

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF089006.D
 Acq On : 15 Jul 2016 1:21
 Operator : UM/SJ
 Sample : H3972-17MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Manual Integrations

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 Sohil
 7/15/2016 9:16:43 AM

Quant Time: Jul 15 15:09:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	48854	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	189606	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	75486	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	136095	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	94452	20.00	ng	-0.02
86) Perylene-d12	15.20	264	68276	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	391750	120.18	ng	0.00
7) Phenol-d6	6.35	99	524771	124.59	ng	0.00
23) Nitrobenzene-d5	7.26	82	300081	82.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	84392	120.39	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	428671	89.70	ng	-0.02
78) Terphenyl-d14	12.78	244	333641	78.68	ng	-0.02

Target Compounds

						Qvalue
3) Pyridine	2.84	79	135763	28.95	ng	93
4) n-Nitrosodimethylamine	2.80	42	72321	40.37	ng	95
6) Aniline	6.43	93	250507	40.81	ng	# 57
8) 2-Chlorophenol	6.48	128	154804	44.19	ng	96
9) Benzaldehyde	6.23	77	73524	25.77	ng	86
10) Phenol	6.36	94	219839	45.73	ng	88
11) bis(2-Chloroethyl)ether	6.43	93	250507	69.88	ng	86
12) 1,3-Dichlorobenzene	6.63	146	149964	38.90	ng	96
13) 1,4-Dichlorobenzene	6.71	146	164336	42.95	ng	96
14) 1,2-Dichlorobenzene	6.86	146	137069	38.27	ng	# 85
15) Benzyl Alcohol	6.84	79	144579	46.64	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.98	45	175149	33.74	ng	82
17) 2-Methylphenol	6.97	107	123583	43.24	ng	# 93
18) Hexachloroethane	7.20	117	32461	21.93	ng	# 82
19) n-Nitroso-di-n-propylamine	7.12	70	116560	41.20	ng	90
20) 3+4-Methylphenols	7.12	107	153973	44.89	ng	# 79
22) Acetophenone	7.11	105	221407	48.11	ng	# 94
24) Nitrobenzene	7.28	77	177721	48.72	ng	# 84
25) Isophorone	7.52	82	276801	41.30	ng	95
26) 2-Nitrophenol	7.60	139	53818	35.98	ng	# 81
27) 2,4-Dimethylphenol	7.64	122	111741	35.86	ng	87
28) bis(2-Chloroethoxy)methane	7.74	93	188475	43.21	ng	# 95
29) 2,4-Dichlorophenol	7.84	162	99498	39.51	ng	92
30) 1,2,4-Trichlorobenzene	7.92	180	116169	42.04	ng	98
31) Naphthalene	8.00	128	433103	46.33	ng	99
33) 4-Chloroaniline	8.07	127	80640	19.39	ng	97
34) Hexachlorobutadiene	8.12	225	62755	42.41	ng	99
35) Caprolactam	8.42	113	33405	39.06	ng	# 69
36) 4-Chloro-3-methylphenol	8.55	107	121586	40.83	ng	97
37) 2-Methylnaphthalene	8.68	142	226591	37.65	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	109378	43.56	ng	# 1
42) 2,4,6-Trichlorophenol	8.97	196	70022	42.30	ng	98
43) 2,4,5-Trichlorophenol	9.02	196	71721	50.36	ng	# 94
45) 1,1'-Biphenyl	9.15	154	311894	49.90	ng	97

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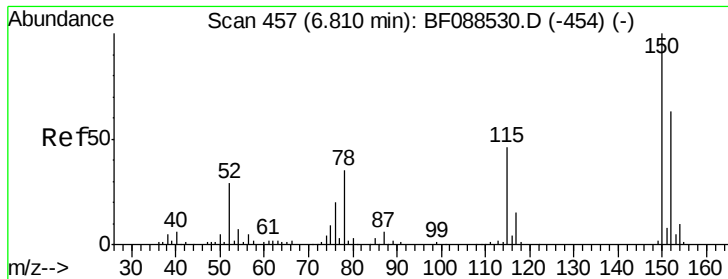
Manual Integrations

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 Sohil
 7/15/2016 9:16:43 AM

Quant Time: Jul 15 15:09:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 2-Chloronaphthalene	9.18	162	232951	47.47	nq	97
47) 2-Nitroaniline	9.27	65	68688	39.44	nq	94
48) Acenaphthylene	9.59	152	366388	46.93	nq	99
49) Dimethylphthalate	9.46	163	351176	65.30	nq	98
50) 2,6-Dinitrotoluene	9.52	165	49778	41.76	nq	91
51) Acenaphthene	9.76	154	216920	45.32	nq	98
52) 3-Nitroaniline	9.68	138	50747	33.49	nq	90
54) Dibenzofuran	9.93	168	304930	48.68	nq	94
55) 4-Nitrophenol	9.86	139	82542	71.69	nq	93
56) 2,4-Dinitrotoluene	9.92	165	58629	37.62	nq #	65
57) Fluorene	10.27	166	227636	47.15	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.06	232	48427	43.95	nq #	50
59) Diethylphthalate	10.16	149	251929	46.68	nq	97
60) 4-Chlorophenyl-phenylether	10.26	204	93875	41.85	nq #	87
61) 4-Nitroaniline	10.28	138	56383	38.67	nq #	76
62) Azobenzene	10.42	77	269465	43.77	nq	96
64) 4,6-Dinitro-2-methylphenol	10.32	198	1715	2.36	nq #	44
65) n-Nitrosodiphenylamine	10.39	169	205192	44.55	nq	99
66) 4-Bromophenyl-phenylether	10.75	248	58100	42.36	nq	95
67) Hexachlorobenzene	10.82	284	53267	35.09	nq #	73
68) Atrazine	10.91	200	50214	34.99	nq	90
69) Pentachlorophenol	11.02	266	60691	67.55	nq	98
70) Phenanthrene	11.22	178	436466	58.67	nq	99
71) Anthracene	11.28	178	412605	55.78	nq	98
72) Carbazole	11.43	167	295941	42.51	nq	99
73) Di-n-butylphthalate	11.77	149	383193	47.32	nq	99
74) Fluoranthene	12.41	202	761894	101.02	nq	97
77) Pvrene	12.64	202	736929	92.02	nq	99
79) Butylbenzylphthalate	13.26	149	162723	45.55	nq #	74
80) Benzo(a)anthracene	13.82	228	429101	70.55	nq	98
81) 3,3'-Dichlorobenzidine	13.78	252	41490	18.14	nq #	96
82) Chrysene	13.85	228	306509	50.94	nq	97
83) Bis(2-ethylhexyl)phthalate	13.83	149	261963	64.23	nq #	98
84) Di-n-octyl phthalate	14.43	149	358721	51.77	nq #	100
85) Indeno(1,2,3-cd)pvrene	16.49	276	234621	50.68	nq #	100
87) Benzo(b)fluoranthene	14.82	252	351367m	82.04	nq	
88) Benzo(k)fluoranthene	14.85	252	226950m	60.87	nq	
89) Benzo(a)pyrene	15.14	252	287437	79.26	nq	99
90) Dibenzo(a,h)anthracene	16.50	278	161298	53.27	nq	98
91) Benzo(g,h,i)perylene	16.88	276	201297	64.24	nq	97

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



#1

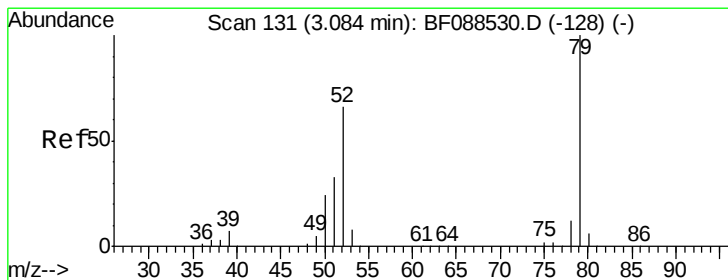
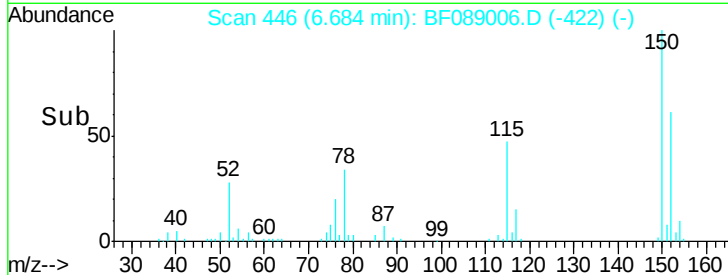
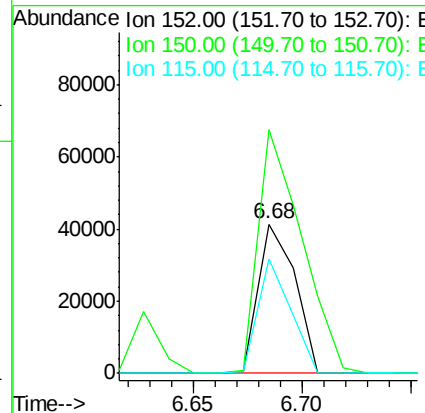
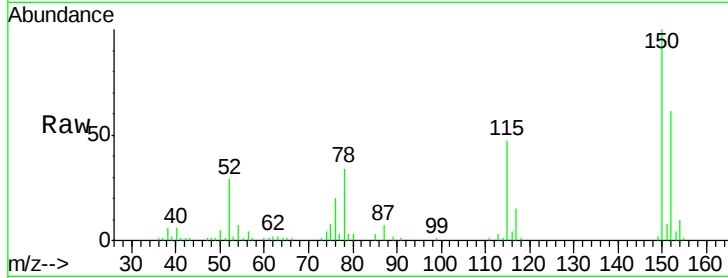
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	123.8	185.6
115	76.2	39.6	59.4

Manual Integrations

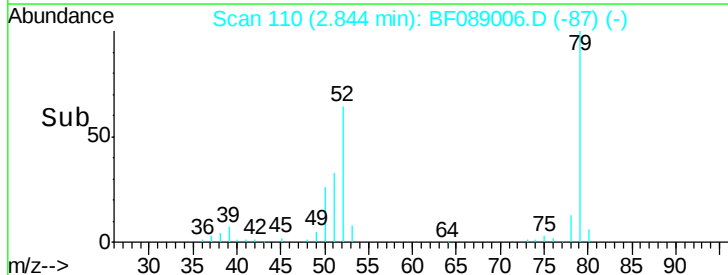
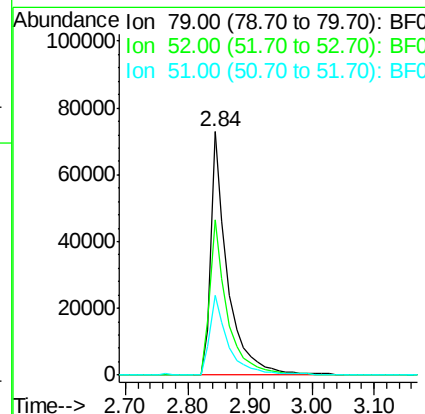
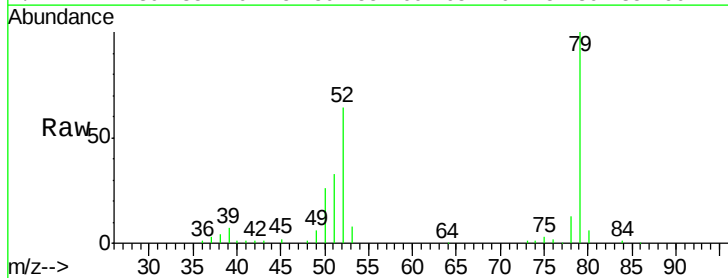
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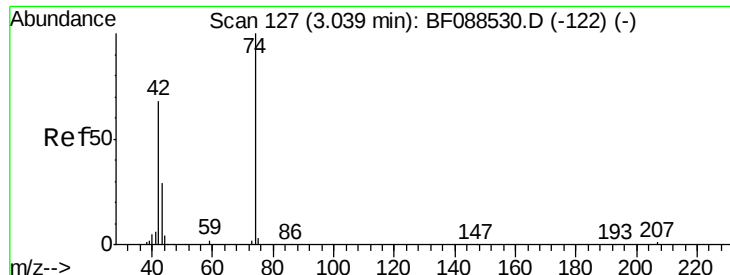


#3

Pyridine
Concen: 28.95 ng
RT: 2.84 min Scan# 110
Delta R.T. -0.03 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
79	100		
52	63.5	56.3	84.5
51	32.6	27.4	41.2





#4

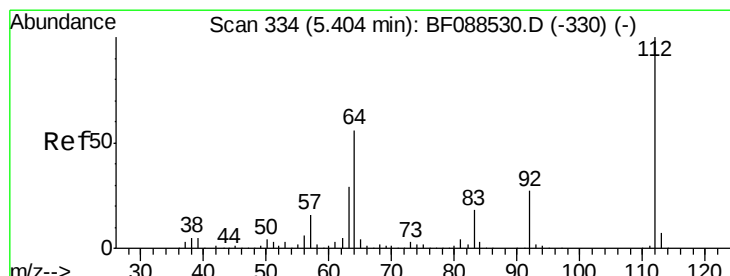
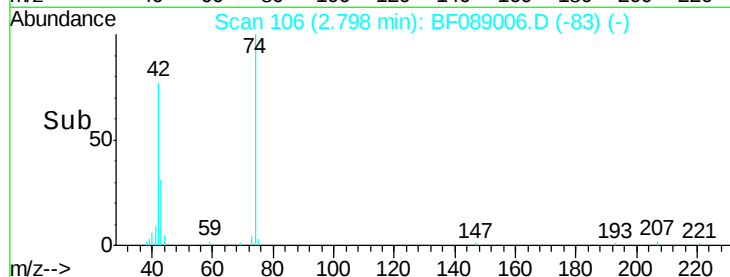
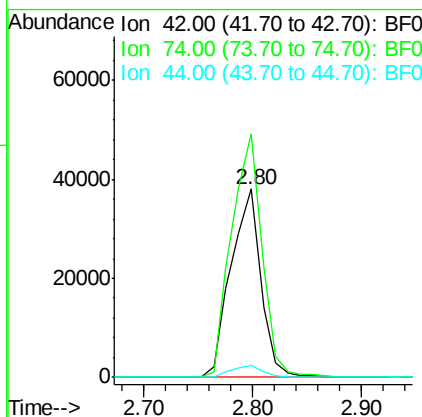
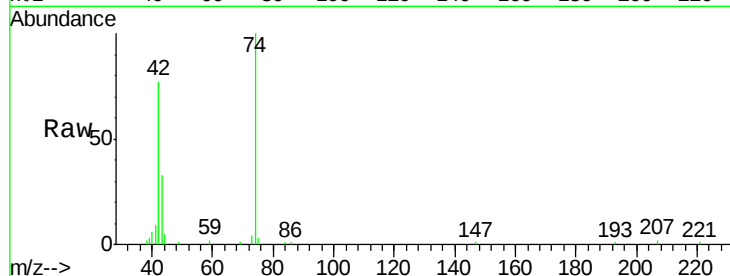
n-Nitrosodimethylamine
 Concen: 40.37 ng
 RT: 2.80 min Scan# 106
 Delta R.T. -0.03 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
74	129.4	108.6	163.0
44	6.4	5.5	8.3

Manual Integrations

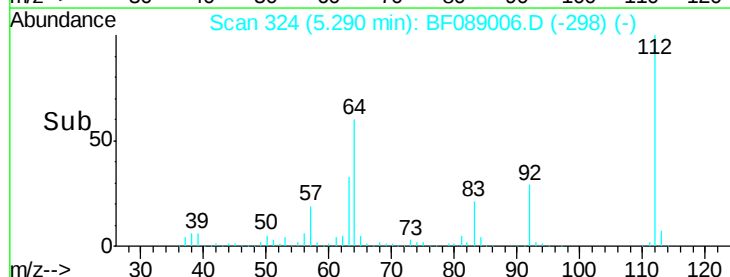
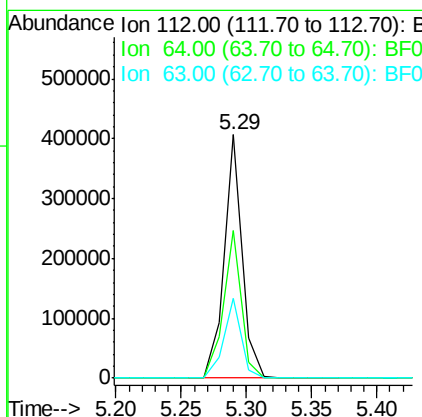
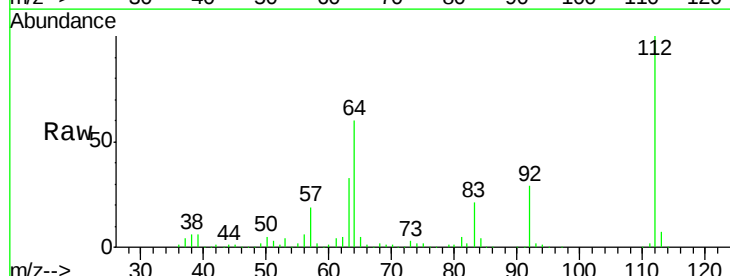
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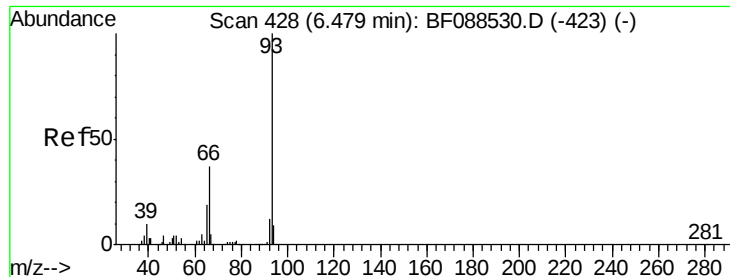


#5

2-Fluorophenol
 Concen: 120.18 ng
 RT: 5.29 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	42.2	63.2
63	32.5	21.8	32.8





#6

Aniline

Concen: 40.81 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.06 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

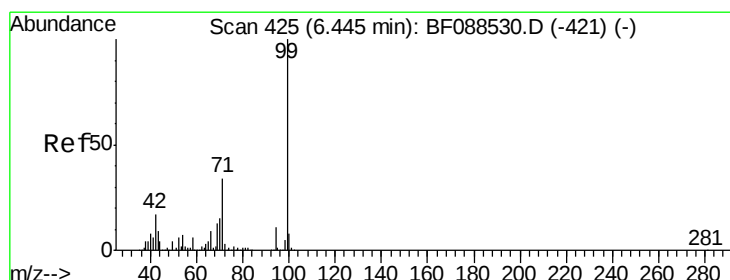
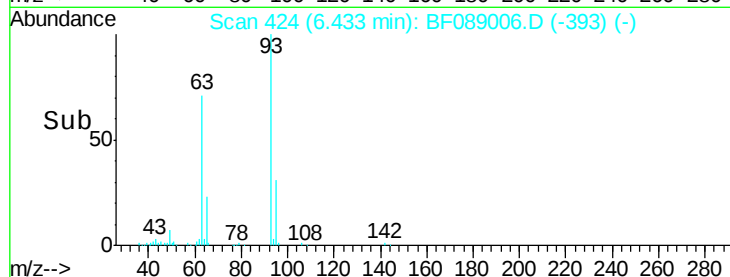
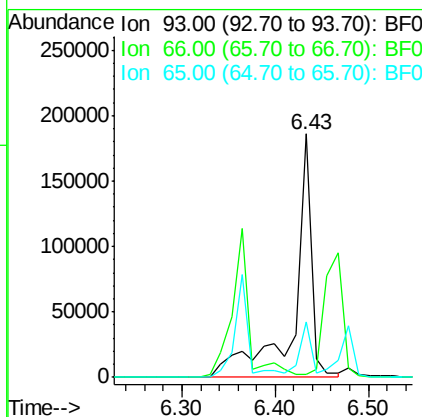
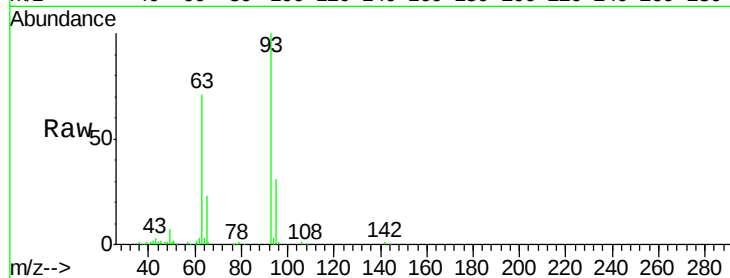
LSS-SS-SS04(0-2in)MSD

Tot Ion:	93	Resp:	250507
Ion Ratio	Lower	Upper	
93	100		
66	1.4	29.8	44.8#
65	22.9	14.9	22.3#

Manual Integrations

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#7

Phenol-d6

Concen: 124.59 ng

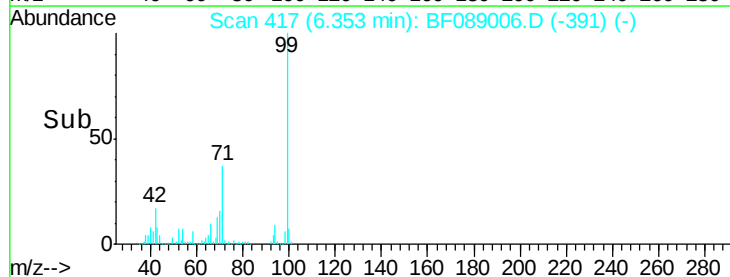
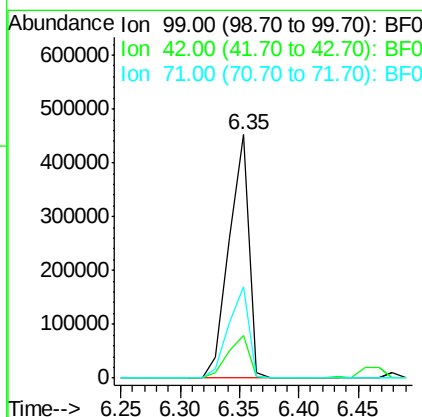
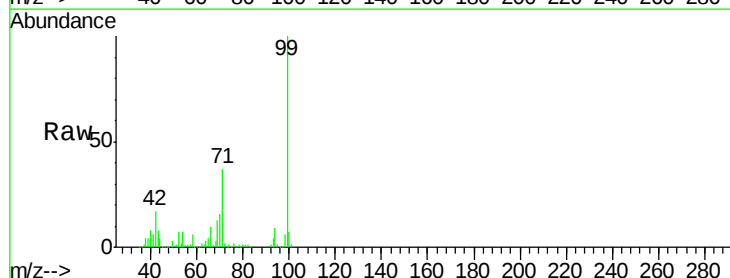
RT: 6.35 min Scan# 417

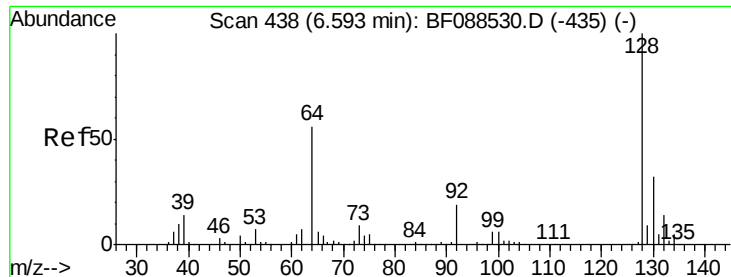
Delta R.T. 0.00 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion:	99	Resp:	524771
Ion Ratio	Lower	Upper	
99	100		
42	17.5	12.2	18.2
71	37.3	23.4	35.0#





#8

2-Chlorophenol

Concen: 44.19 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:128 Resp: 154804

Ion Ratio Lower Upper

128 100

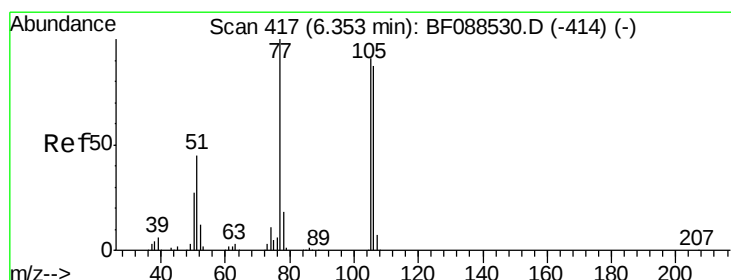
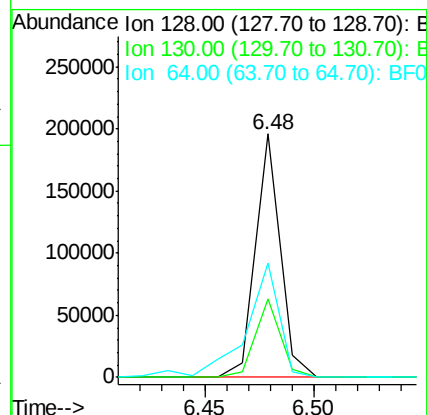
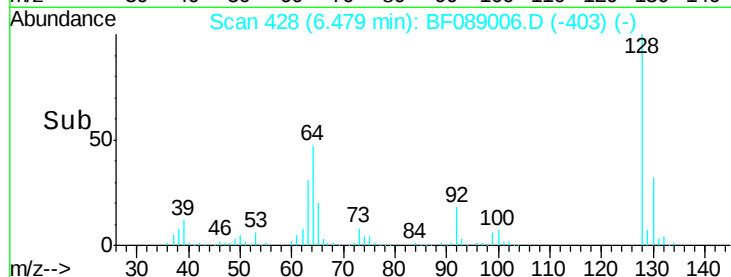
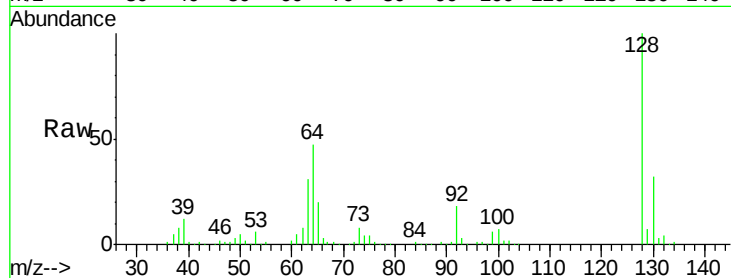
130 32.3 12.0 52.0

64 47.1 30.8 70.8

Manual Integrations

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#9

Benzaldehyde

Concen: 25.77 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

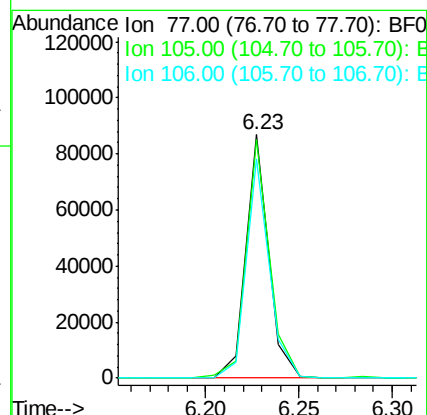
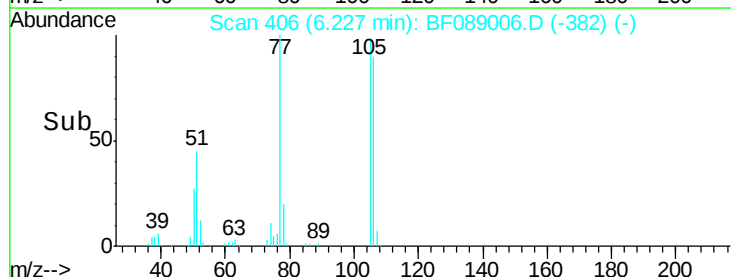
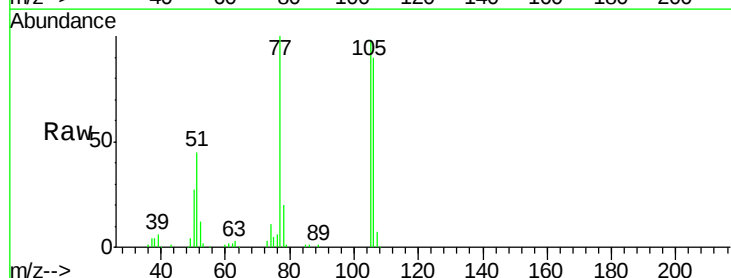
Tgt Ion: 77 Resp: 73524

