Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083639.D
Acq On : 9 Dec 2015 14:49
Operator : UM/IZ
Sample : G4561-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Manual Integrations APPROVED
MMdadoda
12/10/2015 5:49:58 PM

Quant Time: Dec 10 00:33:24 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.69	152	88331	20.00	ng	-0.01
21) Naphthalene-d8	7.62	136	192328	20.00	ng	0.01
38) Acenaphthene-d10	10.34	164	22047	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	8002	20.00	ng	-0.01
75) Chrysene-d12	17.01	240	274247	20.00	ng	0.02
86) Perylene-d12	18.65	264	274472	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	565981	97.18	ng	-0.02
7) Phenol-d6	5.25	99	1129557	145.16	ng	-0.02
23) Nitrobenzene-d5	6.52	82	318224	77.21	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.49	172	553412	353.28	ng	0.15
78) Terphenyl-d14	15.47	244	626047	53.71	ng	0.06
Target Compounds						Qvalue
10) Phenol	5.28	94	20799	2.21	ng	# 13
14) 1,2-Dichlorobenzene	5.71	146	14404	2.13	ng	# 1
15) Benzyl Alcohol	5.94	79	30509	5.51	ng	# 52
18) Hexachloroethane	6.51	117	657077	255.52	ng	# 13
19) n-Nitroso-di-n-propylamine	6.30	70	47487	8.74	ng	# 73
22) Acetophenone	6.19	105	445213	82.53	ng	# 76
24) Nitrobenzene	6.66	77	45419	9.97	ng	# 52
25) Isophorone	6.86	82	336750	42.10	ng	# 1
26) 2-Nitrophenol	6.98	139	37459	20.71	ng	# 1
27) 2,4-Dimethylphenol	7.06	122	60326	19.06	ng	# 1
28) bis(2-Chloroethoxy)methane	7.29	93	10451	2.35	ng	# 1
29) 2,4-Dichlorophenol	7.64	162	457816	159.09	ng	# 5
31) Naphthalene	7.73	128	631631	62.01	ng	# 1
32) Benzoic acid	7.48	122	7830	6.65	ng	# 1
33) 4-Chloroaniline	7.76	127	232878	62.70	ng	# 1
35) Caprolactam	8.56	113	1065193	1233.25	ng	# 1
36) 4-Chloro-3-methylphenol	8.66	107	23133	7.16	ng	# 45
37) 2-Methylnaphthalene	8.83	142	112794	17.63	ng	# 1
42) 2,4,6-Trichlorophenol	9.14	196	9854	22.42	ng	# 16
43) 2,4,5-Trichlorophenol	9.32	196	1931	4.53	ng	# 1
46) 2-Chloronaphthalene	9.28	162	34179	23.62	ng	# 1
47) 2-Nitroaniline	9.69	65	69146	132.52	ng	# 61
48) Acenaphthylene	9.98	152	288606	120.98	ng	# 1
49) Dimethylphthalate	9.90	163	76885	43.81	ng	# 22
50) 2,6-Dinitrotoluene	10.13	165	113693	313.78	ng	# 73
51) Acenaphthene	10.29	154	69553	50.92	ng	# 1
52) 3-Nitroaniline	10.51	138	206186	535.41	ng	# 47
53) 2,4-Dinitrophenol	10.62	184	6093	37.20	ng	# 1
54) Dibenzofuran	10.64	168	121243	64.01	ng	# 1
55) 4-Nitrophenol	10.83	139	545386	3216.73	ng	# 10
56) 2,4-Dinitrotoluene	10.74	165	31998	66.59	ng	# 67
57) Fluorene	11.06	166	8422	5.10	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.89	232	4234	13.01	ng	# 100
59) Diethylphthalate	11.10	149	17112	10.03	ng	# 1

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083639.D
Acq On : 9 Dec 2015 14:49
Operator : UM/IZ
Sample : G4561-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
MMdadoda
12/10/2015 5:49:58 PM

Quant Time: Dec 10 00:33:24 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
60) 4-Chlorophenyl-phenylether	11.24	204	245268	311.68	ng	#	1
61) 4-Nitroaniline	11.36	138	35165	100.51	ng	#	59
62) Azobenzene	11.65	77	157484	83.86	ng	#	1
64) 4,6-Dinitro-2-methylphenol	11.48	198	57315	1010.60	ng	#	1
65) n-Nitrosodiphenylamine	11.52	169	720059	2726.53	ng	#	58
66) 4-Bromophenyl-phenylether	12.09	248	1439	16.12	ng	#	1
68) Atrazine	12.44	200	12599	160.34	ng	#	1
69) Pentachlorophenol	12.49	266	14721	519.72	ng	#	45
70) Phenanthrene	12.81	178	170224	370.25	ng	#	1
71) Anthracene	12.81	178	170224	357.41	ng	#	1
72) Carbazole	13.08	167	575161	1408.23	ng	#	16
73) Di-n-butylphthalate	13.83	149	15253	29.69	ng	#	1
74) Fluoranthene	14.87	202	196348	417.47	ng		66
76) Benzidine	15.04	184	20899	2.45	ng	#	1
80) Benzo(a)anthracene	17.00	228	100854	6.28	ng	#	68
82) Chrysene	17.05	228	86665	5.39	ng	#	51
83) Bis(2-ethylhexyl)phthalate	17.09	149	56254	4.62	ng	#	88
85) Indeno(1,2,3-cd)pyrene	19.93	276	54555	5.02	ng	#	100
87) Benzo(b)fluoranthene	18.27	252	143957	9.21	ng	#	62
88) Benzo(k)fluoranthene	18.27	252	143957	8.36	ng	#	63
89) Benzo(a)pyrene	18.60	252	60500	3.97	ng	#	50
91) Benzo(g,h,i)perylene	20.29	276	50091	4.41	ng	#	88

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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Acq On : 9 Dec 2015 14:49
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Quant Time: Dec 10 00:33:24 2015
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QLast Update : Wed Dec 09 00:23:35 2015
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Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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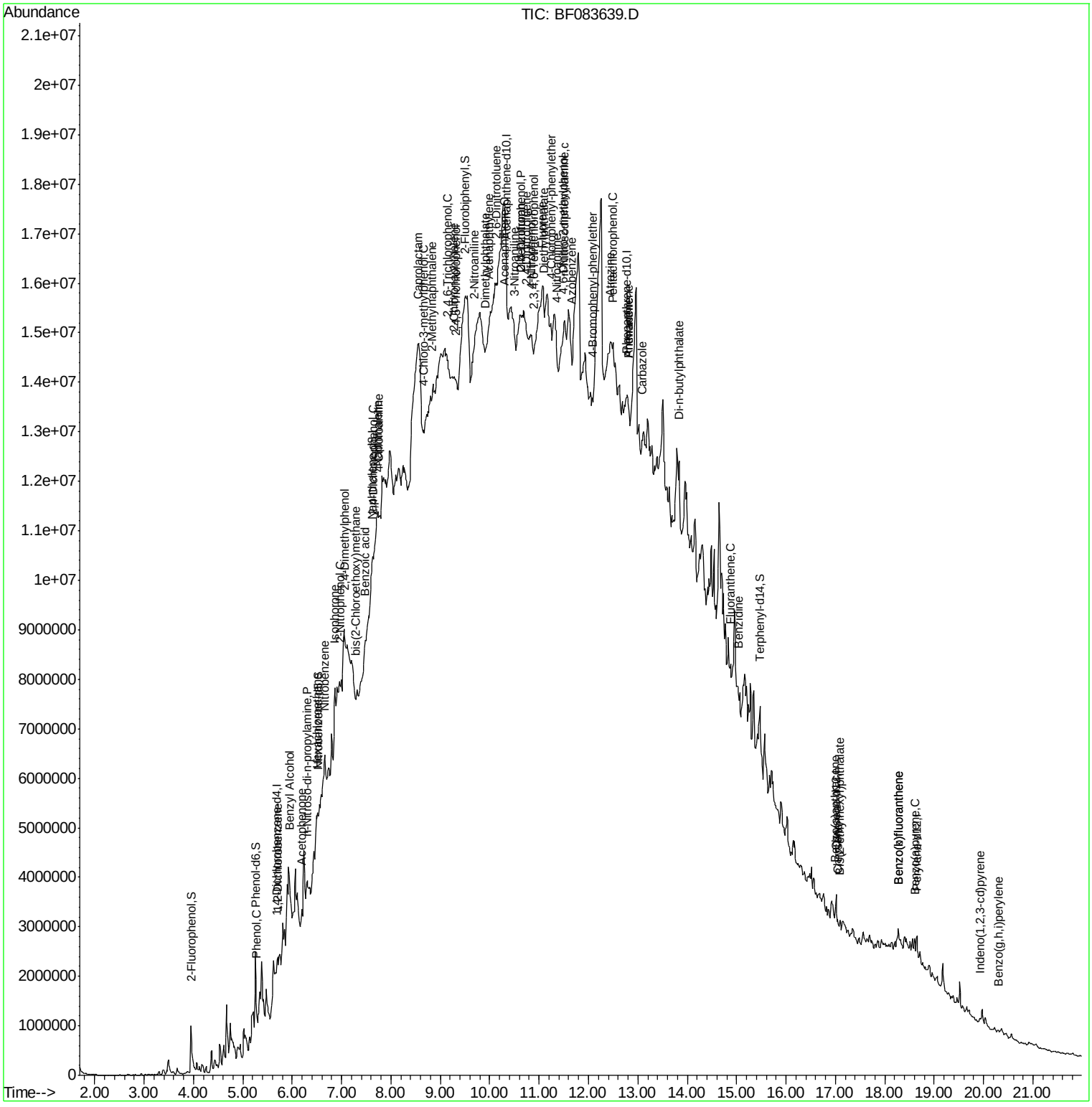
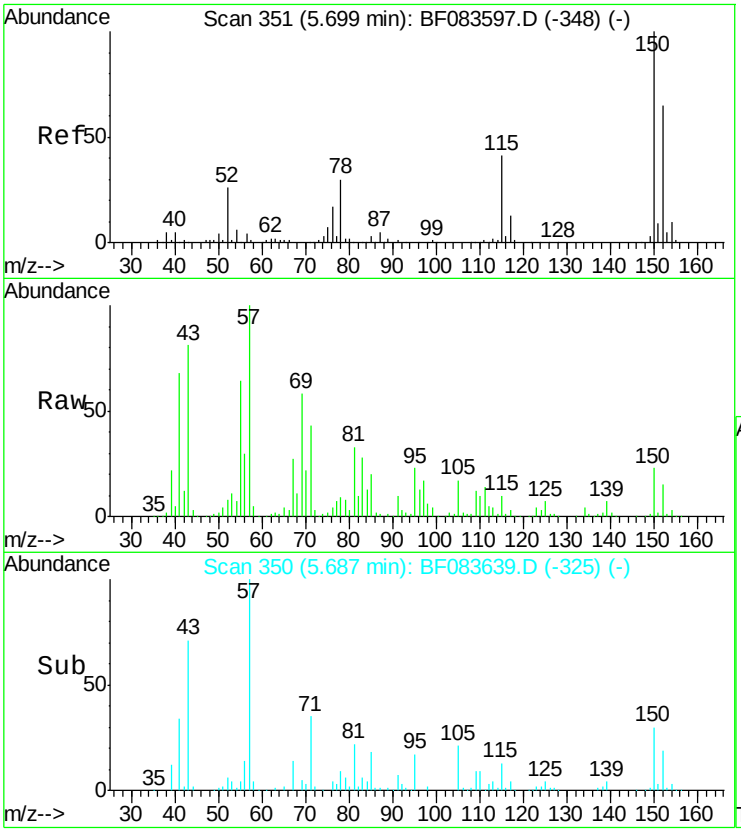
12/10/2015 5:49:58 PM

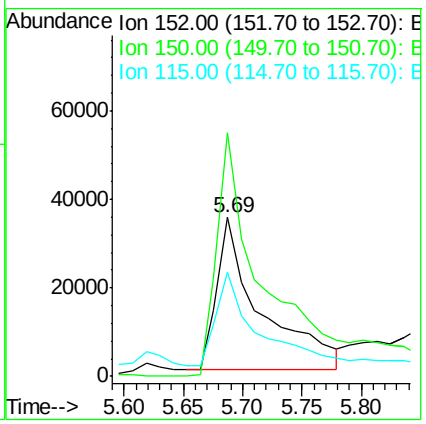




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.69 min Scan# 350
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:152 Resp: 88331

Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.5	189.7
115	65.5	52.3	78.5



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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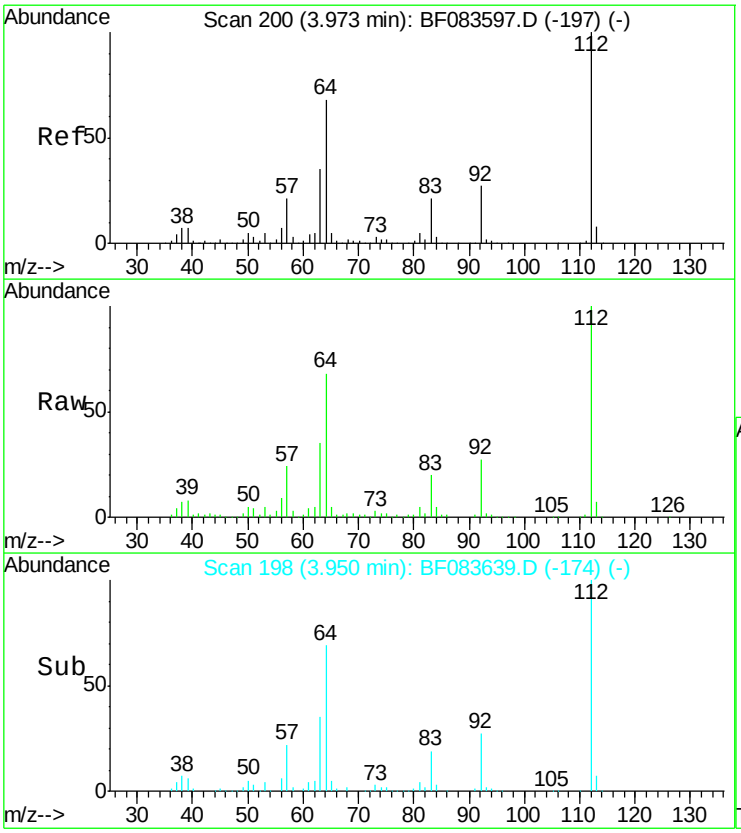
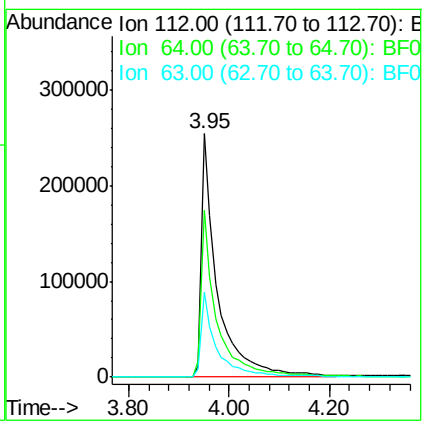
12/10/2015 5:49:58 PM

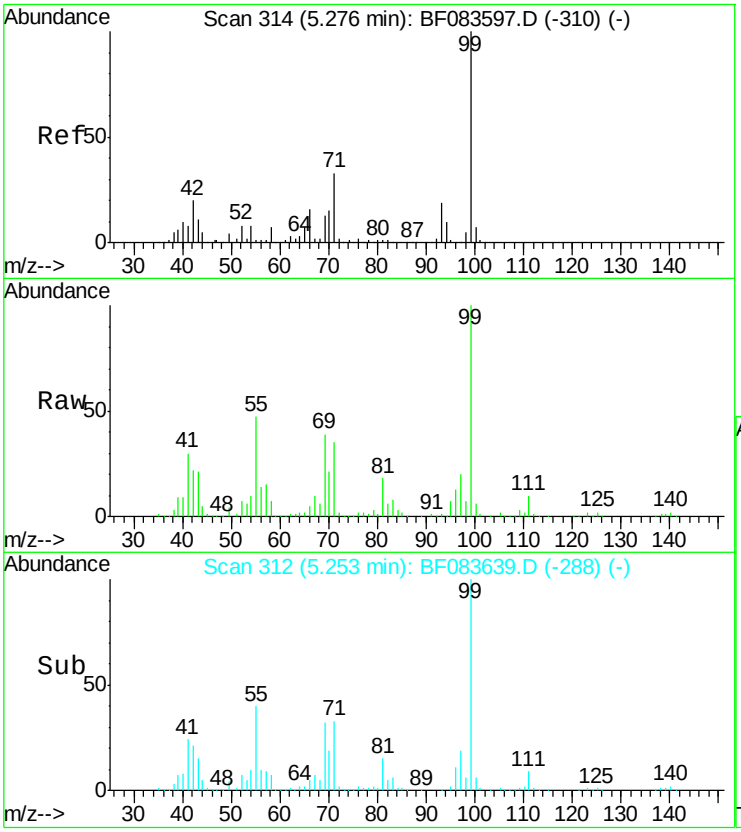


#5
2-Fluorophenol
Concen: 97.18 ng
RT: 3.95 min Scan# 198
Delta R.T. -0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:112 Resp: 565981

Ion	Ratio	Lower	Upper
112	100		
64	68.3	50.5	75.7
63	34.6	25.8	38.6

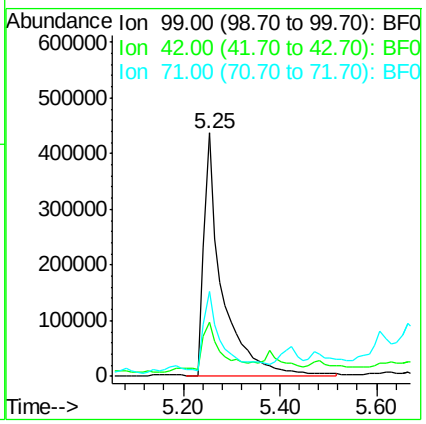




#7
Phenol-d6
Concen: 145.16 ng
RT: 5.25 min Scan# 312
Delta R.T. -0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 99 Resp: 1129557

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.3	25.9
71	35.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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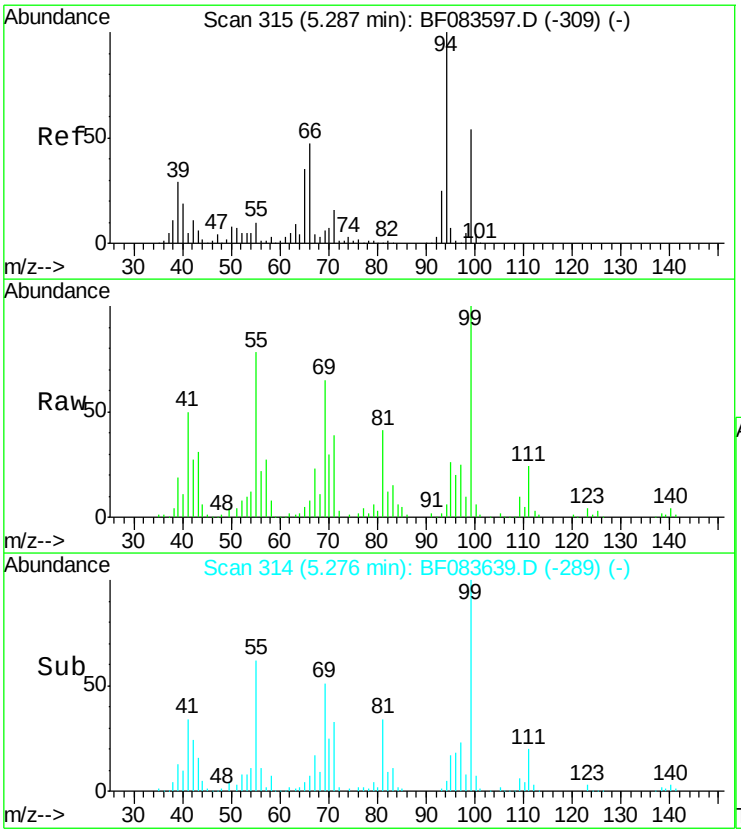
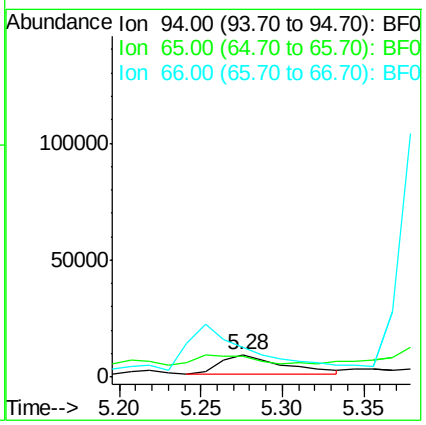
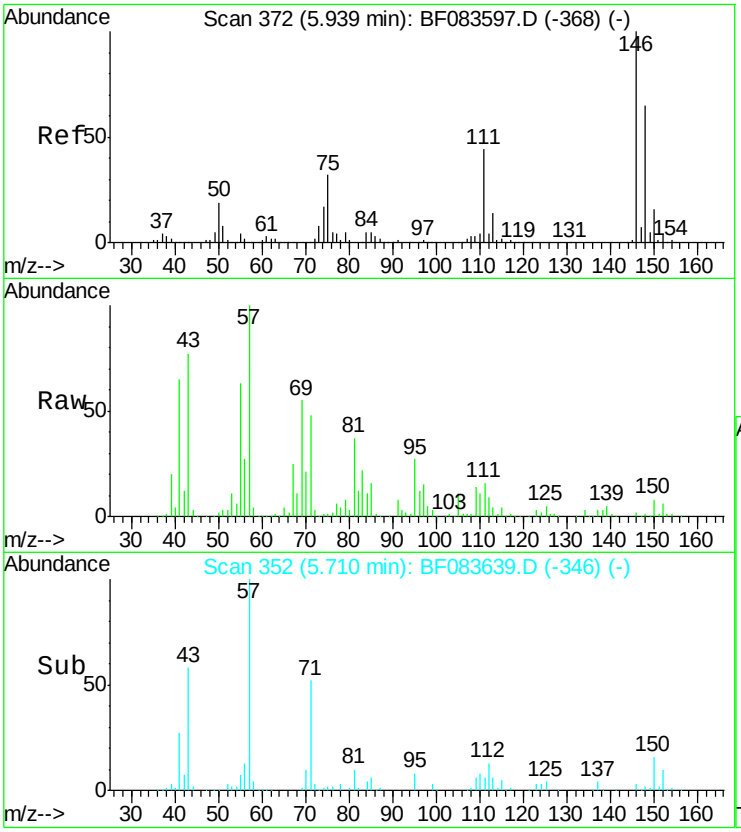


#10
Phenol
Concen: 2.21 ng
RT: 5.28 min Scan# 314
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 94 Resp: 20799

Ion	Ratio	Lower	Upper
94	100		
65	91.9	20.9	60.9#
66	131.5	41.6	81.6#





#14
1,2-Dichlorobenzene
Concen: 2.13 ng
RT: 5.71 min Scan# 352
Delta R.T. -0.23 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:146 Resp: 14404

Ion	Ratio	Lower	Upper
146	100		
148	72.8	51.4	77.0
111	853.2	36.7	55.1#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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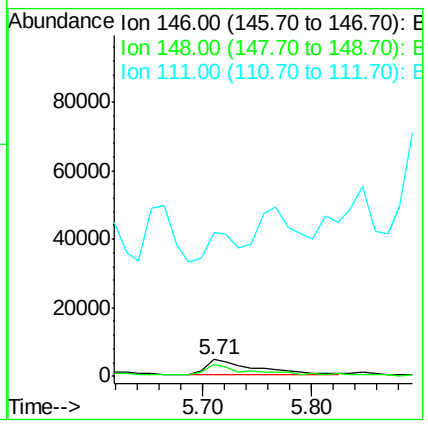
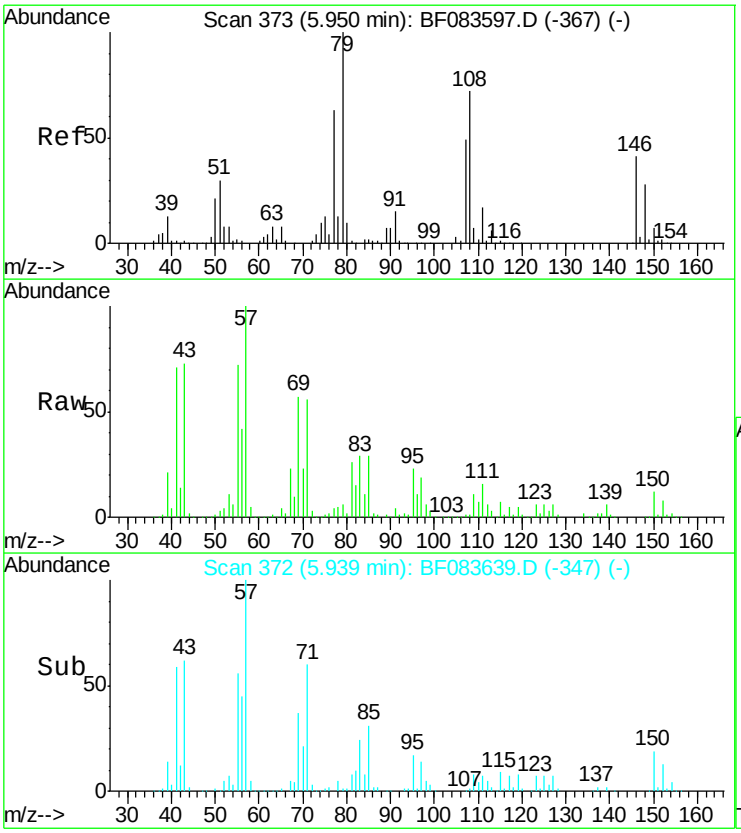
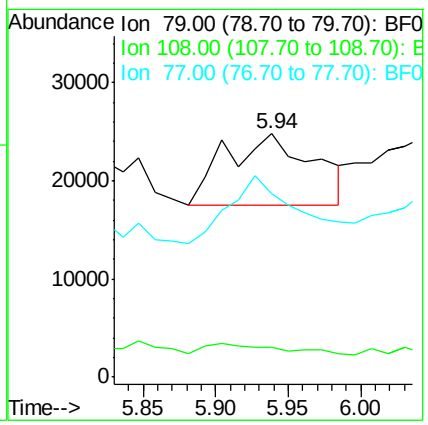


