

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
 Data File : BF088903.D
 Acq On : 11 Jul 2016 17:00
 Operator : UM/SJ
 Sample : H3813-19MS 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

Manual Integrations

sohil
 7/12/2016 7:37:31 PM

Quant Time: Jul 12 11:30:32 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	6.71	152	76873	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	337229	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	144789	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	250245	20.00	ng	0.00
75) Chrysene-d12	13.84	240	174735	20.00	ng	-0.01
86) Perylene-d12	15.21	264	149224	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	226	0.04	ng	0.01
7) Phenol-d6	6.34	99	393	0.06	ng	-0.01
23) Nitrobenzene-d5	7.27	82	12084	1.88	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.07	172	26945	2.94	ng	0.00
78) Terphenyl-d14	12.80	244	23135	2.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	1798	0.71	ng	# 27
3) Pyridine	2.99	79	484	0.07	ng	# 1
4) n-Nitrosodimethylamine	2.75	42	2447	0.87	ng	# 1
6) Aniline	6.40	93	2802	0.29	ng	# 45
9) Benzaldehyde	6.25	77	1974	0.44	ng	# 91
11) bis(2-Chloroethyl)ether	6.44	93	2792	0.49	ng	# 82
12) 1,3-Dichlorobenzene	6.65	146	2479	0.41	ng	# 93
13) 1,4-Dichlorobenzene	6.73	146	2703	0.45	ng	# 98
14) 1,2-Dichlorobenzene	6.88	146	2710	0.48	ng	# 89
15) Benzyl Alcohol	6.86	79	2554	0.52	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	3645	0.45	ng	# 87
18) Hexachloroethane	7.22	117	520	0.22	ng	# 86
19) n-Nitroso-di-n-propylamine	7.12	70	2239	0.50	ng	# 89
22) Acetophenone	7.12	105	2730	0.33	ng	# 88
24) Nitrobenzene	7.29	77	3254	0.50	ng	# 88
25) Isophorone	7.53	82	5666	0.48	ng	# 93
28) bis(2-Chloroethoxy)methane	7.75	93	3461	0.45	ng	# 87
30) 1,2,4-Trichlorobenzene	7.94	180	2437	0.50	ng	# 99
31) Naphthalene	8.02	128	8042	0.48	ng	# 99
33) 4-Chloroaniline	8.07	127	455	0.06	ng	# 46
34) Hexachlorobutadiene	8.15	225	1177	0.45	ng	# 93
37) 2-Methylnaphthalene	8.71	142	5795m	0.54	ng	# 1
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	2308	0.48	ng	# 93
45) 1,1'-Biphenyl	9.18	154	6441	0.54	ng	# 89
46) 2-Chloronaphthalene	9.19	162	4513	0.48	ng	# 94
47) 2-Nitroaniline	9.29	65	643	0.19	ng	# 98
48) Acenaphthylene	9.60	152	6330	0.42	ng	# 95
49) Dimethylphthalate	9.47	163	5897	0.57	ng	# 66
50) 2,6-Dinitrotoluene	9.53	165	881	0.39	ng	# 97
51) Acenaphthene	9.78	154	4276	0.47	ng	# 67
52) 3-Nitroaniline	9.69	138	232	0.08	ng	# 98
54) Dibenzofuran	9.95	168	7121	0.59	ng	# 53
56) 2,4-Dinitrotoluene	9.93	165	900	0.30	ng	# 95
57) Fluorene	10.28	166	5945	0.64	ng	

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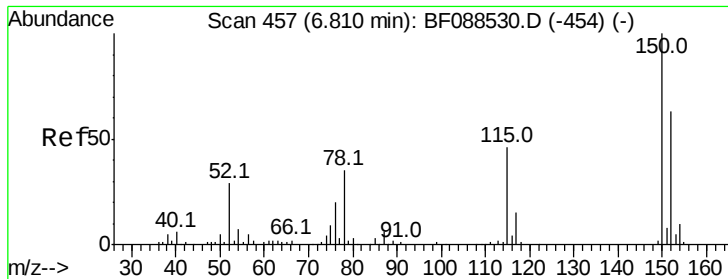
Manual Integrations

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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	10.17	149	6867	0.66	nq	98
60) 4-Chlorophenyl-phenylether	10.28	204	2821	0.66	nq	89
61) 4-Nitroaniline	10.30	138	272	0.10	nq #	73
62) Azobenzene	10.44	77	5765	0.49	nq	92
65) n-Nitrosodiphenylamine	10.40	169	692	0.08	nq #	76
66) 4-Bromophenyl-phenylether	10.78	248	1575	0.62	nq	93
67) Hexachlorobenzene	10.83	284	1579	0.57	nq	96
68) Atrazine	10.92	200	1488	0.56	nq	91
70) Phenanthrene	11.24	178	9308	0.68	nq	99
71) Anthracene	11.29	178	4830	0.36	nq	97
72) Carbazole	11.45	167	4717	0.37	nq	100
73) Di-n-butylphthalate	11.79	149	11649	0.78	nq	97
74) Fluoranthene	12.42	202	9154	0.66	nq	96
76) Benzidine	12.55	184	344	0.04	nq #	66
77) Pyrene	12.65	202	7670	0.52	nq	96
79) Butylbenzylphthalate	13.28	149	4208	0.64	nq #	80
80) Benzo(a)anthracene	13.83	228	5847m	0.52	nq	
81) 3,3'-Dichlorobenzidine	13.81	252	1009	0.24	nq #	96
82) Chrysene	13.86	228	6431	0.58	nq	95
83) Bis(2-ethylhexyl)phthalate	13.84	149	6320	0.84	nq #	95
84) Di-n-octyl phthalate	14.46	149	11964	0.93	nq #	100
85) Indeno(1,2,3-cd)pyrene	16.50	276	5454	0.64	nq #	100
87) Benzo(b)fluoranthene	14.83	252	6378m	0.68	nq	
88) Benzo(k)fluoranthene	14.86	252	5764m	0.71	nq	
89) Benzo(a)pyrene	15.15	252	2889	0.36	nq #	35
90) Dibenzo(a,h)anthracene	16.51	278	4303	0.65	nq #	66
91) Benzo(g,h,i)perylene	16.88	276	3726	0.54	nq #	70

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:152 Resp: 76873

Ion Ratio Lower Upper

152 100

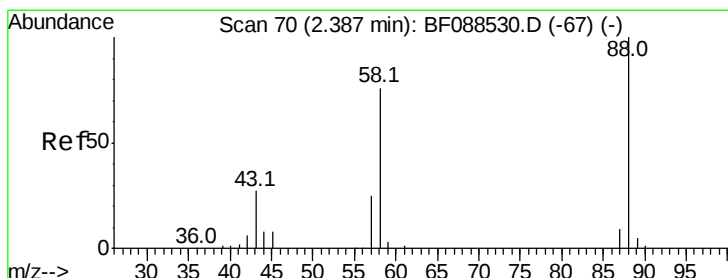
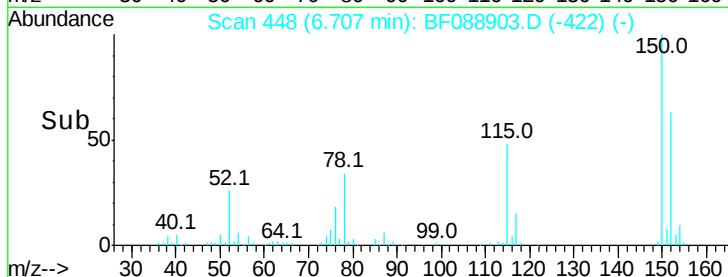
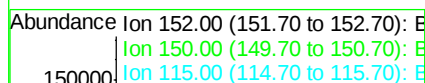
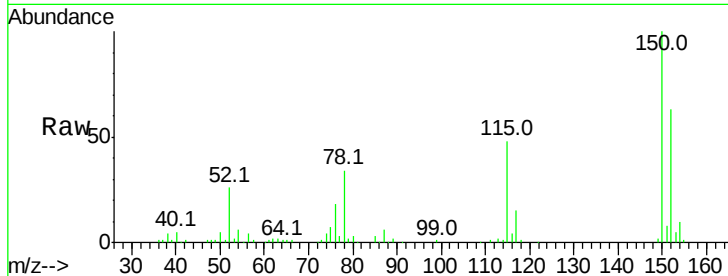
150 158.5 123.8 185.6

115 76.1 39.6 59.4#

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#2

1,4-Dioxane

Concen: 0.71 ng

RT: 2.23 min Scan# 56

Delta R.T. 0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

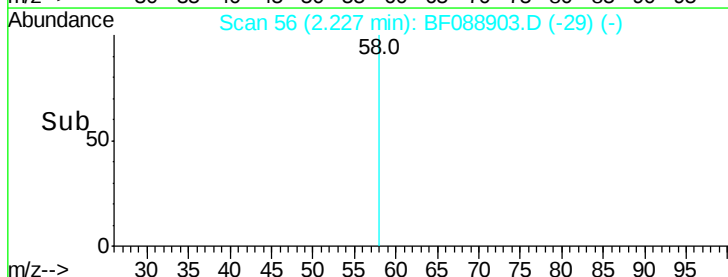
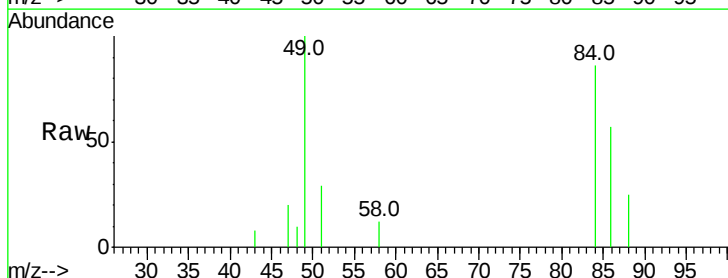
Tgt Ion: 88 Resp: 1798

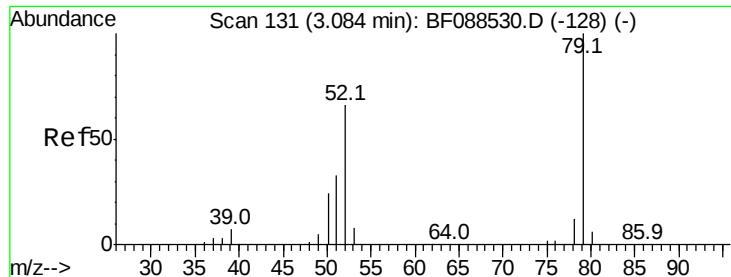
Ion Ratio Lower Upper

88 100

58 44.9 0.0 0.0#

43 28.3 3.4 5.2#





#3

Pvridine

Concen: 0.07 ng

RT: 2.99 min Scan# 123

Delta R.T. 0.11 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion: 79 Resp: 484

Ion Ratio Lower Upper

79 100

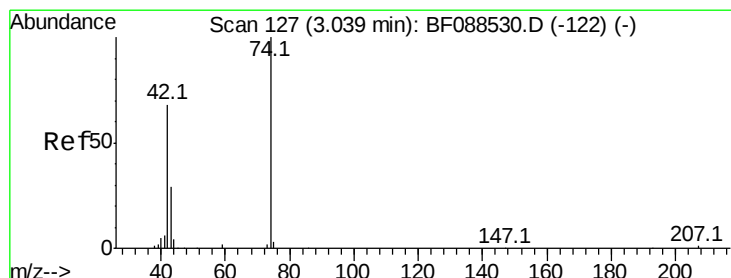
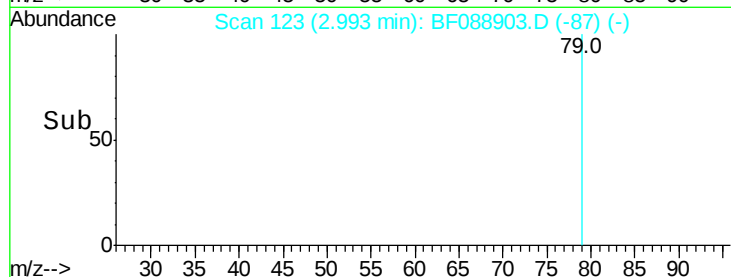
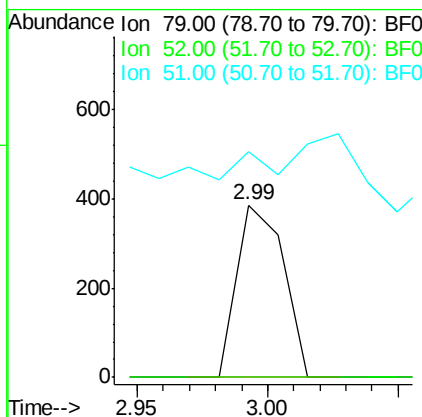
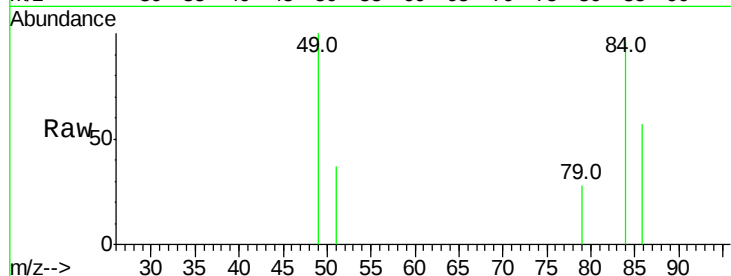
52 0.0 56.3 84.5#

51 131.1 27.4 41.2#

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 0.87 ng

RT: 2.75 min Scan# 102

Delta R.T. -0.08 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

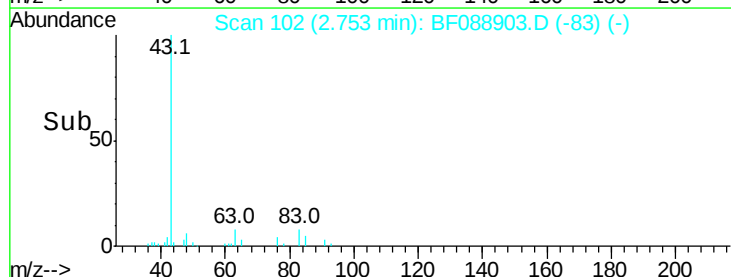
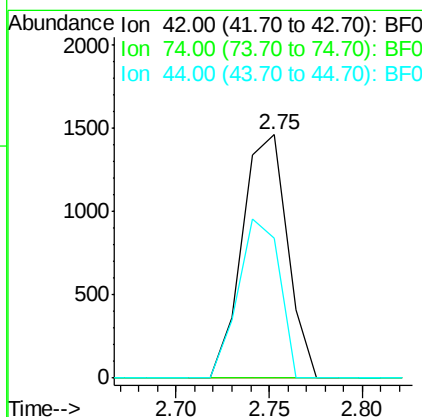
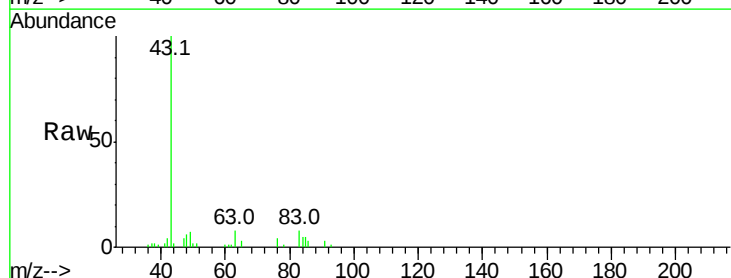
Tgt Ion: 42 Resp: 2447

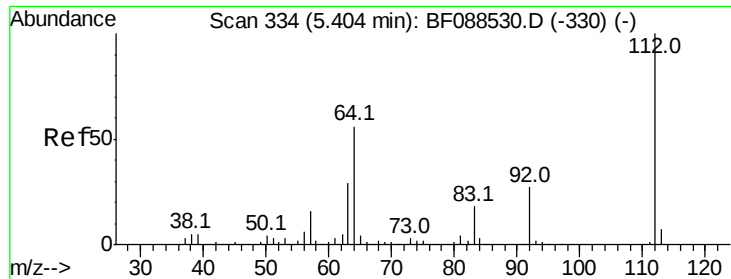
Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

44 57.4 5.5 8.3#





#5

2-Fluorophenol

Concen: 0.04 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

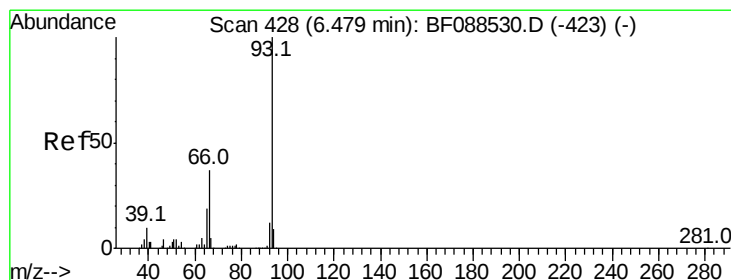
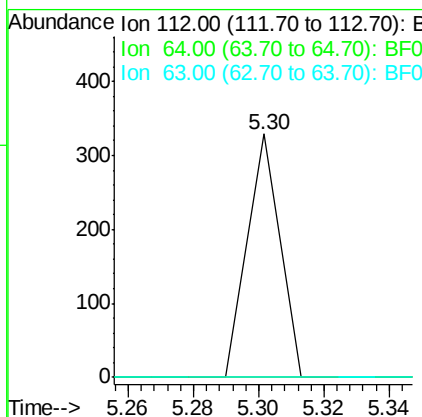
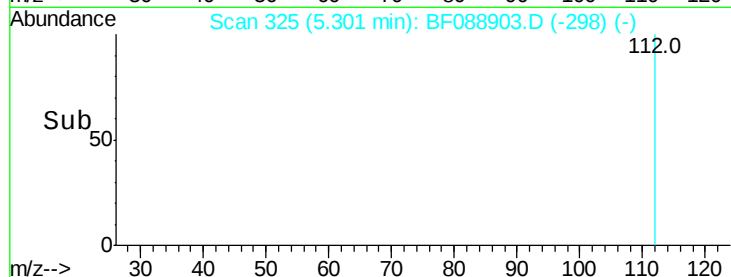
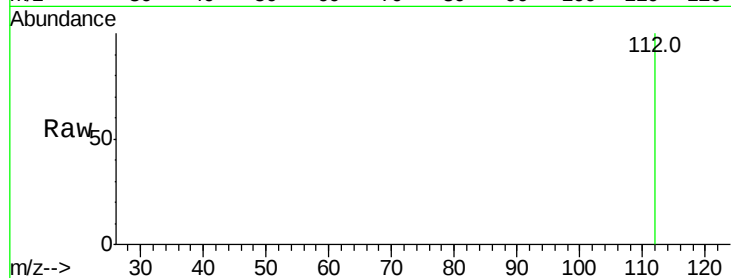
P001-TL001-01MS

Tot Ion:	112	Resp:	226
Ion Ratio	Lower	Upper	
112	100		
64	0.0	42.2	63.2#
63	0.0	21.8	32.8#

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#6

Aniline

Concen: 0.29 ng

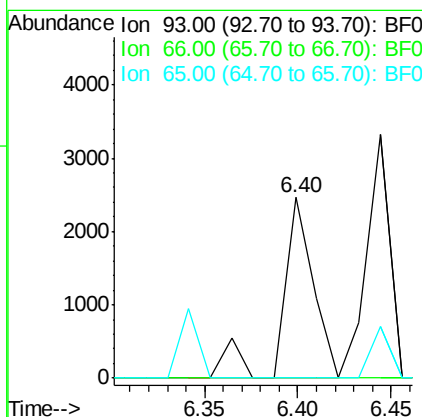
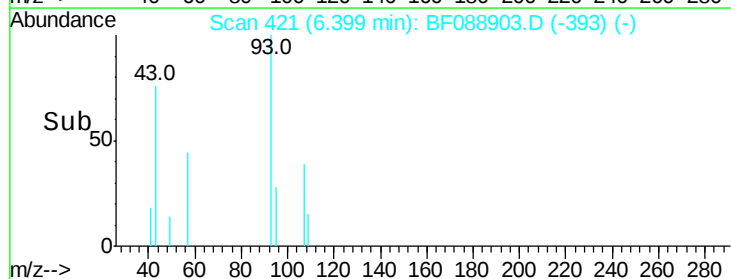
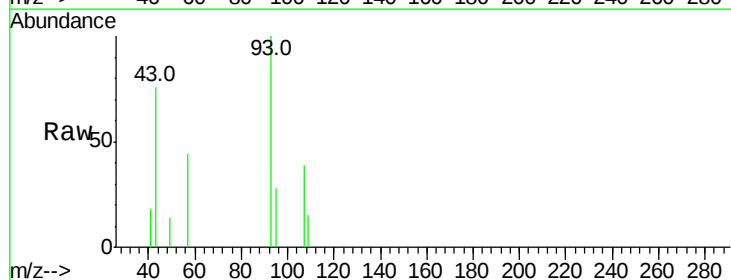
RT: 6.40 min Scan# 421

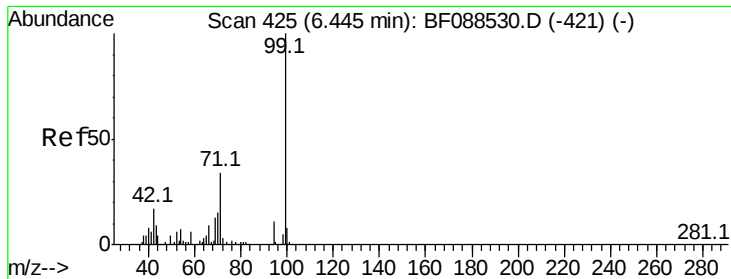
Delta R.T. 0.02 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Tgt Ion:	93	Resp:	2802
Ion Ratio	Lower	Upper	
93	100		
66	0.0	29.8	44.8#
65	0.0	14.9	22.3#





#7

Phenol-d6

Concen: 0.06 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

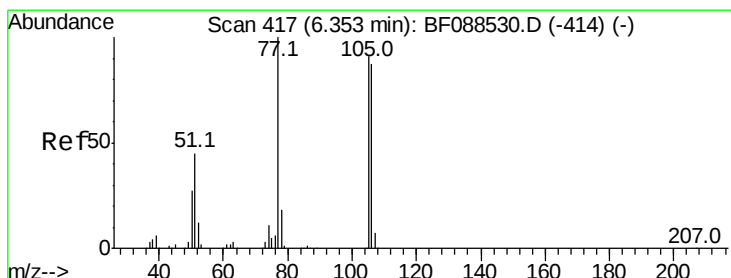
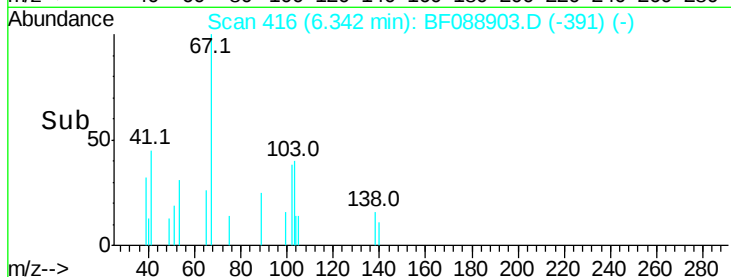
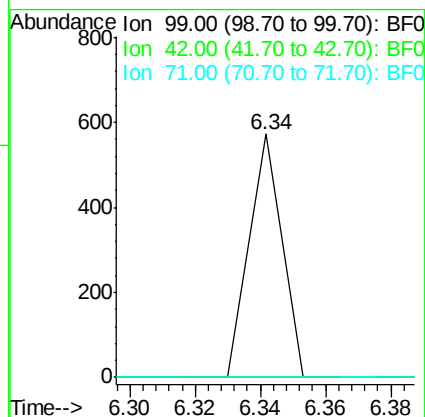
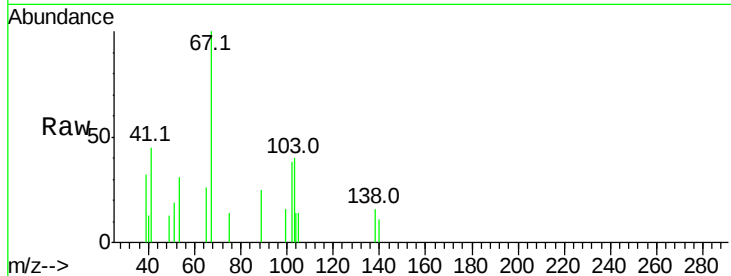
P001-TL001-01MS

Tot Ion:	99	Resp:	393
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.2	18.2#
71	0.0	23.4	35.0#