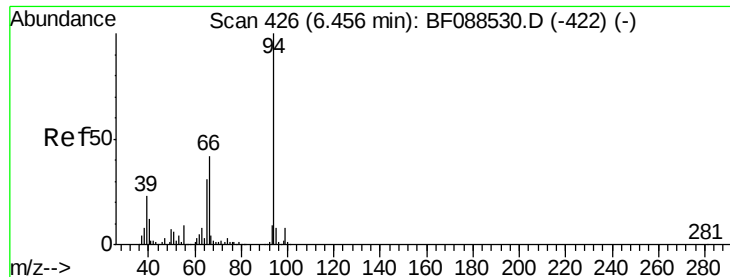
Ion Ratio Lower Upper

77 100

105 97.7 90.6 130.6

106 89.9 85.3 125.3





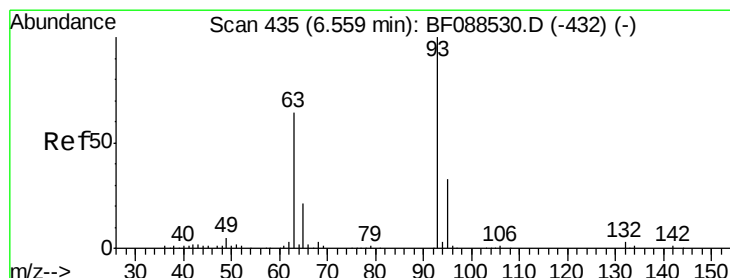
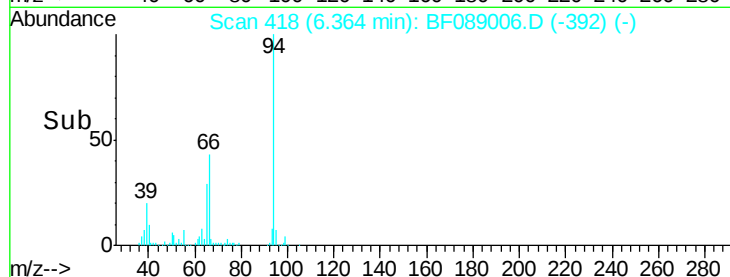
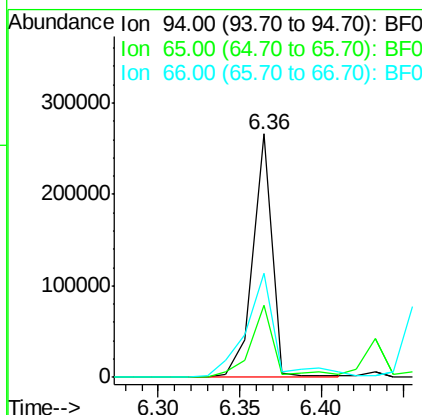
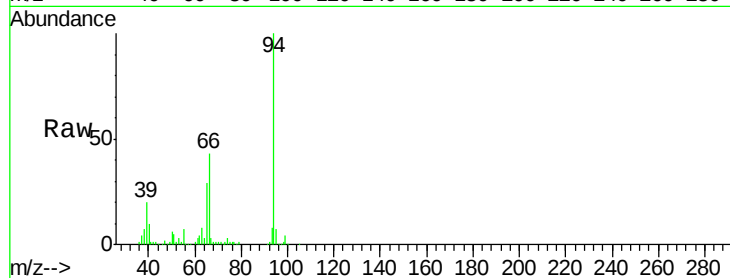
#10
Phenol
Concen: 45.73 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
65	29.4	5.9	45.9	
66	42.9	14.0	54.0	

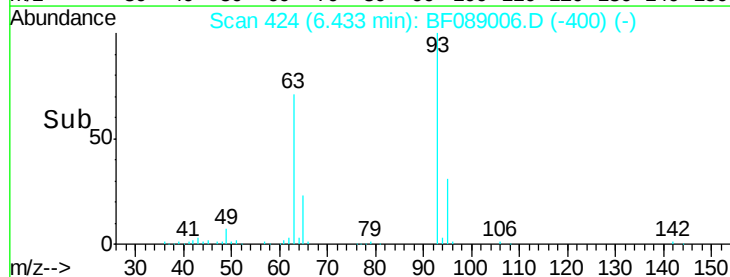
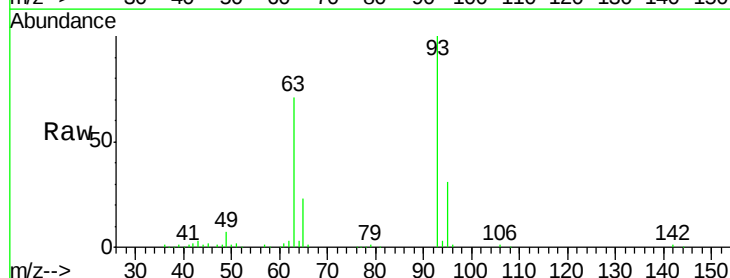
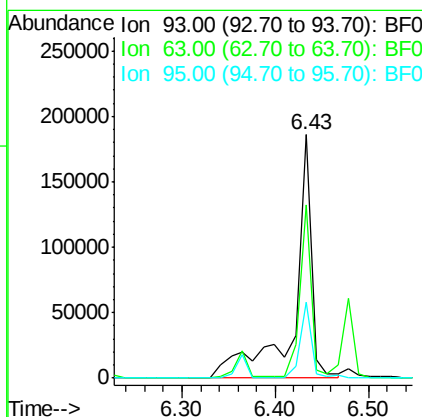
Manual Integrations

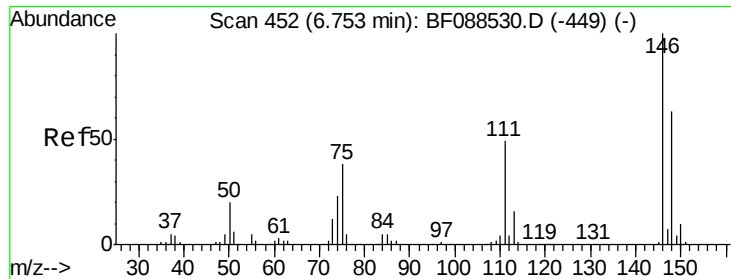
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7/15/2016 9:16:43 AM



#11
bis(2-Chloroethyl)ether
Concen: 69.88 ng
RT: 6.43 min Scan# 424
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ion	Ratio	Lower	Upper
93	100			
63	71.0	67.6	107.6	
95	31.0	12.5	52.5	





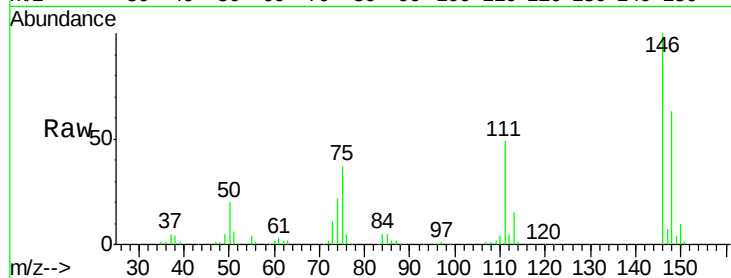
#12
 1,3-Dichlorobenzene
 Concen: 38.90 ng
 RT: 6.63 min Scan# 441
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

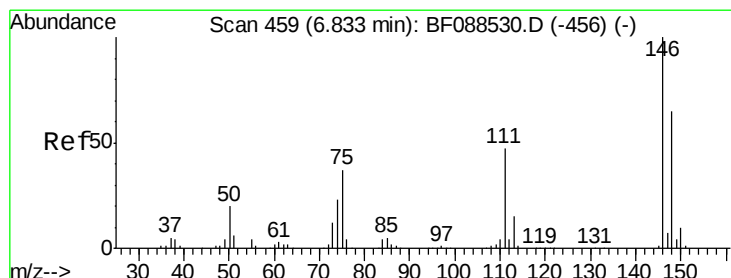
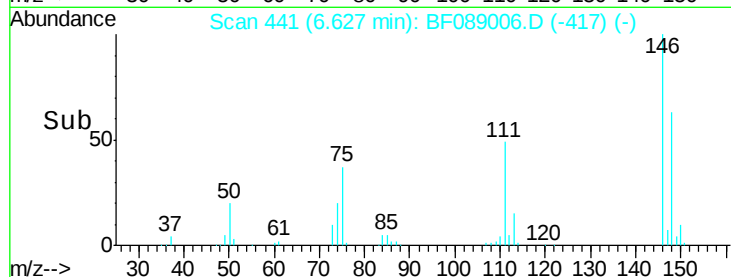
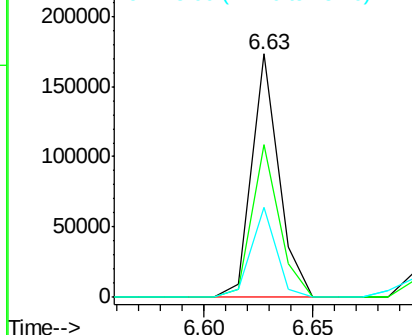
Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.9	76.3
75	37.2	25.6	38.4

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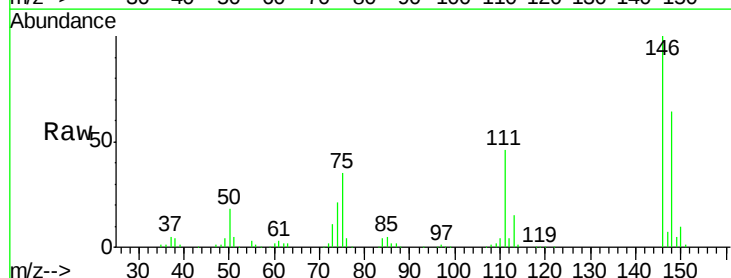


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

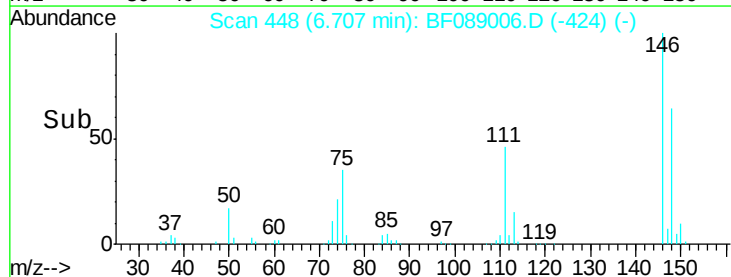
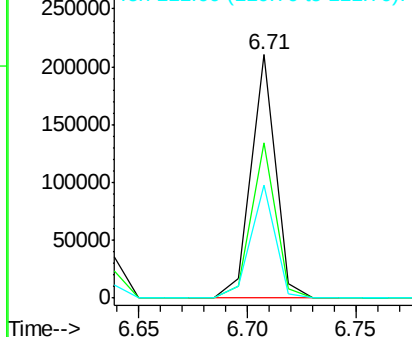


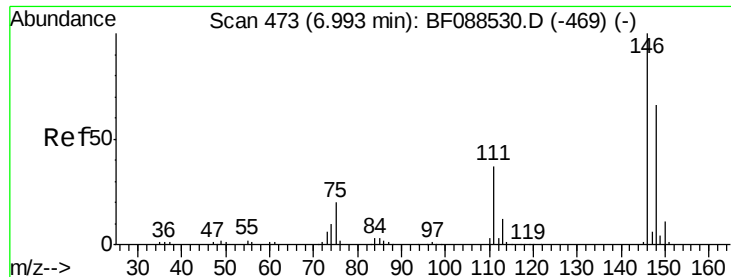
#13
 1,4-Dichlorobenzene
 Concen: 42.95 ng
 RT: 6.71 min Scan# 448
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.0	78.0
111	46.4	33.8	50.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





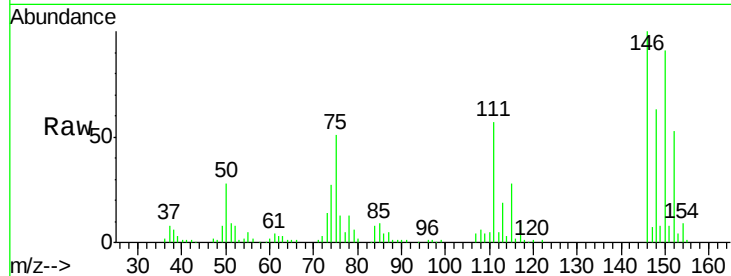
#14
1,2-Dichlorobenzene
Concen: 38.27 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

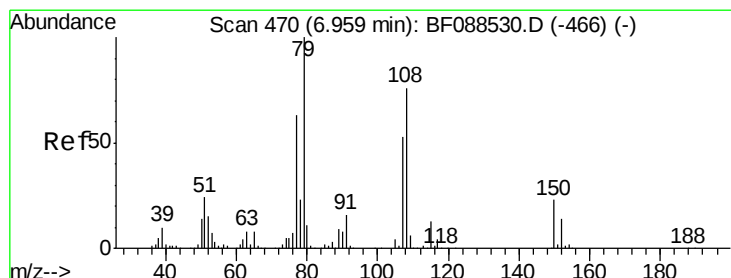
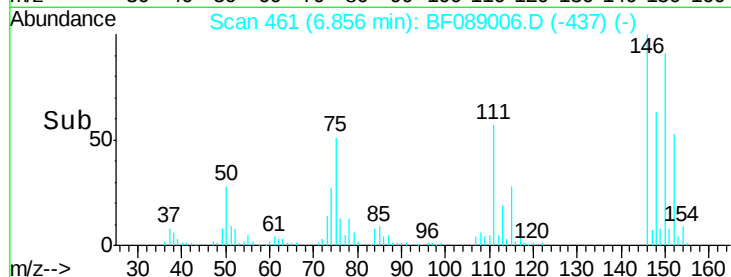
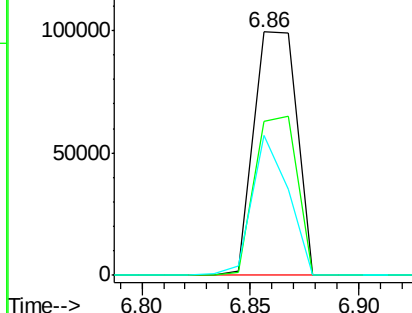
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.3	78.5
111	57.4	28.7	43.1

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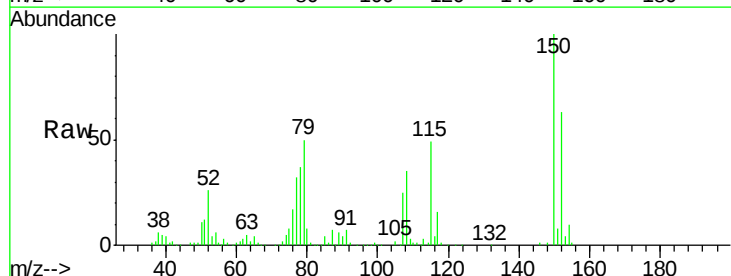


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

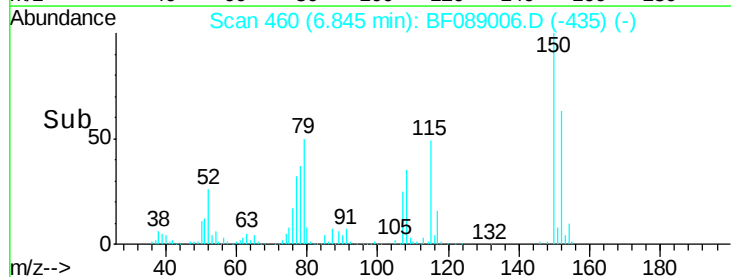
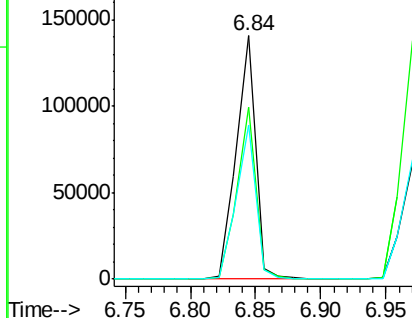


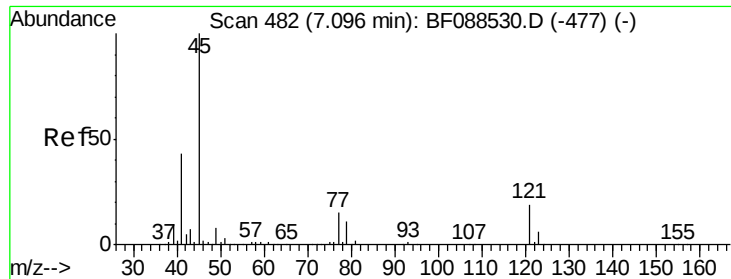
#15
Benzyl Alcohol
Concen: 46.64 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
79	100		
108	70.4	65.0	97.6
77	63.3	50.3	75.5



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0





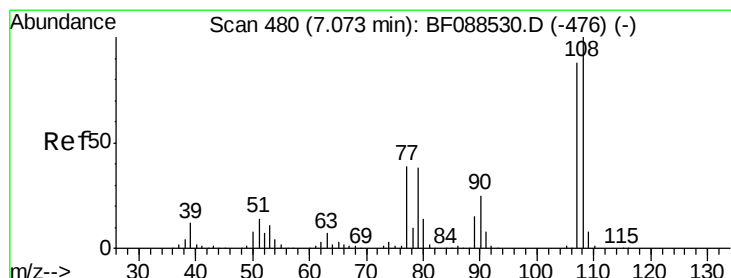
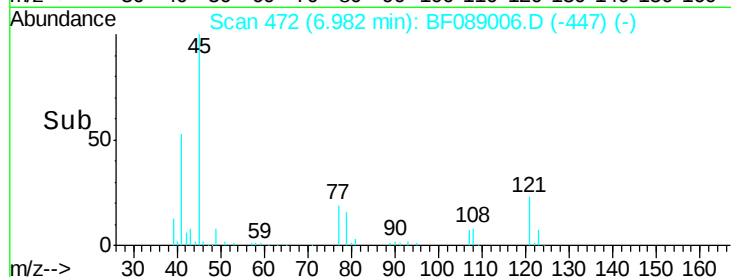
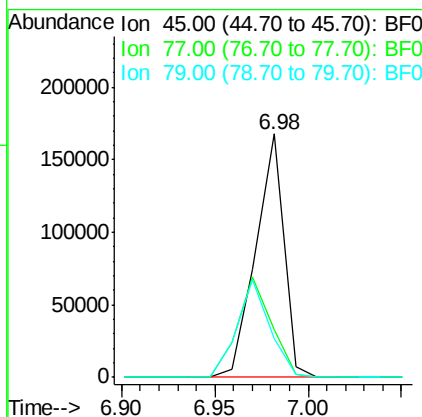
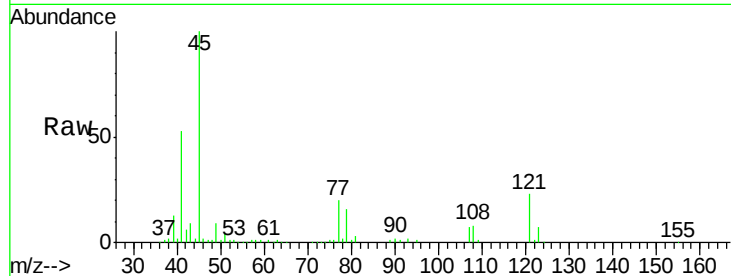
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 33.74 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
45	100		
77	19.9	0.0	32.5
79	16.1	0.0	29.5

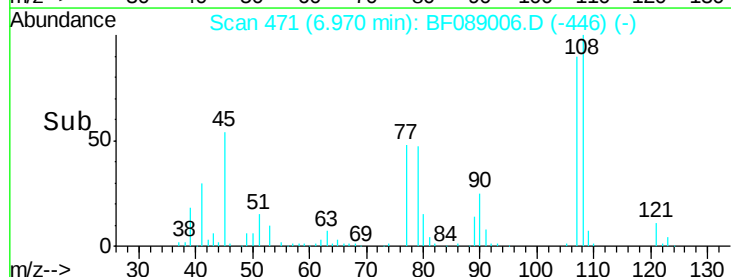
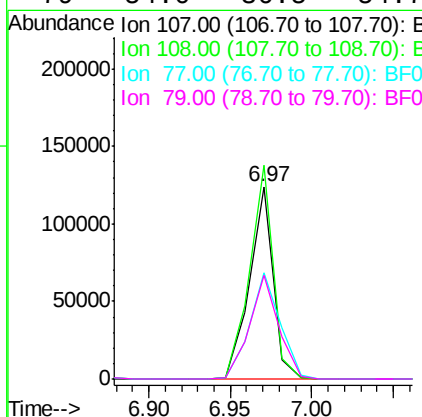
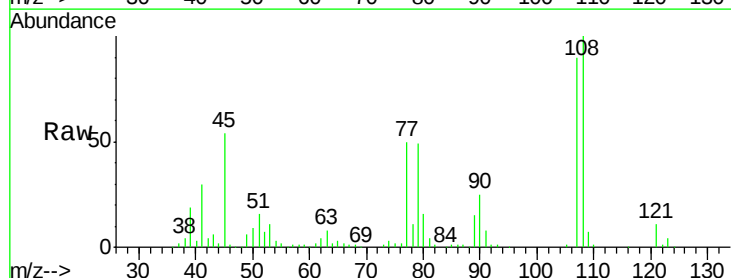
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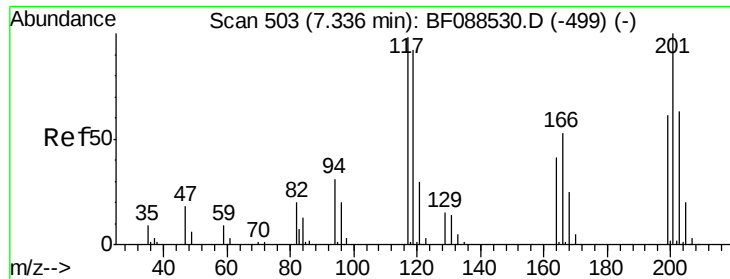
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#17
2-Methylphenol
Concen: 43.24 ng
RT: 6.97 min Scan# 471
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.9	136.3
77	55.4	36.6	55.0#
79	54.0	36.5	54.7





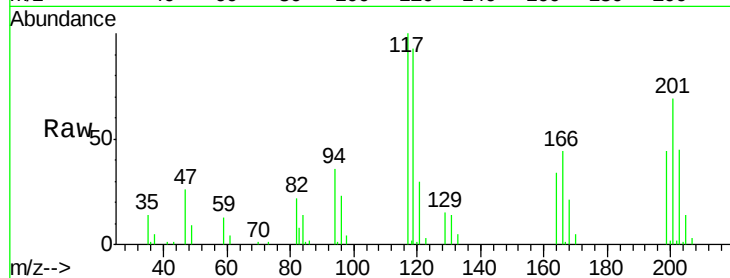
#18
Hexachloroethane
Concen: 21.93 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

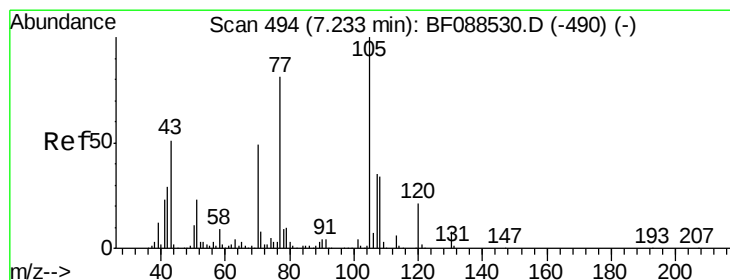
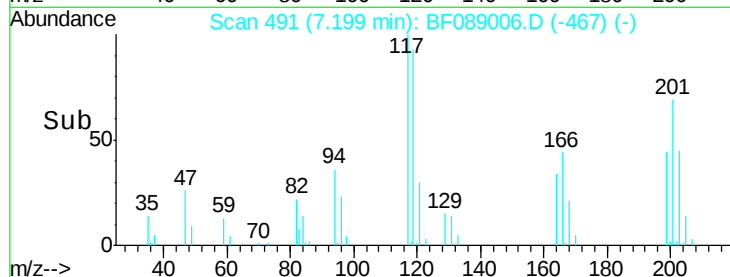
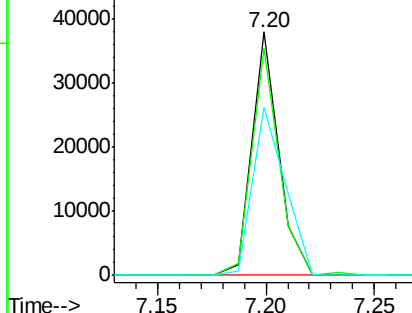
Tot Ion:117 Resp: 32461
Ion Ratio Lower Upper
117 100
119 93.0 77.4 116.2
201 69.3 80.4 120.6#

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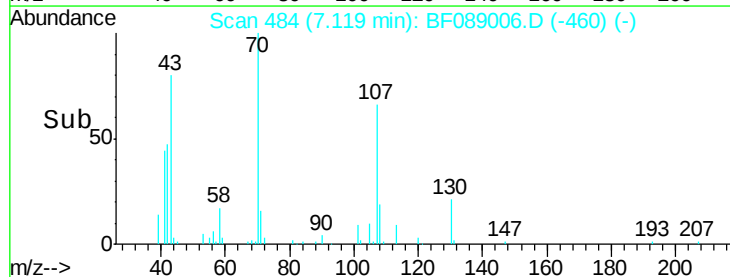
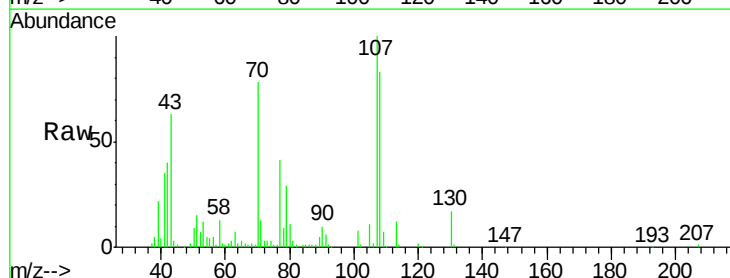
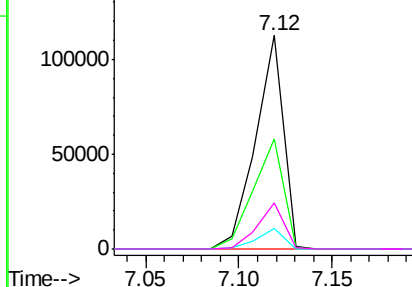
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

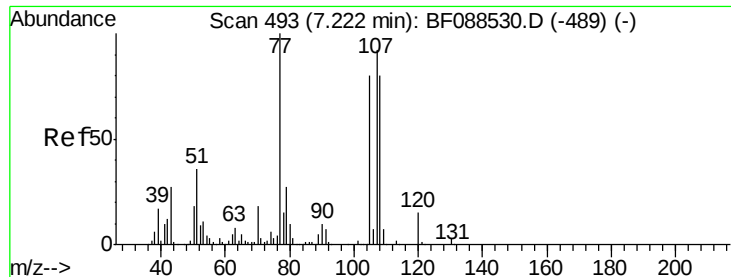


#19
n-Nitroso-di-n-propylamine
Concen: 41.20 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion: 70 Resp: 116560
Ion Ratio Lower Upper
70 100
42 51.7 49.6 74.4
101 9.8 7.1 10.7
130 21.4 15.4 23.2

Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 44.89 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

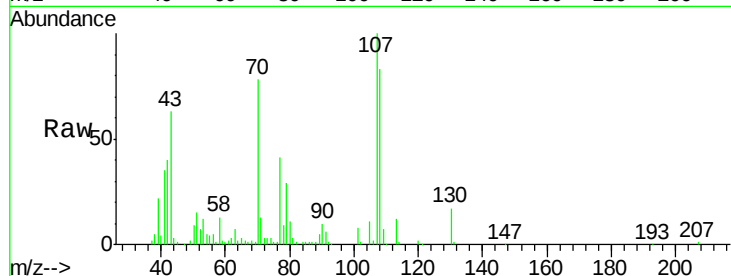
LSS-SS-SS04(0-2in)MSD

Tot Ion:	107	Resp:	153973
Ion Ratio	Lower	Upper	
107	100		
108	82.9	67.8	107.8
77	41.2	59.3	99.3#
79	28.9	7.0	47.0

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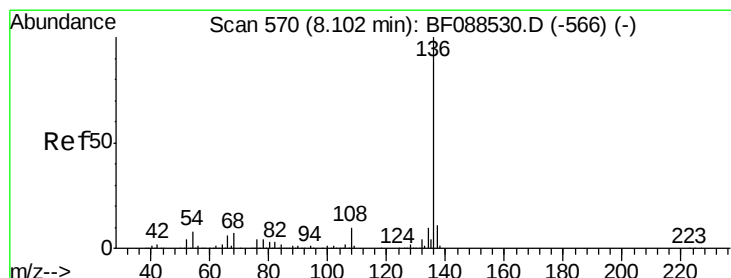
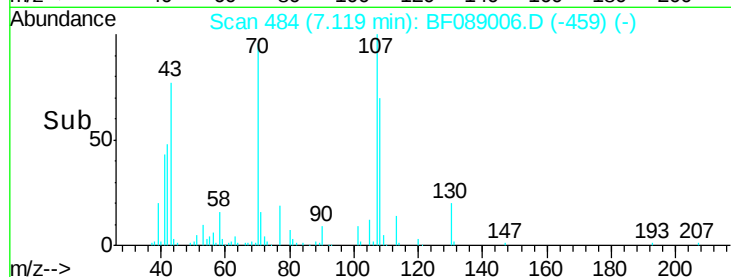
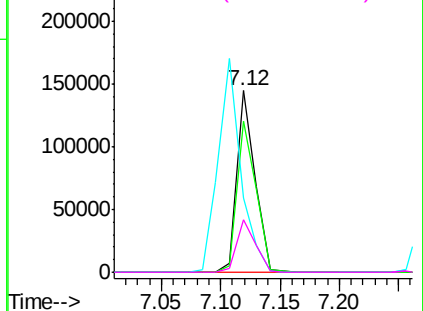
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion:	136	Resp:	189606
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.1	6.6	10.0
68	5.6	5.1	7.7

