Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081552.D
Acq On : 9 Sep 2015 8:17
Operator : UM/IZ
Sample : G3519-01DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MGP208BR-7-8DL

Manual Integrations APPROVED
MMDadoda
9/9/2015 3:00:19 PM

Quant Time: Sep 09 09:17:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 15:49:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	48541	20.00	ng		0.00
21) Naphthalene-d8	7.63	136	176980	20.00	ng		-0.01
38) Acenaphthene-d10	9.38	164	78270	20.00	ng		0.00
63) Phenanthrene-d10	10.87	188	126286	20.00	ng		0.02
75) Chrysene-d12	13.47	240	103555	20.00	ng		0.02
86) Perylene-d12	14.79	264	78939	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	4.88	112	221498	70.80	ng		0.00
7) Phenol-d6	6.01	99	296381	71.57	ng		-0.01
23) Nitrobenzene-d5	6.92	82	210375	57.35	ng		0.00
41) 2,4,6-Tribromophenol	10.17	330	42287	60.68	ng		0.01
44) 2-Fluorobiphenyl	8.72	172	266393	43.62	ng		0.00
78) Terphenyl-d14	12.44	244	190082	42.73	ng		0.02
Target Compounds							Qvalue
12) 1,3-Dichlorobenzene	6.28	146	44333	12.04	ng	#	94
13) 1,4-Dichlorobenzene	6.36	146	247508	65.99	ng	#	88
30) 1,2,4-Trichlorobenzene	7.59	180	15545	5.75	ng		97
31) Naphthalene	7.66	128	37420	3.96	ng		97
48) Acenaphthylene	9.24	152	76171	8.26	ng	#	87
49) Dimethylphthalate	9.13	163	48261	7.94	ng		97
51) Acenaphthene	9.42	154	54942	10.47	ng		89
54) Dibenzofuran	9.59	168	31309m	4.09	ng		
57) Fluorene	9.93	166	47442m	8.16	ng		
70) Phenanthrene	10.89	178	222355	31.67	ng	#	92
71) Anthracene	10.94	178	52803	7.32	ng	#	78
74) Fluoranthene	12.07	202	310086	40.80	ng		90
77) Pyrene	12.30	202	370275	48.27	ng		96
80) Benzo(a)anthracene	13.46	228	195242	29.61	ng	#	88
82) Chrysene	13.50	228	132750m	22.46	ng		
85) Indeno(1,2,3-cd)pyrene	15.86	276	51799	11.94	ng	#	78
87) Benzo(b)fluoranthene	14.46	252	158131m	28.06	ng		
88) Benzo(k)fluoranthene	14.47	252	47138m	10.08	ng		
89) Benzo(a)pyrene	14.74	252	91301	19.12	ng	#	93
90) Dibenzo(a,h)anthracene	15.87	278	17540	4.75	ng	#	78
91) Benzo(g,h,i)perylene	16.18	276	48045	13.64	ng	#	77

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

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Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

