

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
 Data File : BF089895.D
 Acq On : 25 Aug 2016 2:00
 Operator : UM/SJ
 Sample : H4576-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Manual Integrations
 APPROVED

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 8/25/2016 6:50:04 PM

Quant Time: Aug 25 15:43:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	407126	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	1620492	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	796961	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1511700	20.00	ng	0.00
75) Chrysene-d12	13.85	240	1209569	20.00	ng	-0.02
86) Perylene-d12	15.33	264	983040	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	3371840	142.03	ng	-0.01
7) Phenol-d6	6.32	99	4168544	143.04	ng	0.00
23) Nitrobenzene-d5	7.23	82	2553382	97.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	1045891	138.09	ng	0.00
44) 2-Fluorobiphenyl	9.04	172	3596520	79.31	ng	-0.01
78) Terphenyl-d14	12.78	244	3216243	60.15	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.18	88	450151	38.31	ng	97
3) Pyridine	2.81	79	1292257	41.94	ng	92
4) n-Nitrosodimethylamine	2.78	42	558481	48.68	ng	# 86
6) Aniline	6.33	93	1303680	33.35	ng	# 17
8) 2-Chlorophenol	6.46	128	1330557	46.87	ng	# 79
9) Benzaldehyde	6.20	77	285381	15.03	ng	85
10) Phenol	6.33	94	1854443	54.29	ng	92
11) bis(2-Chloroethyl)ether	6.41	93	1166168	44.03	ng	100
12) 1,3-Dichlorobenzene	6.60	146	1257152	42.36	ng	98
13) 1,4-Dichlorobenzene	6.68	146	1352950	44.35	ng	99
14) 1,2-Dichlorobenzene	6.84	146	1257240	44.15	ng	98
15) Benzyl Alcohol	6.82	79	1013848	52.46	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1365258	40.28	ng	94
17) 2-Methylphenol	6.94	107	1021504	45.94	ng	96
18) Hexachloroethane	7.19	117	490951	45.12	ng	91
19) n-Nitroso-di-n-propylamine	7.10	70	788523	42.31	ng	# 88
20) 3+4-Methylphenols	7.10	107	1363663	50.02	ng	# 52
22) Acetophenone	7.08	105	1490957	40.07	ng	# 88
24) Nitrobenzene	7.26	77	1238884	42.33	ng	96
25) Isophorone	7.50	82	2348192	44.64	ng	98
26) 2-Nitrophenol	7.58	139	781732	53.54	ng	97
27) 2,4-Dimethylphenol	7.62	122	1157652	43.99	ng	97
28) bis(2-Chloroethoxy)methane	7.72	93	1544002	47.44	ng	# 95
29) 2,4-Dichlorophenol	7.82	162	1077820	48.81	ng	95
30) 1,2,4-Trichlorobenzene	7.90	180	1043305	42.71	ng	98
31) Naphthalene	7.98	128	3238426	42.76	ng	98
32) Benzoic acid	7.70	122	164025	8.00	ng	95
33) 4-Chloroaniline	8.03	127	684264	20.84	ng	98
34) Hexachlorobutadiene	8.10	225	533674	41.73	ng	100
35) Caprolactam	8.40	113	347068m	51.61	ng	
36) 4-Chloro-3-methylphenol	8.52	107	1171904	49.00	ng	99
37) 2-Methylnaphthalene	8.67	142	2457721	50.16	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	771932	29.91	ng	97
40) Hexachlorocyclopentadiene	8.83	237	949223	105.94	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	710514	43.76	nq	99
43) 2,4,5-Trichlorophenol	8.99	196	758315	46.96	nq	99
45) 1,1'-Biphenyl	9.14	154	2569050	41.66	nq	94
46) 2-Chloronaphthalene	9.15	162	2038057	41.80	nq	99
47) 2-Nitroaniline	9.26	65	752052	54.09	nq	# 82
48) Acenaphthylene	9.56	152	3363976	45.92	nq	99
49) Dimethylphthalate	9.45	163	3923984	69.93	nq	97
50) 2,6-Dinitrotoluene	9.51	165	649481	50.13	nq	# 73
51) Acenaphthene	9.75	154	2294314	47.32	nq	99
52) 3-Nitroaniline	9.67	138	535949	37.34	nq	80
53) 2,4-Dinitrophenol	9.77	184	259011	43.02	nq	# 73
54) Dibenzofuran	9.92	168	3202999	52.60	nq	# 89
55) 4-Nitrophenol	9.84	139	1167926	99.69	nq	94
56) 2,4-Dinitrotoluene	9.91	165	792319	47.13	nq	91
57) Fluorene	10.25	166	2173908	44.79	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.03	232	605444	51.52	nq	98
59) Diethylphthalate	10.15	149	2521394	44.23	nq	98
60) 4-Chlorophenyl-phenylether	10.25	204	915853	41.37	nq	95
61) 4-Nitroaniline	10.28	138	738608	54.89	nq	90
62) Azobenzene	10.41	77	2570044	47.95	nq	95
64) 4,6-Dinitro-2-methylphenol	10.31	198	357889	41.20	nq	# 79
65) n-Nitrosodiphenylamine	10.38	169	2260034	47.55	nq	99
66) 4-Bromophenyl-phenylether	10.74	248	688533	43.44	nq	# 83
67) Hexachlorobenzene	10.80	284	708070	39.16	nq	# 82
68) Atrazine	10.90	200	672821	46.22	nq	96
69) Pentachlorophenol	10.99	266	759421	74.10	nq	98
70) Phenanthrene	11.21	178	3337910	43.72	nq	96
71) Anthracene	11.26	178	3445672	44.40	nq	99
72) Carbazole	11.42	167	3086439	44.34	nq	98
73) Di-n-butylphthalate	11.77	149	4174995	47.94	nq	# 98
74) Fluoranthene	12.39	202	3121457	42.98	nq	93
76) Benzidine	12.51	184	1432367	36.59	nq	97
77) Pyrene	12.62	202	3243340	32.93	nq	96
79) Butylbenzylphthalate	13.27	149	1971191	44.31	nq	99
80) Benzo(a)anthracene	13.84	228	2930567	42.31	nq	98
81) 3,3'-Dichlorobenzidine	13.81	252	760565	33.49	nq	97
82) Chrysene	13.87	228	2469785	41.59	nq	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	2464929	40.22	nq	# 98
84) Di-n-octyl phthalate	14.54	149	4249904	52.19	nq	95
85) Indeno(1,2,3-cd)pyrene	16.61	276	2469589	32.59	nq	99
87) Benzo(b)fluoranthene	14.94	252	2384289m	44.09	nq	
88) Benzo(k)fluoranthene	14.97	252	2552510m	52.02	nq	
89) Benzo(a)pyrene	15.27	252	2205715	43.09	nq	98
90) Dibenzo(a,h)anthracene	16.63	278	2066617	37.20	nq	95
91) Benzo(g,h,i)perylene	16.99	276	2103830	35.96	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

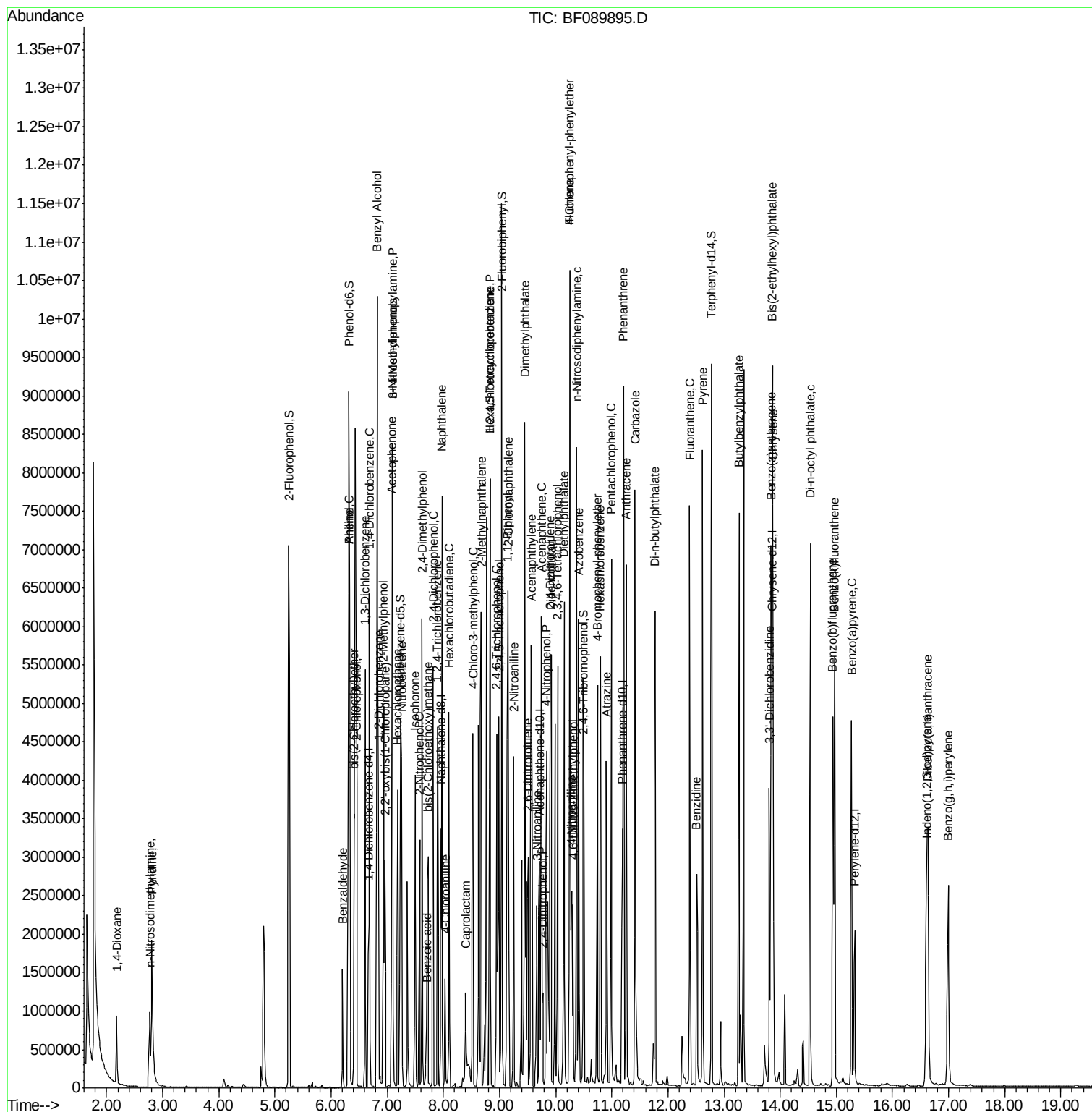
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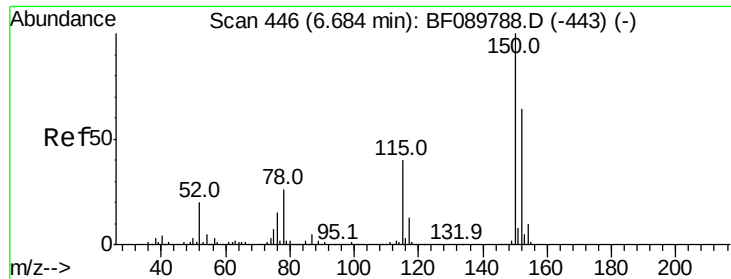
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#1

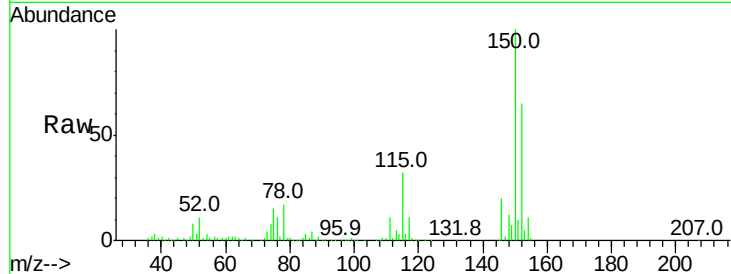
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

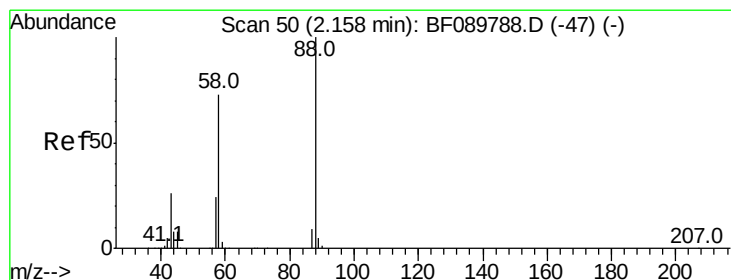
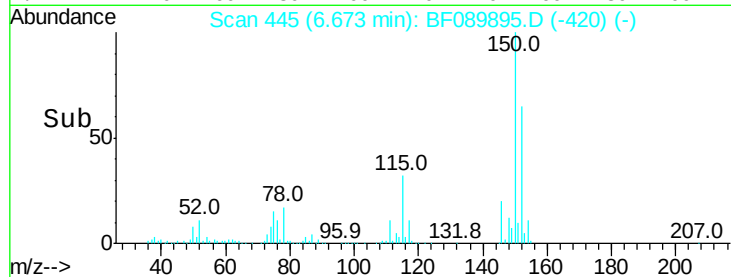
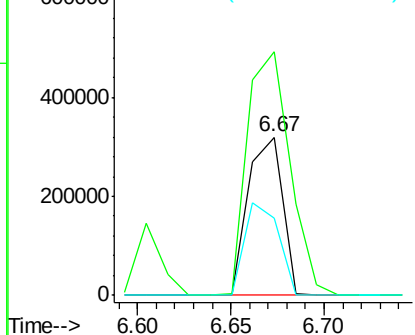
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.3	187.9
115	49.1	40.9	61.3

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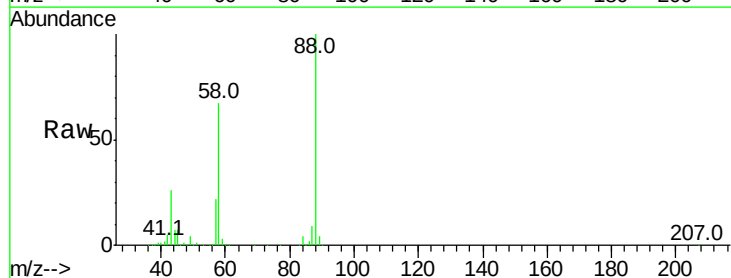
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



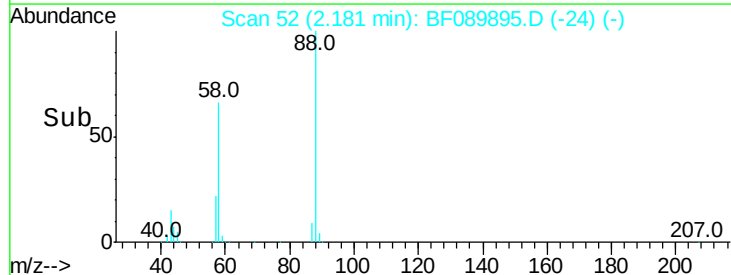
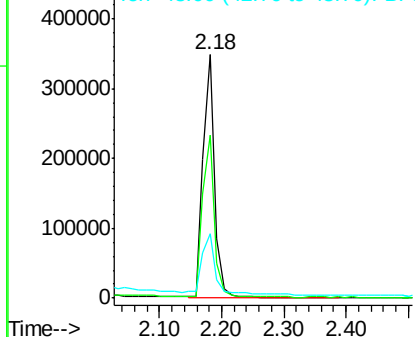
#2

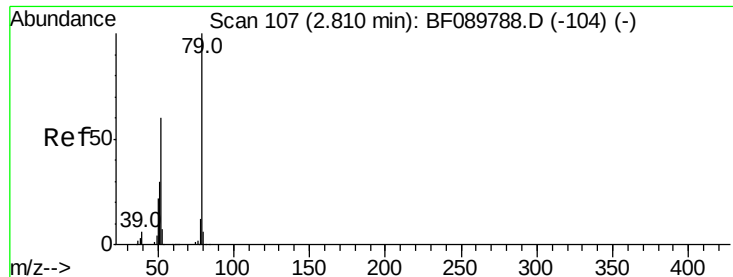
1,4-Dioxane
Concen: 38.31 ng
RT: 2.18 min Scan# 52
Delta R.T. 0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.3	57.0	85.4
43	27.6	21.8	32.8



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 41.94 ng

RT: 2.81 min Scan# 107

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion: 79 Resp: 1292257

Ion Ratio Lower Upper

79 100

52 59.3 53.6 80.4

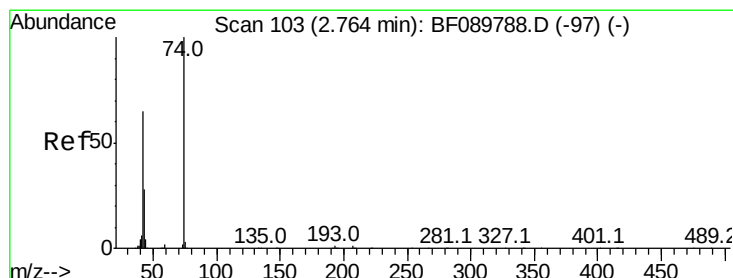
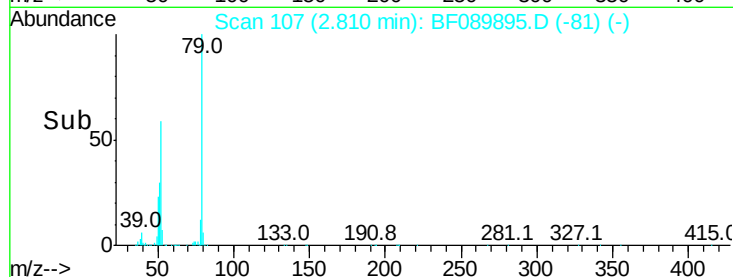
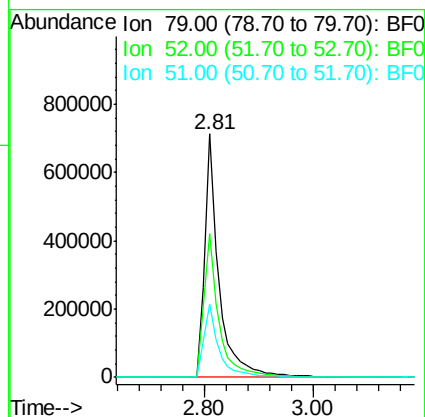
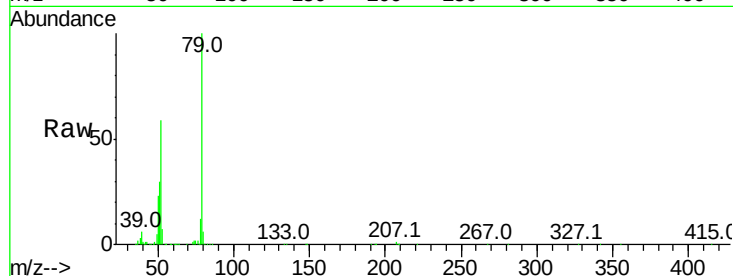
51 30.0 26.6 39.8

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#4

n-Nitrosodimethylamine

Concen: 48.68 ng

RT: 2.78 min Scan# 104

Delta R.T. 0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

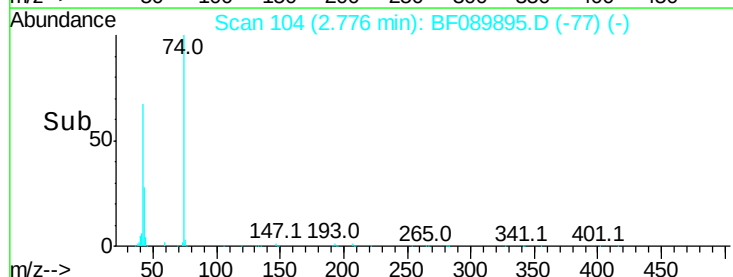
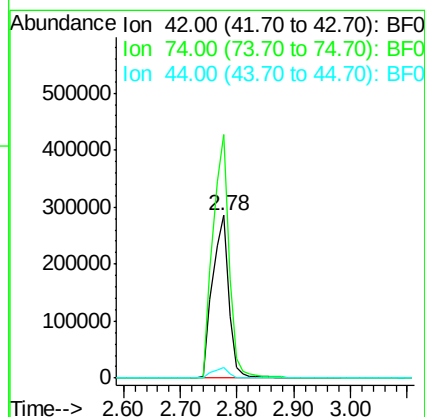
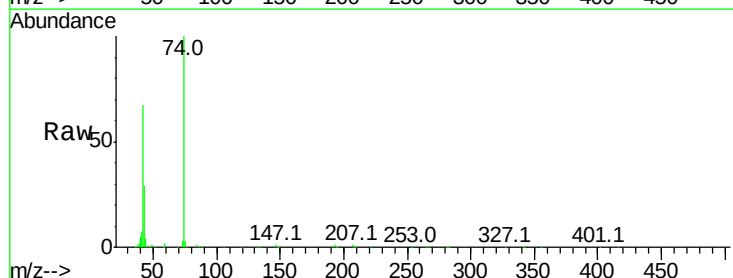
Tgt Ion: 42 Resp: 558481

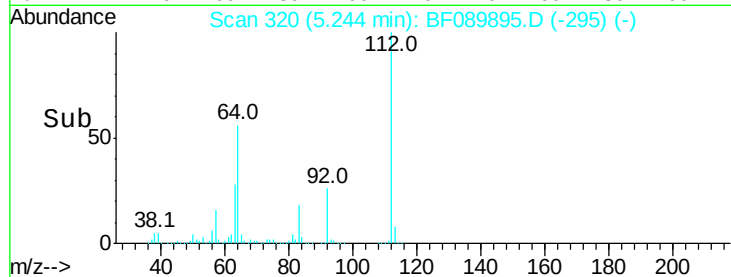
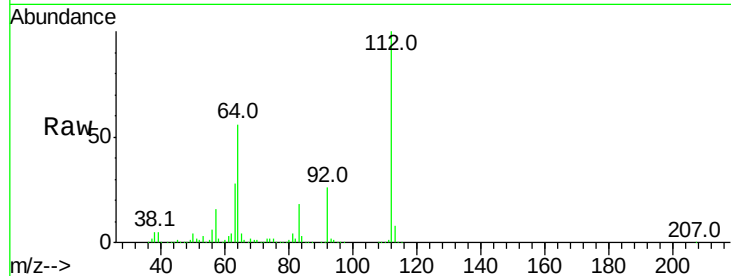
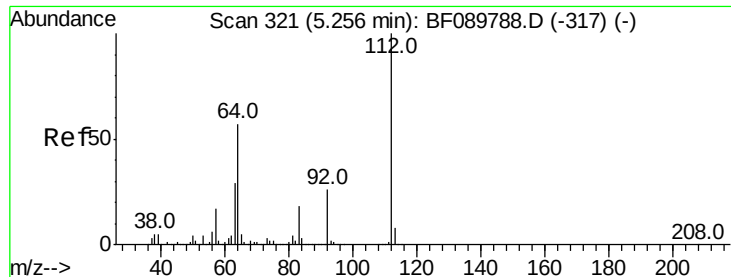
Ion Ratio Lower Upper

42 100

74 149.9 106.2 159.2

44 6.5 6.9 10.3#





#5

2-Fluorophenol

Concen: 142.03 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:112 Resp: 3371840

Ion Ratio Lower Upper

112 100

64 56.0 45.0 67.4

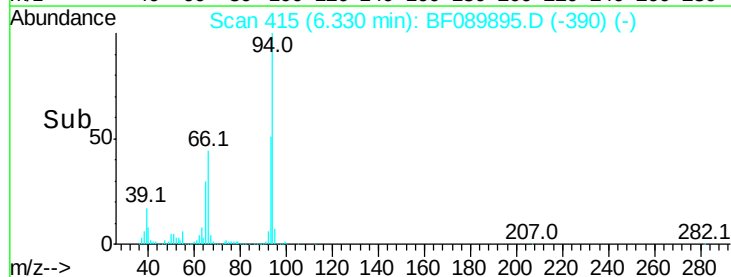
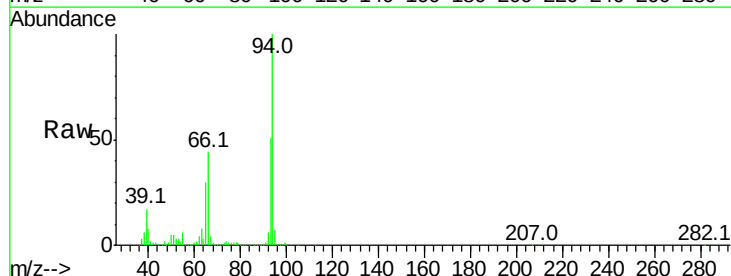
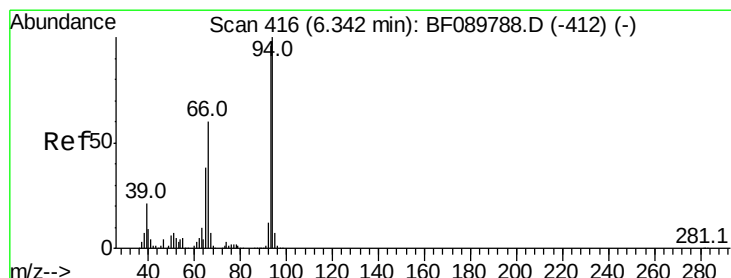
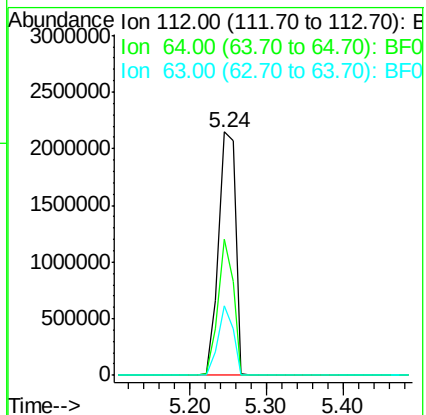
63 28.4 23.1 34.7

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#6

Aniline

Concen: 33.35 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

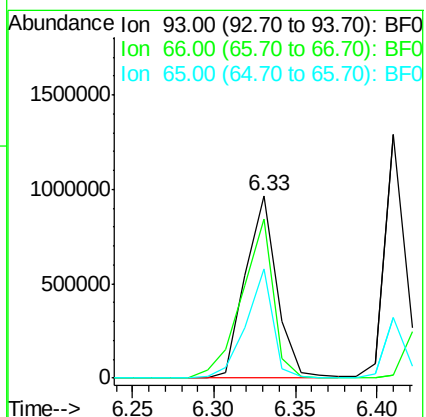
Tgt Ion: 93 Resp: 1303680

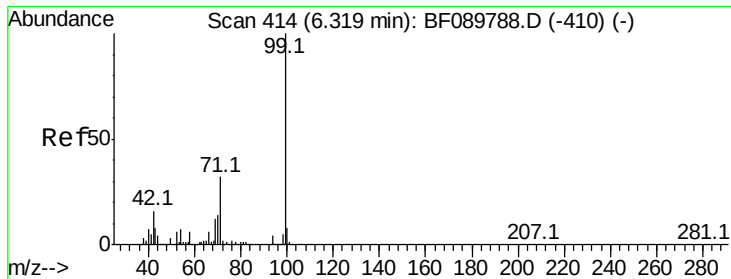
Ion Ratio Lower Upper

93 100

66 87.2 30.6 46.0#

65 59.6 15.4 23.2#





#7

Phenol-d6

Concen: 143.04 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

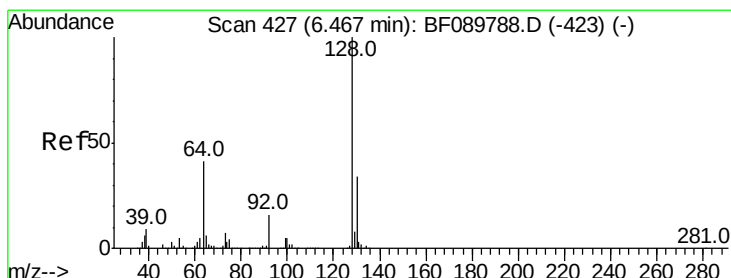
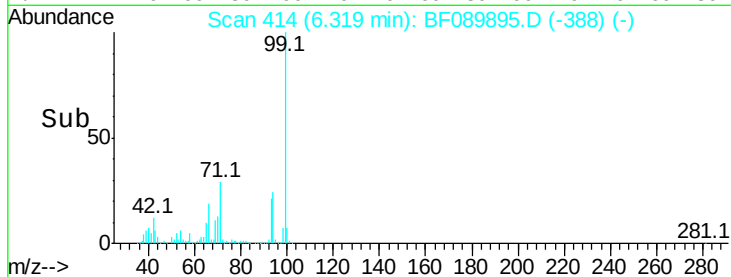
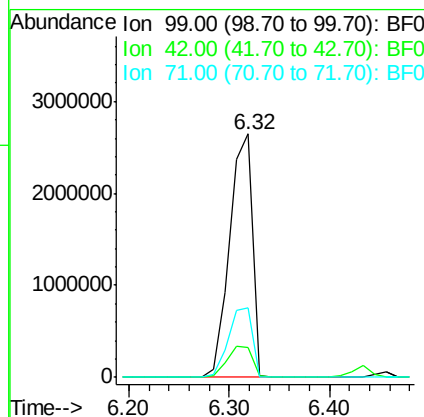
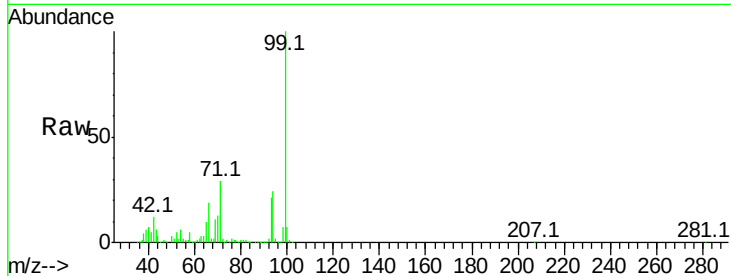
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
99	100		
42	12.1	12.2	18.4#
71	28.5	23.8	35.8

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#8

2-Chlorophenol

Concen: 46.87 ng

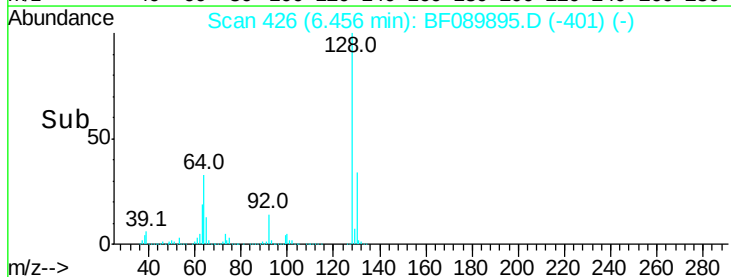
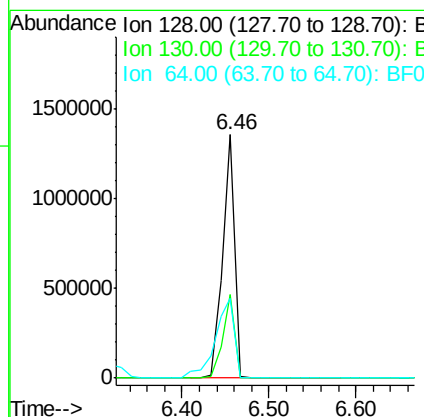
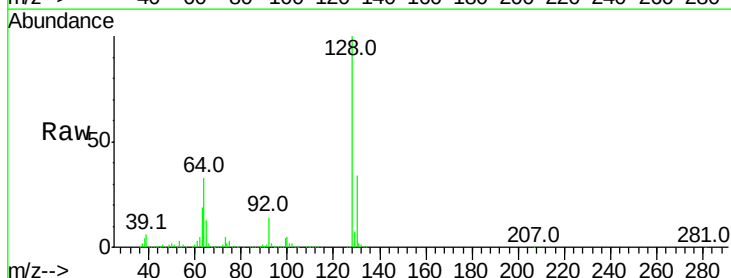
RT: 6.46 min Scan# 426