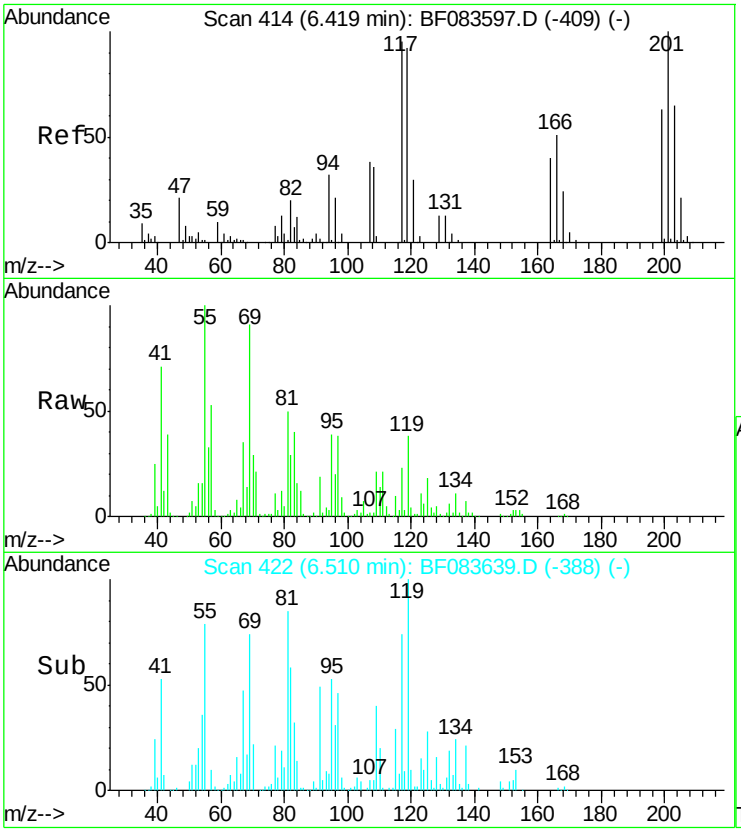


#15
Benzyl Alcohol
Concen: 5.51 ng
RT: 5.94 min Scan# 372
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 79 Resp: 30509

Ion	Ratio	Lower	Upper
79	100		
108	12.2	59.6	89.4#
77	75.1	49.8	74.6#

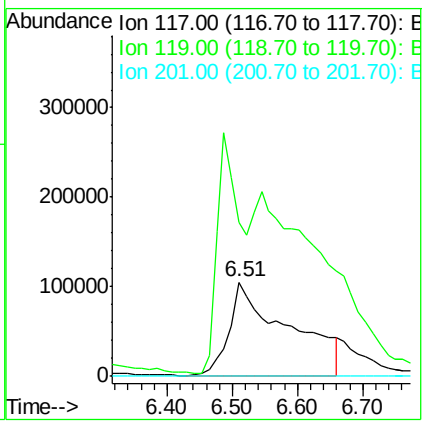




#18
Hexachloroethane
Concen: 255.52 ng
RT: 6.51 min Scan# 422
Delta R.T. 0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:117 Resp: 657077

Ion	Ratio	Lower	Upper
117	100		
119	163.8	77.2	115.8#
201	0.0	86.8	130.2#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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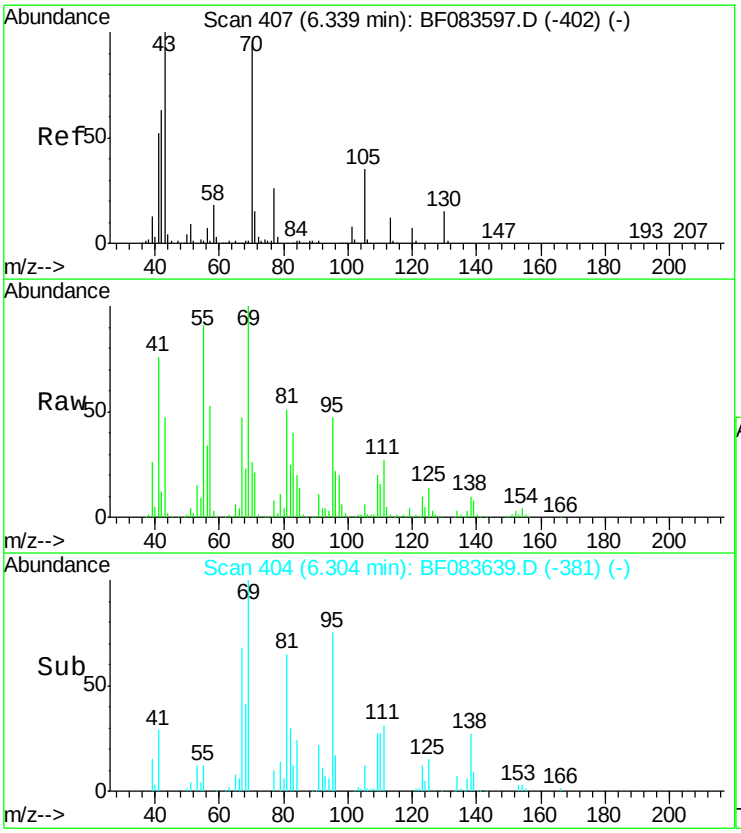
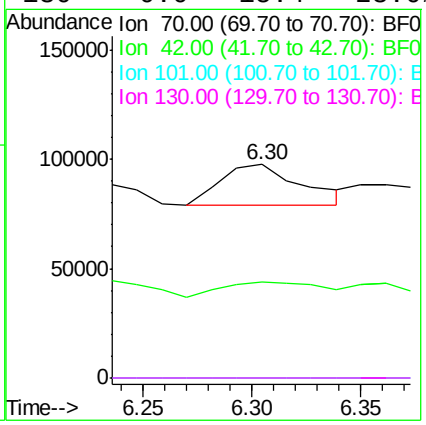
12/10/2015 5:49:58 PM

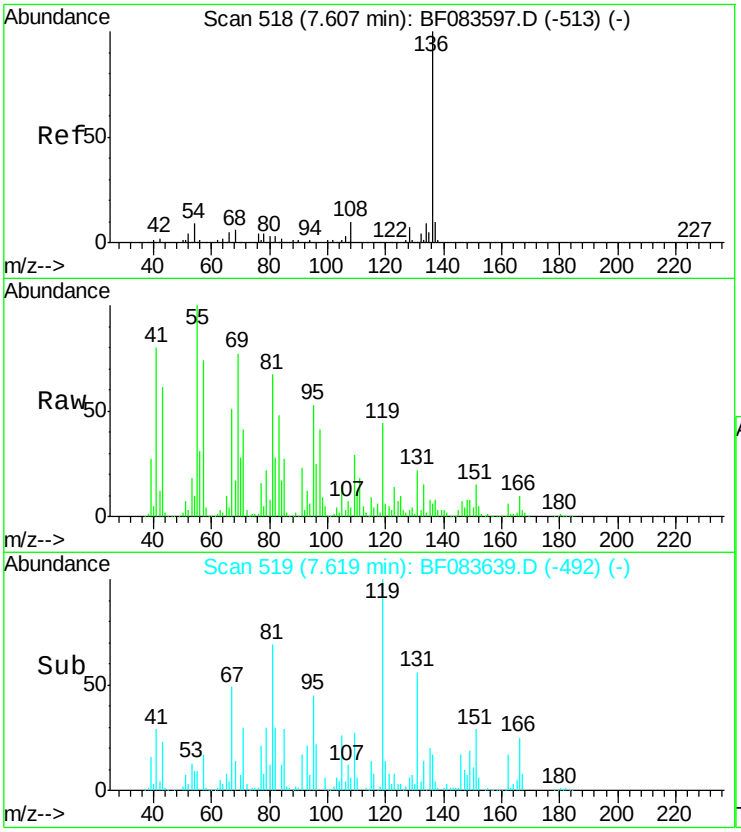


#19
n-Nitroso-di-n-propylamine
Concen: 8.74 ng
RT: 6.30 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 70 Resp: 47487

Ion	Ratio	Lower	Upper
70	100		
42	44.8	49.2	73.8#
101	0.0	7.1	10.7#
130	0.0	15.4	23.0#

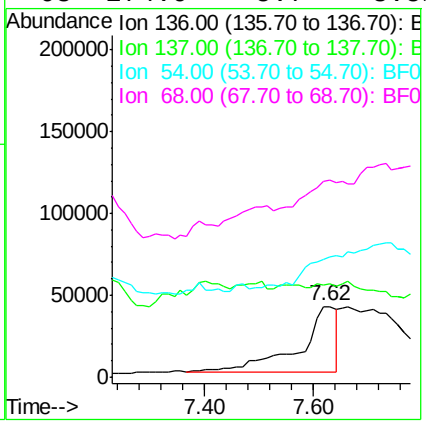




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.62 min Scan# 519
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:136 Resp: 192328

Ion	Ratio	Lower	Upper
136	100		
137	129.0	8.7	13.1#
54	166.6	7.8	11.6#
68	274.9	5.7	8.5#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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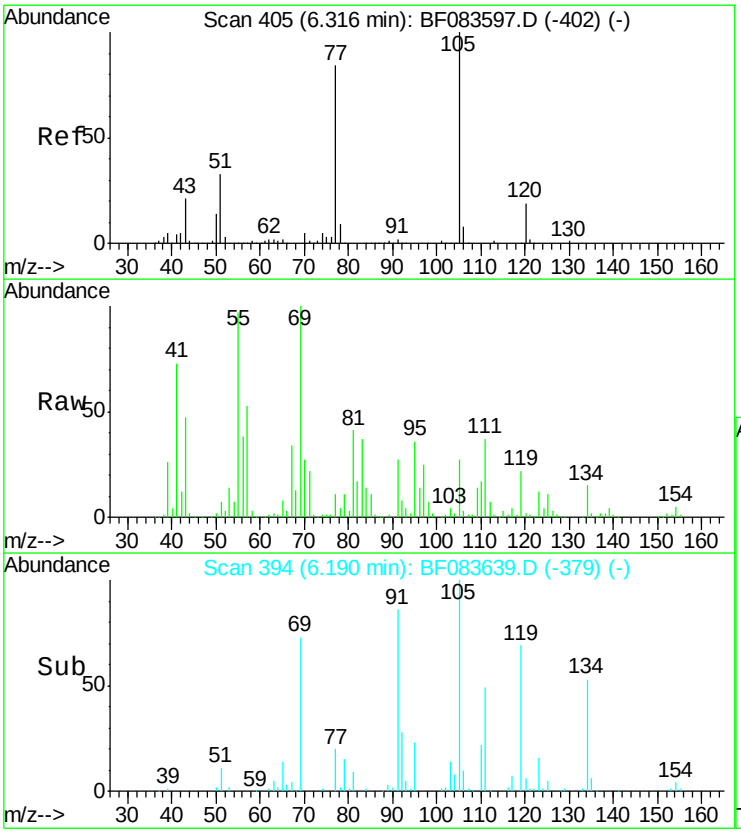
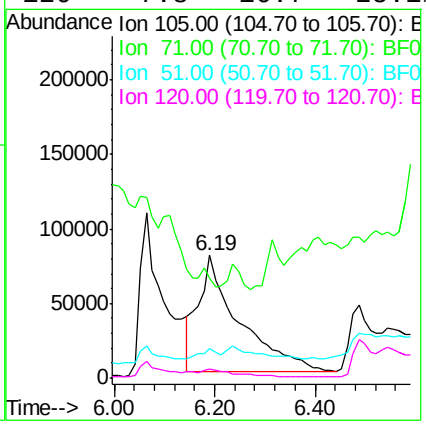
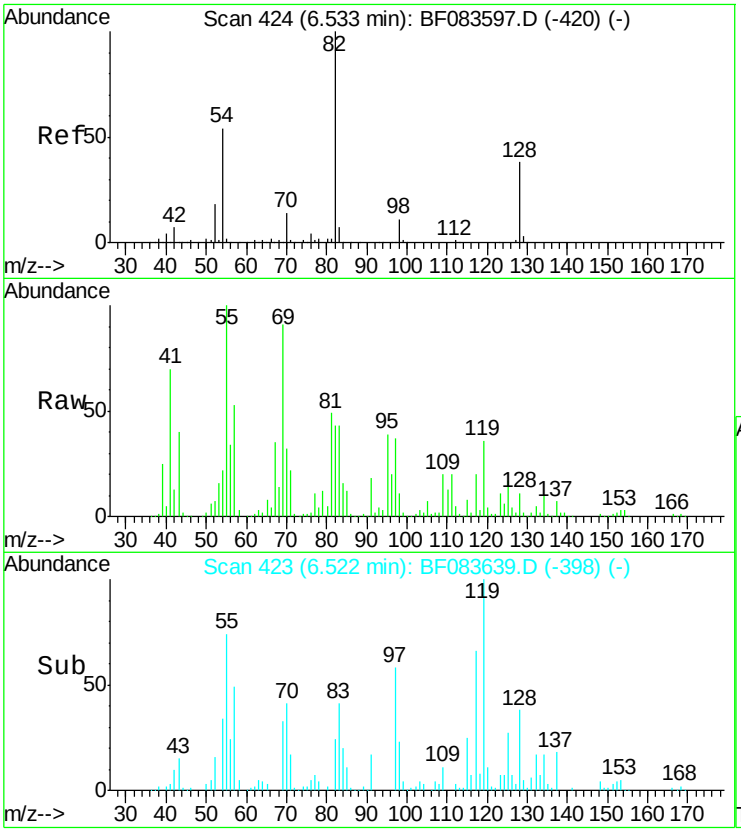


#22
Acetophenone
Concen: 82.53 ng
RT: 6.19 min Scan# 394
Delta R.T. -0.13 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:105 Resp: 445213

Ion	Ratio	Lower	Upper
105	100		
71	81.4	1.3	1.9#
51	24.2	23.8	35.8
120	7.8	16.7	25.1#

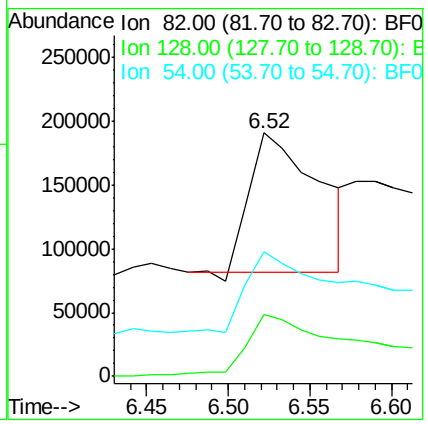




#23
Nitrobenzene-d5
Concen: 77.21 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 82 Resp: 318224

Ion	Ratio	Lower	Upper
82	100		
128	25.5	30.7	46.1#
54	51.0	42.5	63.7



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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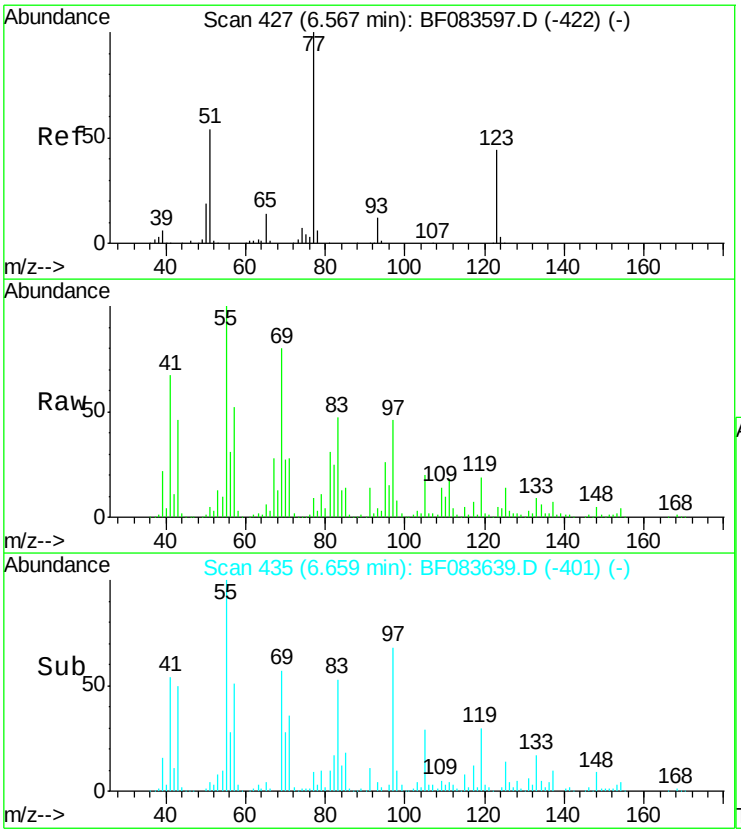
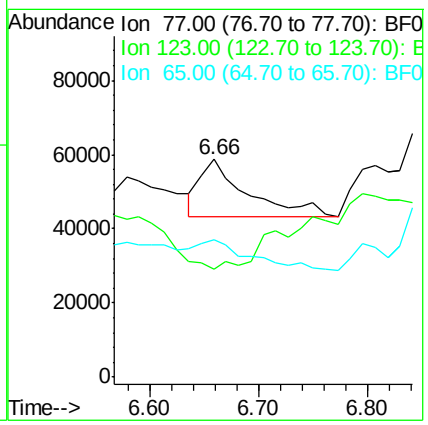
12/10/2015 5:49:58 PM

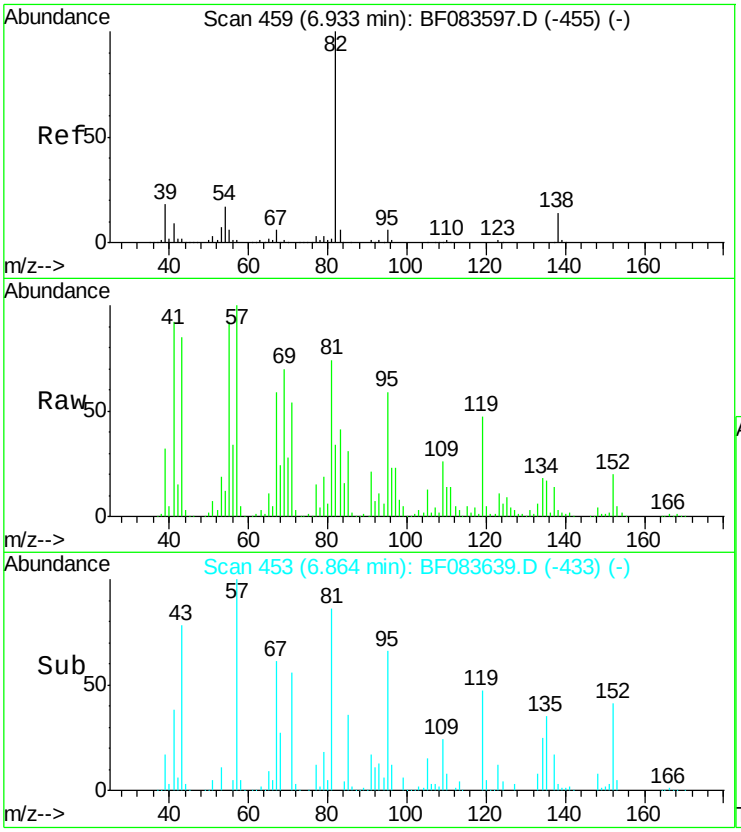


#24
Nitrobenzene
Concen: 9.97 ng
RT: 6.66 min Scan# 435
Delta R.T. 0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 77 Resp: 45419

Ion	Ratio	Lower	Upper
77	100		
123	49.5	29.8	44.6#
65	63.0	11.1	16.7#

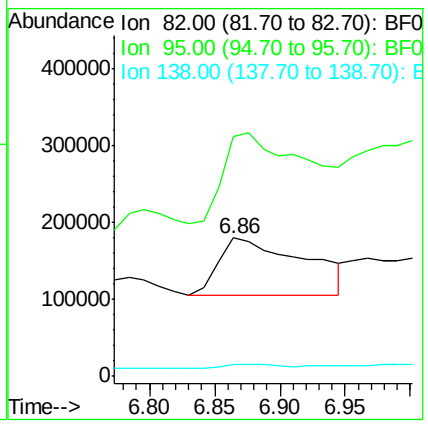




#25
Isophorone
Concen: 42.10 ng
RT: 6.86 min Scan# 453
Delta R.T. -0.07 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 82 Resp: 336750

Ion	Ratio	Lower	Upper
82	100		
95	173.3	5.0	7.4#
138	8.4	12.1	18.1#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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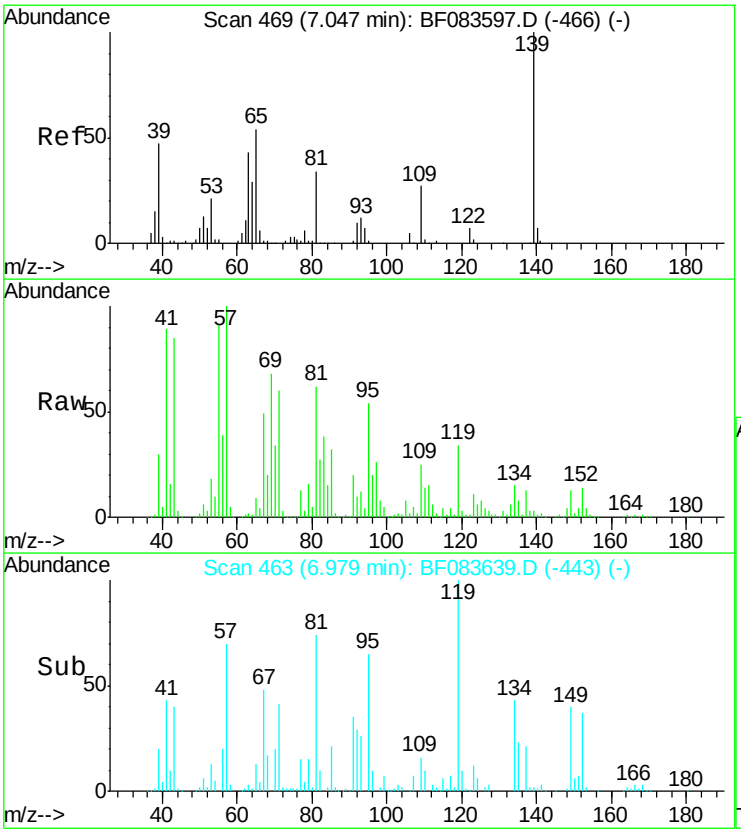
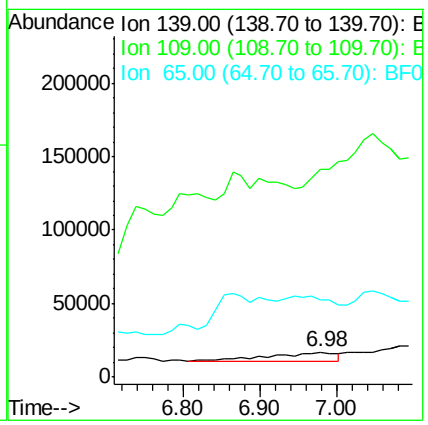
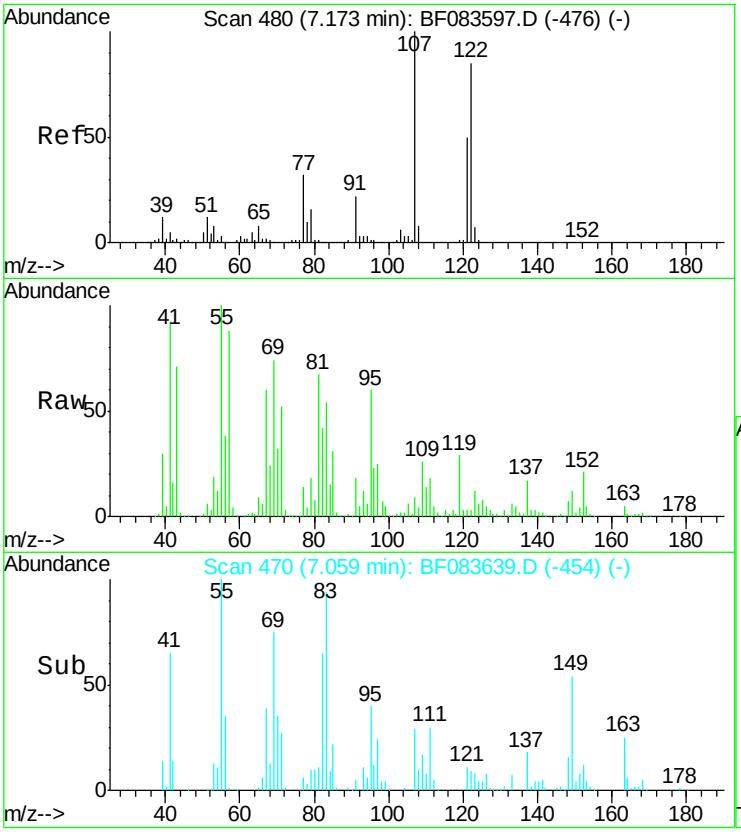