Manual Integrations APPROVED
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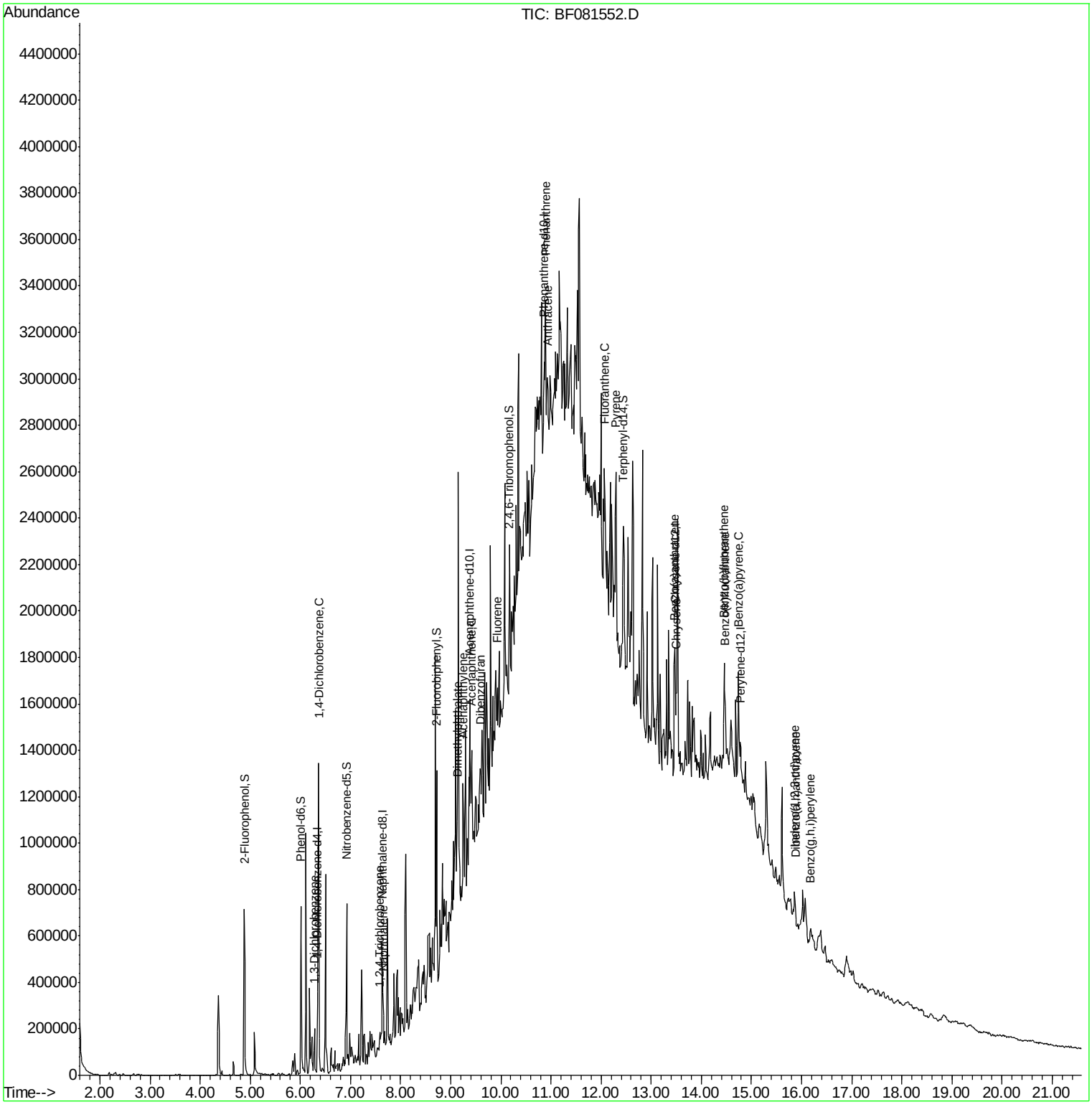
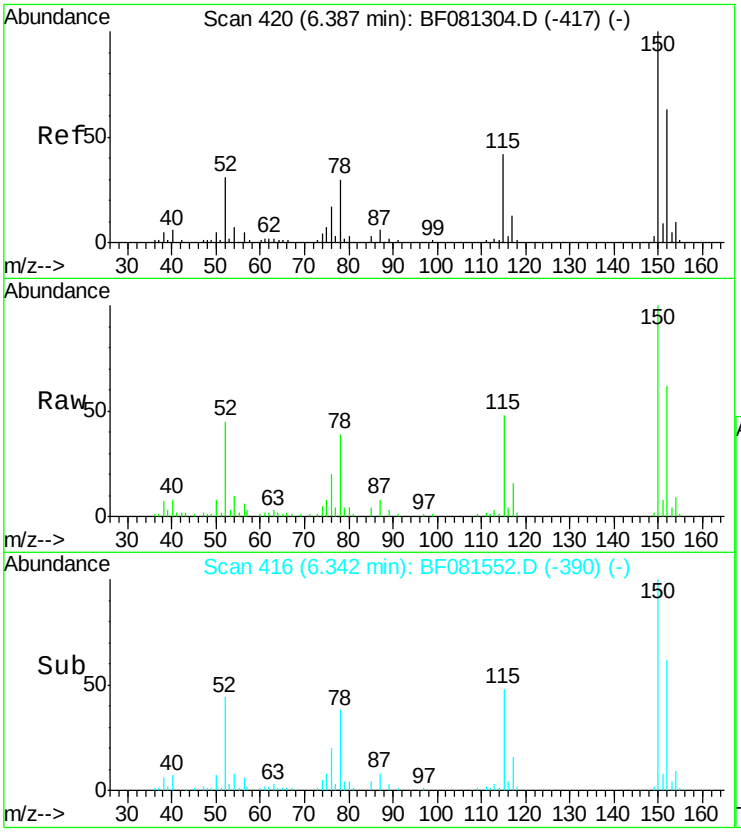
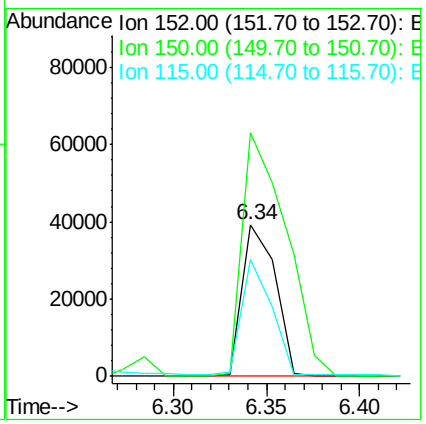




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:152 Resp: 48541

Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.7	187.1
115	77.0	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