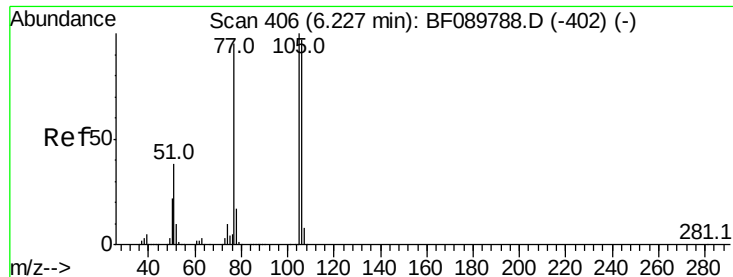
Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
128	100		
130	34.4	12.0	52.0
64	32.6	35.1	75.1#





#9

Benzaldehyde

Concen: 15.03 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

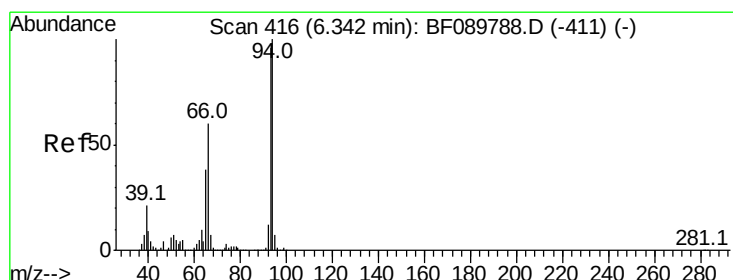
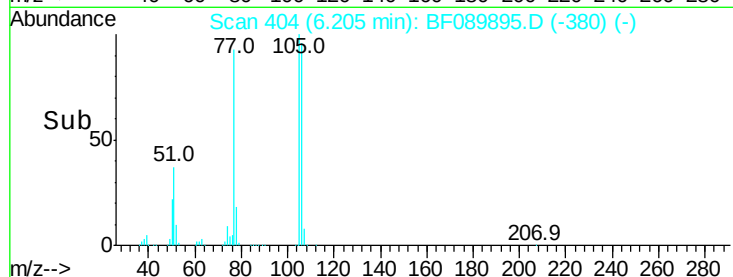
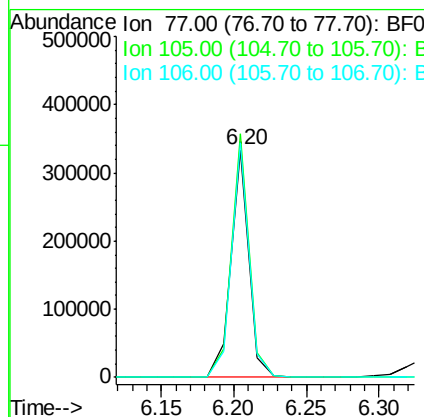
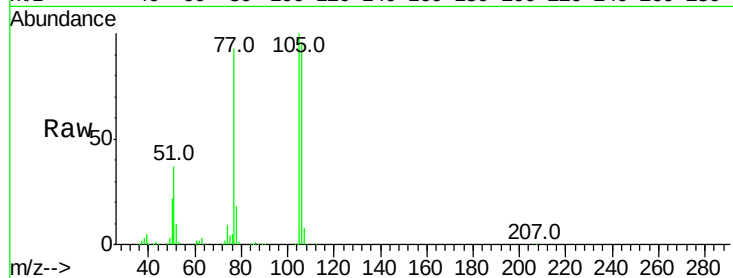
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:	77	Resp:	285381
Ion Ratio	Lower	Upper	
77	100		
105	107.2	73.3	113.3
106	103.1	68.6	108.6

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#10

Phenol

Concen: 54.29 ng

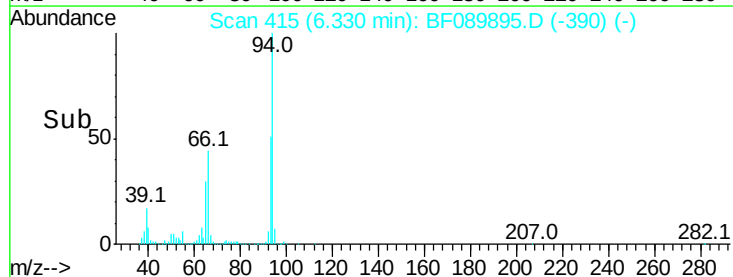
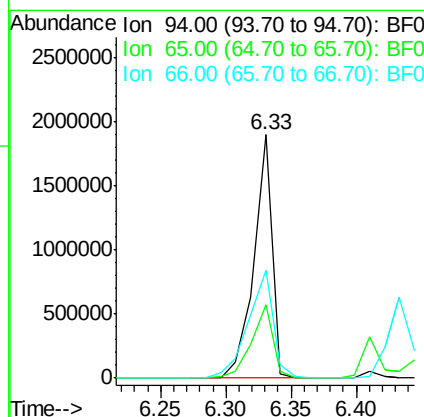
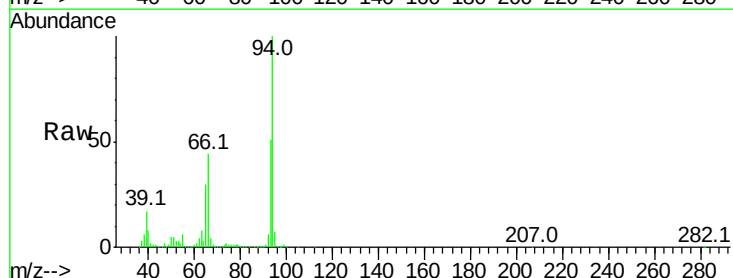
RT: 6.33 min Scan# 415

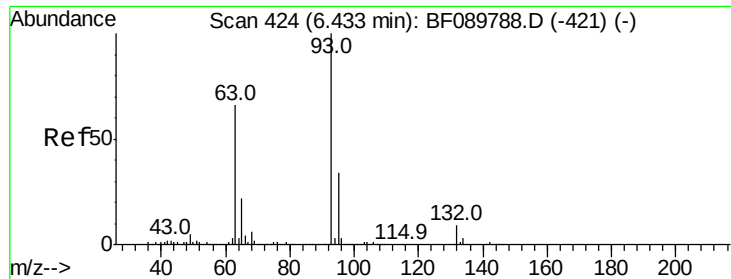
Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion:	94	Resp:	1854443
Ion Ratio	Lower	Upper	
94	100		
65	30.3	14.0	54.0
66	44.3	31.2	71.2





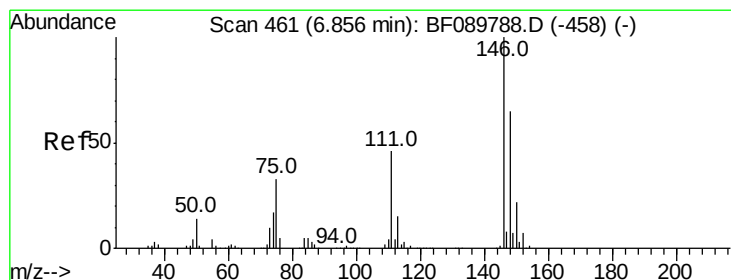
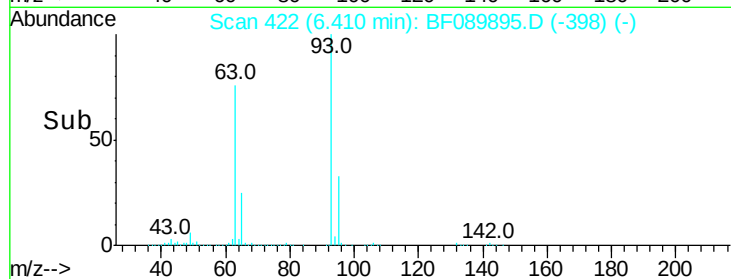
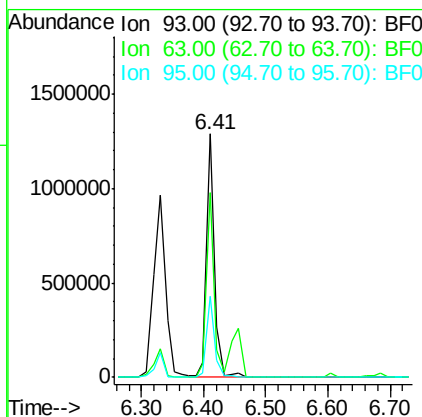
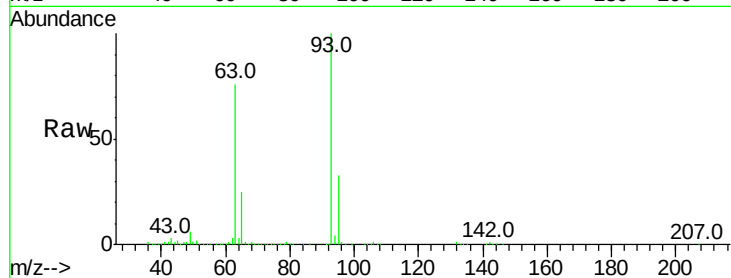
#11
bis(2-Chloroethyl)ether
Concen: 44.03 ng
RT: 6.41 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion: 93 Resp: 1166168
Ion Ratio Lower Upper
93 100
63 75.8 55.8 95.8
95 33.3 13.0 53.0

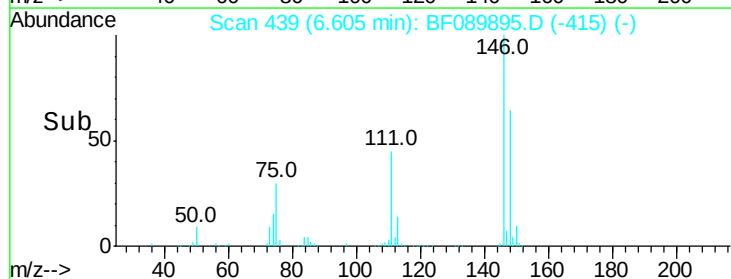
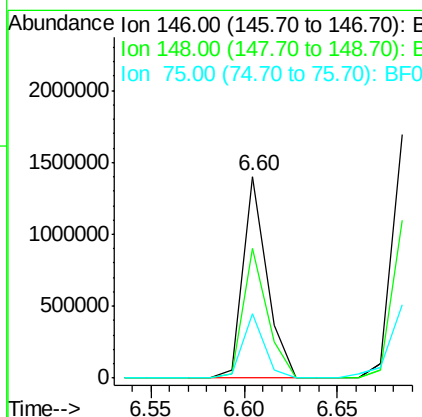
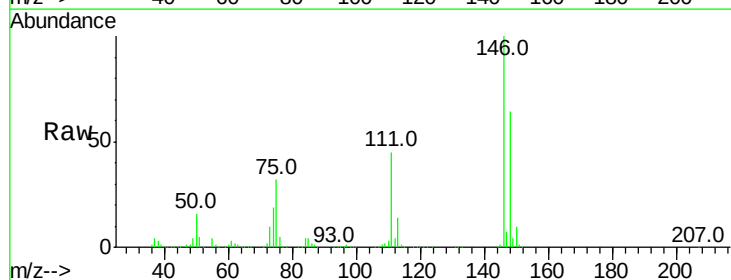
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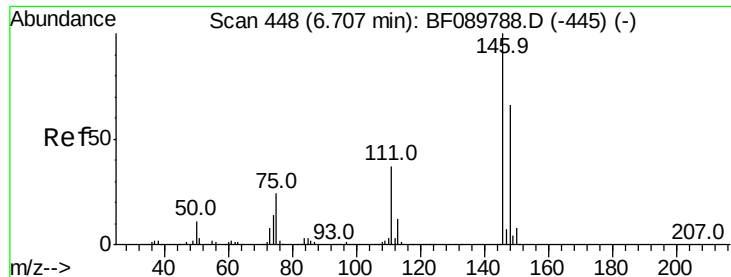
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#12
1,3-Dichlorobenzene
Concen: 42.36 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion: 146 Resp: 1257152
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 31.9 27.0 40.6





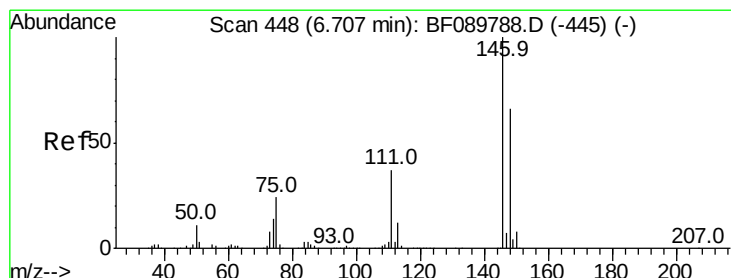
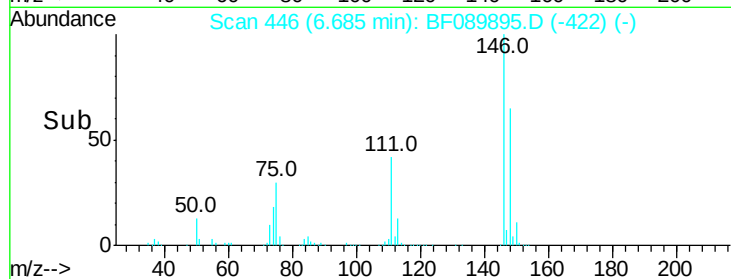
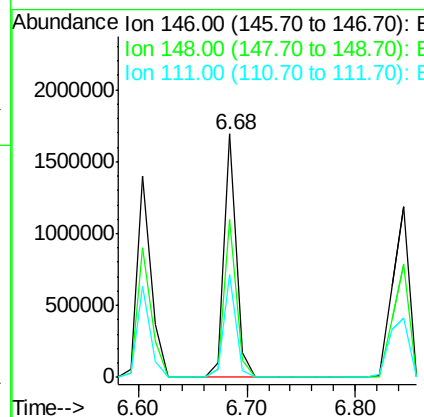
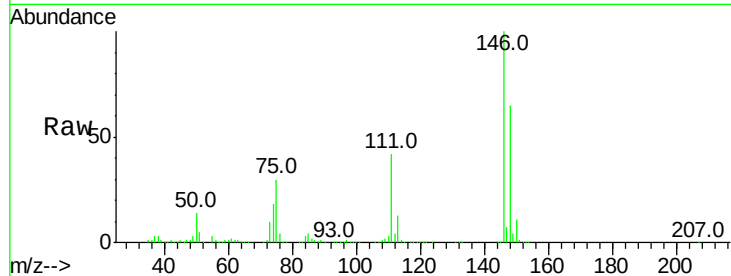
#13
 1,4-Dichlorobenzene
 Concen: 44.35 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.6
111	42.0	34.6	52.0

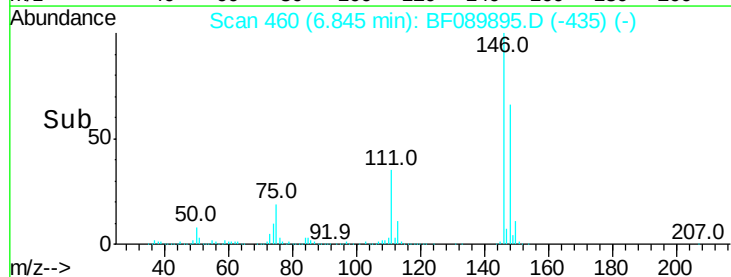
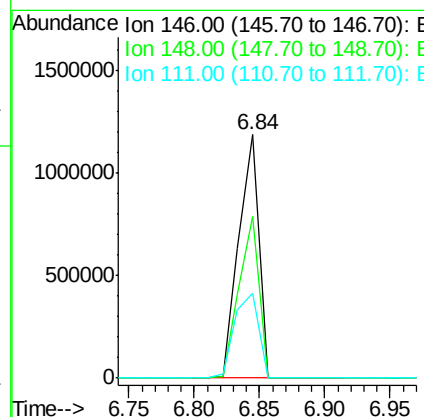
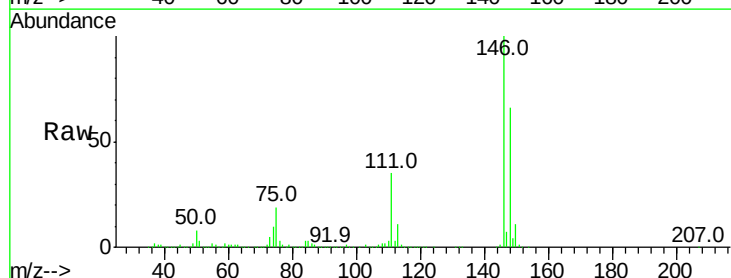
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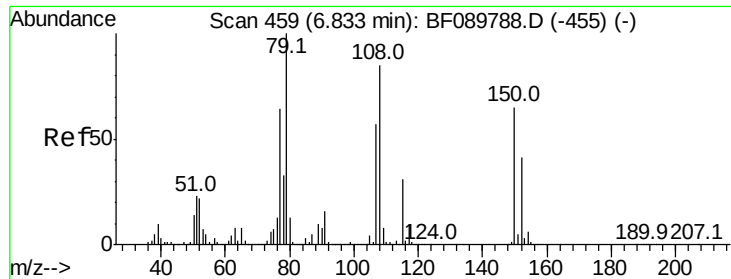
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#14
 1,2-Dichlorobenzene
 Concen: 44.15 ng
 RT: 6.84 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.2	78.2
111	34.9	29.8	44.6





#15

Benzyl Alcohol

Concen: 52.46 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion: 79 Resp: 1013848

Ion Ratio Lower Upper

79 100

108 91.7 62.5 93.7

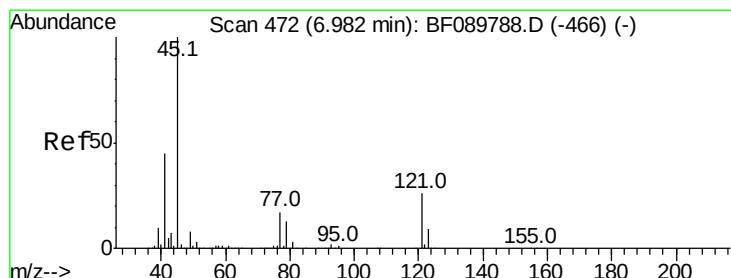
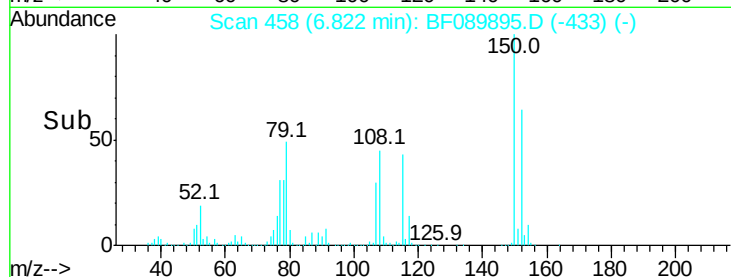
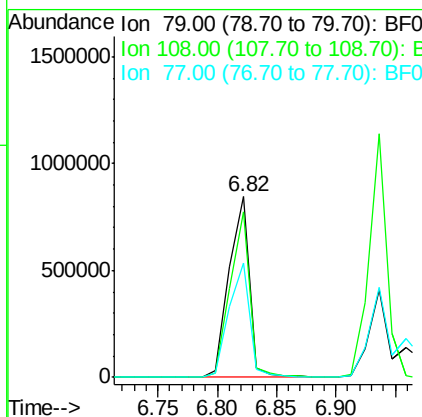
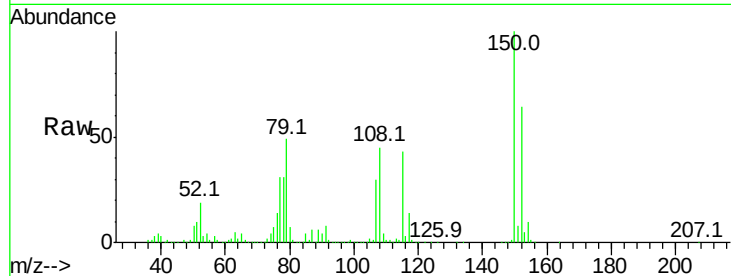
77 63.0 51.5 77.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.28 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

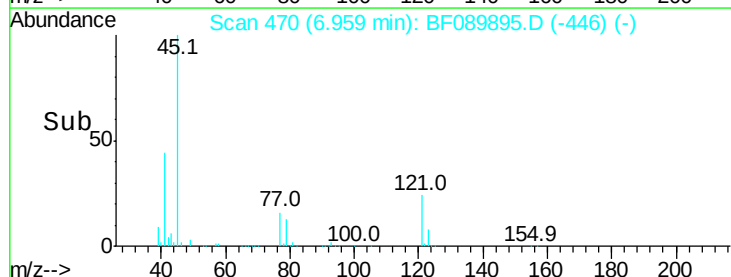
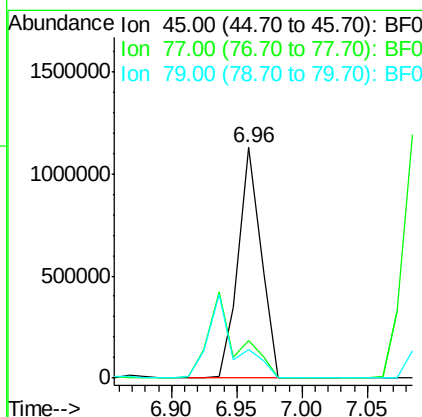
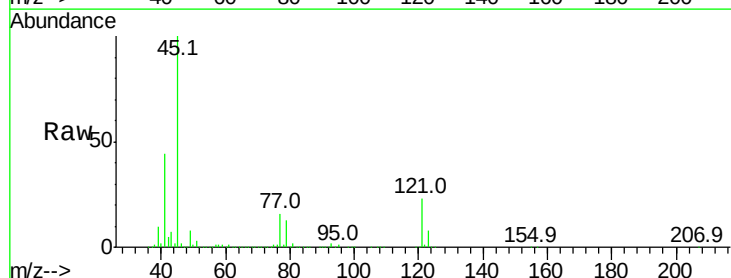
Tgt Ion: 45 Resp: 1365258

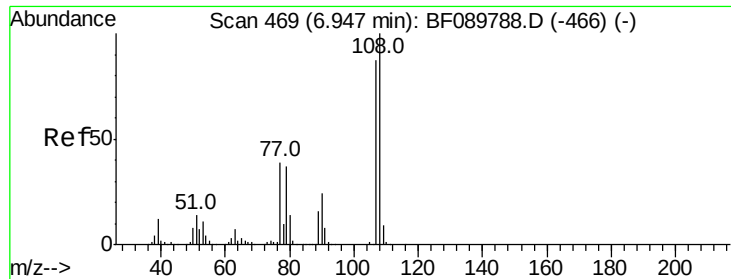
Ion Ratio Lower Upper

45 100

77 16.1 0.0 33.5

79 12.6 0.0 30.7





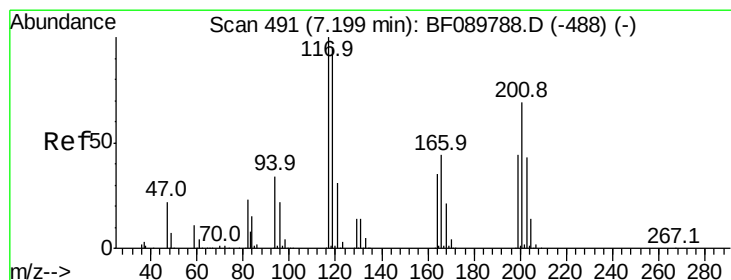
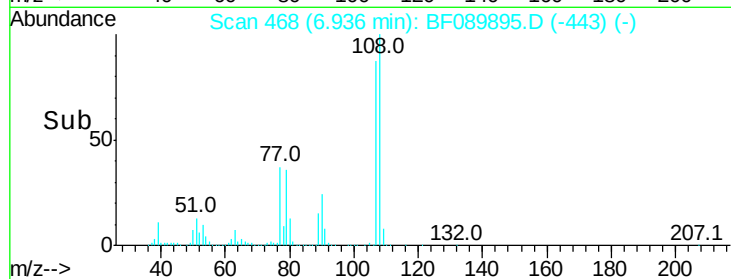
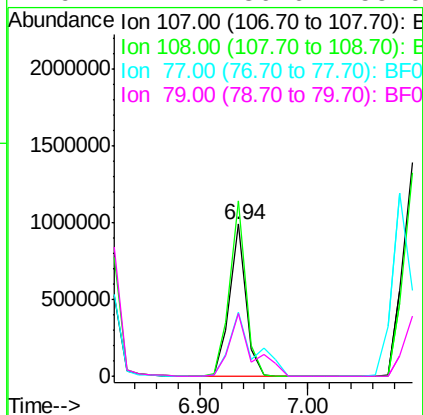
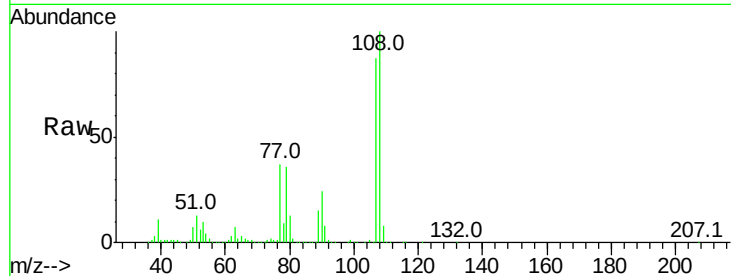
#17
2-Methylphenol
Concen: 45.94 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.2	91.0	136.4
77	42.5	37.4	56.0
79	41.2	36.6	55.0

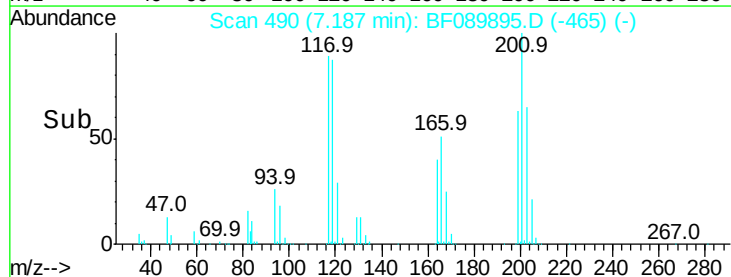
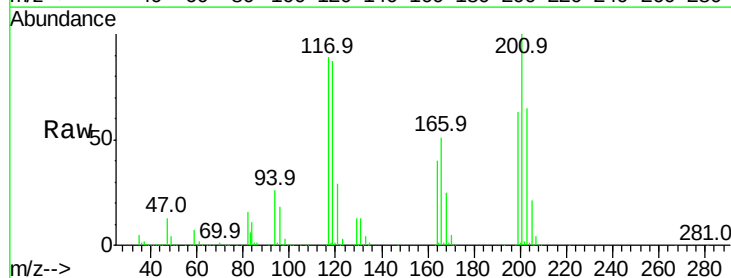
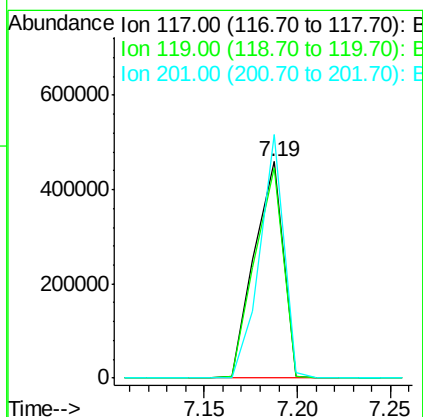
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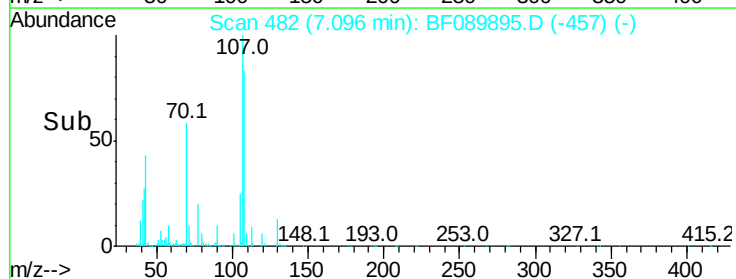
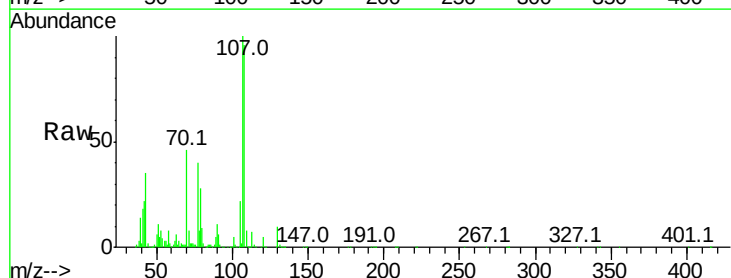
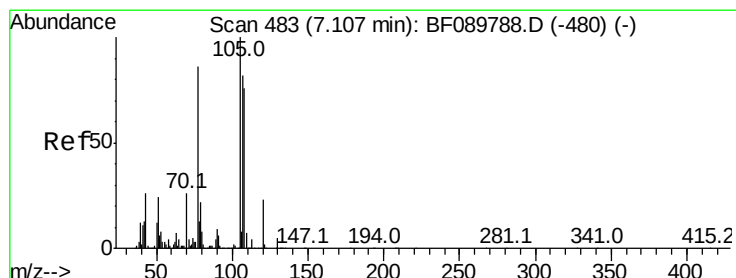
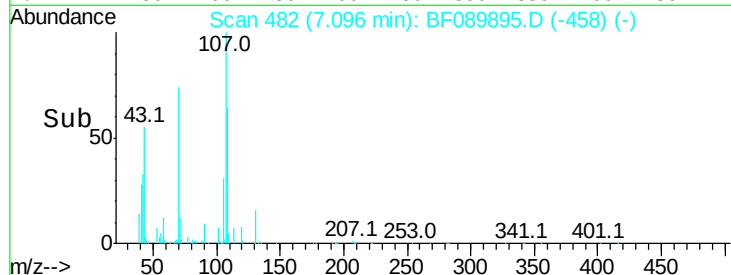
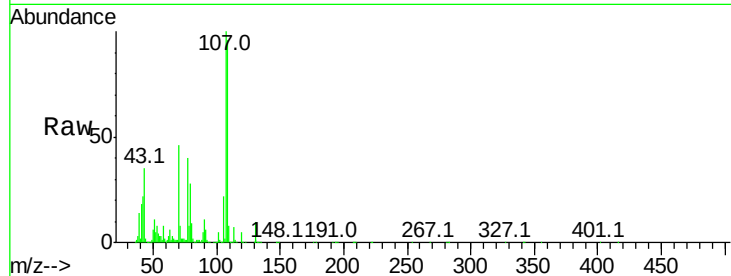
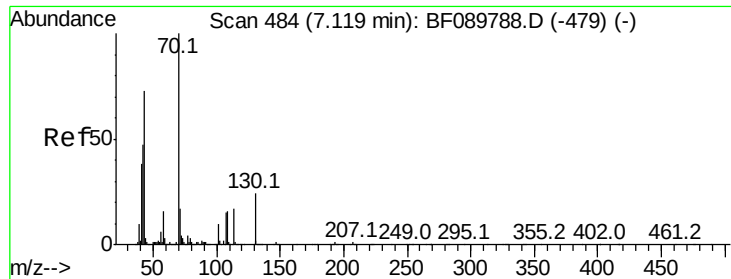
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#18
Hexachloroethane
Concen: 45.12 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.1	115.7
201	112.6	76.9	115.3





#19

n-Nitroso-di-n-propylamine

Concen: 42.31 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089895.D

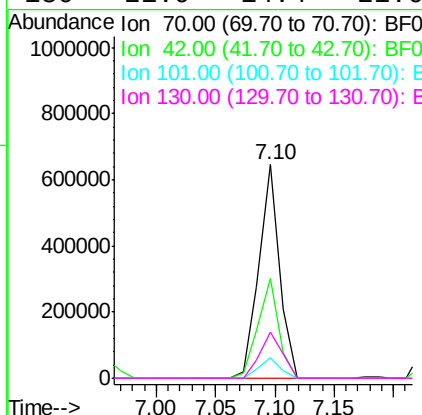
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.0	46.3	69.5
101	9.8	7.0	10.6
130	21.9	14.4	21.6#