Manual Integrations

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#9

Benzaldehyde

Concen: 0.44 ng

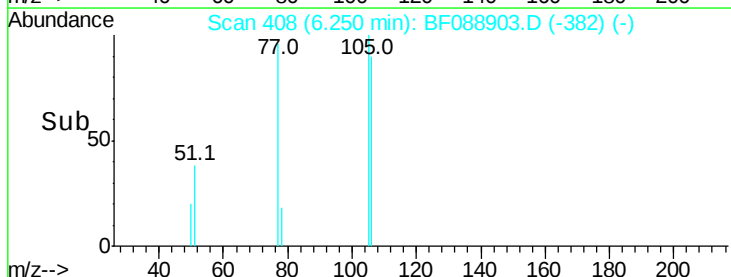
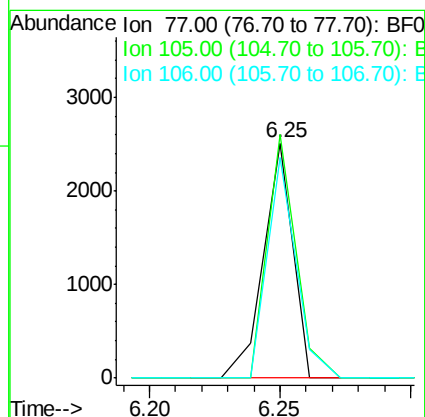
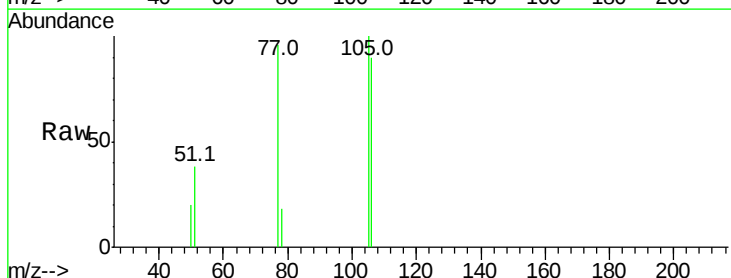
RT: 6.25 min Scan# 408

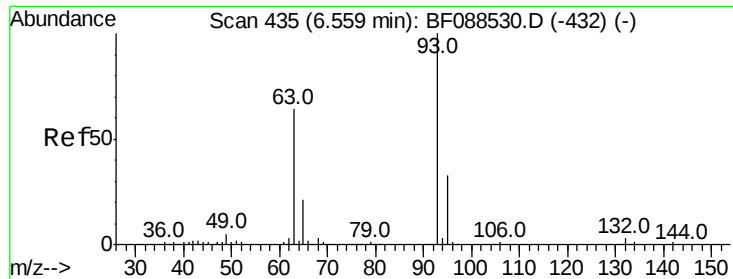
Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Tgt Ion:	77	Resp:	1974
Ion Ratio	Lower	Upper	
77	100		
105	103.7	90.6	130.6
106	93.7	85.3	125.3





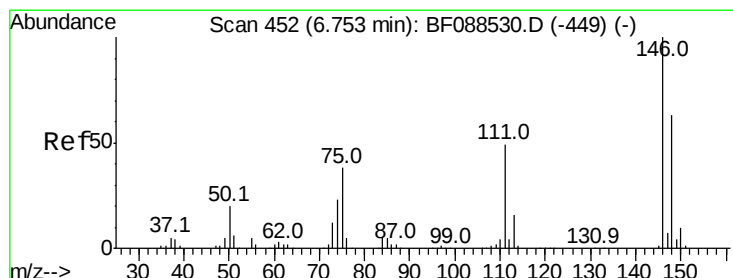
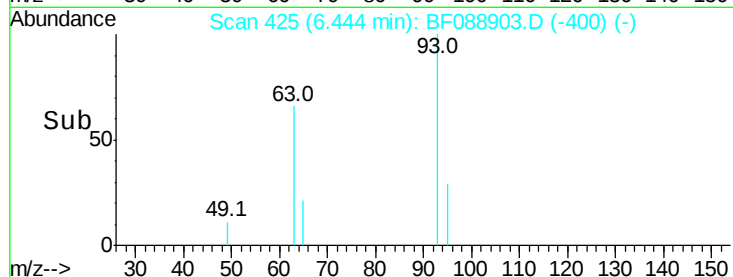
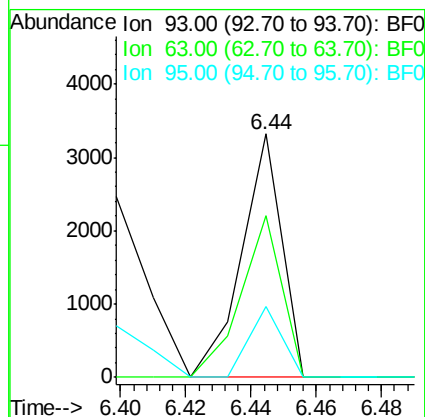
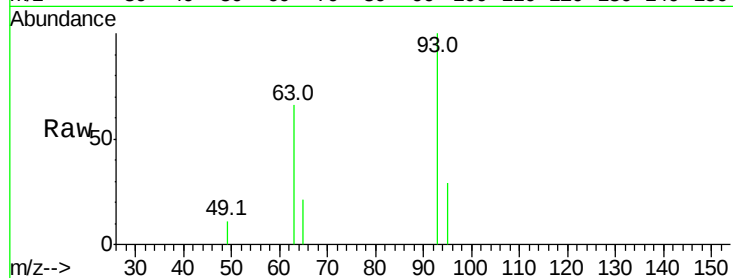
#11
bis(2-Chloroethyl)ether
Concen: 0.49 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion: 93 Resp: 2792
Ion Ratio Lower Upper
93 100
63 66.5 67.6 107.6#
95 29.2 12.5 52.5

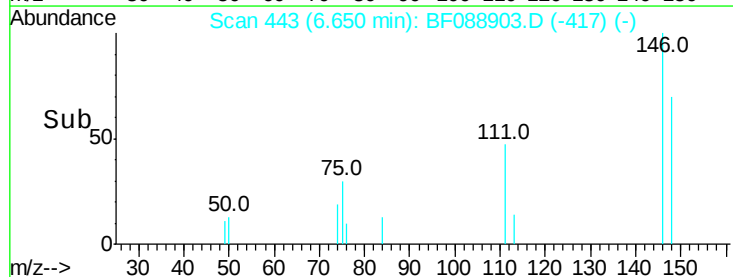
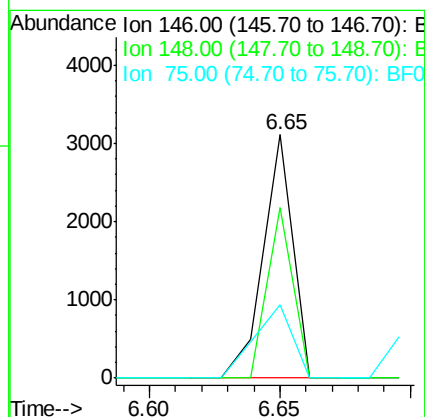
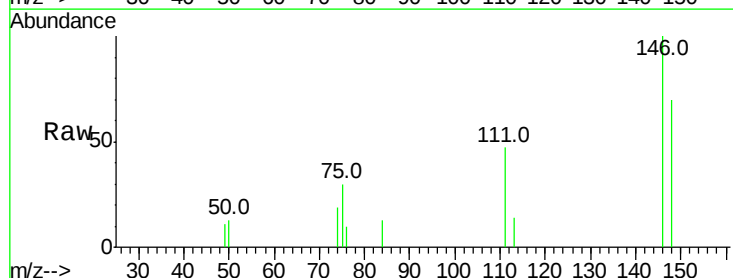
Manual Integrations

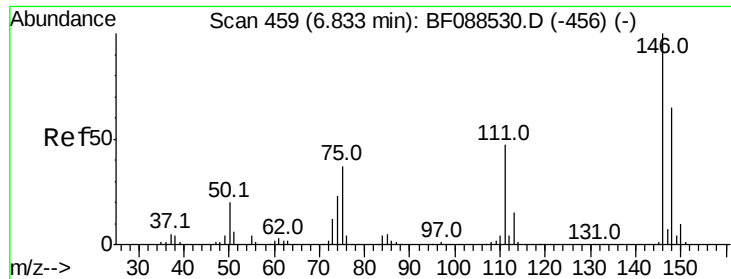
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#12
1,3-Dichlorobenzene
Concen: 0.41 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion: 146 Resp: 2479
Ion Ratio Lower Upper
146 100
148 70.2 50.9 76.3
75 29.9 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 0.45 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:146 Resp: 2703

Ion Ratio Lower Upper

146 100

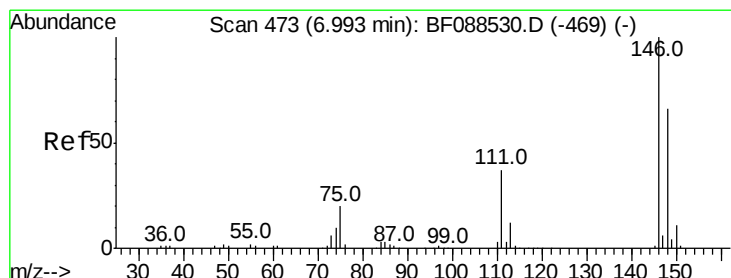
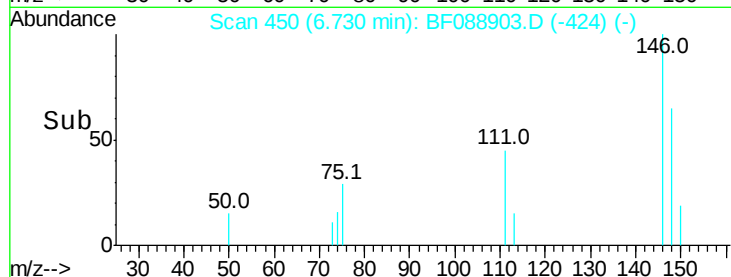
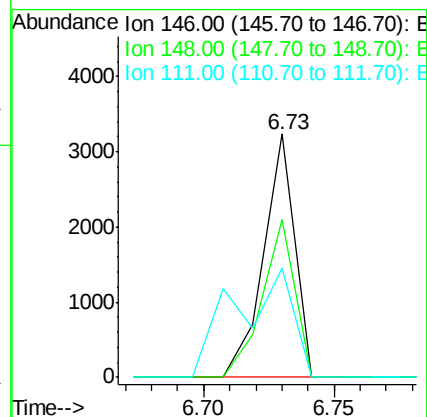
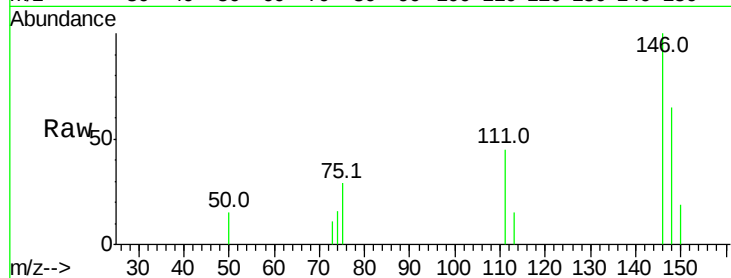
148 64.9 52.0 78.0

111 45.0 33.8 50.8

Manual Integrations

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#14

1,2-Dichlorobenzene

Concen: 0.48 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

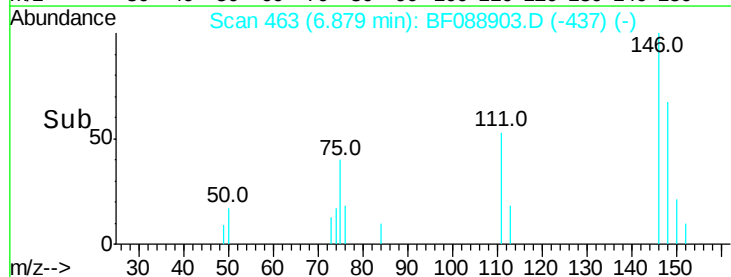
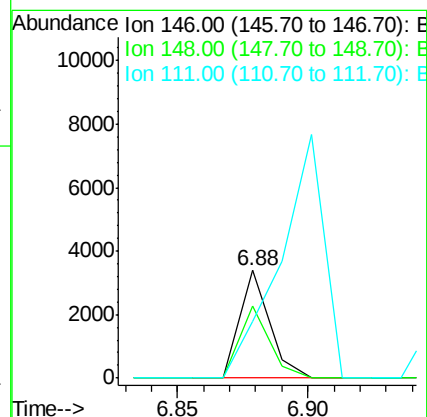
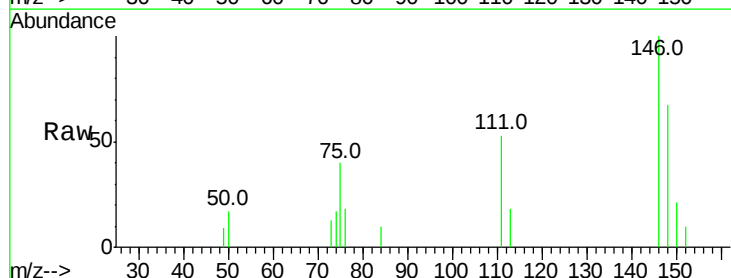
Tgt Ion:146 Resp: 2710

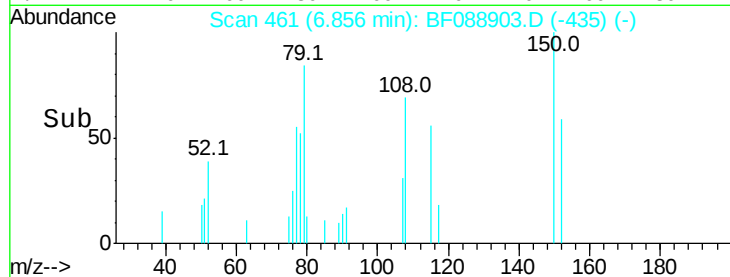
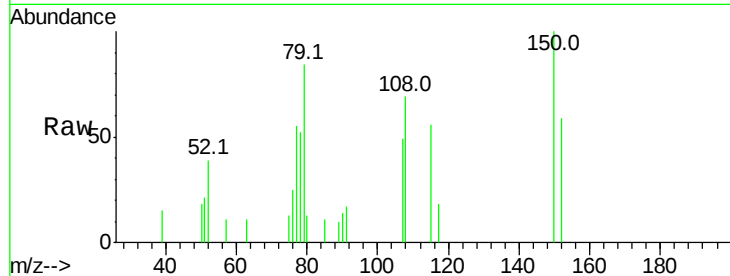
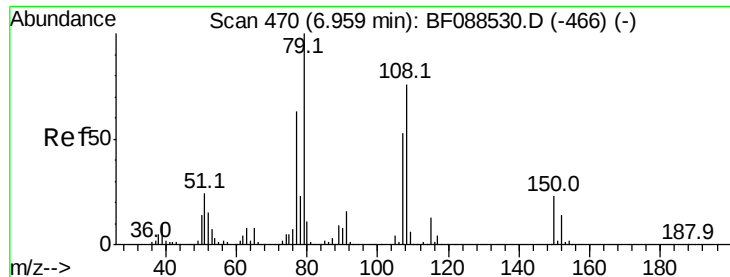
Ion Ratio Lower Upper

146 100

148 66.9 52.3 78.5

111 52.5 28.7 43.1#





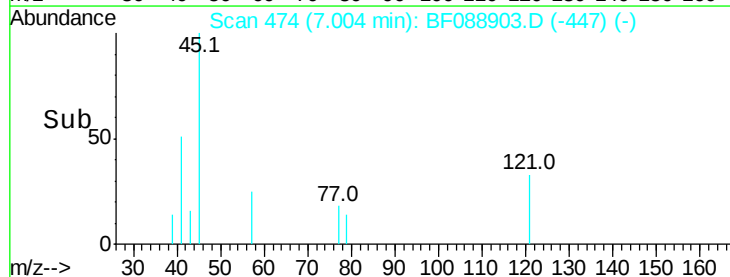
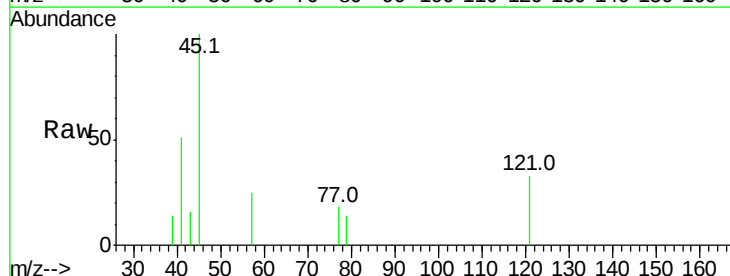
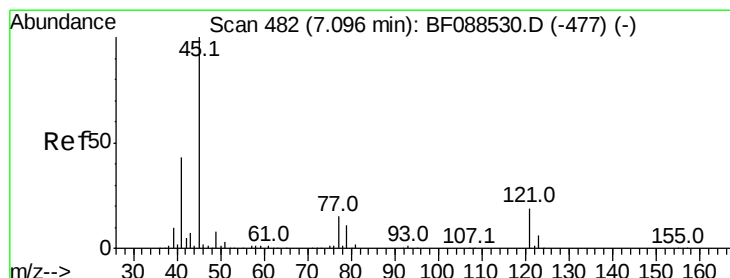
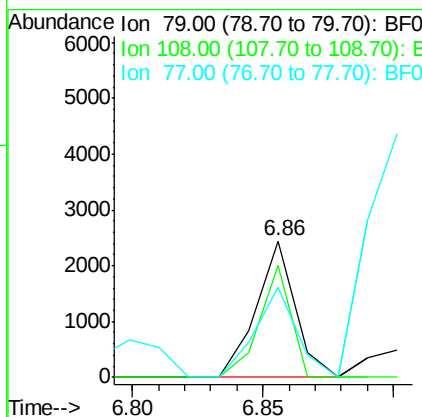
#15
Benzyl Alcohol
Concen: 0.52 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tot Ion: 79 Resp: 2554
Ion Ratio Lower Upper
79 100
108 82.0 65.0 97.6
77 66.1 50.3 75.5

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

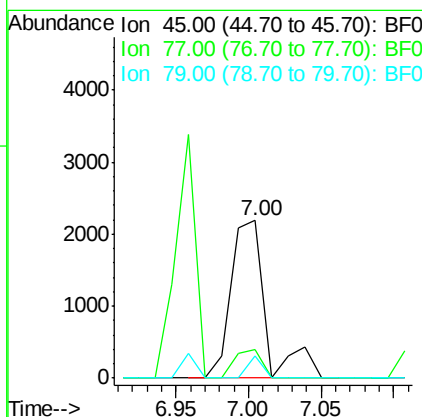
Manual Integrations

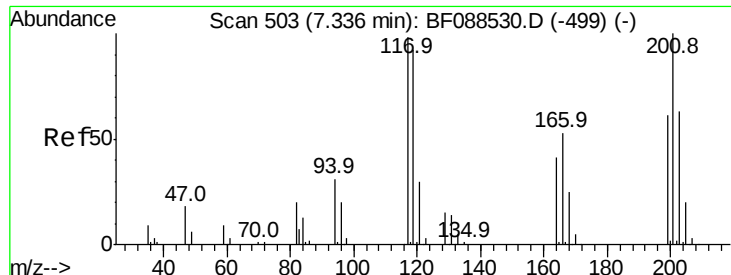
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.45 ng
RT: 7.00 min Scan# 474
Delta R.T. 0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion: 45 Resp: 3645
Ion Ratio Lower Upper
45 100
77 18.3 0.0 32.5
79 13.8 0.0 29.5





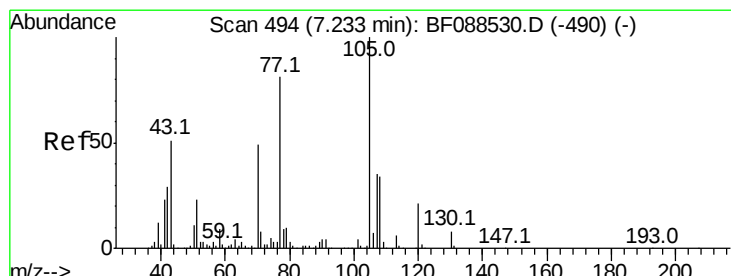
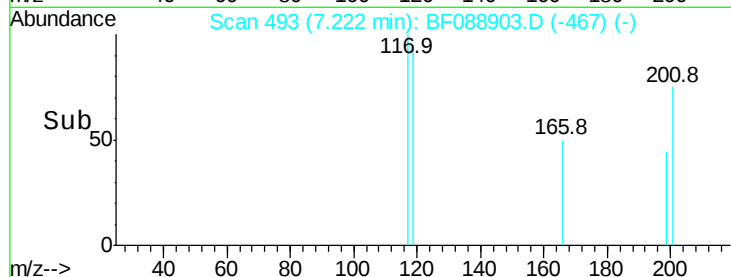
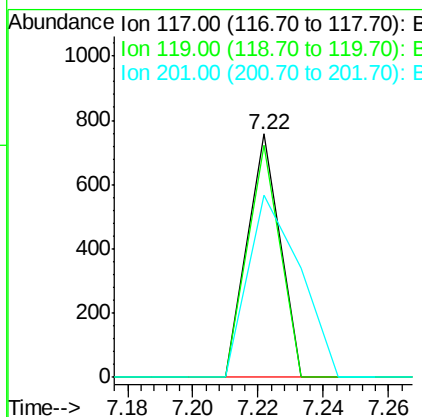
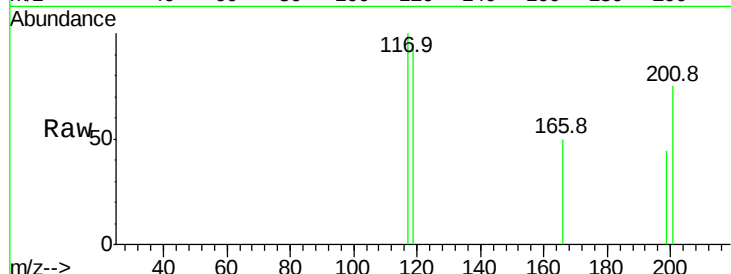
#18
Hexachloroethane
Concen: 0.22 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion:117 Resp: 520
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.2
201 74.9 80.4 120.6#

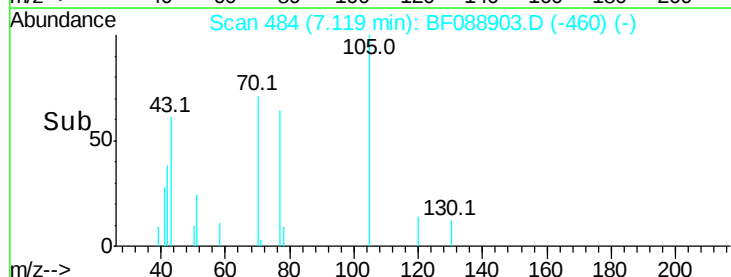
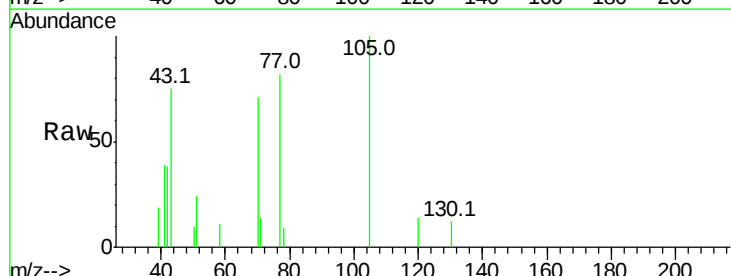
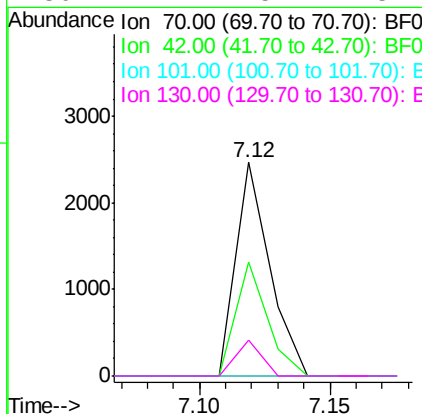
Manual Integrations

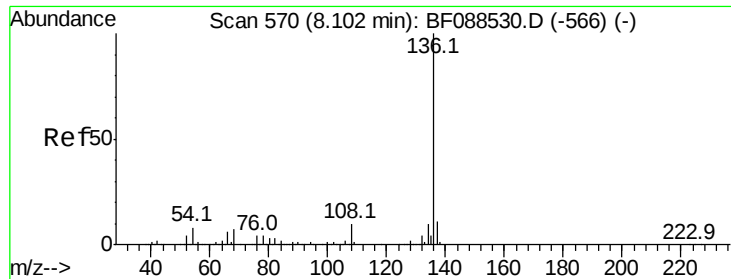
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#19
n-Nitroso-di-n-propylamine
Concen: 0.50 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.02 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion: 70 Resp: 2239
Ion Ratio Lower Upper
70 100
42 53.5 49.6 74.4
101 0.0 7.1 10.7#
130 17.1 15.4 23.2