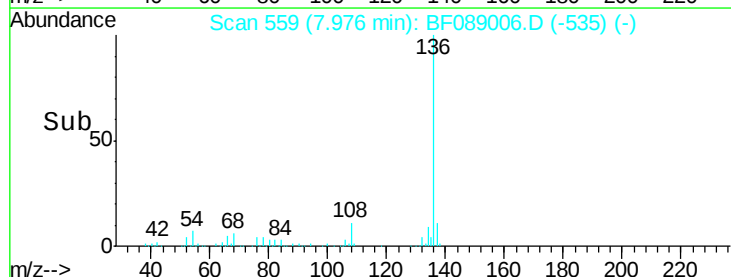
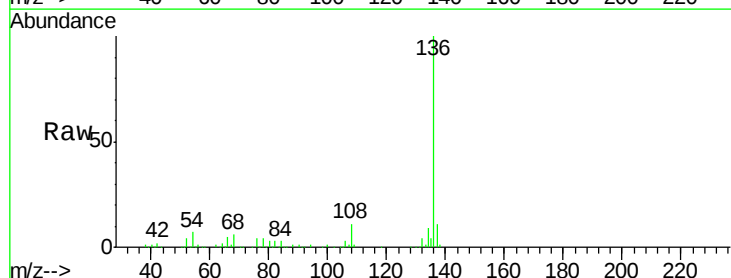
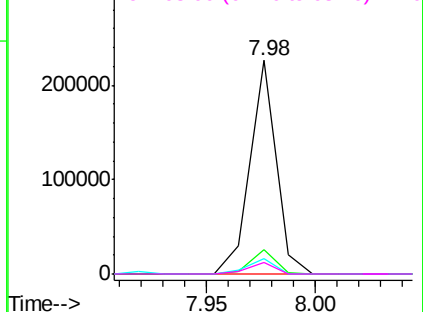
Abundance

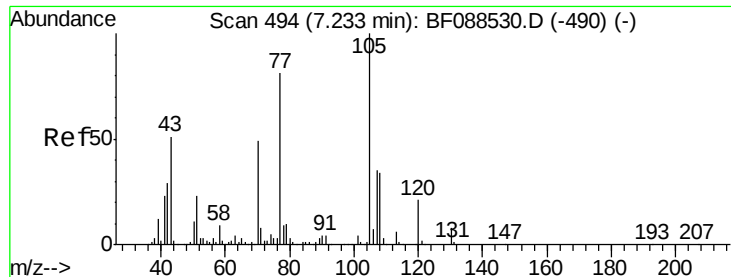
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 48.11 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF089006.D

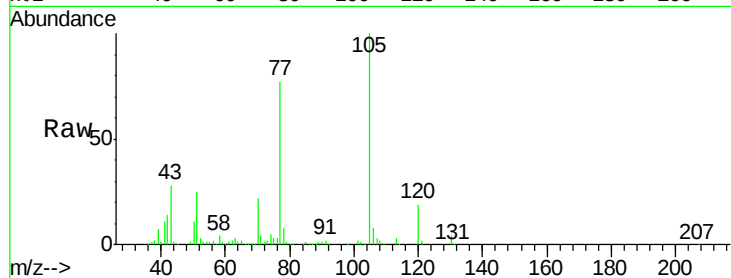
Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD



Tot Ion:105 Resp: 221407

Ion Ratio Lower Upper

105 100

71 3.6 5.3 7.9#

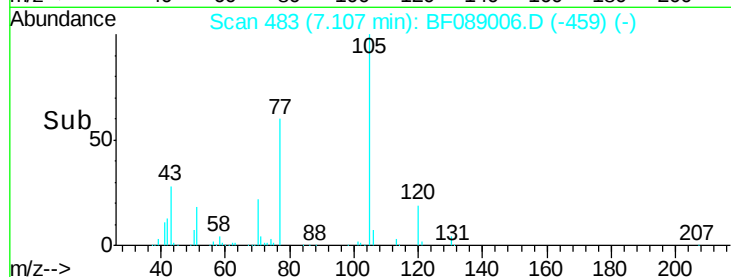
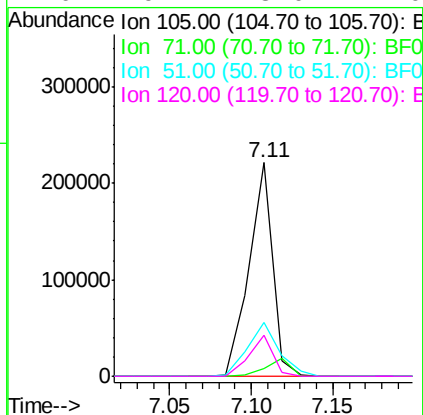
51 25.2 18.2 27.4

120 19.2 18.0 27.0

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#23

Nitrobenzene-d5

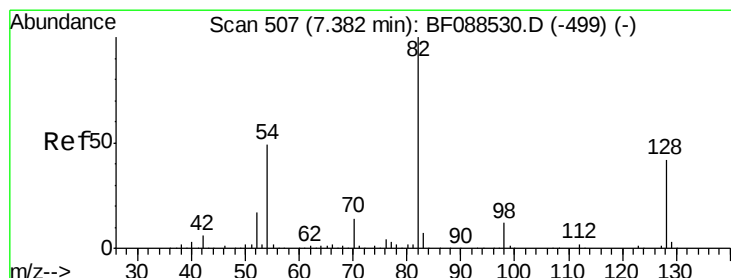
Concen: 82.94 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21



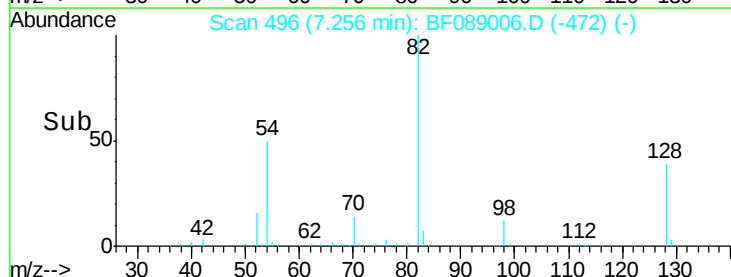
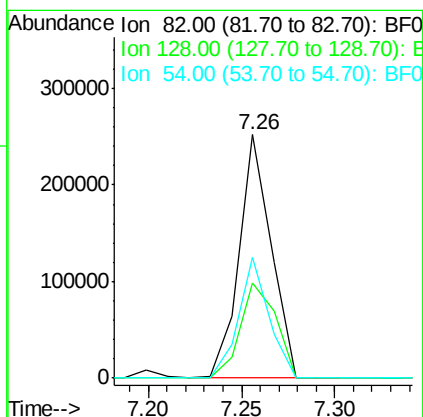
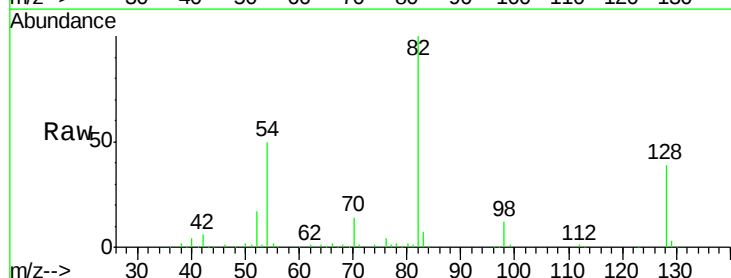
Tgt Ion: 82 Resp: 300081

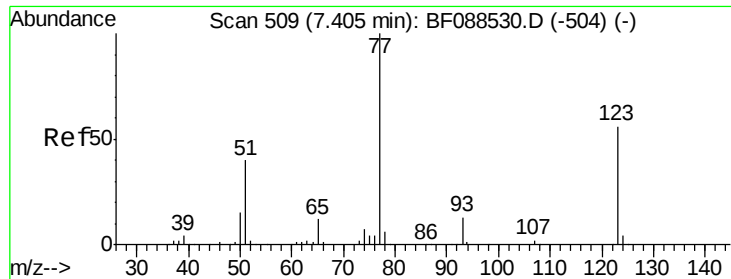
Ion Ratio Lower Upper

82 100

128 39.2 35.9 53.9

54 49.7 40.9 61.3





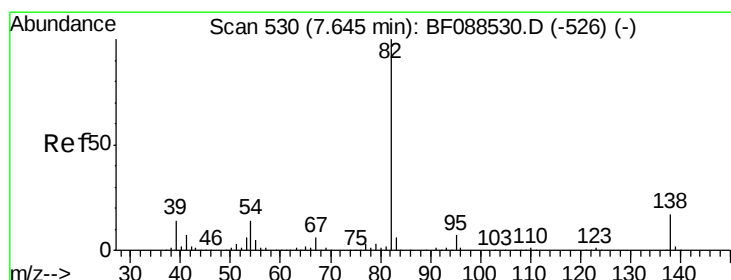
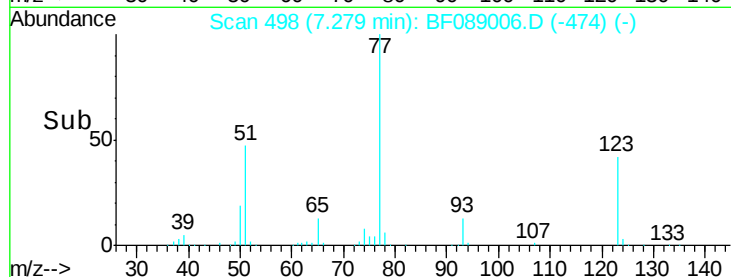
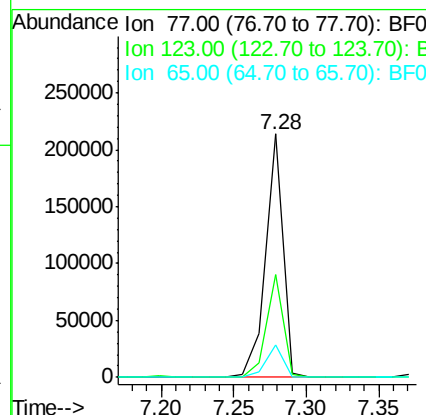
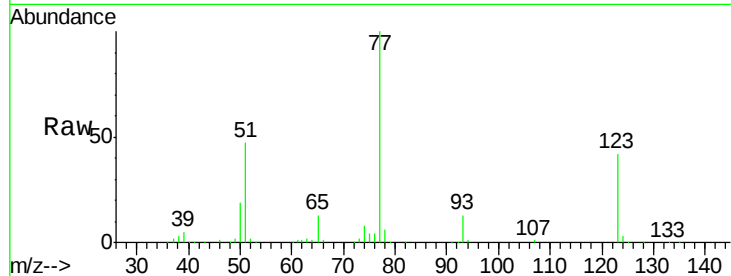
#24
 Nitrobenzene
 Concen: 48.72 ng
 RT: 7.28 min Scan# 498
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	77	100		
123	123	42.4	45.0	67.4#
65	65	13.2	10.2	15.2

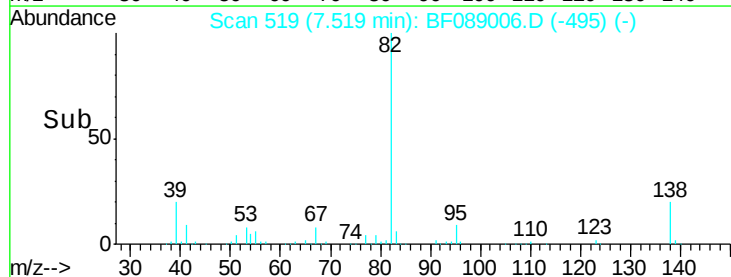
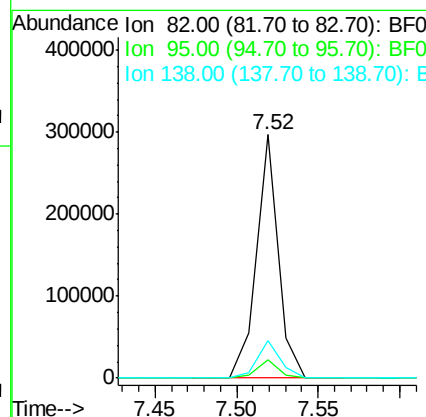
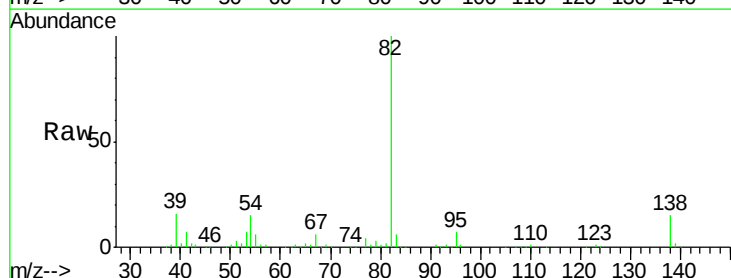
Manual Integrations

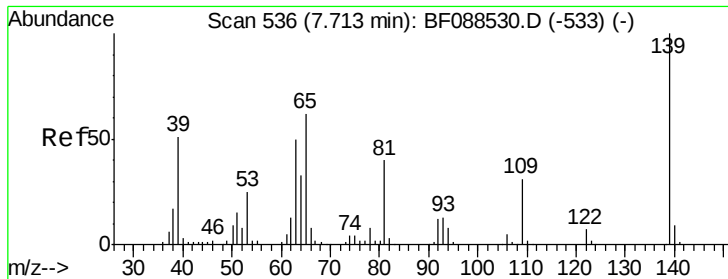
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#25
 Isophorone
 Concen: 41.30 ng
 RT: 7.52 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ion	Ratio	Lower	Upper
82	82	100		
95	95	7.4	5.4	8.2
138	138	15.3	14.6	21.8





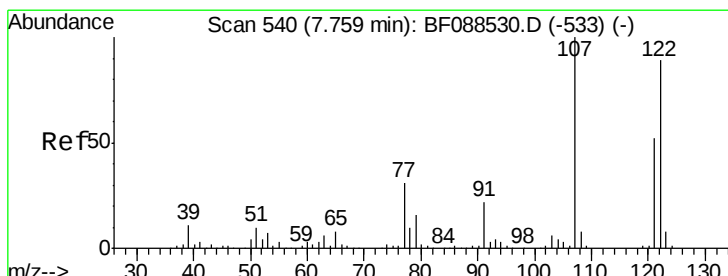
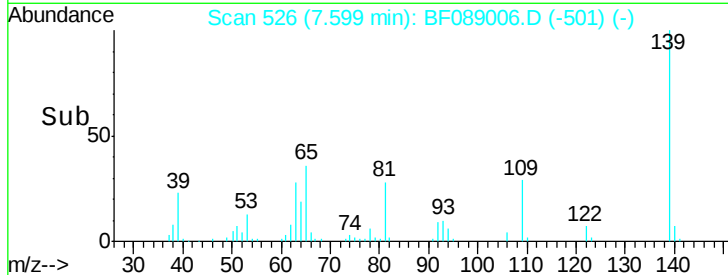
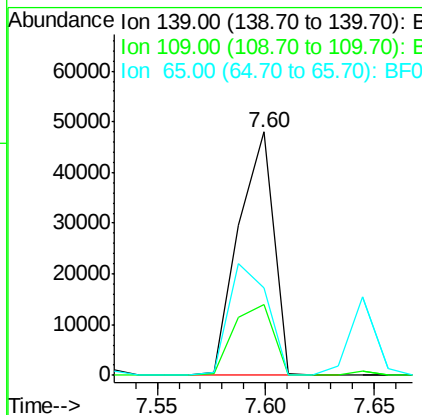
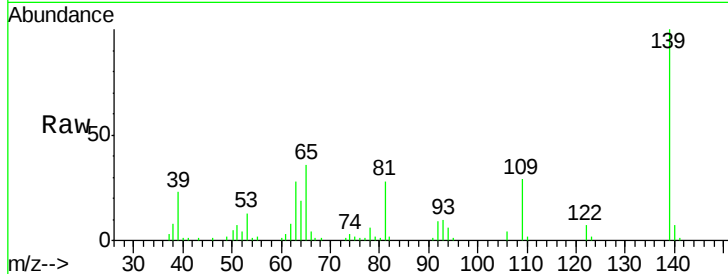
#26
 2-Nitrophenol
 Concen: 35.98 ng
 RT: 7.60 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	53818		
109	28.9	23.0	34.4	
65	35.9	45.8	68.8	

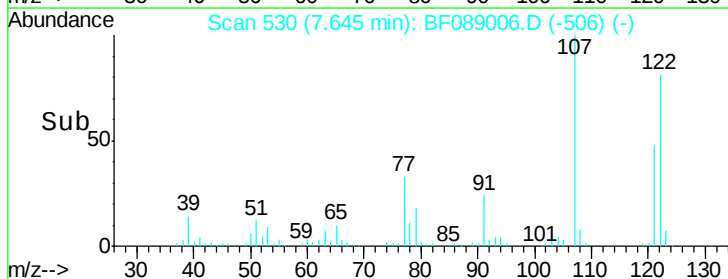
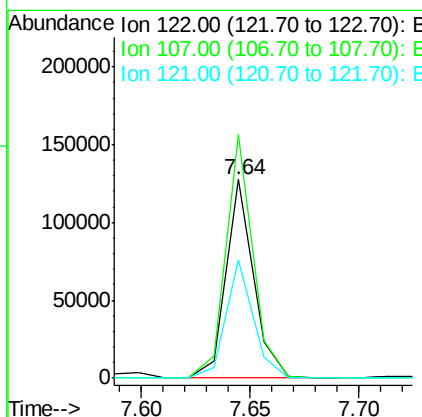
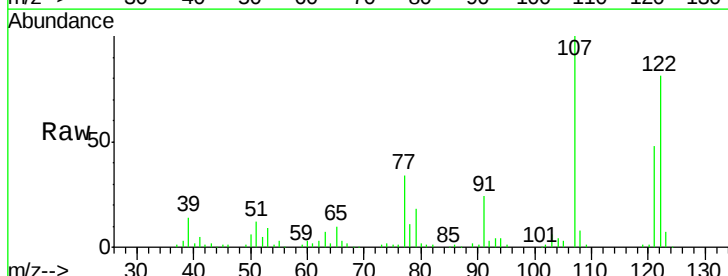
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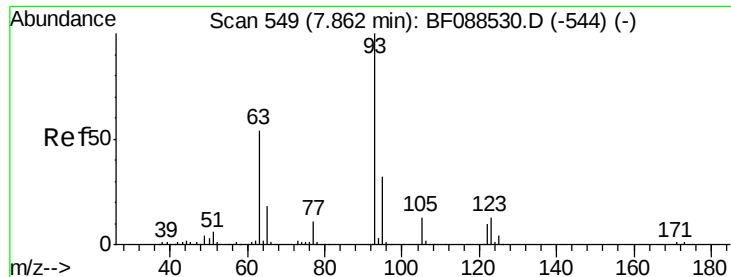
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#27
 2,4-Dimethylphenol
 Concen: 35.86 ng
 RT: 7.64 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	111741		
107	122.8	82.4	123.6	
121	59.5	46.3	69.5	





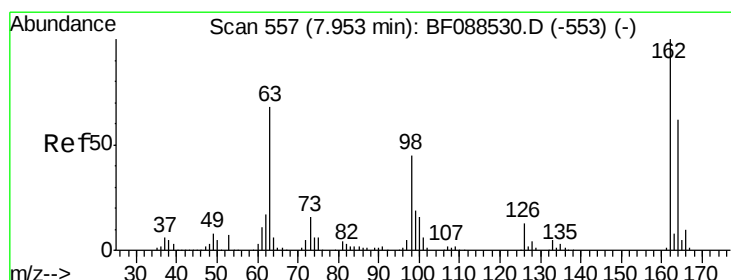
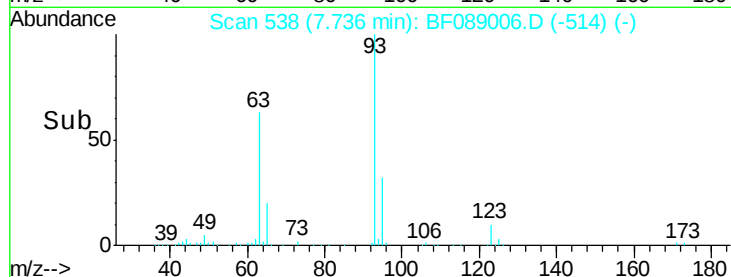
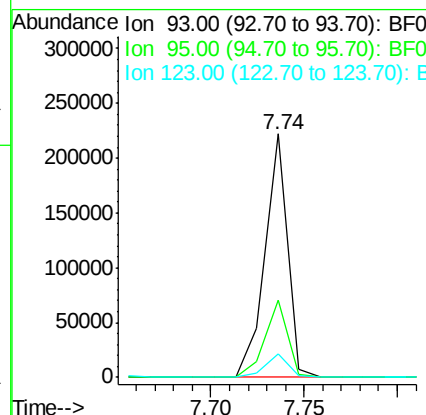
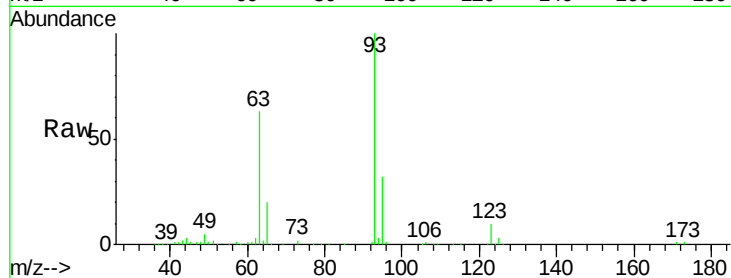
#28
bis(2-Chloroethoxy)methane
Concen: 43.21 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.5	39.7
123	9.9	11.6	17.4

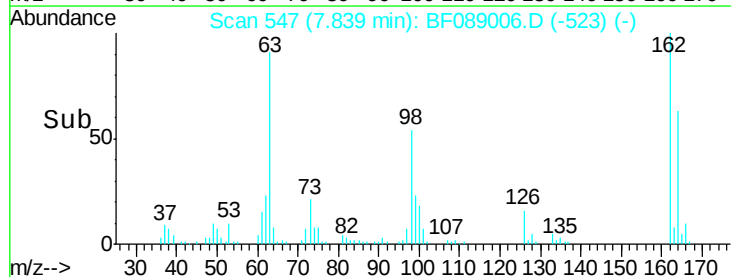
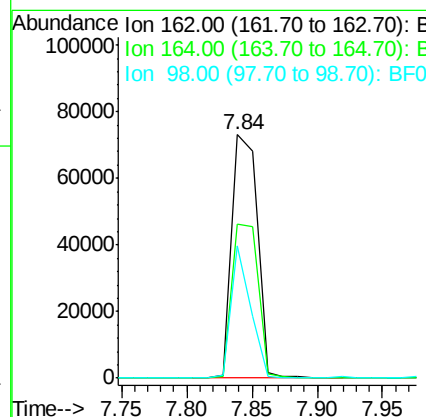
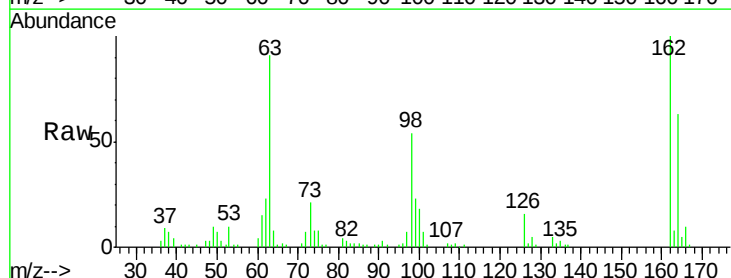
Manual Integrations

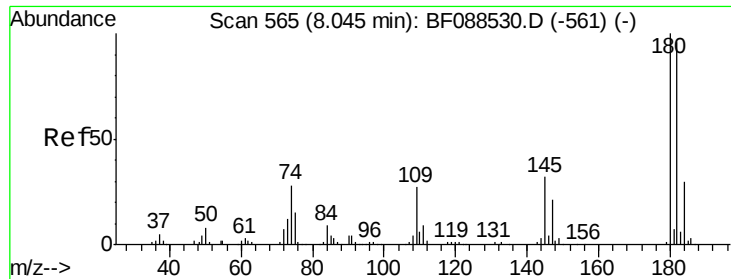
APPROVED
Sohil
7/15/2016 9:16:43 AM



#29
2,4-Dichlorophenol
Concen: 39.51 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.8	83.8
98	54.1	21.3	61.3





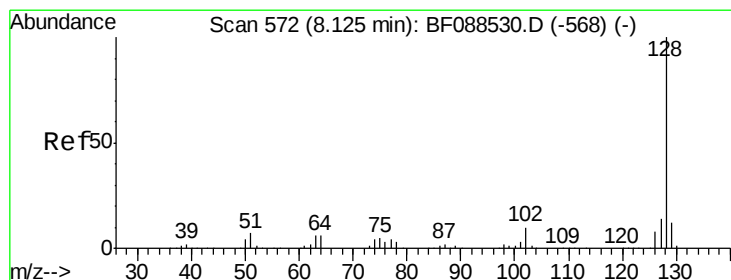
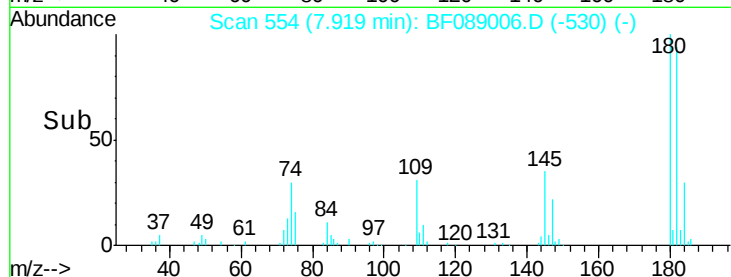
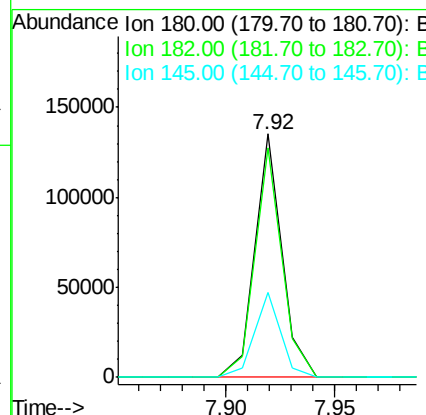
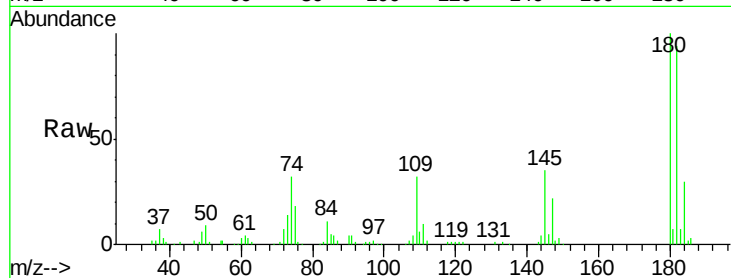
#30
 1,2,4-Trichlorobenzene
 Concen: 42.04 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.0	114.0
145	34.9	26.5	39.7

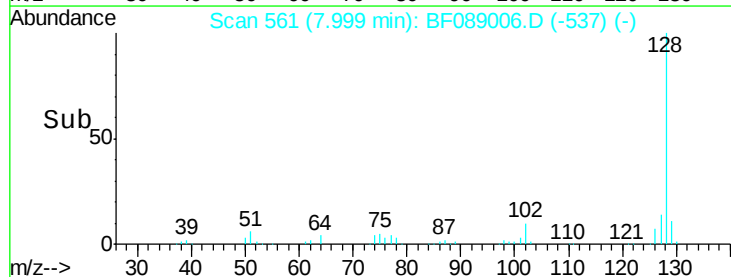
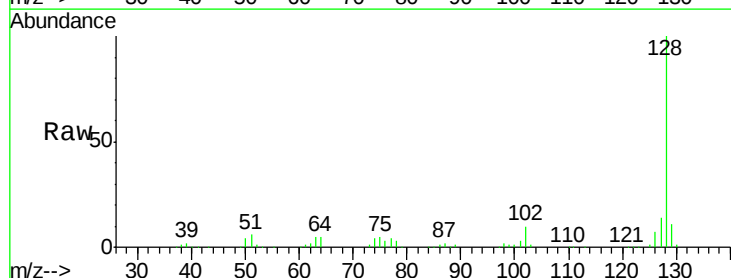
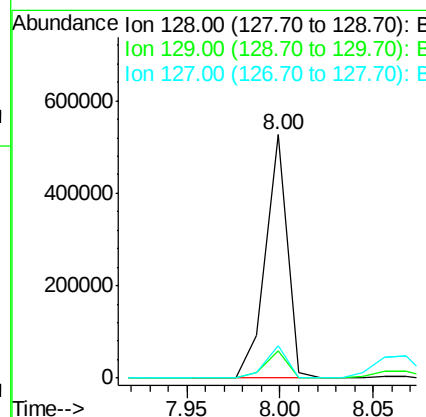
Manual Integrations

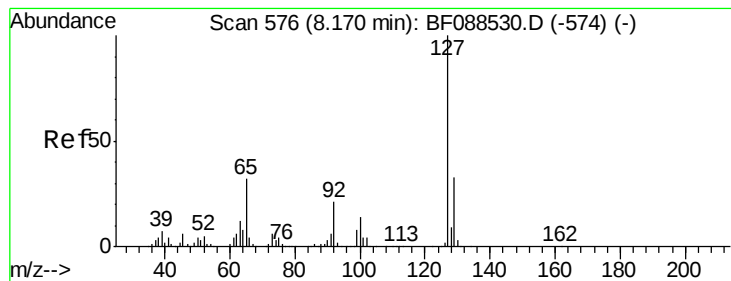
APPROVED
 Sohil
 7/15/2016 9:16:43 AM



#31
 Naphthalene
 Concen: 46.33 ng
 RT: 8.00 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.2
127	13.6	10.9	16.3





#33

4-Chloroaniline

Concen: 19.39 ng

RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF089006.D

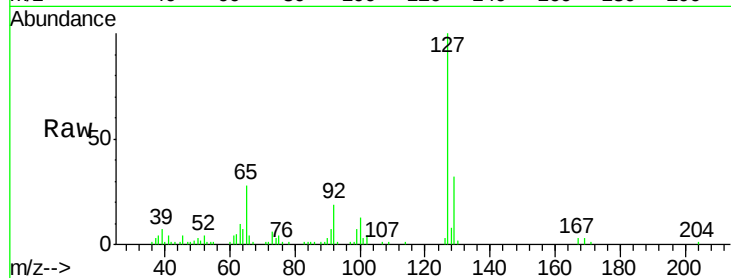
Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD