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#20

3+4-Methylphenols

Concen: 50.02 ng

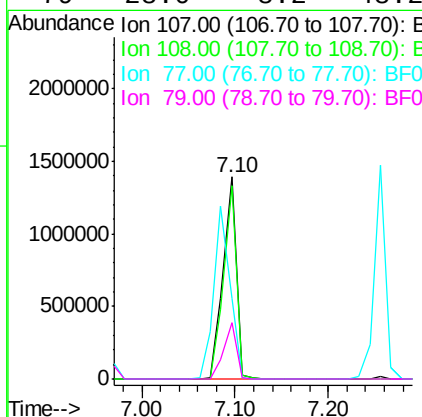
RT: 7.10 min Scan# 482

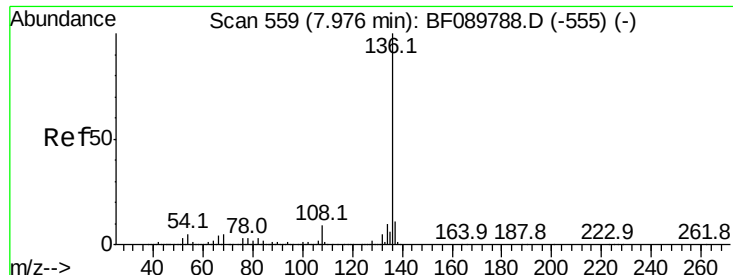
Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.5	68.2	108.2
77	40.2	122.3	162.3#
79	28.0	8.2	48.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

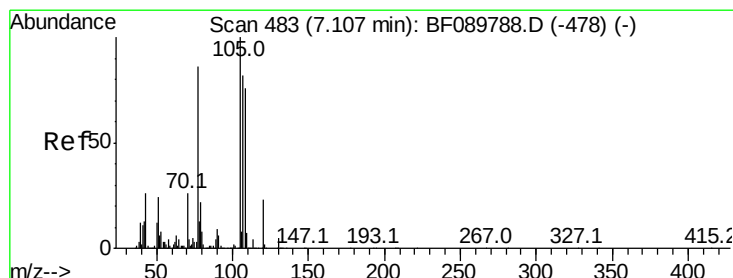
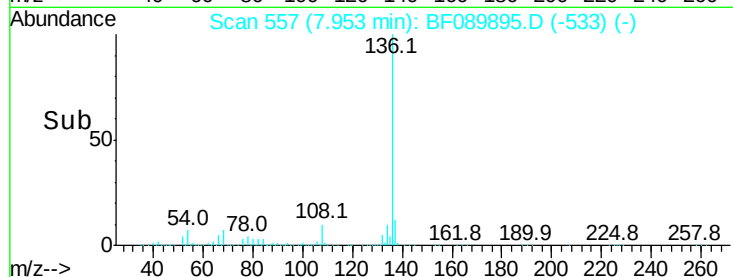
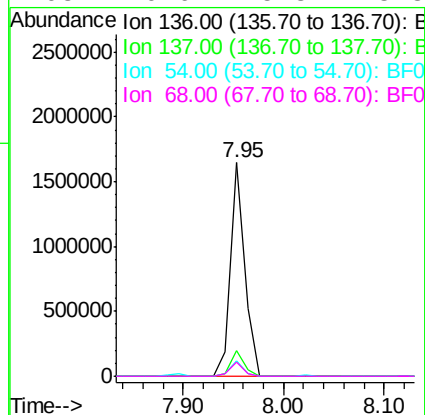
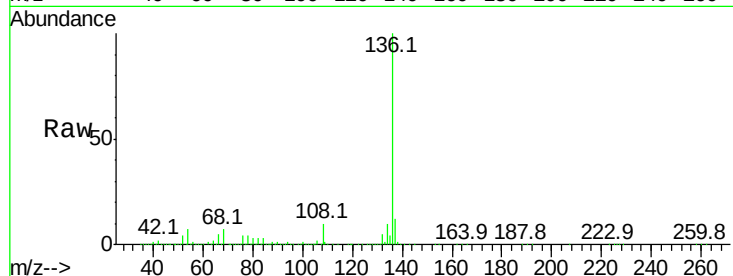
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	7.3	7.2	10.8
68	6.6	5.8	8.8

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#22

Acetophenone

Concen: 40.07 ng

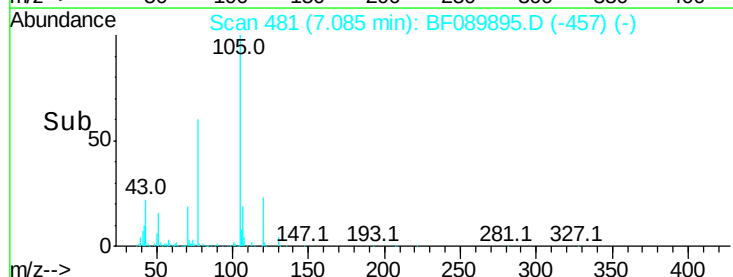
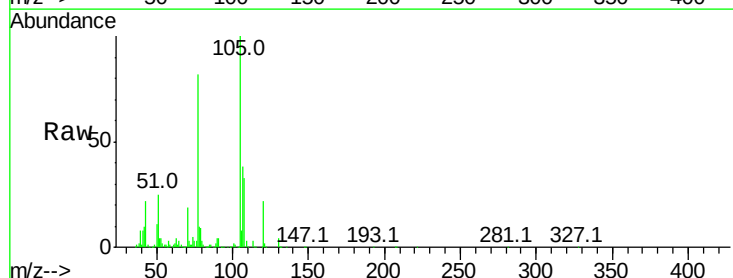
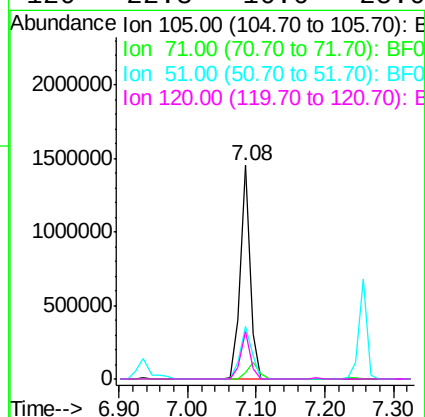
RT: 7.08 min Scan# 481

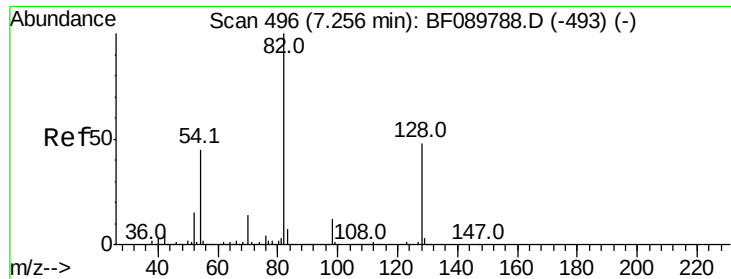
Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
105	100		
71	3.2	1.9	2.9#
51	24.8	28.5	42.7#
120	22.3	16.6	25.0





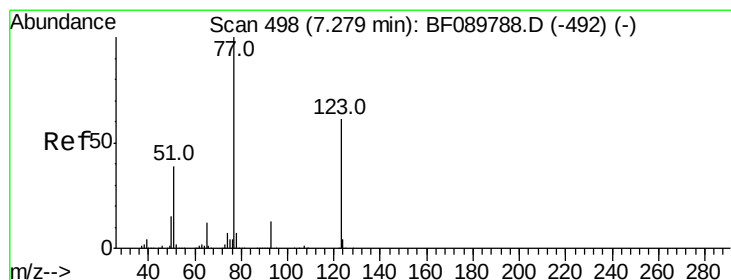
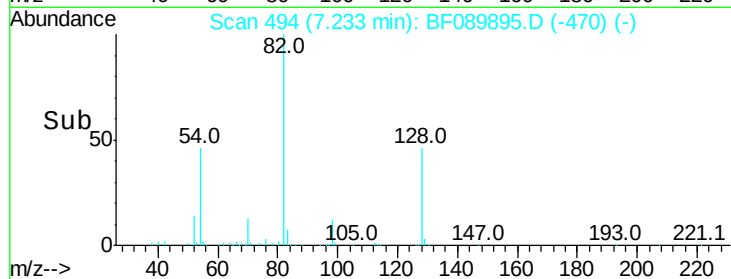
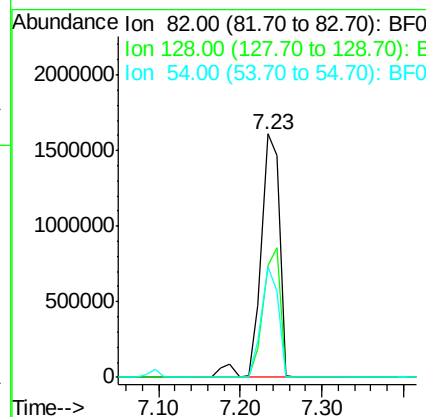
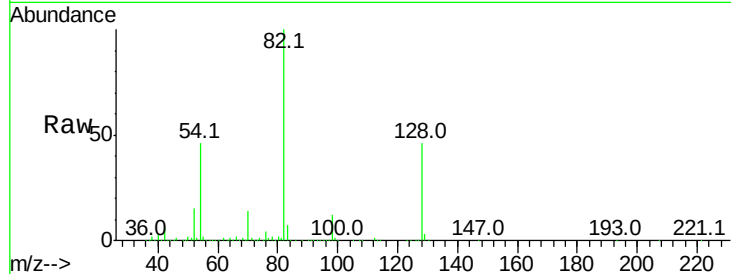
#23
 Nitrobenzene-d5
 Concen: 97.89 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	82	Resp	2553382
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.4	51.6
54	45.5	40.3	60.5

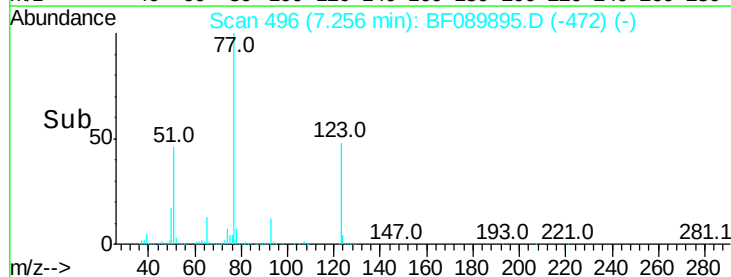
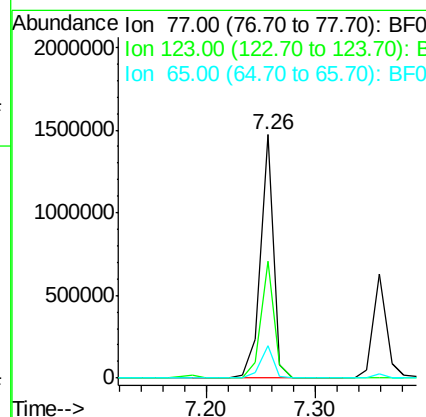
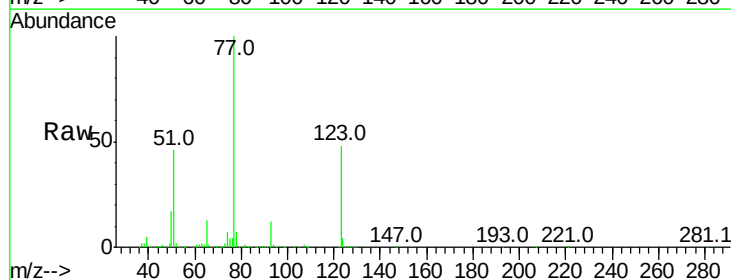
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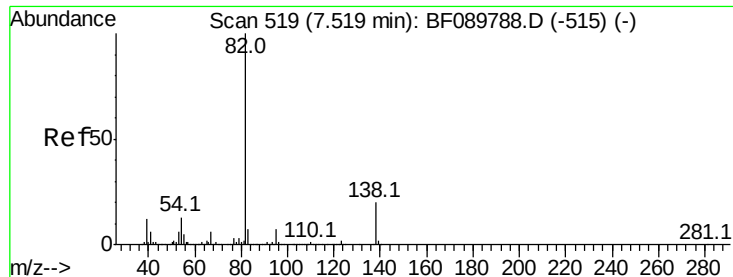
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#24
 Nitrobenzene
 Concen: 42.33 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	77	Resp	1238884
Ion	Ratio	Lower	Upper
77	100		
123	48.2	36.2	54.2
65	13.4	10.6	15.8





#25

Isophorone

Concen: 44.64 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion: 82 Resp: 2348192

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

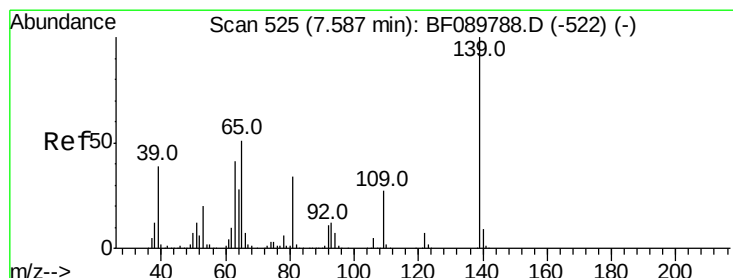
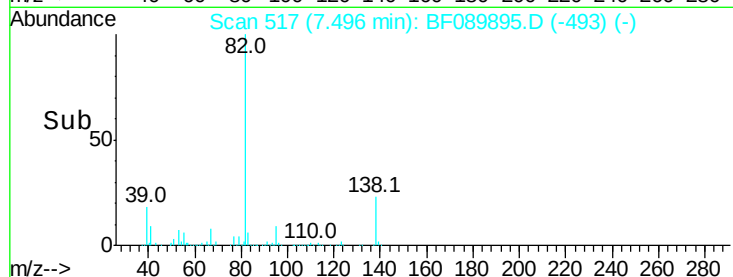
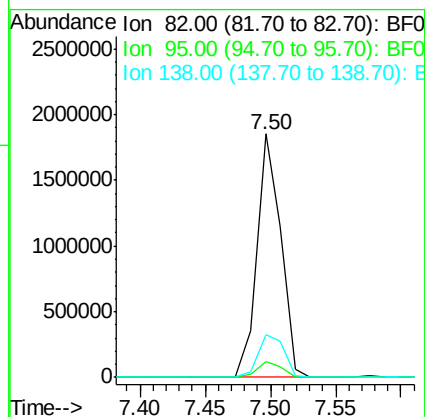
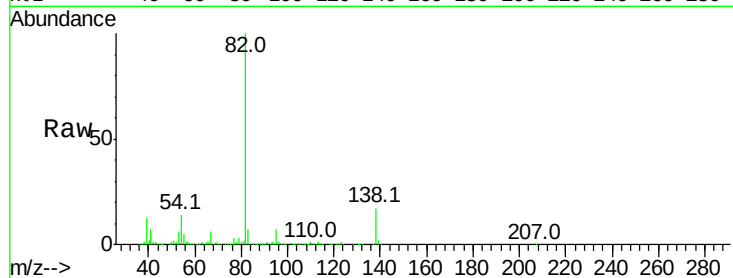
138 17.3 13.0 19.4

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#26

2-Nitrophenol

Concen: 53.54 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

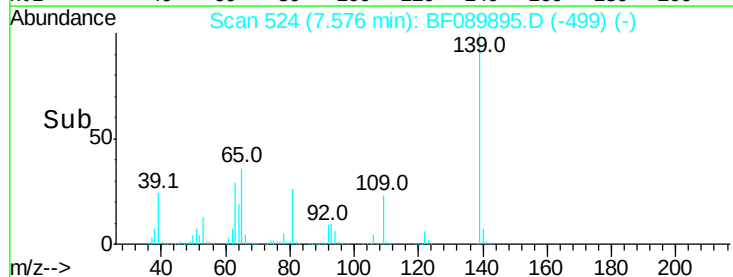
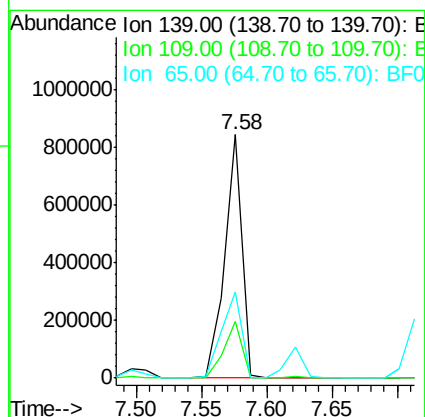
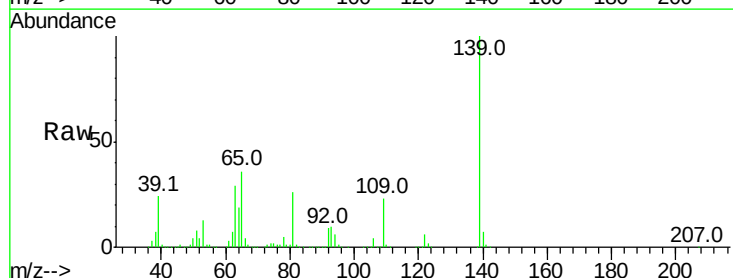
Tgt Ion: 139 Resp: 781732

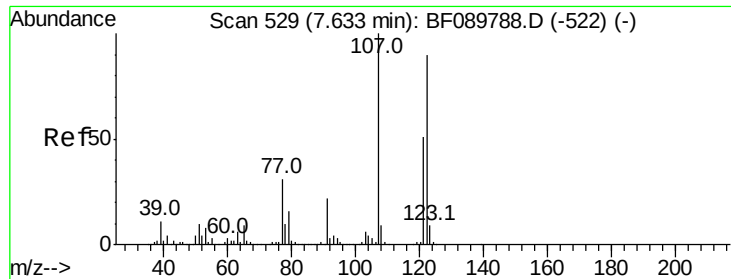
Ion Ratio Lower Upper

139 100

109 23.3 19.5 29.3

65 35.6 26.5 39.7





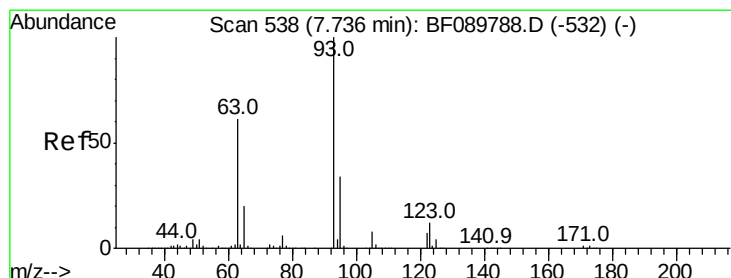
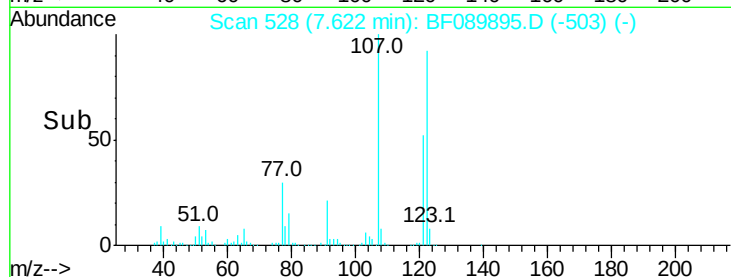
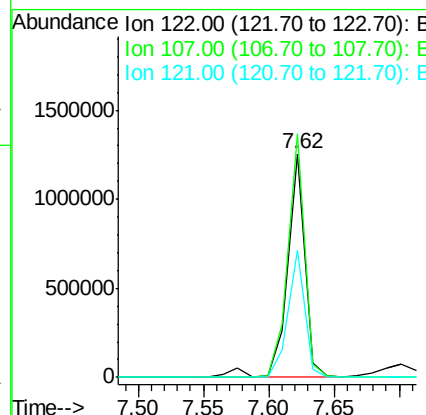
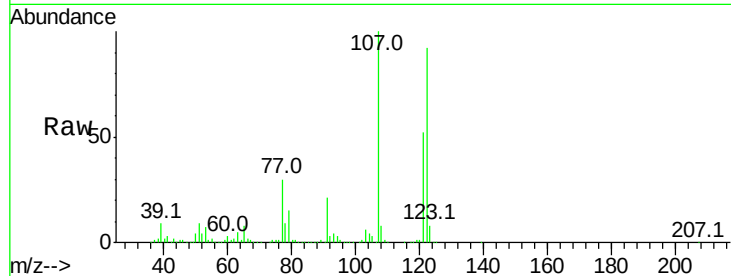
#27
2,4-Dimethylphenol
Concen: 43.99 ng
RT: 7.62 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion:122 Resp: 1157652
Ion Ratio Lower Upper
122 100
107 109.1 84.8 127.2
121 57.0 47.0 70.6

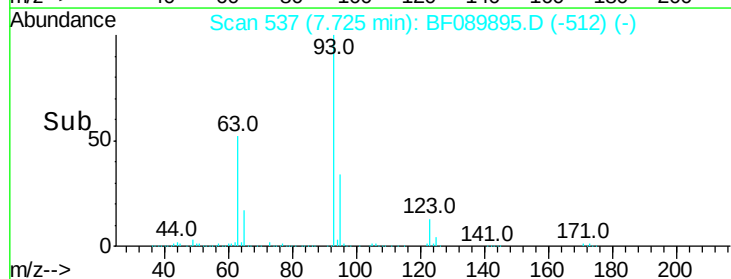
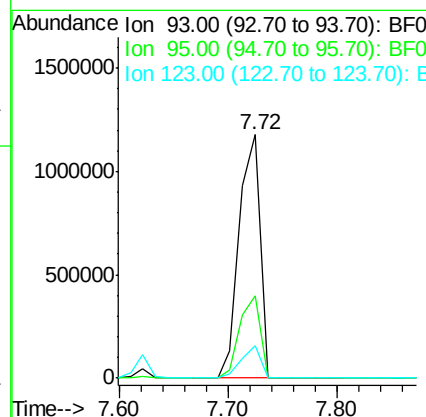
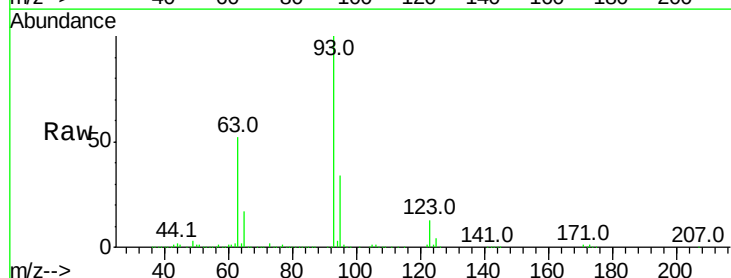
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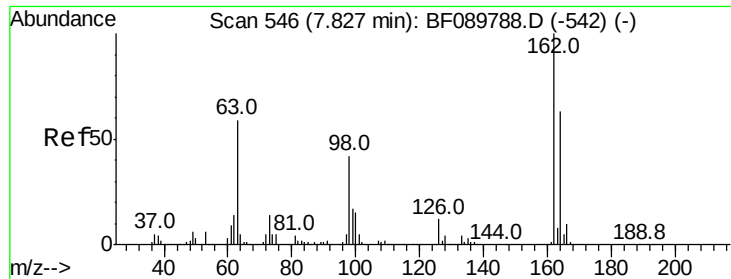
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#28
bis(2-Chloroethoxy)methane
Concen: 47.44 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion: 93 Resp: 1544002
Ion Ratio Lower Upper
93 100
95 34.0 25.5 38.3
123 13.2 8.5 12.7#





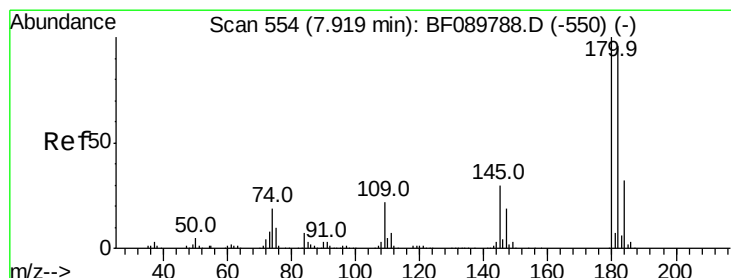
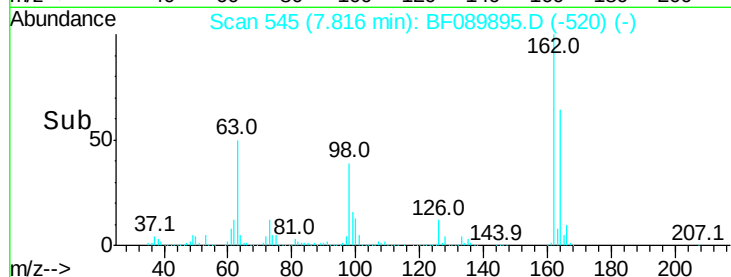
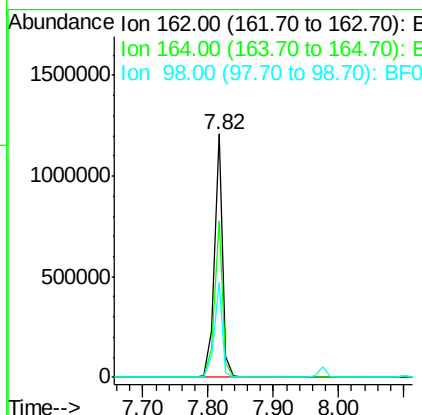
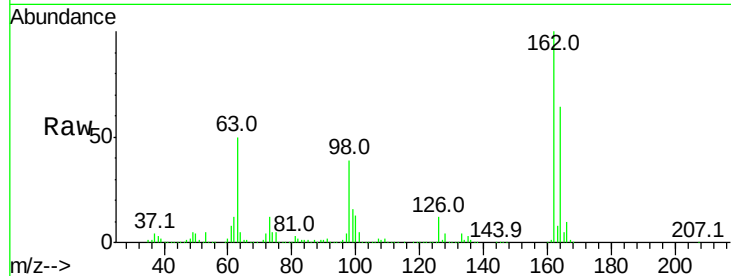
#29
2,4-Dichlorophenol
Concen: 48.81 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion:162 Resp: 1077820
Ion Ratio Lower Upper
162 100
164 64.5 45.5 85.5
98 39.1 12.4 52.4

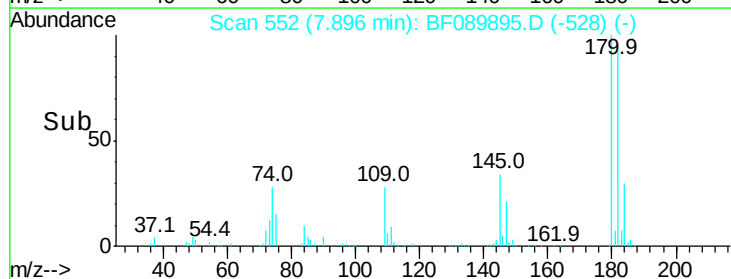
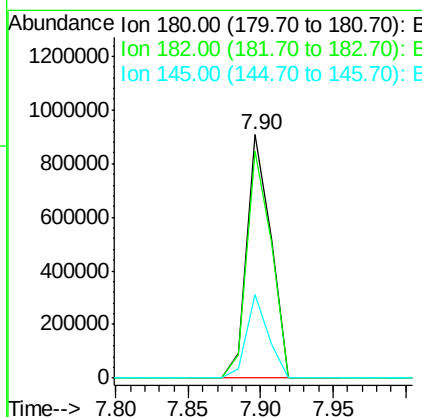
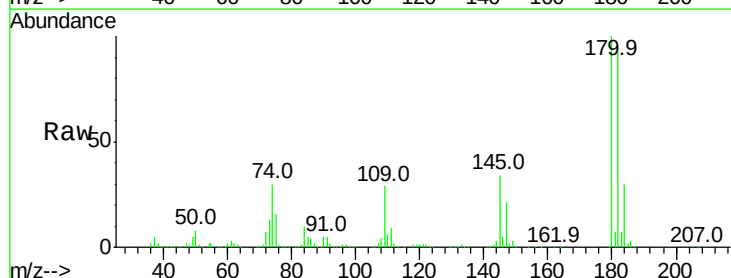
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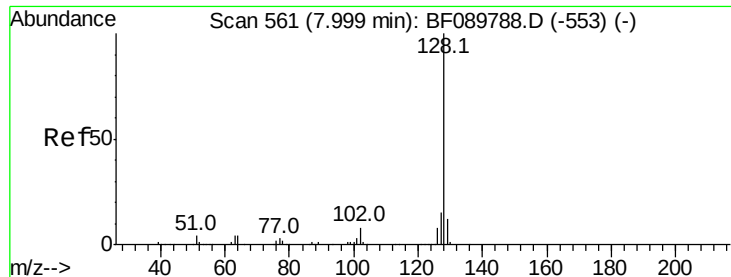
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#30
1,2,4-Trichlorobenzene
Concen: 42.71 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:180 Resp: 1043305
Ion Ratio Lower Upper
180 100
182 93.2 75.5 113.3
145 34.2 28.7 43.1





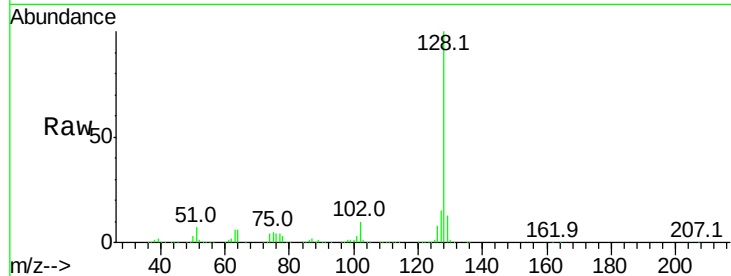
#31
Naphthalene
Concen: 42.76 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

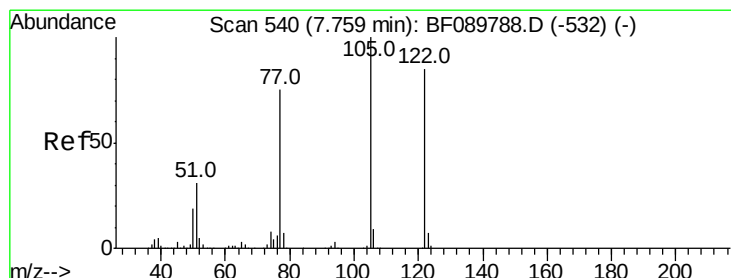
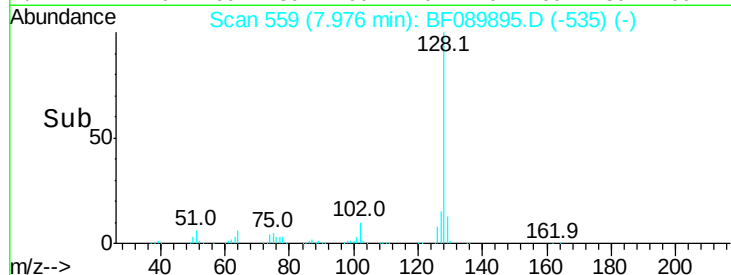
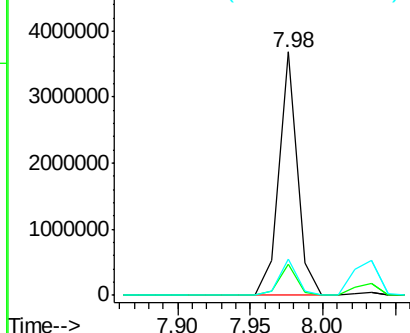
Tot Ion:	128	Resp:	3238426
Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.5	14.3
127	14.7	11.3	16.9