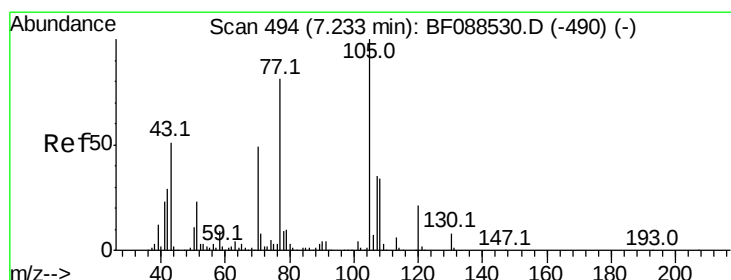
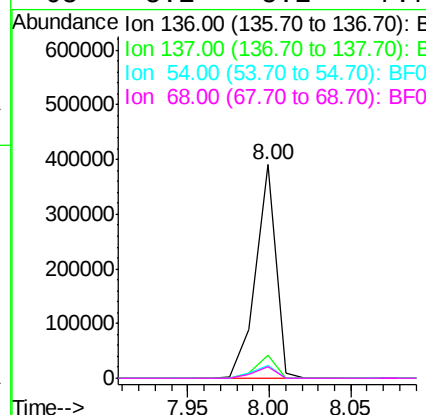
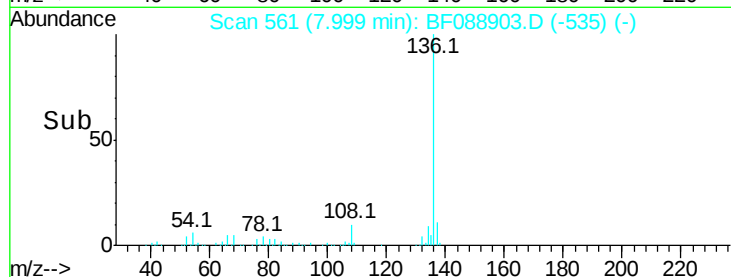
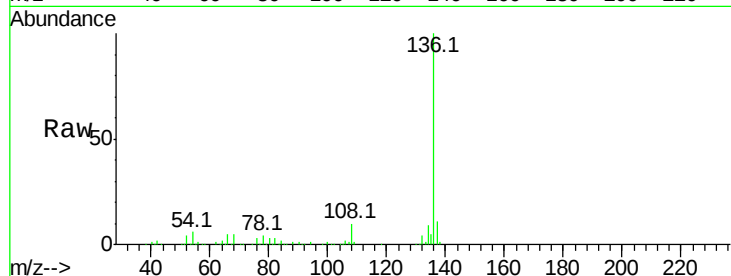
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	6.2	6.6	10.0	
68	5.1	5.1	7.7	

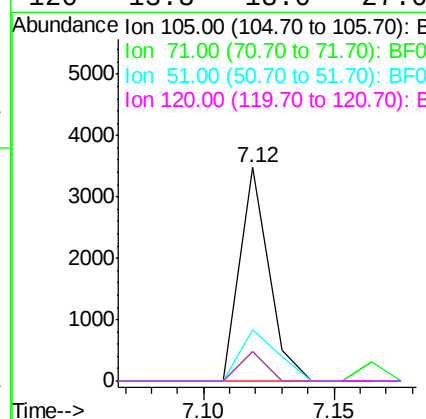
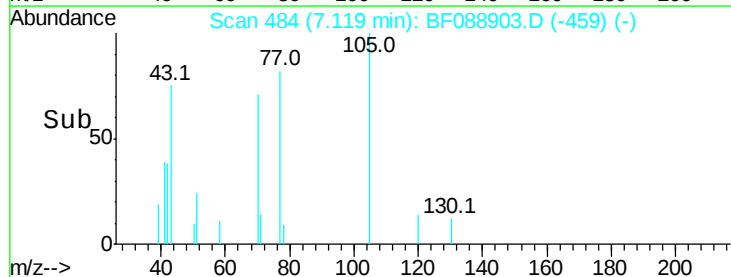
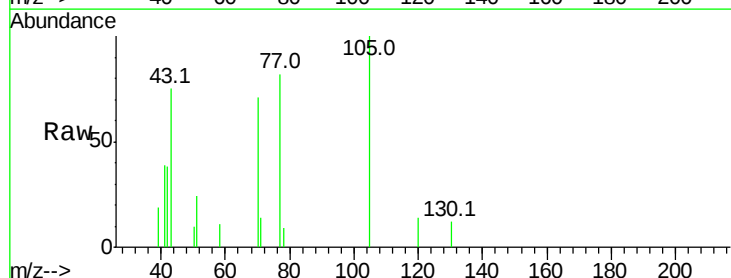
Manual Integrations

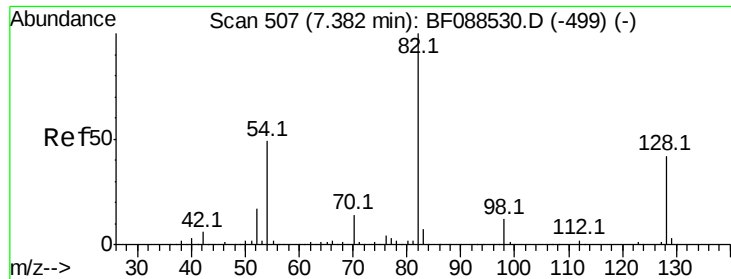
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#22
Acetophenone
Concen: 0.33 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	14.1	5.3	7.9	
51	24.0	18.2	27.4	
120	13.8	18.0	27.0	





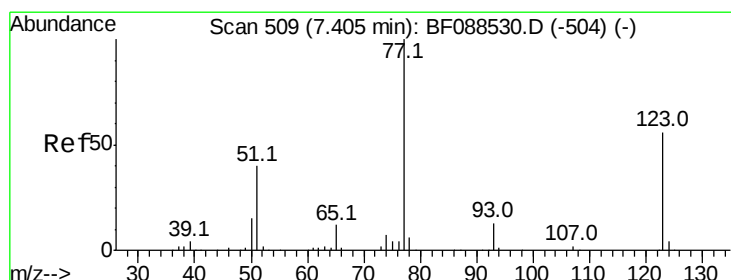
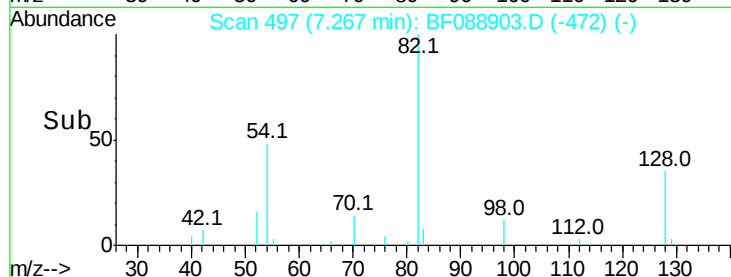
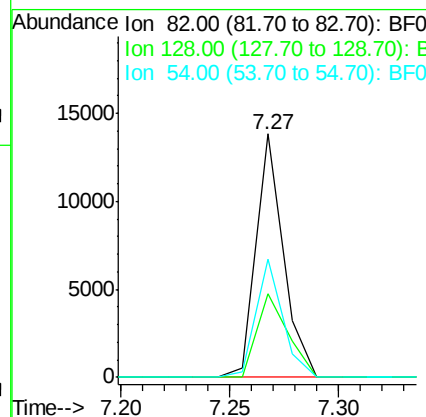
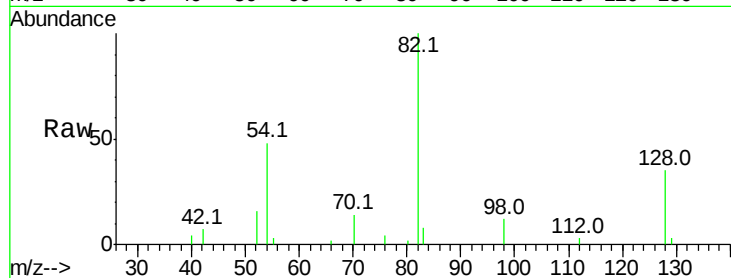
#23
Nitrobenzene-d5
Concen: 1.88 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion: 82 Resp: 12084
Ion Ratio Lower Upper
82 100
128 34.5 35.9 53.9#
54 48.3 40.9 61.3

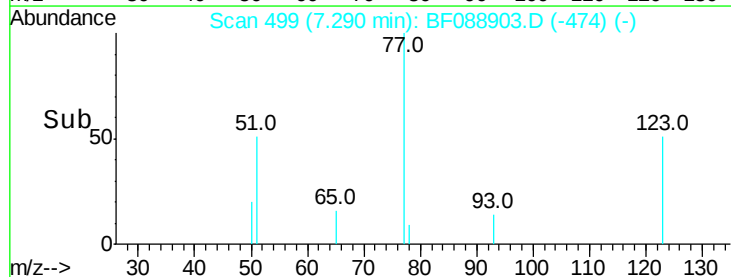
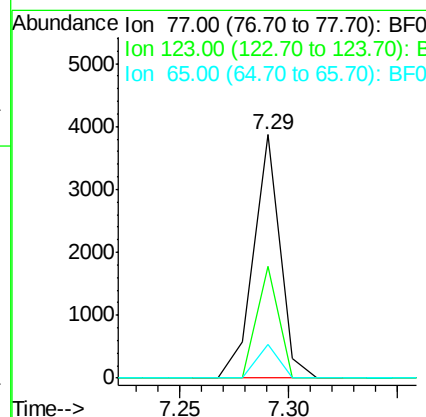
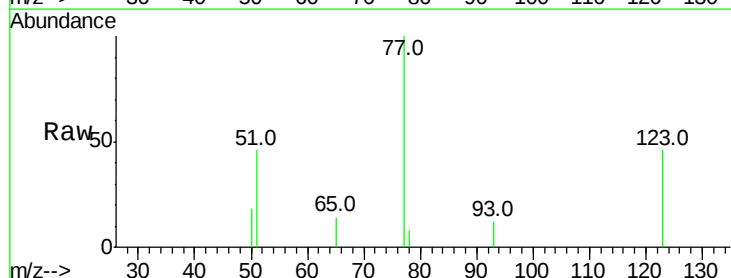
Manual Integrations

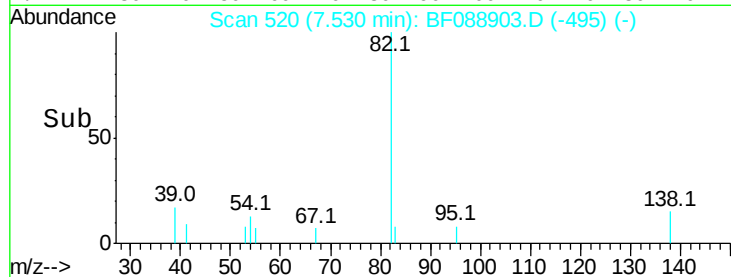
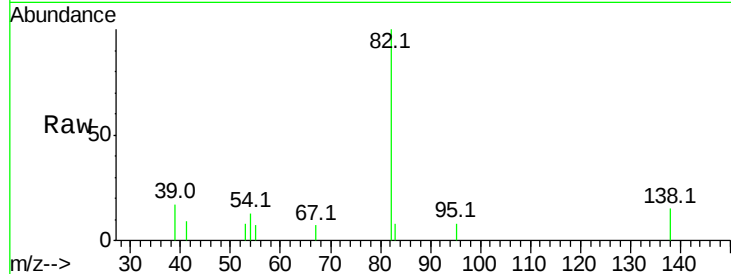
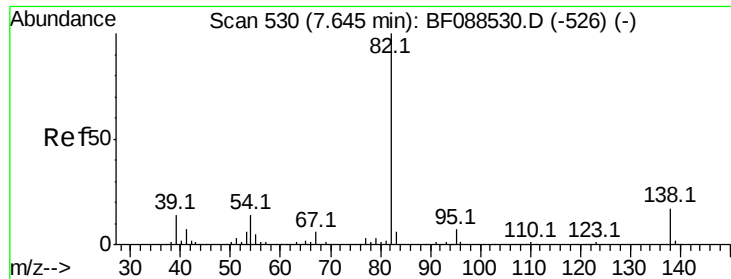
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#24
Nitrobenzene
Concen: 0.50 ng
RT: 7.29 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion: 77 Resp: 3254
Ion Ratio Lower Upper
77 100
123 46.0 45.0 67.4
65 14.0 10.2 15.2





#25

Isophorone

Concen: 0.48 ng

RT: 7.53 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF088903.D

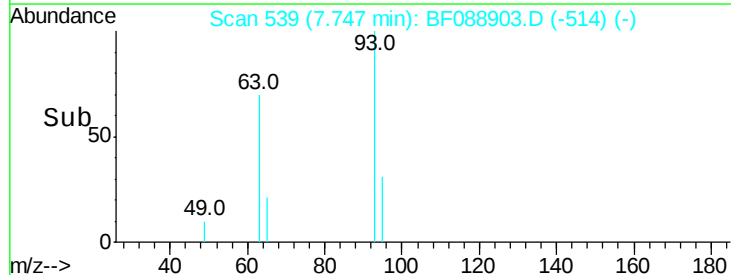
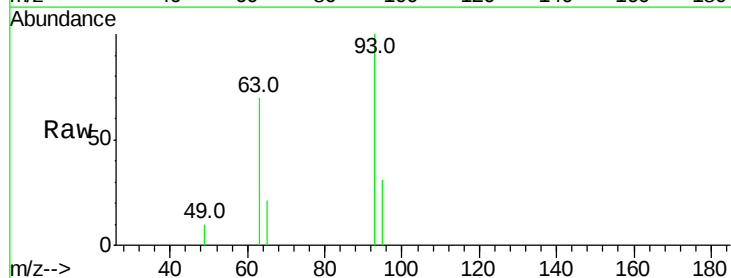
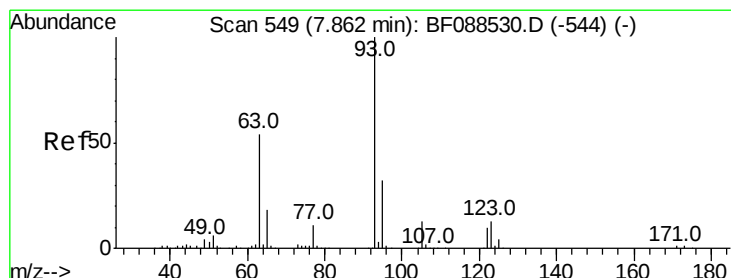
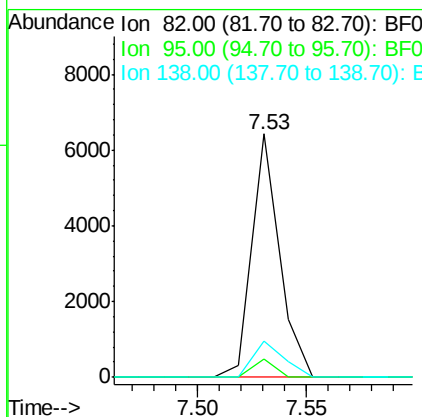
Acq: 11 Jul 2016 17:00

Tot Ion:	82	Resp:	5666
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.4	8.2
138	14.6	14.6	21.8

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Manual Integrations

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#28

bis(2-Chloroethoxy)methane

Concen: 0.45 ng

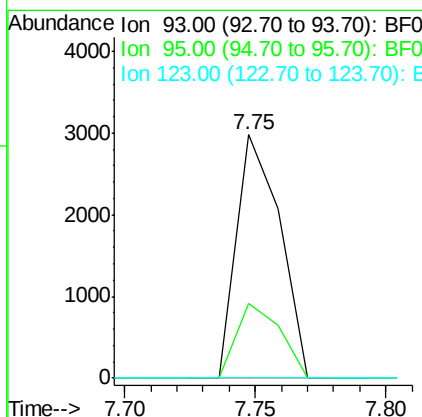
RT: 7.75 min Scan# 539

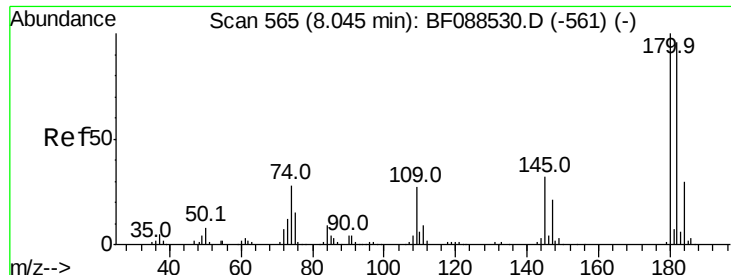
Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Tgt Ion:	93	Resp:	3461
Ion Ratio	Lower	Upper	
93	100		
95	30.9	26.5	39.7
123	0.0	11.6	17.4#





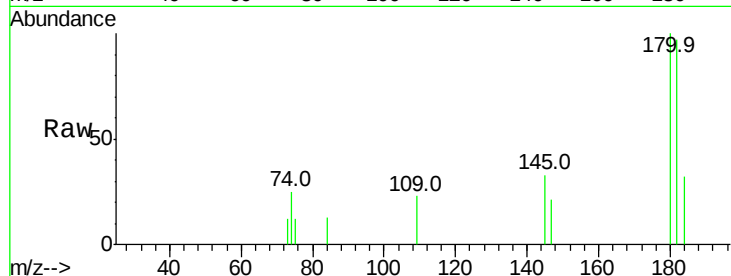
#30
 1,2,4-Trichlorobenzene
 Concen: 0.50 ng
 RT: 7.94 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.0	114.0
145	33.4	26.5	39.7

Manual Integrations

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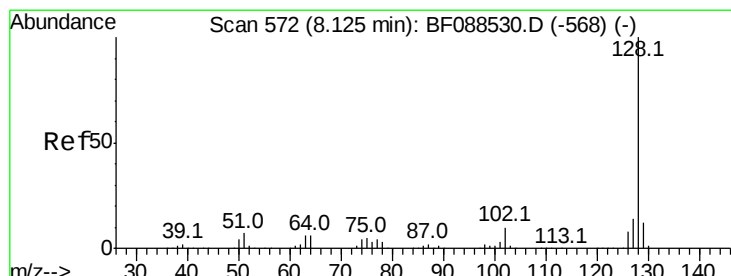
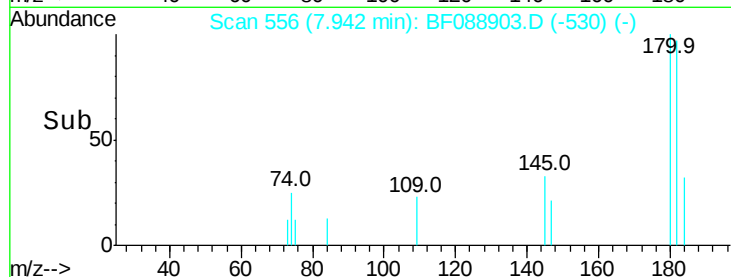
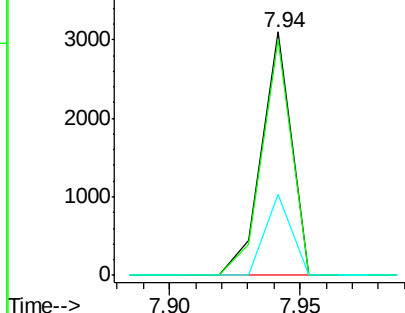


Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31
 Naphthalene
 Concen: 0.48 ng
 RT: 8.02 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

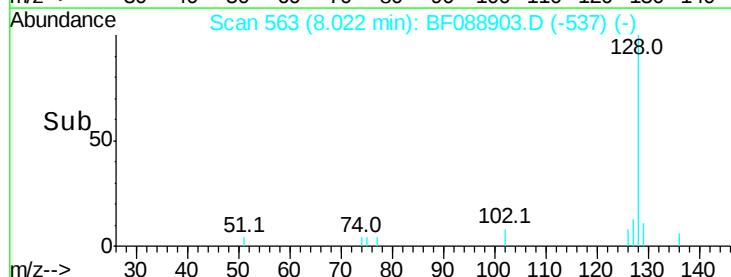
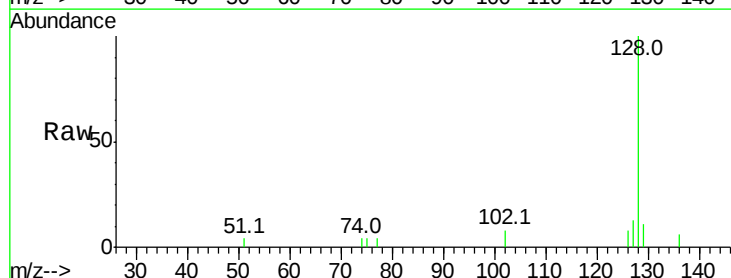
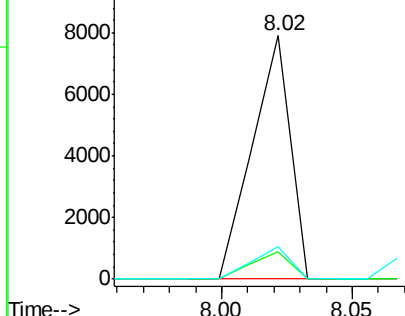
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.2
127	13.4	10.9	16.3

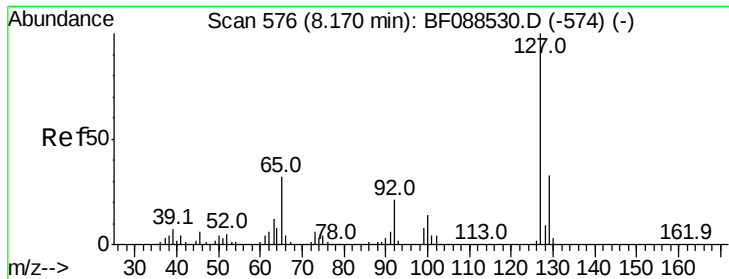
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





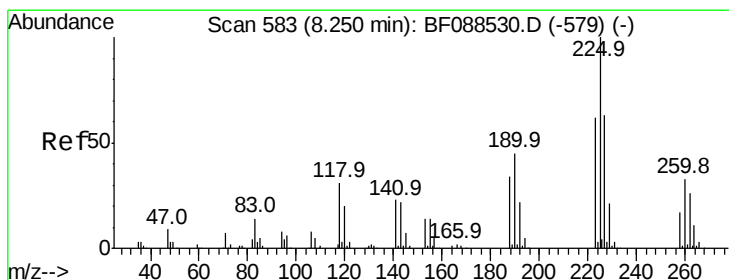
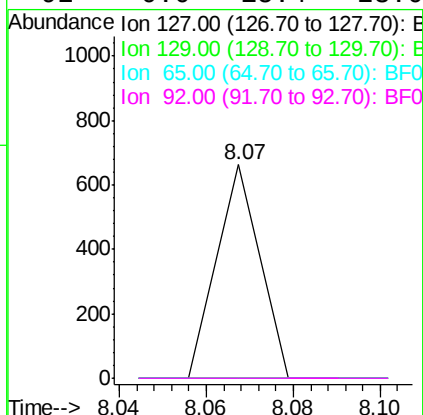
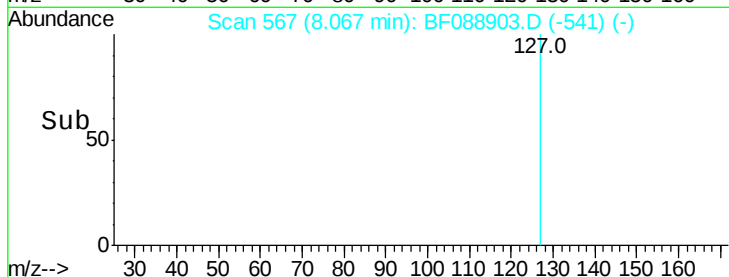
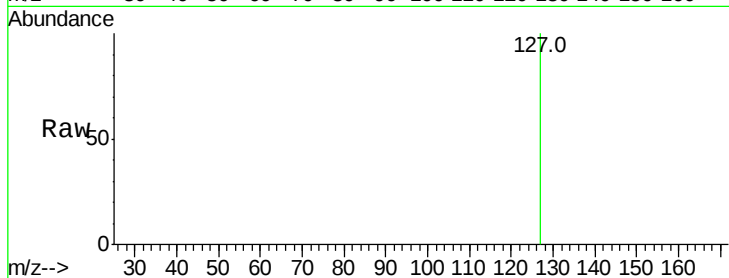
#33
4-Chloroaniline
Concen: 0.06 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion:	127	Resp:	455
Ion Ratio	Lower	Upper	
127	100		
129	0.0	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#

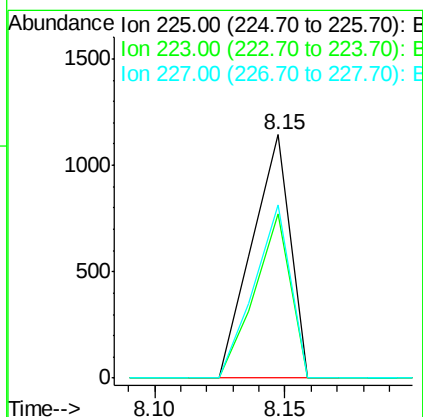
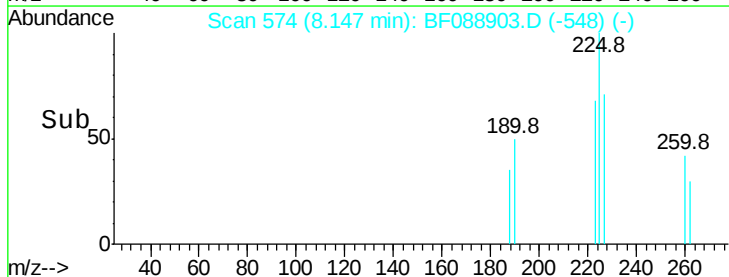
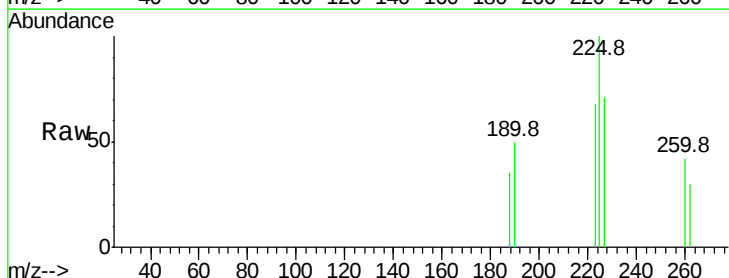
Manual Integrations