#26
2-Nitrophenol
Concen: 20.71 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.07 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:139 Resp: 37459

Ion	Ratio	Lower	Upper
139	100		
109	832.8	22.7	34.1#
65	309.9	51.8	77.8#





#27
2,4-Dimethylphenol
Concen: 19.06 ng
RT: 7.06 min Scan# 470
Delta R.T. -0.11 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:122 Resp: 60326

Ion	Ratio	Lower	Upper
122	100		
107	346.9	92.4	138.6#
121	118.1	45.8	68.6#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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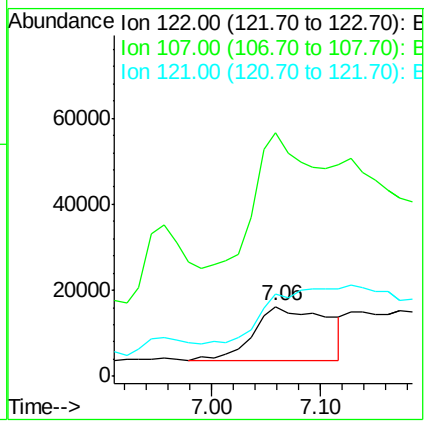
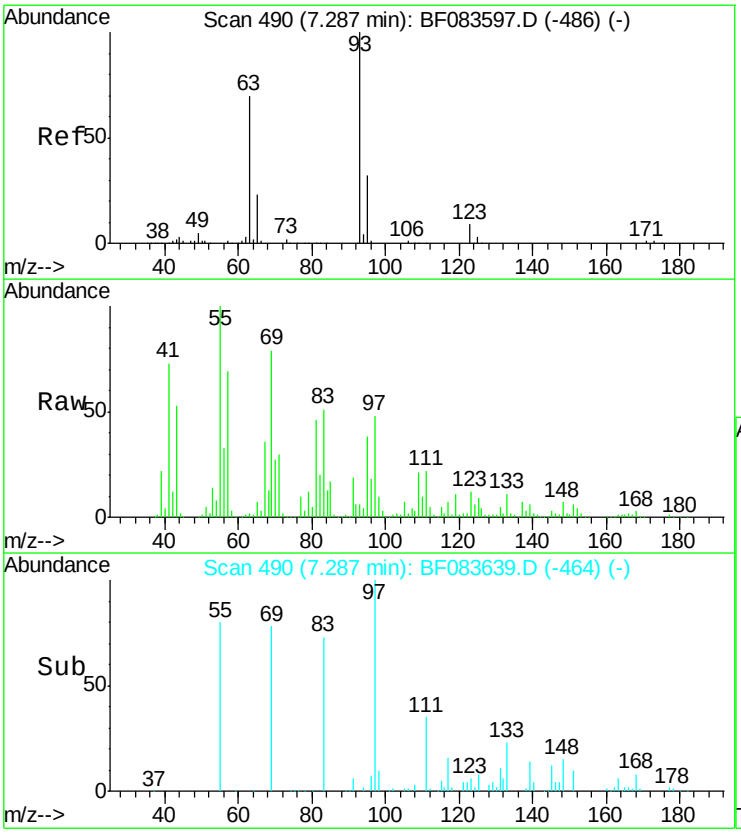
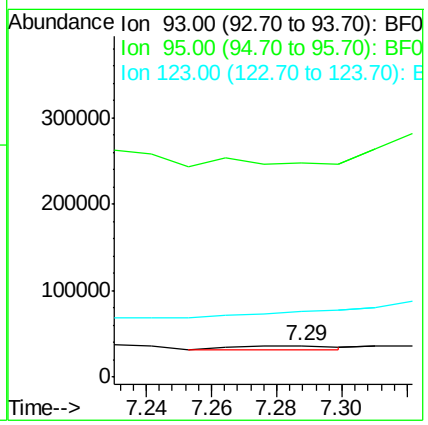


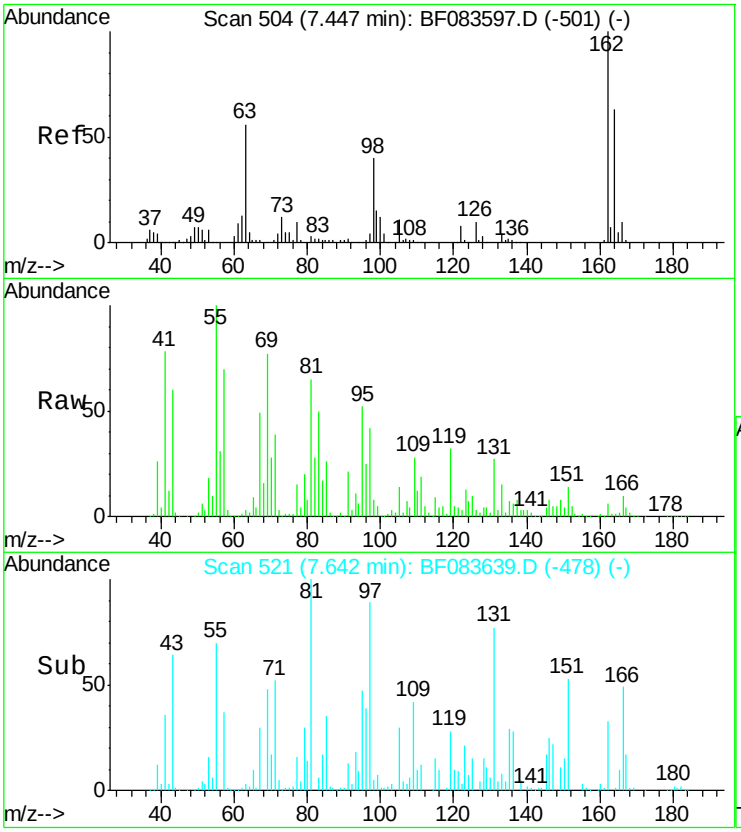


#28
bis(2-Chloroethoxy)methane
Concen: 2.35 ng
RT: 7.29 min Scan# 490
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 93 Resp: 10451

Ion	Ratio	Lower	Upper
93	100		
95	679.7	25.6	38.4#
123	207.3	7.3	10.9#

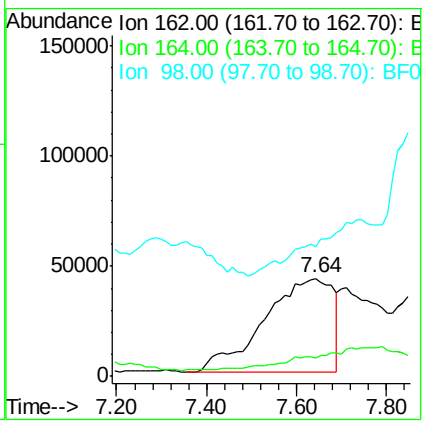




#29
2,4-Dichlorophenol
Concen: 159.09 ng
RT: 7.64 min Scan# 521
Delta R.T. 0.19 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:162 Resp: 457816

Ion	Ratio	Lower	Upper
162	100		
164	18.1	43.4	83.4#
98	131.6	17.5	57.5#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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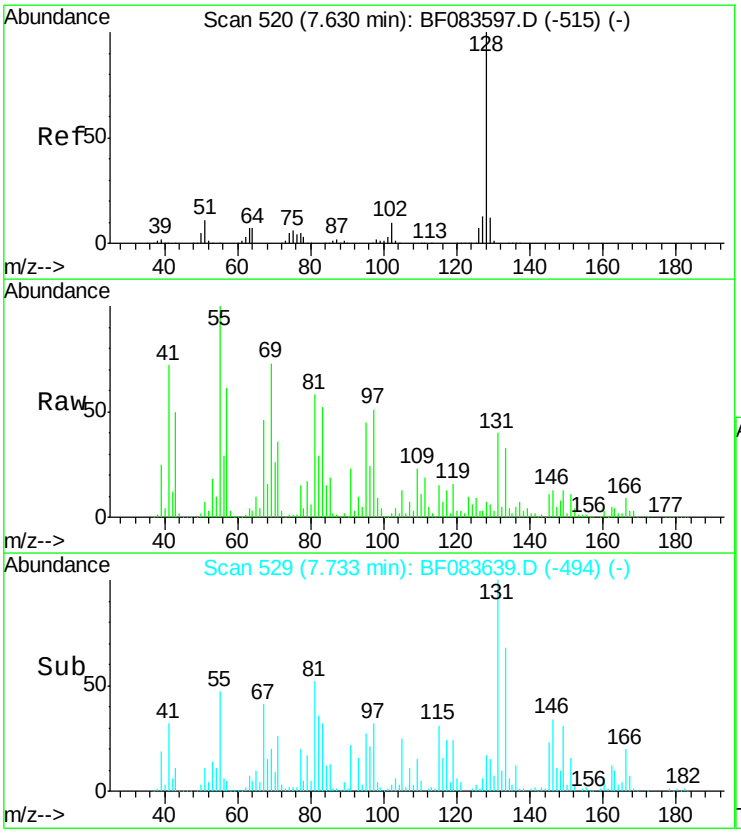
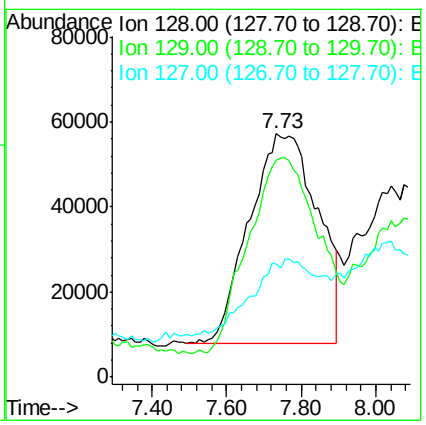
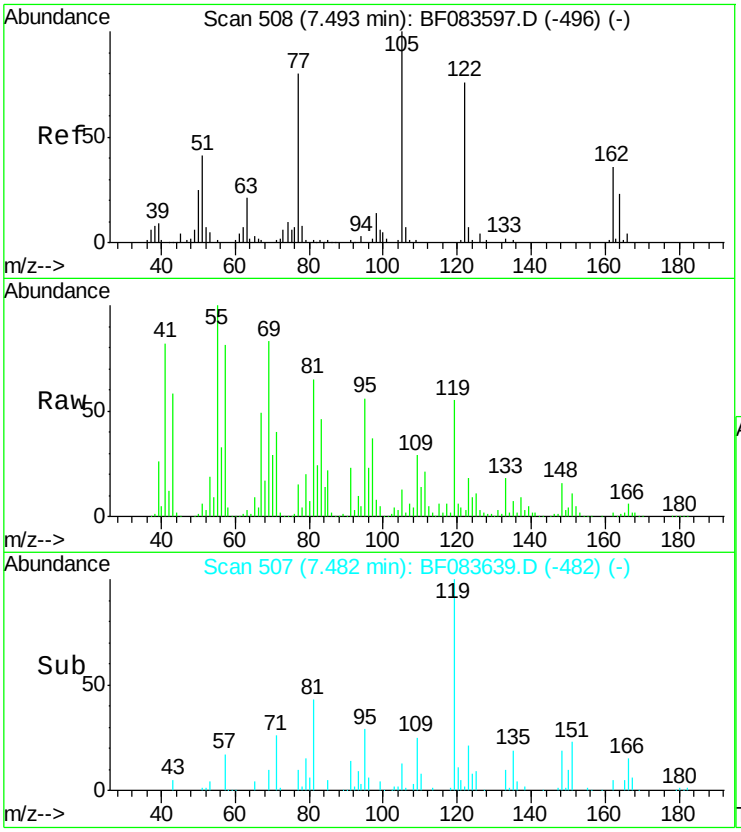


#31
Naphthalene
Concen: 62.01 ng
RT: 7.73 min Scan# 529
Delta R.T. 0.10 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:128 Resp: 631631

Ion	Ratio	Lower	Upper
128	100		
129	88.9	8.6	13.0#
127	46.5	10.6	16.0#

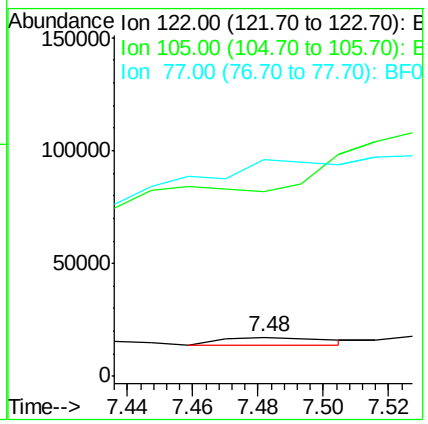




#32
Benzoic acid
Concen: 6.65 ng
RT: 7.48 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:122 Resp: 7830

Ion	Ratio	Lower	Upper
122	100		
105	474.6	105.6	145.6#
77	555.6	86.8	126.8#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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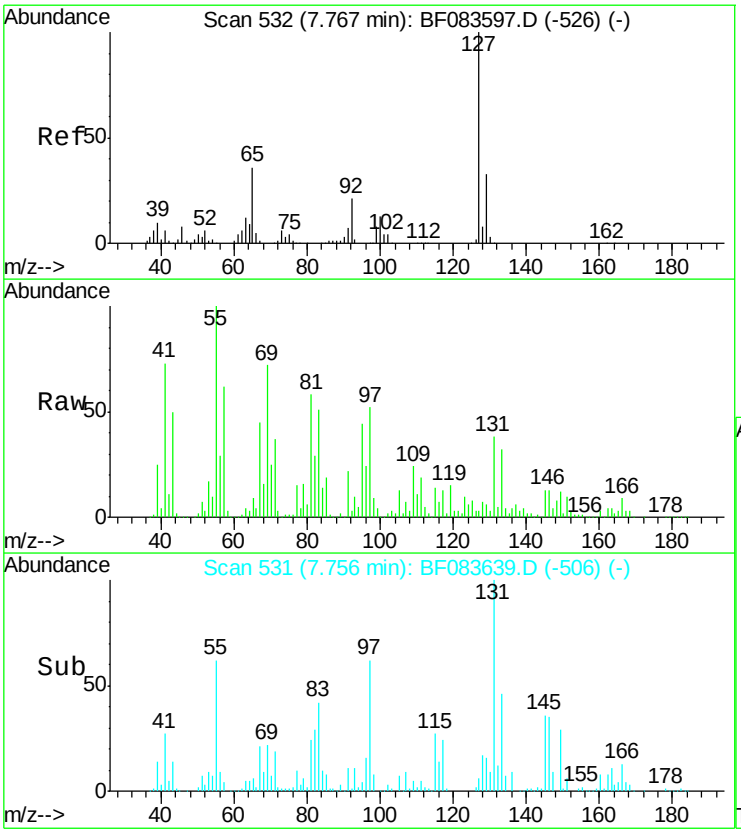
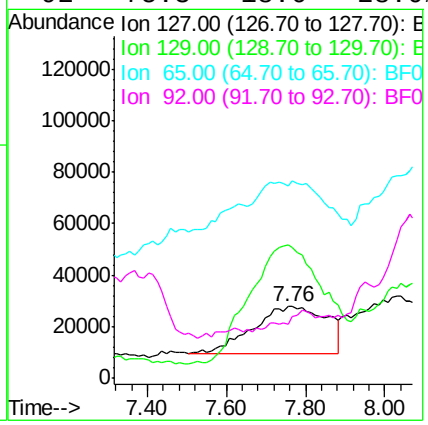
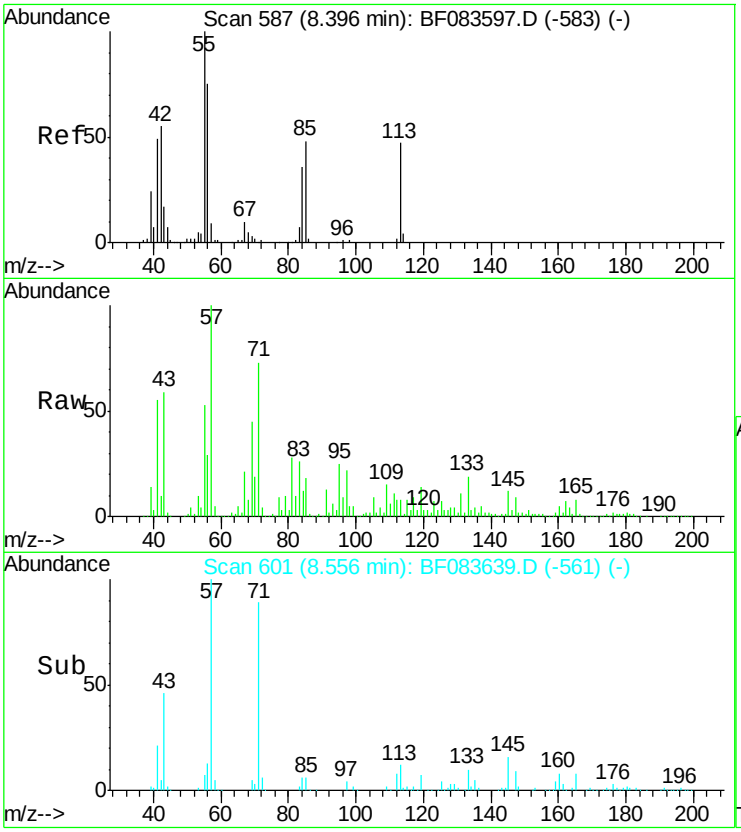


#33
4-Chloroaniline
Concen: 62.70 ng
RT: 7.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:127 Resp: 232878

Ion	Ratio	Lower	Upper
127	100		
129	186.0	26.1	39.1#
65	269.2	33.5	50.3#
92	75.3	18.6	28.0#





#35
Caprolactam
Concen: 1233.25 ng
RT: 8.56 min Scan# 601
Delta R.T. 0.16 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:113 Resp: 1065193

Ion	Ratio	Lower	Upper
113	100		
55	654.0	189.7	229.7#
56	351.0	130.7	170.7#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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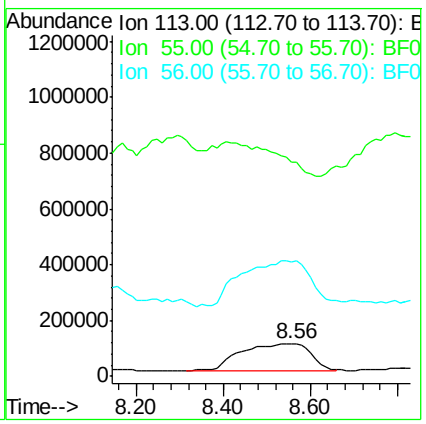
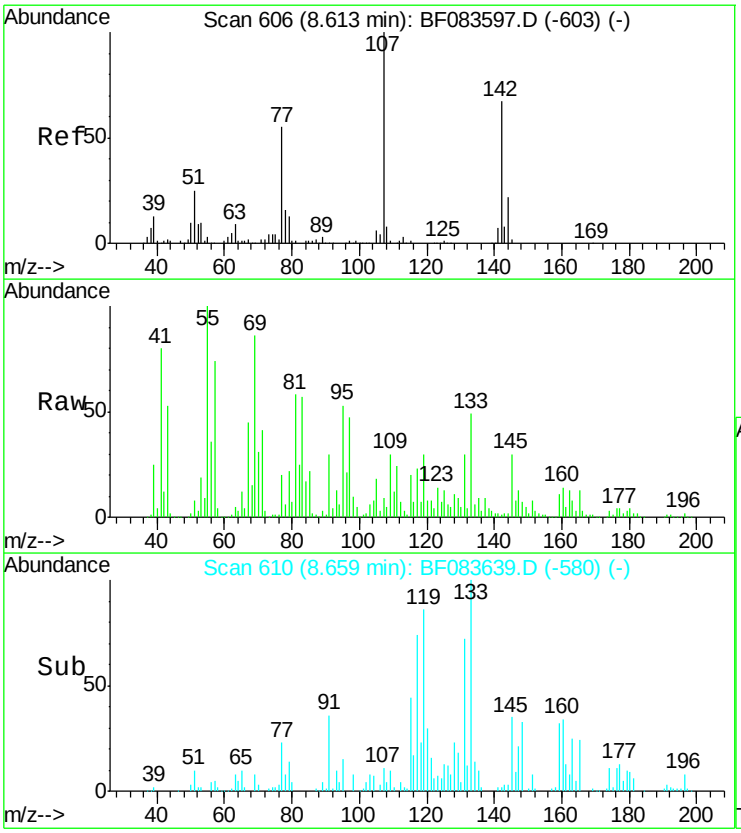
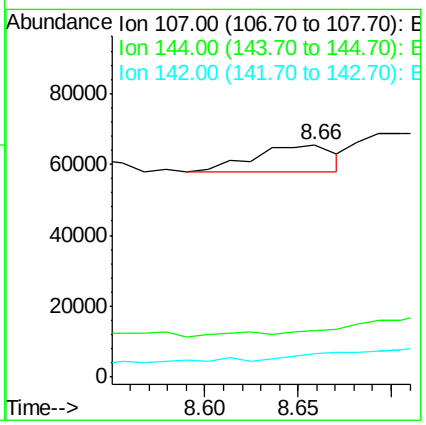


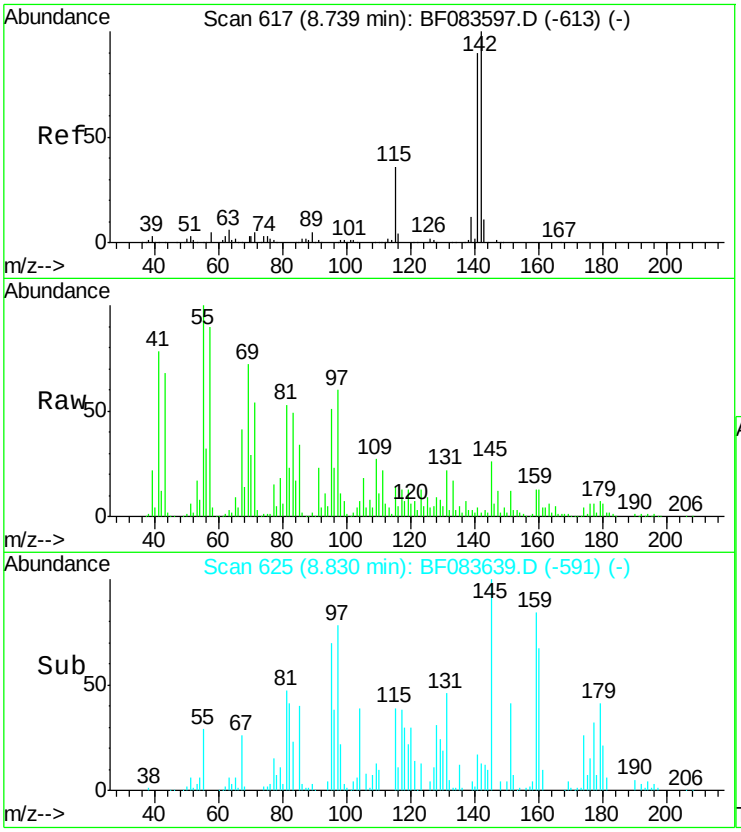


#36
4-Chloro-3-methylphenol
Concen: 7.16 ng
RT: 8.66 min Scan# 610
Delta R.T. 0.05 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:107 Resp: 23133

Ion	Ratio	Lower	Upper
107	100		
144	19.9	17.5	26.3
142	9.9	53.6	80.4#

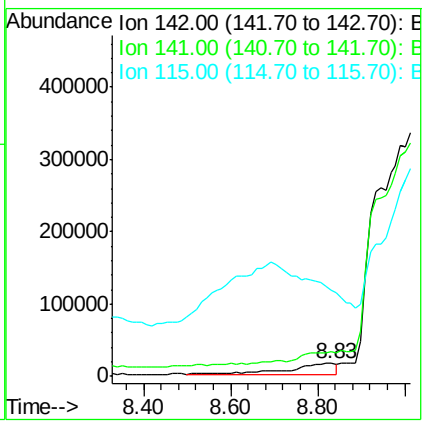




#37
2-Methylnaphthalene
Concen: 17.63 ng
RT: 8.83 min Scan# 625
Delta R.T. 0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:142 Resp: 112794