Tot Ion:127 Resp: 80640

Ion Ratio Lower Upper

127 100

129 32.3 26.3 39.5

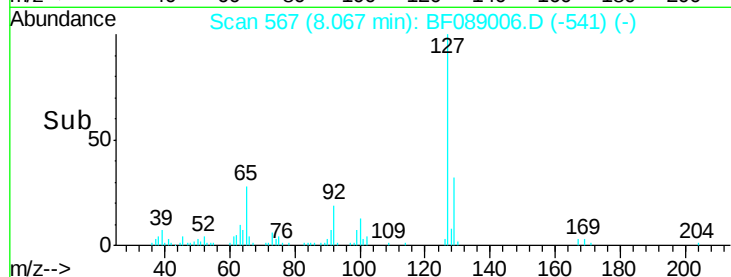
65 28.0 24.7 37.1

92 18.6 15.4 23.0

Manual Integrations

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7/15/2016 9:16:43 AM

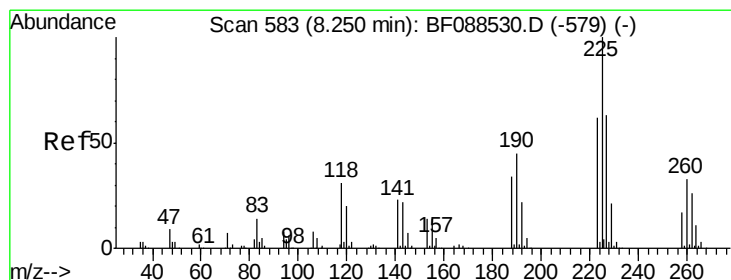
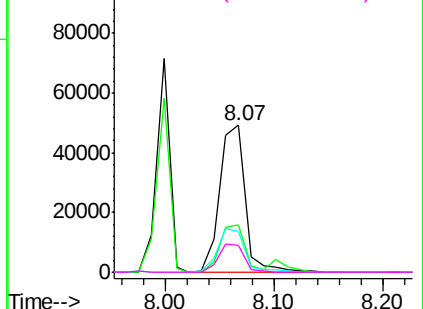


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 42.41 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

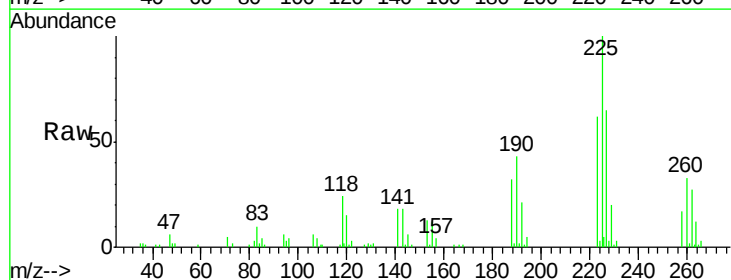
Tgt Ion:225 Resp: 62755

Ion Ratio Lower Upper

225 100

223 61.7 50.9 76.3

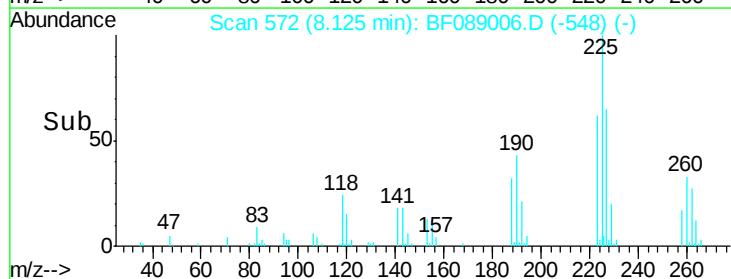
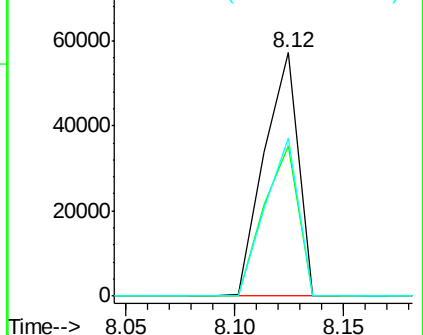
227 64.9 51.9 77.9

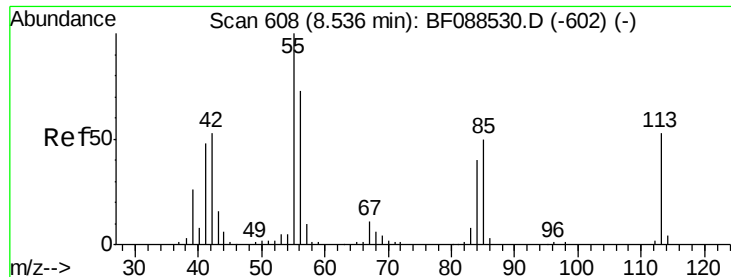


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 39.06 ng

RT: 8.42 min Scan# 598

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:113 Resp: 33405

Ion Ratio Lower Upper

113 100

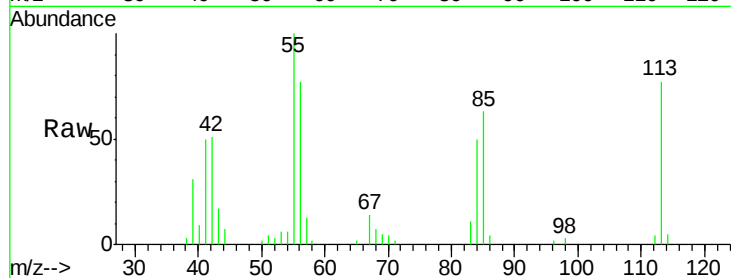
55 130.0 158.6 198.6#

56 100.5 110.6 150.6#

Manual Integrations

Sohil

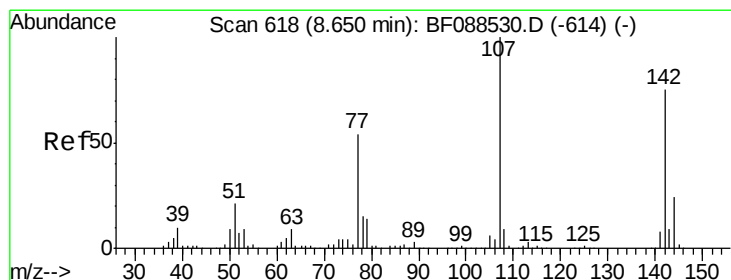
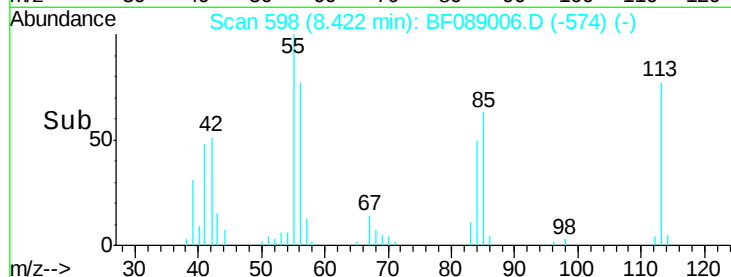
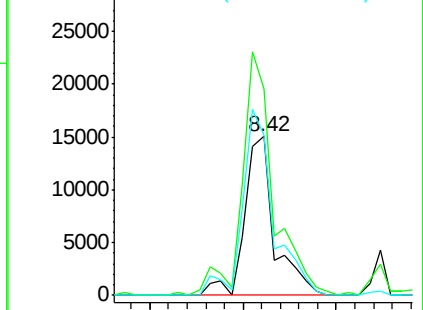
7/15/2016 9:16:43 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 40.83 ng

RT: 8.55 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

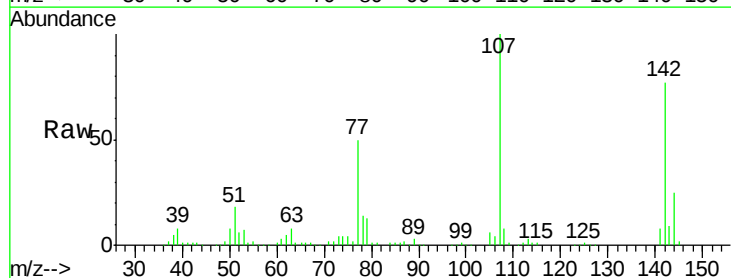
Tgt Ion:107 Resp: 121586

Ion Ratio Lower Upper

107 100

144 24.7 20.8 31.2

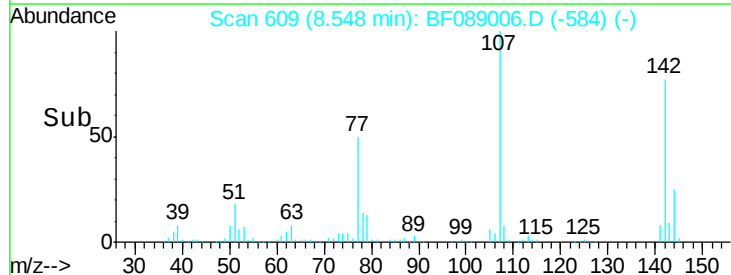
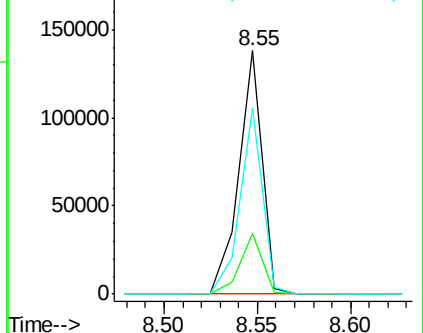
142 76.6 63.4 95.2

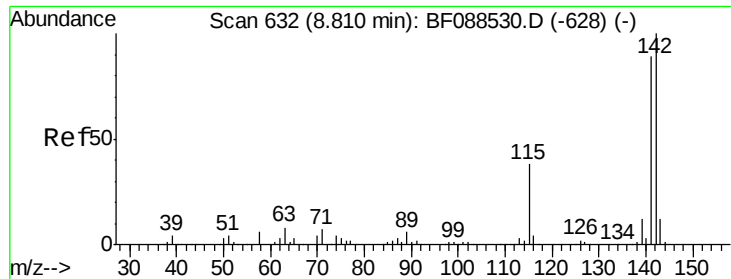


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





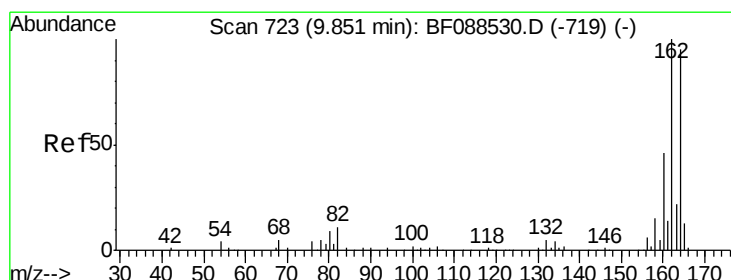
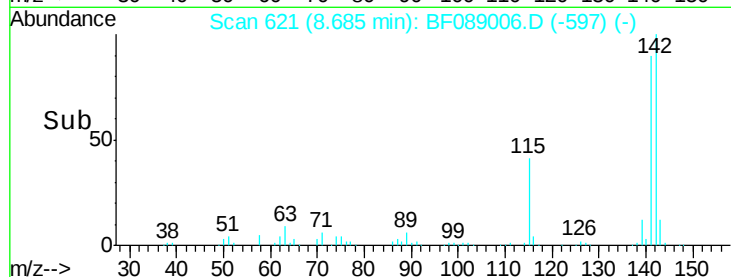
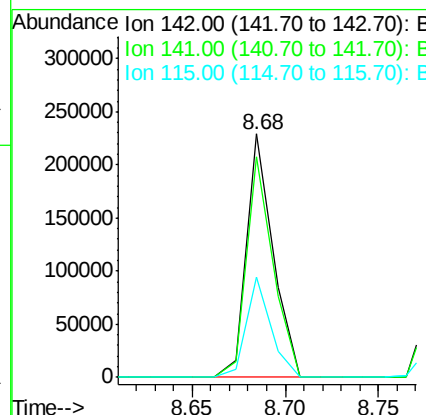
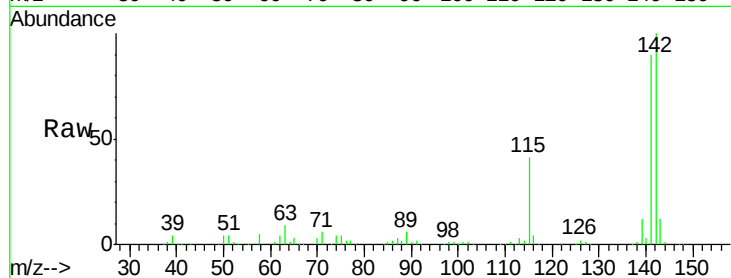
#37
2-Methylnaphthalene
Concen: 37.65 ng
RT: 8.68 min Scan# 621
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6
115	41.3	22.6	33.8

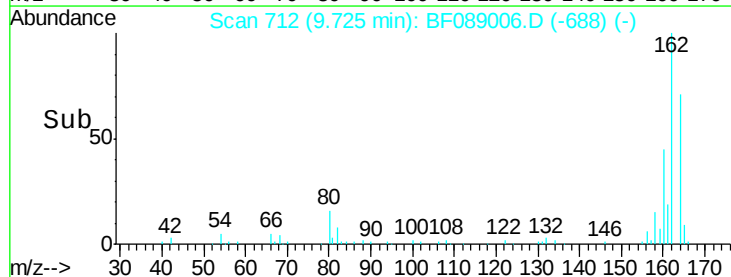
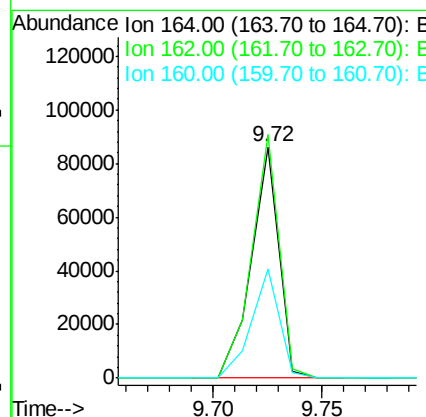
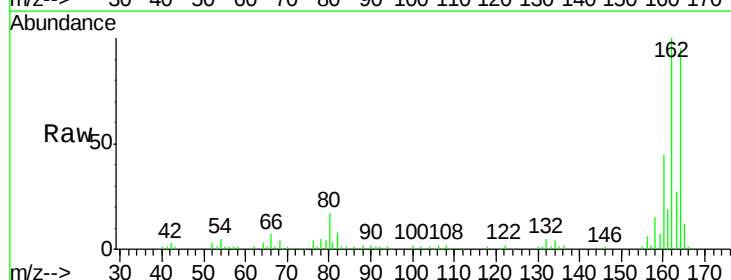
Manual Integrations

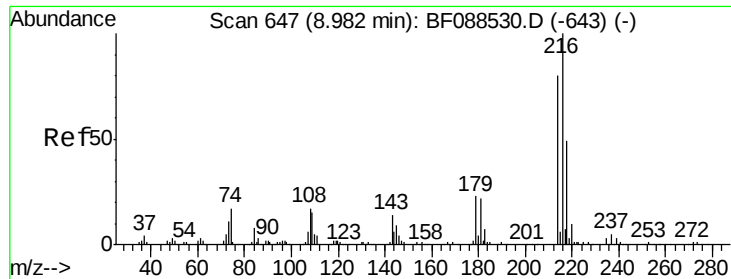
APPROVED
Sohil
7/15/2016 9:16:43 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.4	128.2
160	47.3	39.5	59.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.56 ng

RT: 8.86 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:216 Resp: 109378

Ion Ratio Lower Upper

216 100

214 78.3 2.9 4.3#

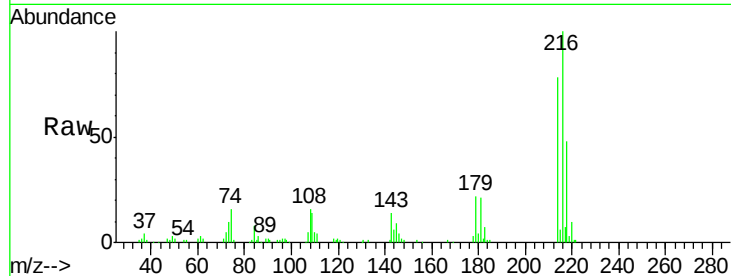
179 23.3 0.0 0.0#

108 18.7 0.5 0.7#

Manual Integrations

Sohil

7/15/2016 9:16:43 AM

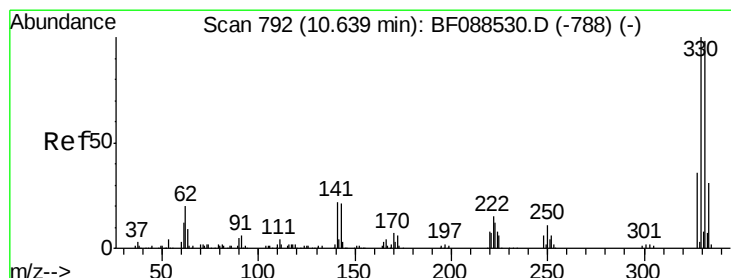
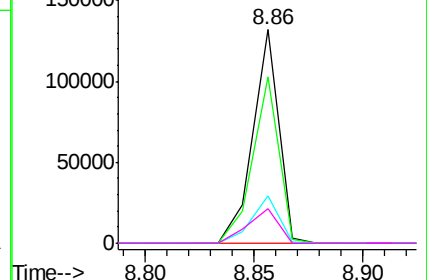
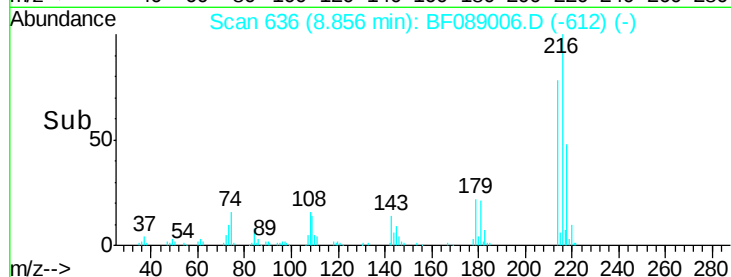


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 120.39 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

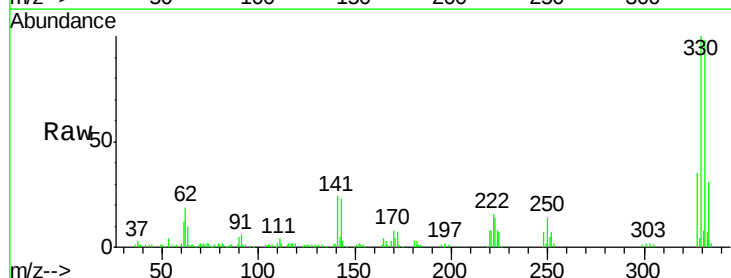
Tgt Ion:330 Resp: 84392

Ion Ratio Lower Upper

330 100

332 97.9 0.0 0.0#

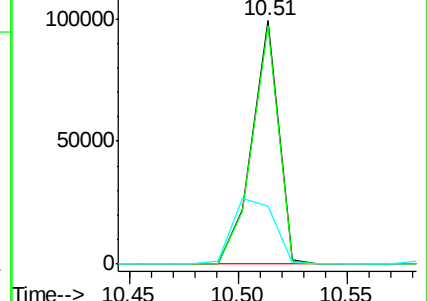
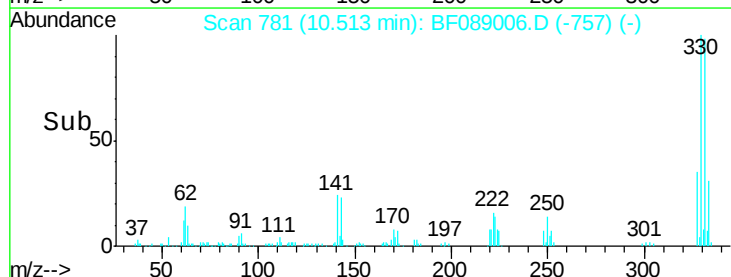
141 42.7 0.0 0.0#

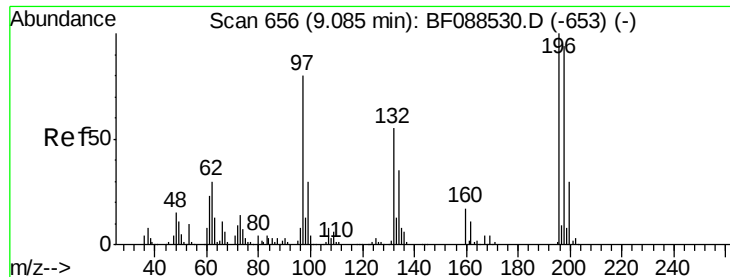


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





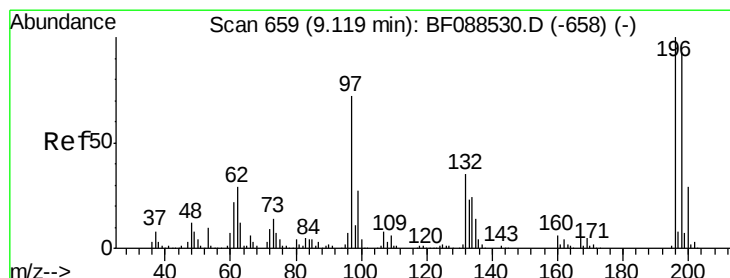
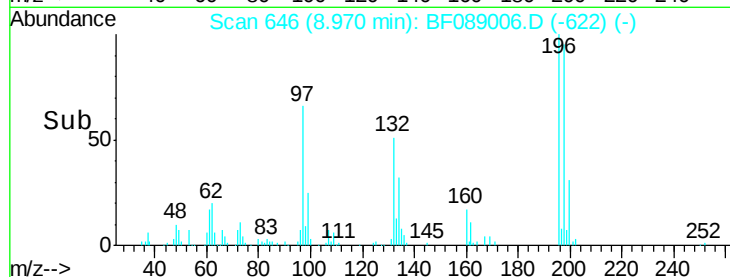
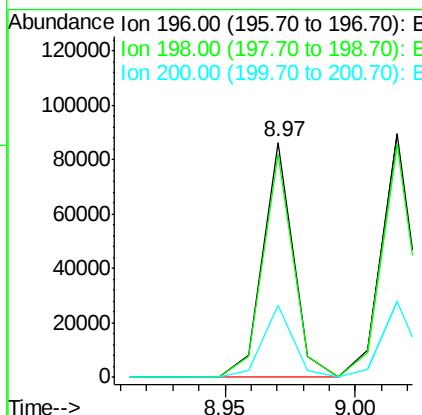
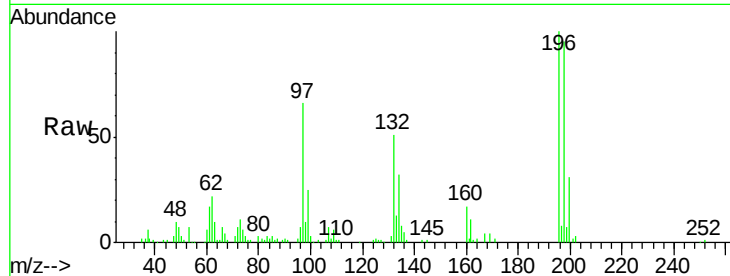
#42
 2,4,6-Trichlorophenol
 Concen: 42.30 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Manual Integrations

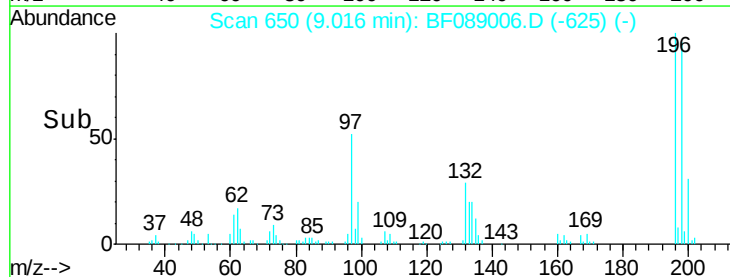
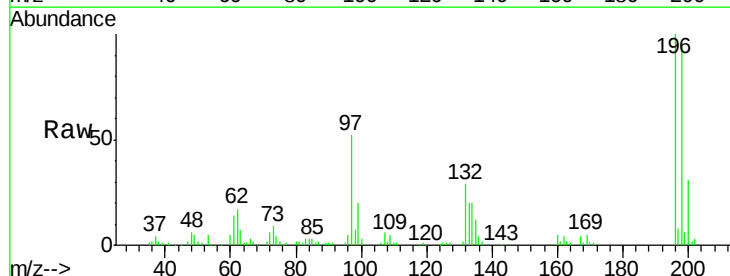
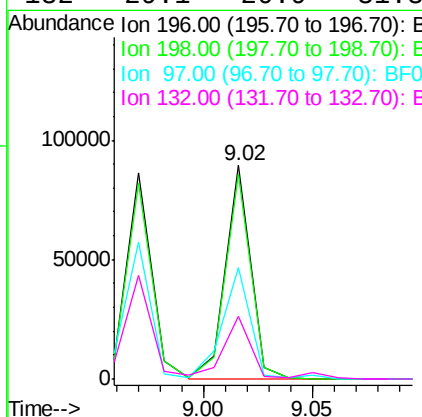
APPROVED
 Sohil
 7/15/2016 9:16:43 AM

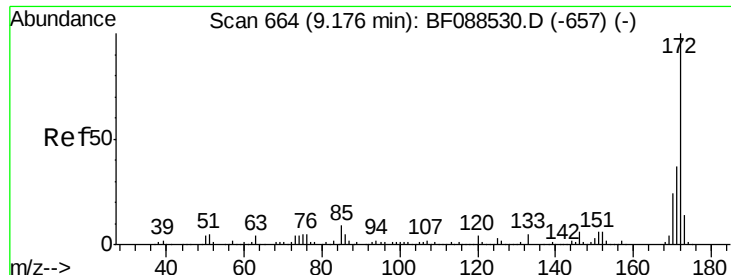
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.1	78.0	117.0
200	30.5	25.4	38.2



#43
 2,4,5-Trichlorophenol
 Concen: 50.36 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.8	77.5	116.3
97	52.3	32.0	48.0#
132	29.1	20.9	31.3





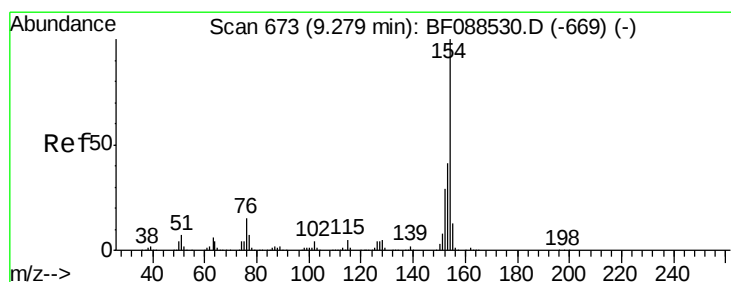
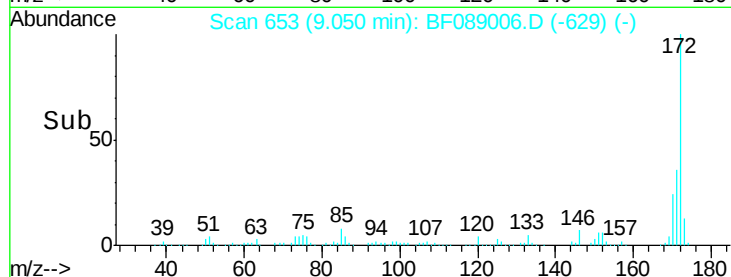
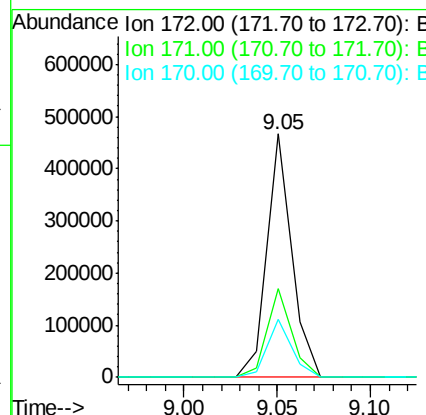
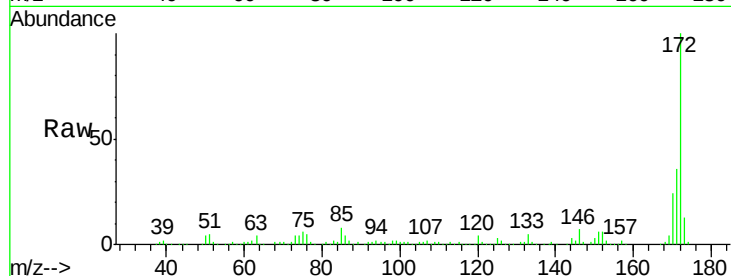
#44
2-Fluorobiphenyl
Concen: 89.70 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.9	19.2	28.8