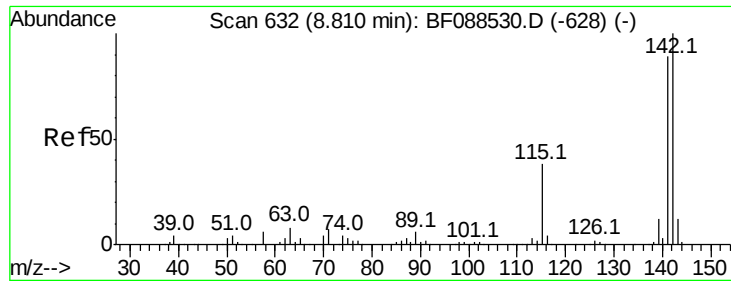
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#34
Hexachlorobutadiene
Concen: 0.45 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion:	225	Resp:	1177
Ion Ratio	Lower	Upper	
225	100		
223	67.7	50.9	76.3
227	71.2	51.9	77.9





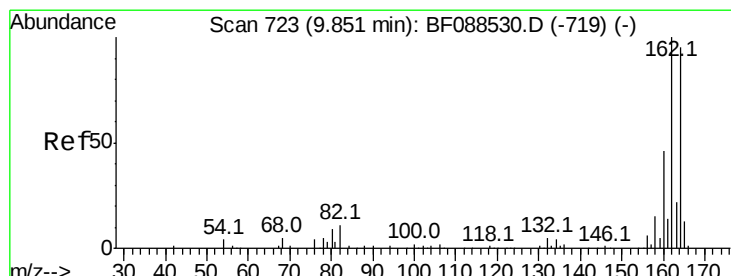
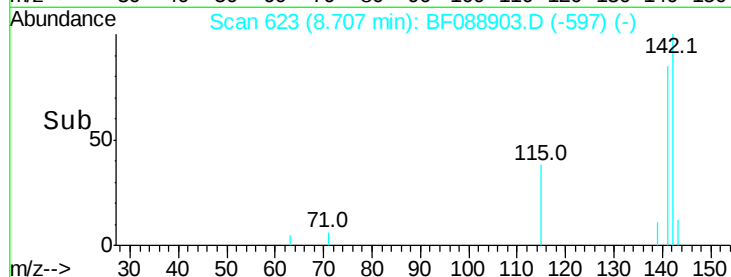
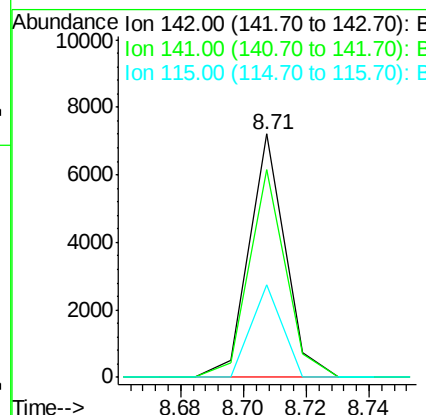
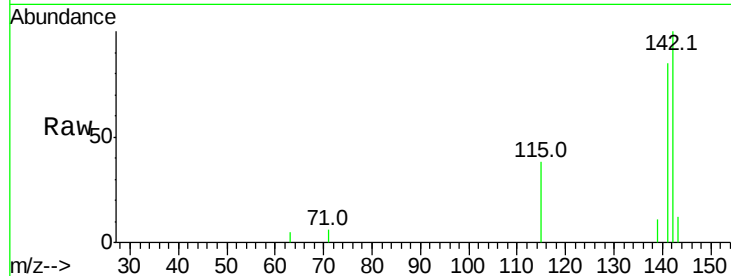
#37
 2-Methylnaphthalene
 Concen: 0.54 ng m
 RT: 8.71 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.2	71.0	106.6
115	38.2	22.6	33.8

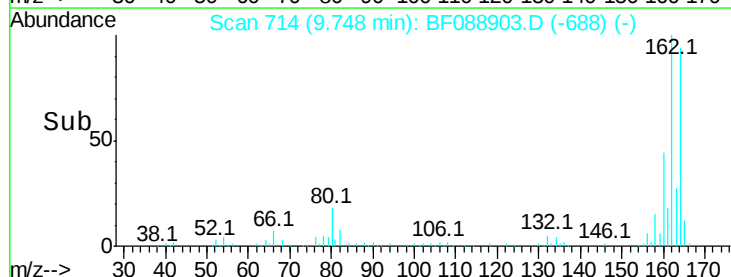
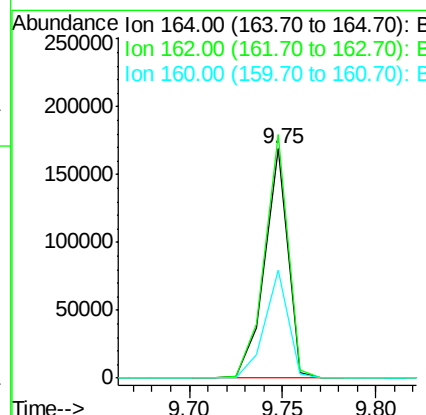
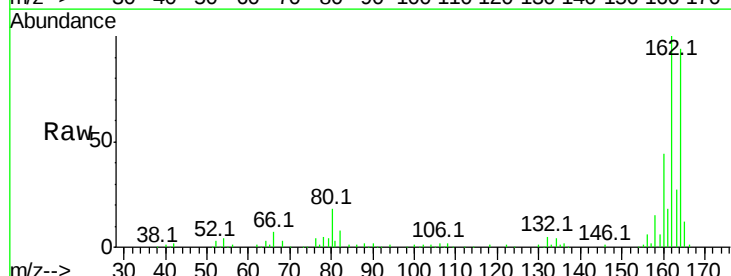
Manual Integrations

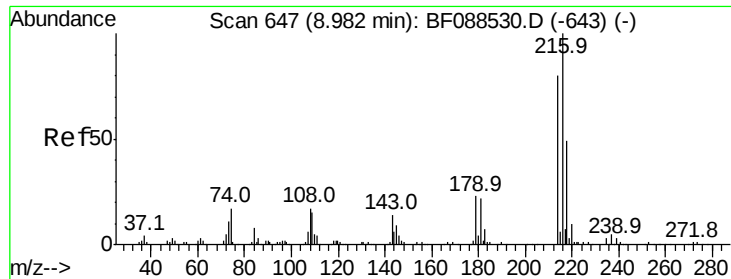
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.4	128.2
160	47.1	39.5	59.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.48 ng

RT: 8.88 min Scan# 638

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion: 216 Resp: 2308

Ion Ratio Lower Upper

216 100

214 78.3 2.9 4.3#

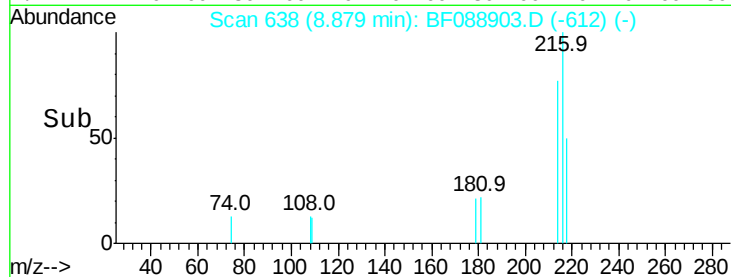
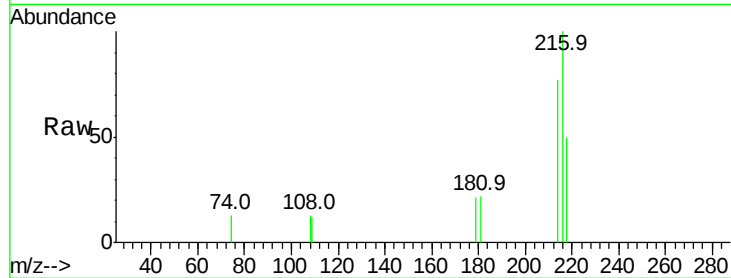
179 15.8 0.0 0.0#

108 9.9 0.5 0.7#

Manual Integrations

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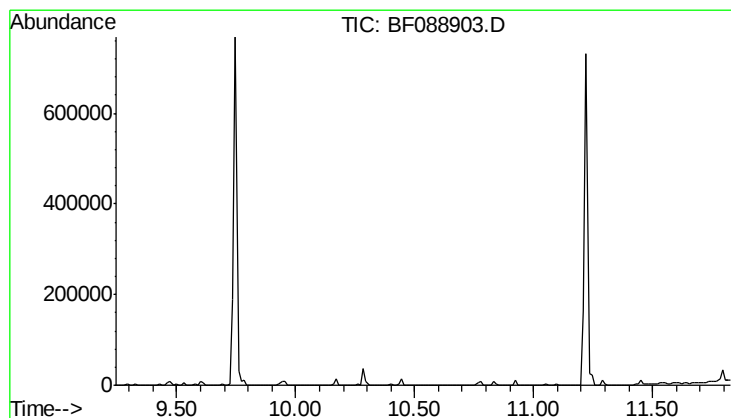
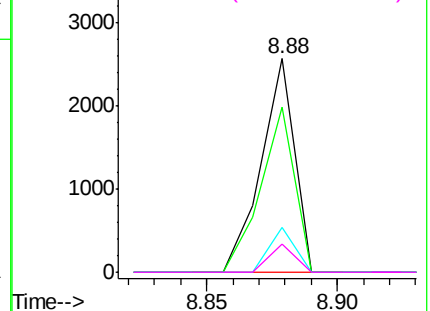


Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.00 ng

Expected RT: 10.54 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

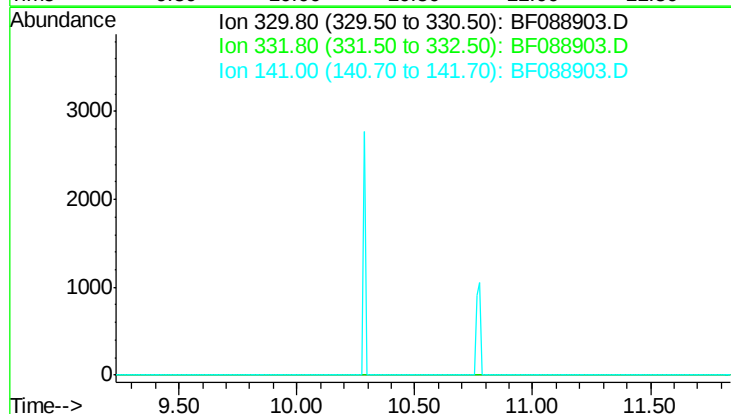
Tgt Ion: 330

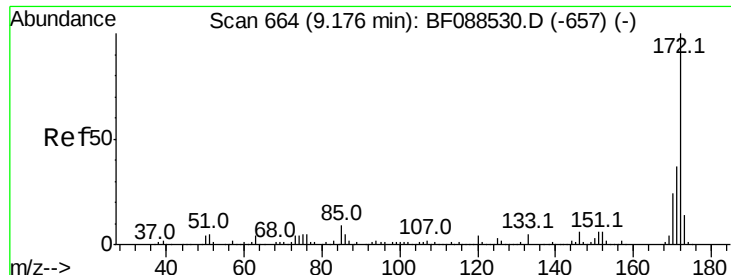
Sig Exp Ratio

330 100

332 0.0

141 0.0





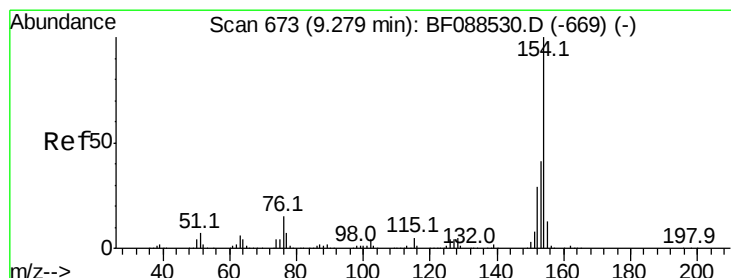
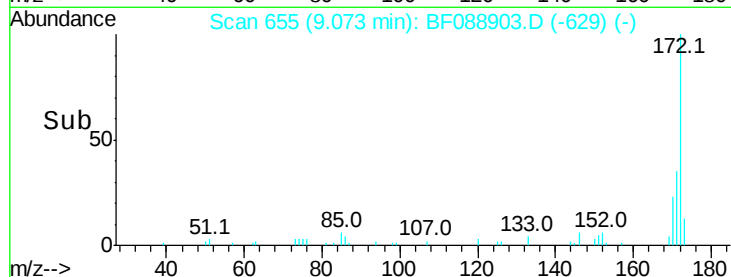
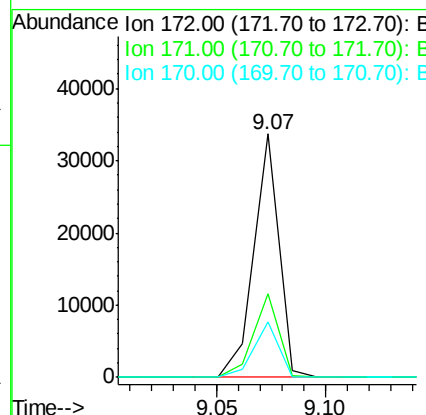
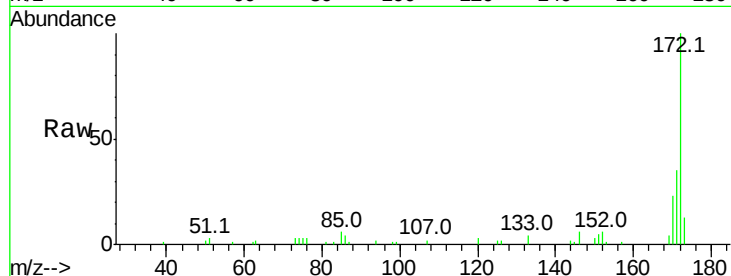
#44
 2-Fluorobiphenyl
 Concen: 2.94 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.6	19.2	28.8

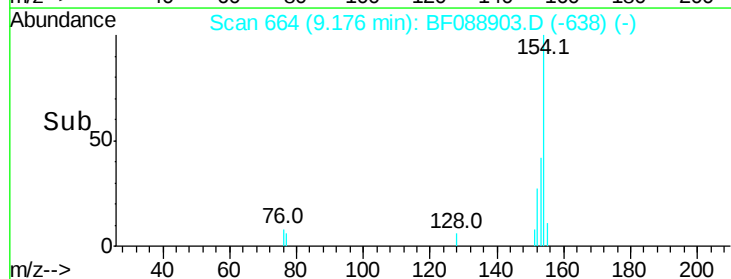
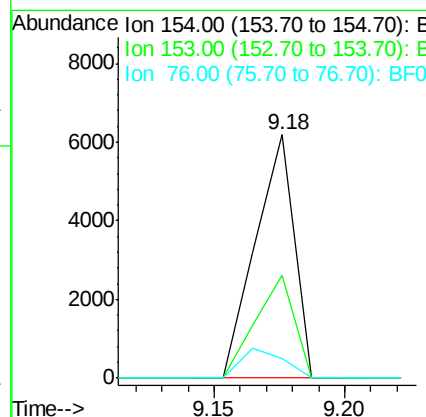
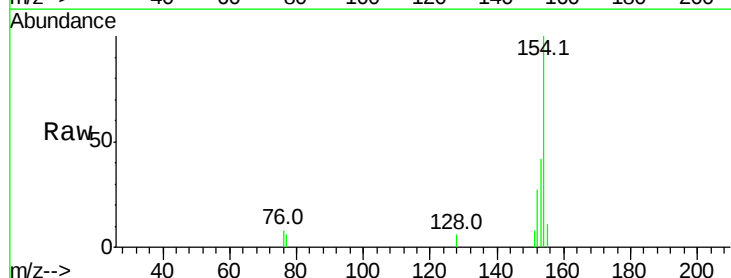
Manual Integrations

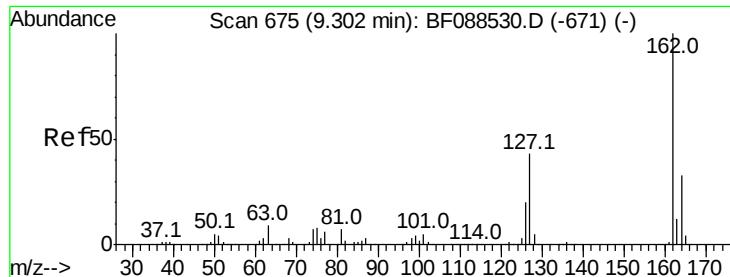
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#45
 1,1'-Biphenyl
 Concen: 0.54 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	20.6	60.6
76	7.9	0.0	35.1





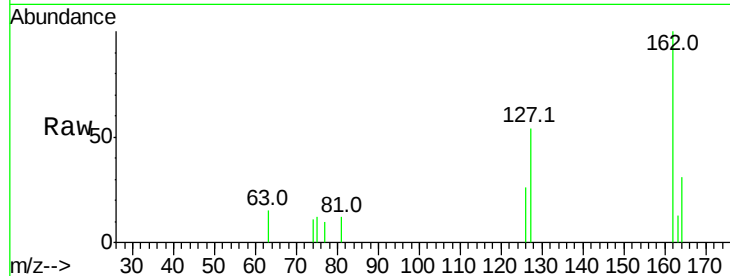
#46
 2-Chloronaphthalene
 Concen: 0.48 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

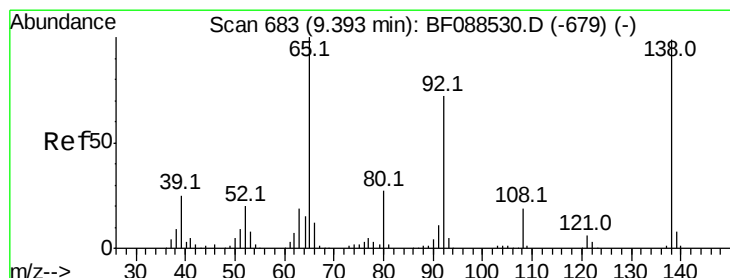
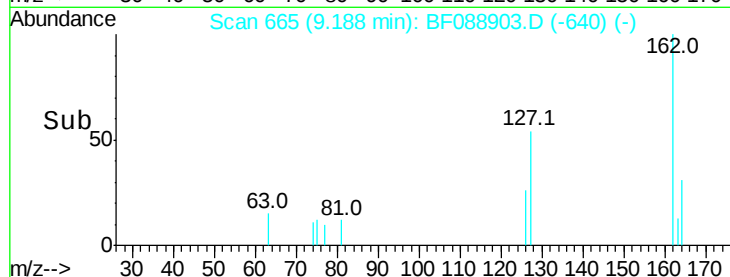
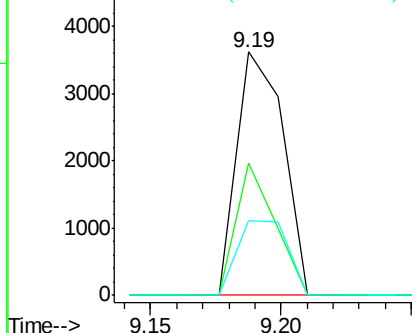
Tot Ion	Ratio	Lower	Upper
162	100		
127	54.2	35.2	52.8
164	30.8	26.6	39.8

Manual Integrations

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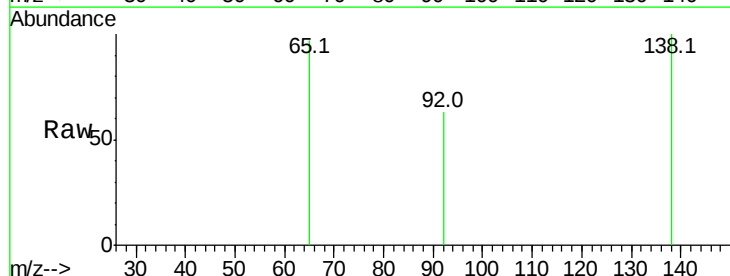


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

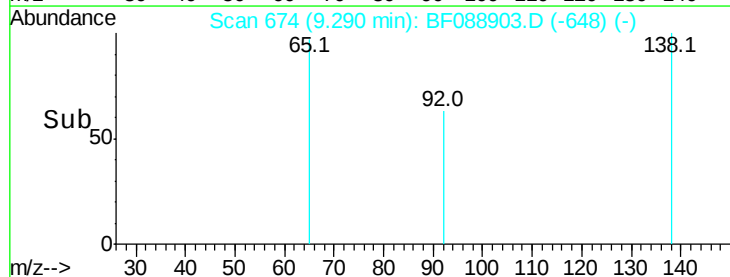
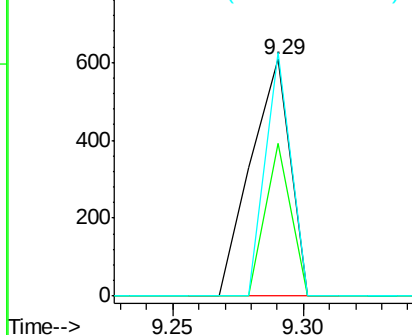


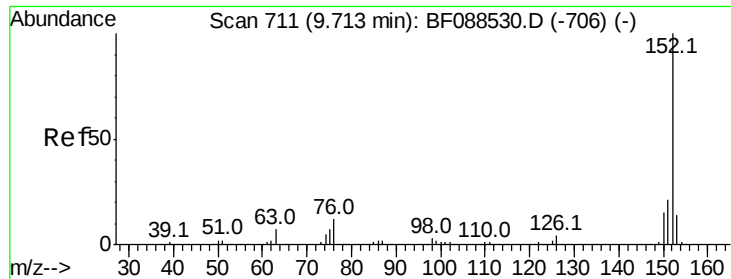
#47
 2-Nitroaniline
 Concen: 0.19 ng
 RT: 9.29 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.6	54.6	82.0
138	102.8	77.0	115.4



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





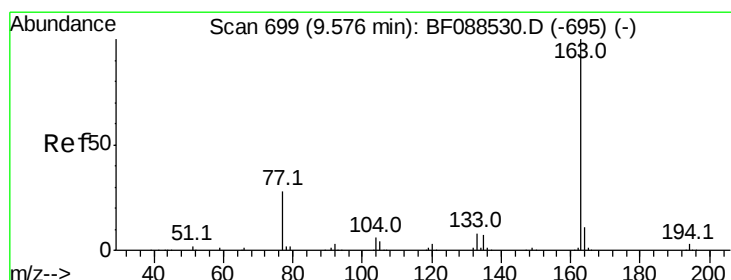
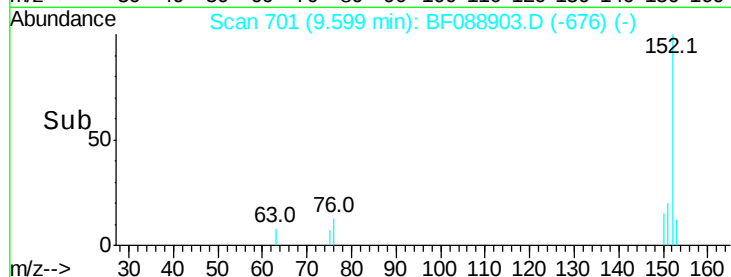
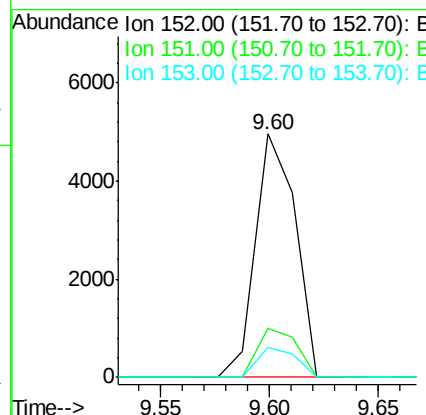
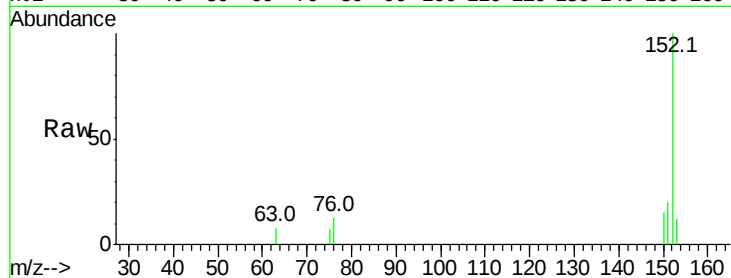
#48
Acenaphthylene
Concen: 0.42 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion:152 Resp: 6330
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 12.1 11.0 16.6