Ion	Ratio	Lower	Upper
142	100		
141	186.8	70.3	105.5#
115	663.1	29.2	43.8#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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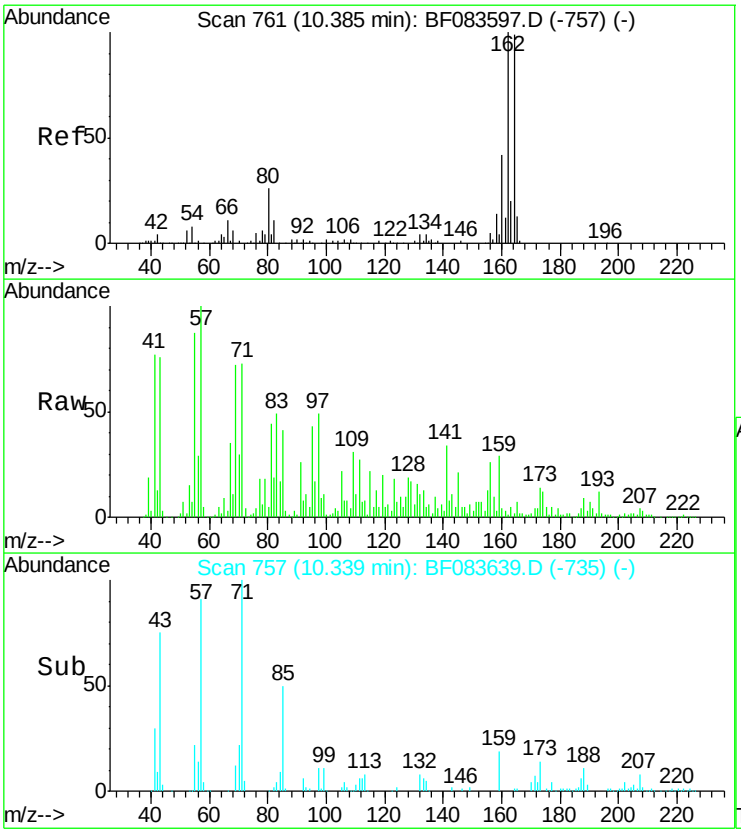
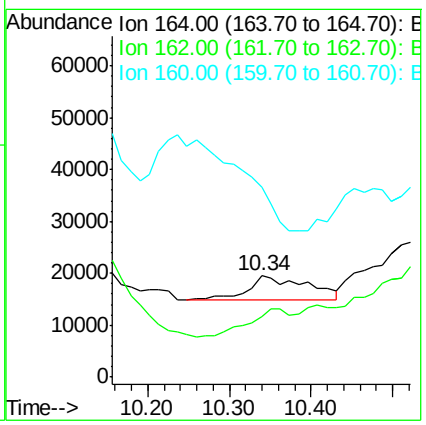
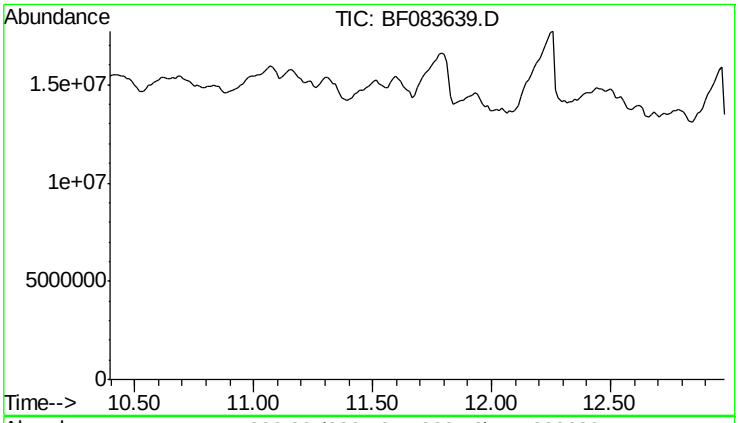


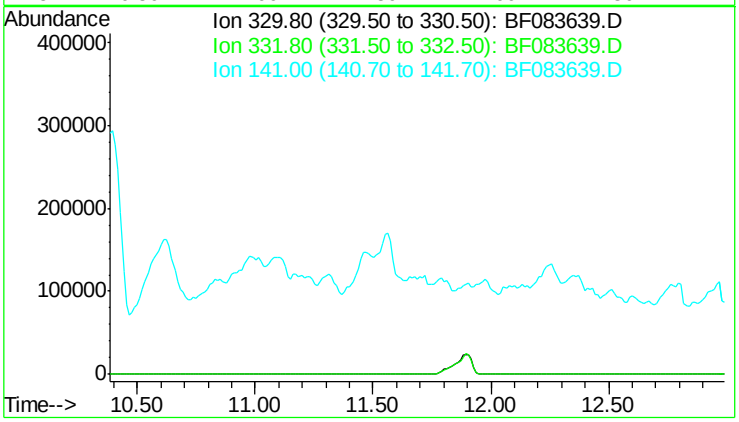
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.34 min Scan# 757
Delta R.T. -0.05 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:164 Resp: 22047

Ion	Ratio	Lower	Upper
164	100		
162	60.1	78.8	118.2#
160	187.9	33.4	50.2#







#41
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 11.69 min

Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 330

Sig	Exp	Ratio
330		100
332		0.0
141		0.0

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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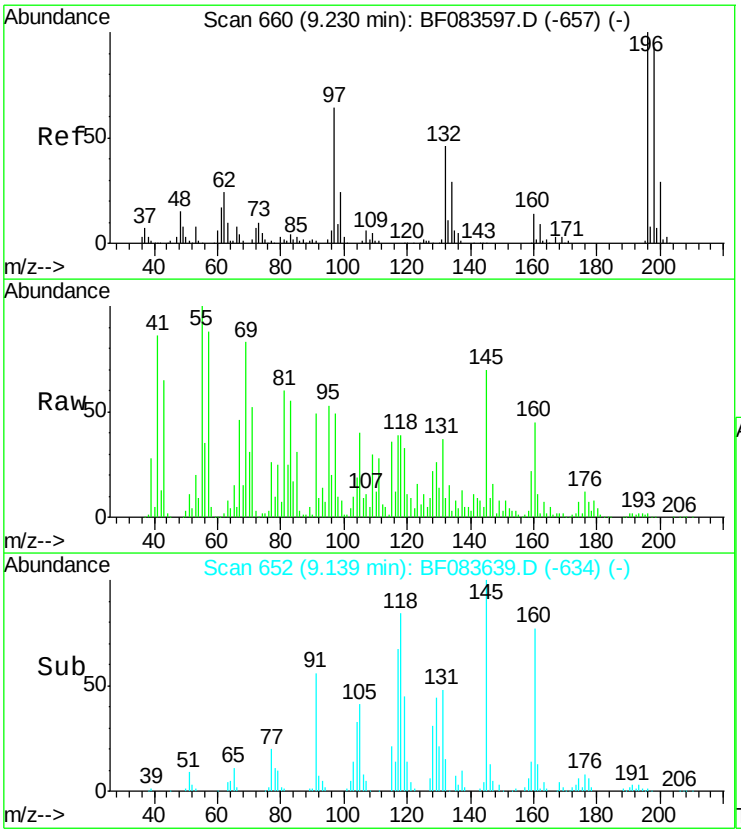
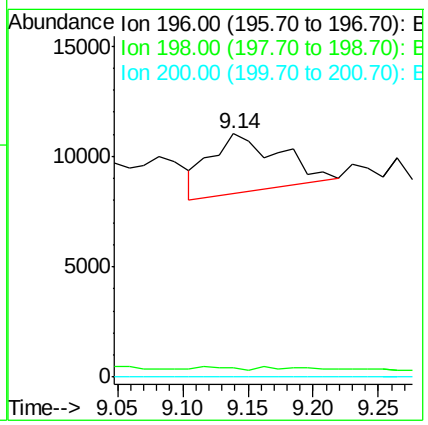
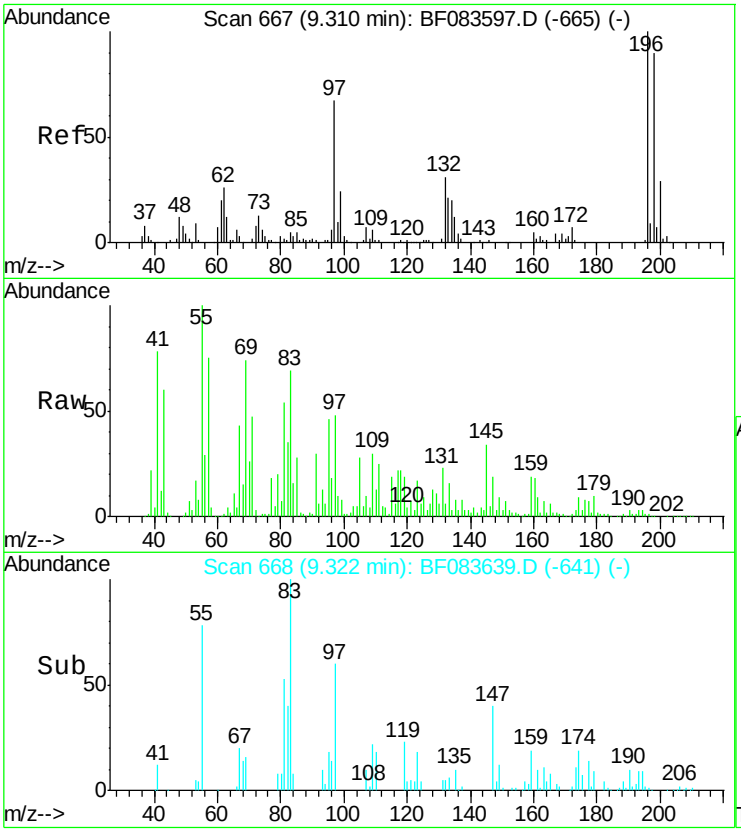


#42
2,4,6-Trichlorophenol
Concen: 22.42 ng
RT: 9.14 min Scan# 652
Delta R.T. -0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:196 Resp: 9854

Ion	Ratio	Lower	Upper
196	100		
198	3.8	75.2	112.8#
200	0.0	23.0	34.6#

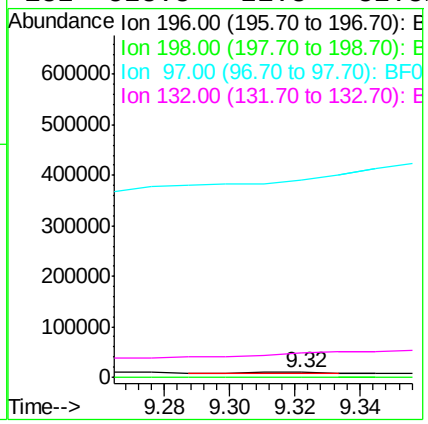




#43
2,4,5-Trichlorophenol
Concen: 4.53 ng
RT: 9.32 min Scan# 668
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:196 Resp: 1931

Ion	Ratio	Lower	Upper
196	100		
198	4.2	77.7	116.5#
97	4217.0	41.2	61.8#
132	528.8	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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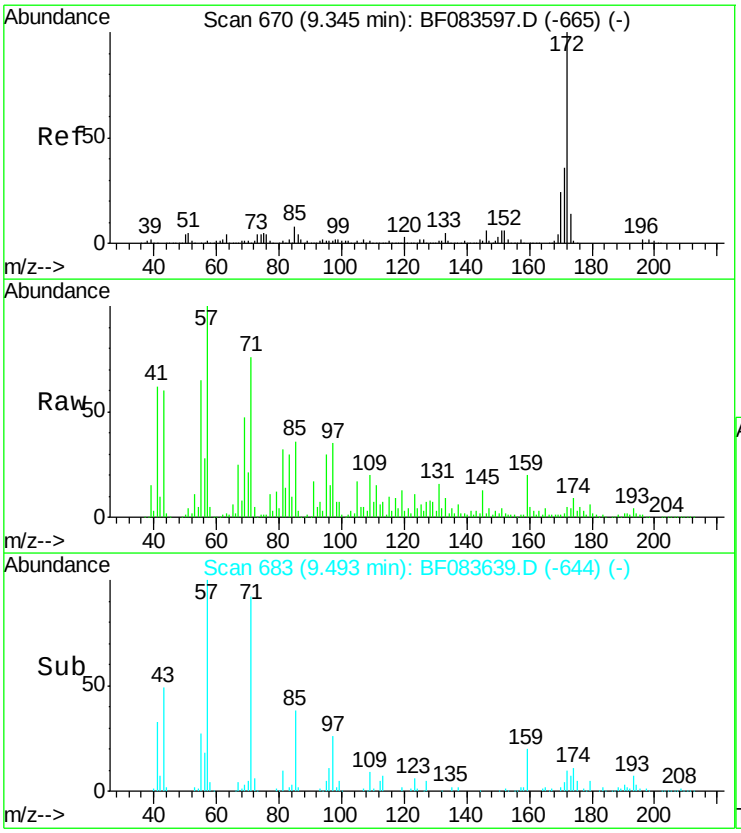
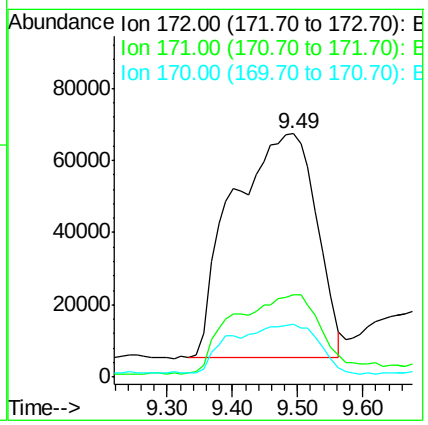
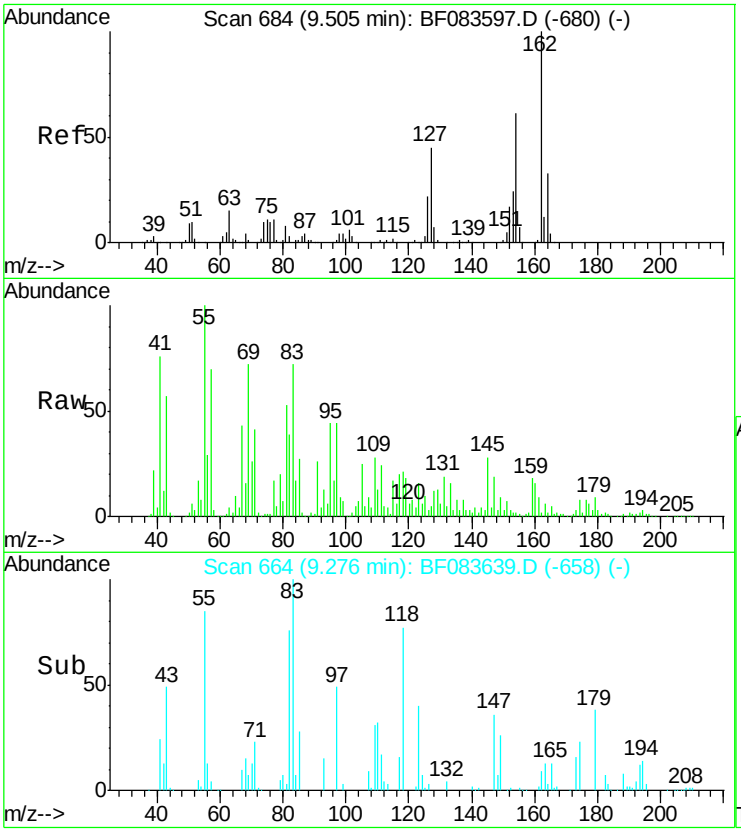


#44
2-Fluorobiphenyl
Concen: 353.28 ng
RT: 9.49 min Scan# 683
Delta R.T. 0.15 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:172 Resp: 553412

Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.6	42.8
170	21.5	19.4	29.0

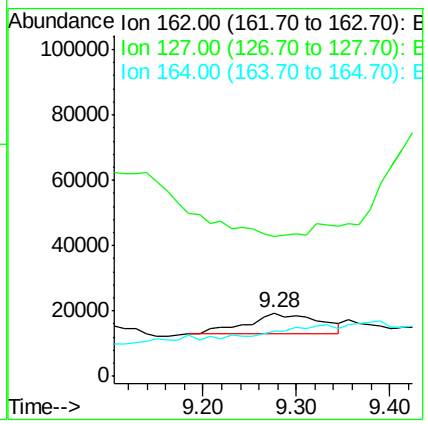




#46
2-Chloronaphthalene
Concen: 23.62 ng
RT: 9.28 min Scan# 664
Delta R.T. -0.23 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:162 Resp: 34179

Ion	Ratio	Lower	Upper
162	100		
127	219.1	31.0	46.4#
164	70.7	27.4	41.0#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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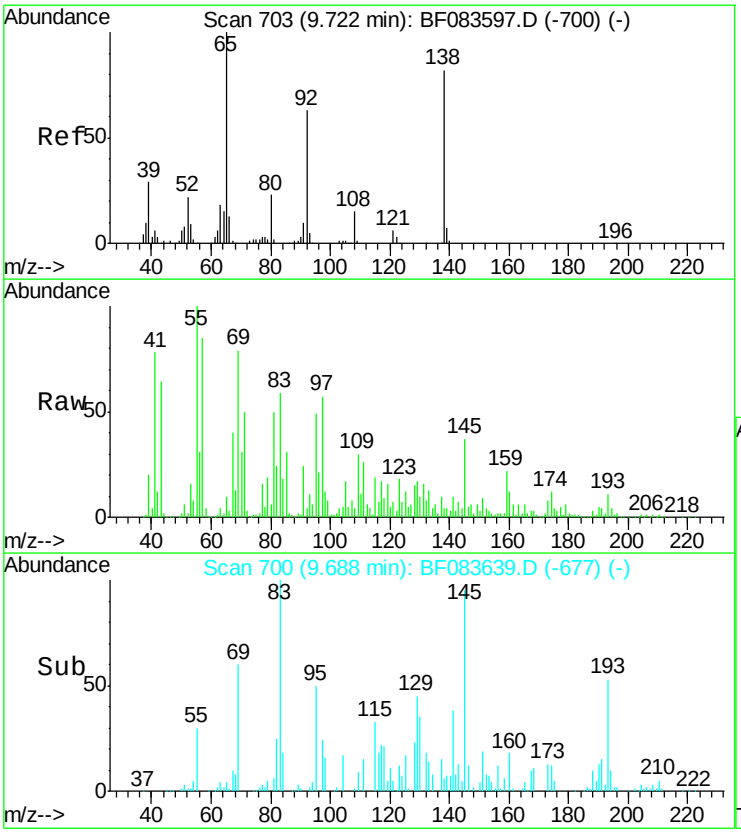
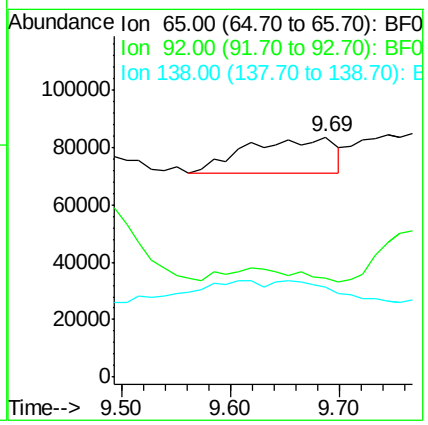
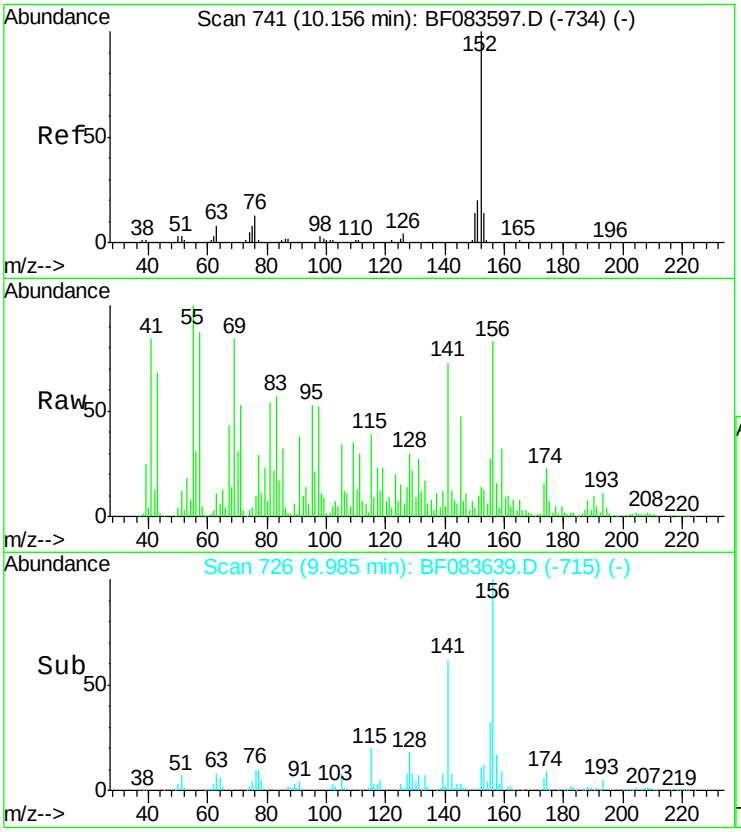


#47
2-Nitroaniline
Concen: 132.52 ng
RT: 9.69 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 65 Resp: 69146

Ion	Ratio	Lower	Upper
65	100		
92	41.0	49.6	74.4#
138	37.4	64.1	96.1#

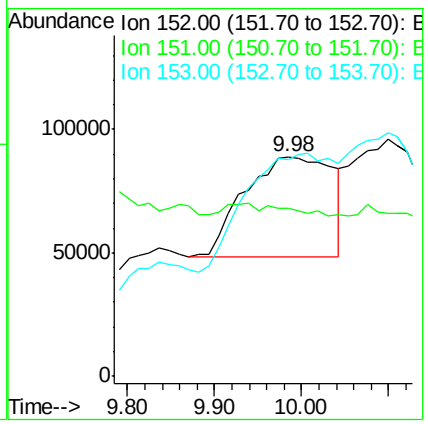




#48
Acenaphthylene
Concen: 120.98 ng
RT: 9.98 min Scan# 726
Delta R.T. -0.17 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:152 Resp: 288606

Ion	Ratio	Lower	Upper
152	100		
151	76.2	16.3	24.5#
153	98.4	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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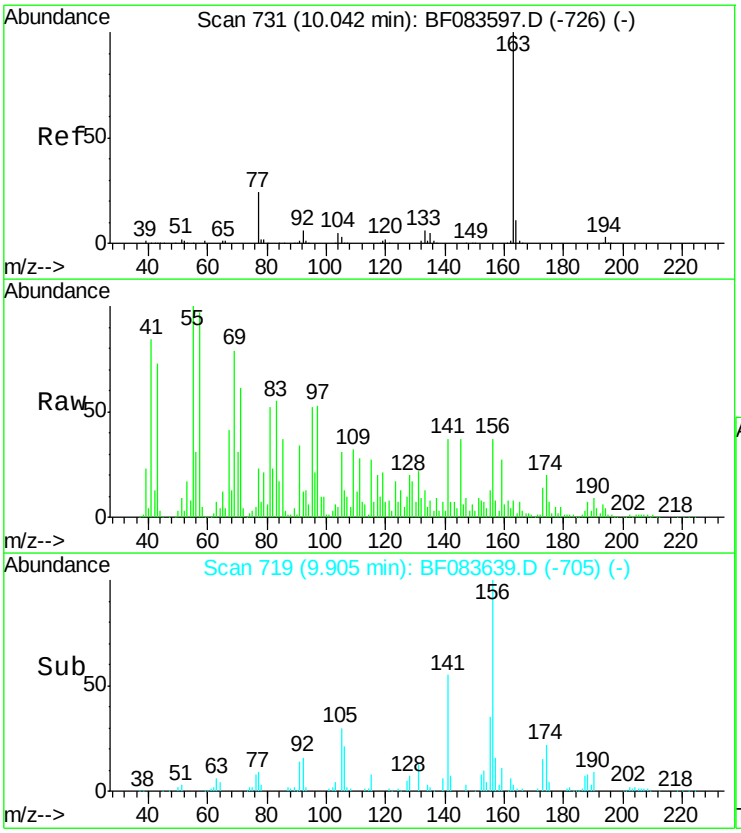
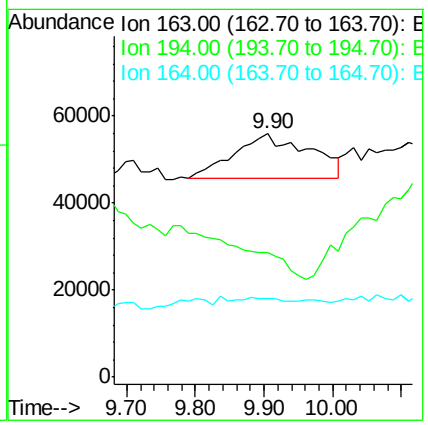
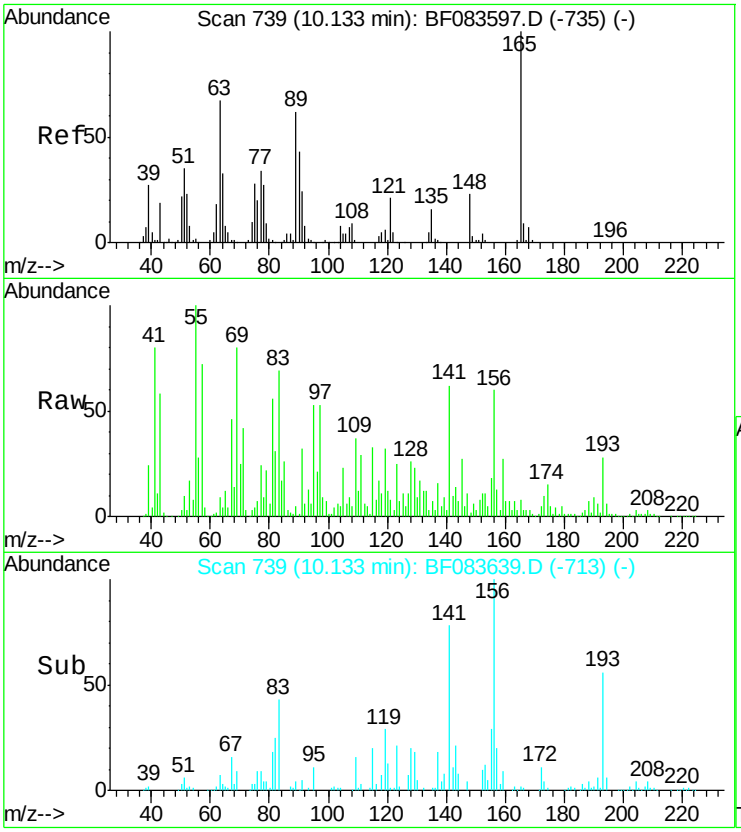