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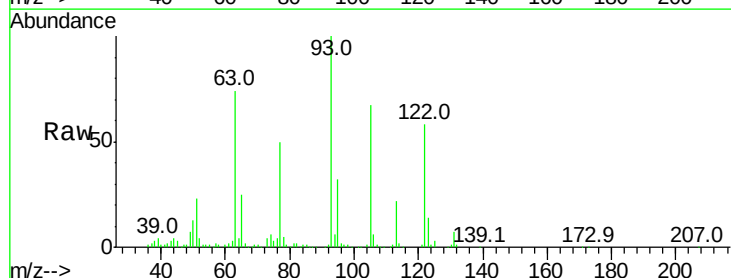


Abundance Ion 128.00 (127.70 to 128.70): E
5000000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

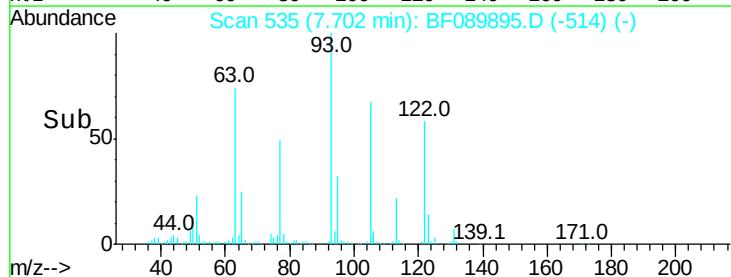
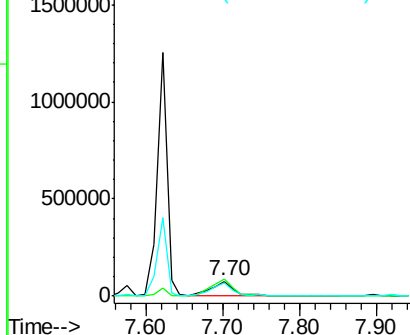


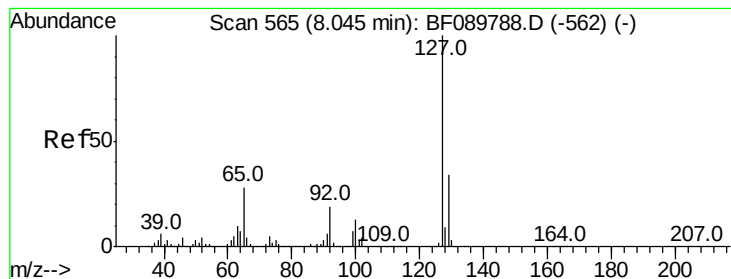
#32
Benzoic acid
Concen: 8.00 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:	122	Resp:	164025
Ion	Ratio	Lower	Upper
122	100		
105	115.1	100.8	140.8
77	87.2	72.1	112.1



Abundance Ion 122.00 (121.70 to 122.70): E
1500000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 20.84 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

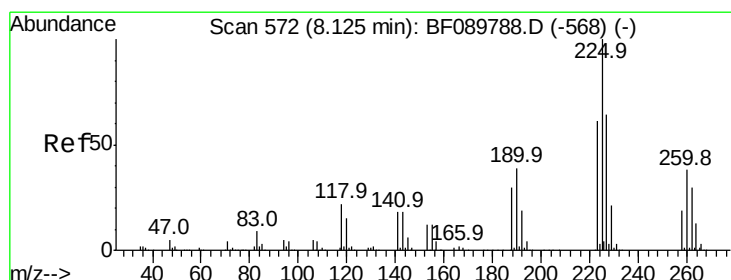
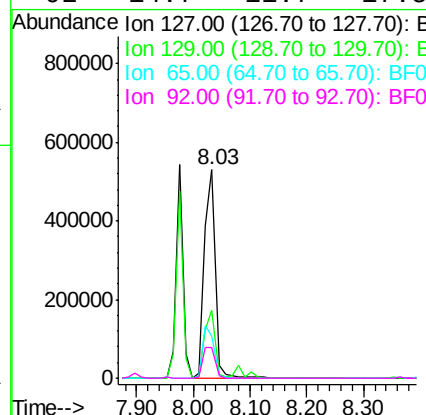
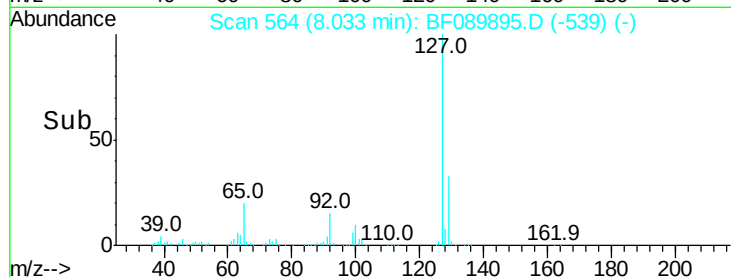
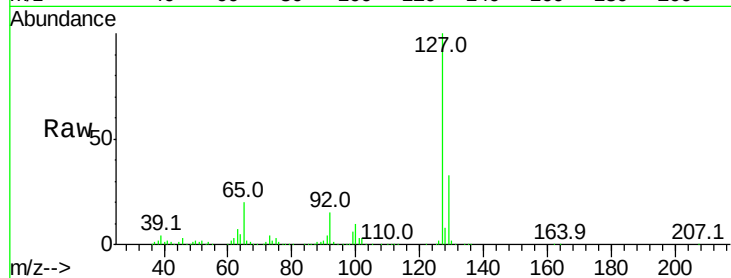
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.7	27.0	40.6	
65	20.0	14.7	22.1	
92	14.7	11.7	17.5	

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#34

Hexachlorobutadiene

Concen: 41.73 ng

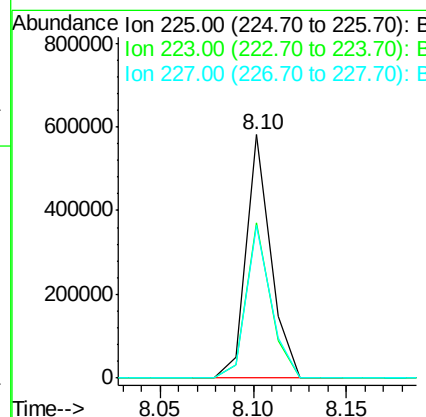
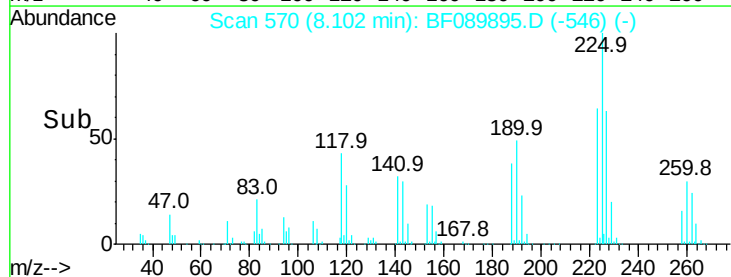
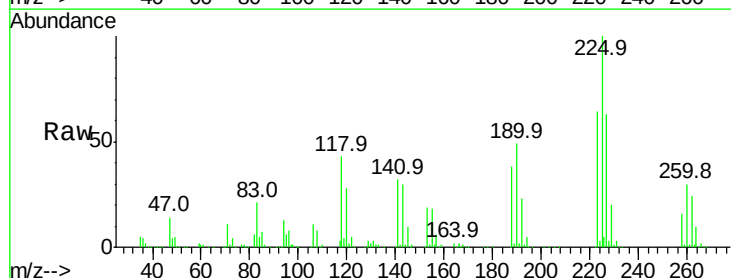
RT: 8.10 min Scan# 570

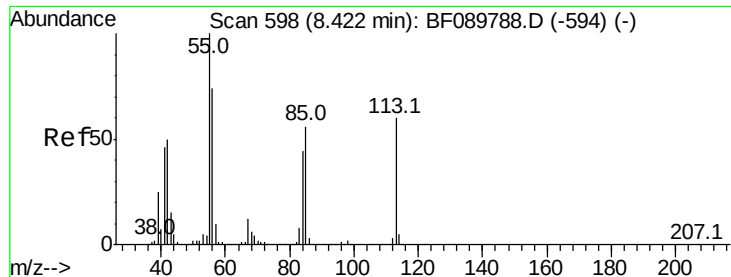
Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	51.0	76.6	
227	62.6	49.8	74.6	





#35

Caprolactam

Concen: 51.61 ng/ml

RT: 8.40 min Scan# 596

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

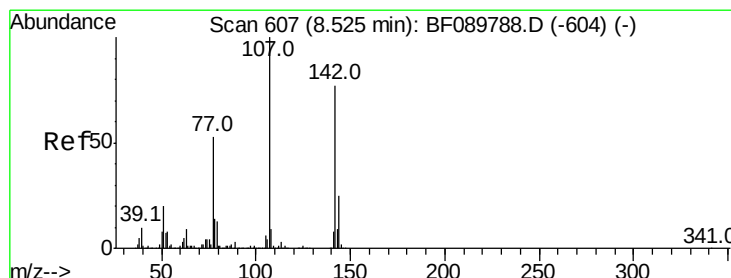
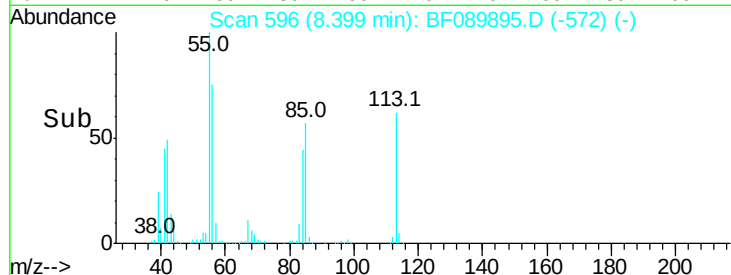
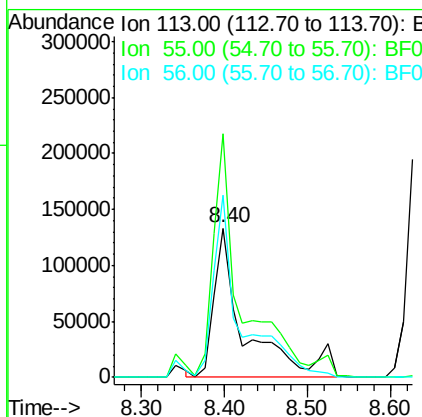
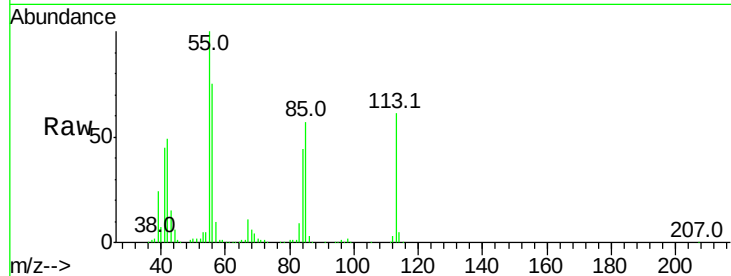
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:	113	Resp:	347068
Ion Ratio	Lower	Upper	
113	100		
55	162.8	135.9	175.9
56	121.6	93.9	133.9

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#36

4-Chloro-3-methylphenol

Concen: 49.00 ng/ml

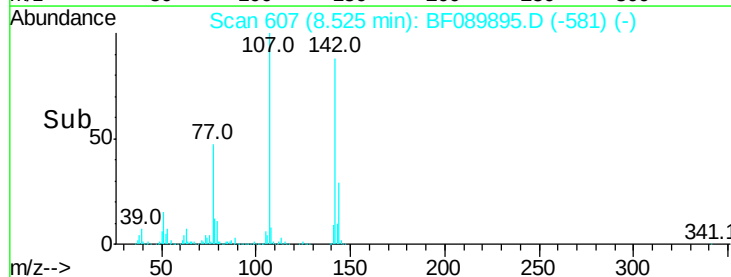
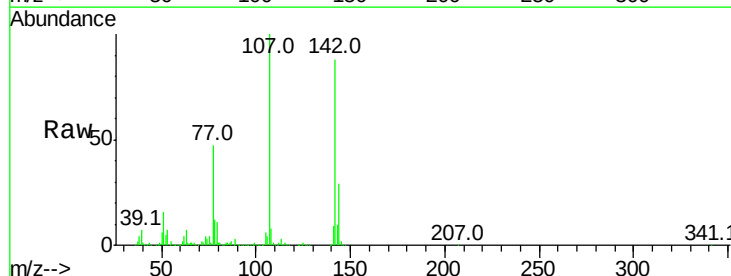
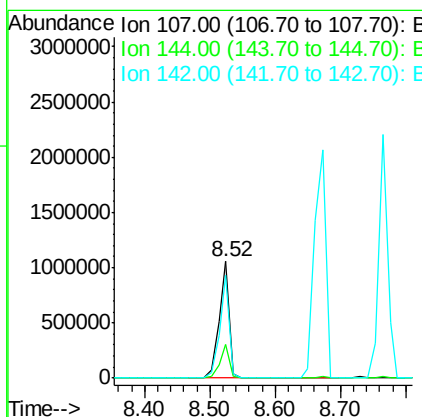
RT: 8.52 min Scan# 607

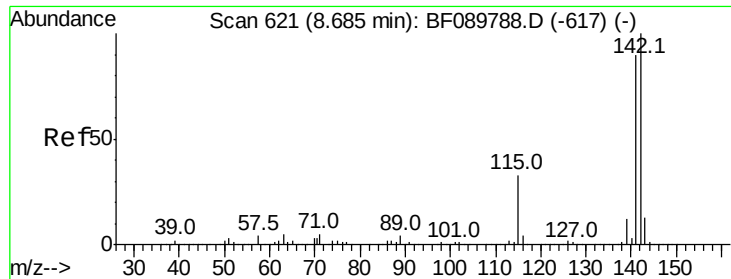
Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion:	107	Resp:	1171904
Ion Ratio	Lower	Upper	
107	100		
144	28.5	22.6	34.0
142	87.8	69.3	103.9





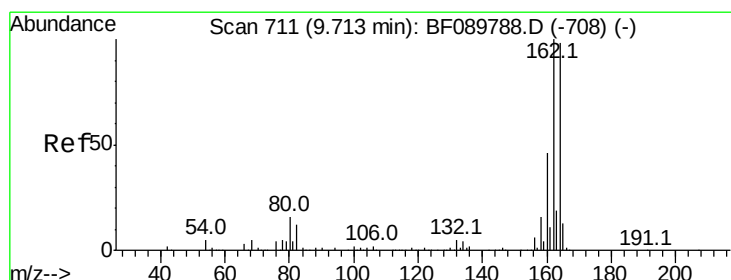
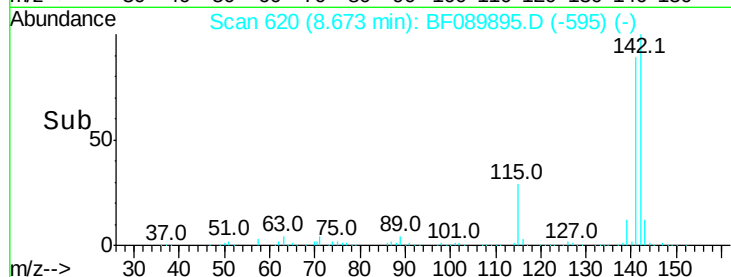
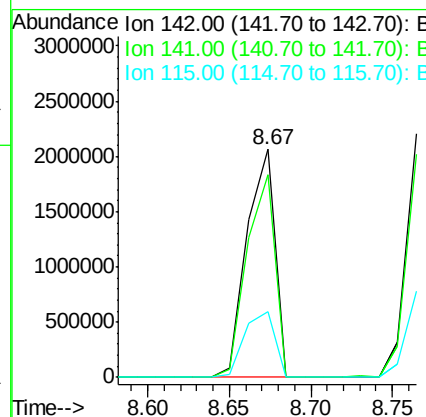
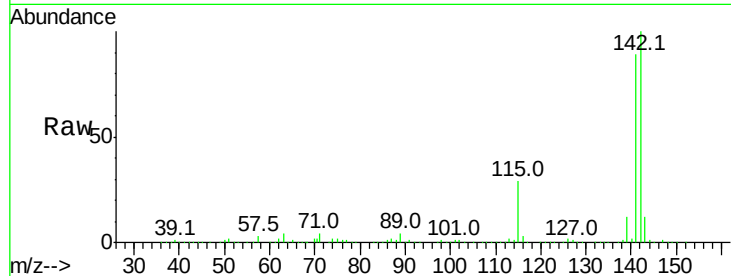
#37
 2-Methylnaphthalene
 Concen: 50.16 ng
 RT: 8.67 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	28.8	22.7	34.1

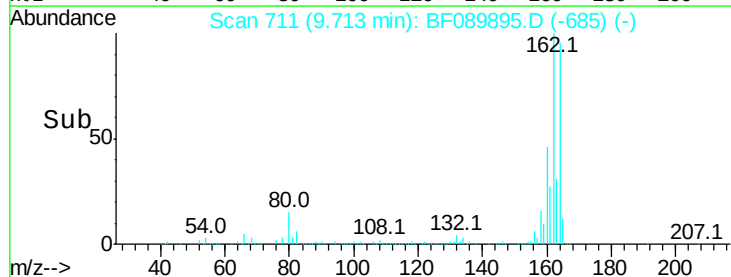
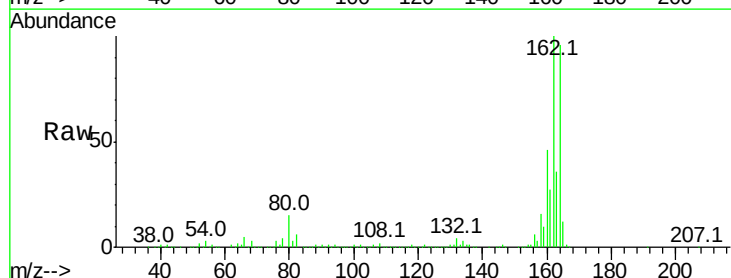
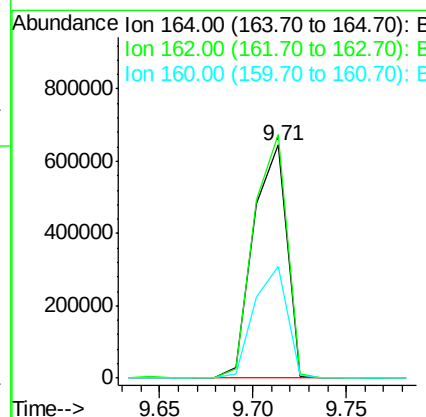
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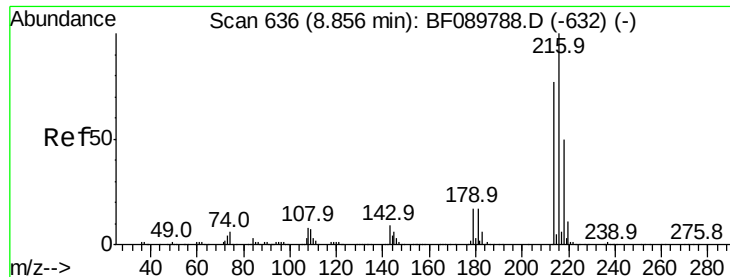
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.4	122.2
160	48.1	37.8	56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 29.91 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

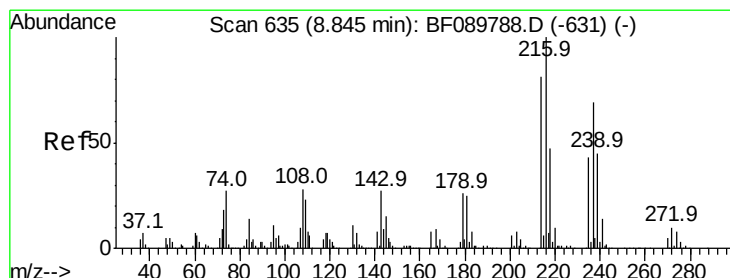
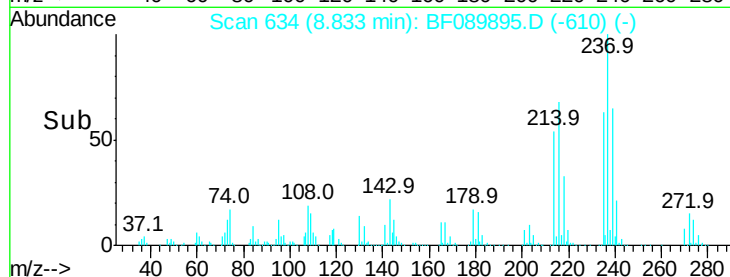
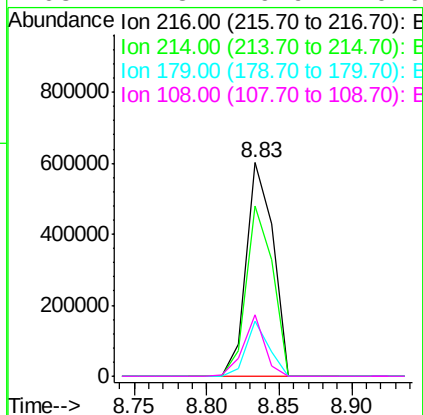
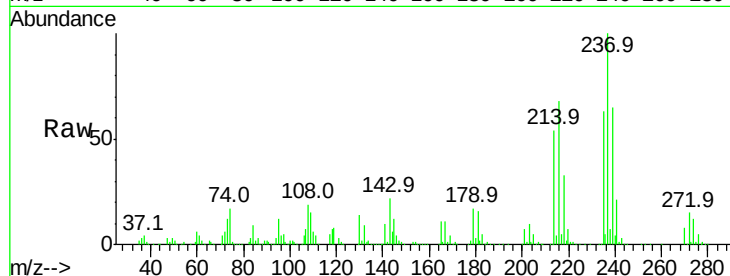
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	771932		
214	78.5	63.5	95.3	
179	22.0	19.9	29.9	
108	22.8	19.9	29.9	

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#40

Hexachlorocyclopentadiene

Concen: 105.94 ng

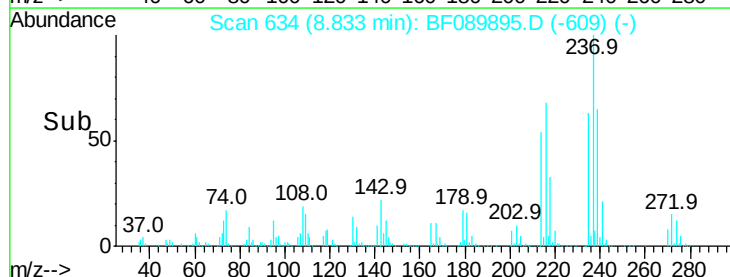
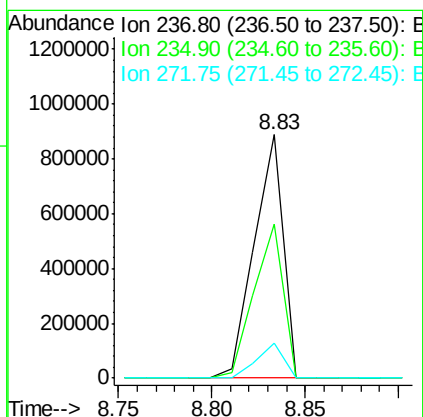
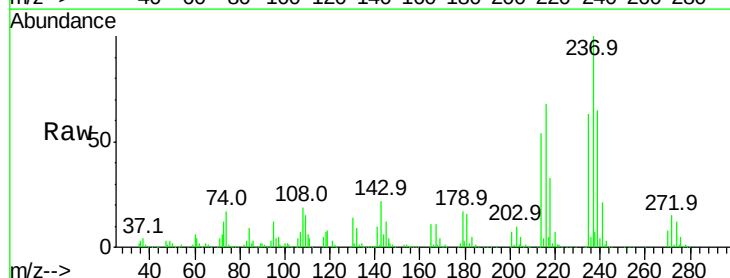
RT: 8.83 min Scan# 634

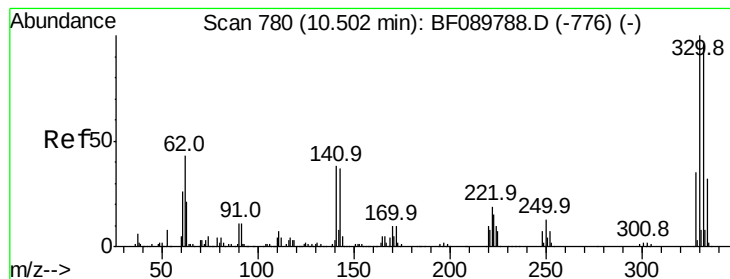
Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	949223		
235	63.2	43.7	83.7	
272	14.6	0.0	31.6	





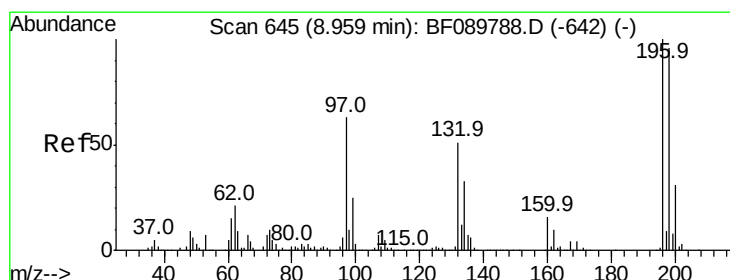
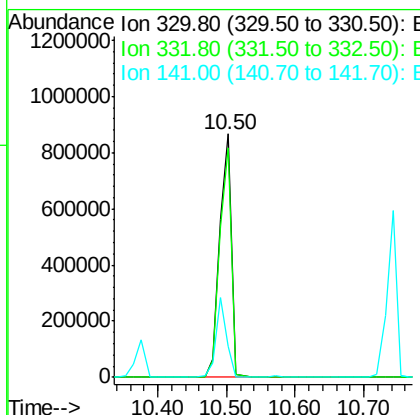
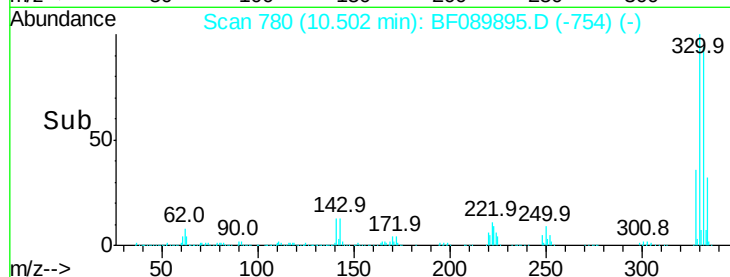
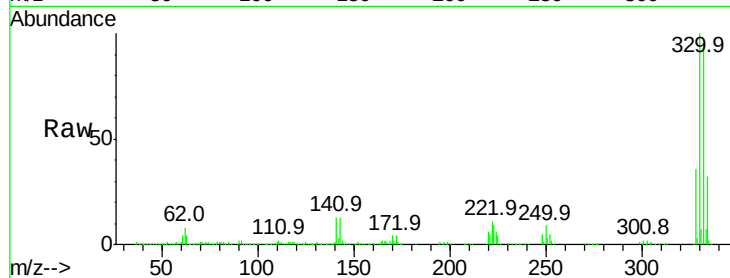
#41
 2,4,6-Tribromophenol
 Concen: 138.09 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.7	115.1
141	30.3	30.2	45.2

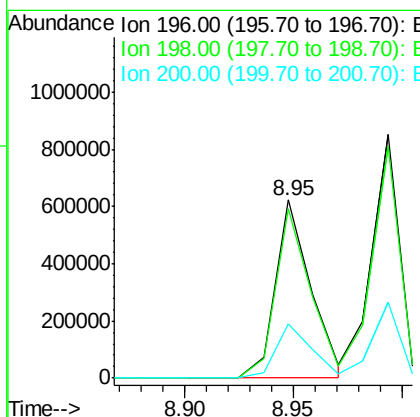
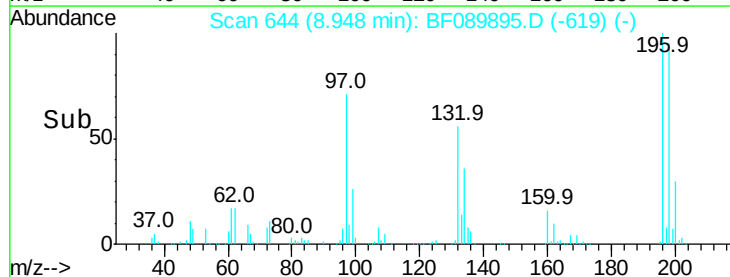
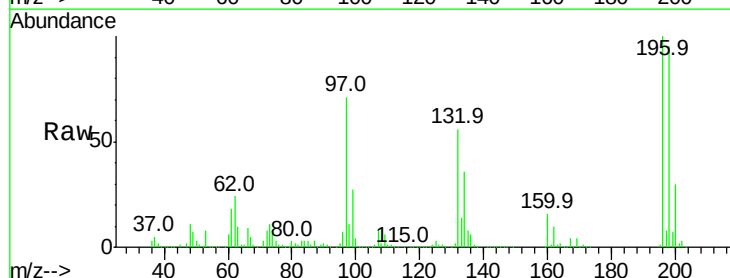
Manual Integrations
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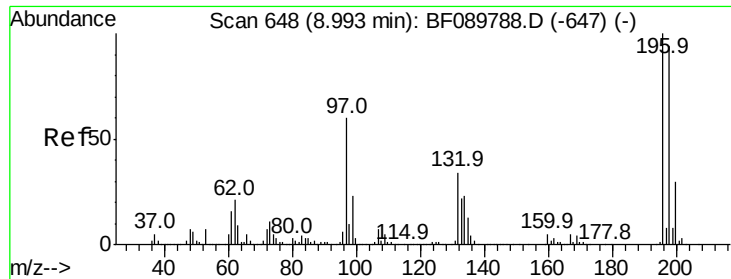
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#42
 2,4,6-Trichlorophenol
 Concen: 43.76 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.3	114.5
200	30.3	24.6	36.8





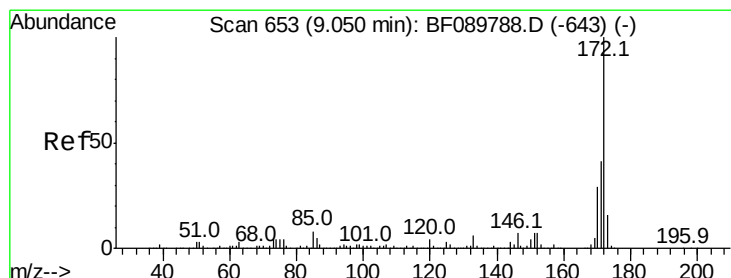
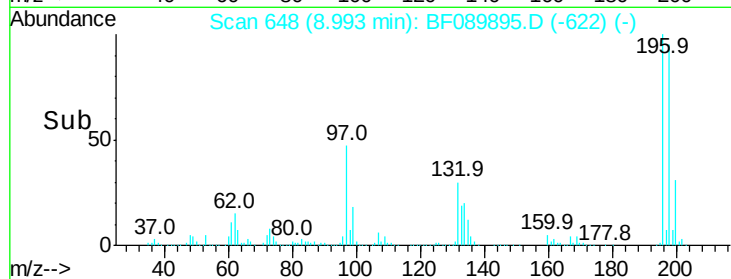
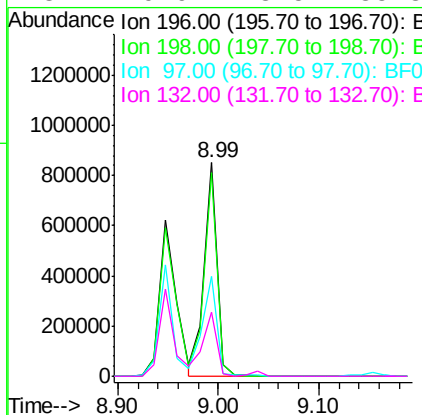
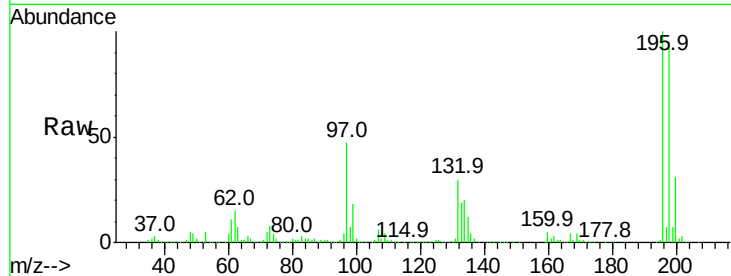
#43
 2,4,5-Trichlorophenol
 Concen: 46.96 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	196	Resp	758315
Ion Ratio	Lower	Upper	
196	100		
198	95.4	76.6	114.8
97	46.7	35.8	53.8
132	29.9	23.5	35.3