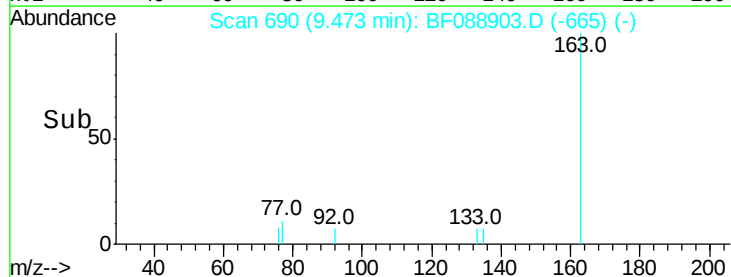
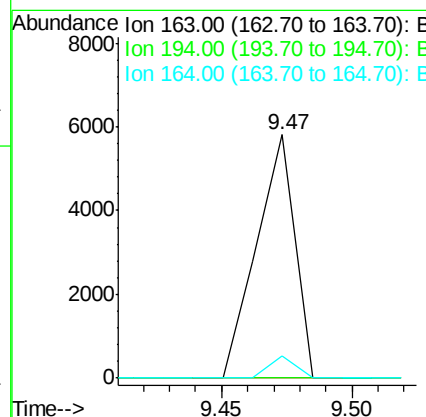
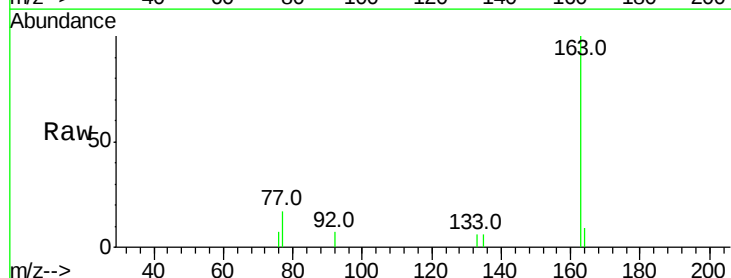
Manual Integrations

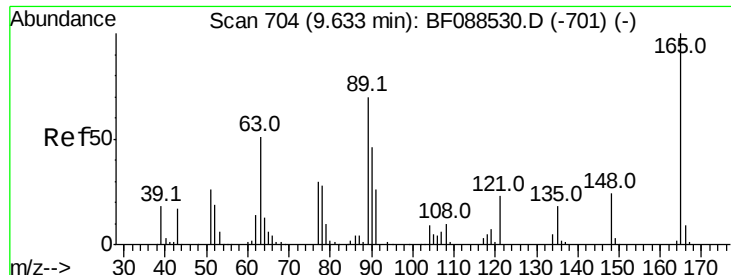
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#49
Dimethylphthalate
Concen: 0.57 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion:163 Resp: 5897
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 9.2 8.3 12.5





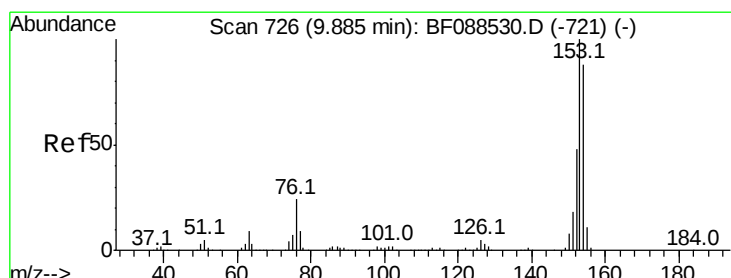
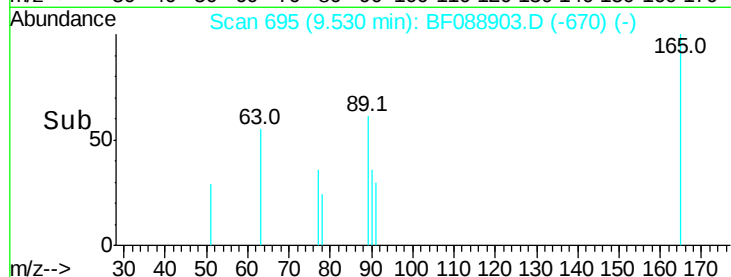
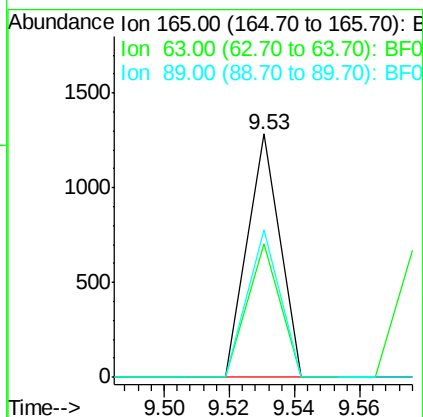
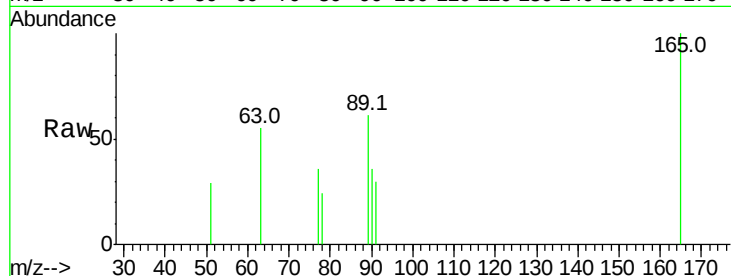
#50
 2,6-Dinitrotoluene
 Concen: 0.39 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.0	28.1	42.1#
89	60.7	32.2	48.2#

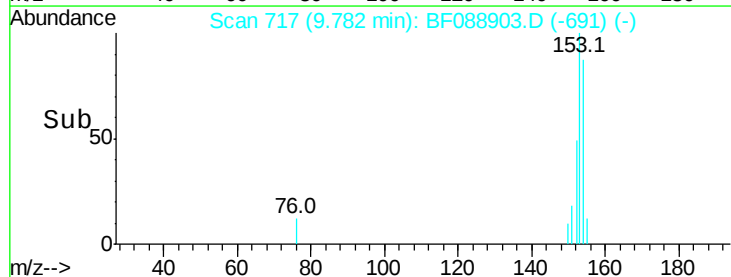
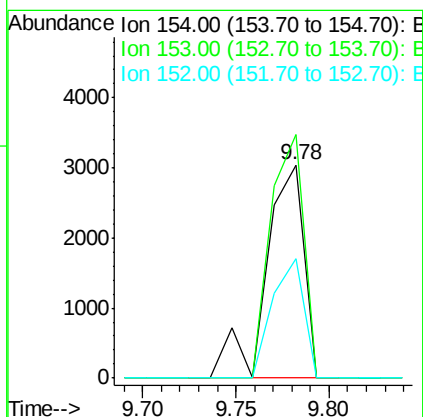
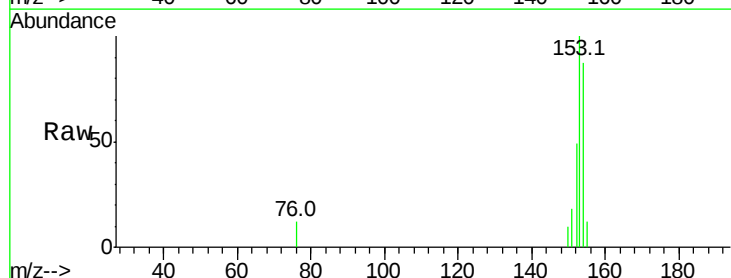
Manual Integrations

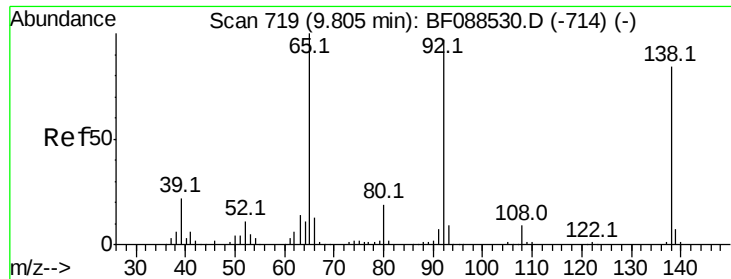
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#51
 Acenaphthene
 Concen: 0.47 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.5	134.3
152	56.1	42.7	64.1





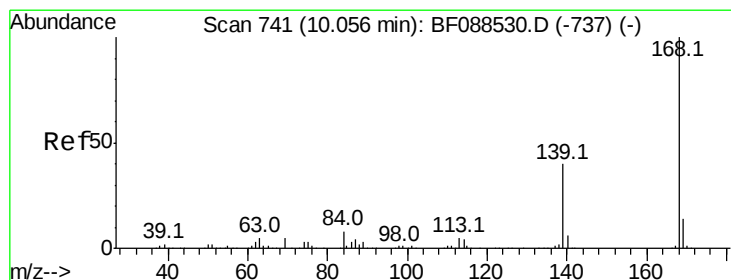
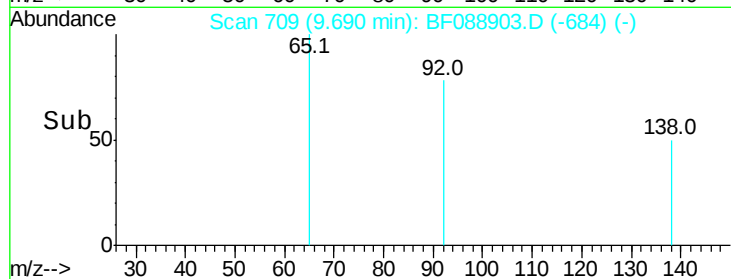
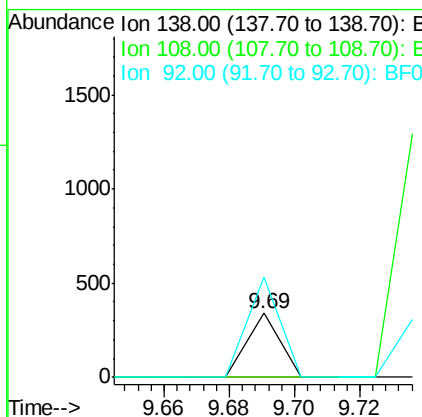
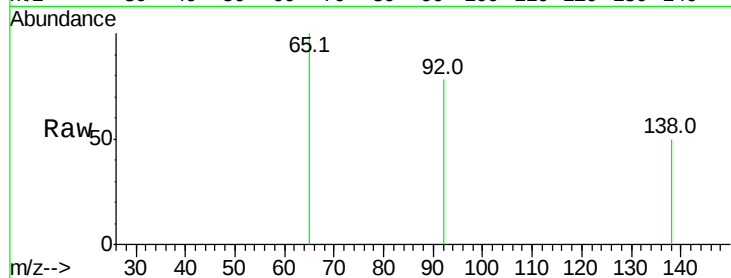
#52
3-Nitroaniline
Concen: 0.08 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion:138 Resp: 232
Ion Ratio Lower Upper
138 100
108 0.0 8.5 12.7#
92 156.9 95.7 143.5#

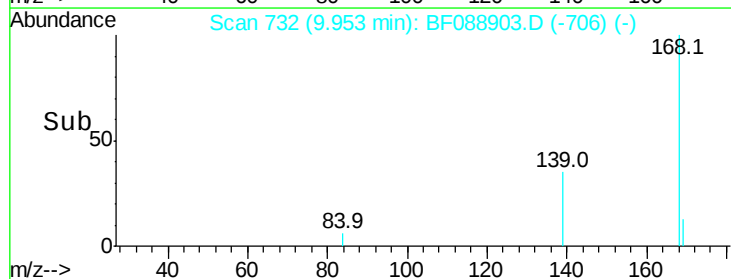
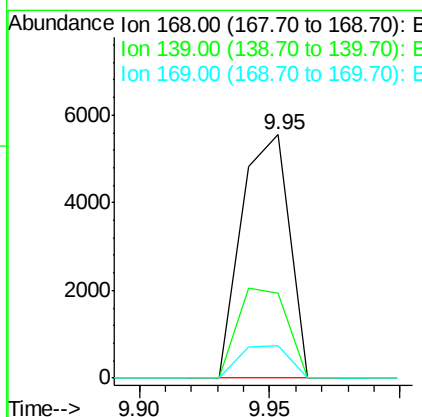
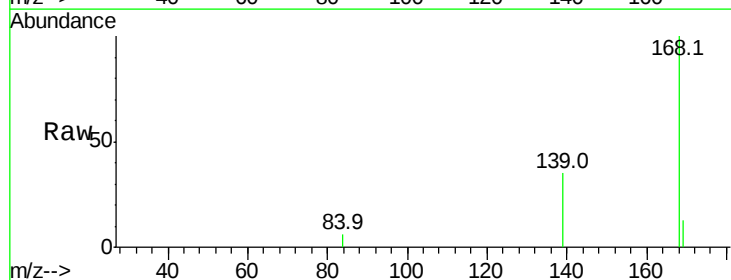
Manual Integrations

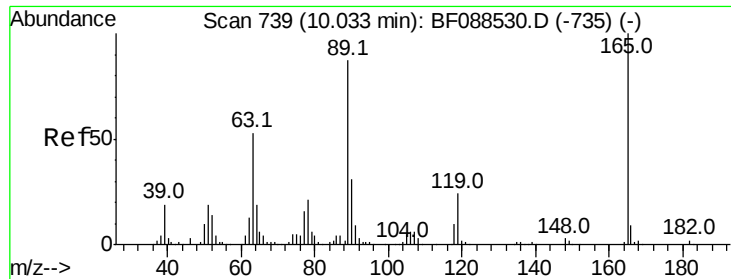
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#54
Dibenzofuran
Concen: 0.59 ng
RT: 9.95 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion:168 Resp: 7121
Ion Ratio Lower Upper
168 100
139 34.7 26.4 39.6
169 13.1 10.4 15.6





#56

2,4-Dinitrotoluene

Concen: 0.30 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF088903.D

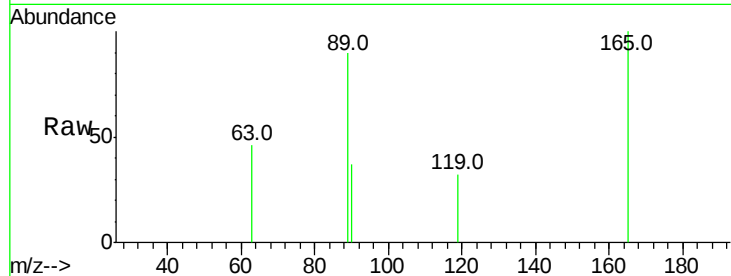
Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS



Tot Ion:165 Resp: 900

Ion Ratio Lower Upper

165 100

63 45.8 22.0 33.0#

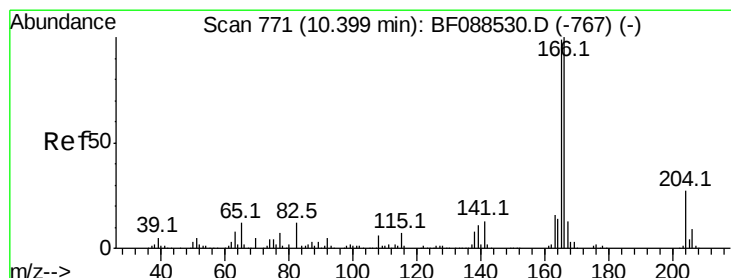
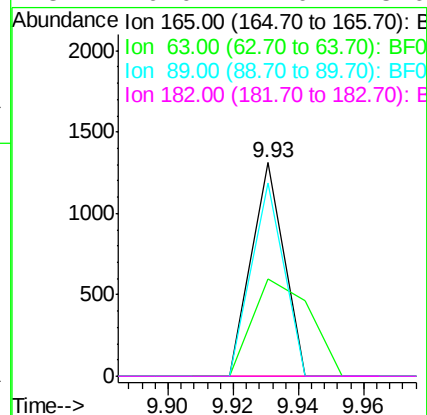
89 90.5 41.1 61.7#

182 0.0 2.0 3.0#

Manual Integrations

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#57

Fluorene

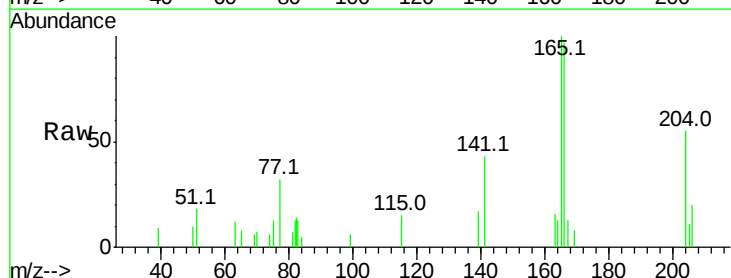
Concen: 0.64 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00



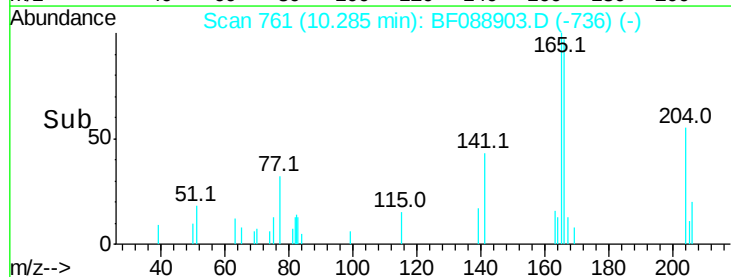
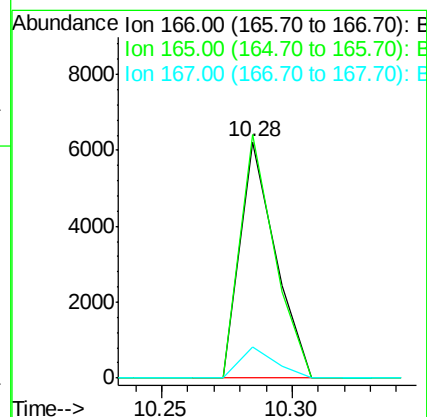
Tgt Ion:166 Resp: 5945

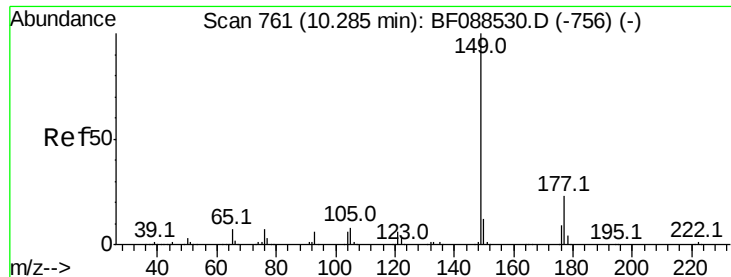
Ion Ratio Lower Upper

166 100

165 103.1 77.8 116.8

167 13.4 11.2 16.8





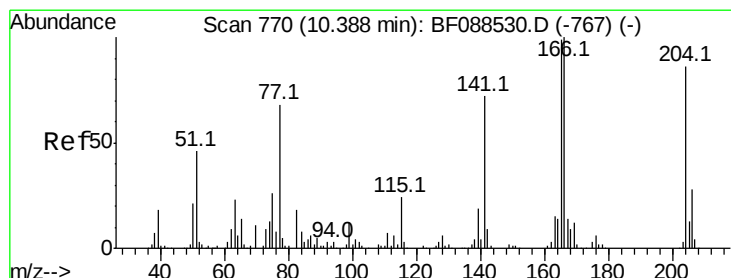
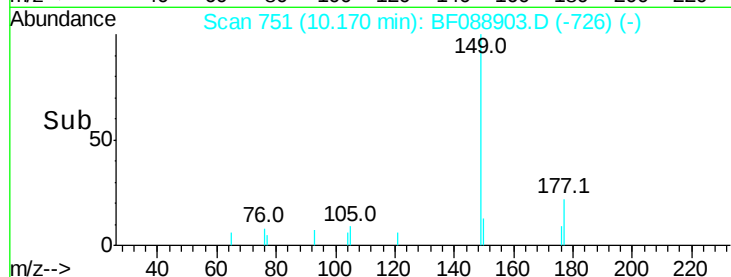
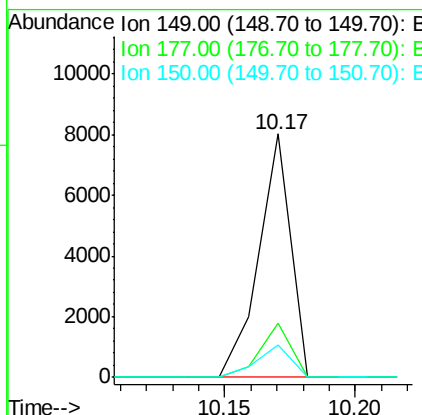
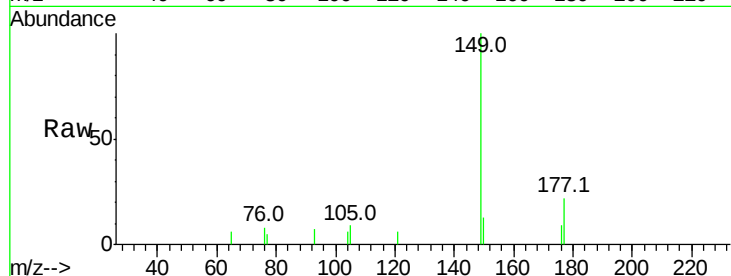
#59
Diethylphthalate
Concen: 0.66 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.3	16.9	25.3
150	13.3	10.1	15.1

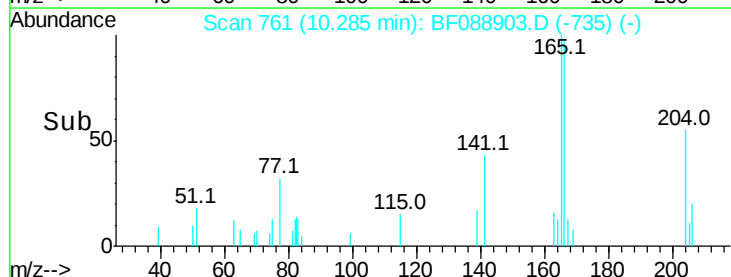
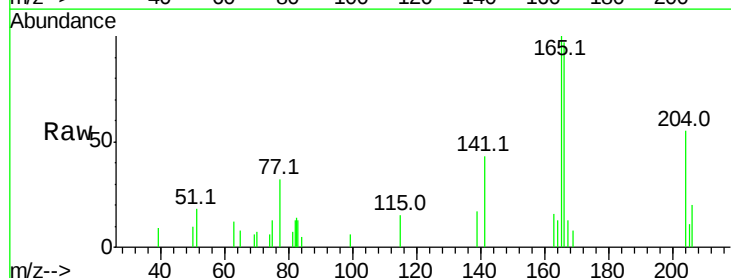
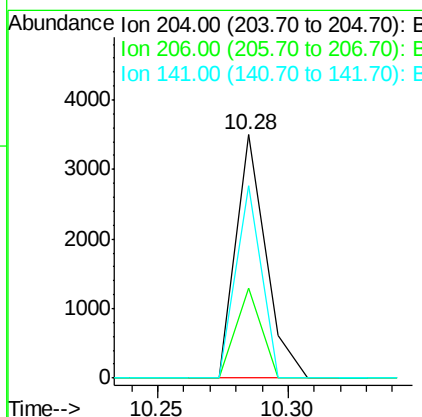
Manual Integrations

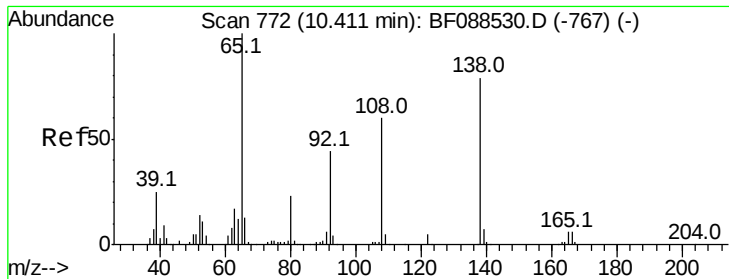
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#60
4-Chlorophenyl-phenylether
Concen: 0.66 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
204	100		
206	36.8	26.3	39.5
141	79.2	55.0	82.6





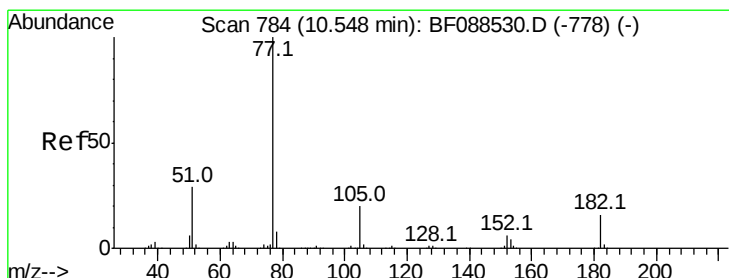
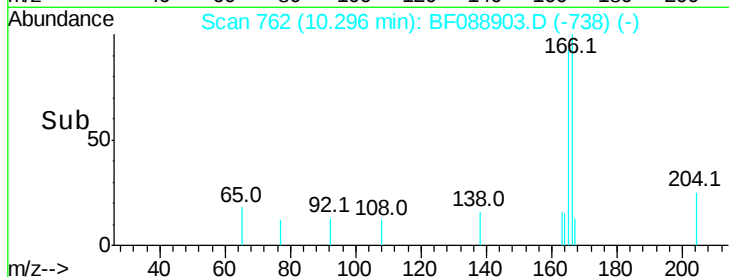
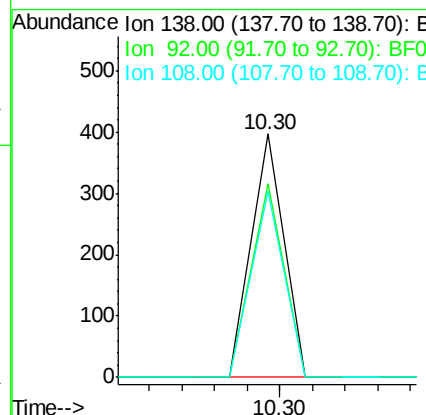
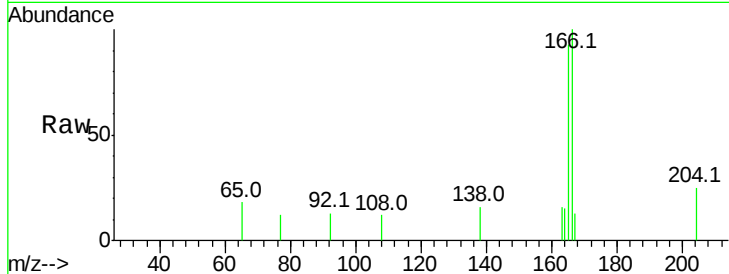
#61
4-Nitroaniline
Concen: 0.10 ng
RT: 10.30 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	79.3	27.3	67.3#
108	76.3	46.7	86.7