#49
Dimethylphthalate
Concen: 43.81 ng
RT: 9.90 min Scan# 719
Delta R.T. -0.14 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:163 Resp: 76885

Ion	Ratio	Lower	Upper
163	100		
194	51.3	2.8	4.2#
164	32.0	8.6	13.0#

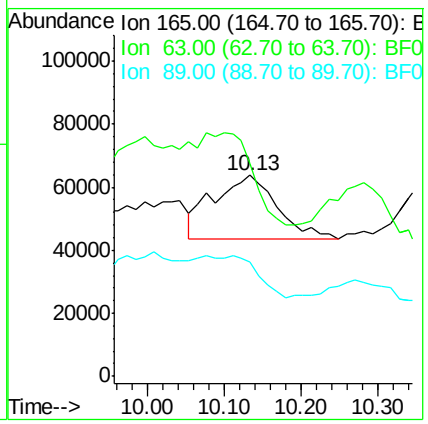




#50
2,6-Dinitrotoluene
Concen: 313.78 ng
RT: 10.13 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:165 Resp: 113693

Ion	Ratio	Lower	Upper
165	100		
63	105.6	56.9	85.3#
89	56.6	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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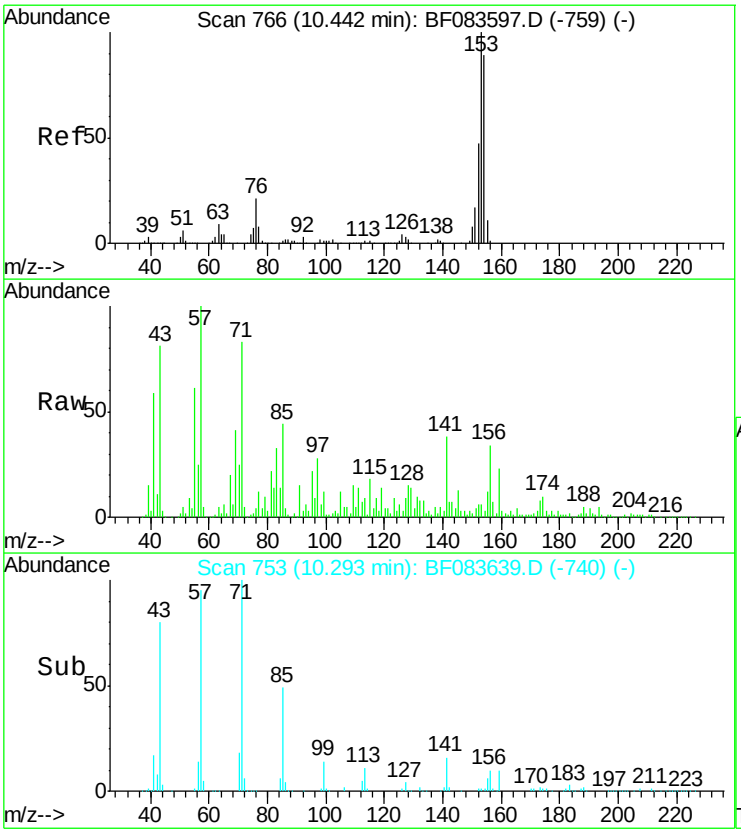
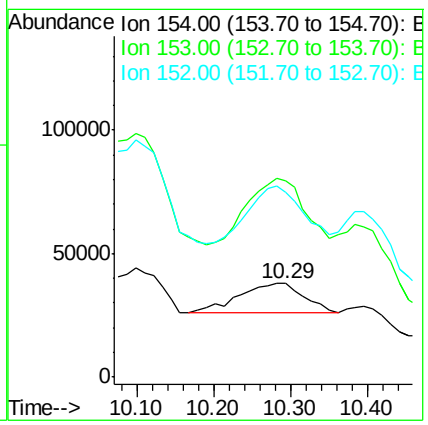
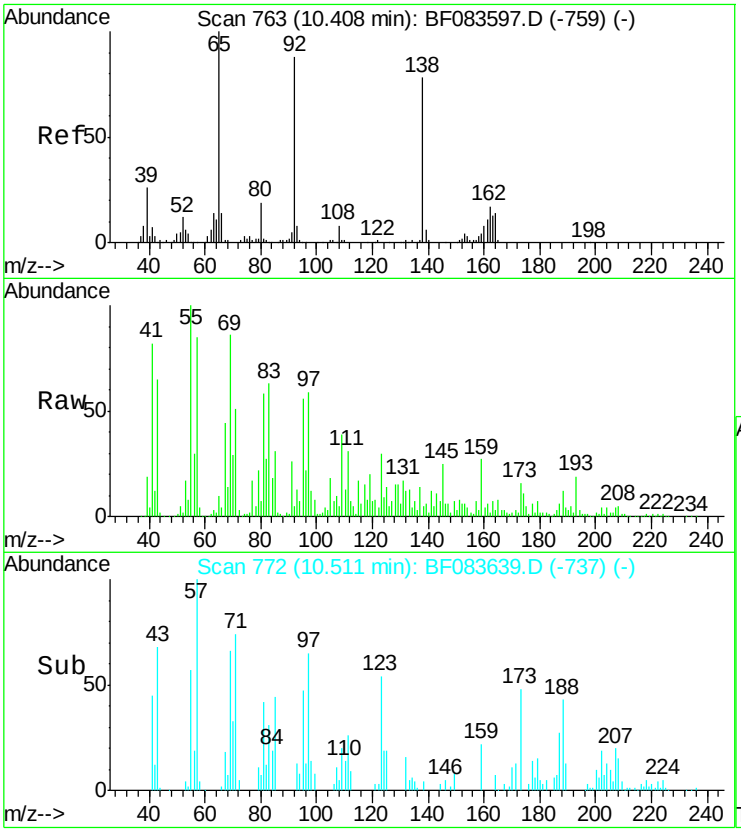


#51
Acenaphthene
Concen: 50.92 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.15 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:154 Resp: 69553

Ion	Ratio	Lower	Upper
154	100		
153	210.2	91.4	137.0#
152	198.0	43.4	65.2#

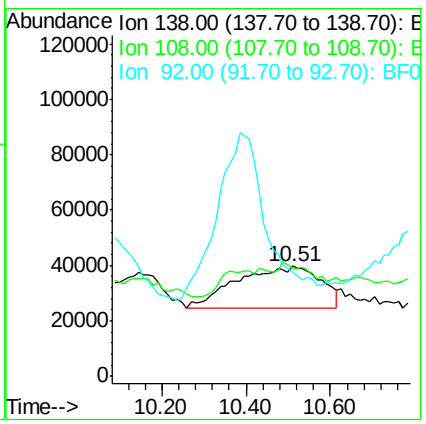




#52
3-Nitroaniline
Concen: 535.41 ng
RT: 10.51 min Scan# 772
Delta R.T. 0.10 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:138 Resp: 206186

Ion	Ratio	Lower	Upper
138	100		
108	98.2	9.9	14.9#
92	95.1	113.8	170.8#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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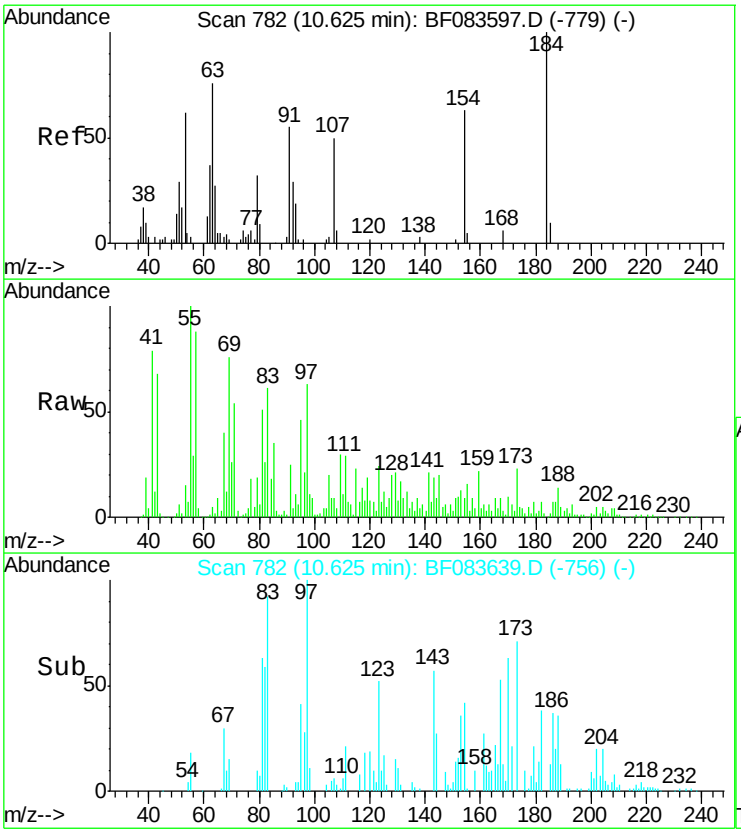
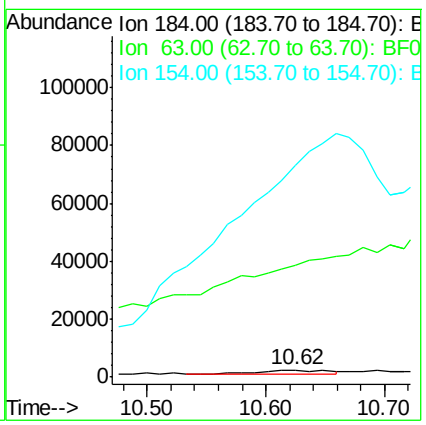
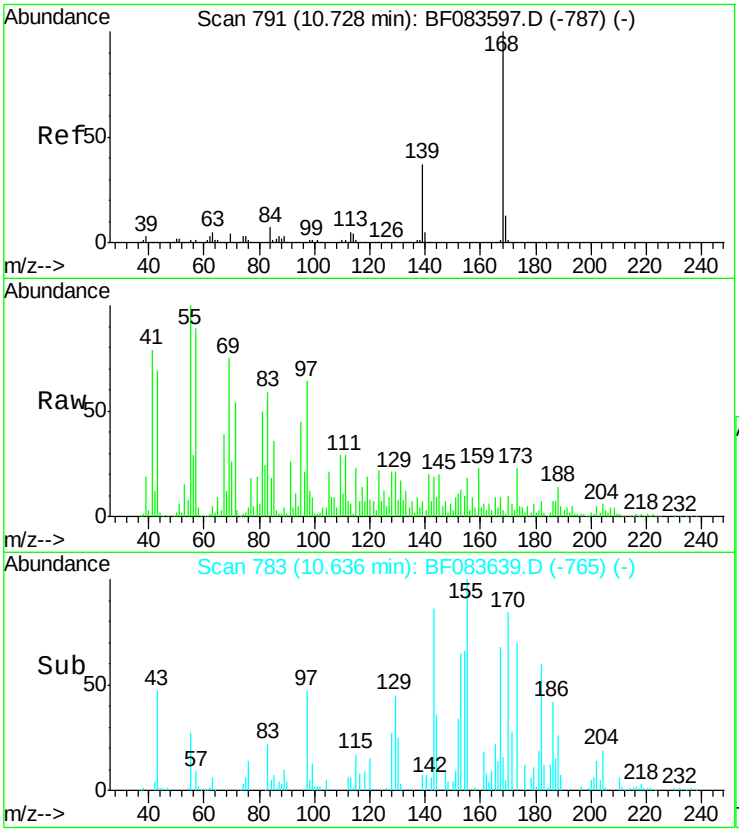


#53
2,4-Dinitrophenol
Concen: 37.20 ng
RT: 10.62 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:184 Resp: 6093

Ion	Ratio	Lower	Upper
184	100		
63	1611.3	62.4	93.6#
154	3050.1	46.6	69.8#

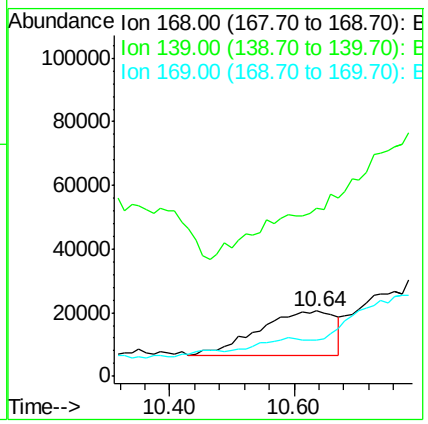




#54
Dibenzofuran
Concen: 64.01 ng
RT: 10.64 min Scan# 783
Delta R.T. -0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:168 Resp: 121243

Ion	Ratio	Lower	Upper
168	100		
139	257.6	28.0	42.0#
169	55.1	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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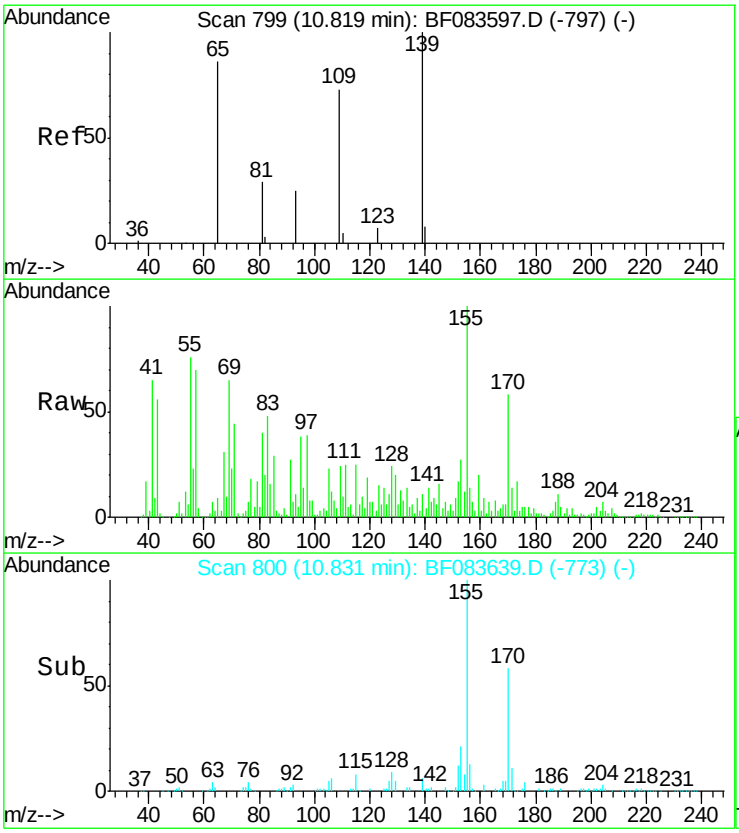
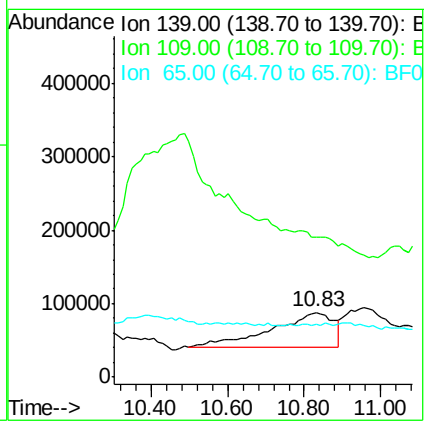
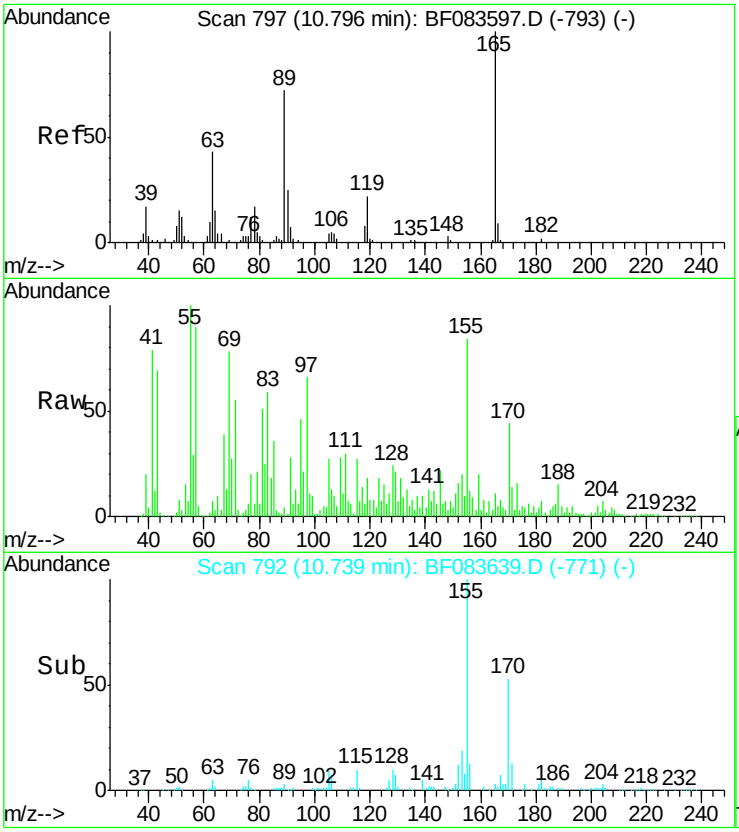


#55
4-Nitrophenol
Concen: 3216.73 ng
RT: 10.83 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:139 Resp: 545386

Ion	Ratio	Lower	Upper
139	100		
109	217.8	42.0	82.0#
65	81.8	89.2	129.2#

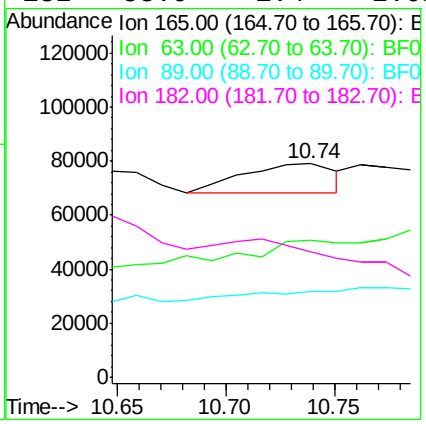




#56
2,4-Dinitrotoluene
Concen: 66.59 ng
RT: 10.74 min Scan# 792
Delta R.T. -0.06 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:165 Resp: 31998

Ion	Ratio	Lower	Upper
165	100		
63	64.0	51.4	77.2
89	39.9	72.6	108.8#
182	58.9	1.4	2.0#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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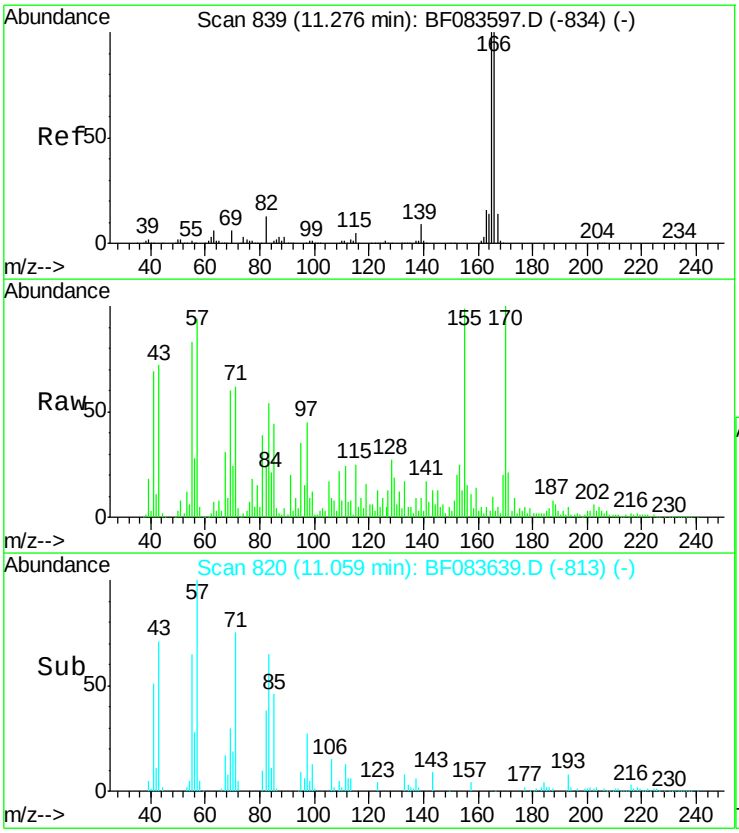
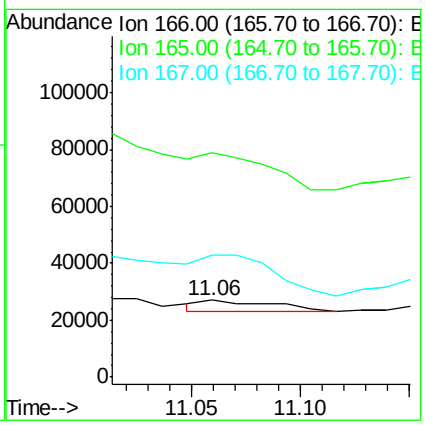
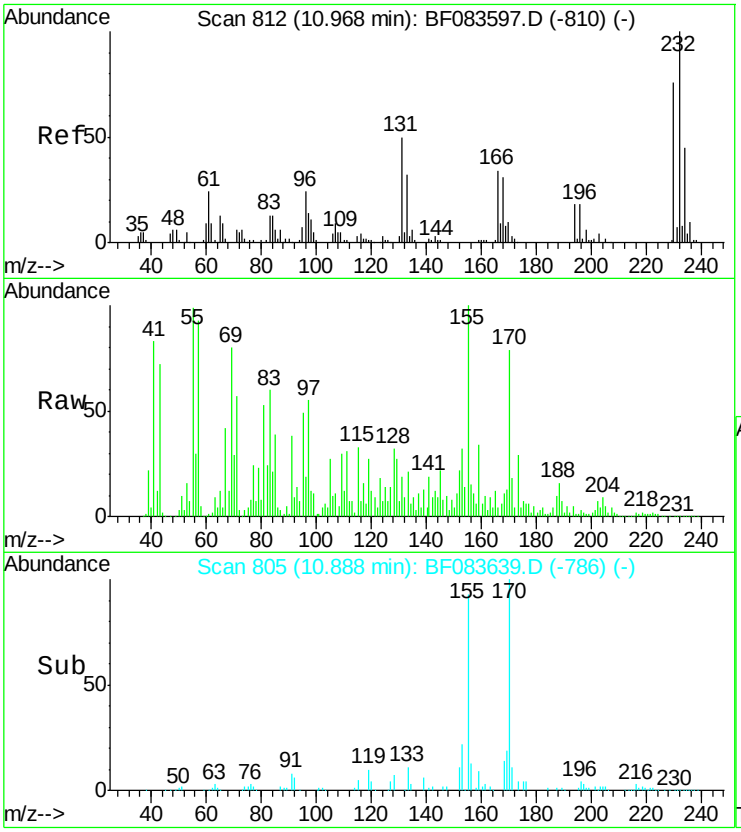


#57
Fluorene
Concen: 5.10 ng
RT: 11.06 min Scan# 820
Delta R.T. -0.22 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:166 Resp: 8422

Ion	Ratio	Lower	Upper
166	100		
165	293.1	80.0	120.0#
167	158.4	10.6	16.0#

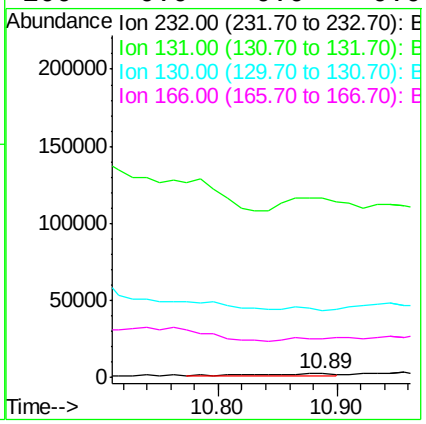




#58
2,3,4,6-Tetrachlorophenol
Concen: 13.01 ng
RT: 10.89 min Scan# 805
Delta R.T. -0.08 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:232 Resp: 4234