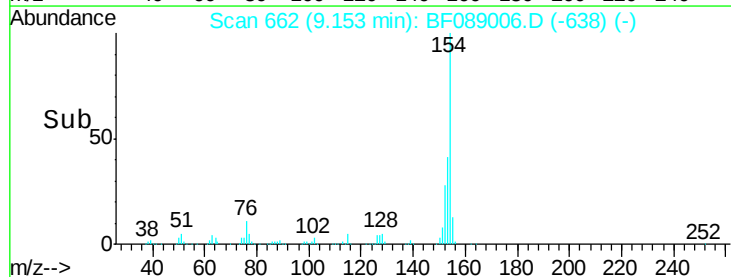
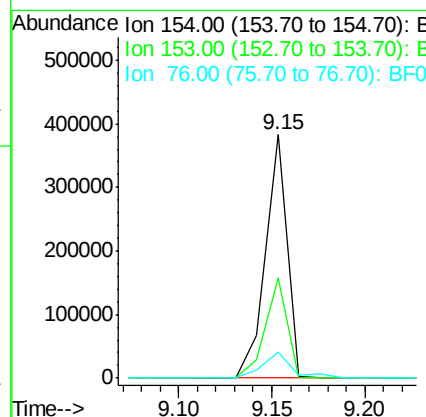
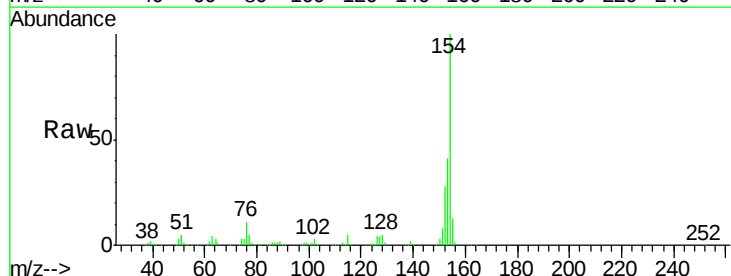
Manual Integrations

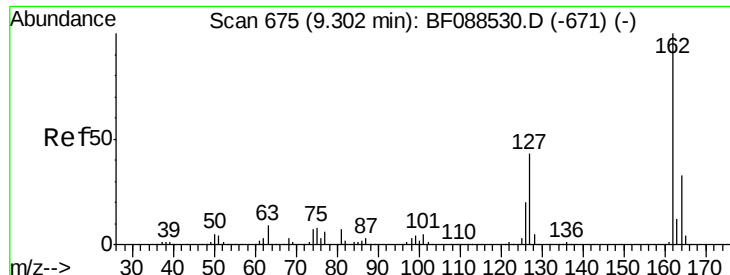
APPROVED
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7/15/2016 9:16:43 AM



#45
1,1'-Biphenyl
Concen: 49.90 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.6	60.6
76	10.9	0.0	35.1





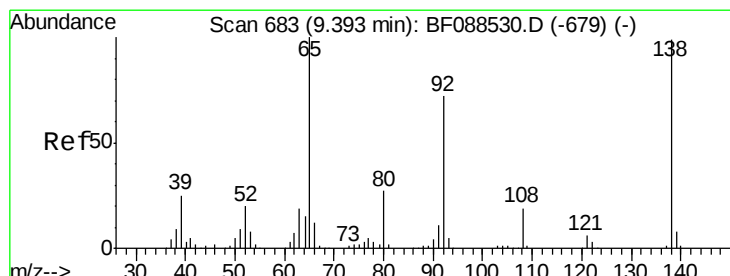
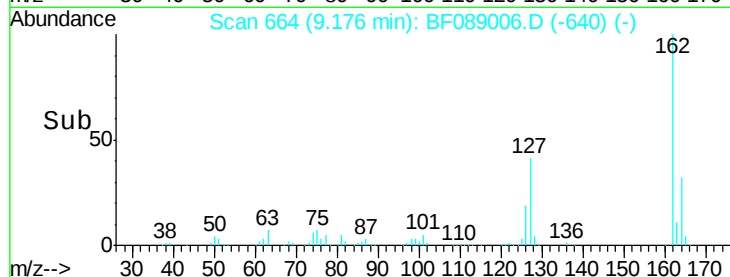
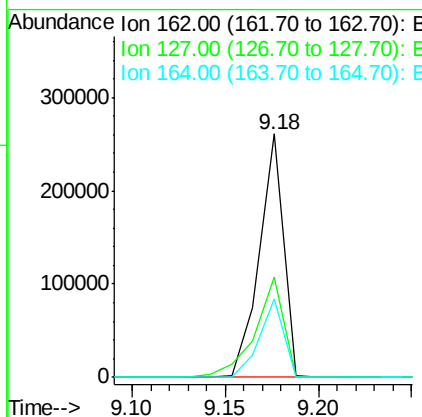
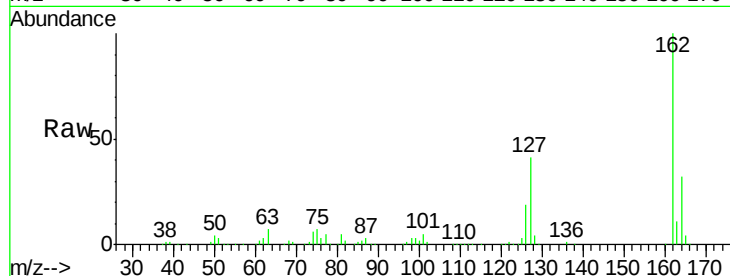
#46
 2-Chloronaphthalene
 Concen: 47.47 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.1	35.2	52.8
164	32.4	26.6	39.8

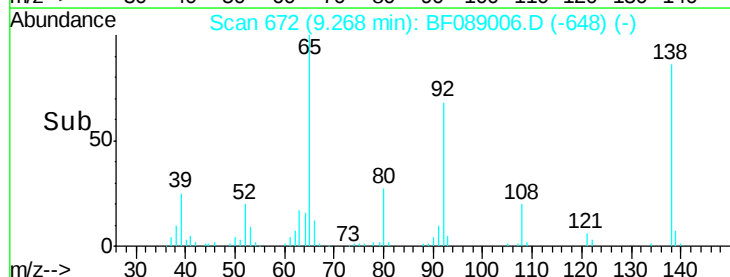
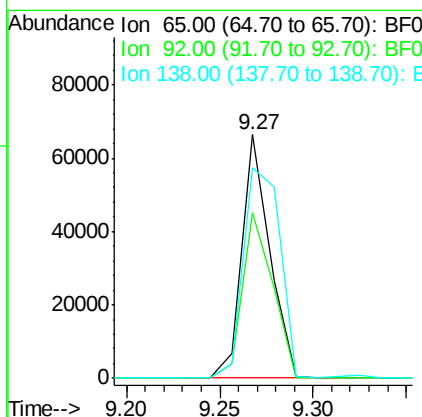
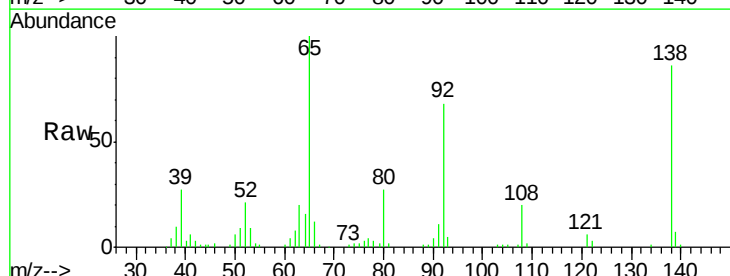
Manual Integrations

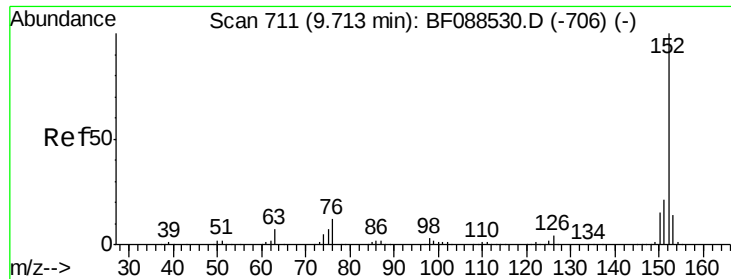
APPROVED
 Sohil
 7/15/2016 9:16:43 AM



#47
 2-Nitroaniline
 Concen: 39.44 ng
 RT: 9.27 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.2	54.6	82.0
138	86.5	77.0	115.4





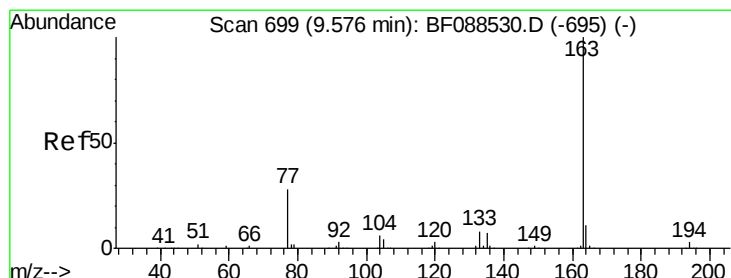
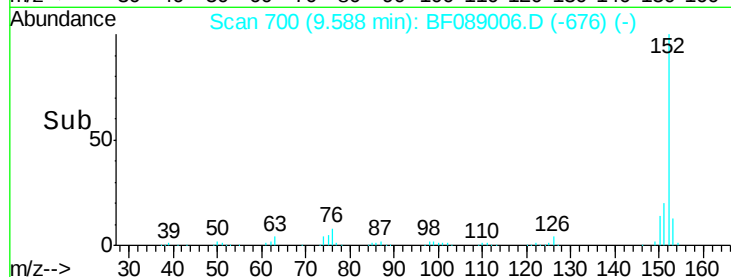
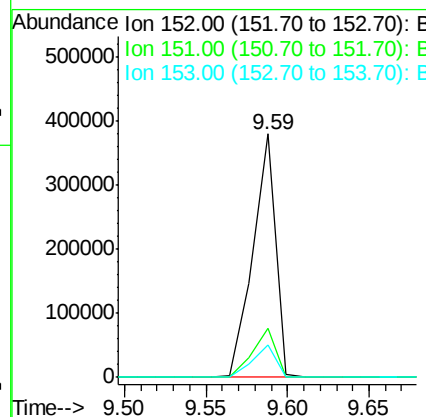
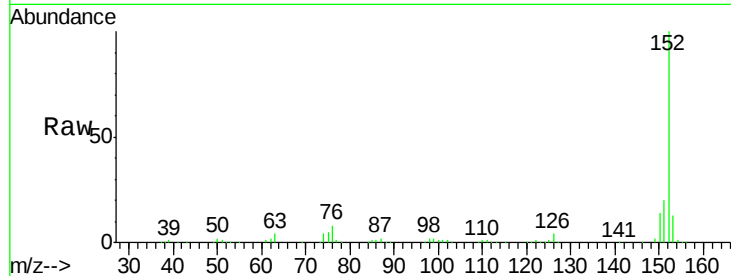
#48
Acenaphthylene
Concen: 46.93 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.1	11.0	16.6

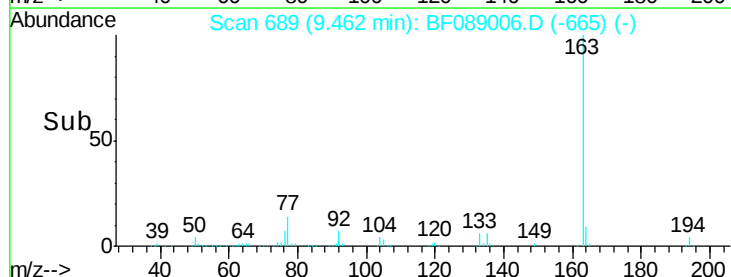
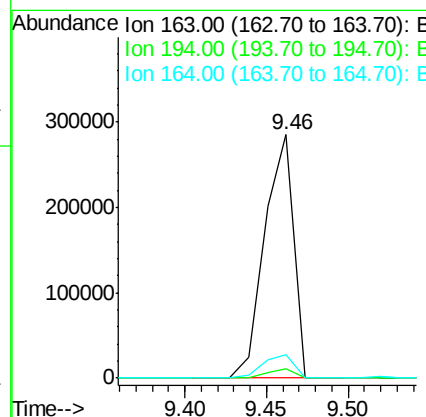
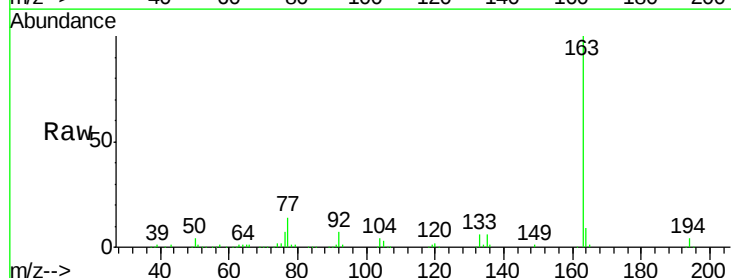
Manual Integrations

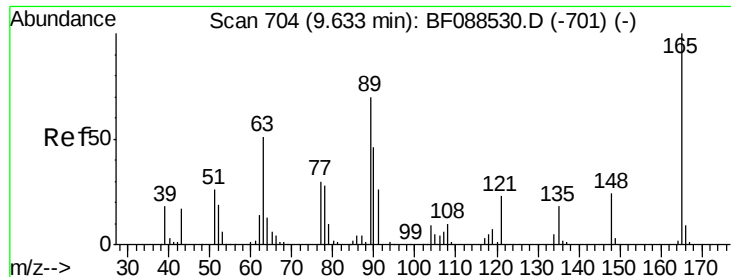
APPROVED
Sohil
7/15/2016 9:16:43 AM



#49
Dimethylphthalate
Concen: 65.30 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.5	8.3	12.5





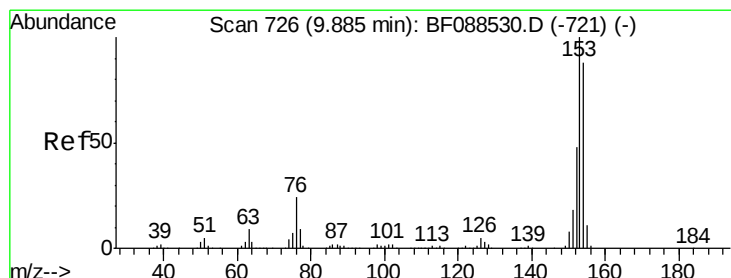
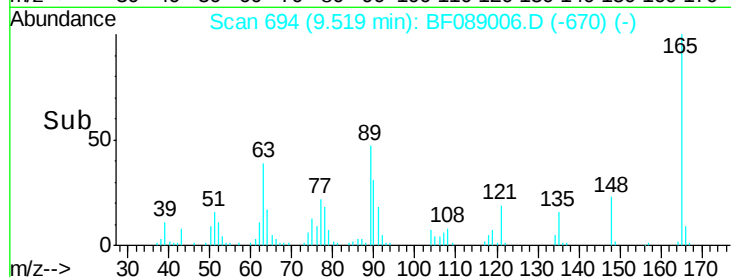
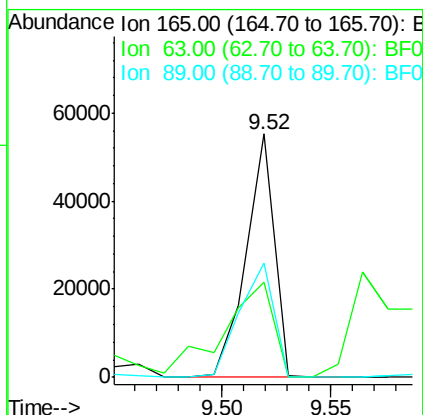
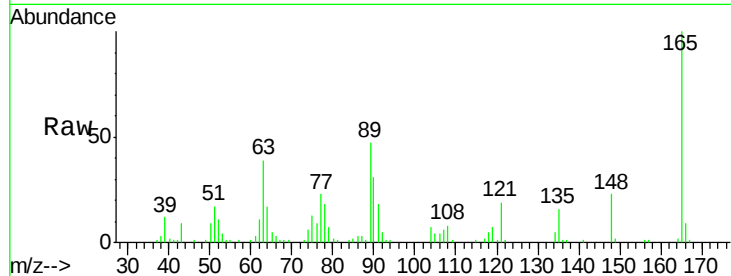
#50
 2,6-Dinitrotoluene
 Concen: 41.76 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion:	165	Resp:	49778
Ion Ratio	Lower	Upper	
165	100		
63	39.3	28.1	42.1
89	46.8	32.2	48.2

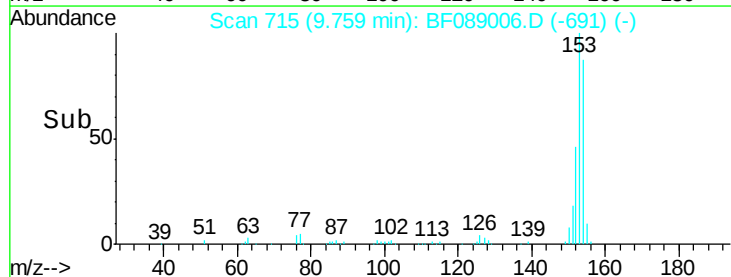
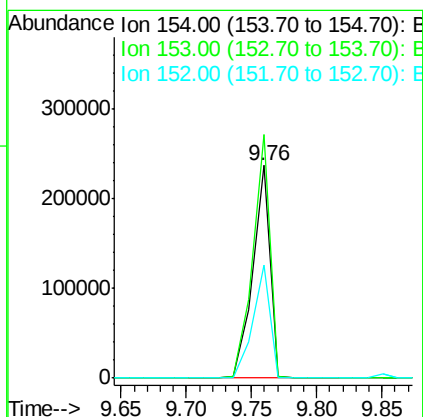
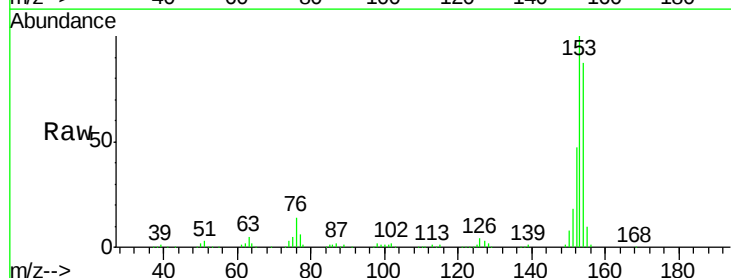
Manual Integrations

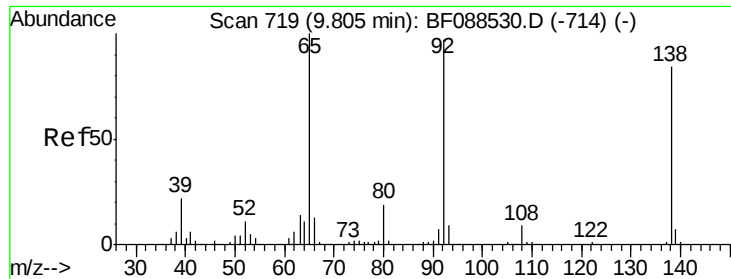
APPROVED
 Sohil
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#51
 Acenaphthene
 Concen: 45.32 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion:	154	Resp:	216920
Ion Ratio	Lower	Upper	
154	100		
153	114.6	89.5	134.3
152	53.4	42.7	64.1





#52

3-Nitroaniline

Concen: 33.49 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:138 Resp: 50747

Ion Ratio Lower Upper

138 100

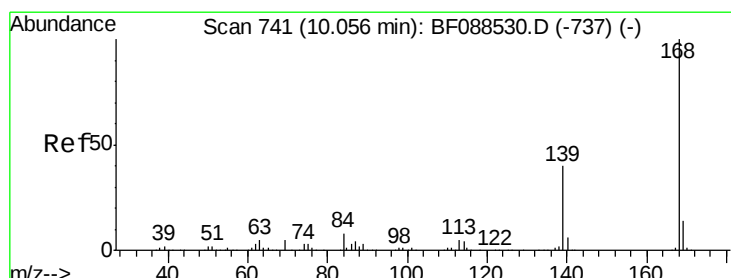
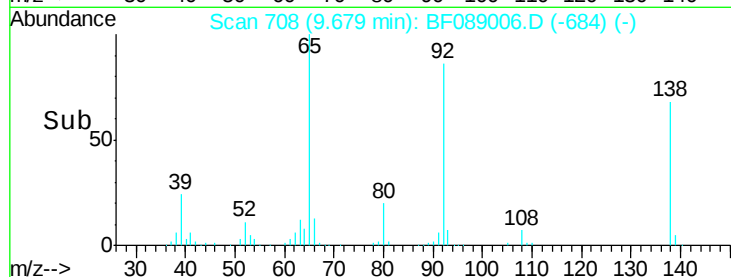
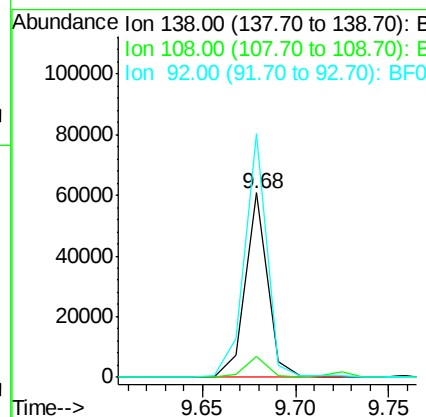
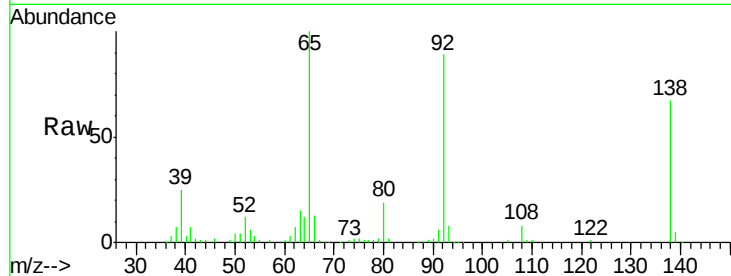
108 11.4 8.5 12.7

92 131.9 95.7 143.5

Manual Integrations

Sohil

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#54

Dibenzofuran

Concen: 48.68 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

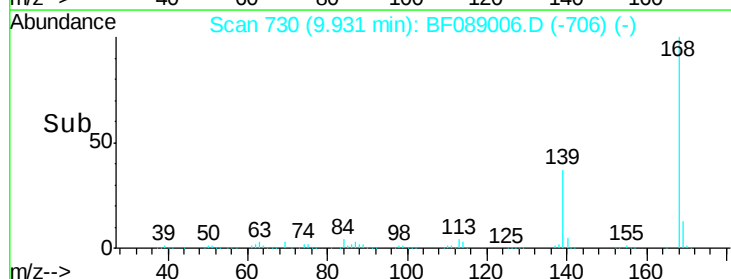
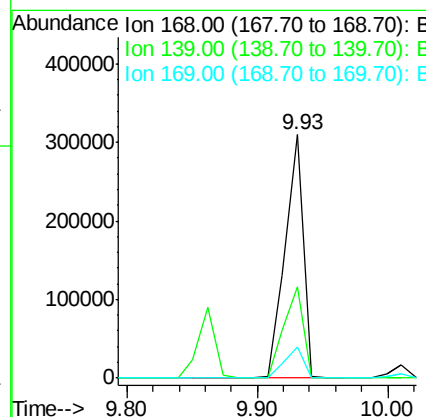
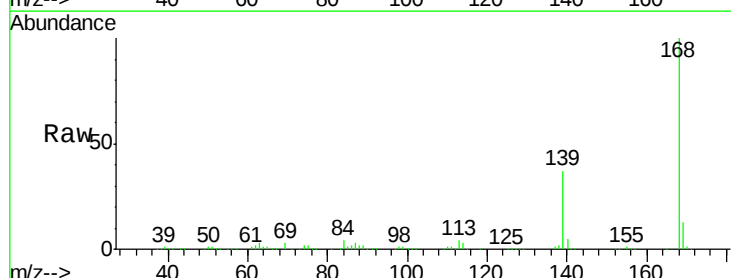
Tgt Ion:168 Resp: 304930

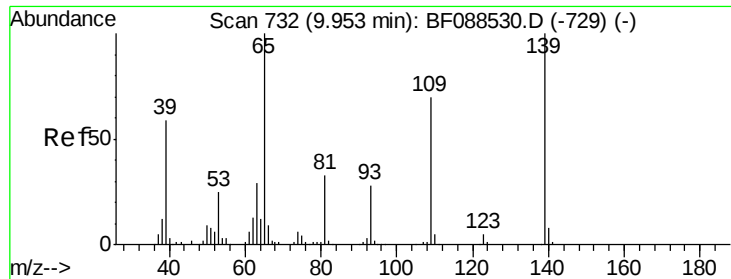
Ion Ratio Lower Upper

168 100

139 37.5 26.4 39.6

169 12.8 10.4 15.6





#55

4-Nitrophenol

Concen: 71.69 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:139 Resp: 82542

Ion Ratio Lower Upper

139 100

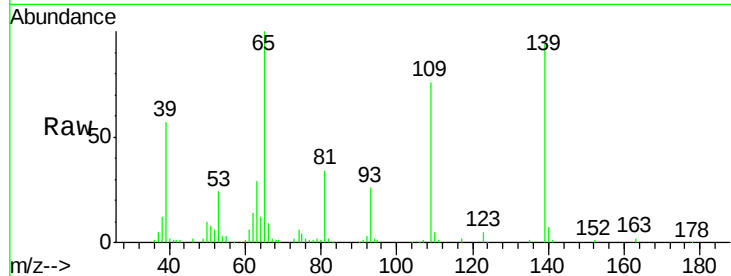
109 81.6 48.9 88.9

65 106.8 84.9 124.9

Manual Integrations

Sohil

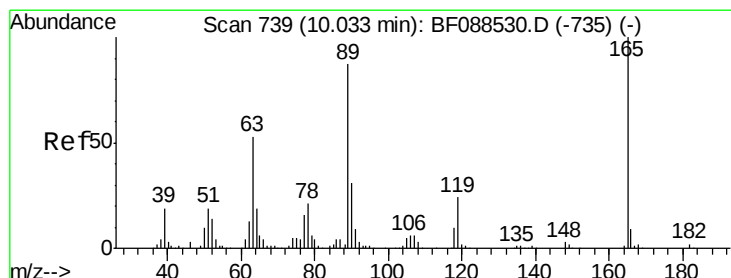
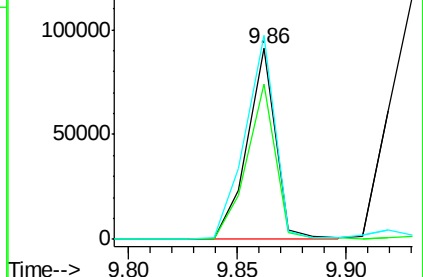
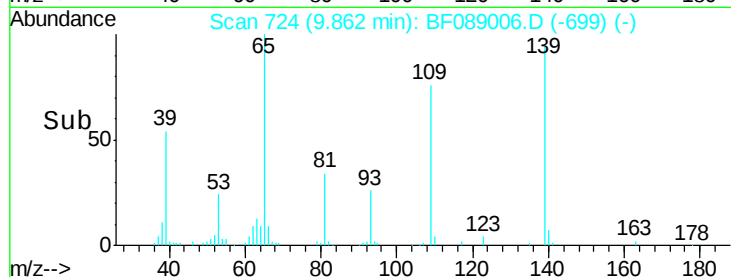
7/15/2016 9:16:43 AM



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 37.62 ng

RT: 9.92 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion:165 Resp: 58629

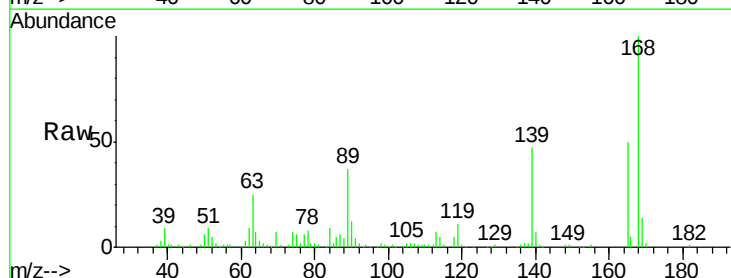
Ion Ratio Lower Upper

165 100

63 49.9 22.0 33.0#

89 73.9 41.1 61.7#

182 2.3 2.0 3.0

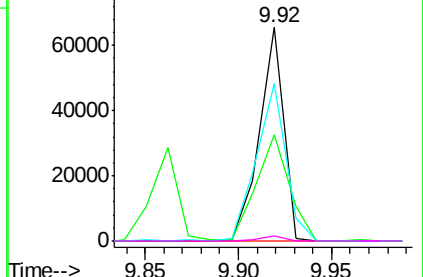
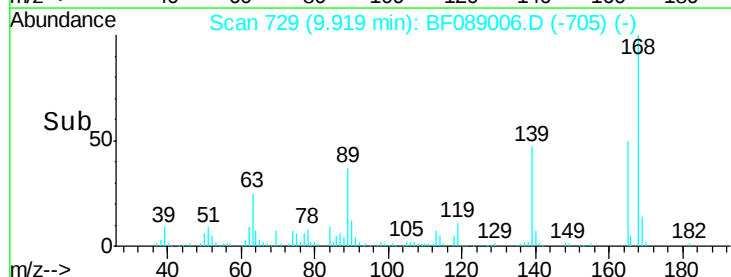


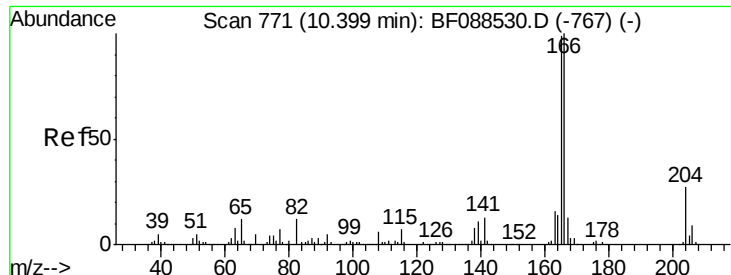
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