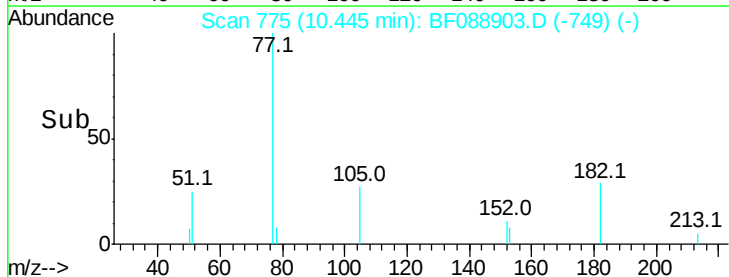
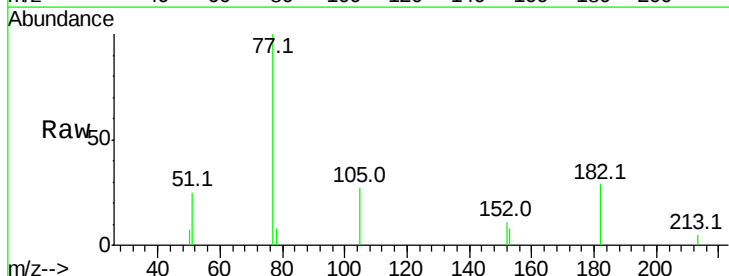
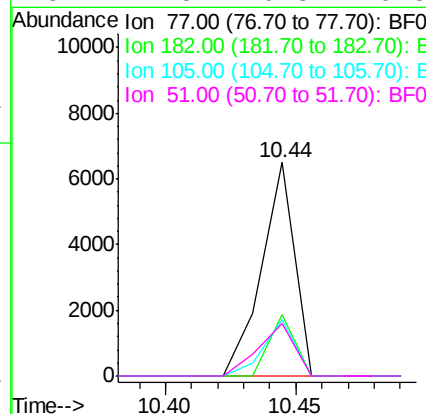
Manual Integrations

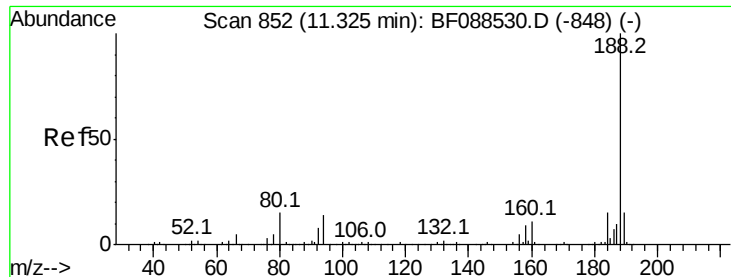
sohil
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#62
Azobenzene
Concen: 0.49 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.6	4.4	44.4
105	26.6	3.8	43.8
51	24.8	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

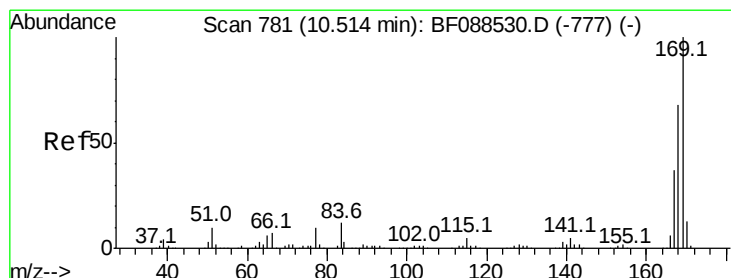
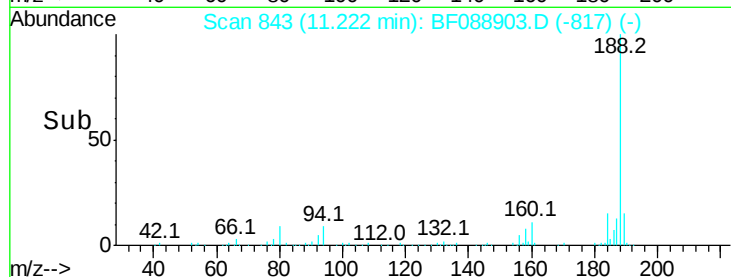
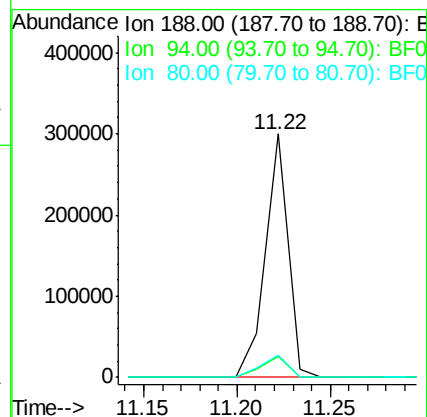
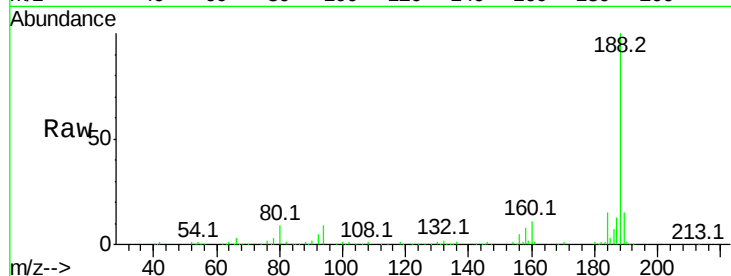
P001-TL001-01MS

Tot Ion:	188	Resp:	250245
Ion Ratio	Lower	Upper	
188	100		
94	8.5	9.0	13.6#
80	9.0	10.0	15.0#

Manual Integrations

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#65

n-Nitrosodiphenylamine

Concen: 0.08 ng

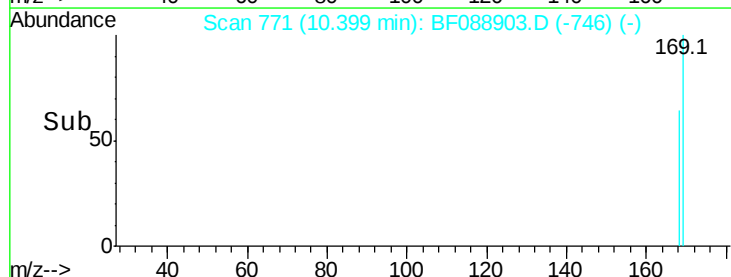
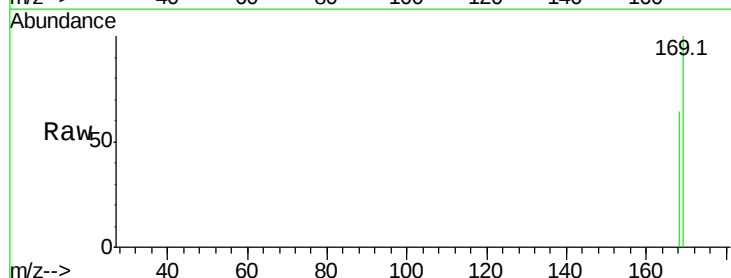
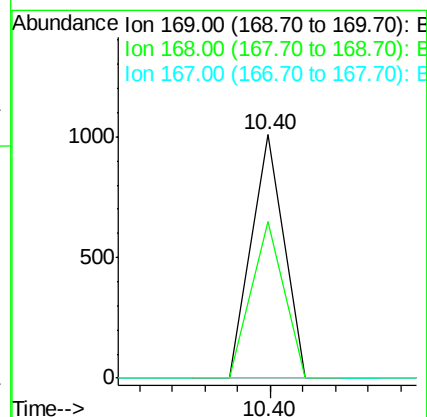
RT: 10.40 min Scan# 771

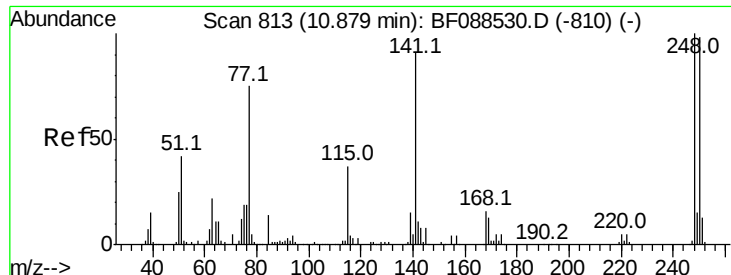
Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Tgt Ion:	169	Resp:	692
Ion Ratio	Lower	Upper	
169	100		
168	64.3	53.4	80.0
167	0.0	29.4	44.0#





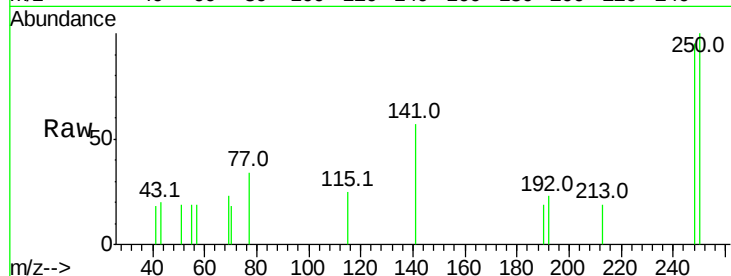
#66
4-Bromophenyl-phenylether
Concen: 0.62 ng
RT: 10.78 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

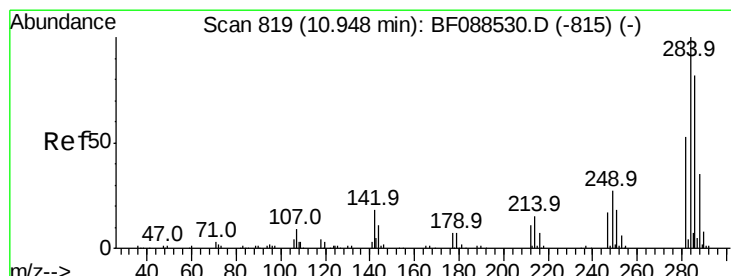
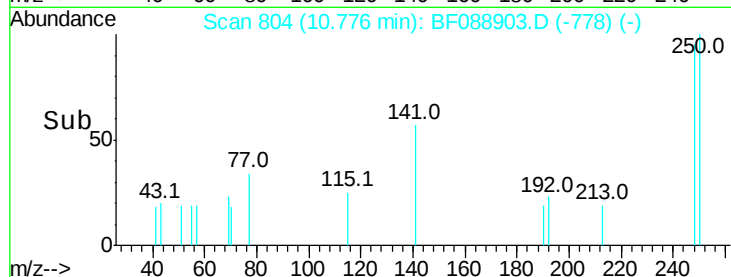
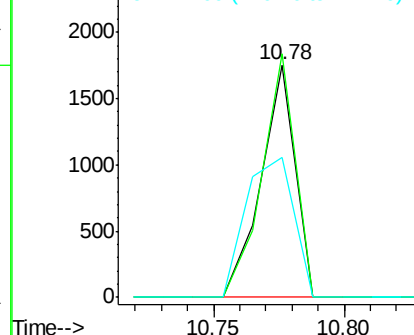
Tot Ion:248 Resp: 1575
Ion Ratio Lower Upper
248 100
250 104.7 77.1 115.7
141 60.1 50.6 76.0

Manual Integrations

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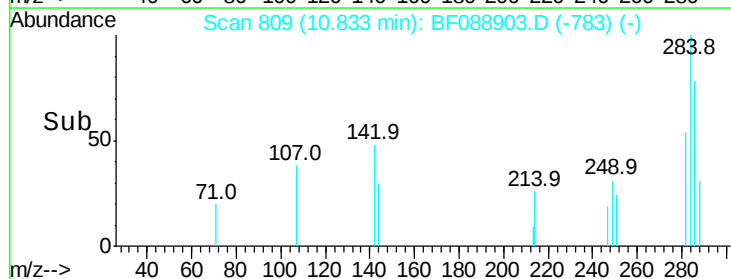
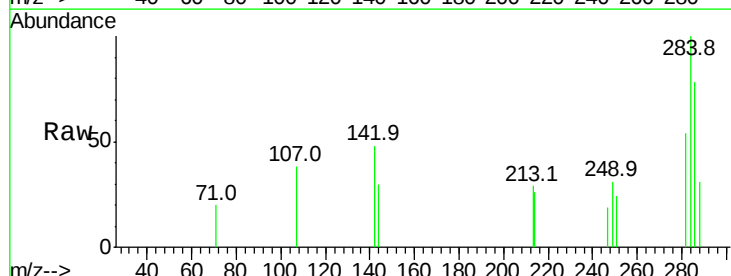
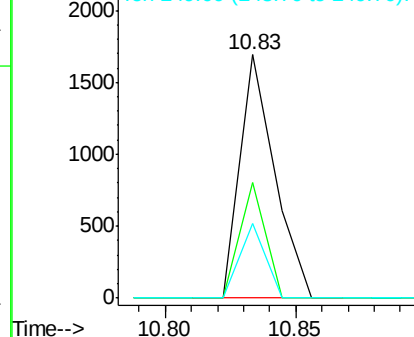
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

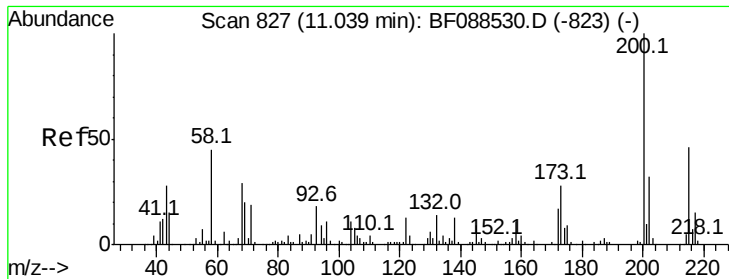


#67
Hexachlorobenzene
Concen: 0.57 ng
RT: 10.83 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion:284 Resp: 1579
Ion Ratio Lower Upper
284 100
142 47.6 35.8 53.8
249 30.7 25.8 38.6

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





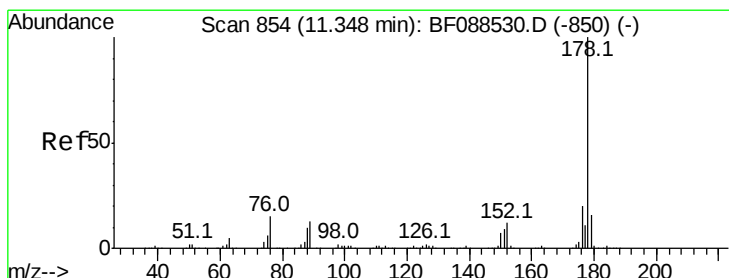
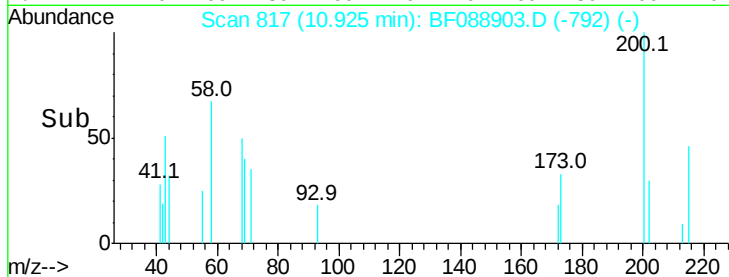
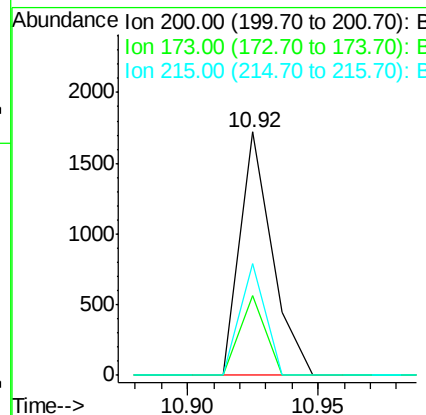
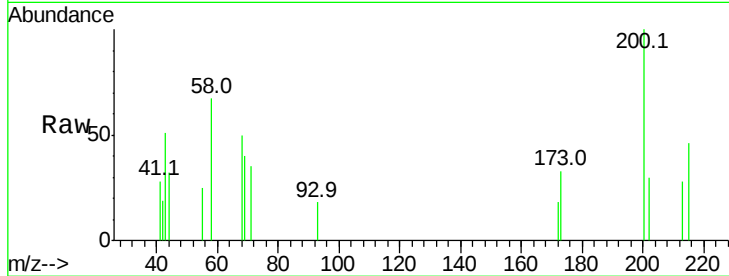
#68
Atrazine
Concen: 0.56 ng
RT: 10.92 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion:200 Resp: 1488
Ion Ratio Lower Upper
200 100
173 32.8 4.0 44.0
215 46.0 29.3 69.3

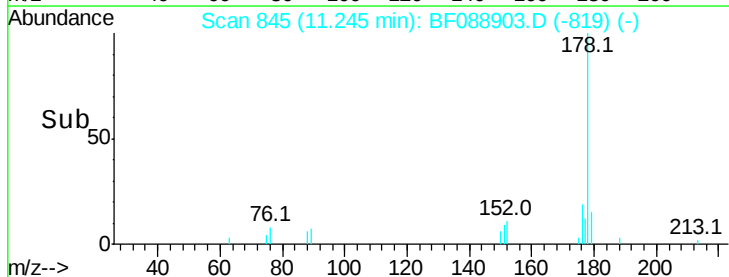
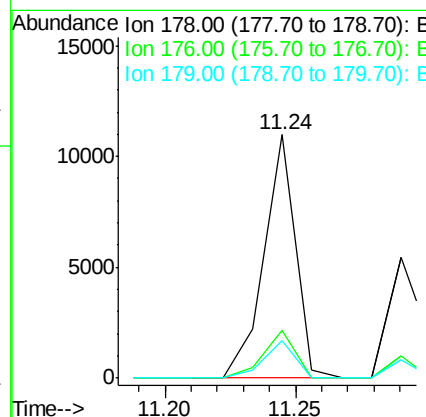
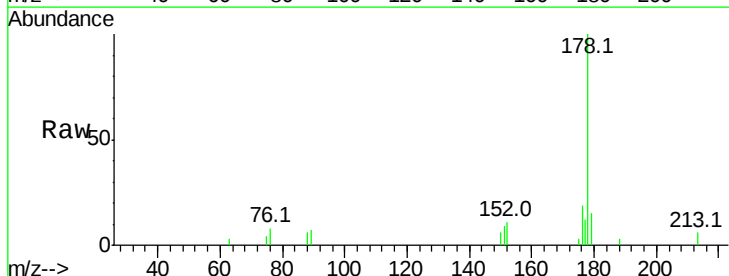
Manual Integrations

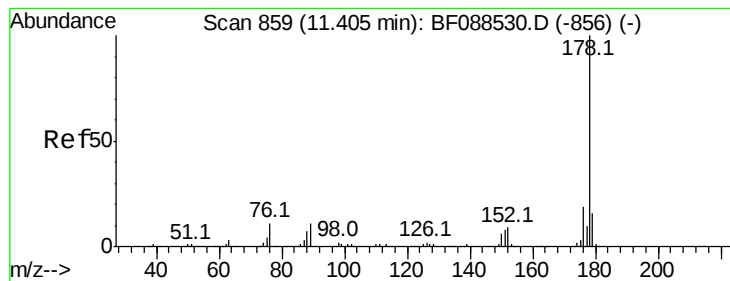
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#70
Phenanthrene
Concen: 0.68 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion:178 Resp: 9308
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.3 13.0 19.4





#71

Anthracene

Concen: 0.36 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:178 Resp: 4830

Ion Ratio Lower Upper

178 100

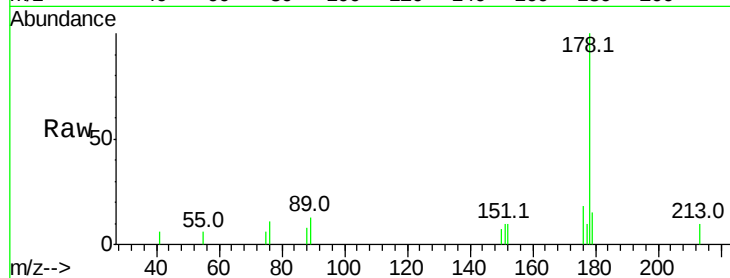
176 18.1 15.6 23.4

179 14.7 12.8 19.2

Manual Integrations

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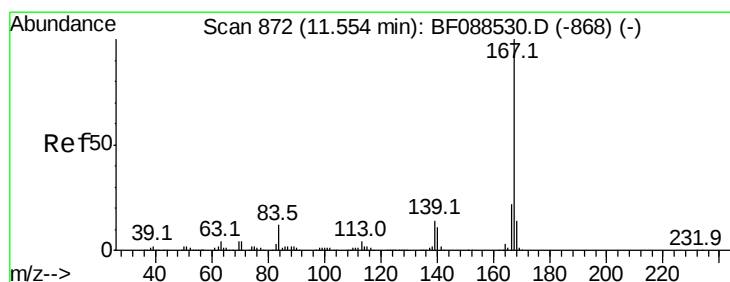
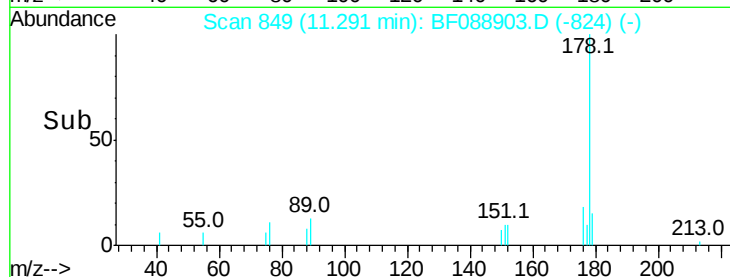
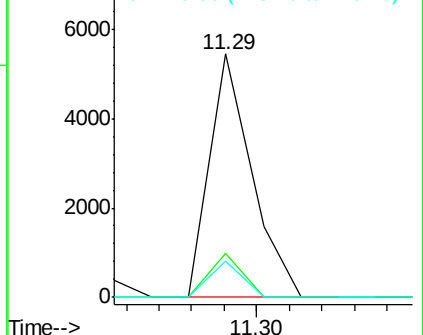
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.37 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

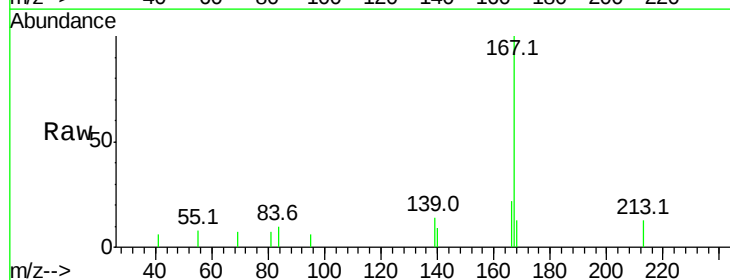
Tgt Ion:167 Resp: 4717

Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.6

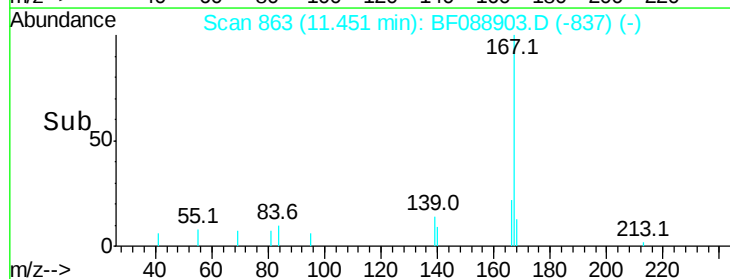
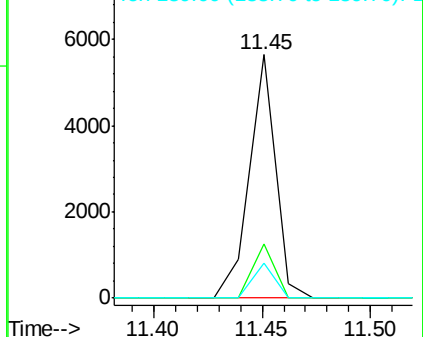
139 14.3 11.2 16.8