Ion	Ratio	Lower	Upper
232	100		
131	0.0	0.0	0.0
130	0.0	0.0	0.0
166	0.0	0.0	0.0



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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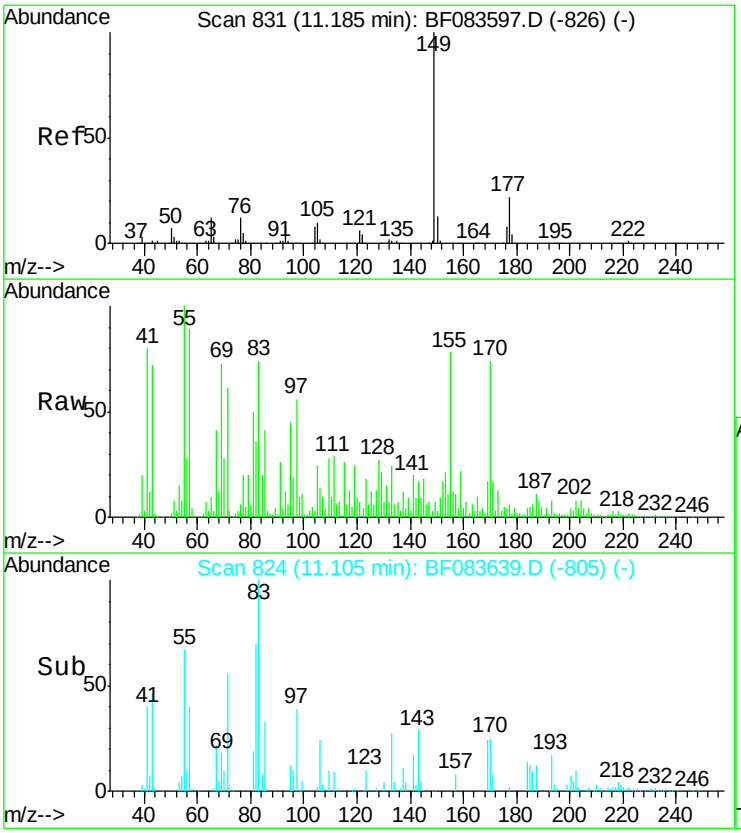
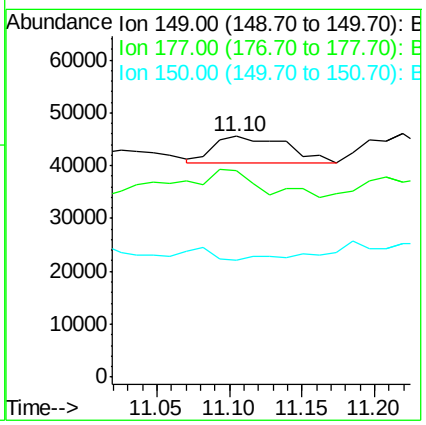
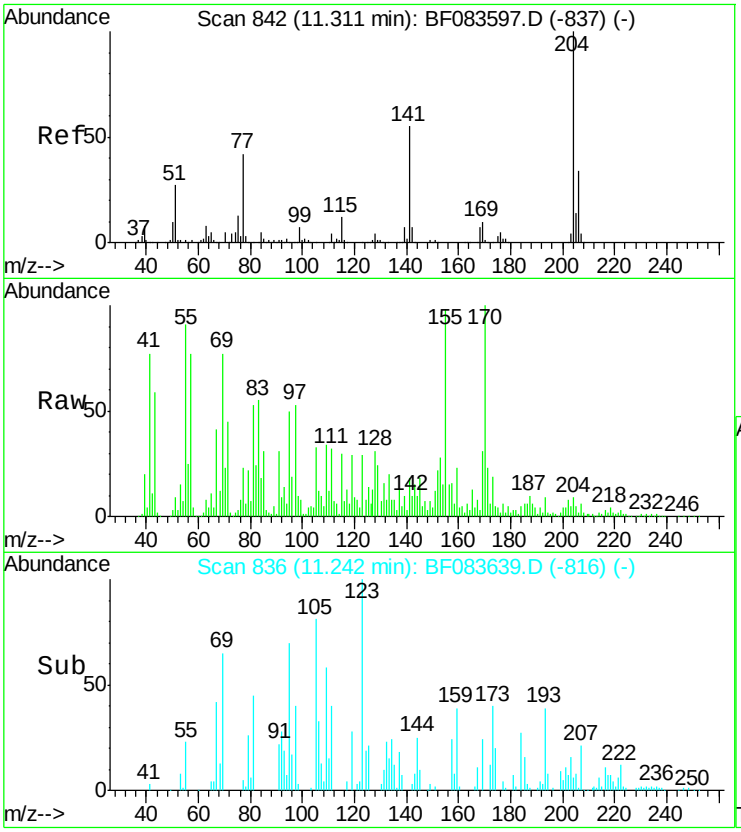


#59
Diethylphthalate
Concen: 10.03 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.08 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:149 Resp: 17112

Ion	Ratio	Lower	Upper
149	100		
177	85.8	16.9	25.3#
150	48.4	10.2	15.4#

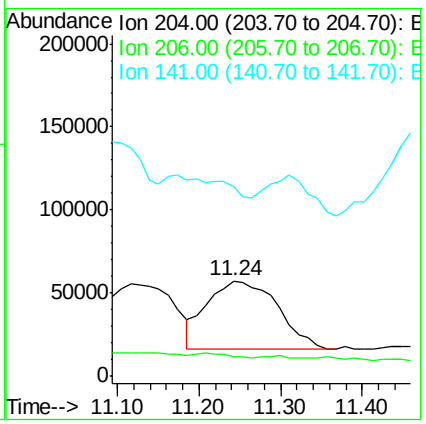




#60
4-Chlorophenyl-phenylether
Concen: 311.68 ng
RT: 11.24 min Scan# 836
Delta R.T. -0.07 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:204 Resp: 245268

Ion	Ratio	Lower	Upper
204	100		
206	20.8	27.3	40.9#
141	198.7	51.9	77.9#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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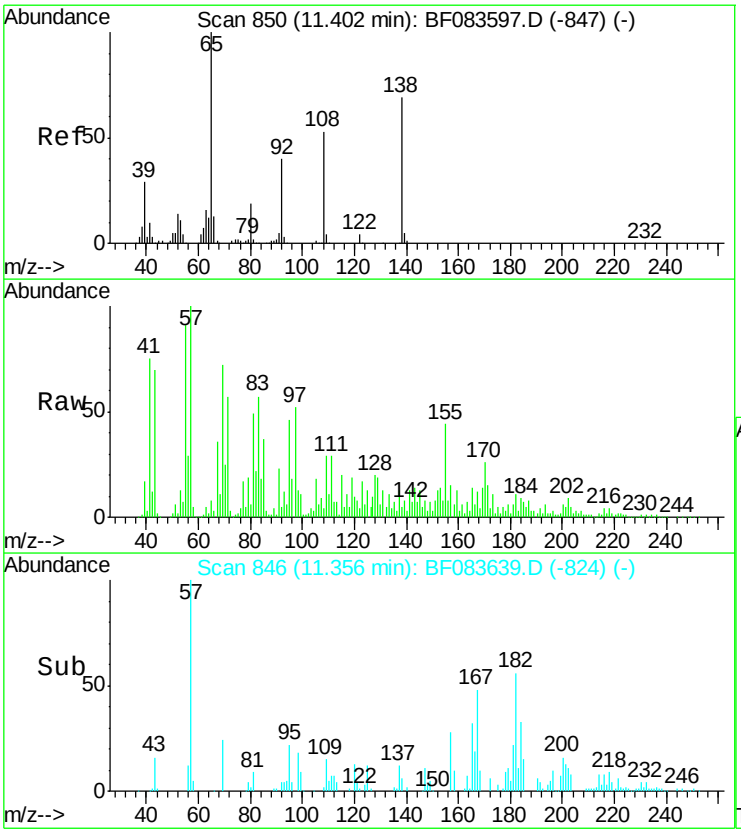
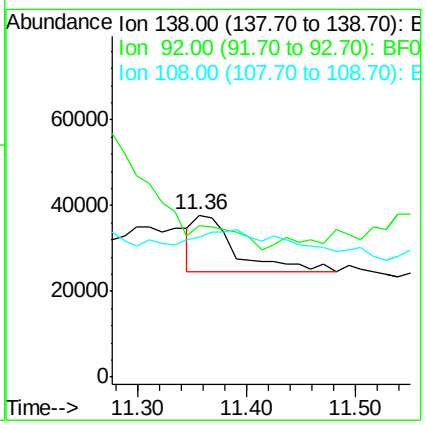
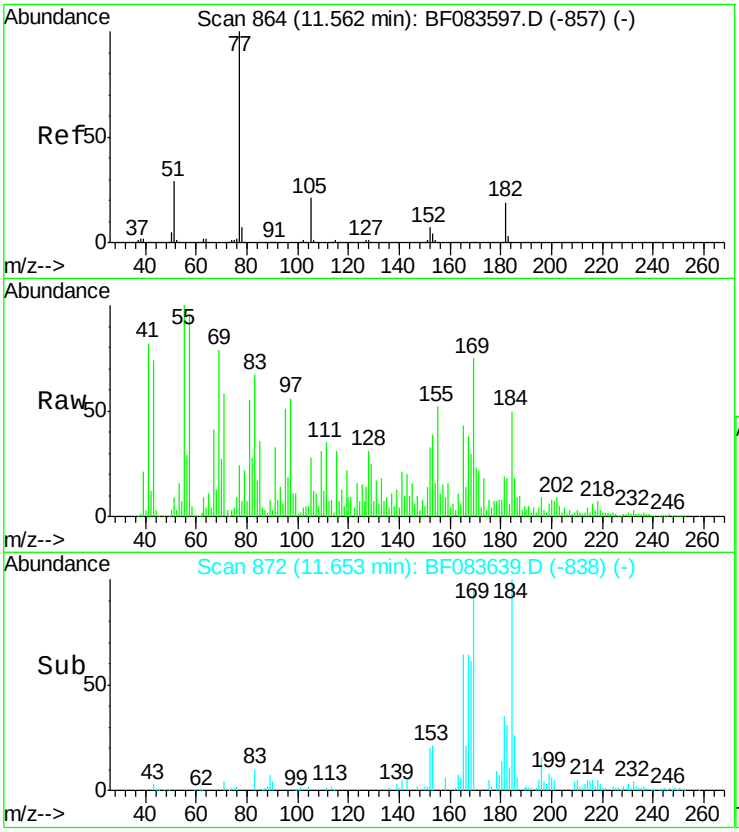


#61
4-Nitroaniline
Concen: 100.51 ng
RT: 11.36 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:138 Resp: 35165

Ion	Ratio	Lower	Upper
138	100		
92	93.3	29.0	69.0#
108	86.4	47.4	87.4

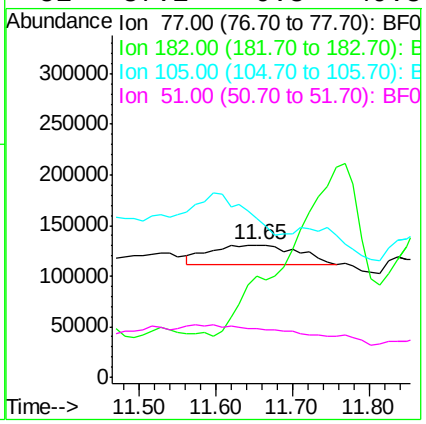




#62
Azobenzene
Concen: 83.86 ng
RT: 11.65 min Scan# 872
Delta R.T. 0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 77 Resp: 157484

Ion	Ratio	Lower	Upper
77	100		
182	76.1	2.5	42.5#
105	120.0	2.1	42.1#
51	37.1	9.3	49.3



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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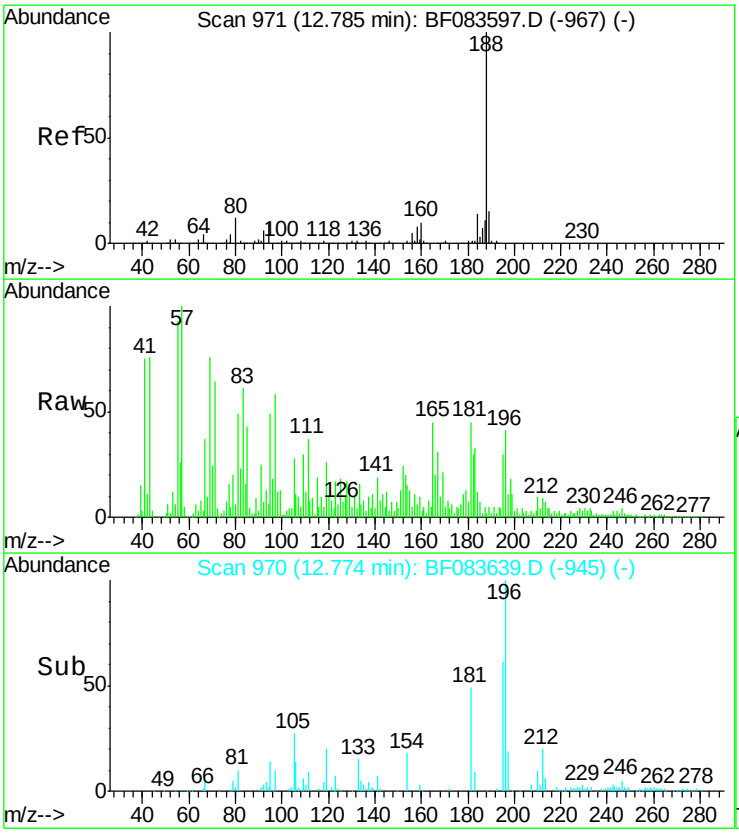
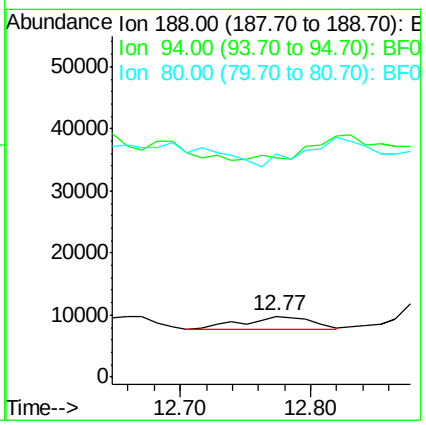
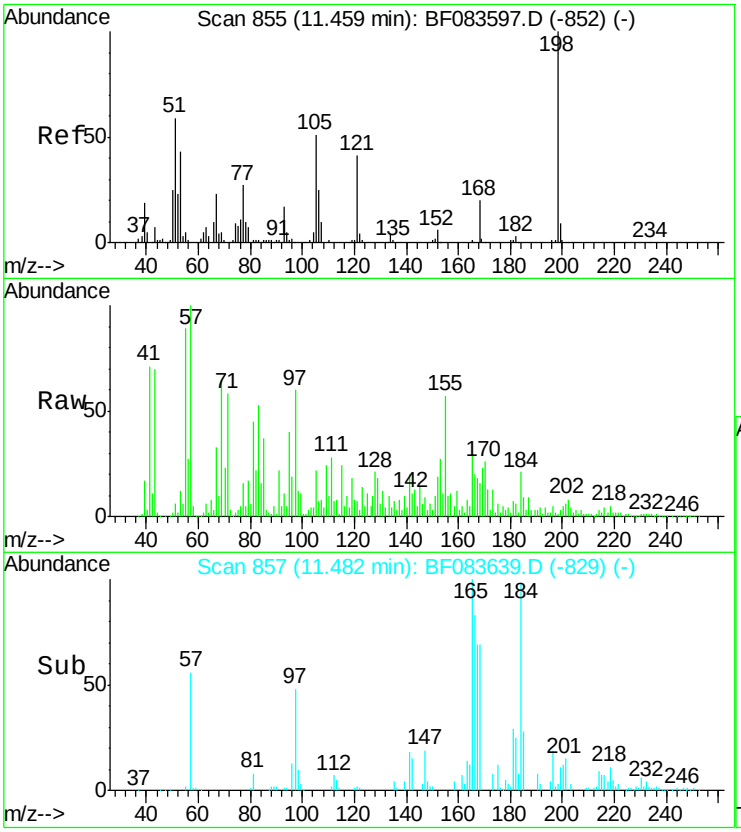


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:188 Resp: 8002

Ion	Ratio	Lower	Upper
188	100		
94	362.0	9.4	14.2#
80	368.6	10.6	16.0#





#64
4,6-Dinitro-2-methylphenol
Concen: 1010.60 ng
RT: 11.48 min Scan# 857
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:198 Resp: 57315

Ion	Ratio	Lower	Upper
198	100		
51	559.7	53.8	93.8#
105	1908.9	38.6	78.6#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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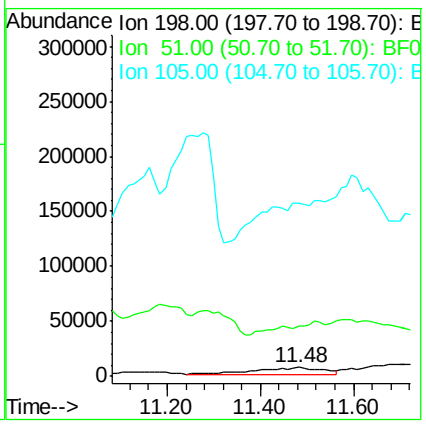
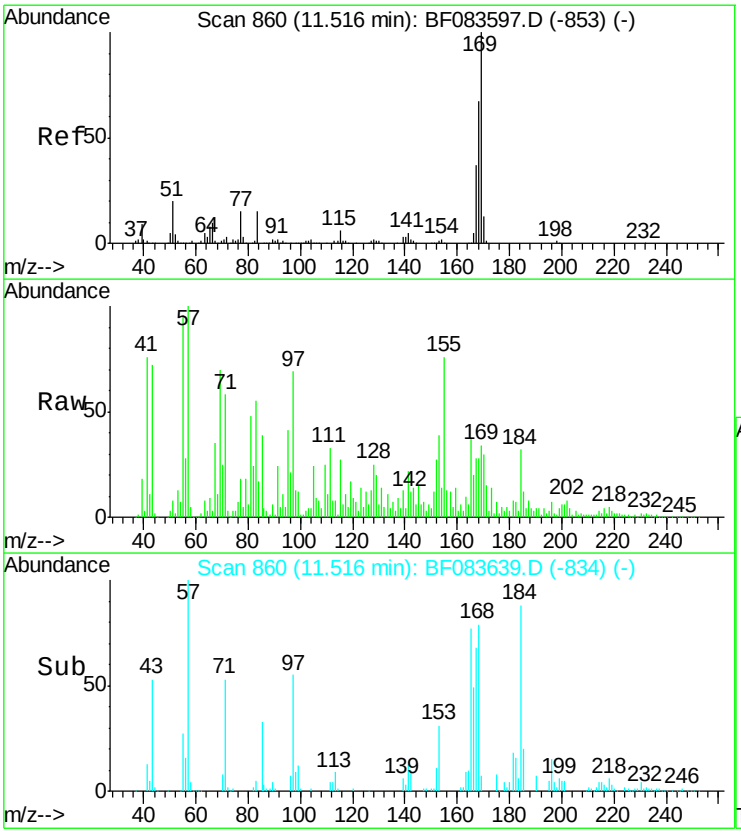
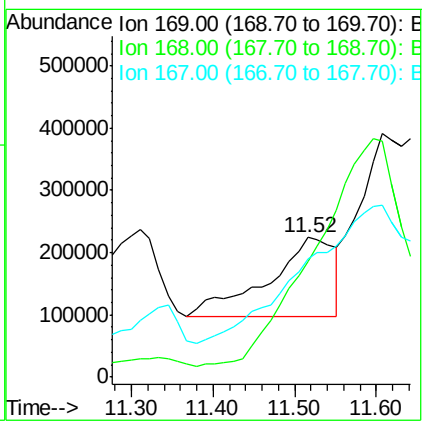


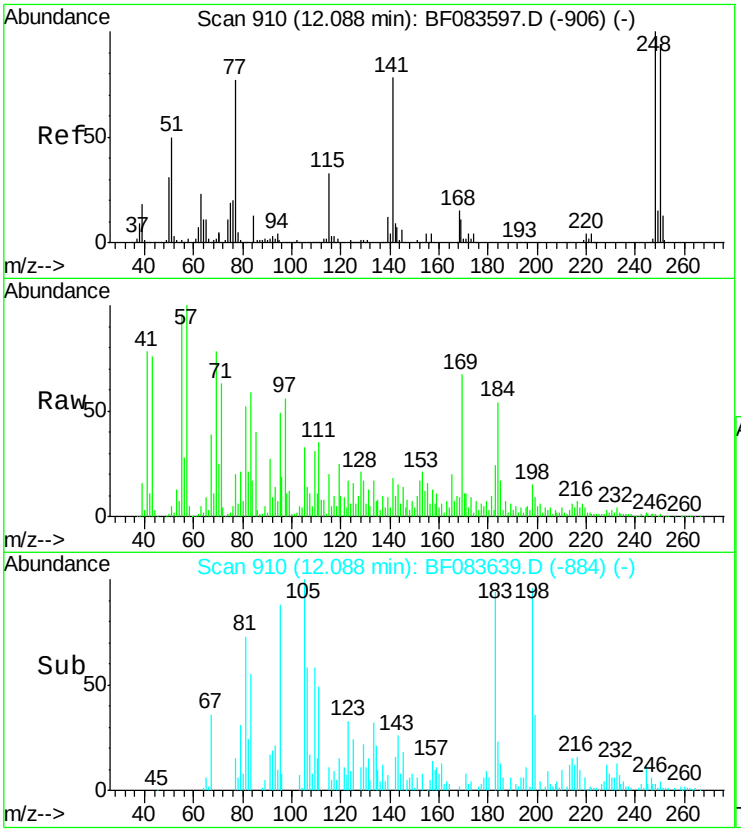


#65
n-Nitrosodiphenylamine
Concen: 2726.53 ng
RT: 11.52 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:169 Resp: 720059

Ion	Ratio	Lower	Upper
169	100		
168	83.1	53.0	79.6#
167	84.2	29.3	43.9#

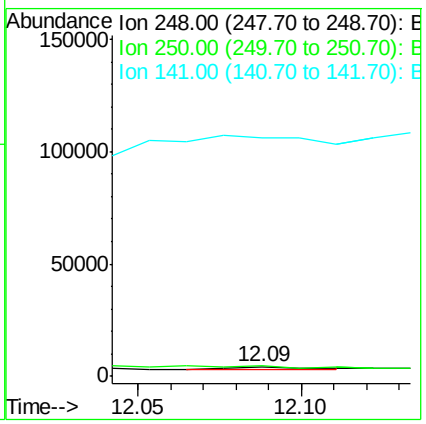




#66
4-Bromophenyl-phenylether
Concen: 16.12 ng
RT: 12.09 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:248 Resp: 1439

Ion	Ratio	Lower	Upper
248	100		
250	115.1	79.2	118.8
141	2547.3	58.2	87.4



Instrument :
BNA_F
ClientSampleId :
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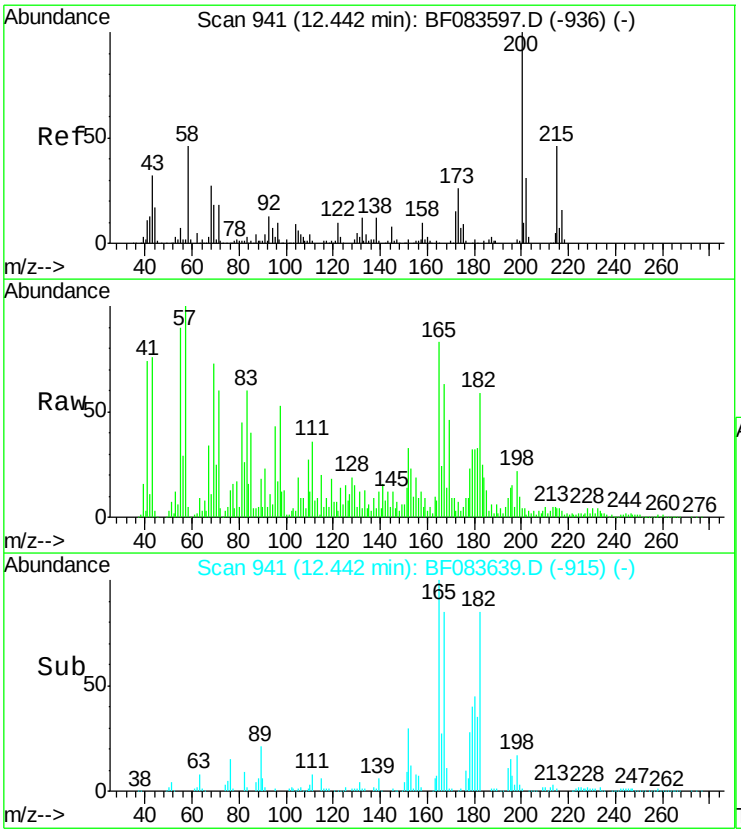
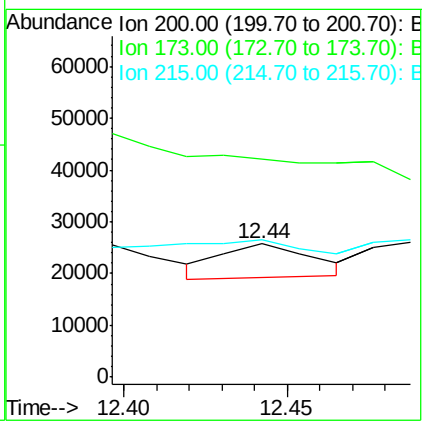
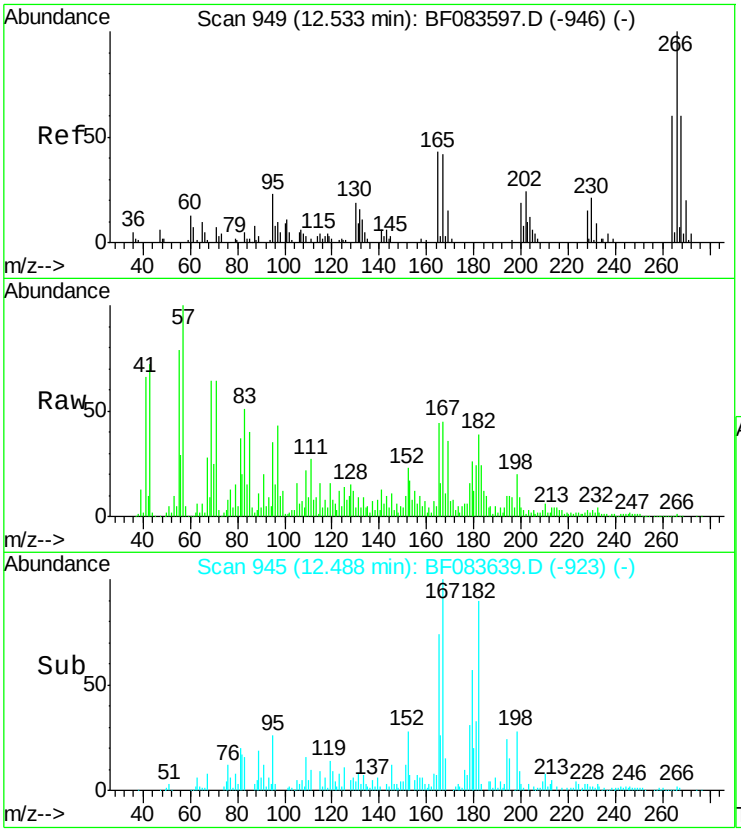