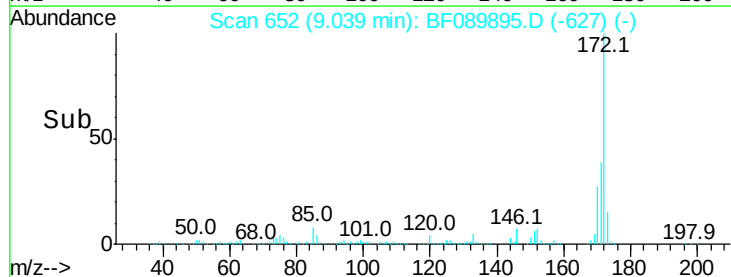
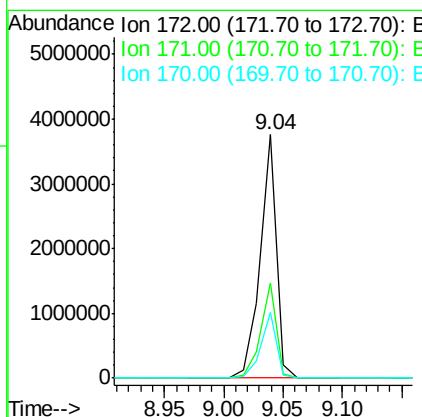
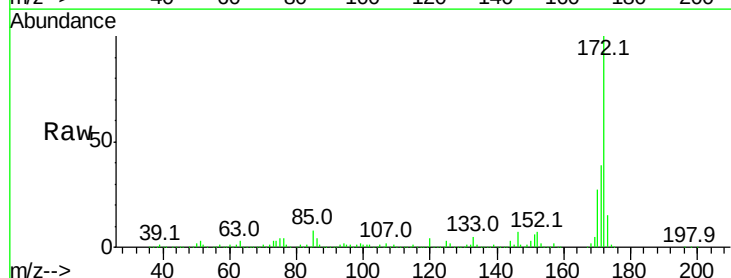
Manual Integrations
 APPROVED

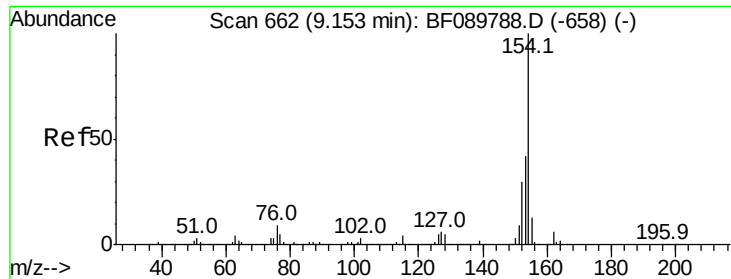
umangi
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#44
 2-Fluorobiphenyl
 Concen: 79.31 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	172	Resp	3596520
Ion Ratio	Lower	Upper	
172	100		
171	39.0	30.5	45.7
170	27.0	20.6	31.0





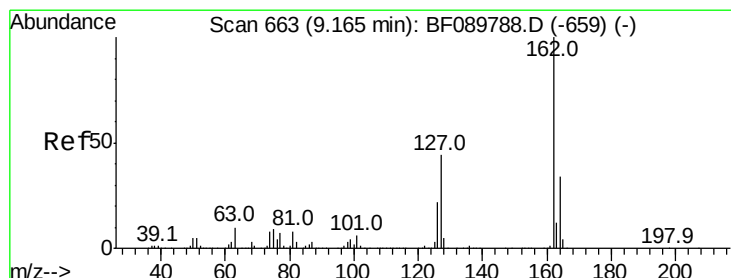
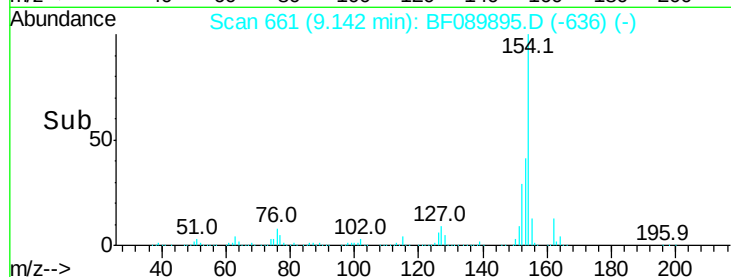
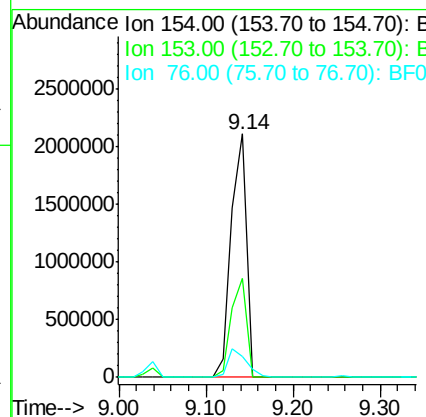
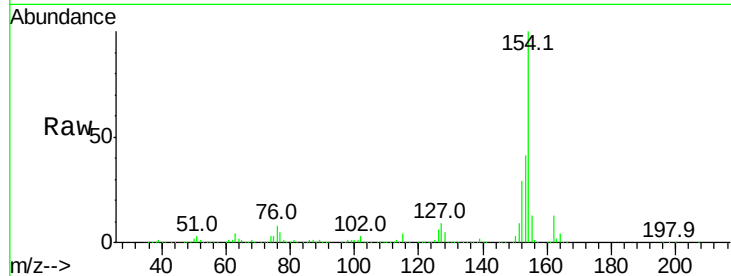
#45
 1,1'-Biphenyl
 Concen: 41.66 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.5	61.5
76	8.5	0.0	36.7

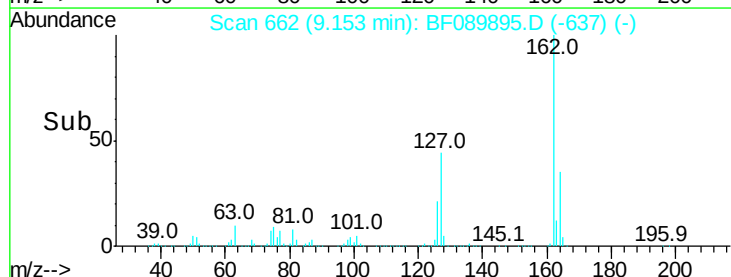
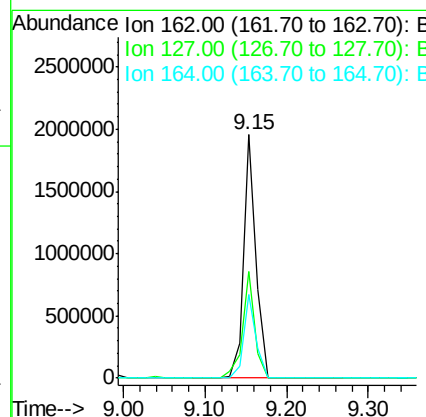
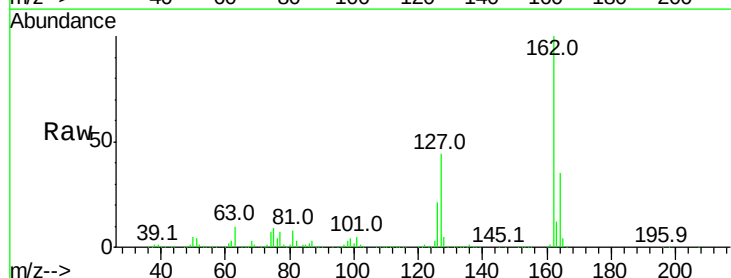
Manual Integrations
 APPROVED

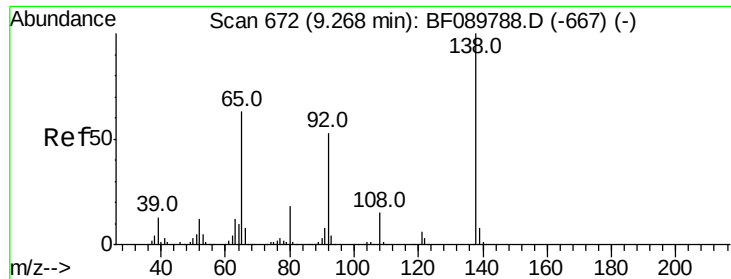
umangi
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#46
 2-Chloronaphthalene
 Concen: 41.80 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.0	35.5	53.3
164	34.6	26.6	40.0





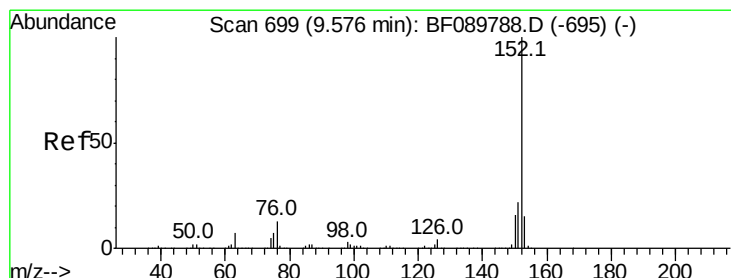
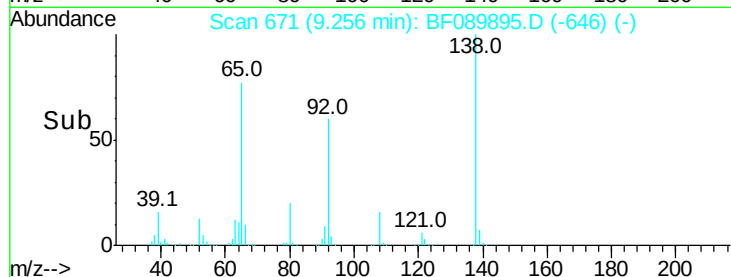
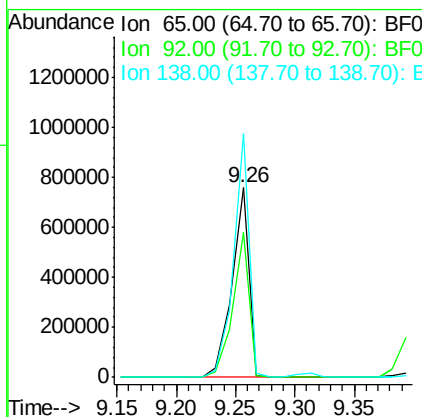
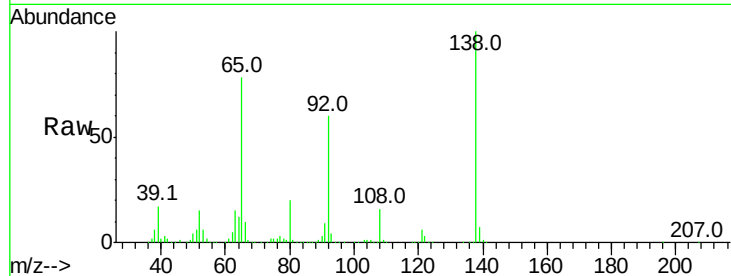
#47
2-Nitroaniline
Concen: 54.09 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	76.8	56.3	84.5
138	128.4	81.8	122.8

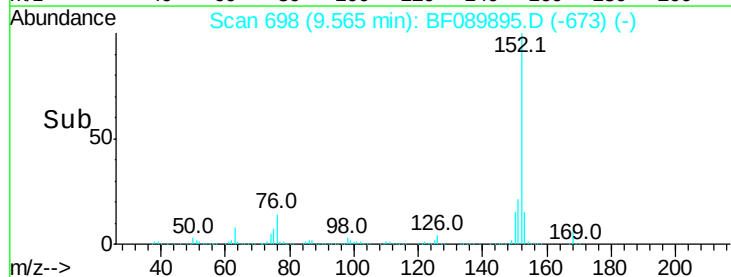
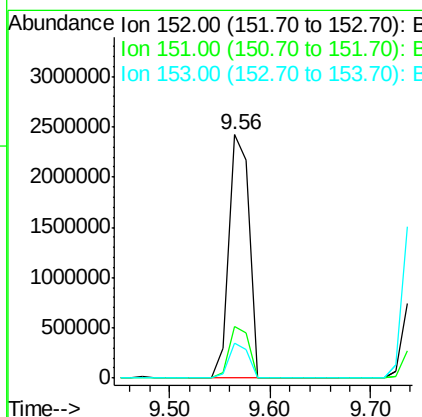
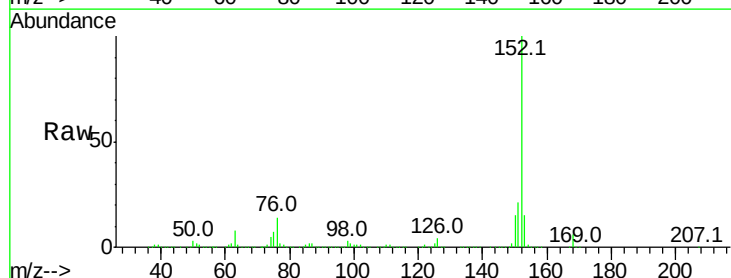
Manual Integrations
APPROVED

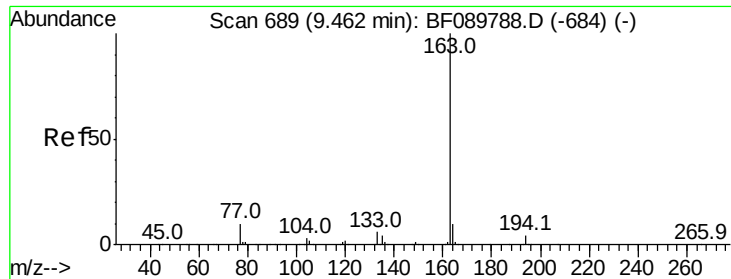
umangi
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#48
Acenaphthylene
Concen: 45.92 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.1	25.7
153	14.5	11.2	16.8





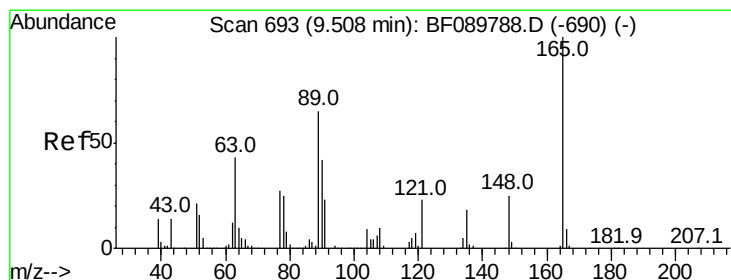
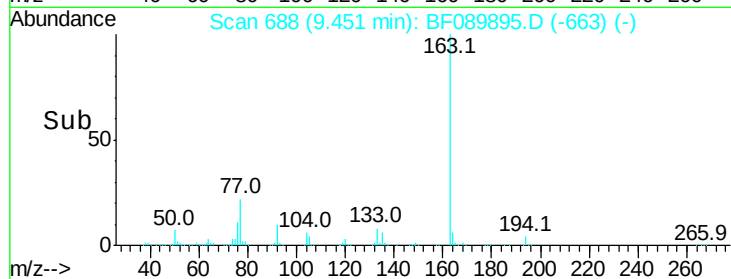
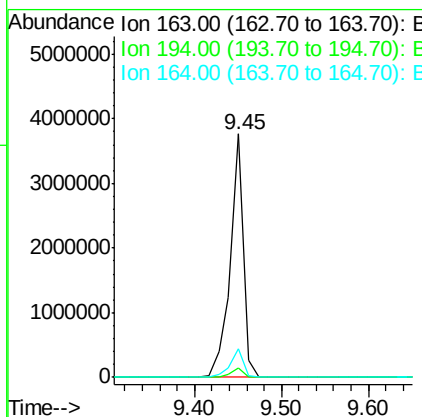
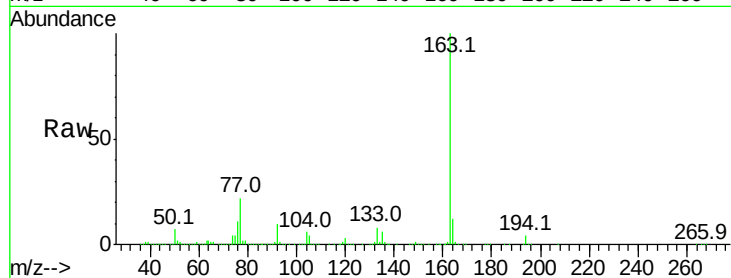
#49
Dimethylphthalate
Concen: 69.93 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	3.8
164	11.9	8.6	12.8

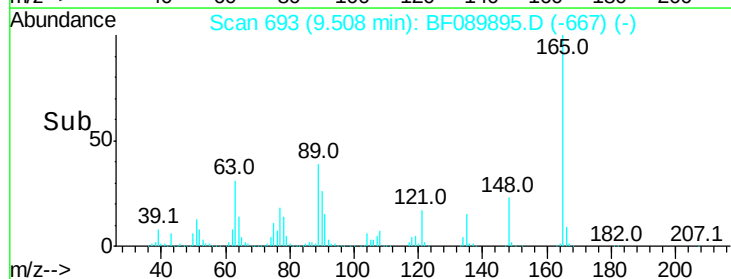
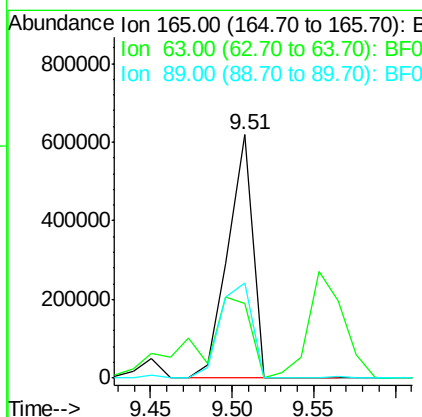
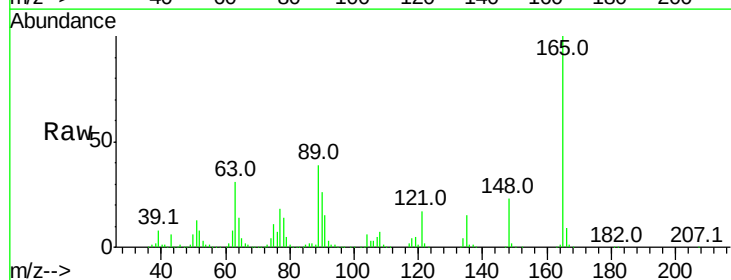
Manual Integrations
APPROVED

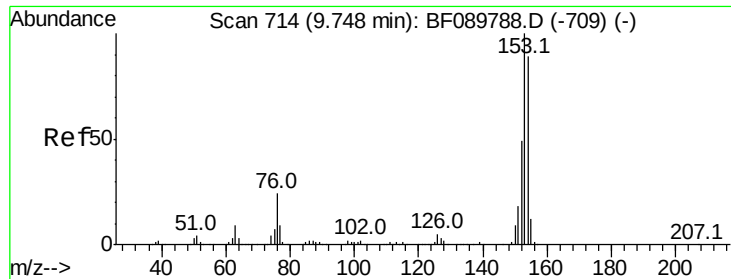
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#50
2,6-Dinitrotoluene
Concen: 50.13 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	30.9	41.7	62.5#
89	38.9	44.6	67.0#





#51

Acenaphthene

Concen: 47.32 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:154 Resp: 2294314

Ion Ratio Lower Upper

154 100

153 111.7 90.5 135.7

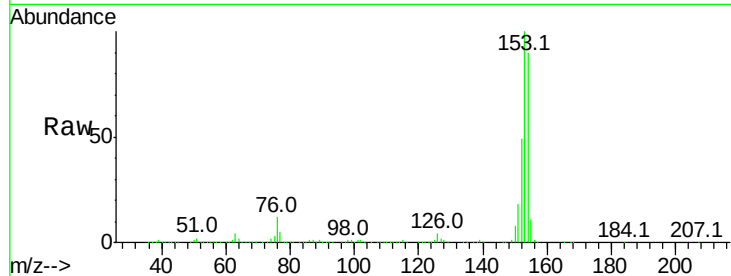
152 54.8 44.6 67.0

Manual Integrations

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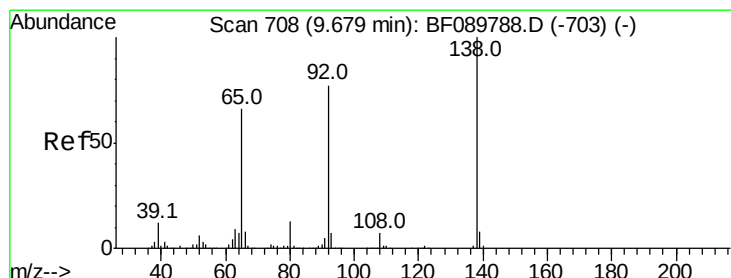
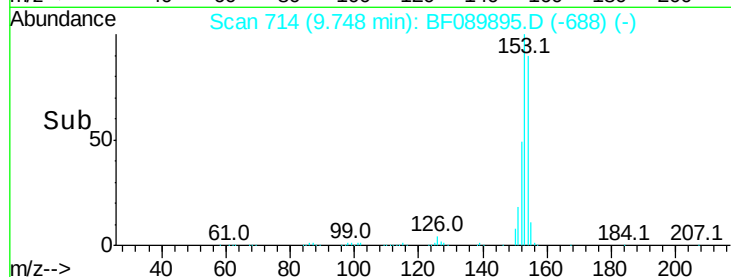
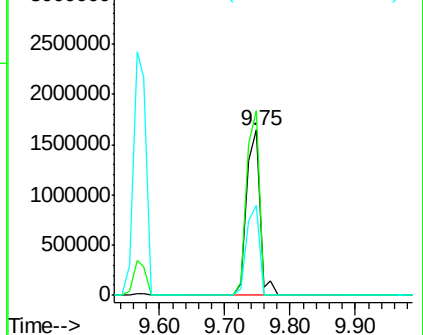
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 37.34 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

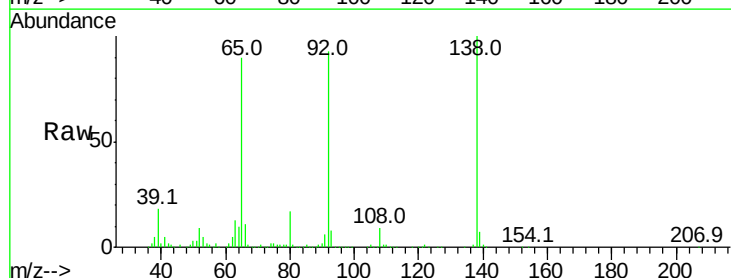
Tgt Ion:138 Resp: 535949

Ion Ratio Lower Upper

138 100

108 8.5 8.1 12.1

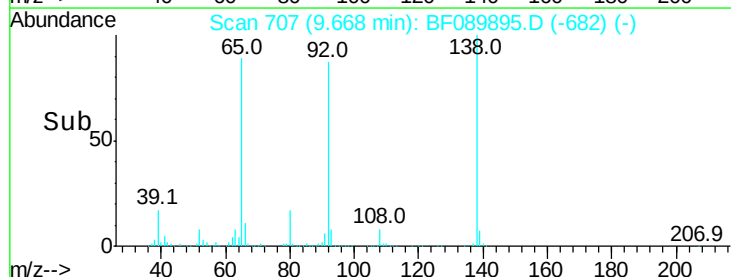
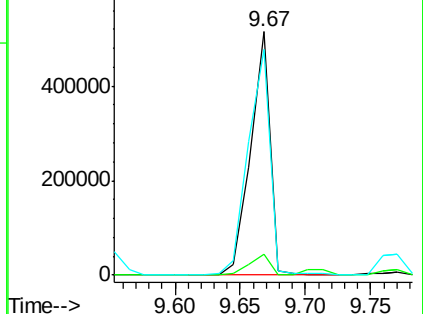
92 92.7 92.7 139.1

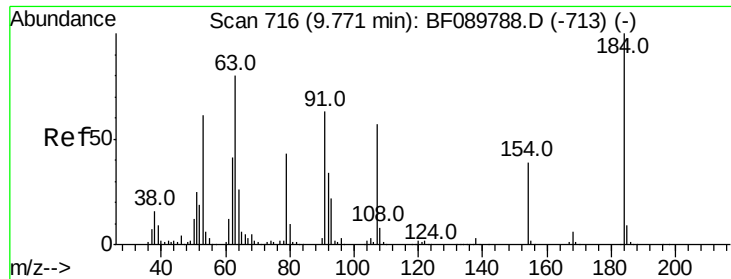


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





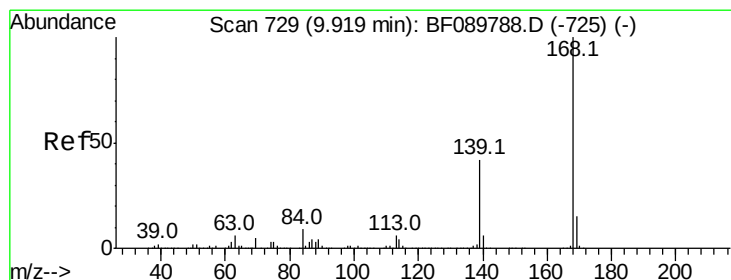
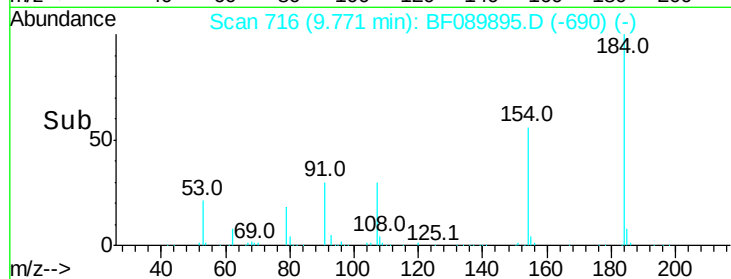
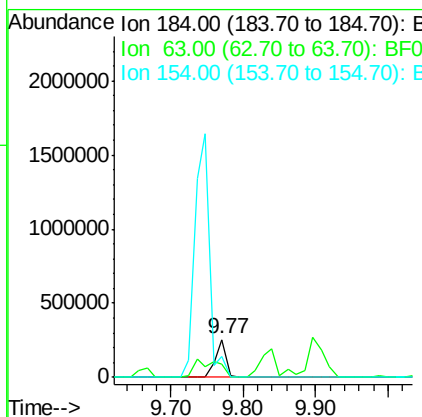
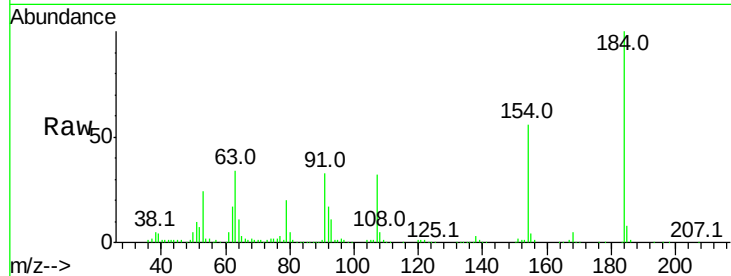
#53
2,4-Dinitrophenol
Concen: 43.02 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	259011		
63	34.1	54.2	81.4#	
154	56.0	52.7	79.1	

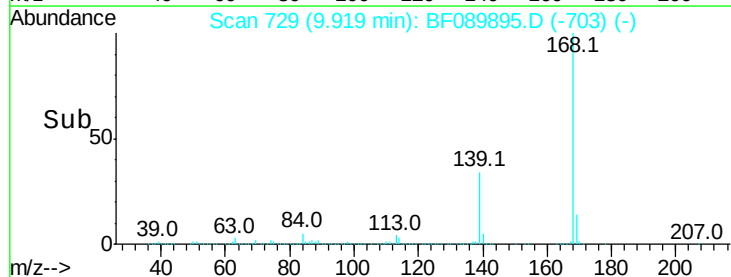
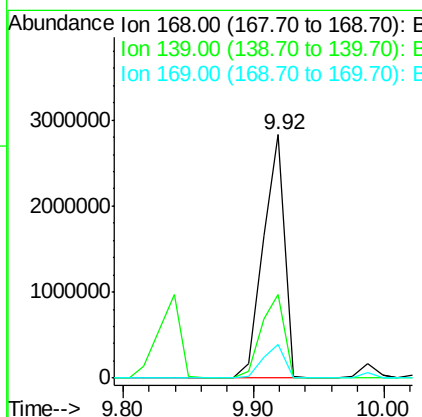
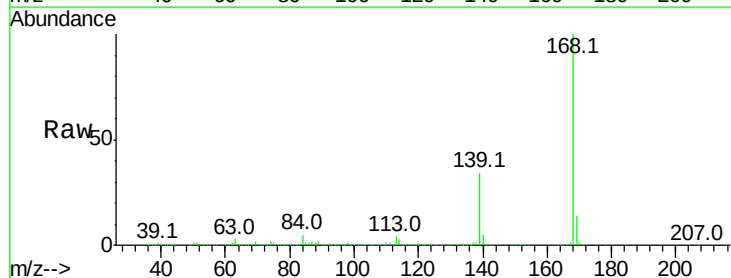
Manual Integrations
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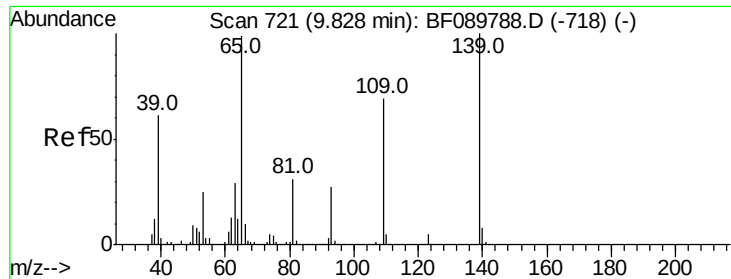
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#54
Dibenzofuran
Concen: 52.60 ng
RT: 9.92 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	3202999		
139	34.5	34.6	52.0#	
169	14.0	11.5	17.3	





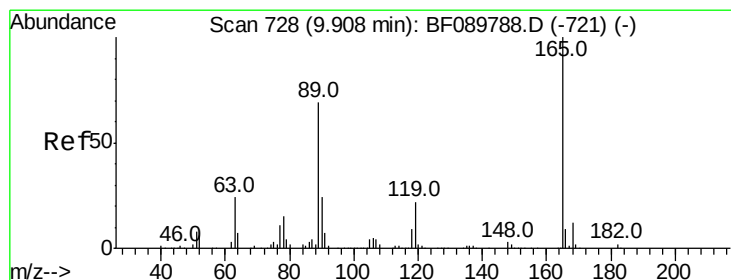
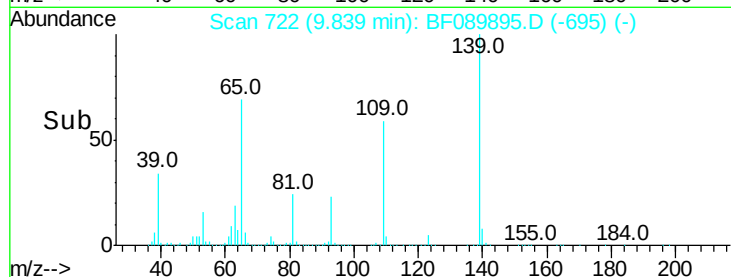
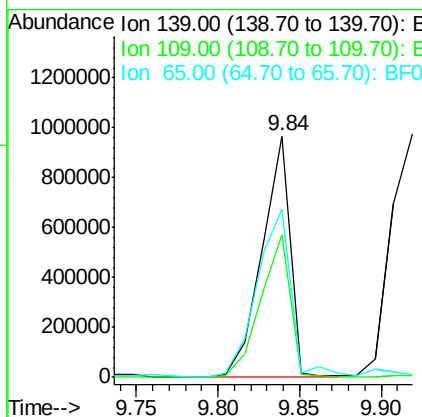
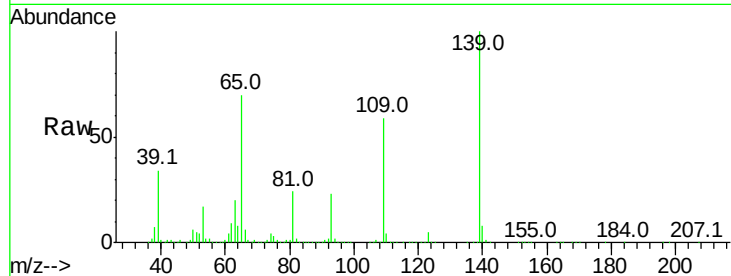
#55
4-Nitrophenol
Concen: 99.69 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	59.0	43.0	83.0
65	69.5	55.7	95.7