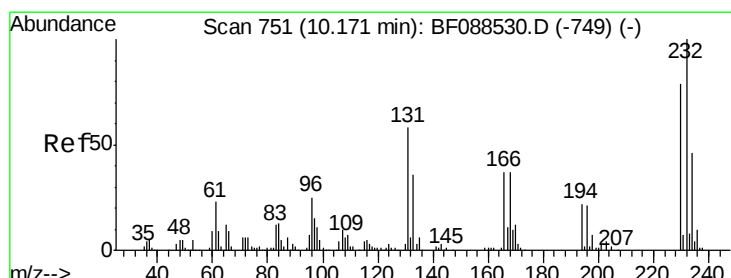
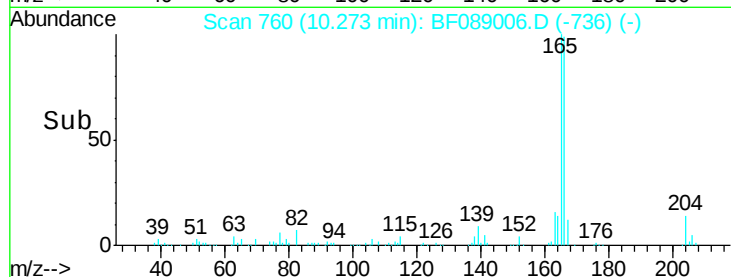
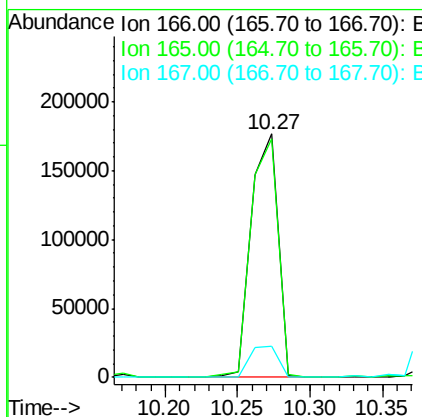
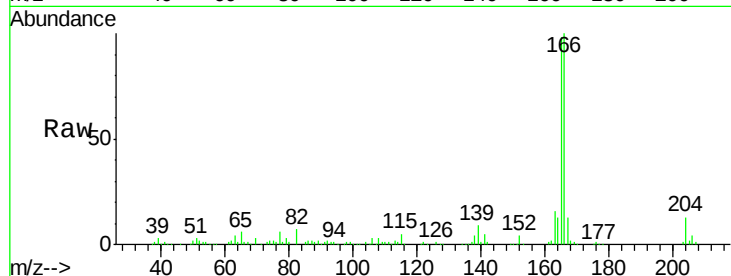
#57
Fluorene
 Concen: 47.15 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.8
167	12.7	11.2	16.8

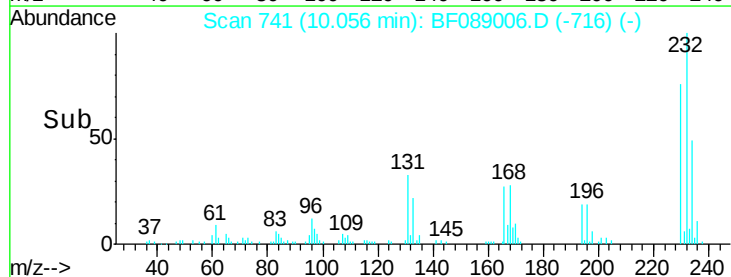
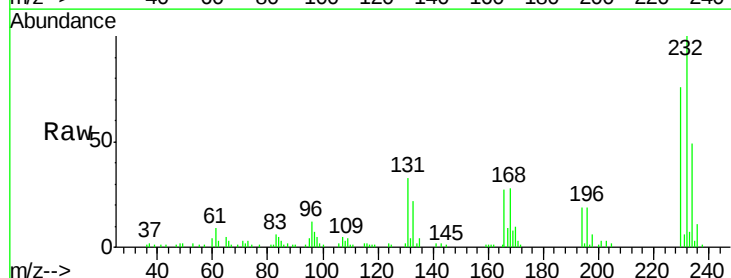
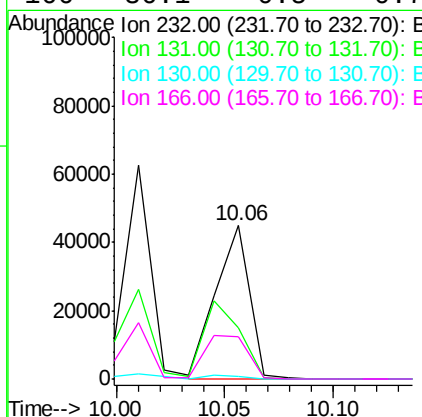
Manual Integrations

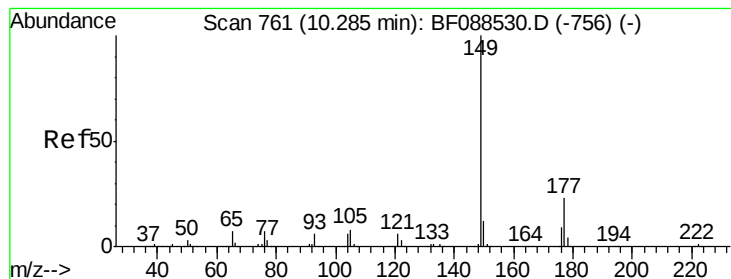
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 43.95 ng
 RT: 10.06 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
232	100		
131	54.4	0.9	1.3#
130	3.0	1.5	2.3#
166	36.1	0.5	0.7#





#59

Diethylphthalate

Concen: 46.68 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

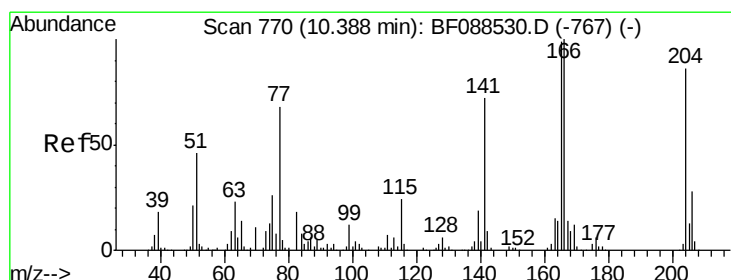
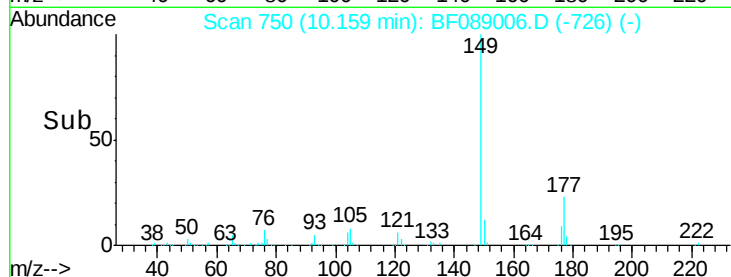
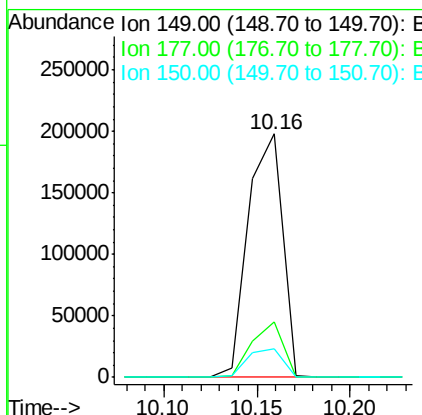
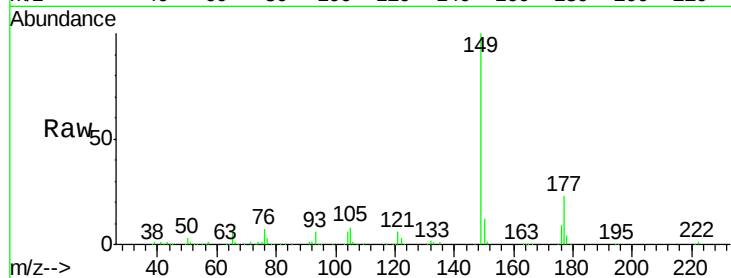
LSS-SS-SS04(0-2in)MSD

Tot Ion:	149	Resp:	251929
Ion Ratio	Lower	Upper	
149	100		
177	22.9	16.9	25.3
150	11.9	10.1	15.1

Manual Integrations

Sohil

7/15/2016 9:16:43 AM



#60

4-Chlorophenyl-phenylether

Concen: 41.85 ng

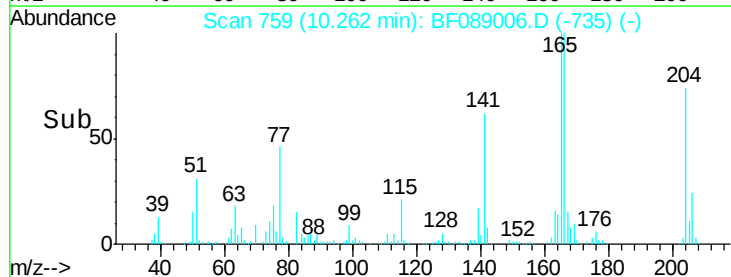
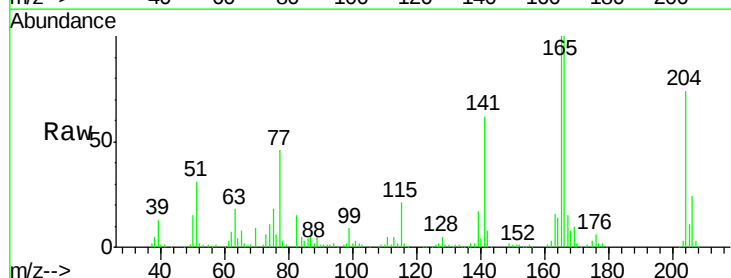
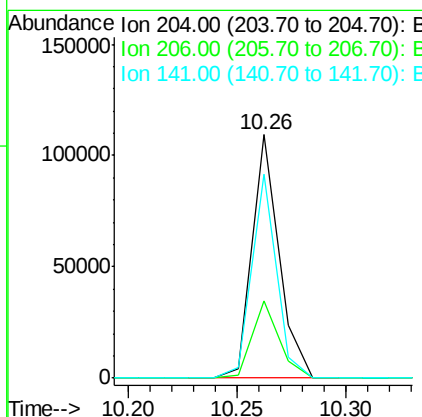
RT: 10.26 min Scan# 759

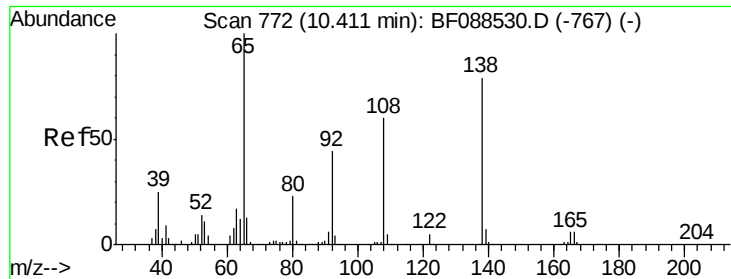
Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion:	204	Resp:	93875
Ion Ratio	Lower	Upper	
204	100		
206	31.8	26.3	39.5
141	84.0	55.0	82.6#





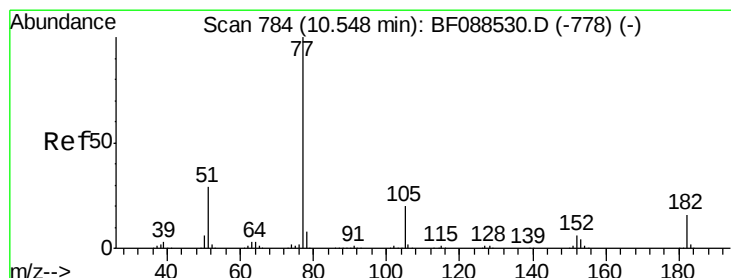
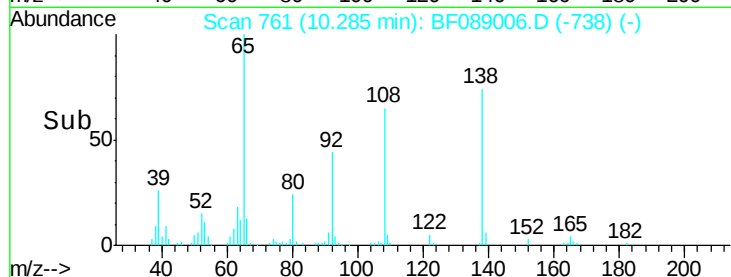
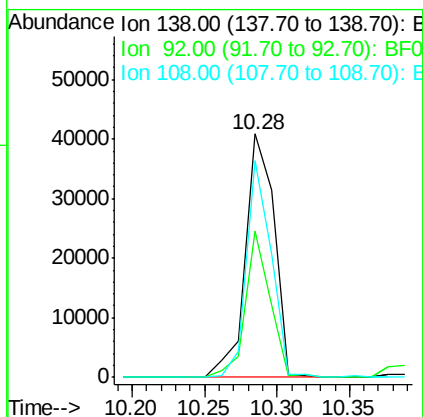
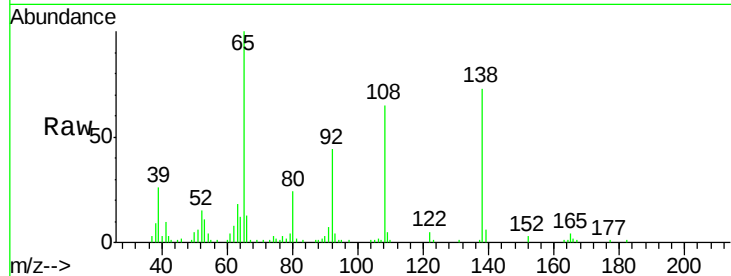
#61
4-Nitroaniline
Concen: 38.67 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.03 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	60.3	27.3	67.3
108	88.8	46.7	86.7

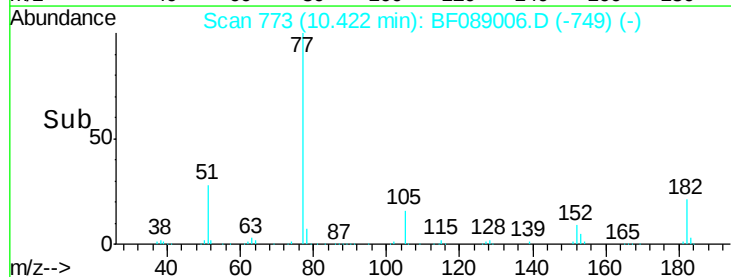
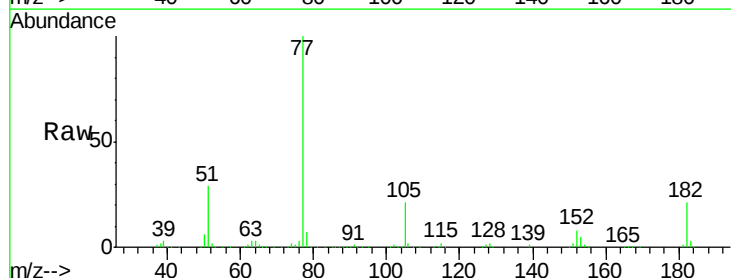
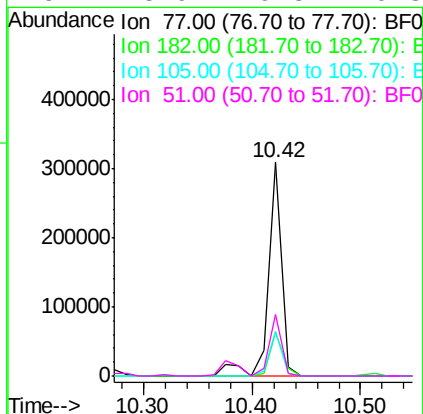
Manual Integrations

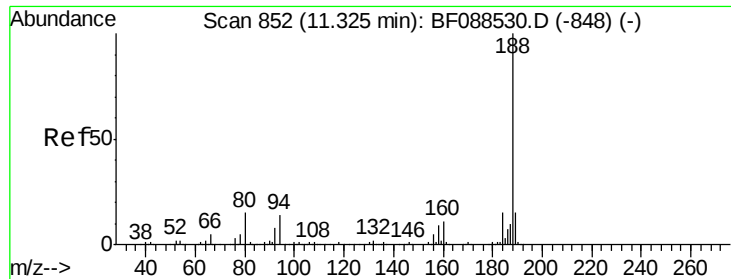
APPROVED
Sohil
7/15/2016 9:16:43 AM



#62
Azobenzene
Concen: 43.77 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.6	4.4	44.4
105	21.1	3.8	43.8
51	28.9	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:188 Resp: 136095

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.6#

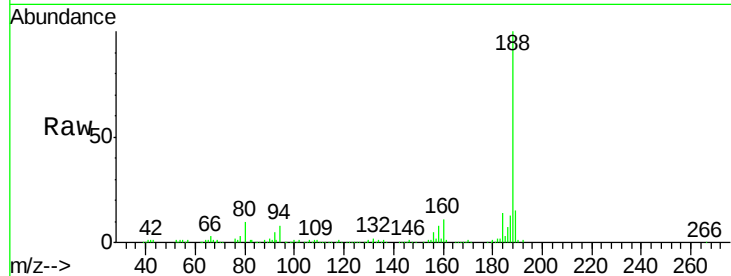
80 9.6 10.0 15.0#

Manual Integrations

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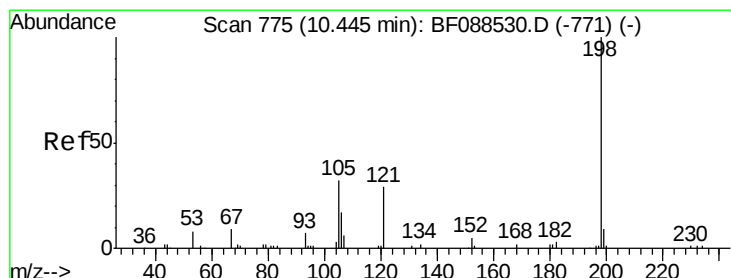
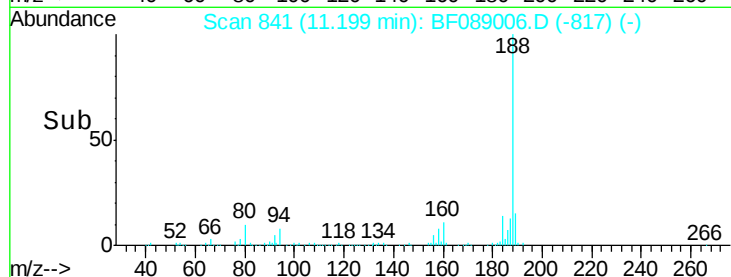
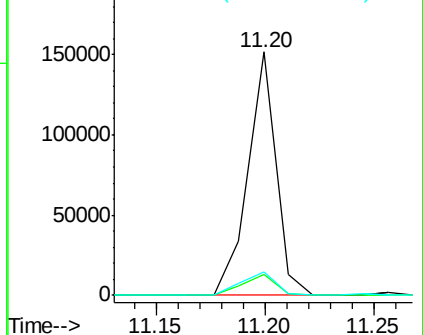
7/15/2016 9:16:43 AM



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: 2.36 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

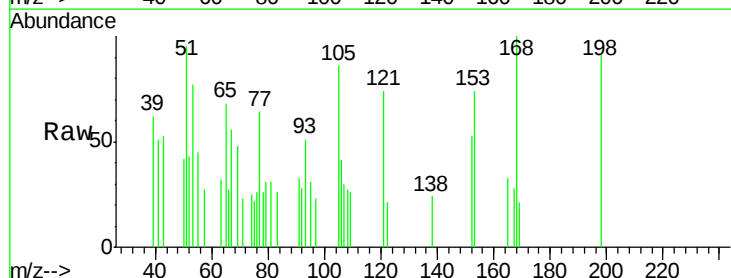
Tgt Ion:198 Resp: 1715

Ion Ratio Lower Upper

198 100

51 104.1 39.6 79.6#

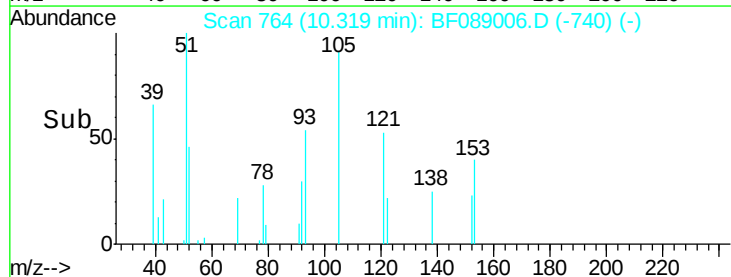
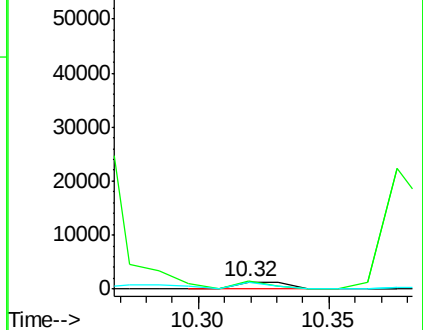
105 94.7 36.6 76.6#

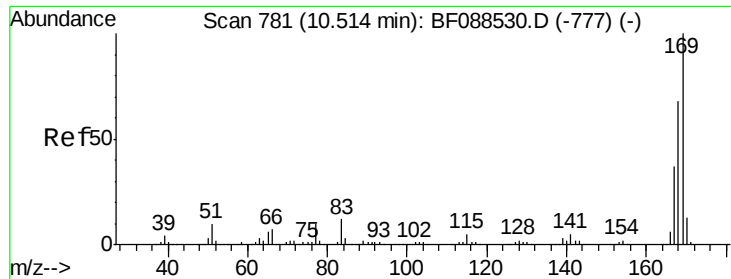


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





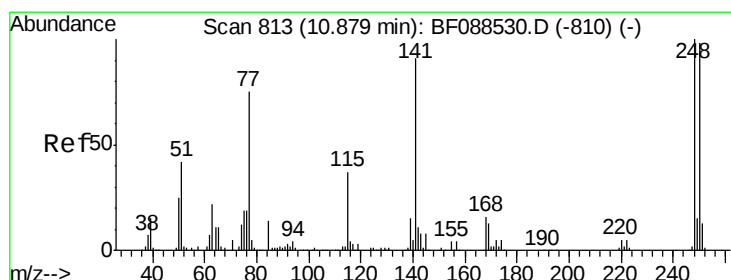
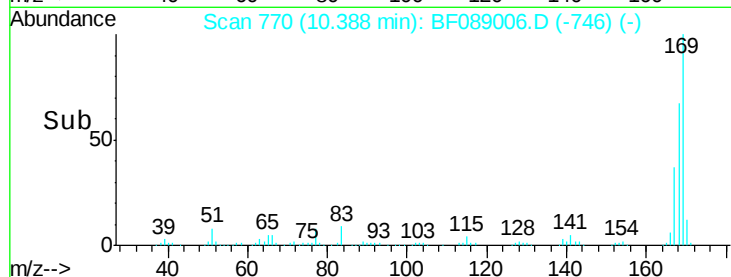
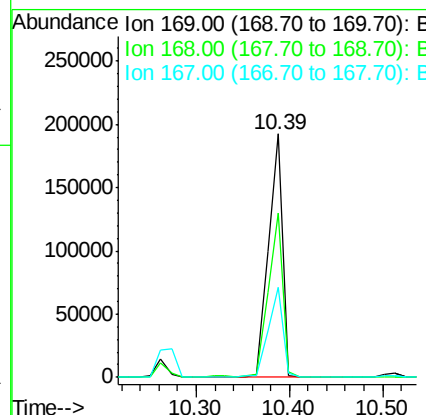
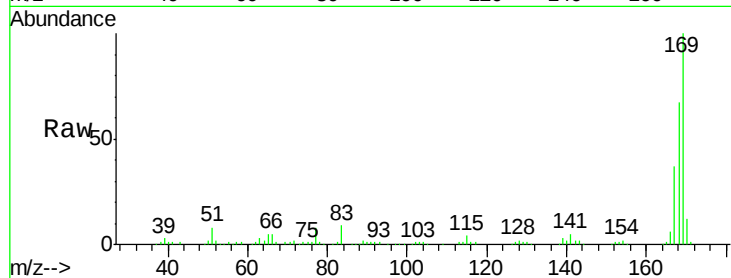
#65
n-Nitrosodiphenylamine
Concen: 44.55 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		205192		
168	67.3	53.4	80.0		
167	37.0	29.4	44.0		

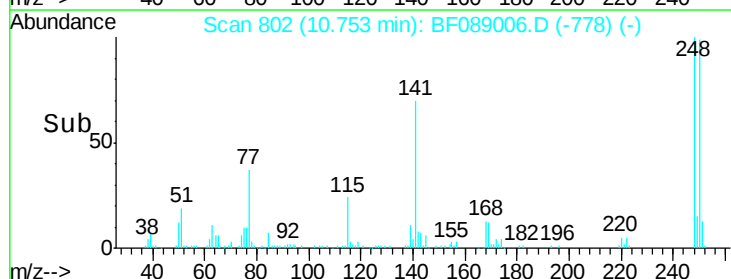
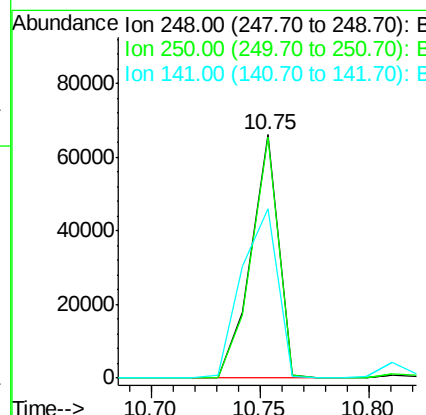
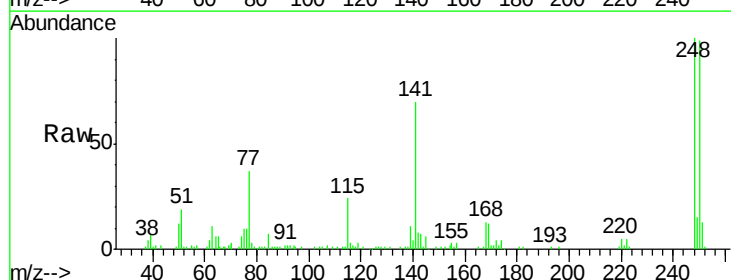
Manual Integrations

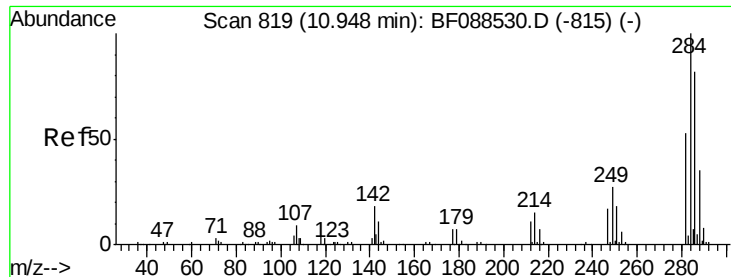
APPROVED
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#66
4-Bromophenyl-phenylether
Concen: 42.36 ng
RT: 10.75 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		58100		
250	99.1	77.1	115.7		
141	69.8	50.6	76.0		





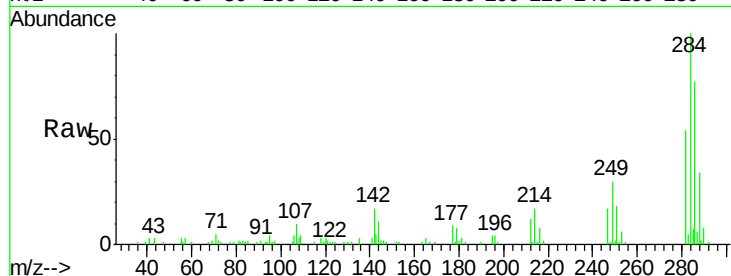
#67
Hexachlorobenzene
Concen: 35.09 ng
RT: 10.82 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

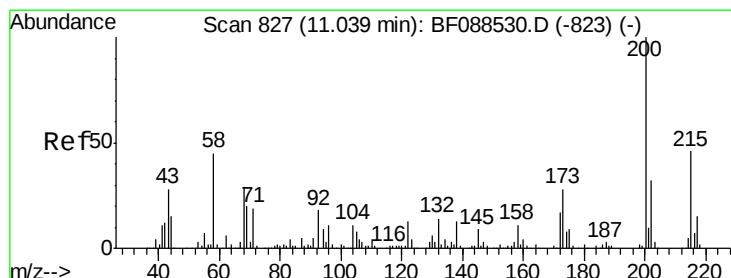
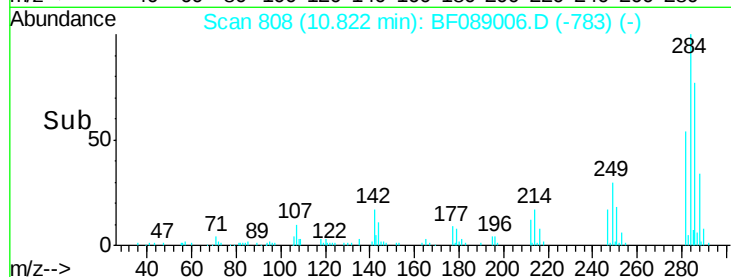
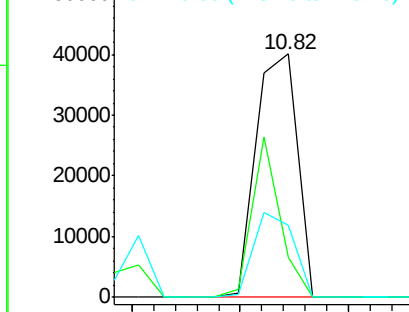
Tot Ion:284 Resp: 53267
Ion Ratio Lower Upper
284 100
142 16.7 35.8 53.8#
249 29.8 25.8 38.6