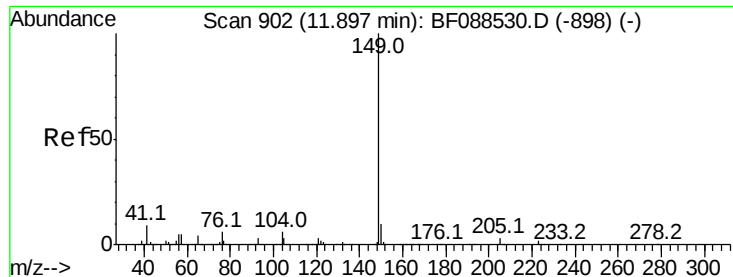


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.78 ng

RT: 11.79 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

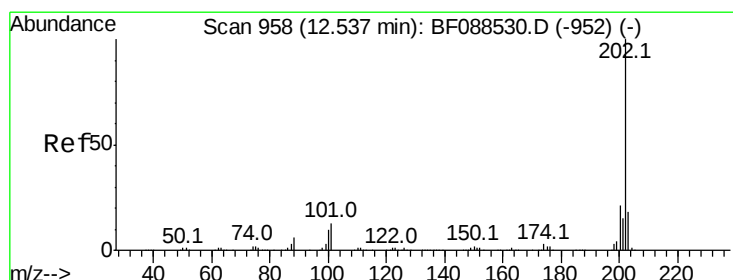
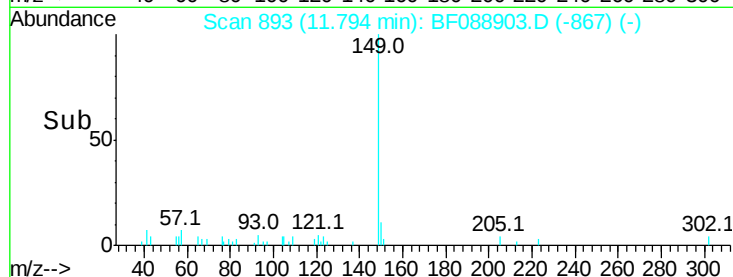
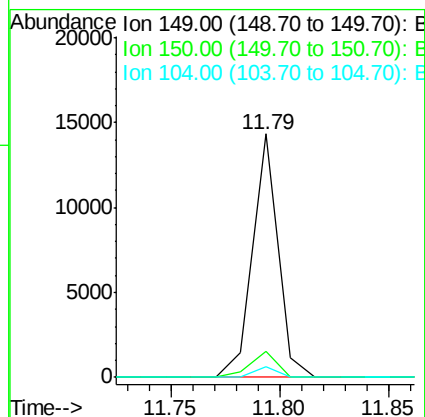
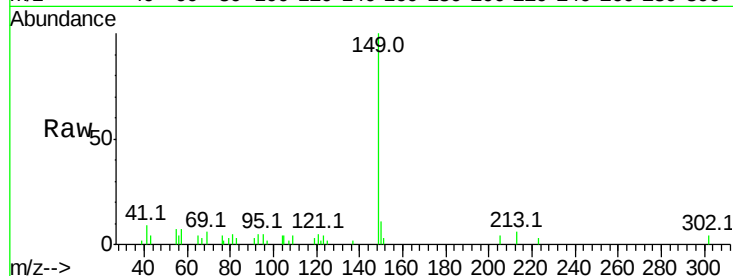
P001-TL001-01MS

Tot Ion:	149	Resp:	11649
Ion Ratio	Lower	Upper	
149	100		
150	10.8	7.8	11.6
104	4.4	4.0	6.0

Manual Integrations

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#74

Fluoranthene

Concen: 0.66 ng

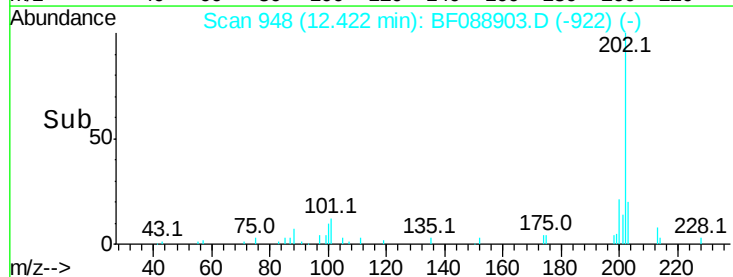
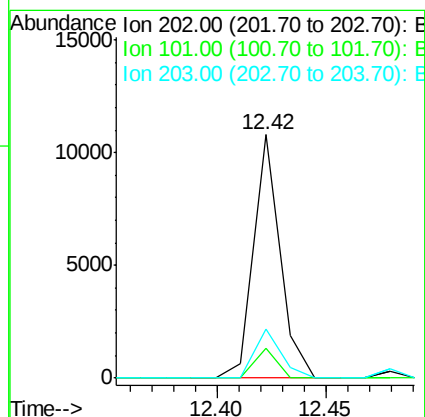
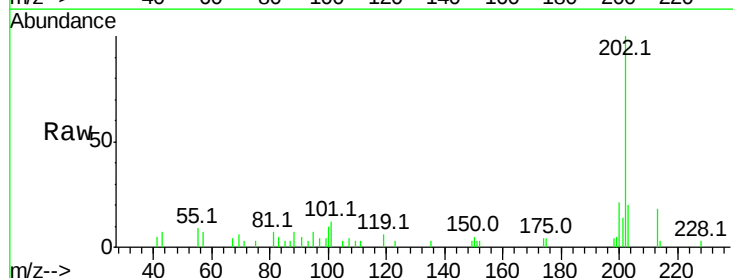
RT: 12.42 min Scan# 948

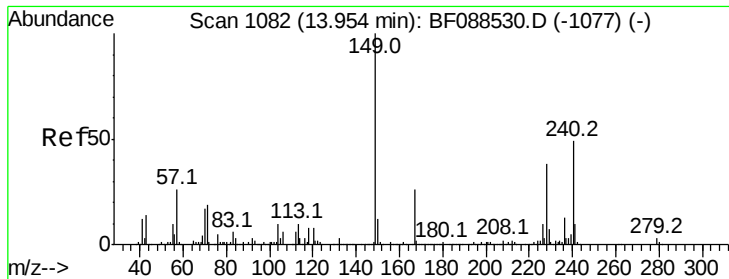
Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Tgt Ion:	202	Resp:	9154
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	33.1
203	20.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:240 Resp: 174735

Ion Ratio Lower Upper

240 100

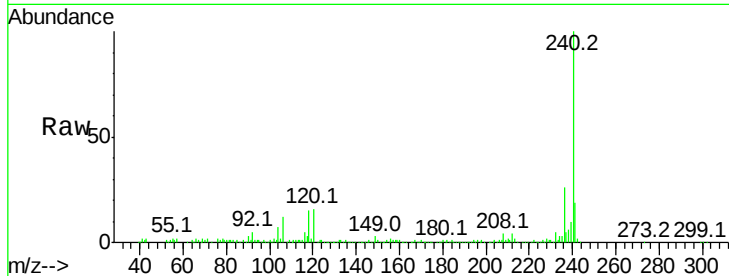
120 16.0 6.8 10.2#

236 25.6 20.2 30.2

Manual Integrations

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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

13.84

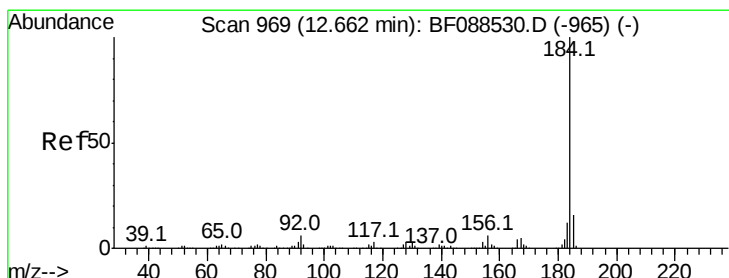
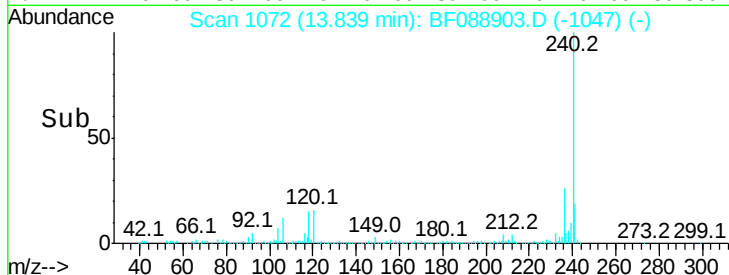
150000

100000

50000

0

Time-->



#76

Benzidine

Concen: 0.04 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

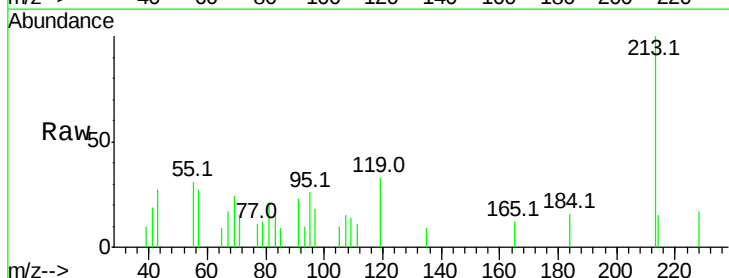
Tgt Ion:184 Resp: 344

Ion Ratio Lower Upper

184 100

185 0.0 12.5 18.7#

183 0.0 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.55

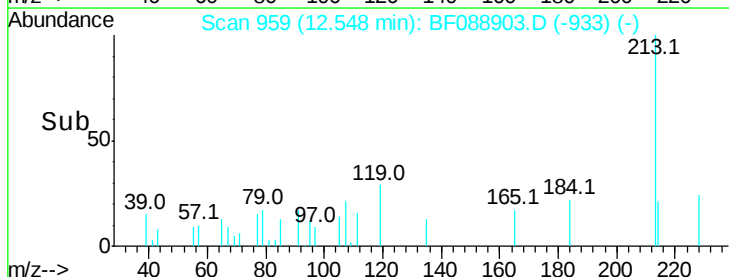
600

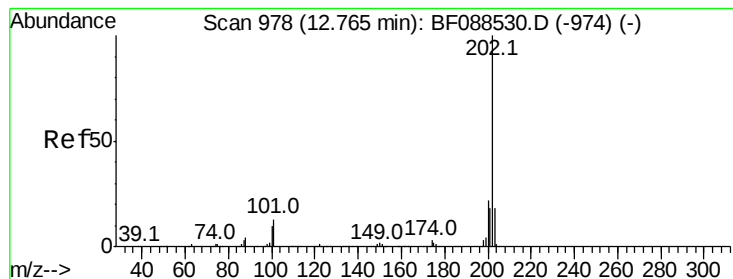
400

200

0

Time-->





#77

Pvrene

Concen: 0.52 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

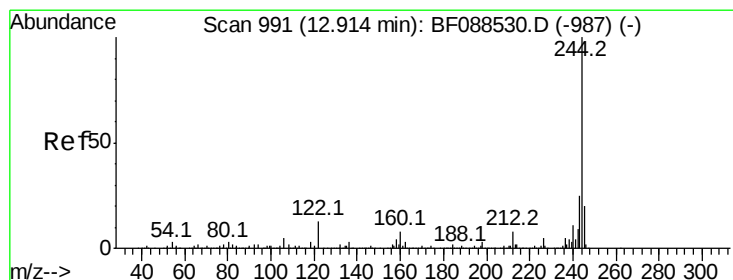
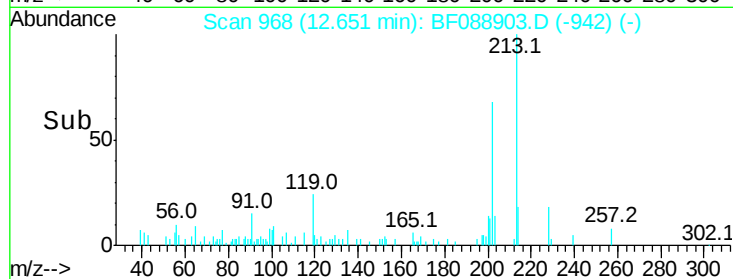
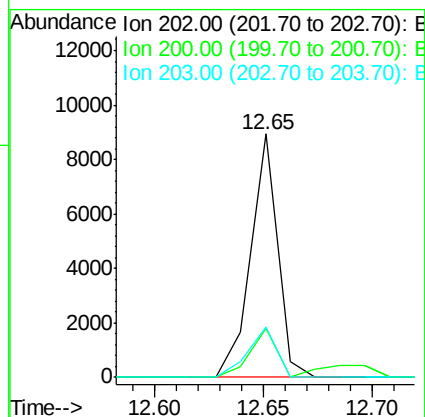
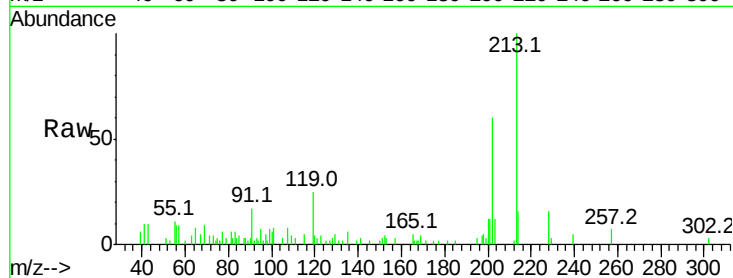
P001-TL001-01MS

Tot Ion:	202	Resp:	7670
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	20.6	14.5	21.7

Manual Integrations

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#78

Terphenyl-d14

Concen: 2.95 ng

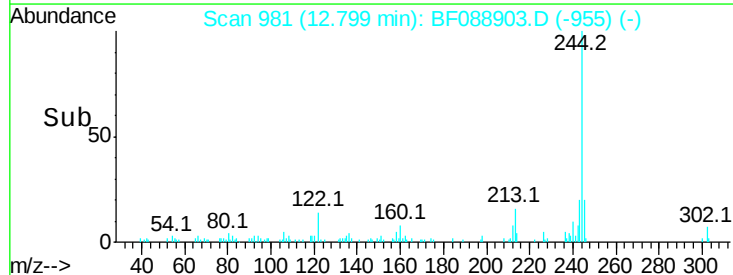
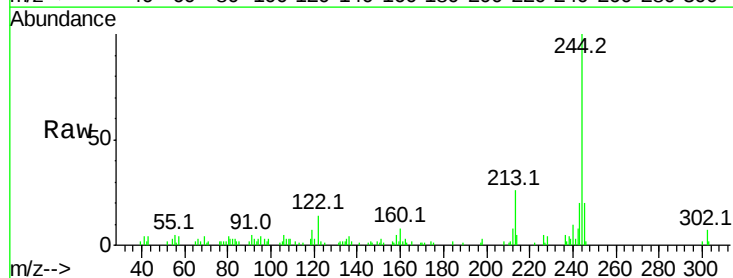
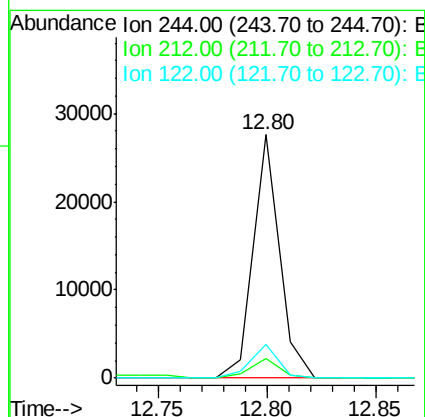
RT: 12.80 min Scan# 981

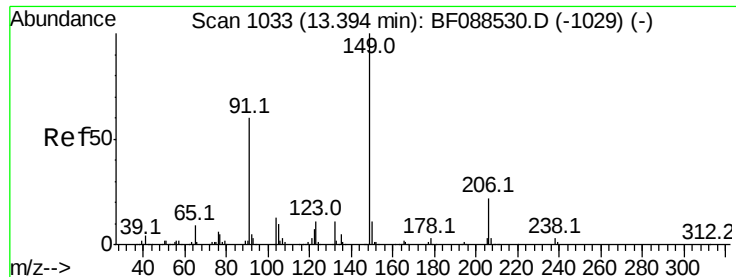
Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Tgt Ion:	244	Resp:	23135
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.0	9.0
122	13.6	11.2	16.8





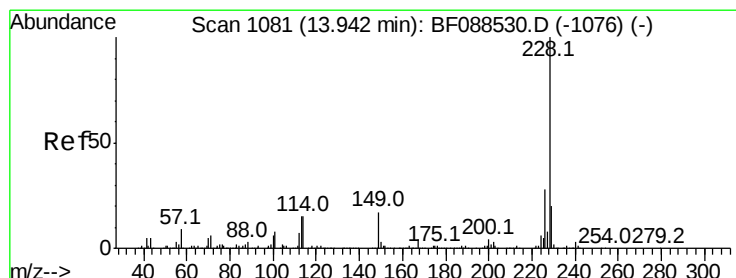
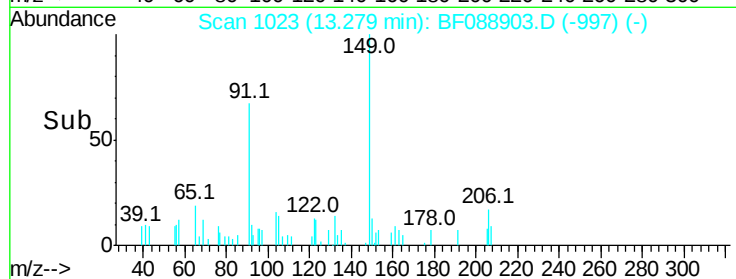
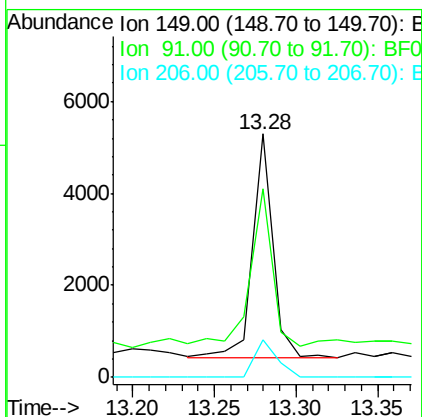
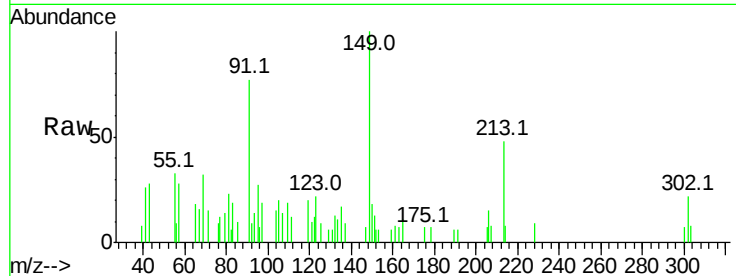
#79
Butylbenzylphthalate
Concen: 0.64 ng
RT: 13.28 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	77.3	48.0	72.0#
206	15.2	16.0	24.0#

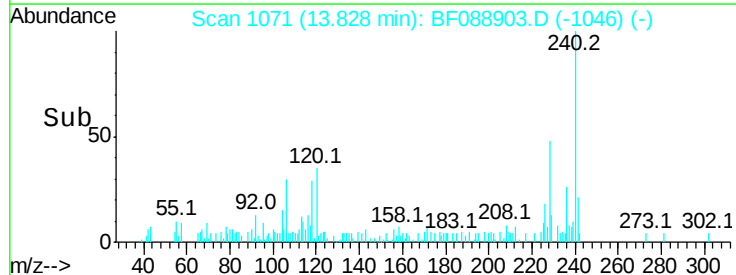
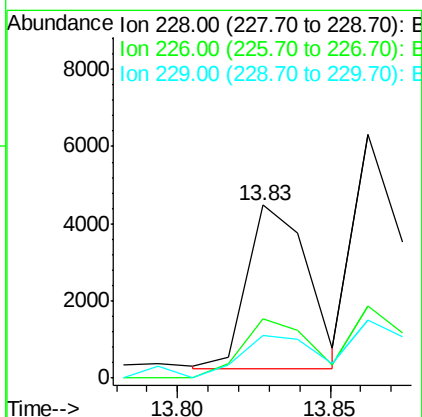
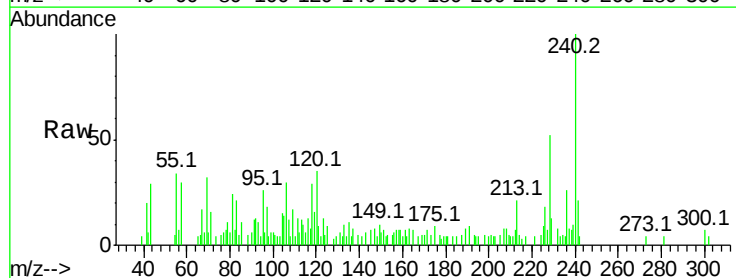
Manual Integrations

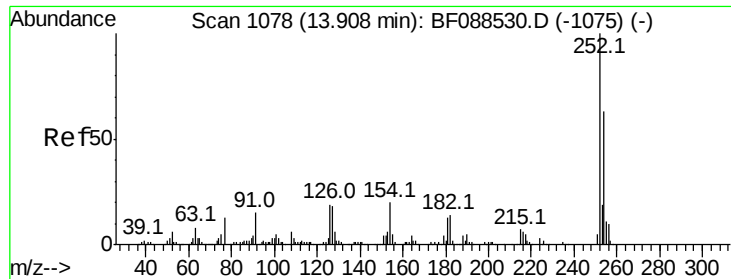
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#80
Benzo(a)anthracene
Concen: 0.52 ng m
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.3	33.5#
229	24.9	16.0	24.0#





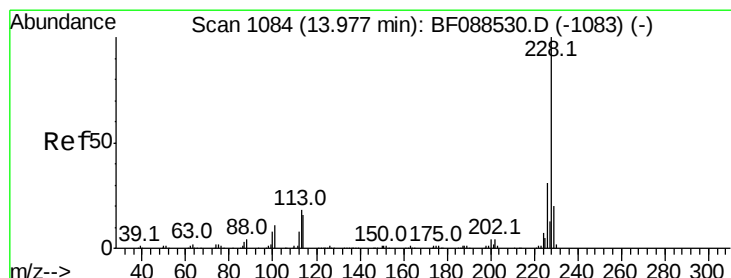
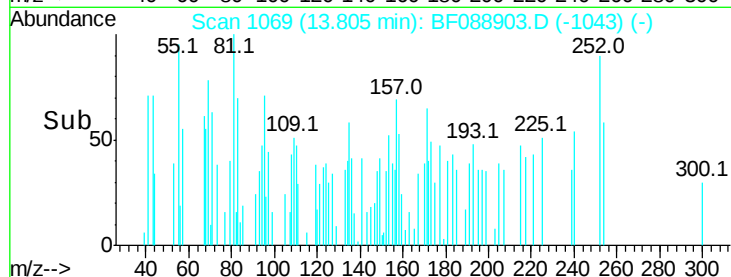
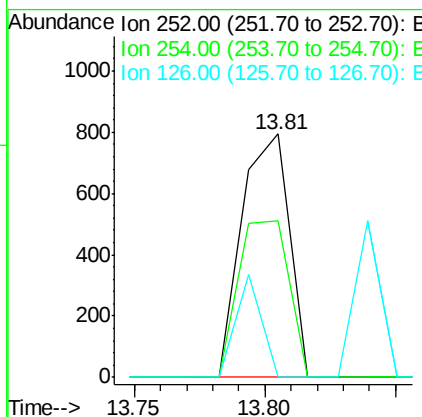
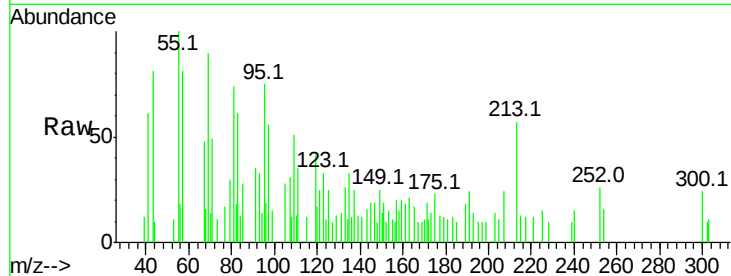
#81
 3,3'-Dichlorobenzidine
 Concen: 0.24 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.6	78.8
126	0.0	6.2	9.2

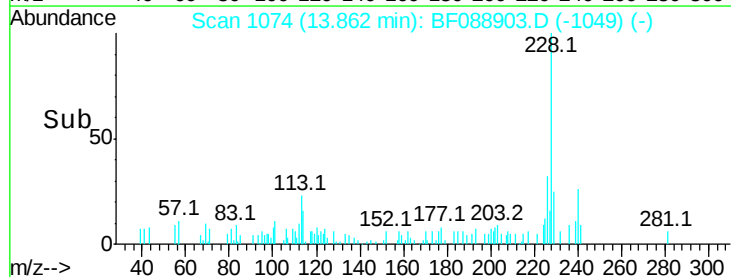
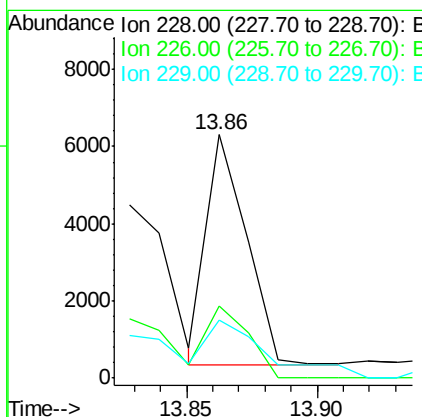
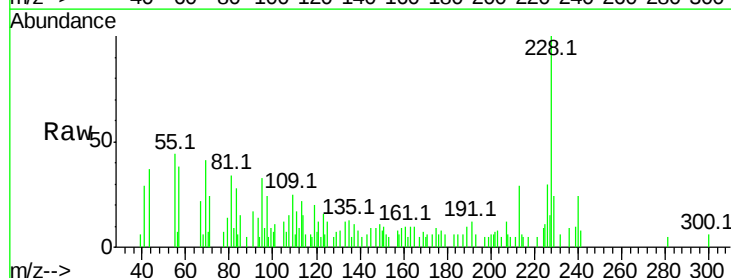
Manual Integrations