#68
Atrazine
Concen: 160.34 ng
RT: 12.44 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:200 Resp: 12599

Ion	Ratio	Lower	Upper
200	100		
173	163.3	7.8	47.8#
215	103.4	25.7	65.7#

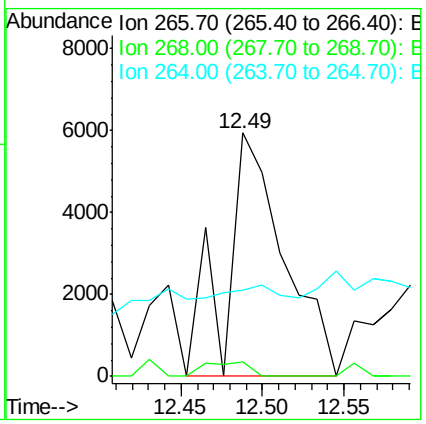




#69
Pentachlorophenol
Concen: 519.72 ng
RT: 12.49 min Scan# 945
Delta R.T. -0.05 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:266 Resp: 14721

Ion	Ratio	Lower	Upper
266	100		
268	6.1	50.2	75.2#
264	35.5	51.4	77.2#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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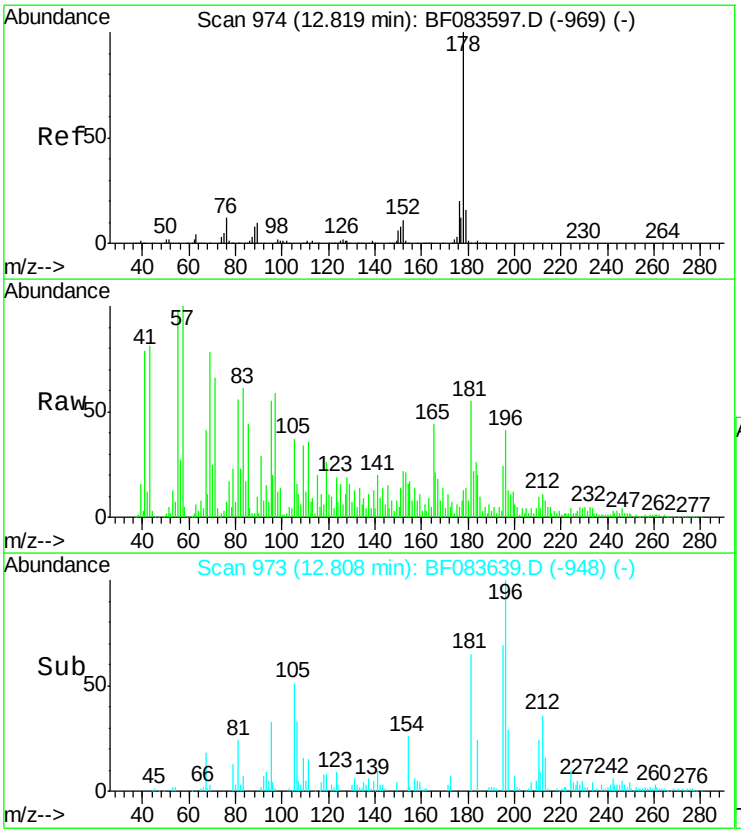
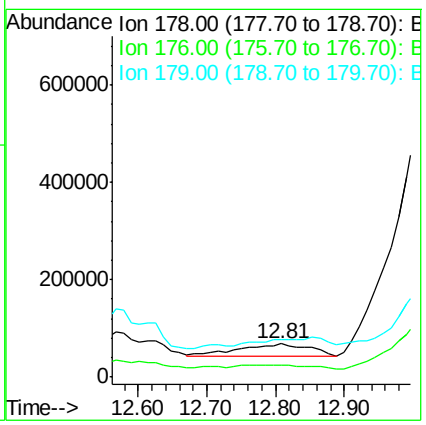
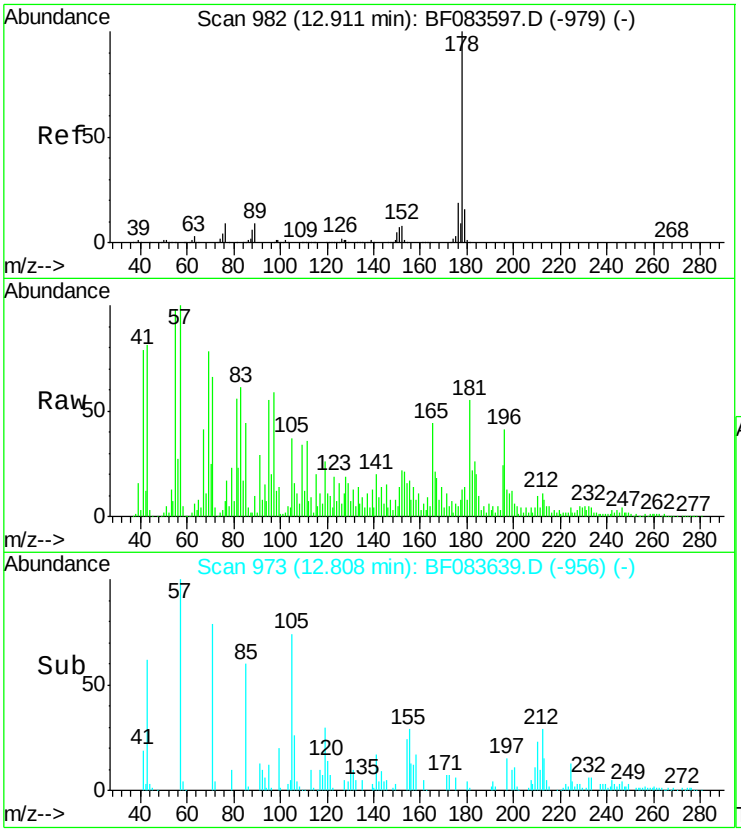


#70
Phenanthrene
Concen: 370.25 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:178 Resp: 170224

Ion	Ratio	Lower	Upper
178	100		
176	37.4	15.7	23.5#
179	111.8	12.2	18.4#

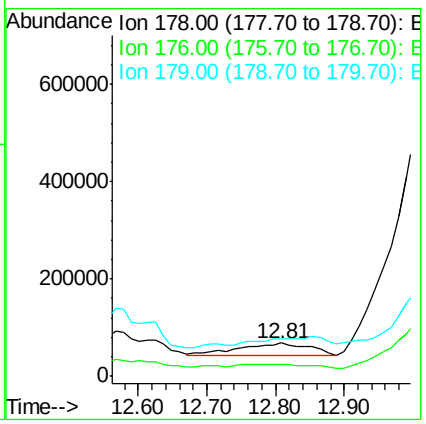




#71
Anthracene
Concen: 357.41 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.10 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:178 Resp: 170224

Ion	Ratio	Lower	Upper
178	100		
176	37.4	15.2	22.8#
179	111.8	12.6	18.8#



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

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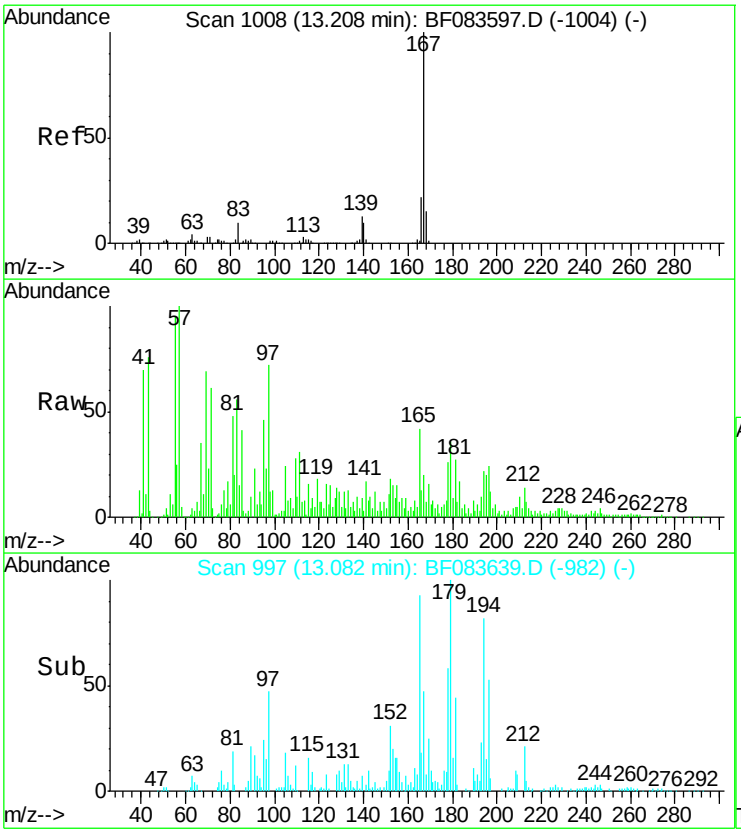
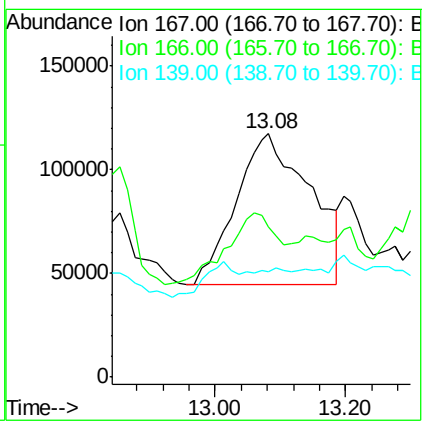
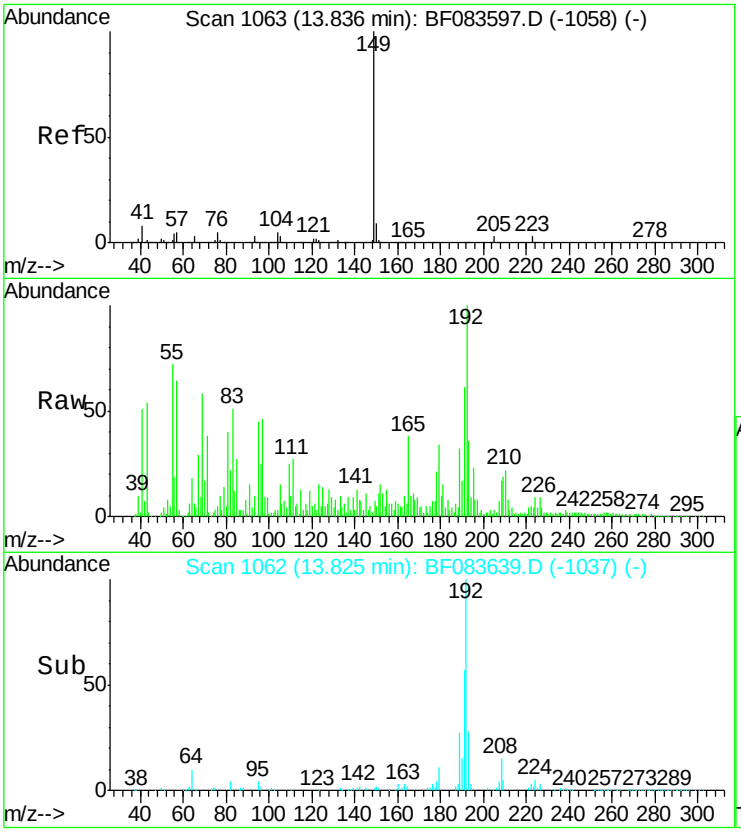


#72
Carbazole
Concen: 1408.23 ng
RT: 13.08 min Scan# 997
Delta R.T. -0.13 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:167 Resp: 575161

Ion	Ratio	Lower	Upper
167	100		
166	61.5	17.2	25.8#
139	43.3	9.3	13.9#





#73
Di-n-butylphthalate
Concen: 29.69 ng
RT: 13.83 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:149 Resp: 15253

Ion	Ratio	Lower	Upper
149	100		
150	74.0	7.8	11.6#
104	41.2	3.9	5.9#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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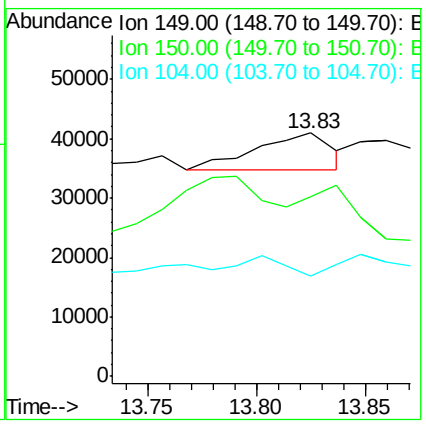
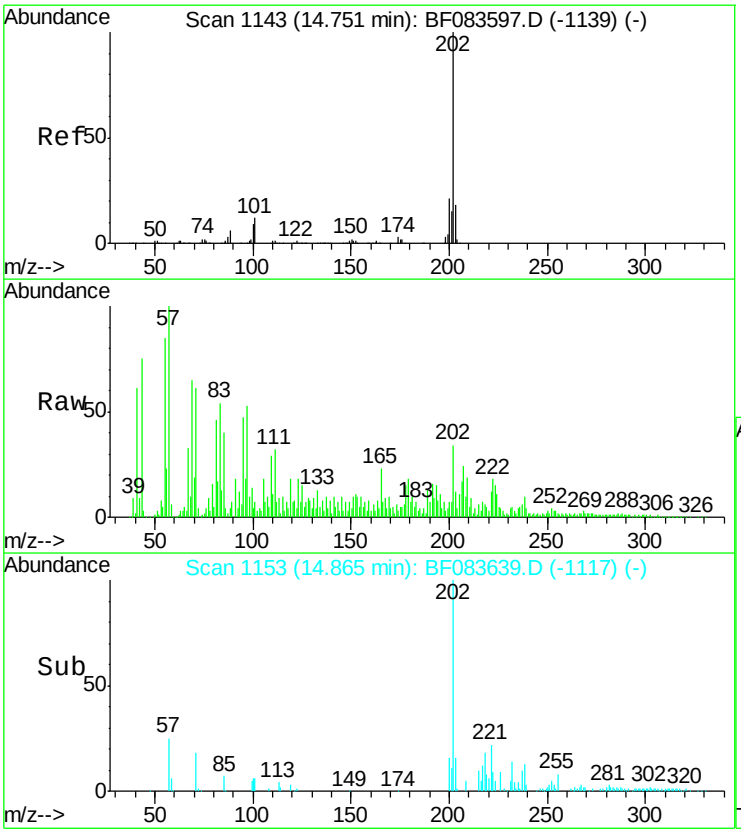
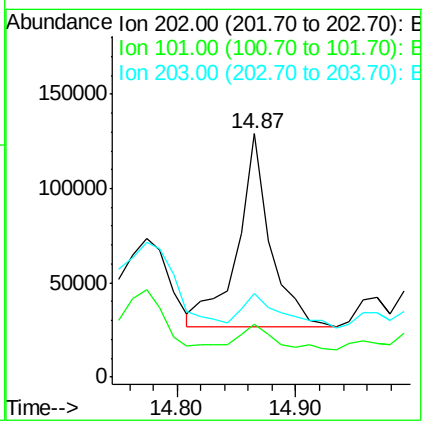


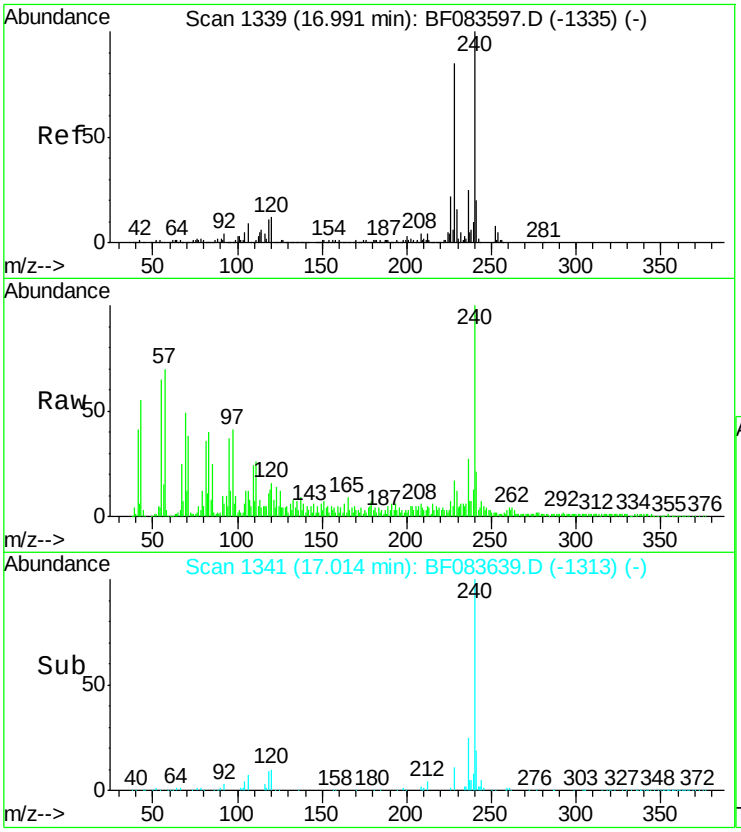


#74
Fluoranthene
Concen: 417.47 ng
RT: 14.87 min Scan# 1153
Delta R.T. 0.11 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:202 Resp: 196348

Ion	Ratio	Lower	Upper
202	100		
101	21.6	0.0	31.5
203	34.5	0.0	37.6

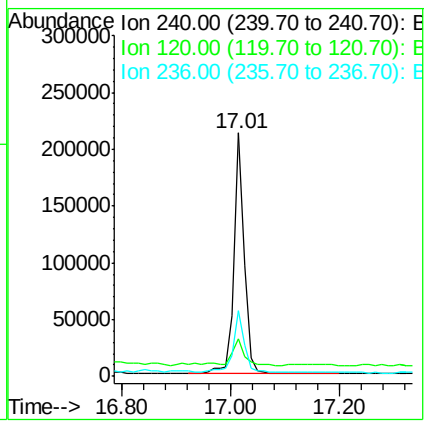




#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.01 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:240 Resp: 274247

Ion	Ratio	Lower	Upper
240	100		
120	15.6	8.1	12.1#
236	27.1	20.8	31.2



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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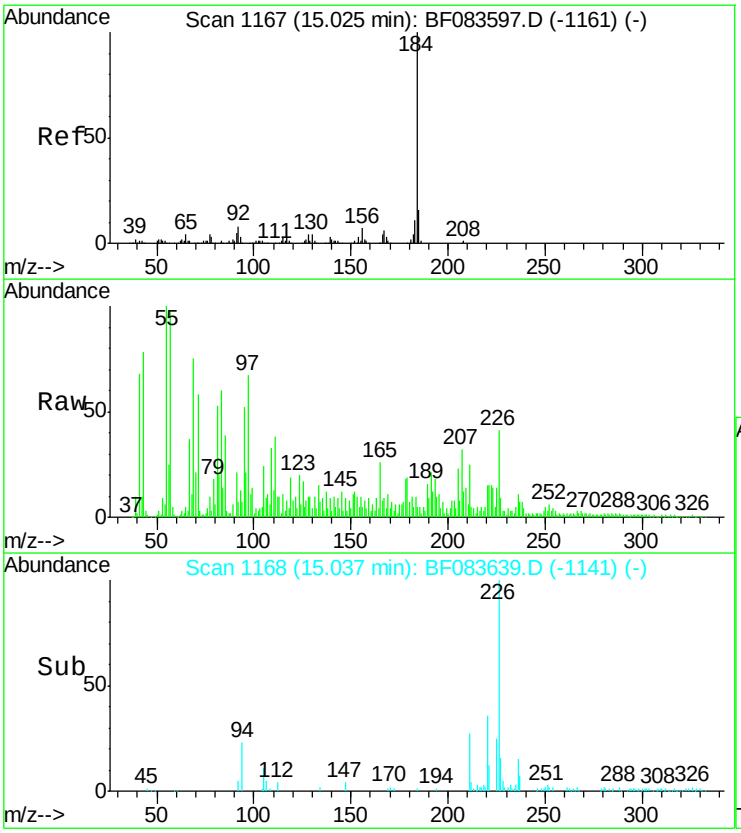
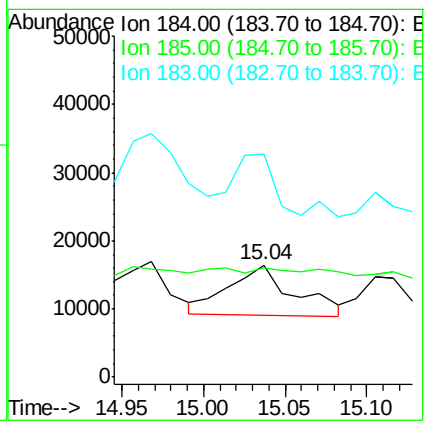
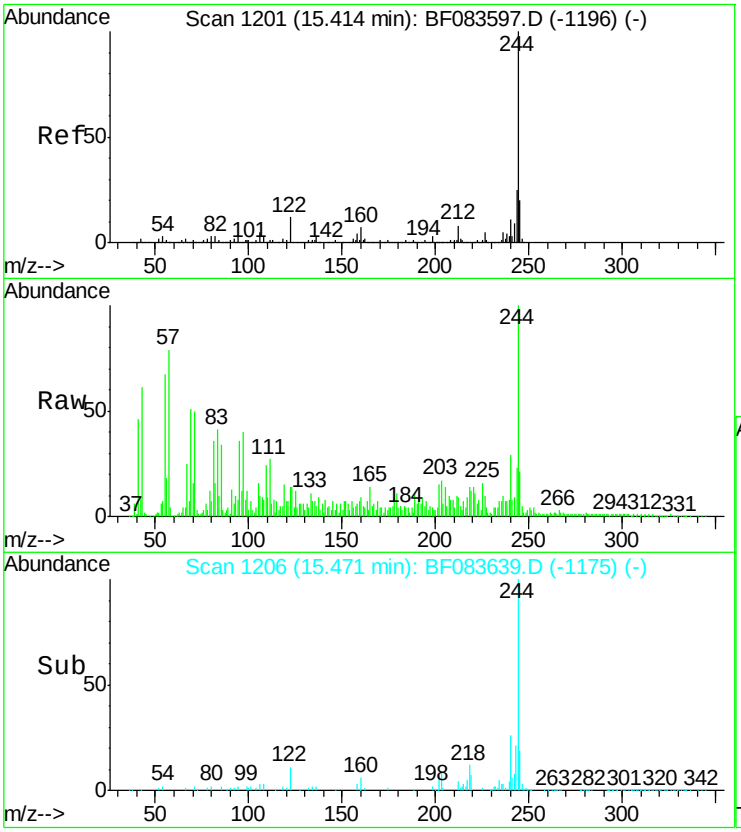


#76
Benzidine
Concen: 2.45 ng
RT: 15.04 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:184 Resp: 20899