Manual Integrations

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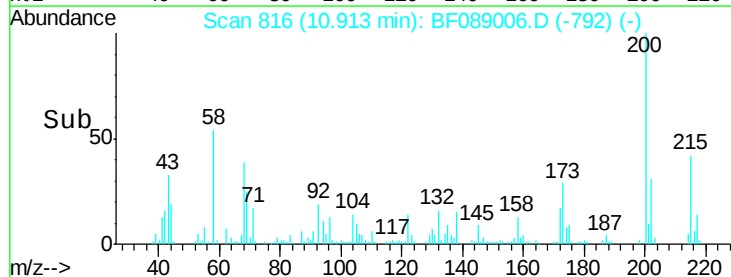
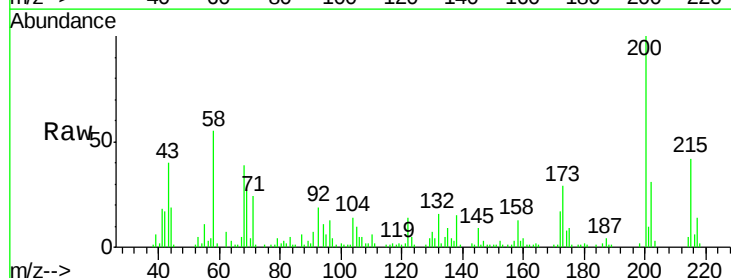
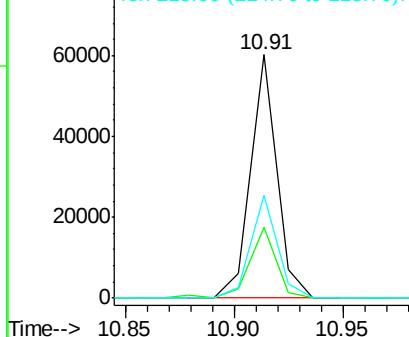
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

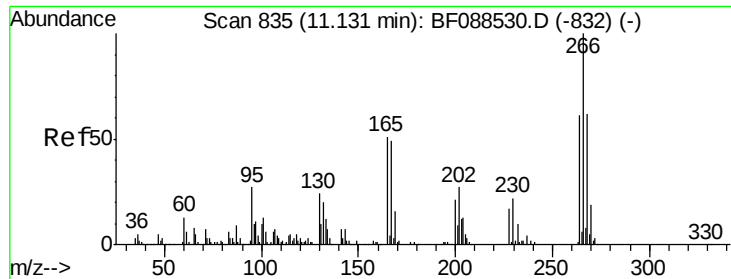


#68
Atrazine
Concen: 34.99 ng
RT: 10.91 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion:200 Resp: 50214
Ion Ratio Lower Upper
200 100
173 29.0 4.0 44.0
215 42.4 29.3 69.3

Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





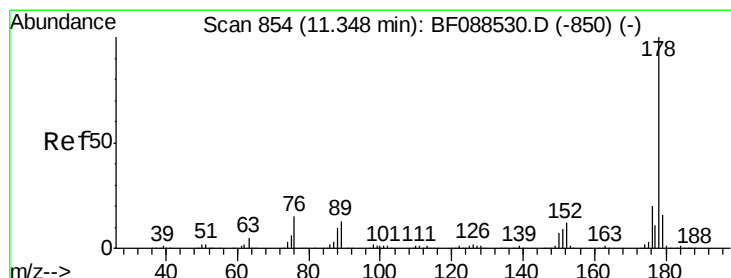
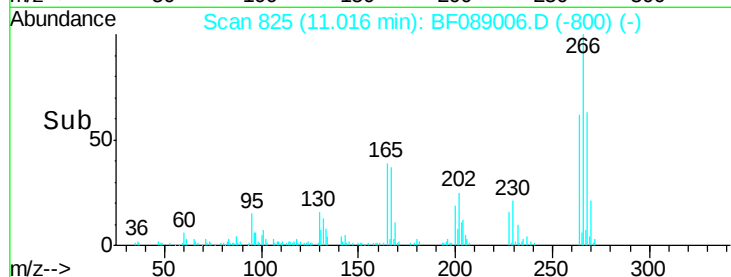
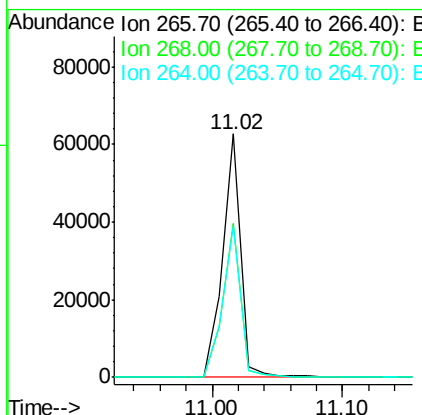
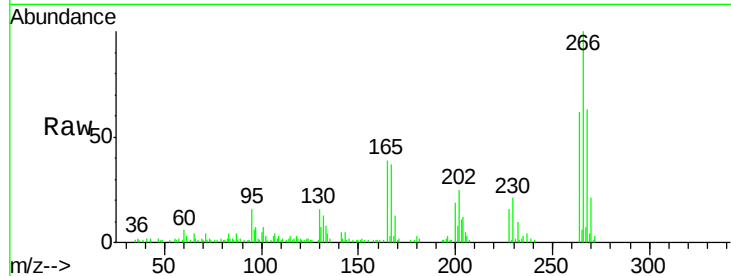
#69
 Pentachlorophenol
 Concen: 67.55 ng
 RT: 11.02 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.8	79.2
264	62.1	49.6	74.4

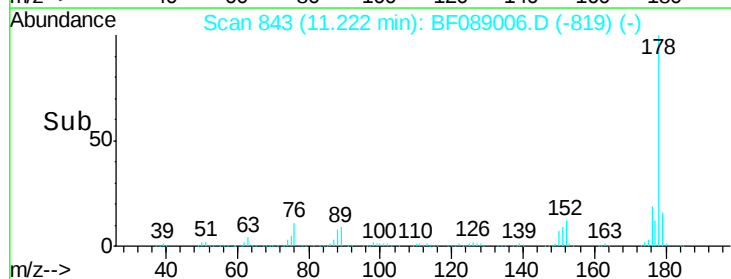
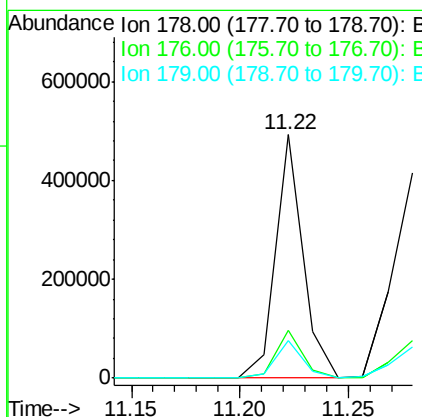
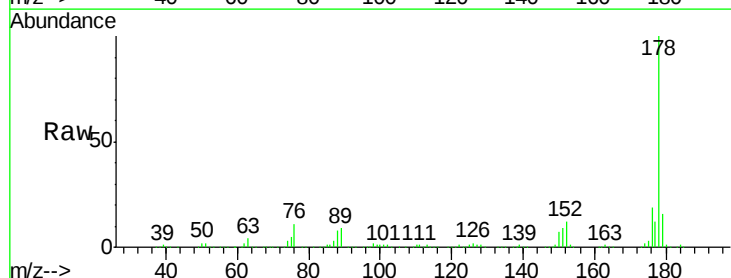
Manual Integrations

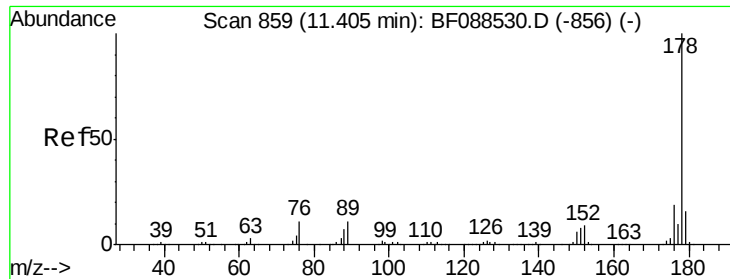
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#70
 Phenanthrene
 Concen: 58.67 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.7	13.0	19.4





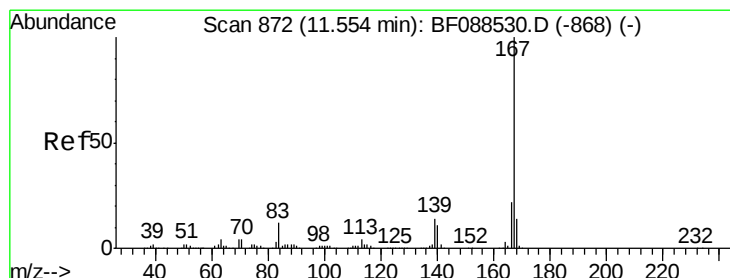
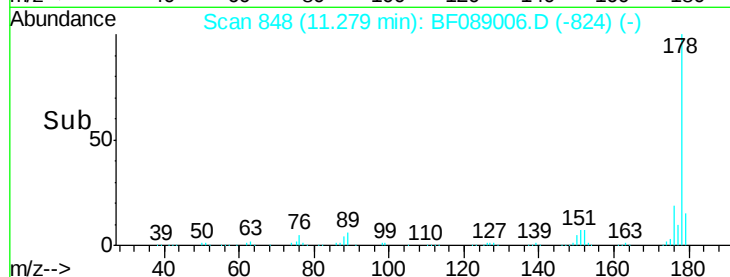
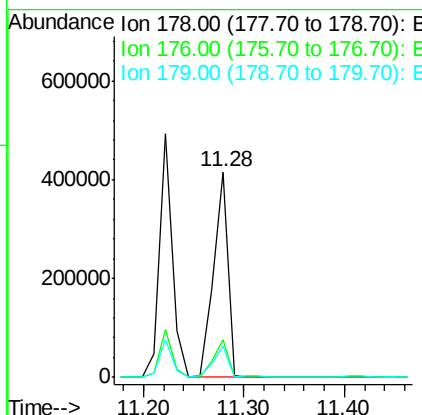
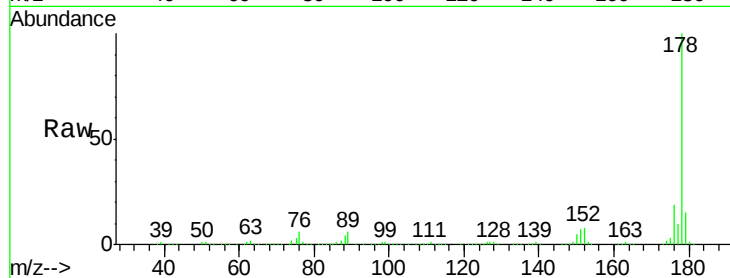
#71
 Anthracene
 Concen: 55.78 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion:178 Resp: 412605
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 14.9 12.8 19.2

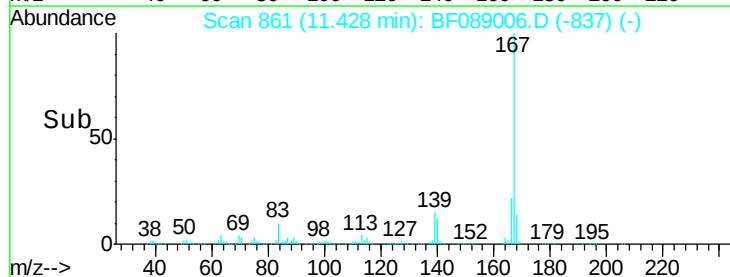
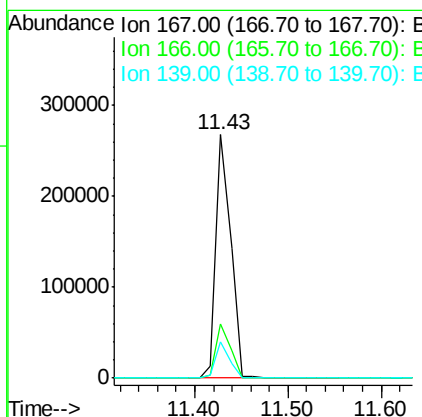
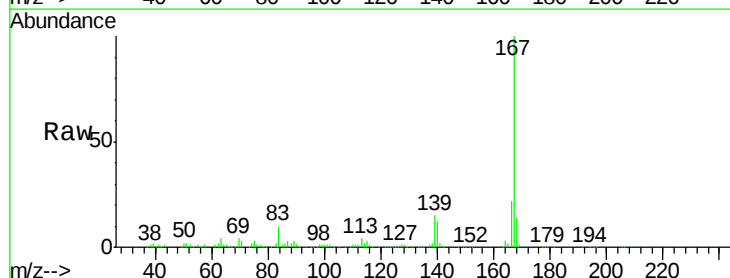
Manual Integrations

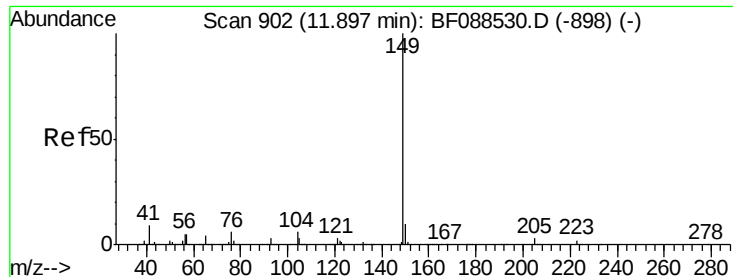
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#72
 Carbazole
 Concen: 42.51 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion:167 Resp: 295941
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.6
 139 15.0 11.2 16.8





#73

Di-n-butylphthalate

Concen: 47.32 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

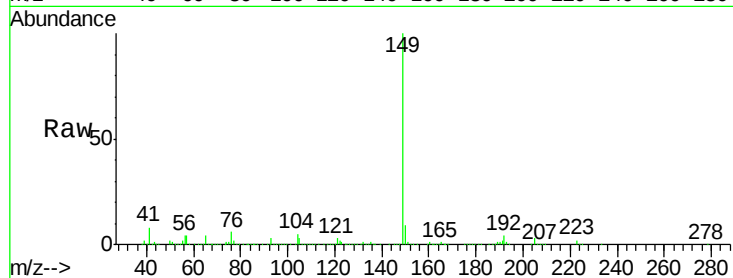
ClientSampleId :

LSS-SS-SS04(0-2in)MSD

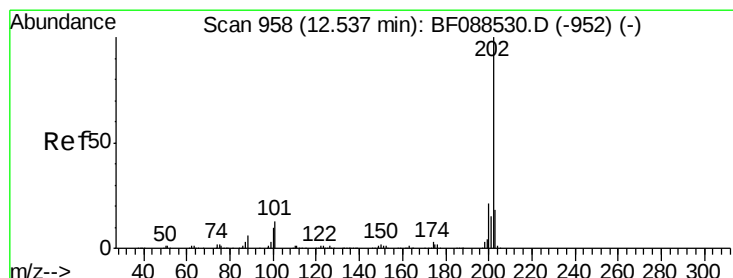
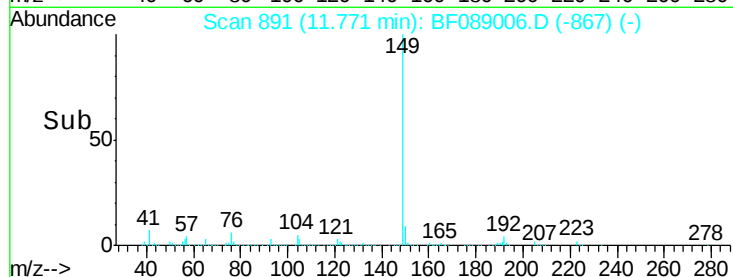
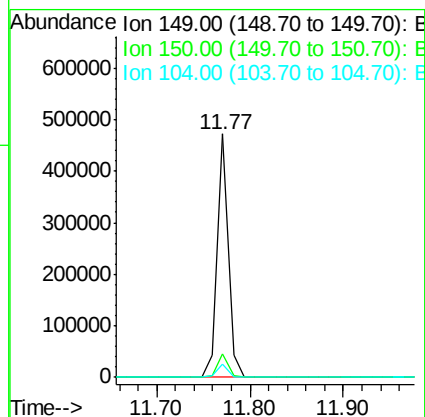
Manual Integrations

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Tot Ion	149	Resp	383193
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	5.5	4.0	6.0



#74

Fluoranthene

Concen: 101.02 ng

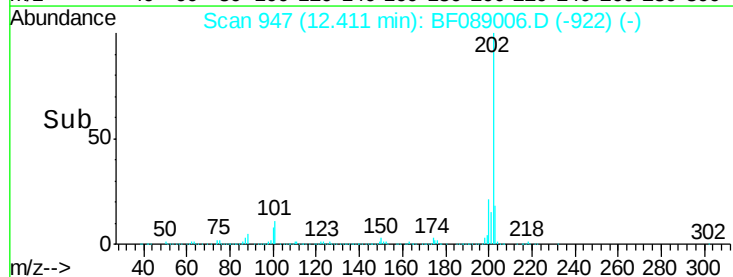
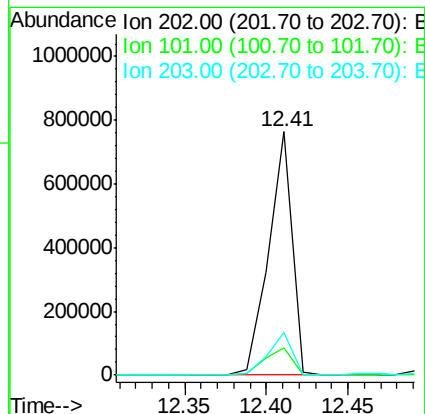
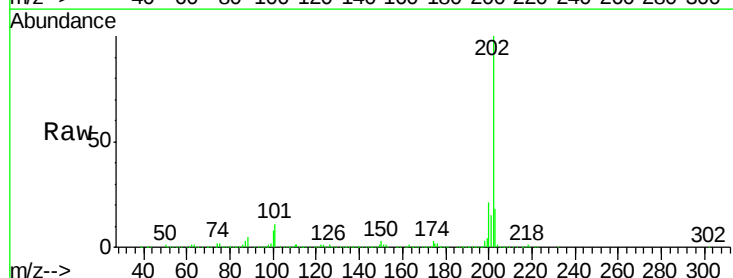
RT: 12.41 min Scan# 947

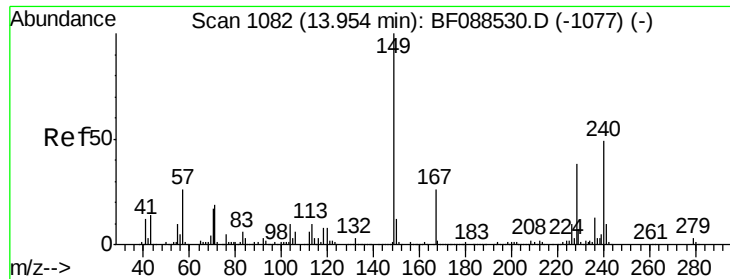
Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion	202	Resp	761894
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	33.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)MSD

Tot Ion:240 Resp: 94452

Ion Ratio Lower Upper

240 100

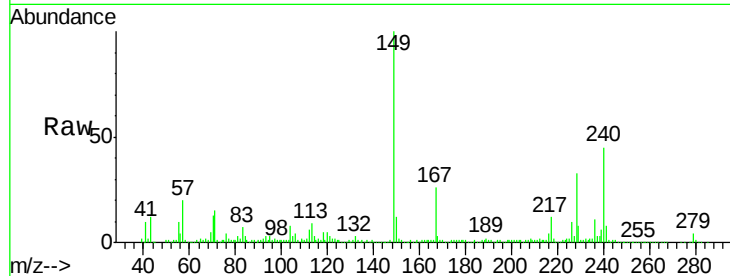
120 11.3 6.8 10.2#

236 24.7 20.2 30.2

Manual Integrations

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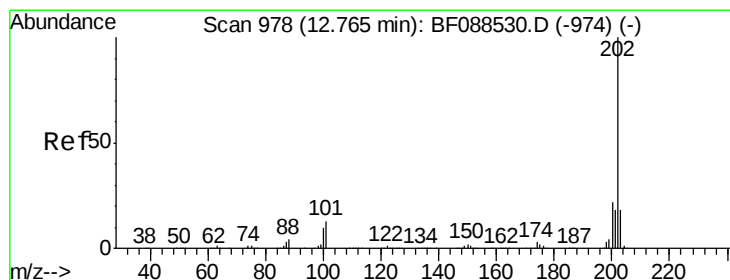
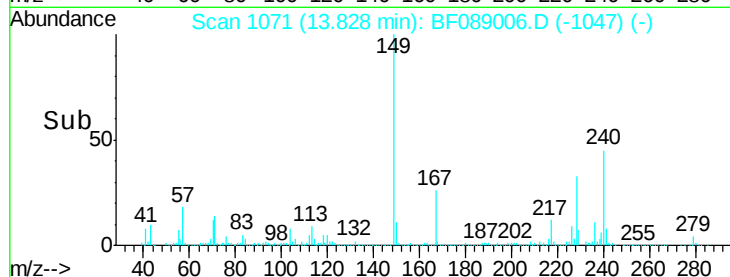
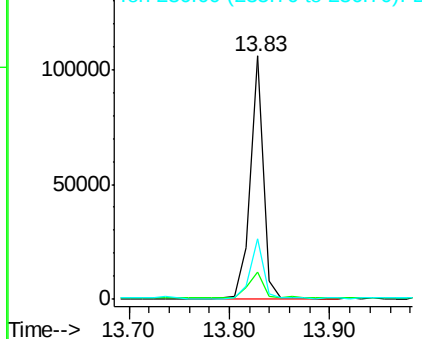
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 92.02 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

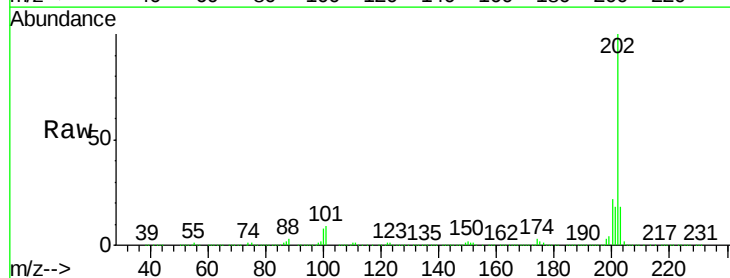
Tgt Ion:202 Resp: 736929

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

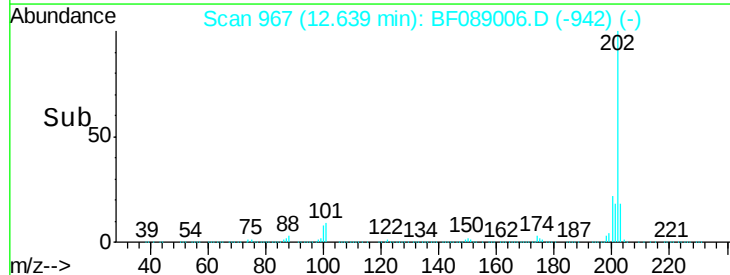
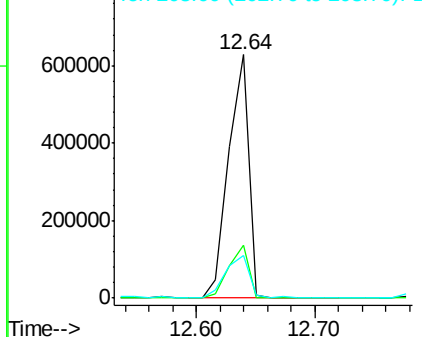
203 17.7 14.5 21.7

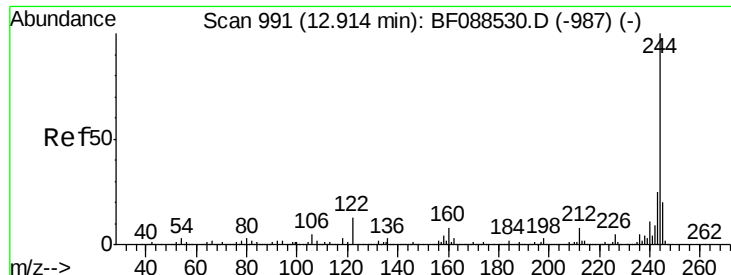


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





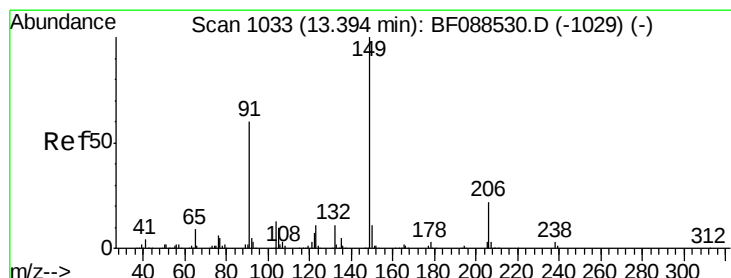
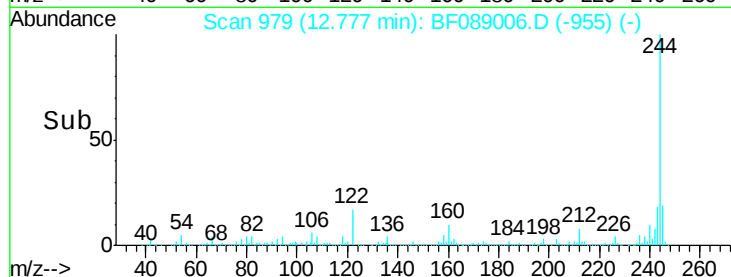
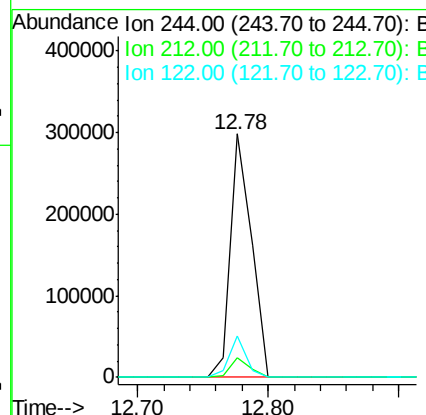
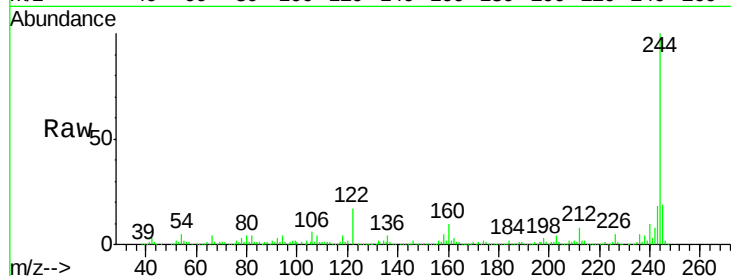
#78
 Terphenyl-d14
 Concen: 78.68 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	17.2	11.2	16.8

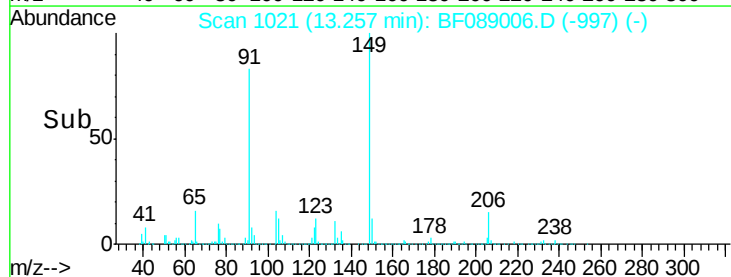
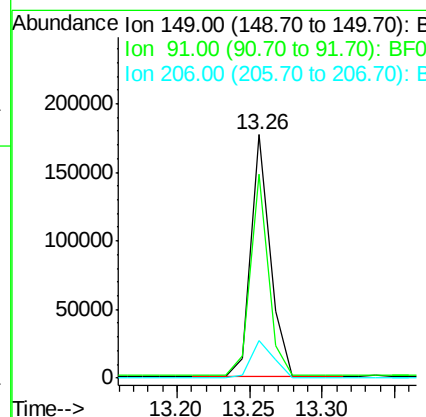
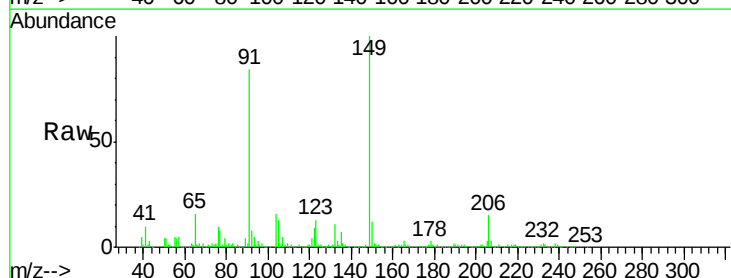
Manual Integrations

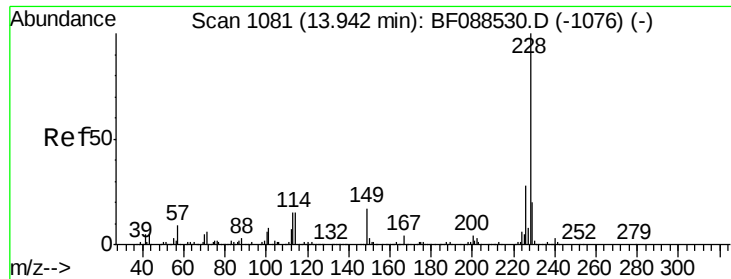
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#79
 Butylbenzylphthalate
 Concen: 45.55 ng
 RT: 13.26 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: BF089006.D
 Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	83.7	48.0	72.0
206	15.3	16.0	24.0