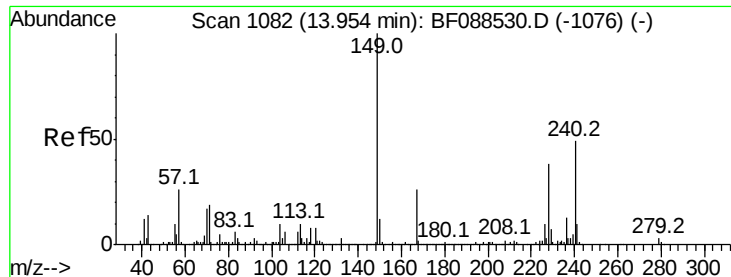
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#82
 Chrysene
 Concen: 0.58 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: BF088903.D
 Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.2
229	23.8	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.84 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:149 Resp: 6320

Ion Ratio Lower Upper

149 100

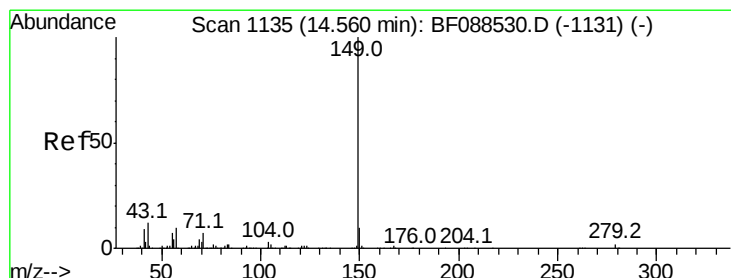
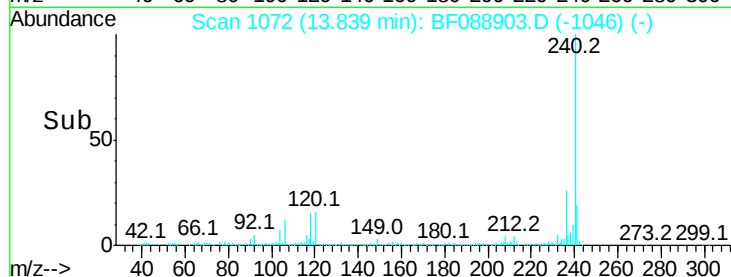
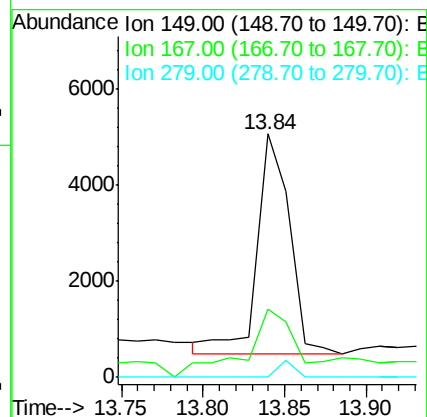
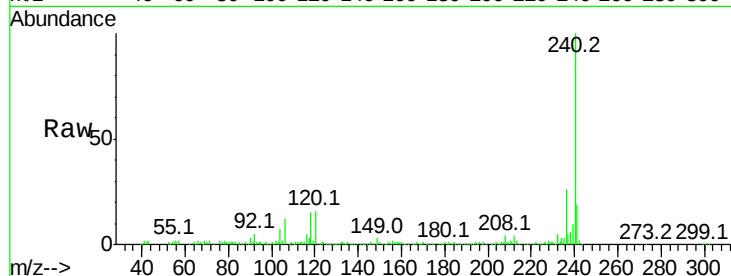
167 28.0 20.5 30.7

279 0.0 2.0 3.0#

Manual Integrations

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#84

Di-n-octyl phthalate

Concen: 0.93 ng

RT: 14.46 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

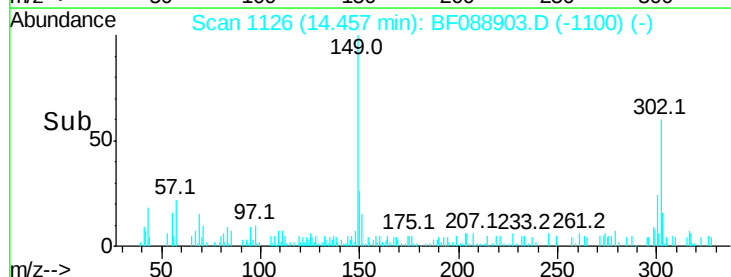
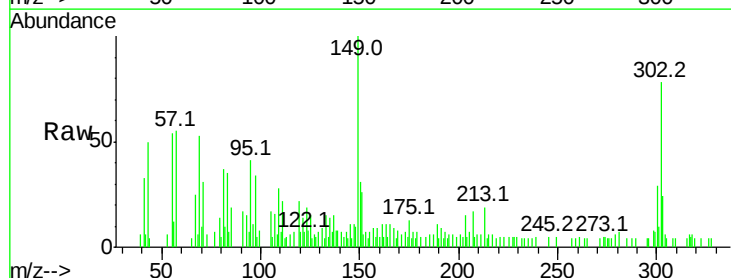
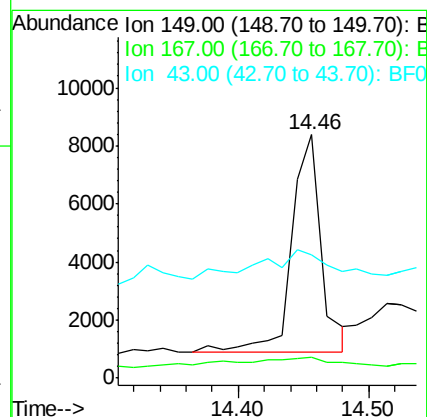
Tgt Ion:149 Resp: 11964

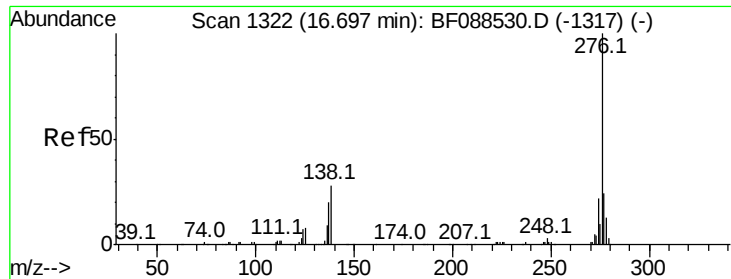
Ion Ratio Lower Upper

149 100

167 15.1 0.0 0.0#

43 36.7 0.0 0.0#





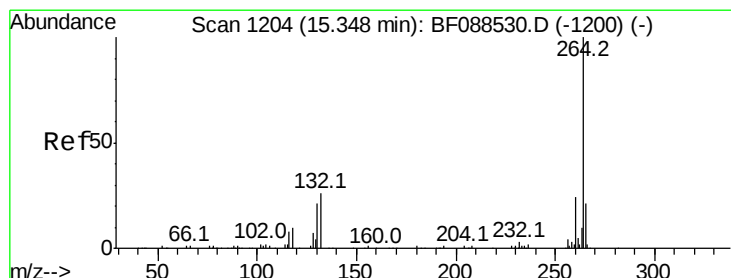
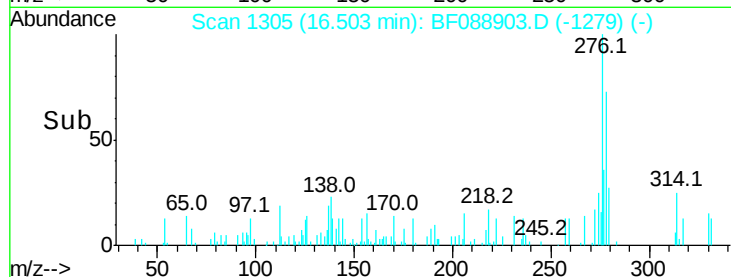
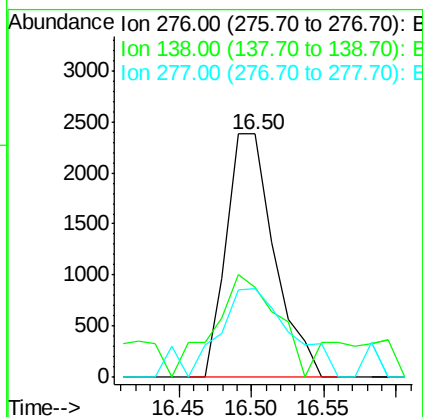
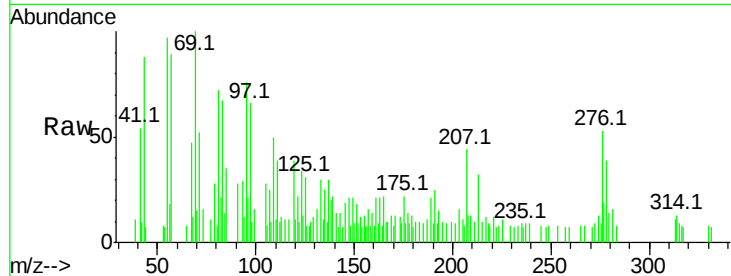
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.64 ng
RT: 16.50 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion: 276 Resp: 5454
Ion Ratio Lower Upper
276 100
138 54.5 0.0 0.0#
277 56.9 0.0 0.0#

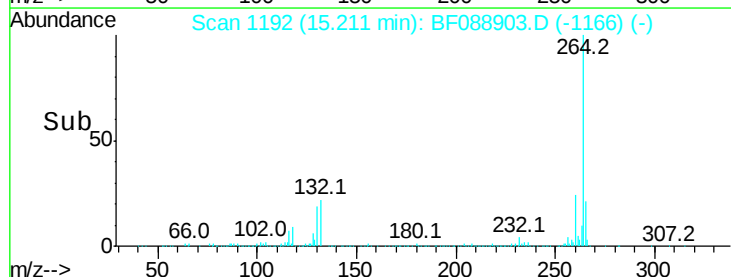
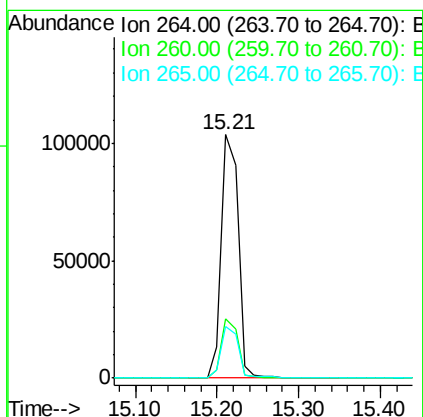
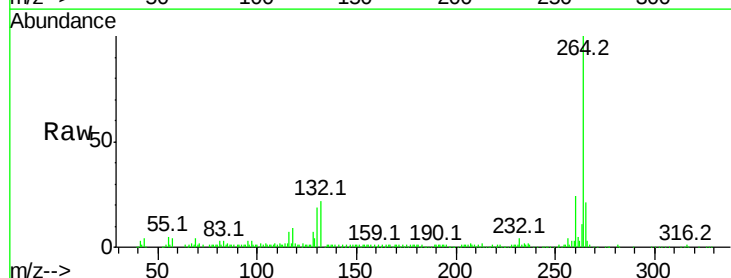
Manual Integrations

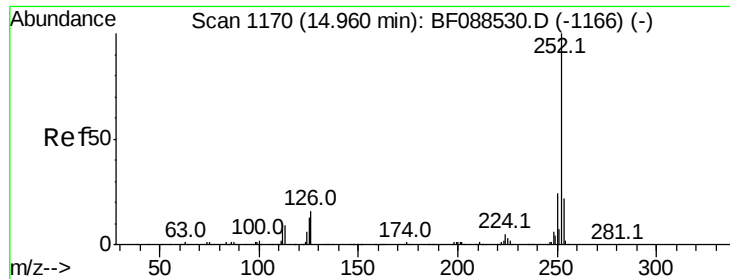
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion: 264 Resp: 149224
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.4 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 0.68 ng m

RT: 14.83 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:252 Resp: 6378

Ion Ratio Lower Upper

252 100

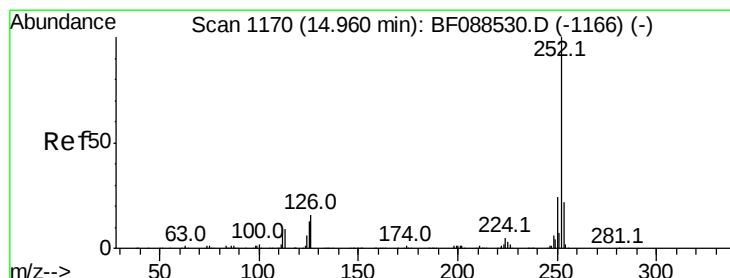
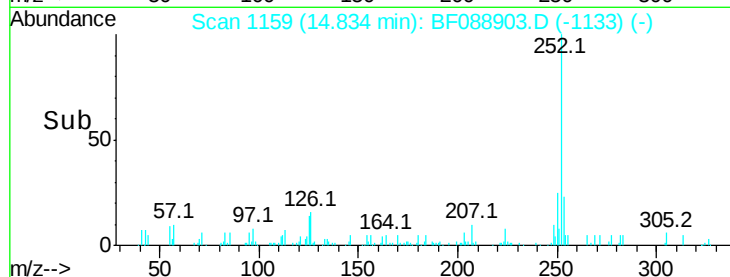
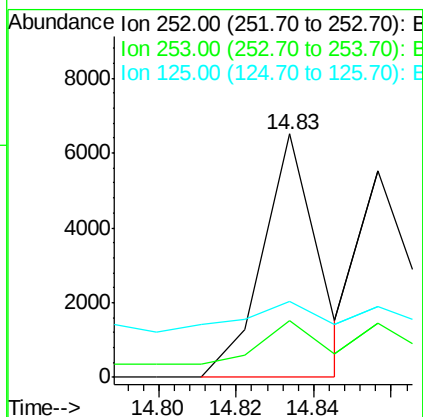
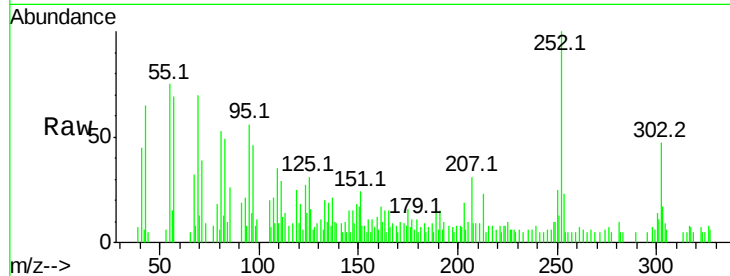
253 23.5 17.4 26.2

125 31.0 7.1 10.7#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 0.71 ng m

RT: 14.86 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

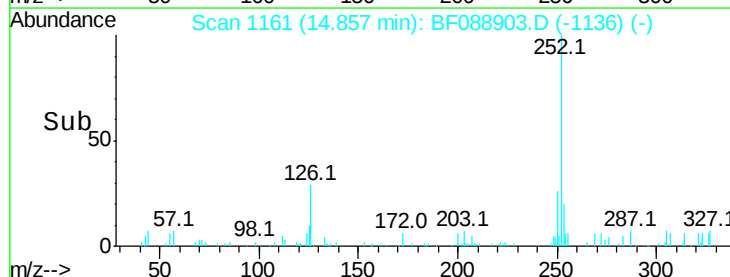
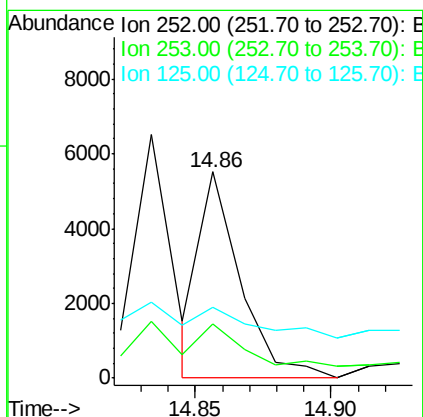
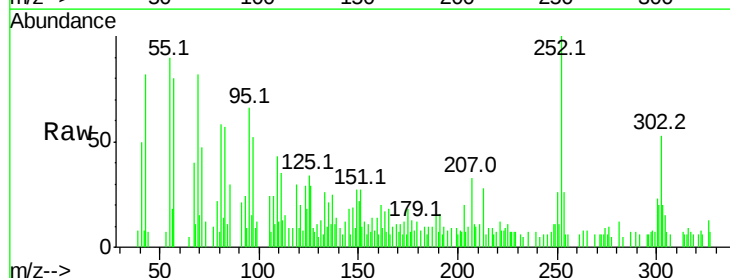
Tgt Ion:252 Resp: 5764

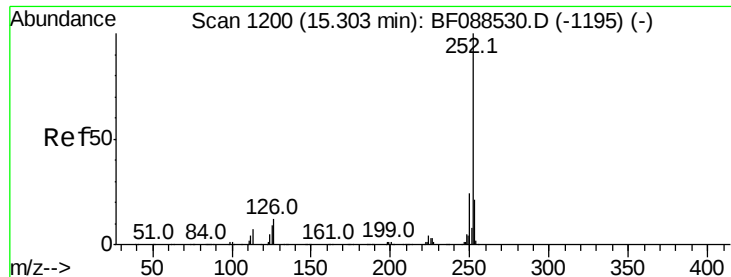
Ion Ratio Lower Upper

252 100

253 26.3 18.0 27.0

125 34.2 11.2 16.8#





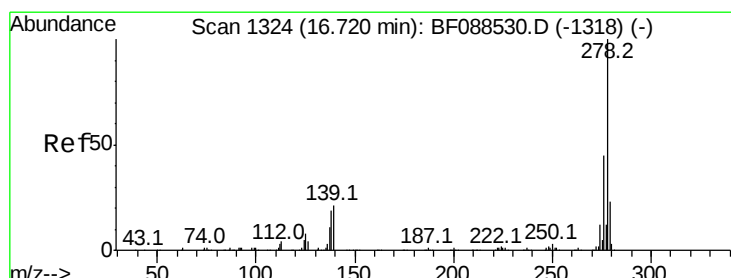
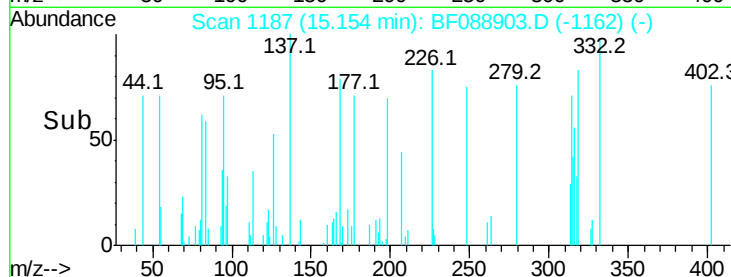
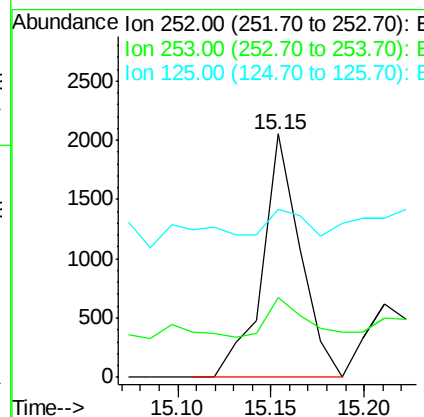
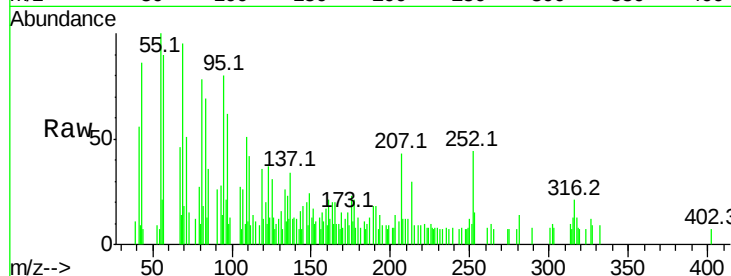
#89
Benzo(a)pyrene
Concen: 0.36 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Instrument :
BNA_F
ClientSampleId :
P001-TL001-01MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.9	17.9	26.9#
125	68.8	12.5	18.7#

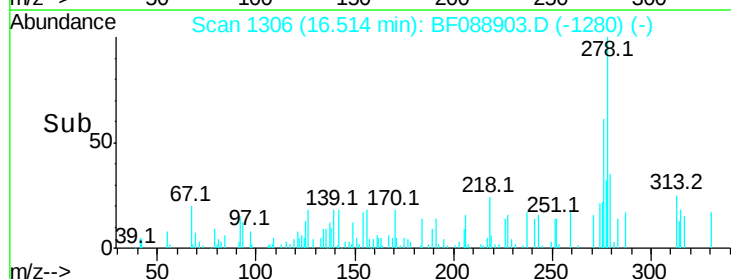
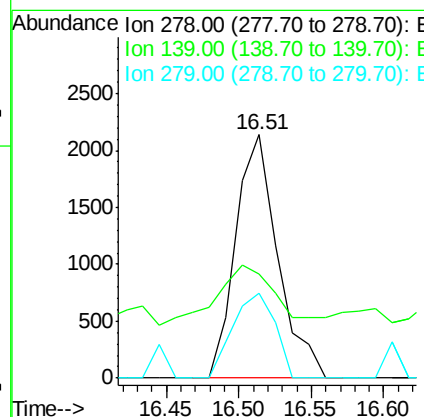
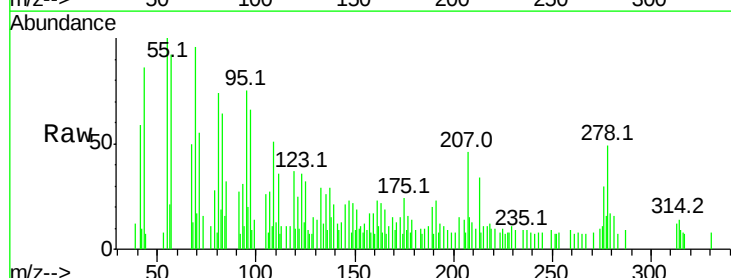
Manual Integrations

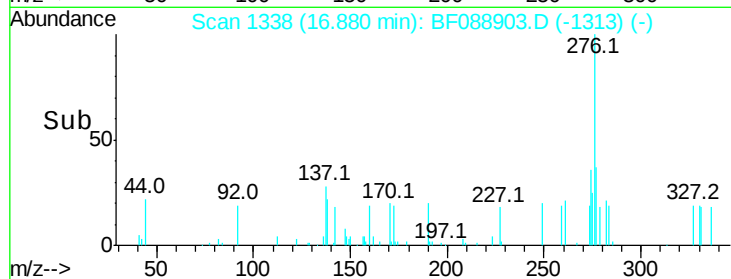
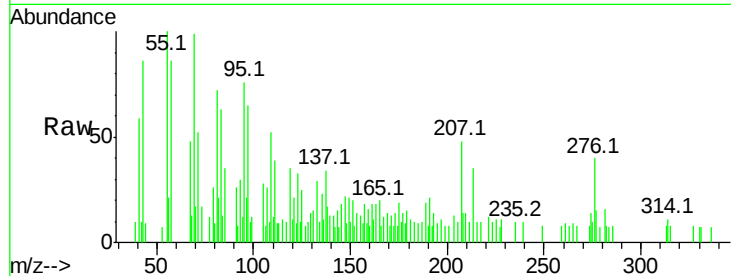
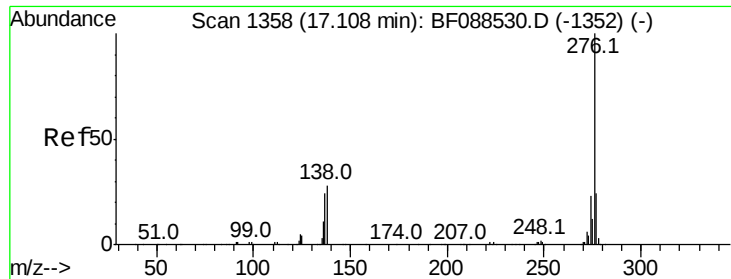
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#90
Dibenzo(a,h)anthracene
Concen: 0.65 ng
RT: 16.51 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF088903.D
Acq: 11 Jul 2016 17:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.9	15.7	23.5#
279	34.7	19.4	29.2#





#91

Benzo(a,h,i)perylene

Concen: 0.54 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088903.D

Acq: 11 Jul 2016 17:00

Instrument :

BNA_F

ClientSampleId :

P001-TL001-01MS

Tot Ion:276 Resp: 3726

Ion Ratio Lower Upper

276 100

277 37.4 18.9 28.3#

138 43.5 21.4 32.2#

Manual Integrations

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