Ion	Ratio	Lower	Upper
184	100		
185	96.7	13.0	19.6#
183	199.2	9.0	13.4#

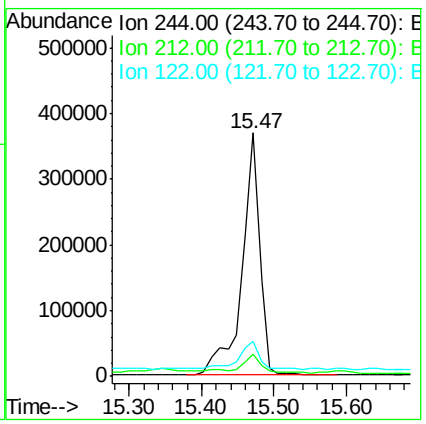




#78
Terphenyl-d14
Concen: 53.71 ng
RT: 15.47 min Scan# 1206
Delta R.T. 0.06 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:244 Resp: 626047

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.1	9.1
122	14.2	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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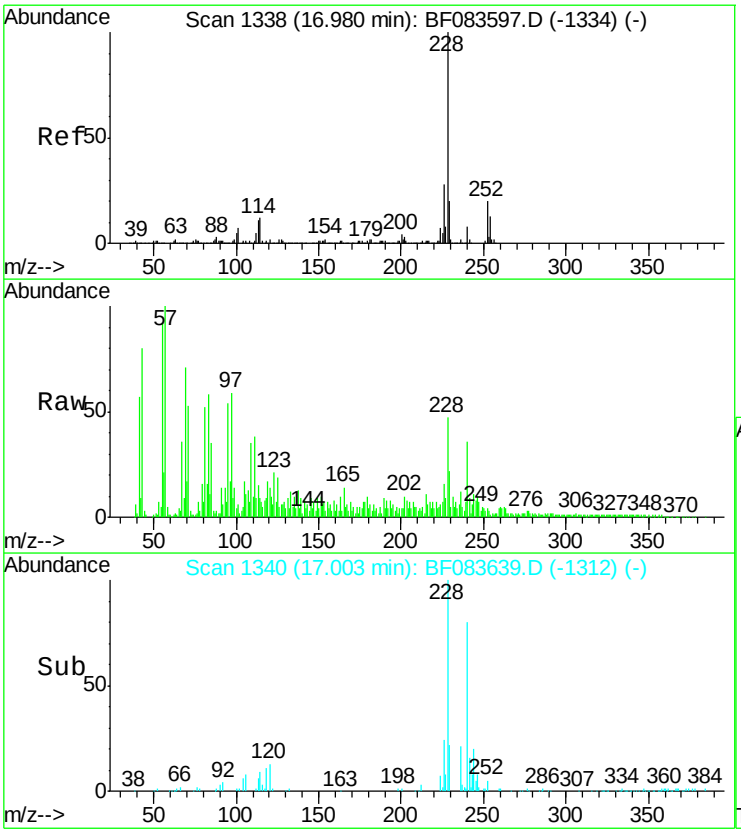
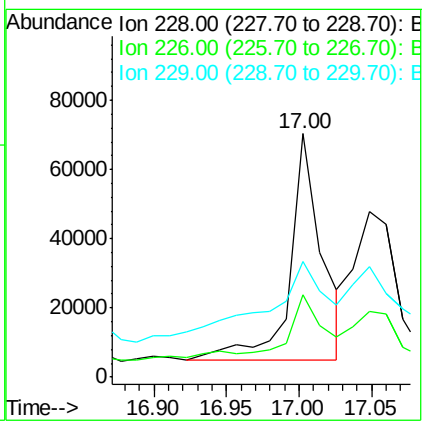
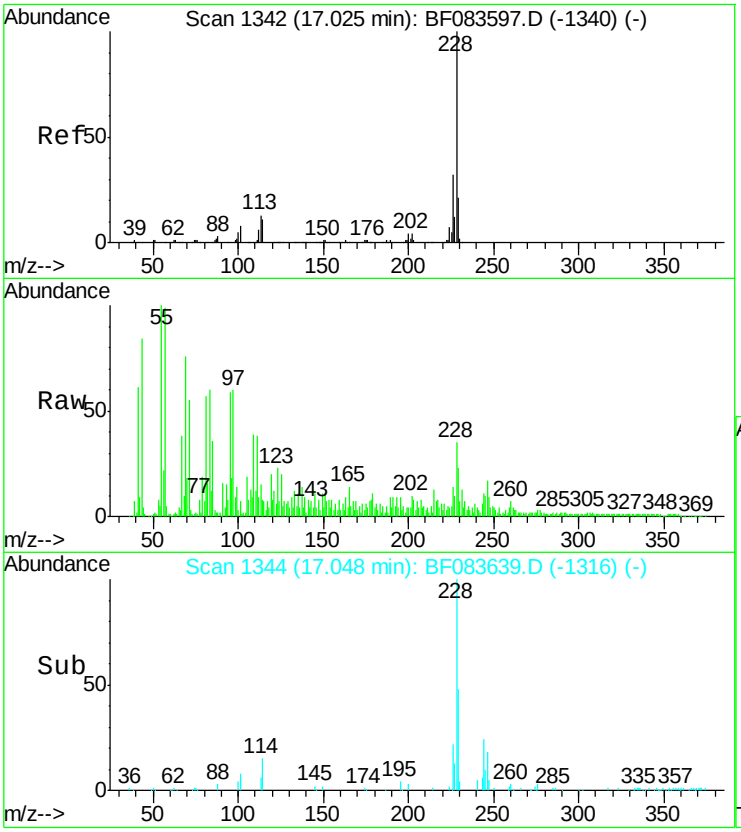


#80
Benzo(a)anthracene
Concen: 6.28 ng
RT: 17.00 min Scan# 1340
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:228 Resp: 100854

Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.3	33.5#
229	47.4	15.7	23.5#





#82
Chrysene
Concen: 5.39 ng
RT: 17.05 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:228 Resp: 86665

Ion	Ratio	Lower	Upper
228	100		
226	39.8	24.7	37.1#
229	66.4	16.3	24.5#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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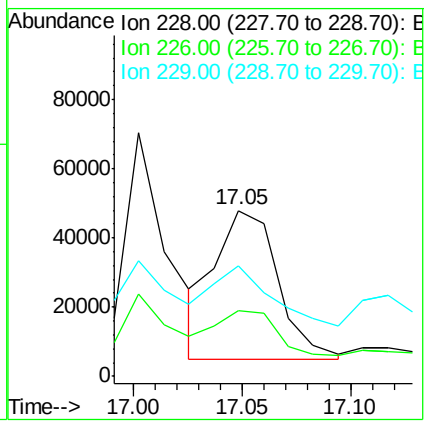
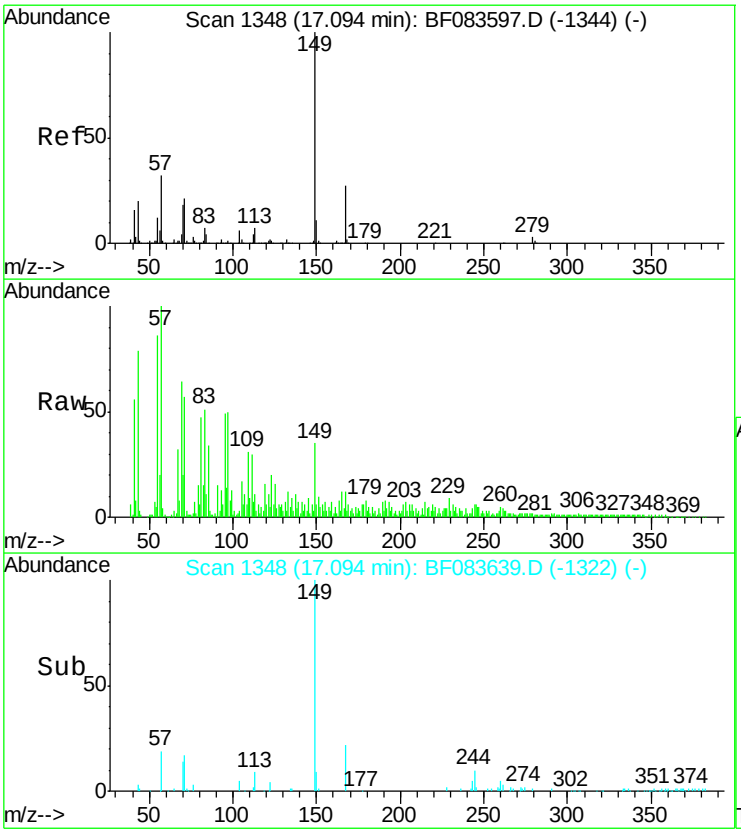
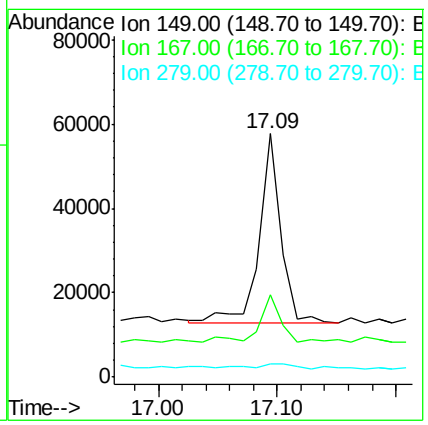


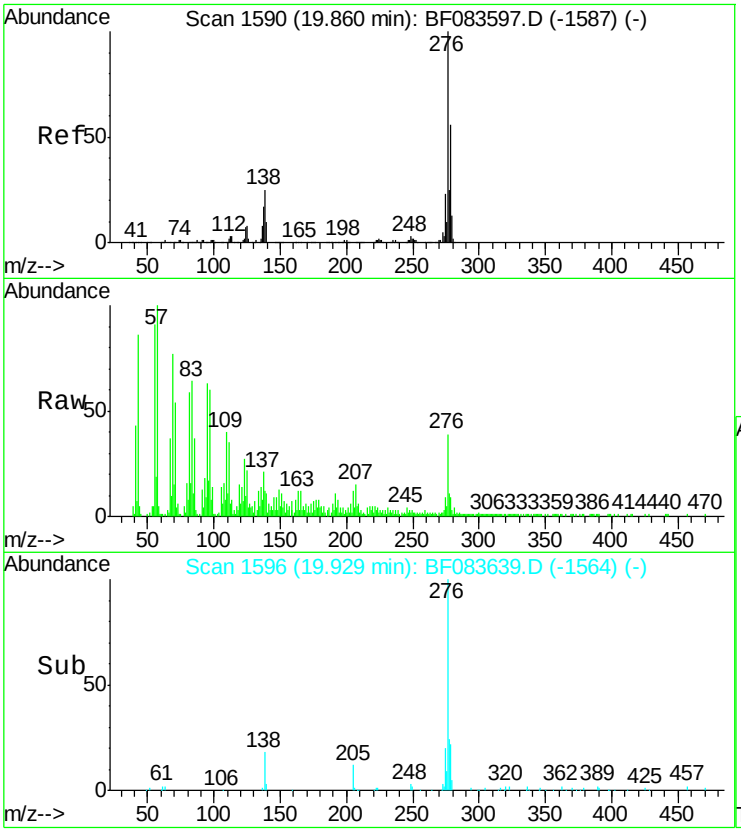


#83
Bis(2-ethylhexyl)phthalate
Concen: 4.62 ng
RT: 17.09 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:149 Resp: 56254

Ion	Ratio	Lower	Upper
149	100		
167	33.9	21.8	32.8#
279	5.6	3.0	4.4#





#85
Indeno(1,2,3-cd)pyrene
Concen: 5.02 ng
RT: 19.93 min Scan# 1596
Delta R.T. 0.07 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:276 Resp: 54555

Ion	Ratio	Lower	Upper
276	100		
138	21.3	0.0	0.0#
277	27.0	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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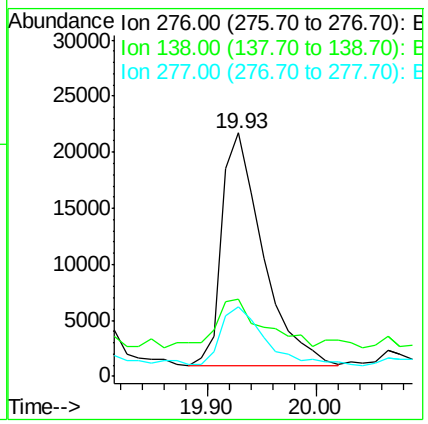
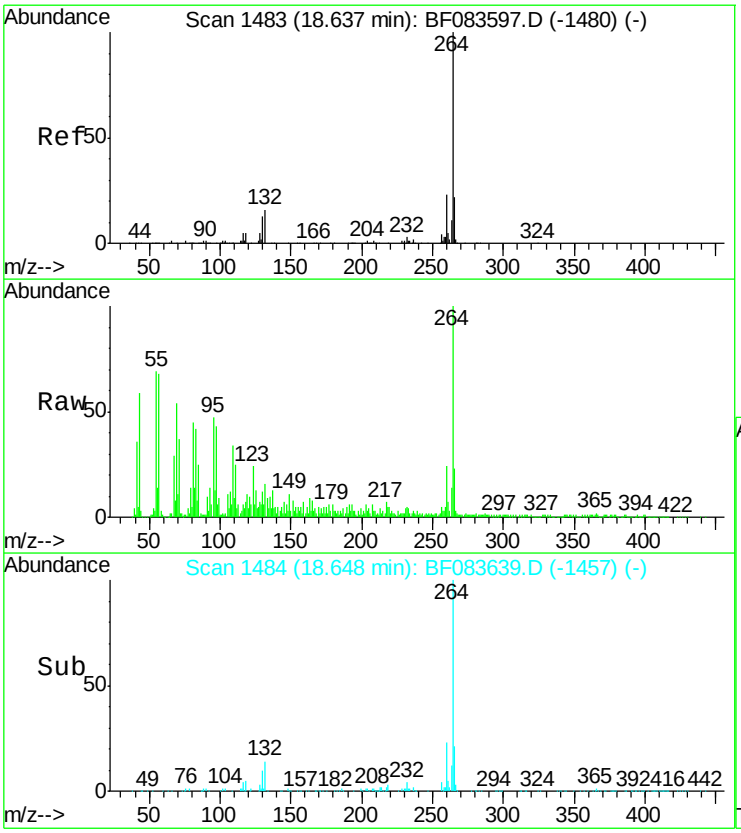
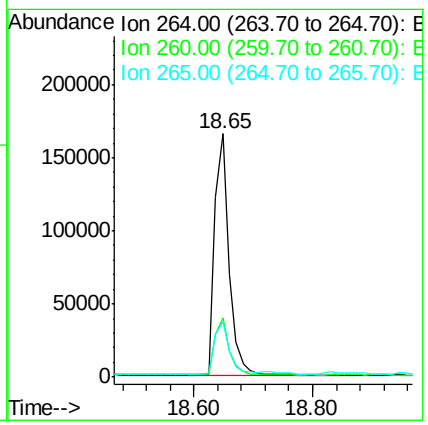


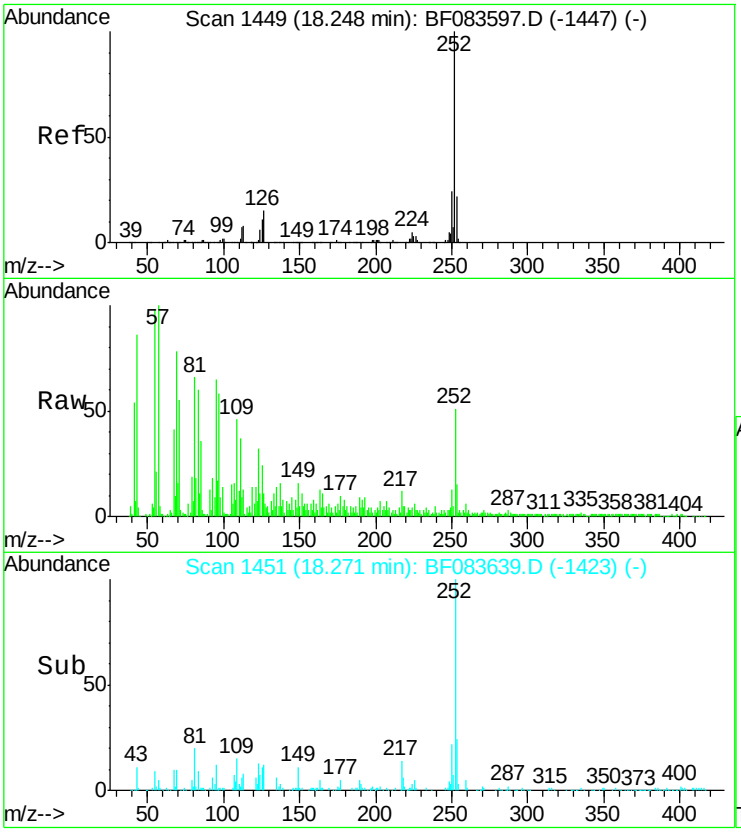


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:264 Resp: 274472

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.5	17.8	26.6





#87
Benzo(b)fluoranthene
Concen: 9.21 ng
RT: 18.27 min Scan# 1451
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:252 Resp: 143957

Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.2	27.4#
125	46.7	8.2	12.4#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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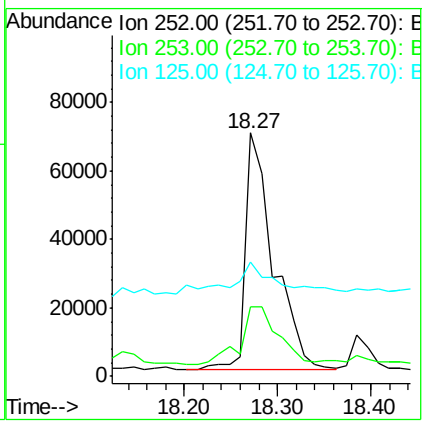
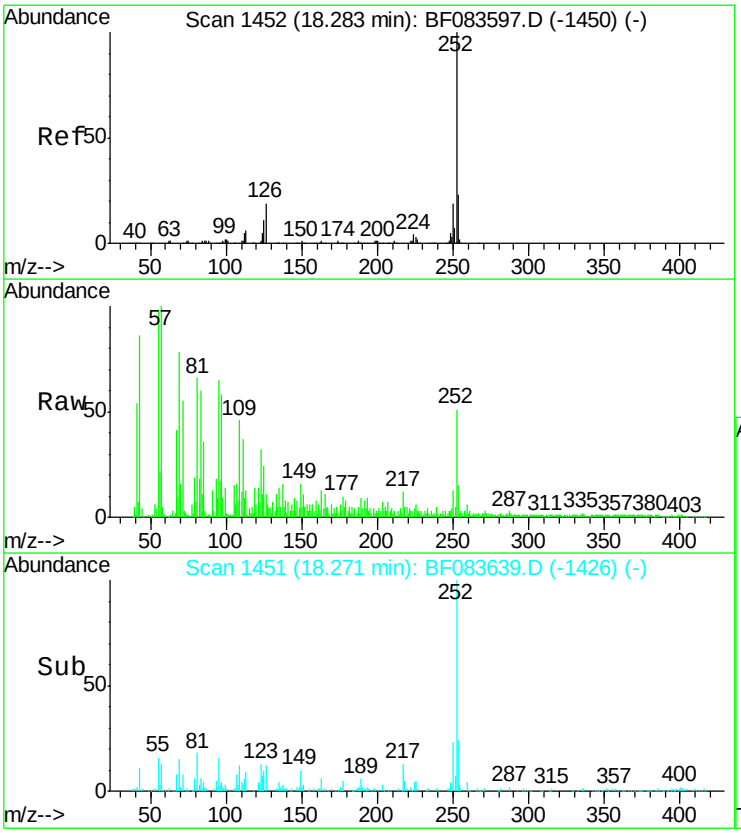
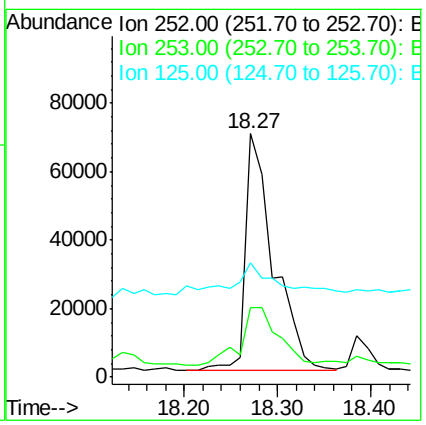


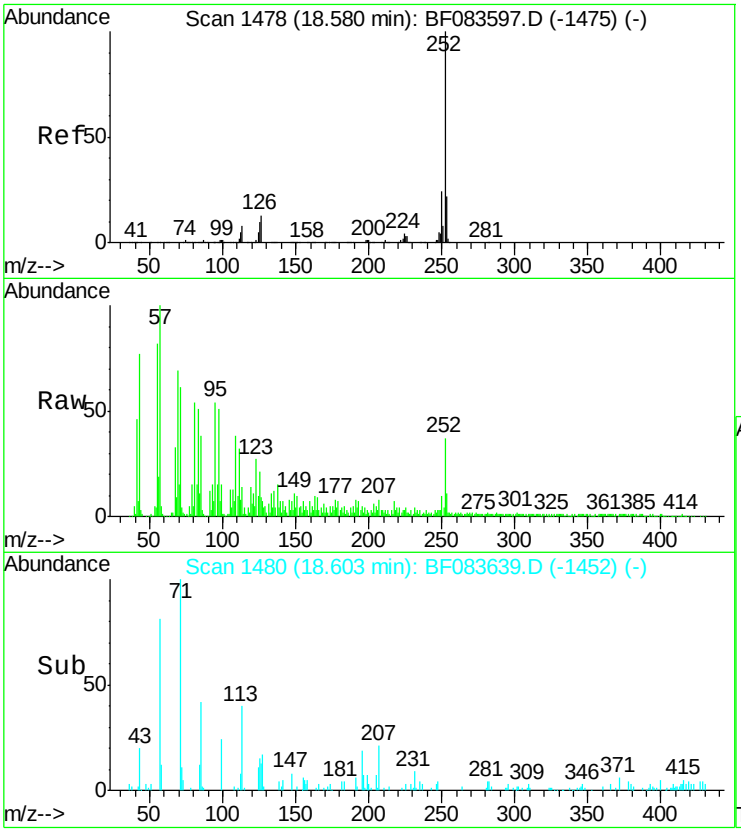


#88
Benzo(k)fluoranthene
Concen: 8.36 ng
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:252 Resp: 143957

Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.6	27.8#
125	46.7	11.5	17.3#





#89
Benzo(a)pyrene
Concen: 3.97 ng
RT: 18.60 min Scan# 1480
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:252 Resp: 60500

Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.5	26.3#
125	55.5	11.0	16.6#

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations APPROVED
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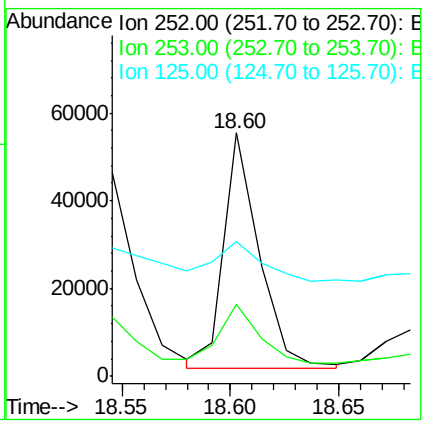

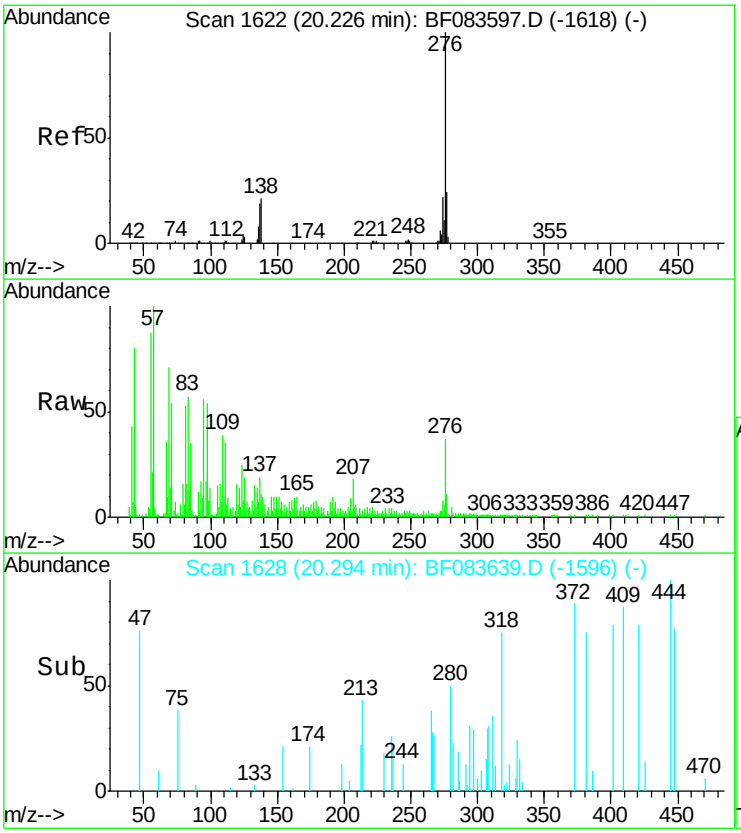

#91
Benzo(g,h,i)perylene
Concen: 4.41 ng
RT: 20.29 min Scan# 1628
Delta R.T. 0.07 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:276 Resp: 50091

Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.2	28.8#
138	30.9	19.5	29.3#