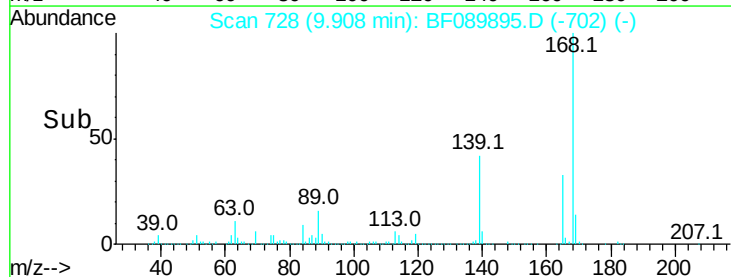
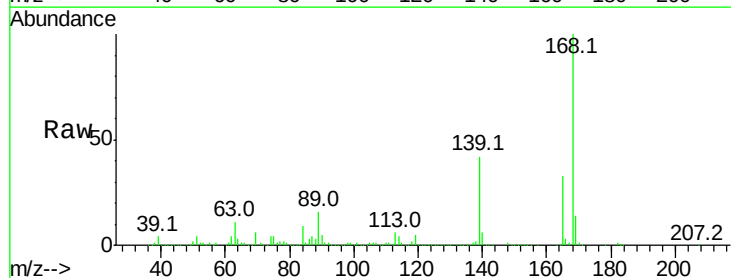
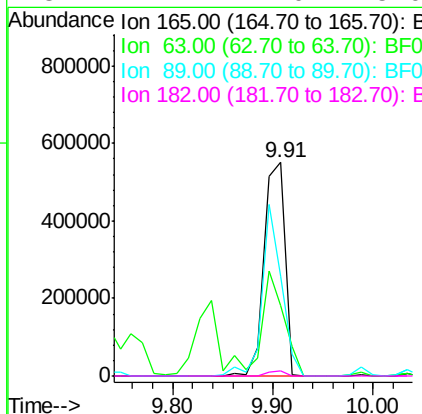
Manual Integrations
APPROVED

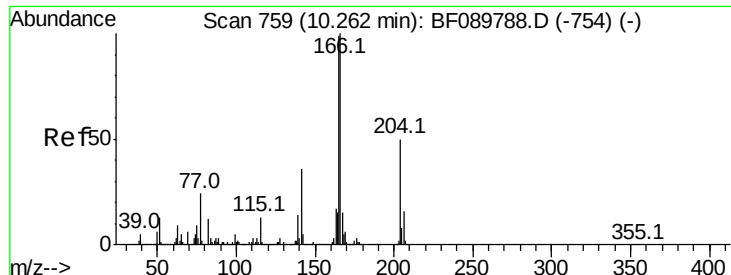
umangi
8/25/2016 6:50:04 PM



#56
2,4-Dinitrotoluene
Concen: 47.13 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	33.2	23.7	35.5
89	46.8	44.0	66.0
182	2.4	2.0	3.0





#57

Fluorene

Concen: 44.79 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:166 Resp: 2173908

Ion Ratio Lower Upper

166 100

165 99.1 80.2 120.4

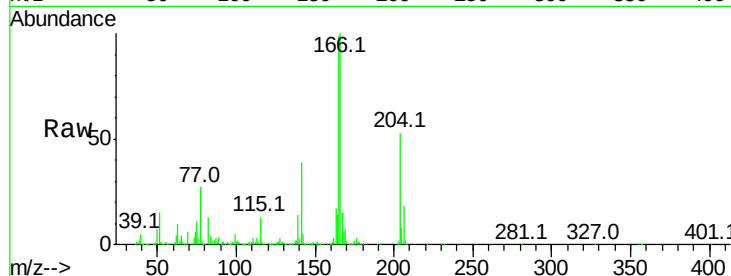
167 14.6 11.3 16.9

Manual Integrations

APPROVED

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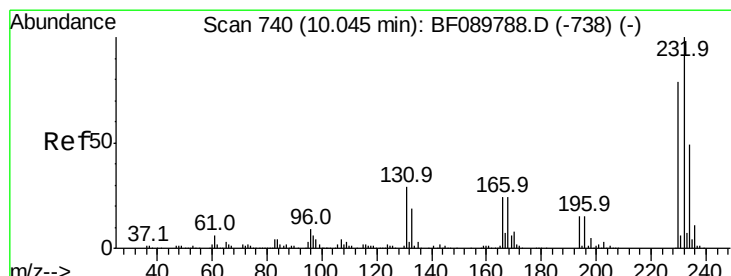
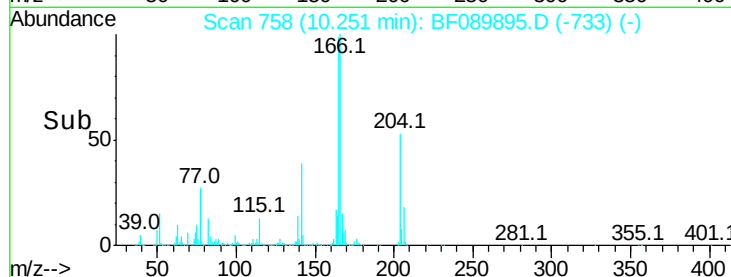
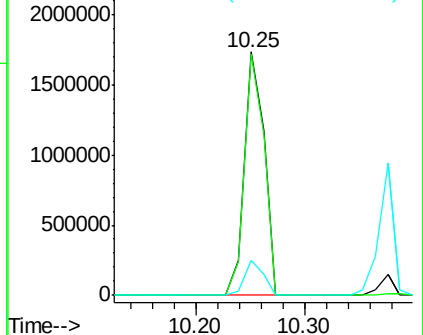


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.52 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion:232 Resp: 605444

Ion Ratio Lower Upper

232 100

131 54.5 42.5 63.7

130 2.6 2.2 3.4

166 35.8 27.3 40.9

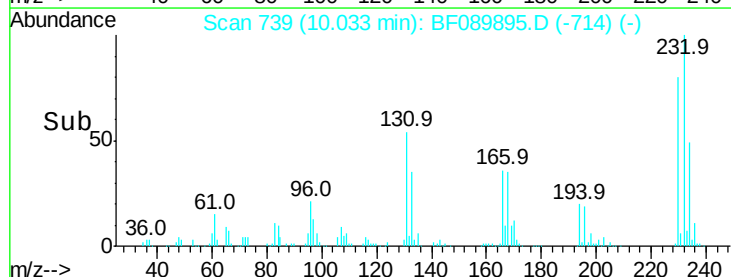
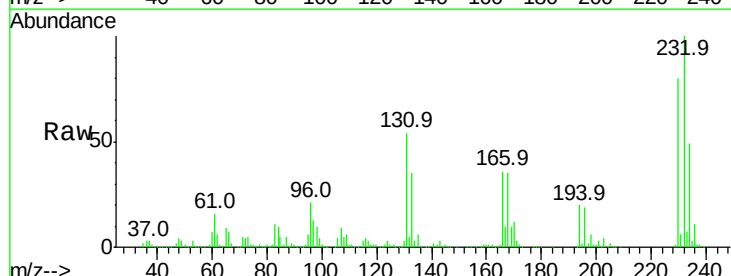
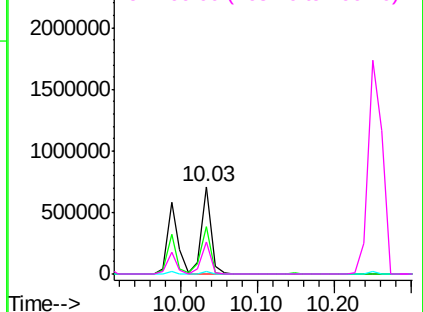
Abundance

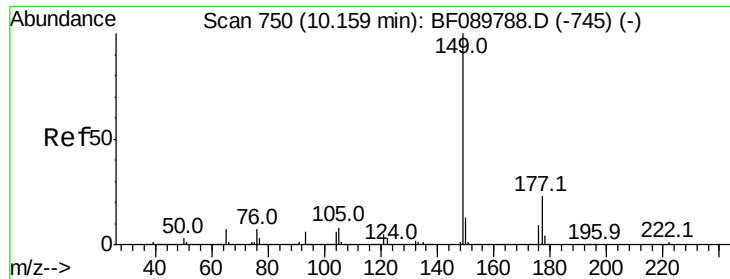
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 44.23 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:149 Resp: 2521394

Ion Ratio Lower Upper

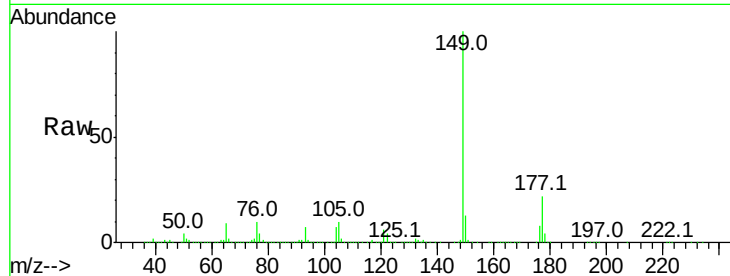
149 100

177 21.9 16.6 25.0

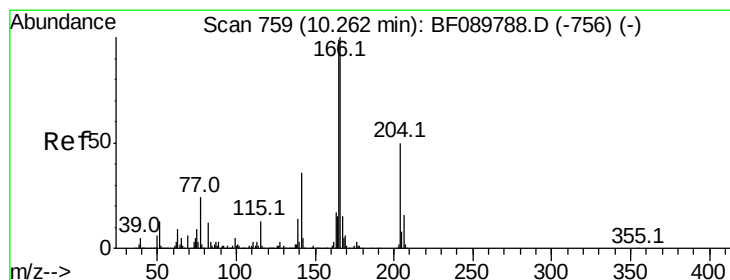
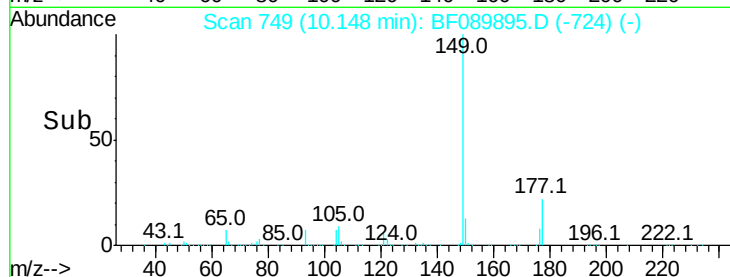
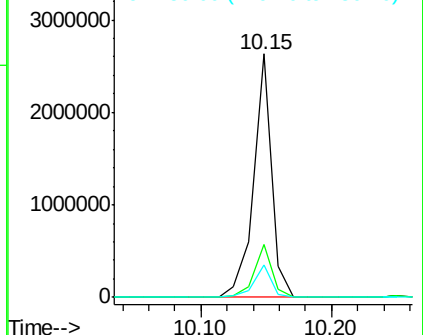
150 13.4 10.5 15.7

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 41.37 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

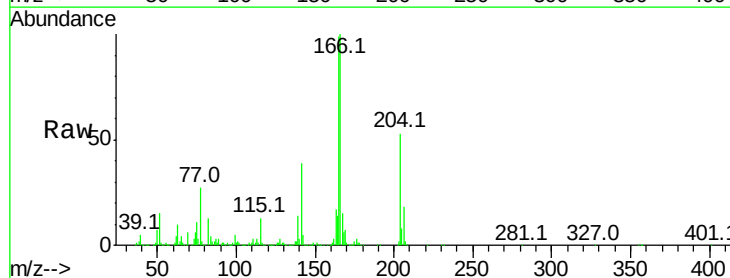
Tgt Ion:204 Resp: 915853

Ion Ratio Lower Upper

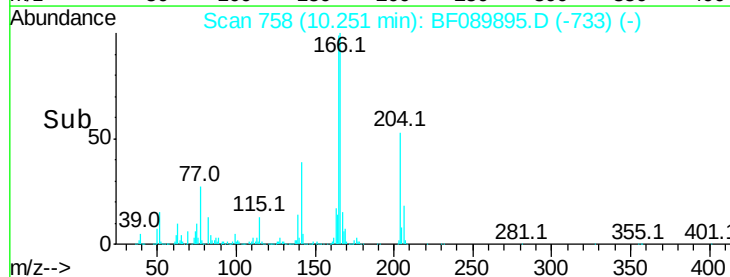
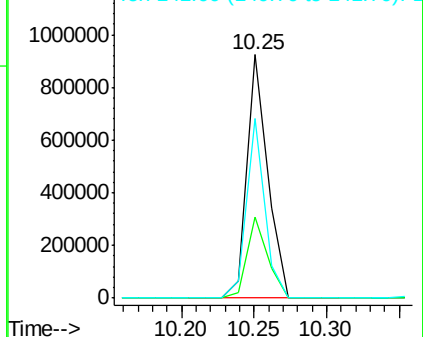
204 100

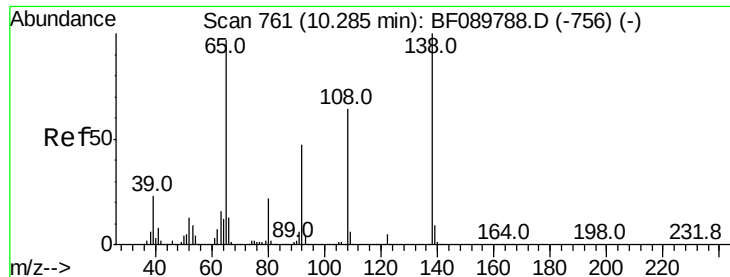
206 33.5 26.5 39.7

141 73.7 54.1 81.1



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





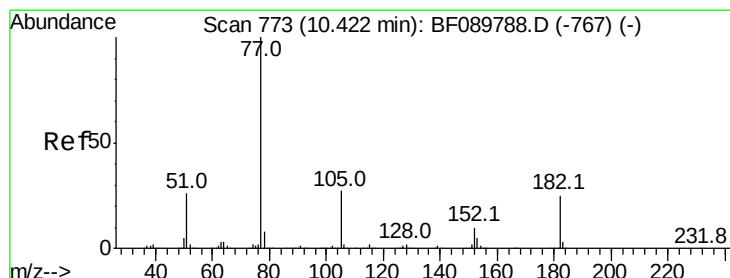
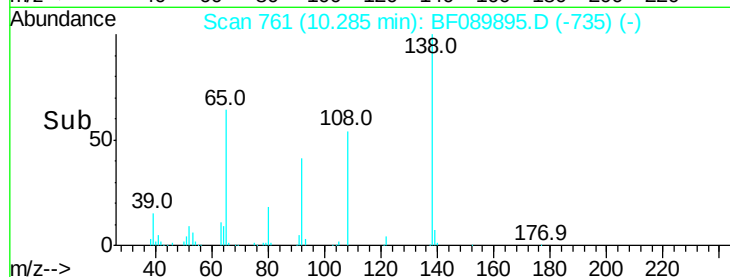
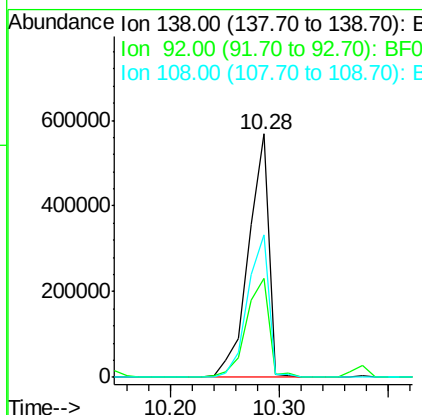
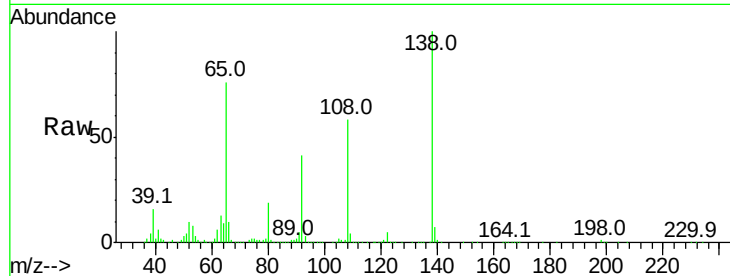
#61
4-Nitroaniline
Concen: 54.89 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	40.9	26.4	66.4
108	58.4	47.0	87.0

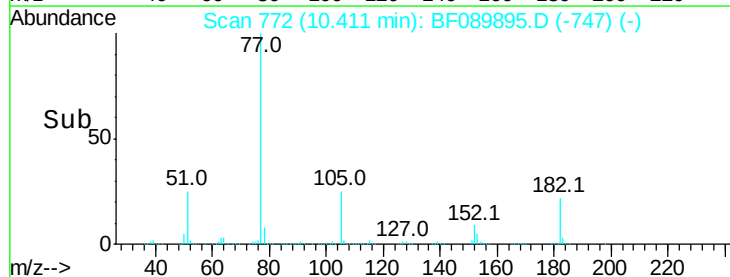
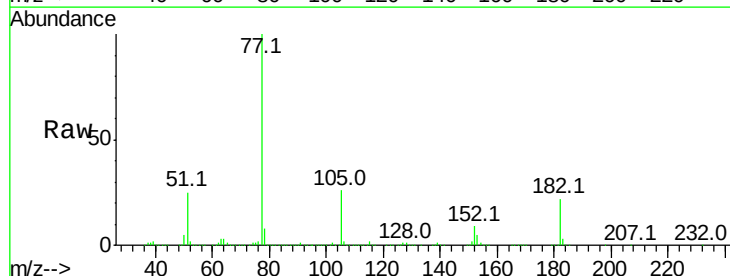
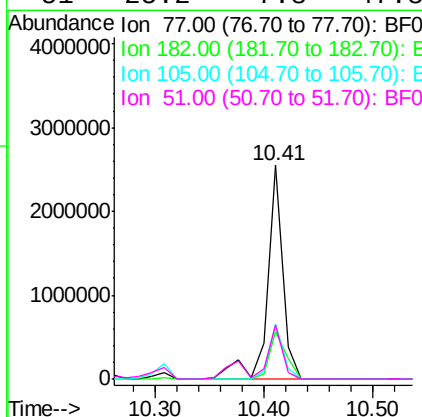
Manual Integrations
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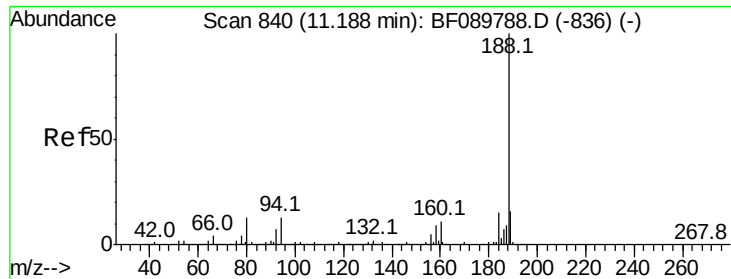
umangi
8/25/2016 6:50:04 PM



#62
Azobenzene
Concen: 47.95 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.3	5.6	45.6
105	25.7	4.0	44.0
51	25.2	7.8	47.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:188 Resp: 1511700

Ion Ratio Lower Upper

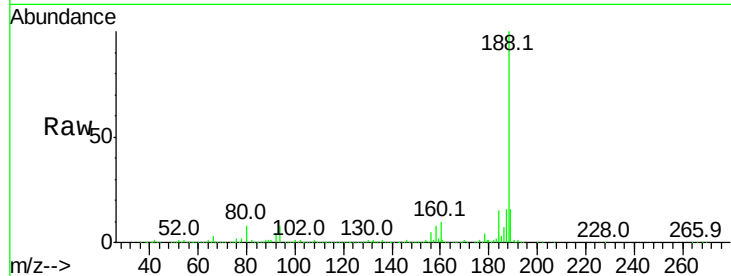
188 100

94 7.9 10.2 15.2#

80 7.7 10.9 16.3#

Manual Integrations
APPROVED

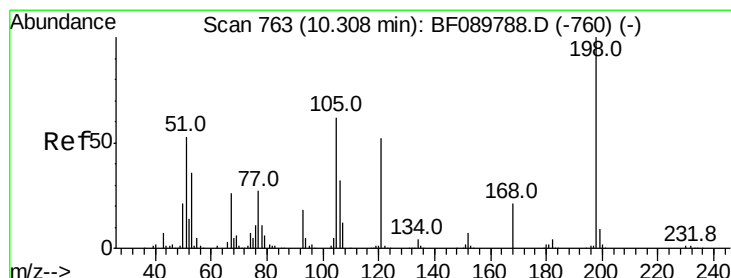
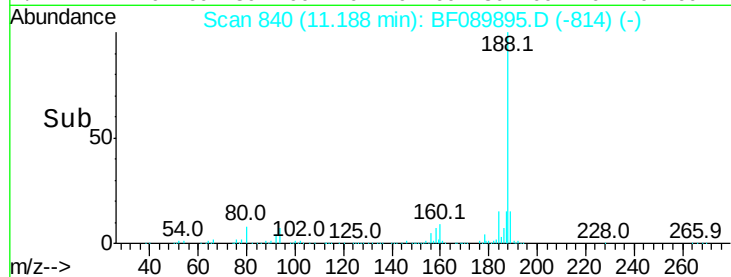
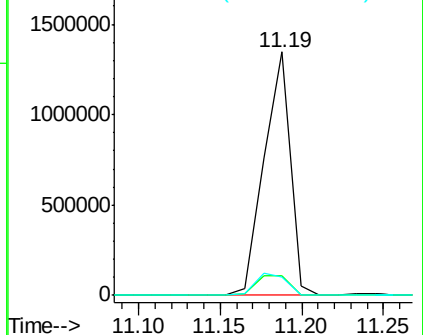
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 41.20 ng

RT: 10.31 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

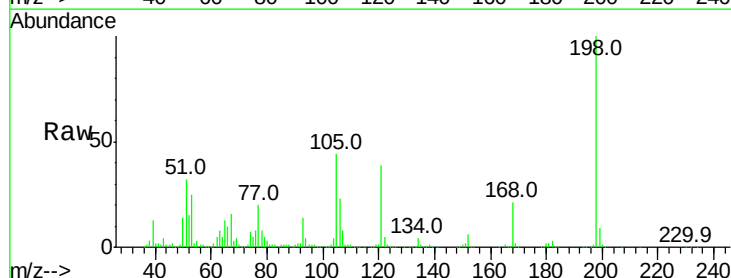
Tgt Ion:198 Resp: 357889

Ion Ratio Lower Upper

198 100

51 32.0 32.3 72.3#

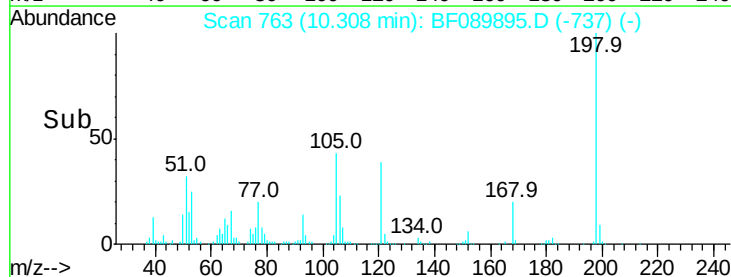
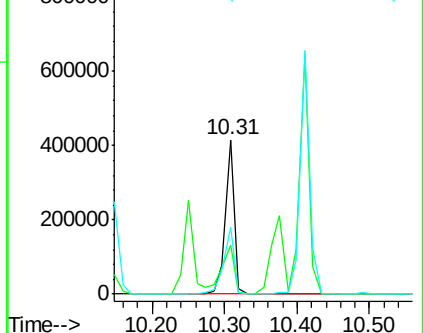
105 43.5 32.9 72.9

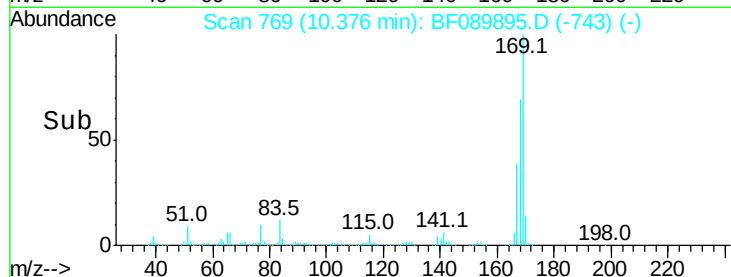
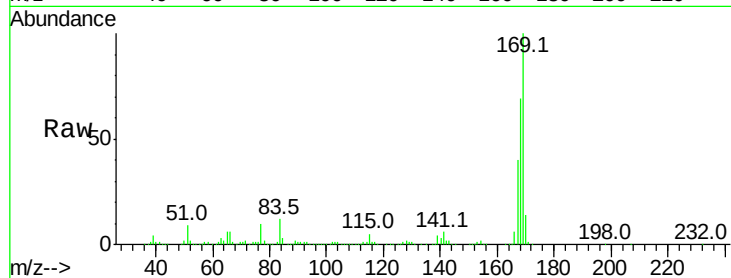
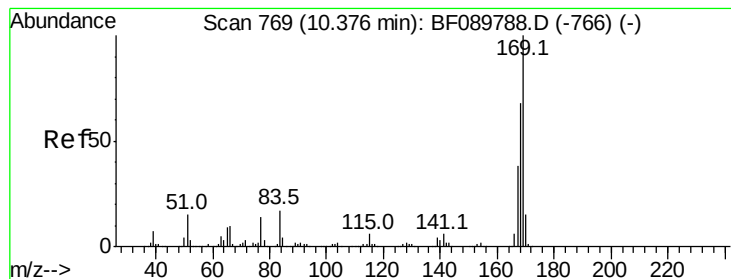


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





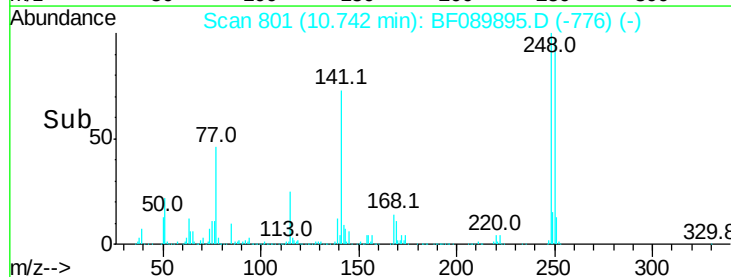
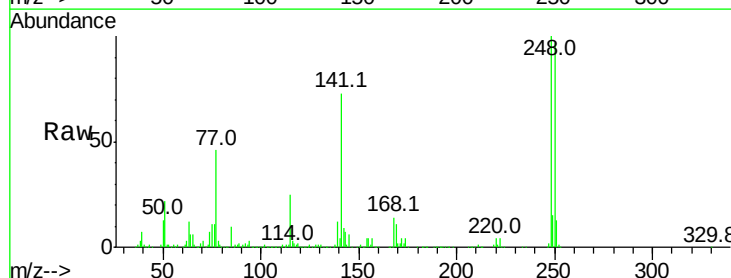
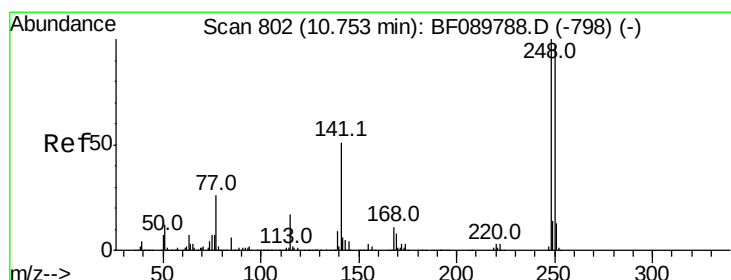
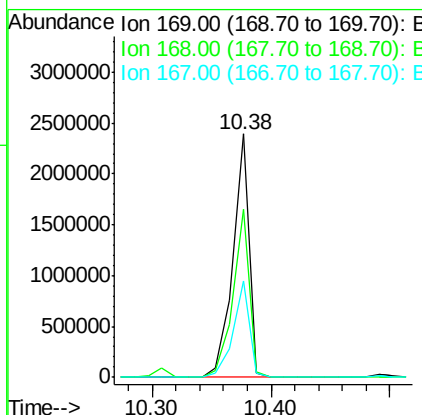
#65
n-Nitrosodiphenylamine
Concen: 47.55 ng
RT: 10.38 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tot Ion:169 Resp: 2260034
Ion Ratio Lower Upper
169 100
168 69.0 54.6 82.0
167 39.5 30.6 45.8

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

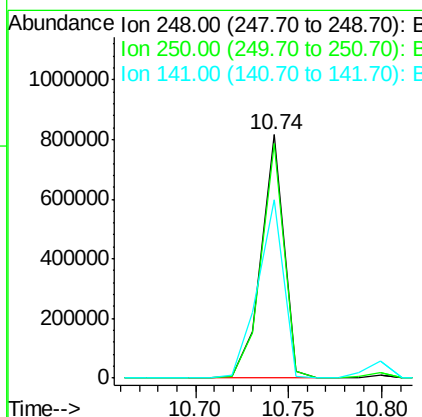
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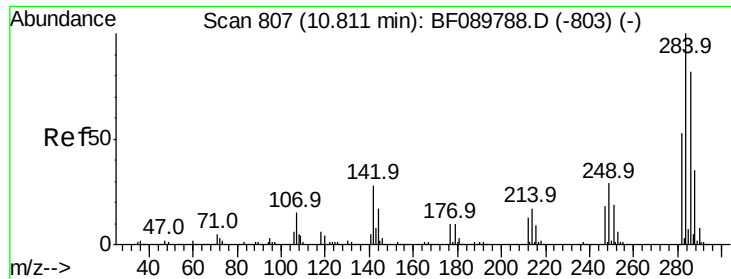
umangi
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#66
4-Bromophenyl-phenylether
Concen: 43.44 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:248 Resp: 688533
Ion Ratio Lower Upper
248 100
250 96.6 78.6 117.8
141 73.0 31.4 47.2#





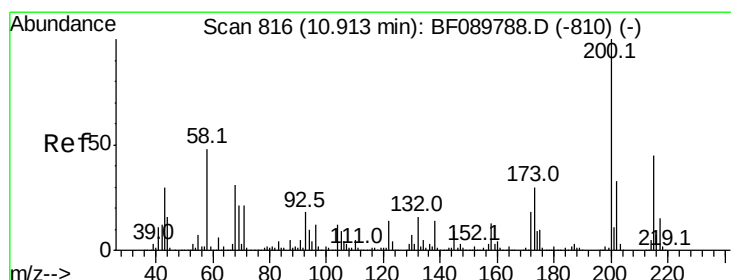
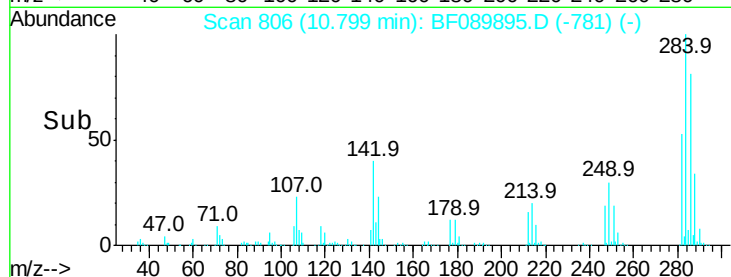
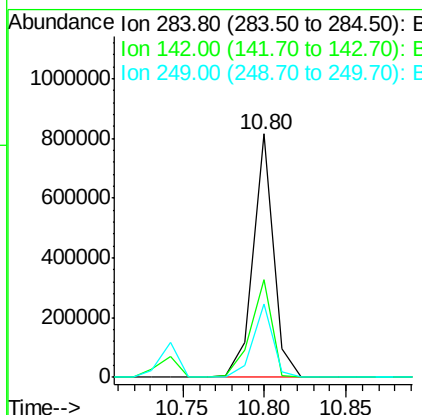
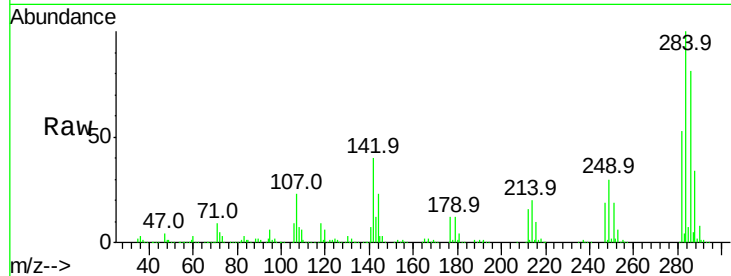
#67
Hexachlorobenzene
Concen: 39.16 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	40.1	17.4	26.2#
249	30.1	22.8	34.2