#80

Benzo(a)anthracene

Concen: 70.55 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

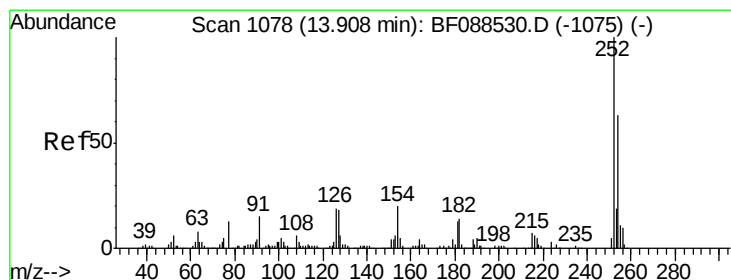
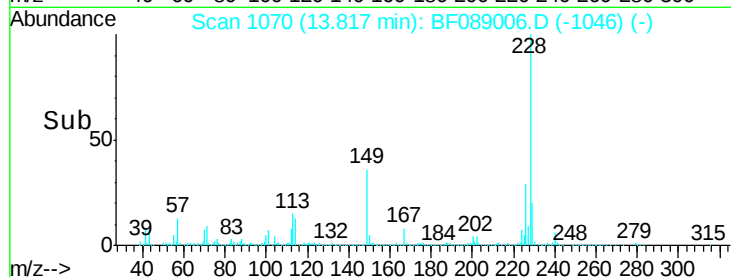
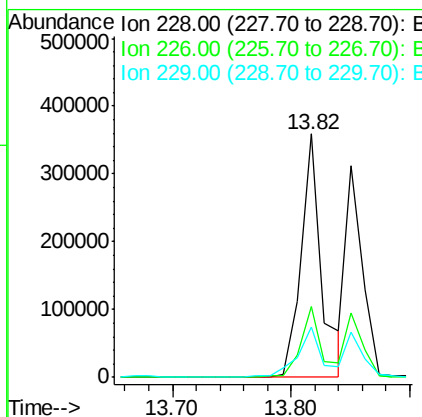
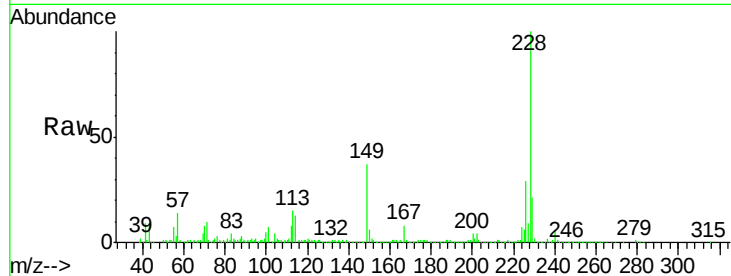
LSS-SS-SS04(0-2in)MSD

Tot Ion:	228	Resp:	429101
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.3	33.5
229	20.7	16.0	24.0

Manual Integrations

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#81

3,3'-Dichlorobenzidine

Concen: 18.14 ng

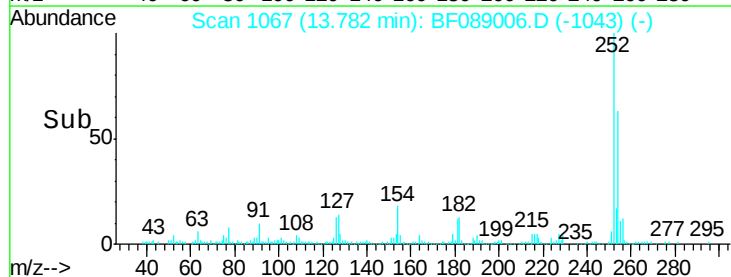
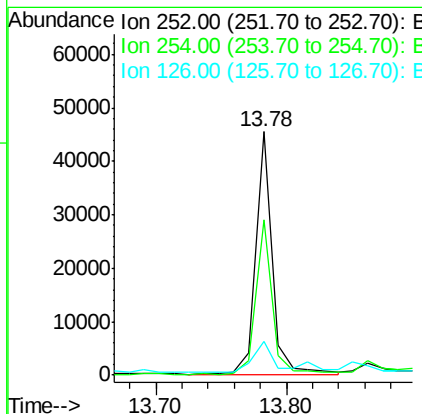
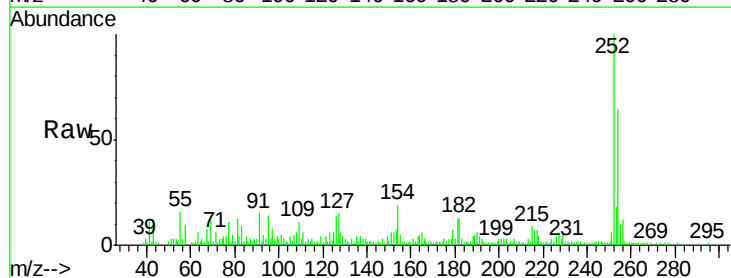
RT: 13.78 min Scan# 1067

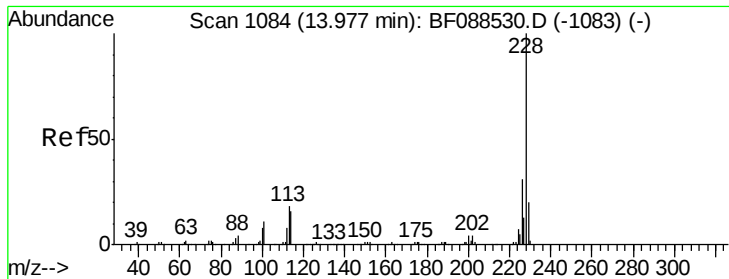
Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion:	252	Resp:	41490
Ion Ratio	Lower	Upper	
252	100		
254	63.6	52.6	78.8
126	14.0	6.2	9.2#





#82

Chrvsene

Concen: 50.94 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Instrument :

BNA_F

ClientSampleId :

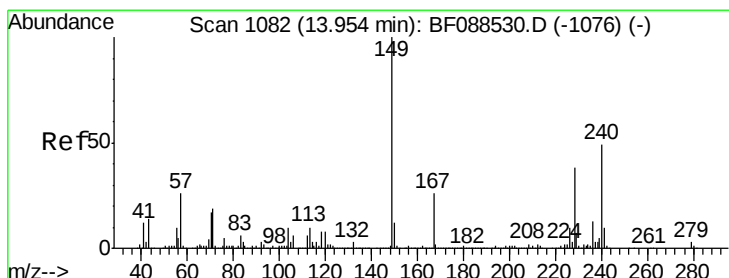
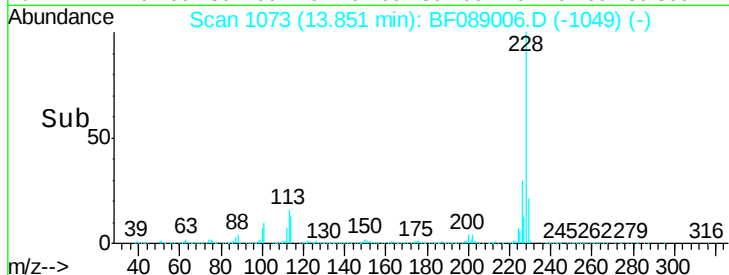
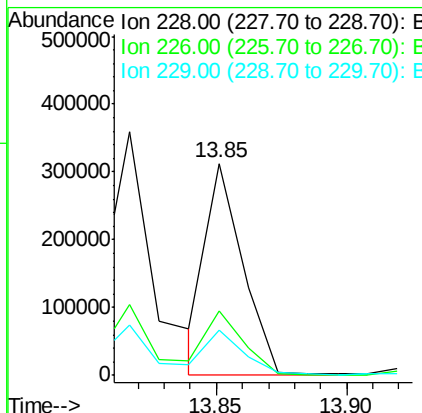
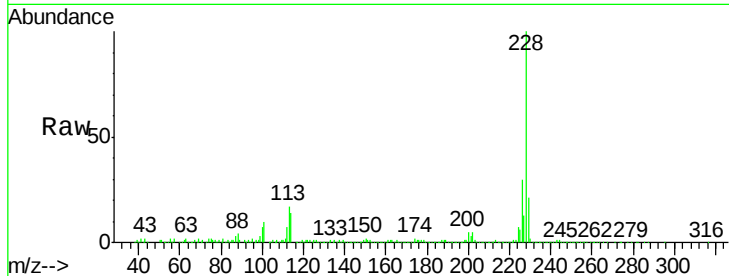
LSS-SS-SS04(0-2in)MSD

Tot Ion:	228	Resp:	306509
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.4	38.2
229	21.3	16.3	24.5

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 64.23 ng

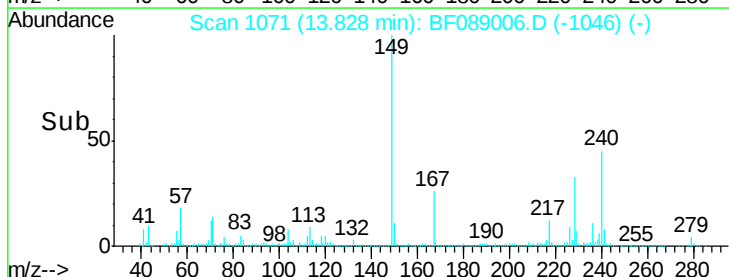
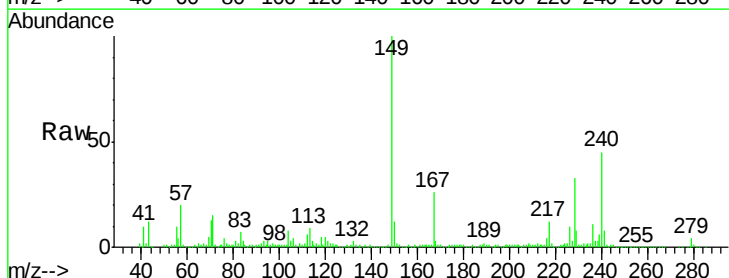
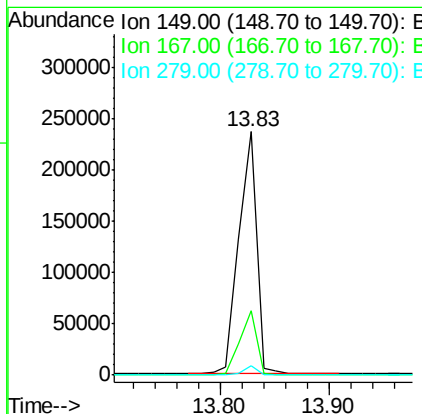
RT: 13.83 min Scan# 1071

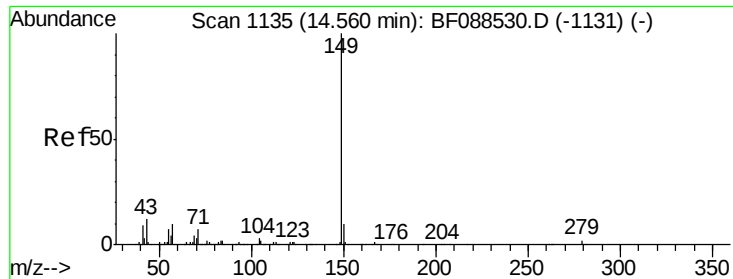
Delta R.T. -0.01 min

Lab File: BF089006.D

Acq: 15 Jul 2016 1:21

Tgt Ion:	149	Resp:	261963
Ion Ratio	Lower	Upper	
149	100		
167	26.3	20.5	30.7
279	3.7	2.0	3.0#





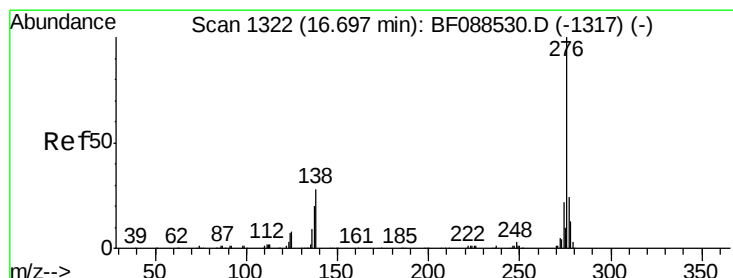
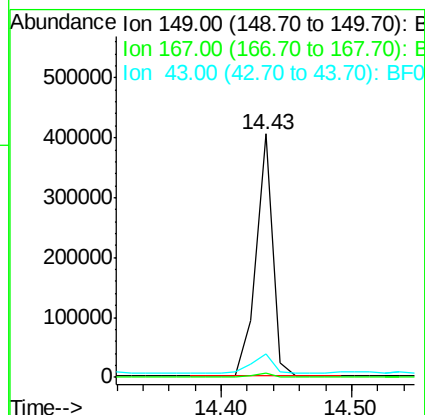
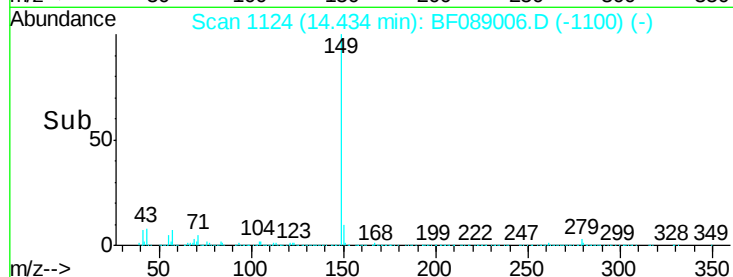
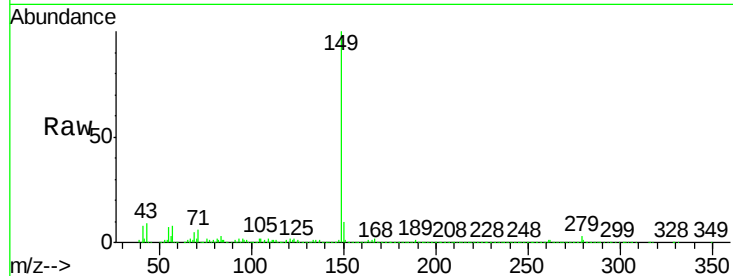
#84
Di-n-octyl phthalate
Concen: 51.77 ng
RT: 14.43 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion:	149	Resp:	358721
Ion Ratio	Lower	Upper	
149	100		
167	1.6	0.0	0.0#
43	9.5	0.0	0.0#

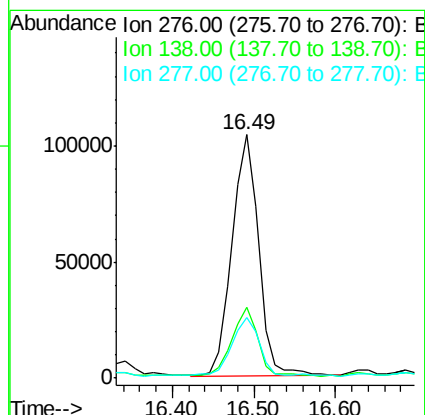
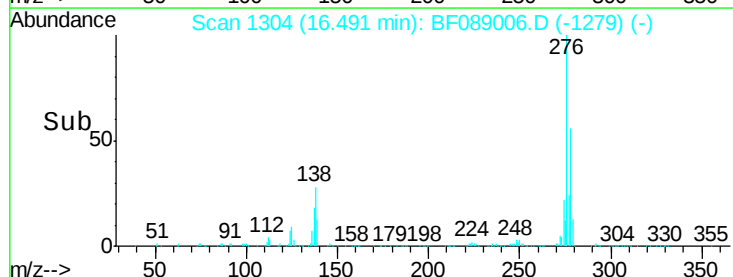
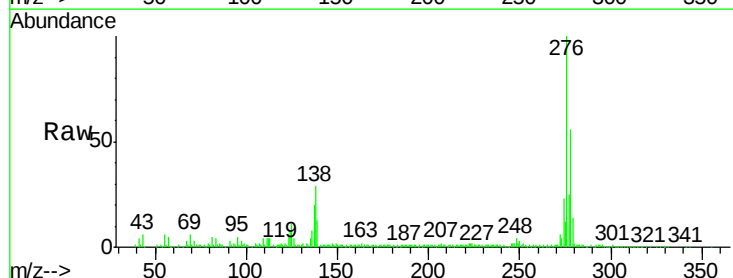
Manual Integrations

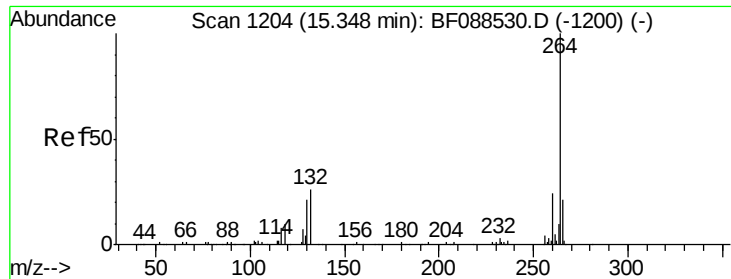
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#85
Indeno(1,2,3-cd)pyrene
Concen: 50.68 ng
RT: 16.49 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion:	276	Resp:	234621
Ion Ratio	Lower	Upper	
276	100		
138	27.8	0.0	0.0#
277	25.8	0.0	0.0#





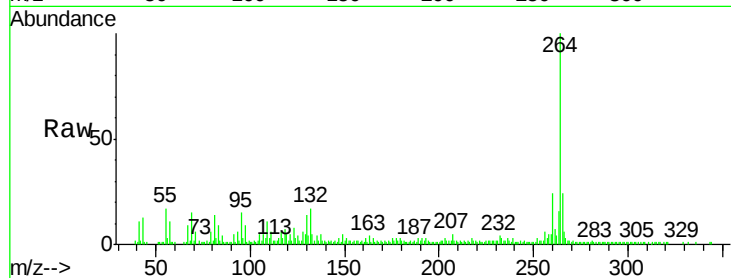
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	24.0	16.9	25.3

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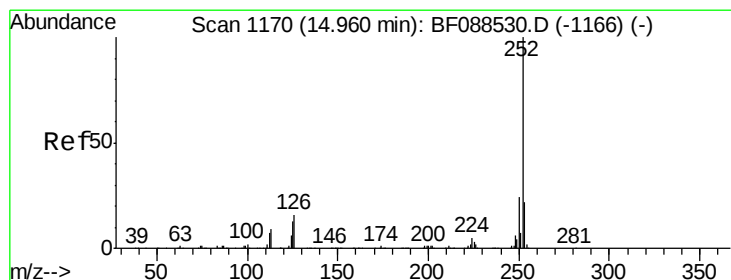
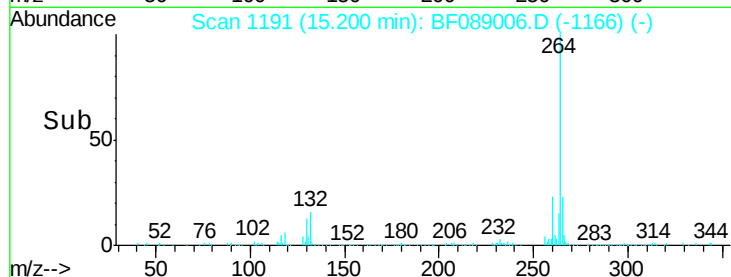
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



#87
Benzo(b)fluoranthene
Concen: 82.04 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	13.9	7.1	10.7

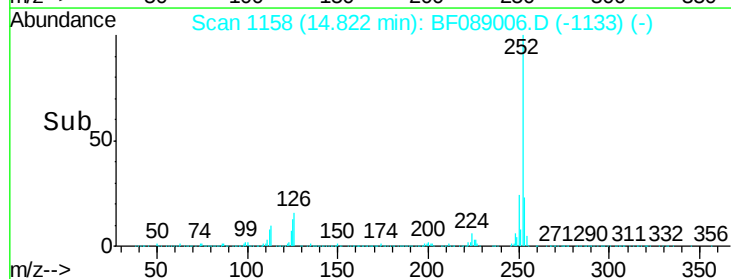
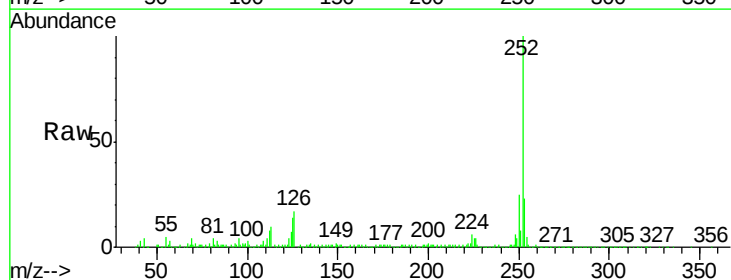
Abundance

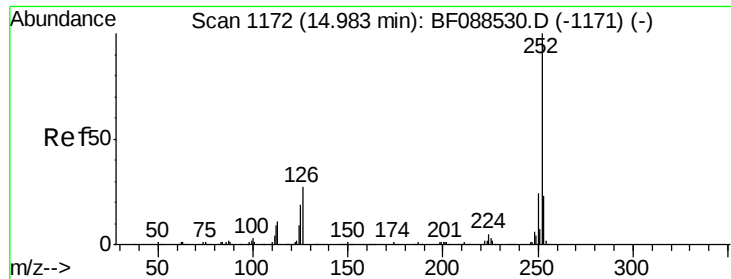
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





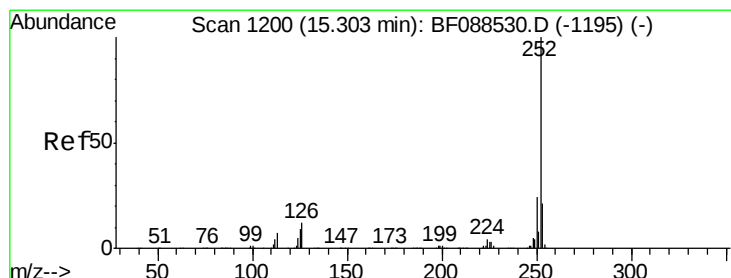
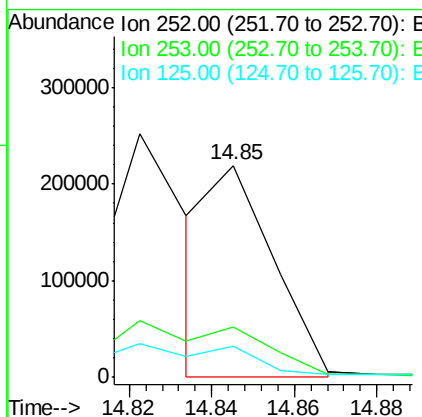
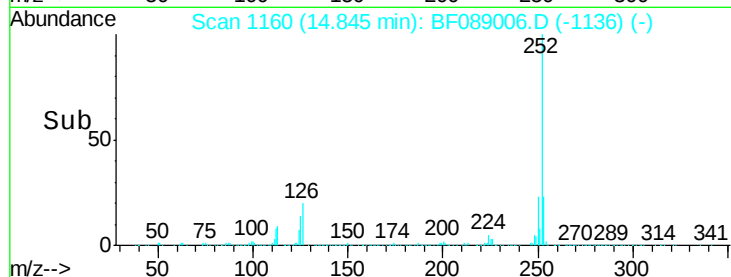
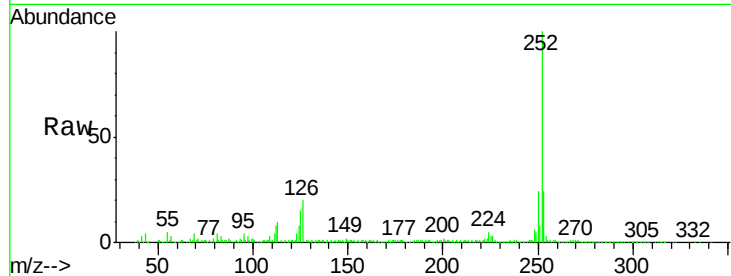
#88
Benzo(k)fluoranthene
Concen: 60.87 ng m
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	14.8	11.2	16.8

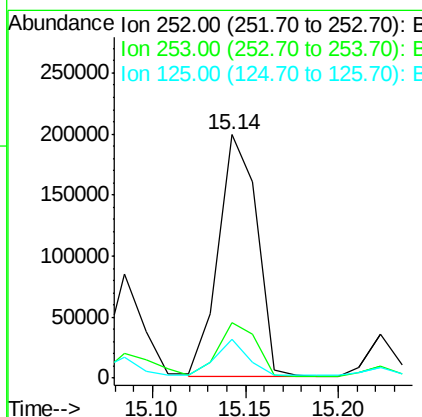
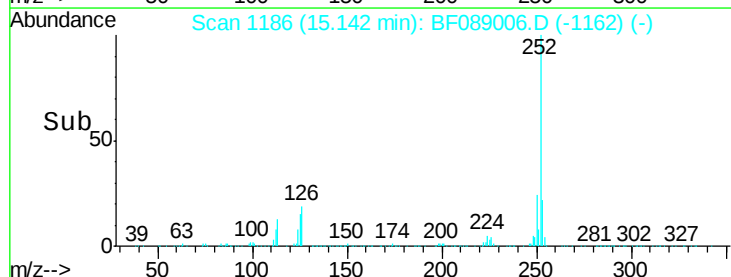
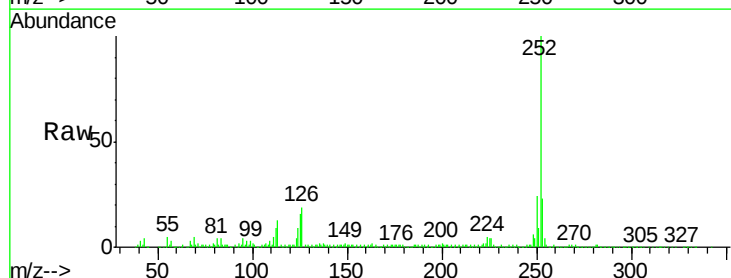
Manual Integrations

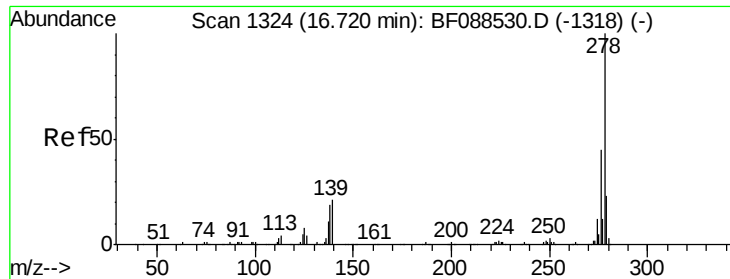
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#89
Benzo(a)pyrene
Concen: 79.26 ng
RT: 15.14 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	16.0	12.5	18.7





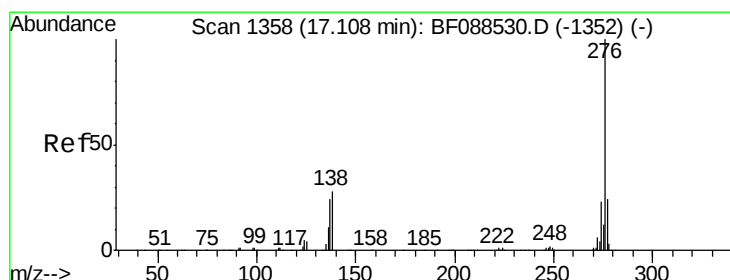
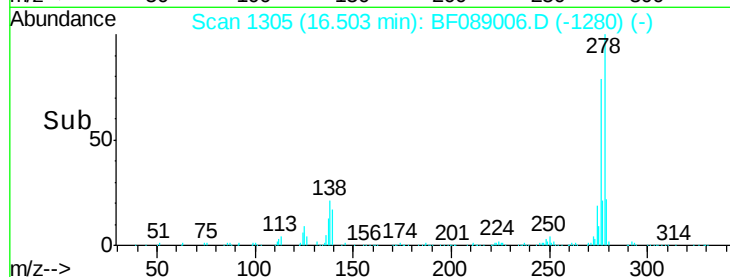
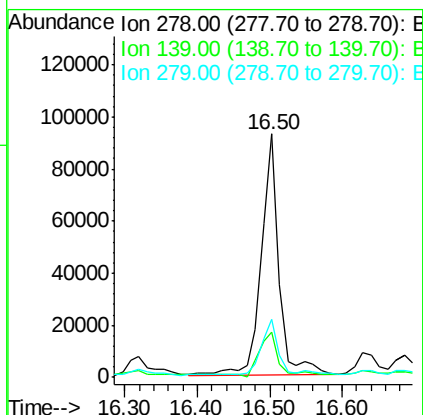
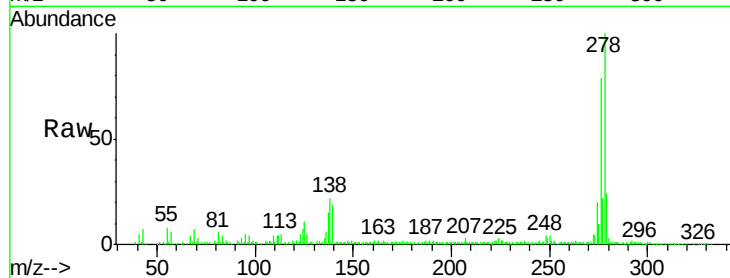
#90
Dibenzo(a,h)anthracene
Concen: 53.27 ng
RT: 16.50 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.7	23.5
279	23.9	19.4	29.2

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 64.24 ng
RT: 16.88 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF089006.D
Acq: 15 Jul 2016 1:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	24.6	21.4	32.2