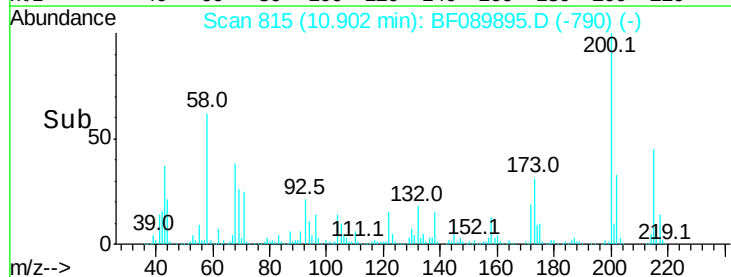
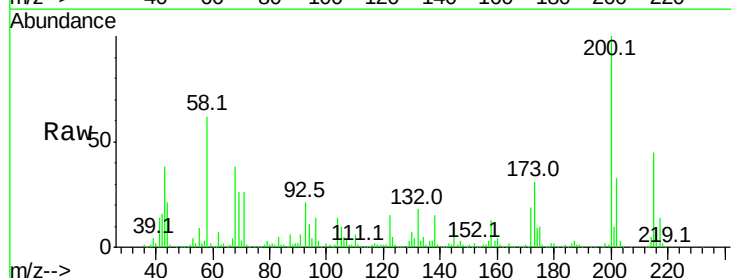
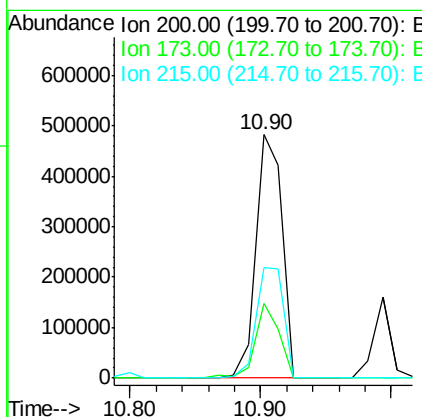
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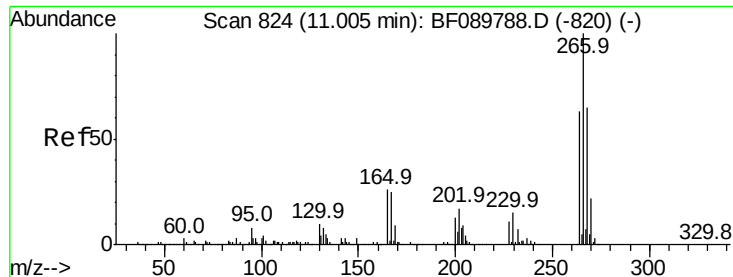
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#68
Atrazine
Concen: 46.22 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	30.8	6.6	46.6
215	45.4	24.7	64.7





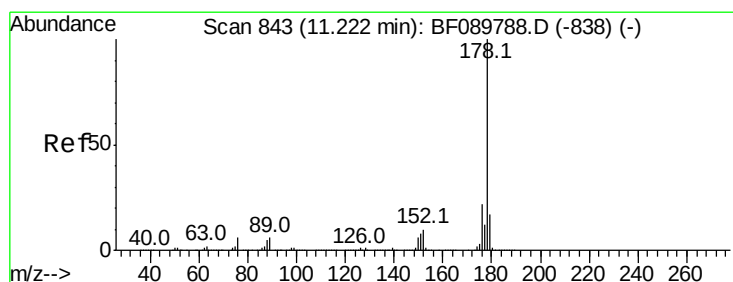
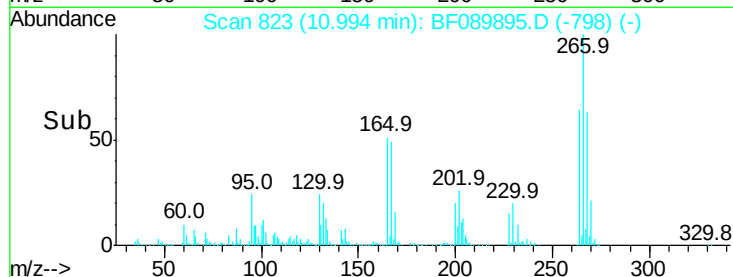
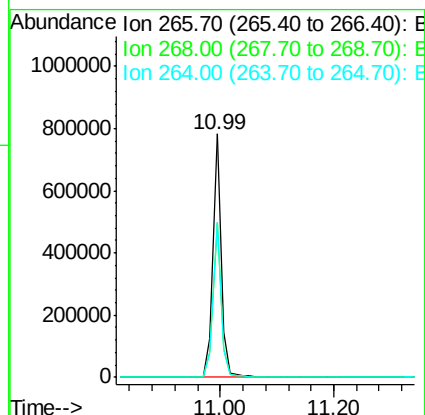
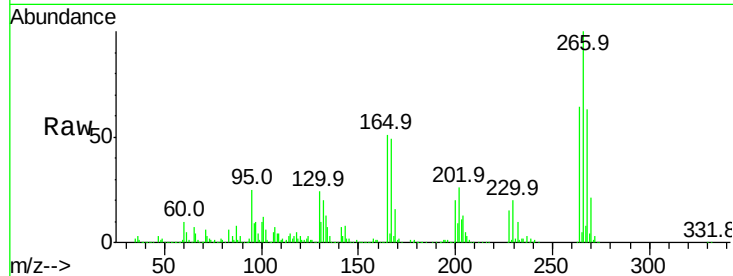
#69
 Pentachlorophenol
 Concen: 74.10 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	759421		
268	63.3	53.2	79.8	
264	64.0	51.1	76.7	

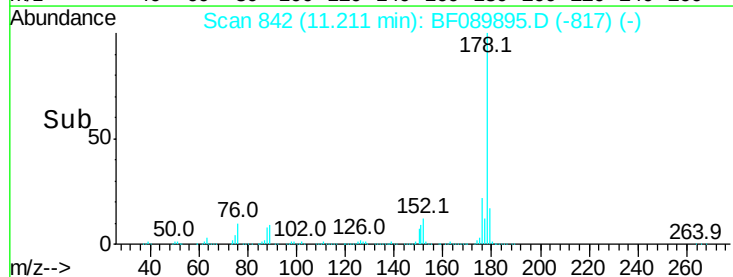
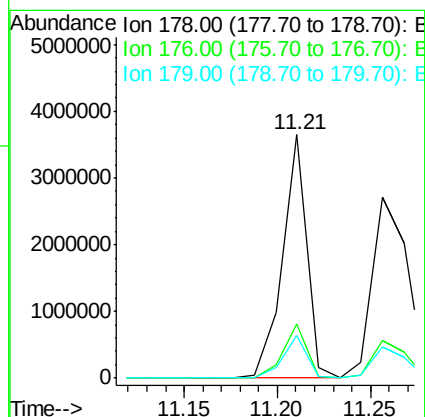
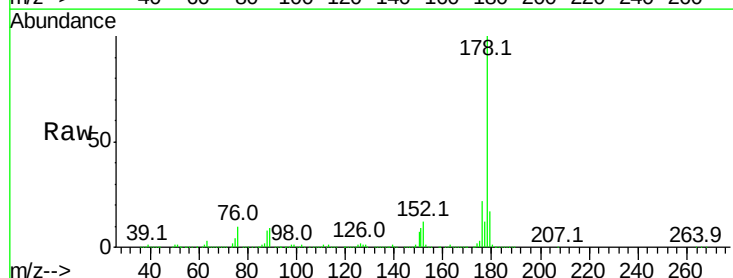
Manual Integrations
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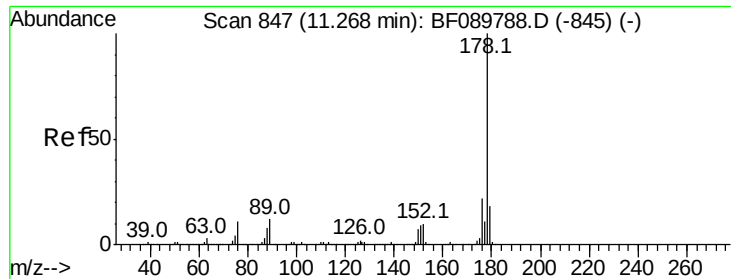
umangi
 8/25/2016 6:50:04 PM



#70
 Phenanthrene
 Concen: 43.72 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3337910		
176	22.4	16.4	24.6	
179	17.4	12.5	18.7	





#71

Anthracene

Concen: 44.40 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:178 Resp: 3445672

Ion Ratio Lower Upper

178 100

176 20.6 16.4 24.6

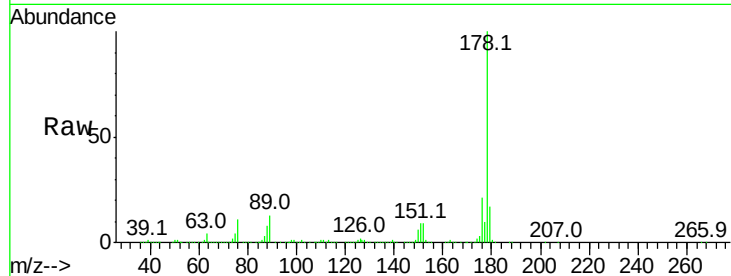
179 17.2 13.1 19.7

Manual Integrations

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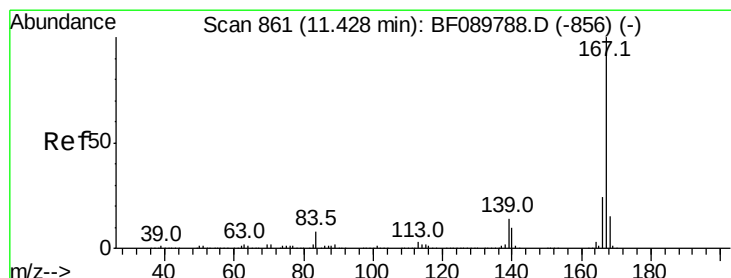
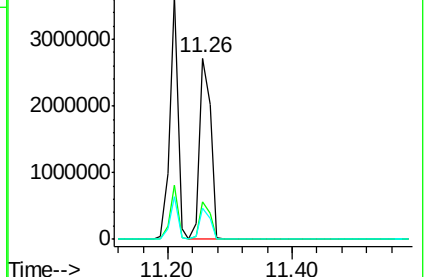
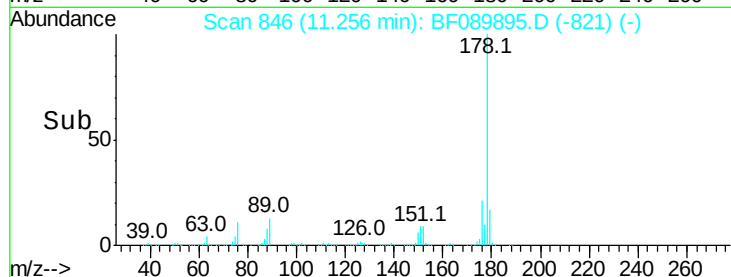
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.34 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

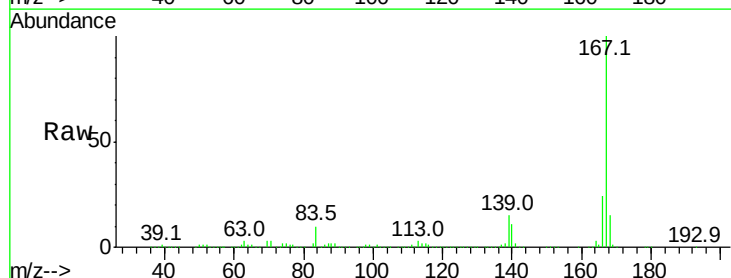
Tgt Ion:167 Resp: 3086439

Ion Ratio Lower Upper

167 100

166 23.8 17.9 26.9

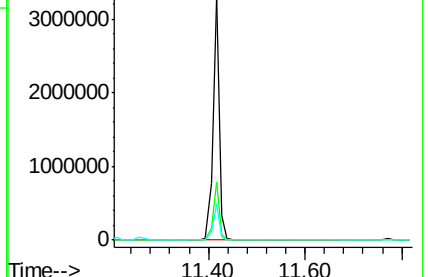
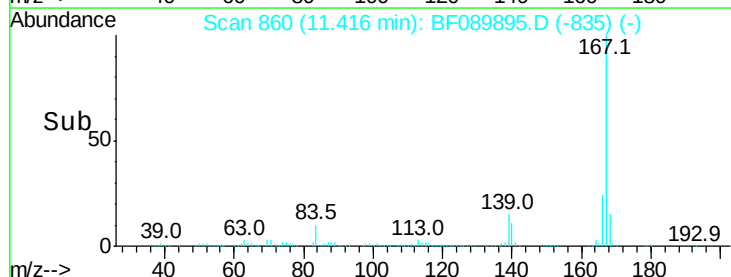
139 14.9 12.4 18.6

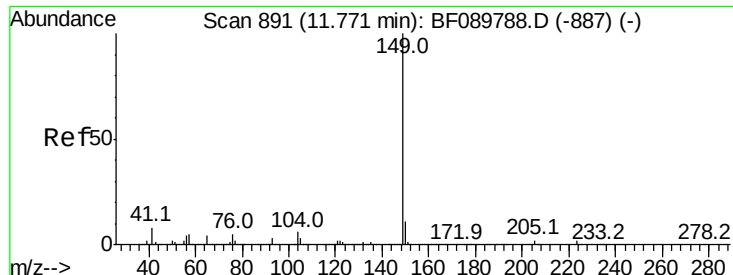


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.94 ng

RT: 11.77 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion:149 Resp: 4174995

Ion Ratio Lower Upper

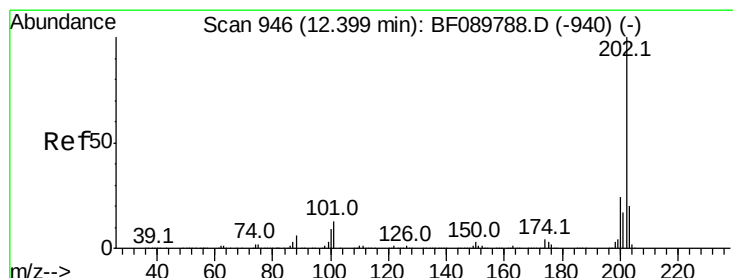
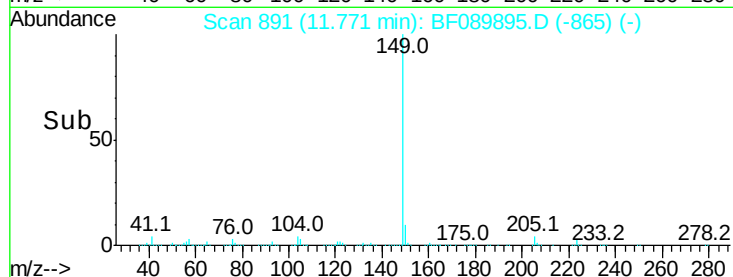
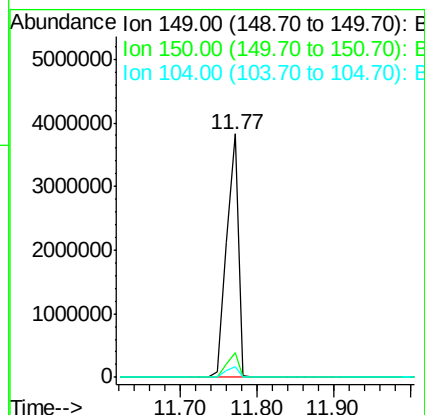
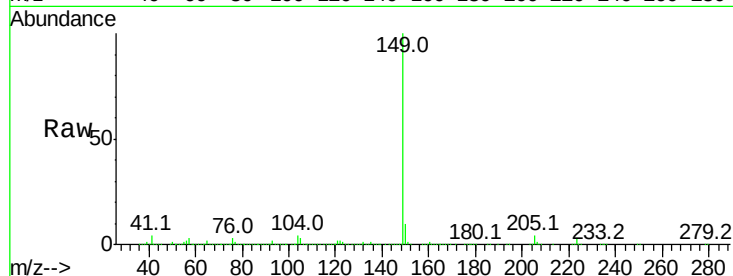
149 100

150 10.4 7.9 11.9

104 4.3 4.3 6.5#

Manual Integrations
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#74

Fluoranthene

Concen: 42.98 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

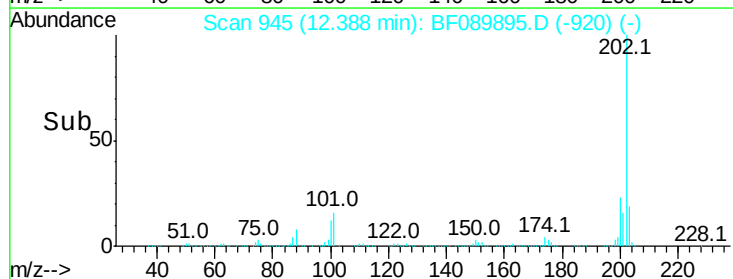
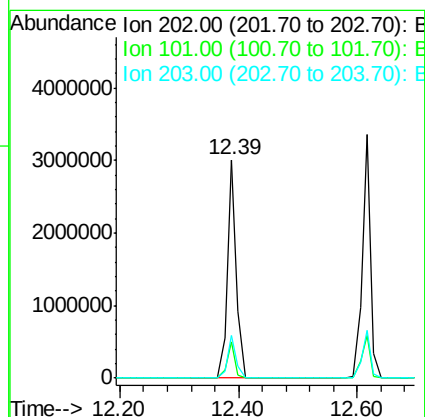
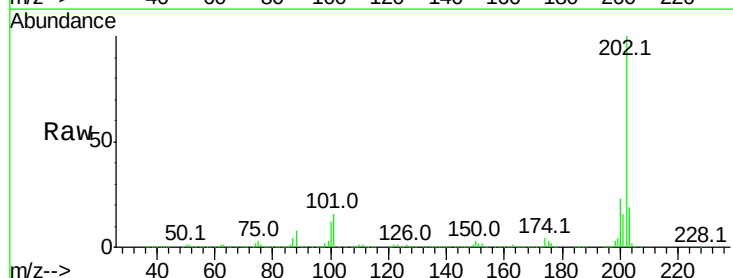
Tgt Ion:202 Resp: 3121457

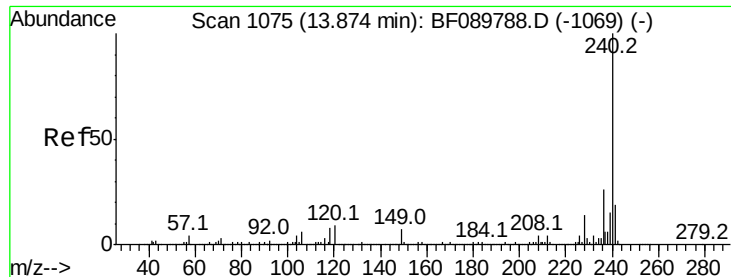
Ion Ratio Lower Upper

202 100

101 16.5 0.0 31.2

203 19.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

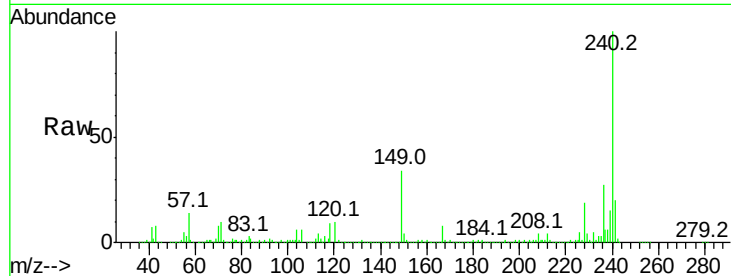
ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.3	12.5
236	26.5	21.3	31.9

Manual Integrations
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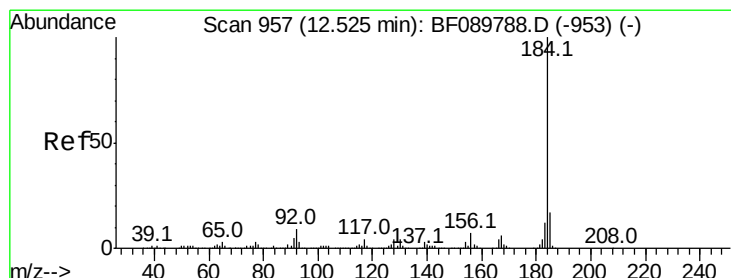
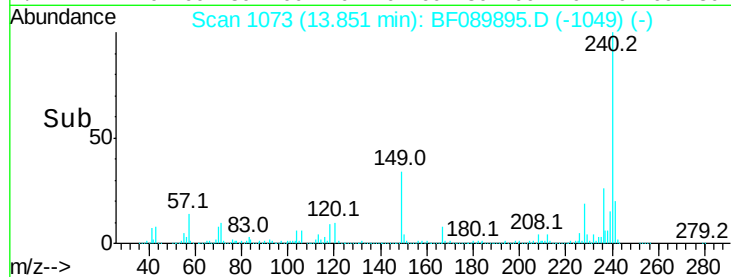
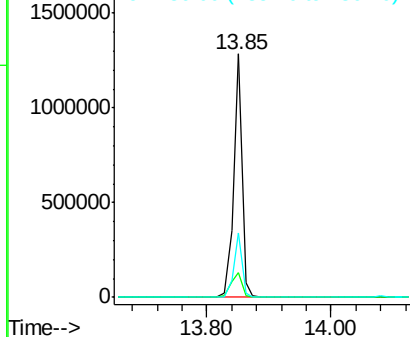
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 36.59 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF089895.D

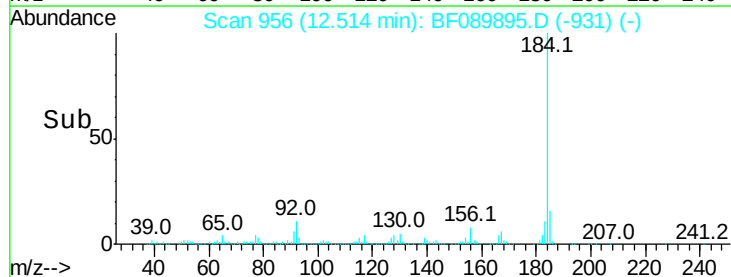
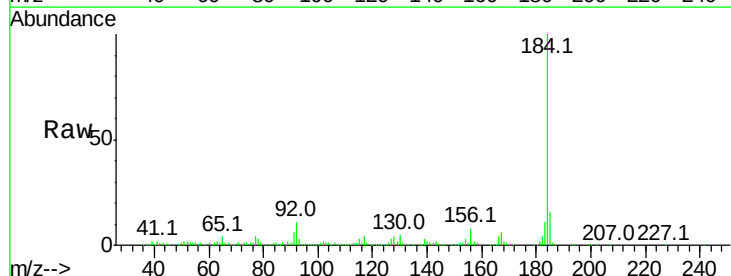
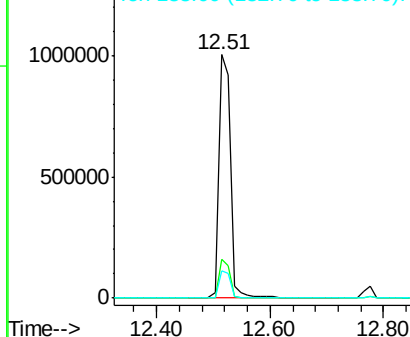
Acq: 25 Aug 2016 2:00

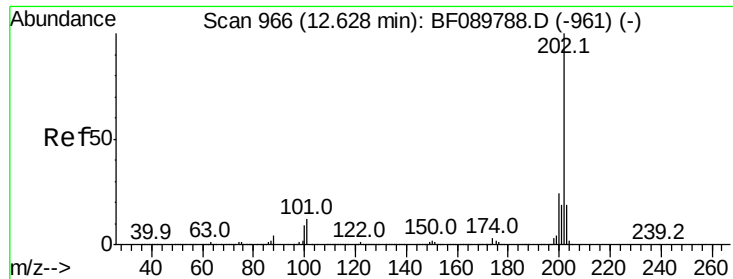
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.8	13.8	20.8
183	11.1	9.7	14.5

Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





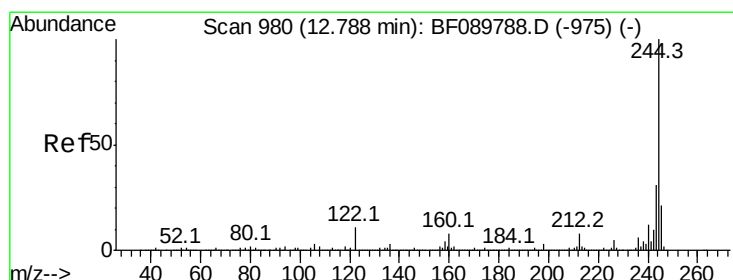
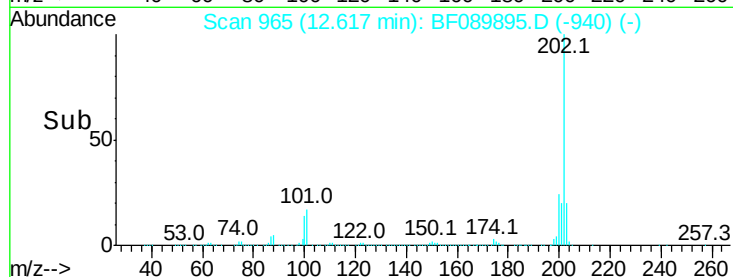
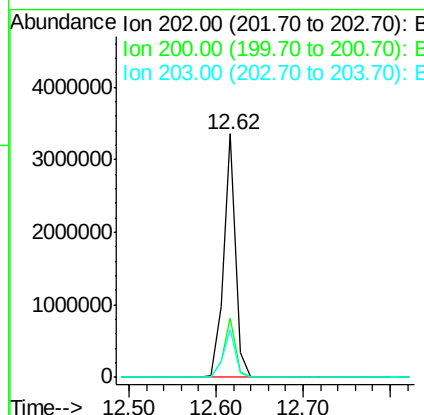
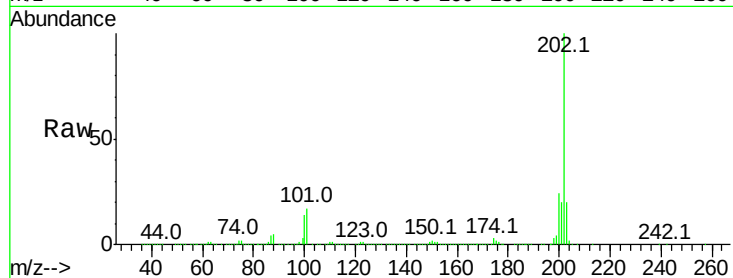
#77
Pvrene
Concen: 32.93 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.4	17.8	26.6
203	19.6	14.2	21.4

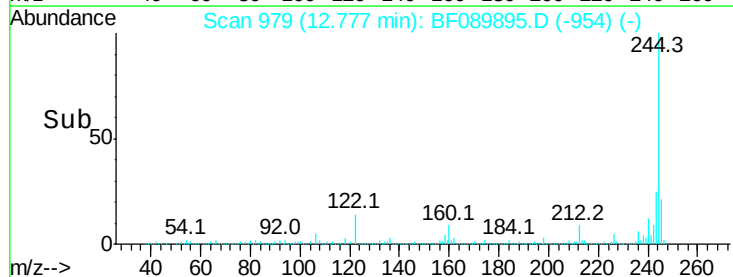
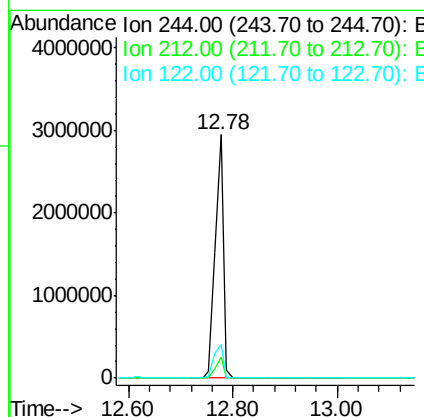
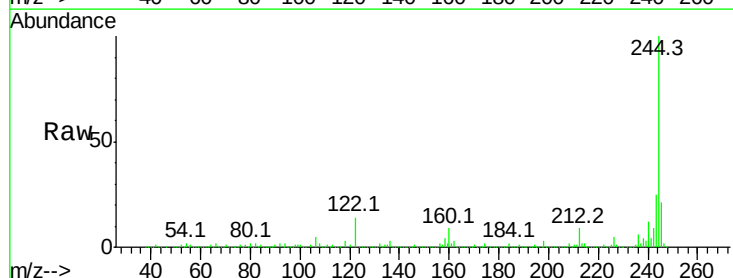
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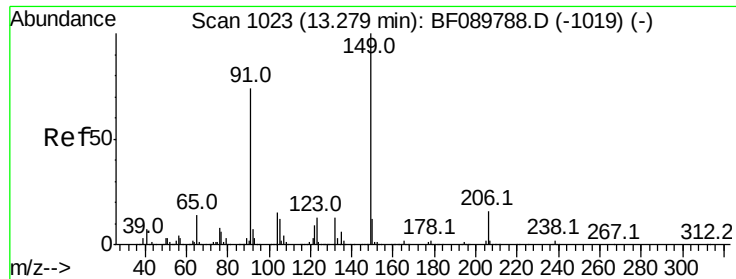
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#78
Terphenyl-d14
Concen: 60.15 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.3	9.5
122	13.9	12.0	18.0





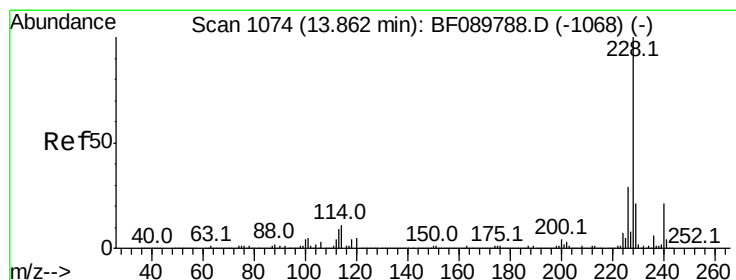
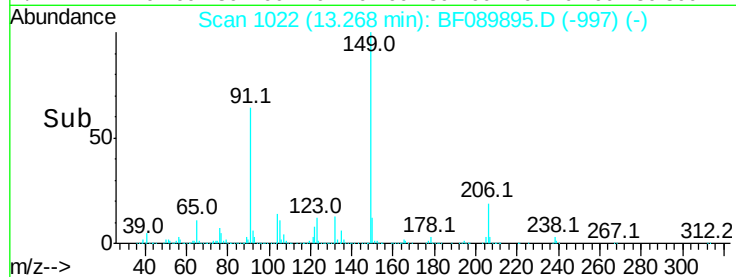
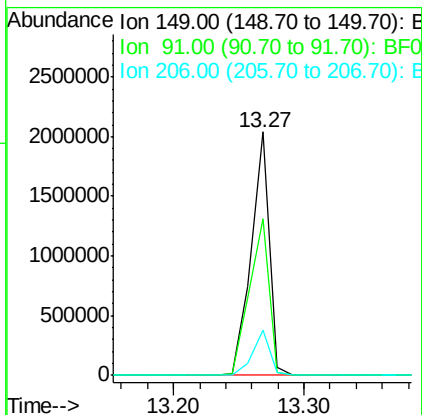
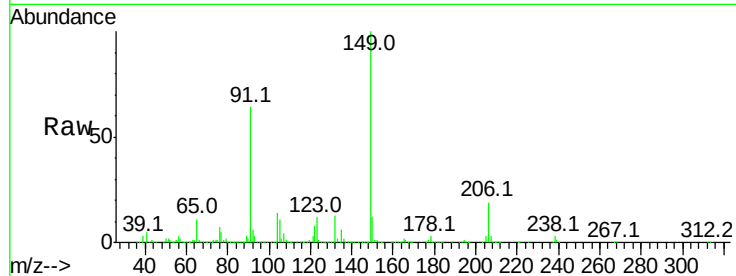
#79
Butylbenzylphthalate
Concen: 44.31 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	64.3	50.7	76.1
206	18.8	15.5	23.3

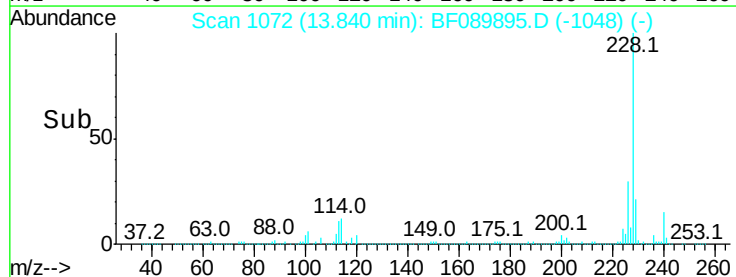
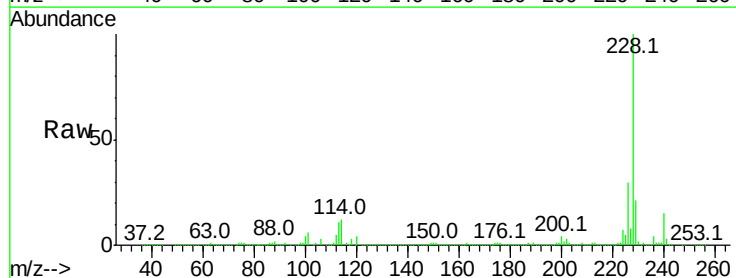
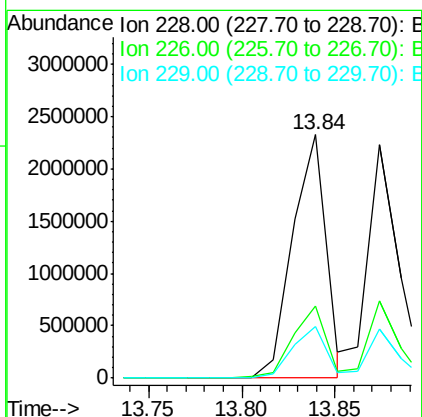
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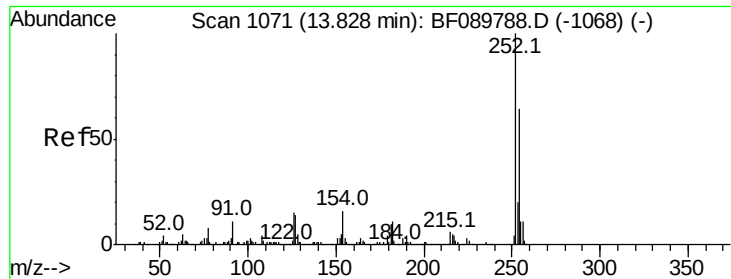
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#80
Benzo(a)anthracene
Concen: 42.31 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	21.2	16.2	24.4





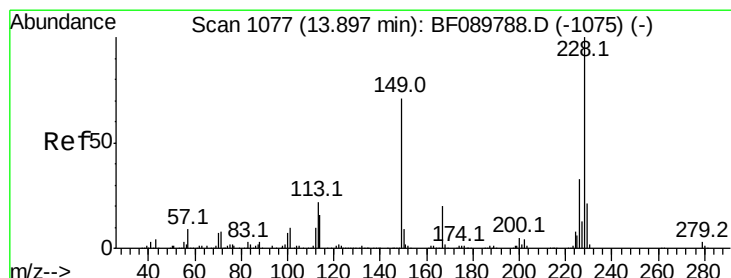
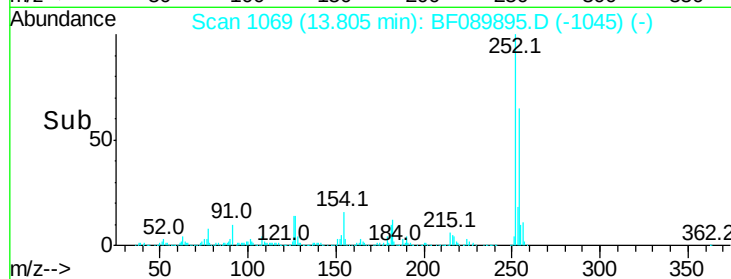
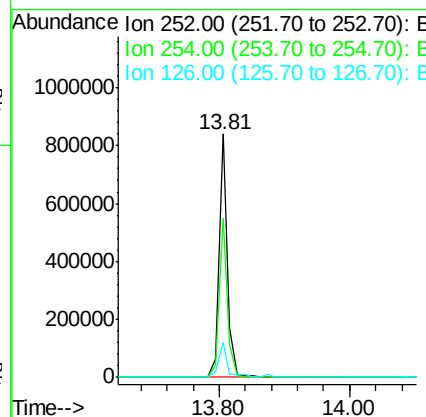
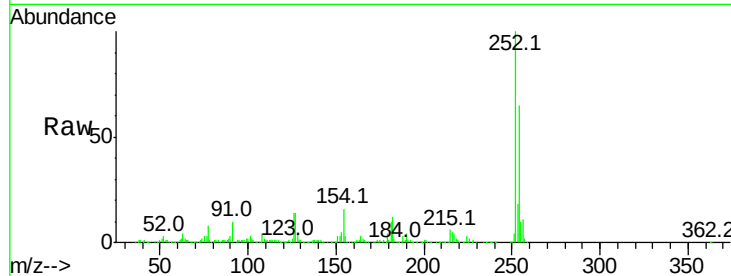
#81
 3,3'-Dichlorobenzidine
 Concen: 33.49 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	760565		
254	65.3		50.6	75.8
126	14.3		12.6	18.8

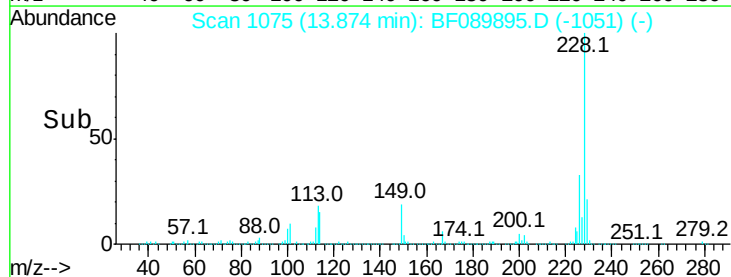
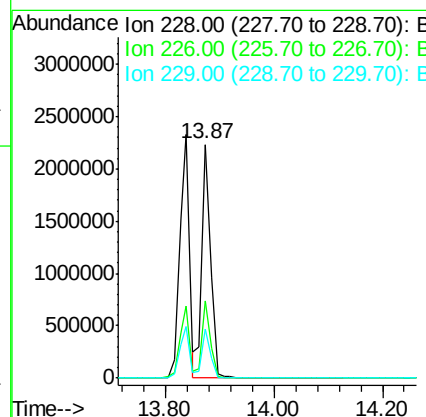
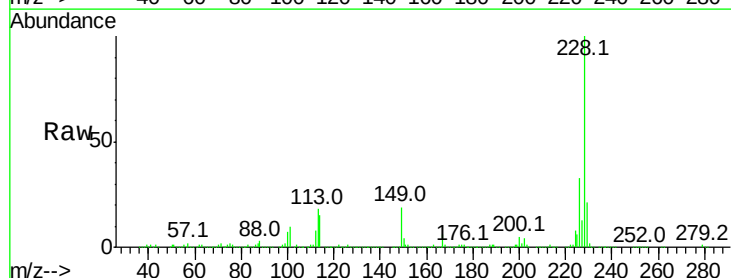
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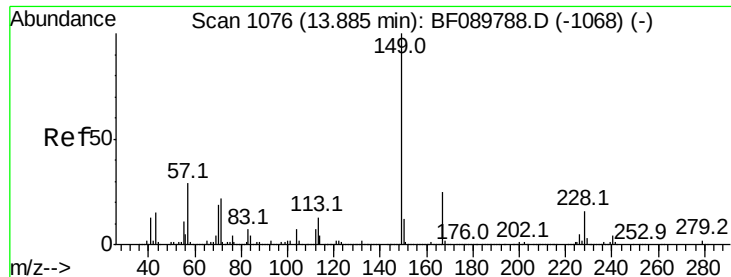
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#82
 Chrysene
 Concen: 41.59 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2469785		
226	33.1		25.4	38.0
229	21.1		16.5	24.7





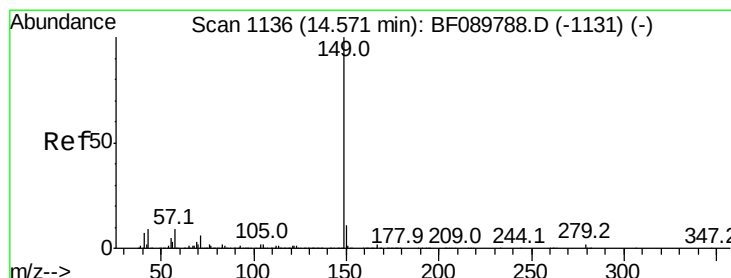
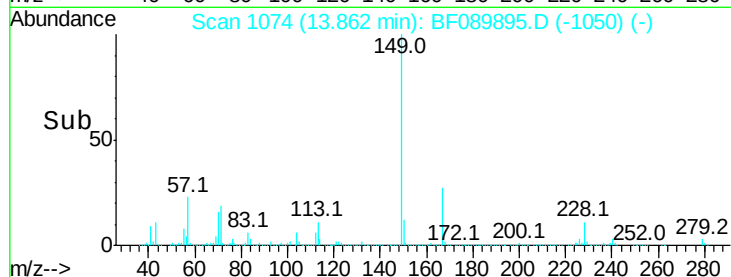
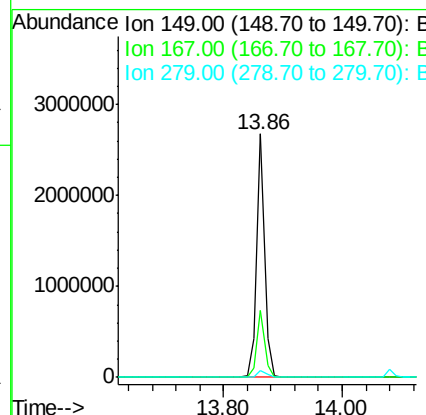
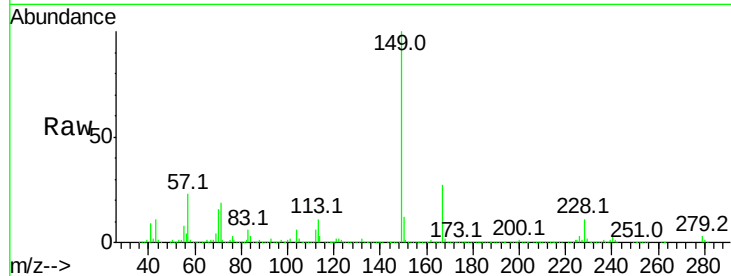
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.22 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion:149 Resp: 2464929
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.2 31.8
 279 2.7 2.9 4.3#

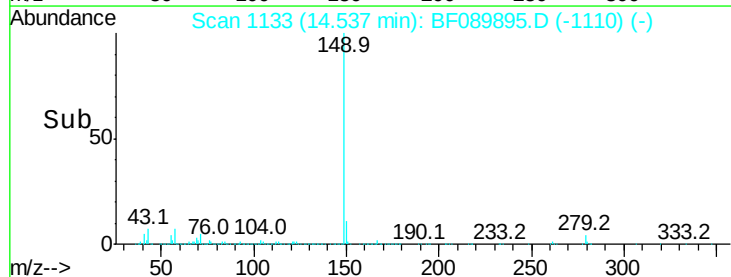
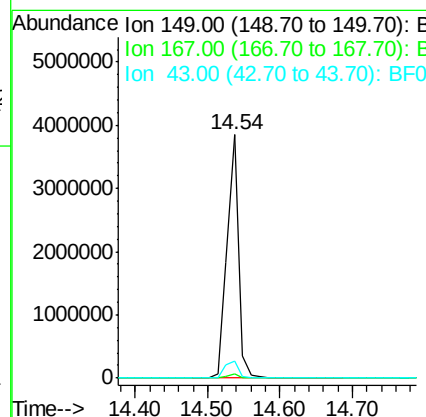
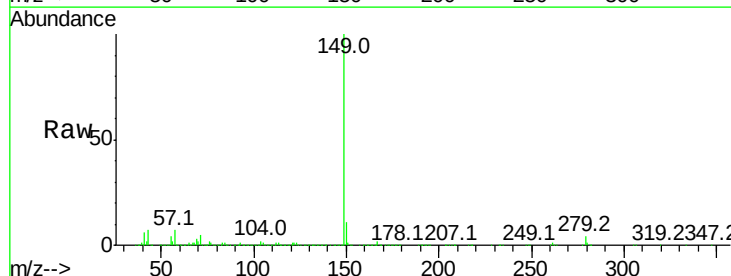
Manual Integrations
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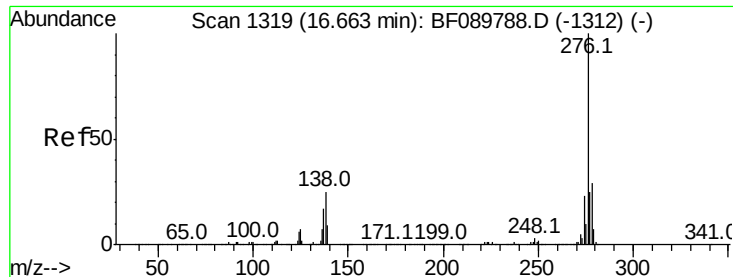
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#84
 Di-n-octyl phthalate
 Concen: 52.19 ng
 RT: 14.54 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:149 Resp: 4249904
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 8.5 8.4 12.6





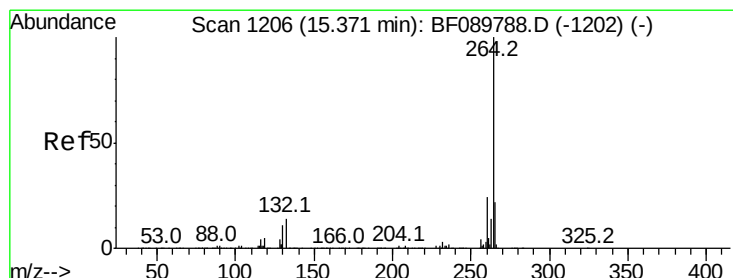
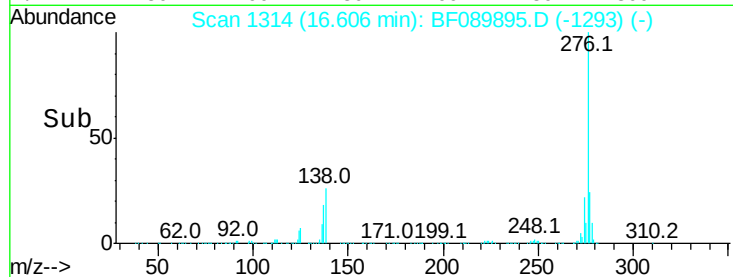
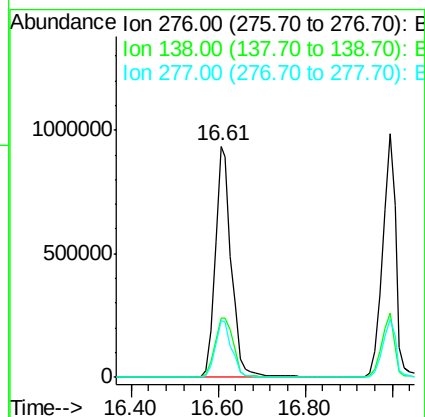
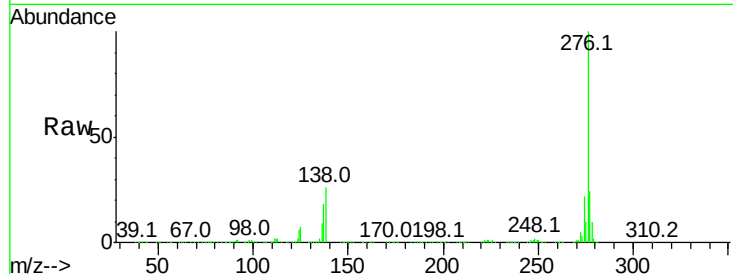
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.59 ng
 RT: 16.61 min Scan# 1314
 Delta R.T. -0.06 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.7	24.6	36.8
277	25.4	20.4	30.6

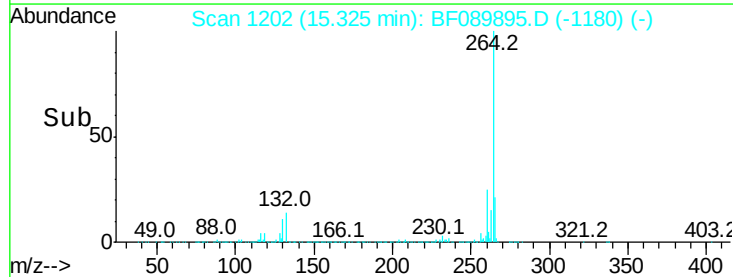
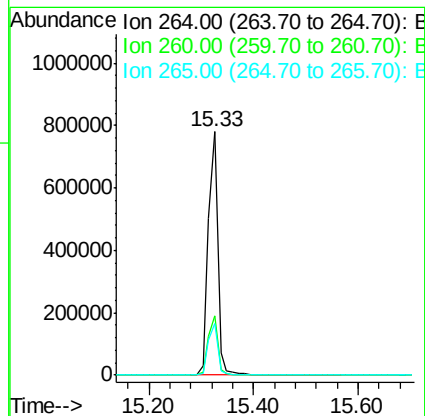
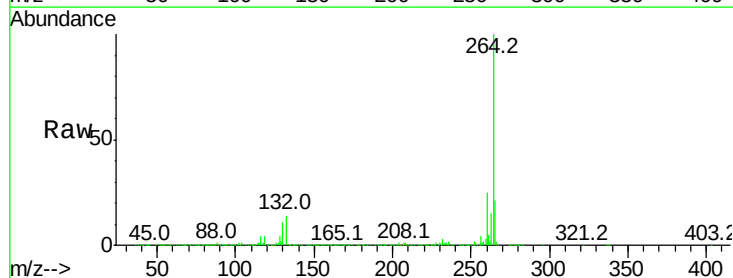
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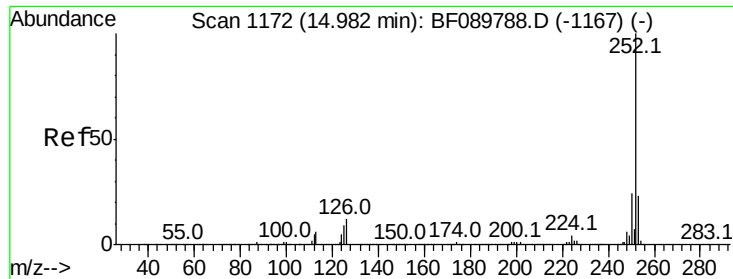
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1202
 Delta R.T. -0.05 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.2	30.2
265	21.5	17.4	26.2





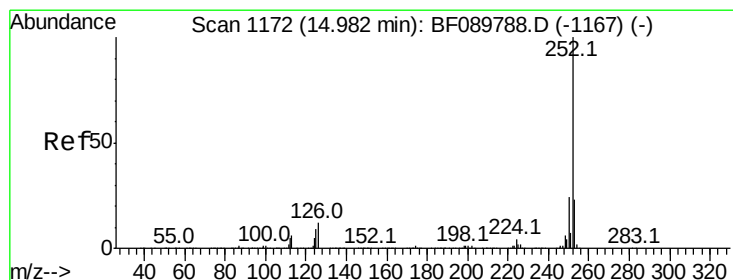
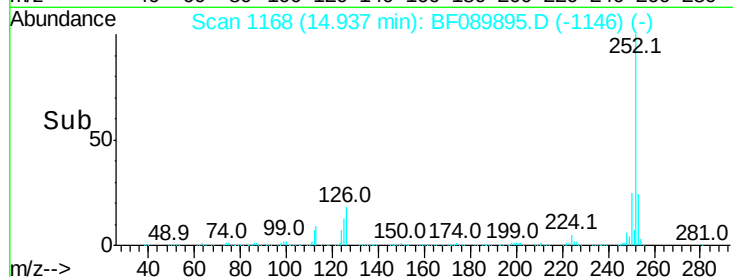
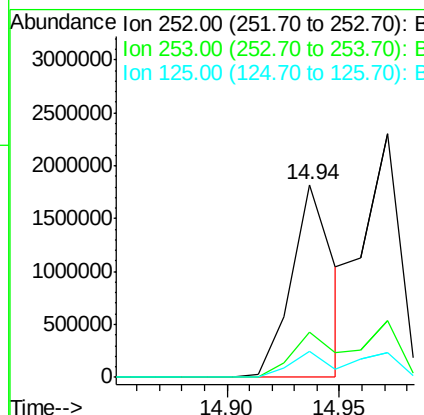
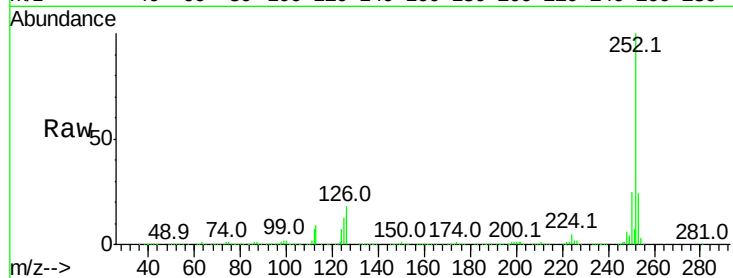
#87
Benzo(b)fluoranthene
Concen: 44.09 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	13.2	11.4	17.2

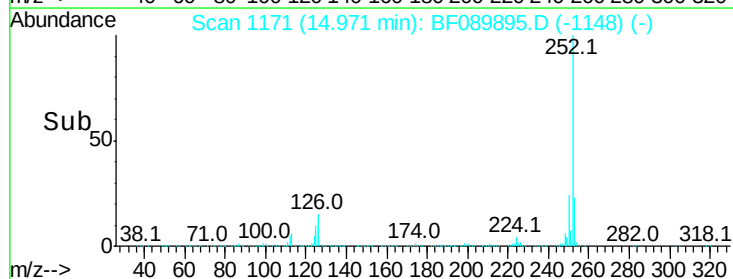
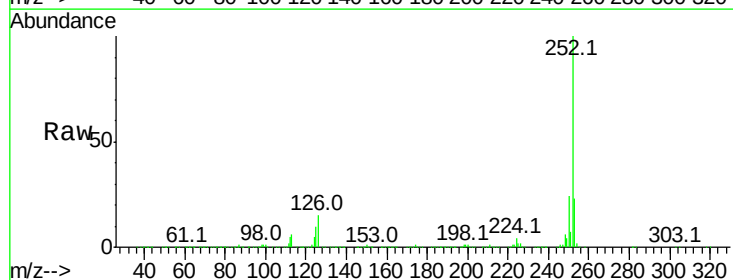
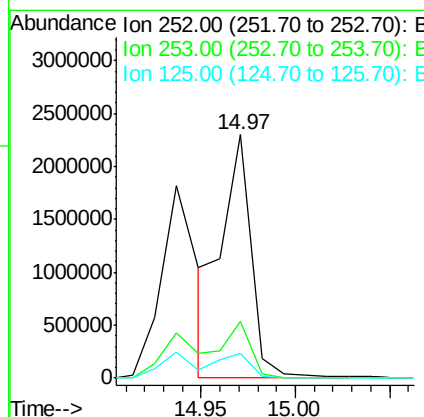
Manual Integrations
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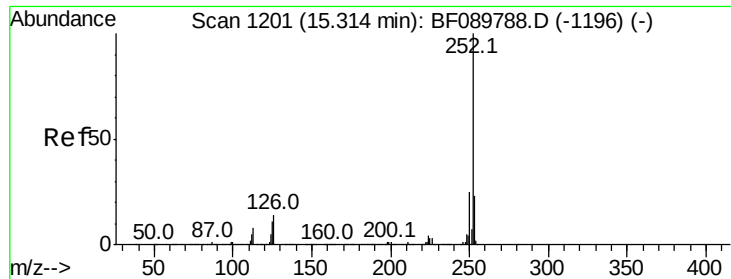
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#88
Benzo(k)fluoranthene
Concen: 52.02 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	10.0	9.8	14.6





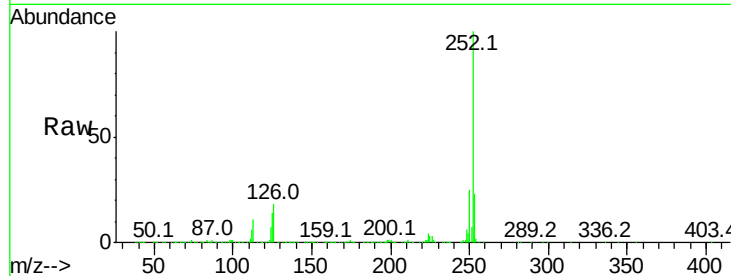
#89
Benzo(a)pyrene
Concen: 43.09 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.05 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

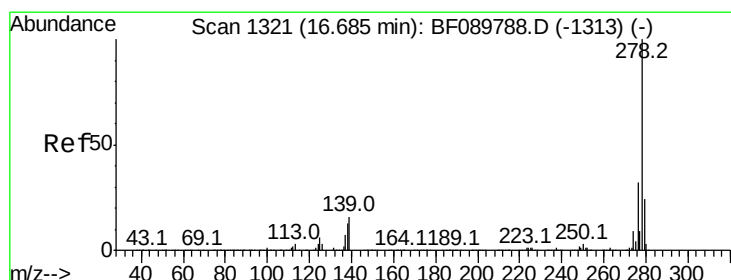
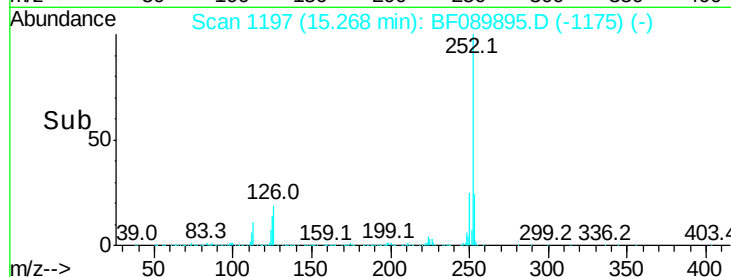
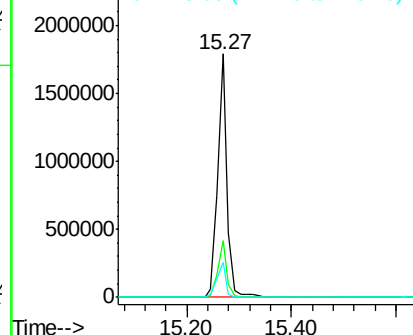
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	14.3	11.7	17.5

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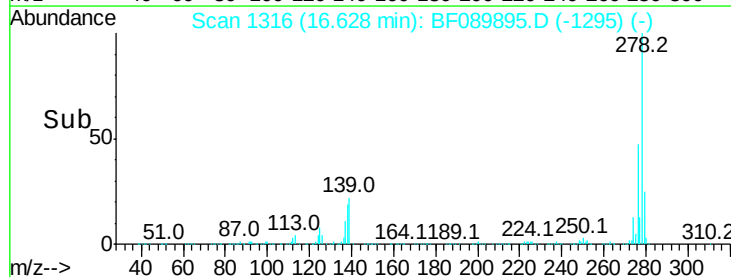
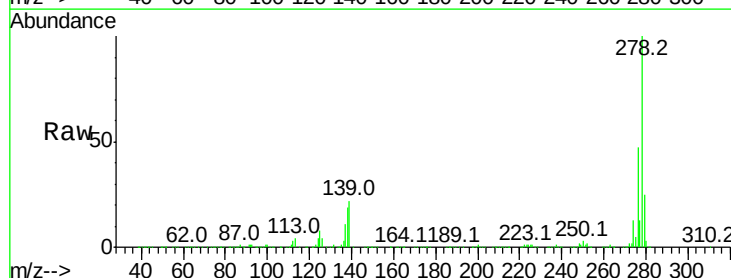
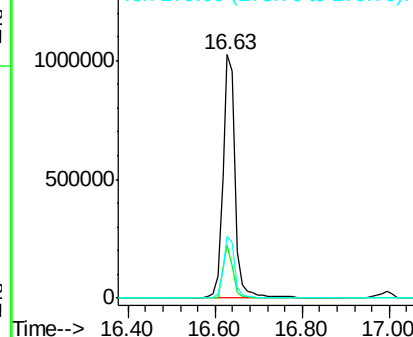
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

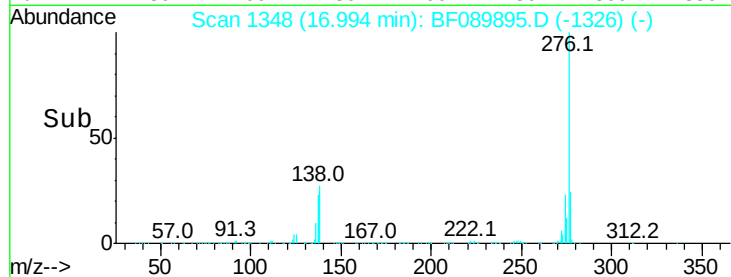
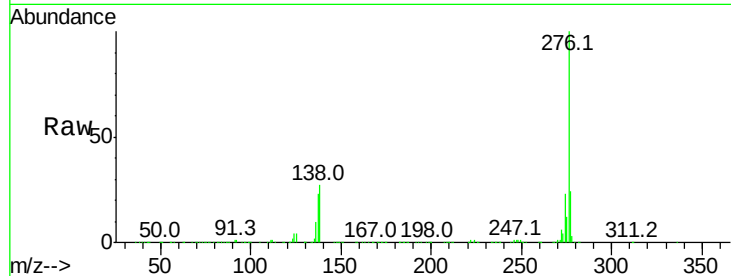
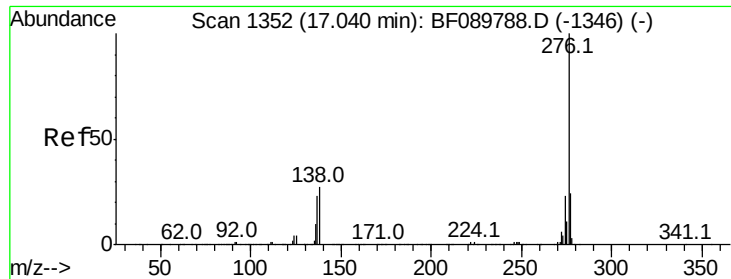


#90
Dibenzo(a,h)anthracene
Concen: 37.20 ng
RT: 16.63 min Scan# 1316
Delta R.T. -0.06 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.7	14.9	22.3
279	25.3	19.2	28.8

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 35.96 ng

RT: 16.99 min Scan# 1348

Delta R.T. -0.05 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tot Ion: 276 Resp: 2103830

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 26.5 22.1 33.1

Manual Integrations
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