Manual Integrations APPROVED
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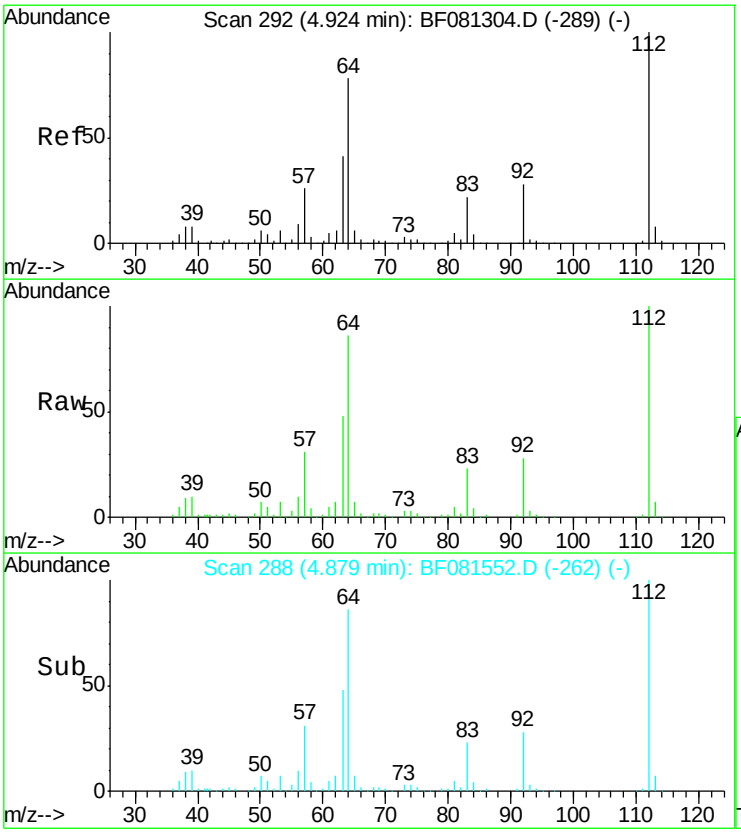
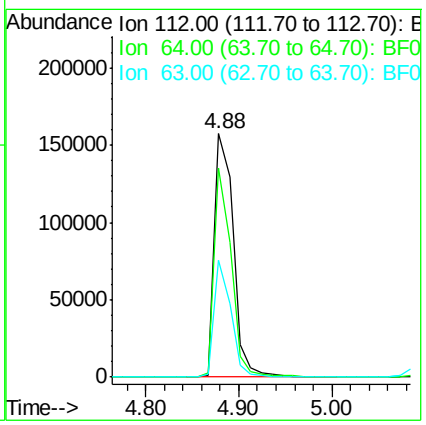
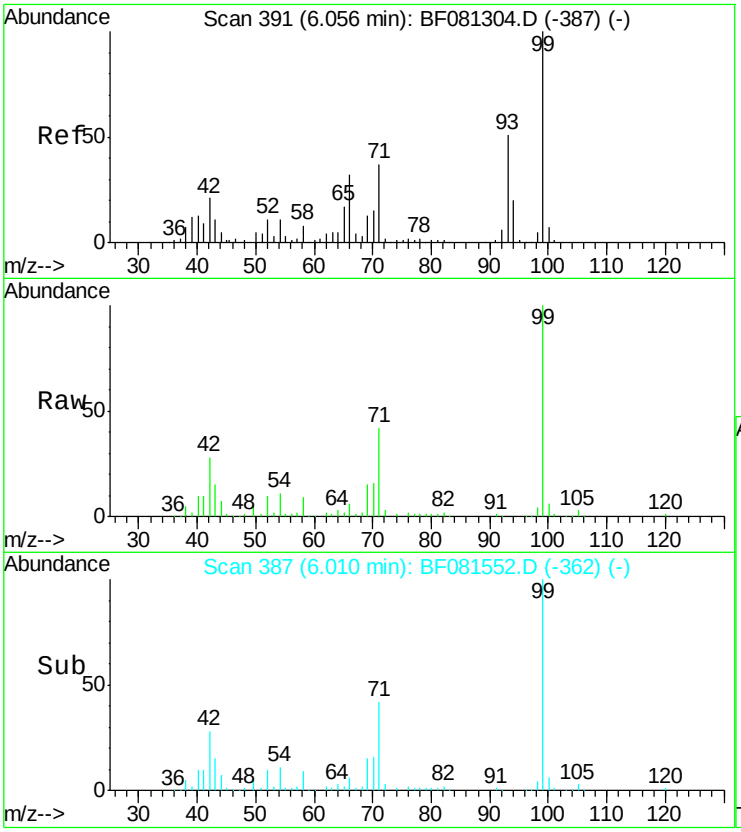


#5
2-Fluorophenol
Concen: 70.80 ng
RT: 4.88 min Scan# 288
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:112 Resp: 221498

Ion	Ratio	Lower	Upper
112	100		
64	85.6	39.7	59.5#
63	48.3	17.4	26.0#





#7
Phenol-d6
Concen: 71.57 ng
RT: 6.01 min Scan# 387
Delta R.T. -0.01 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion: 99 Resp: 296381

Ion	Ratio	Lower	Upper
99	100		
42	27.8	13.7	20.5#
71	41.7	14.2	21.2#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

Manual Integrations APPROVED
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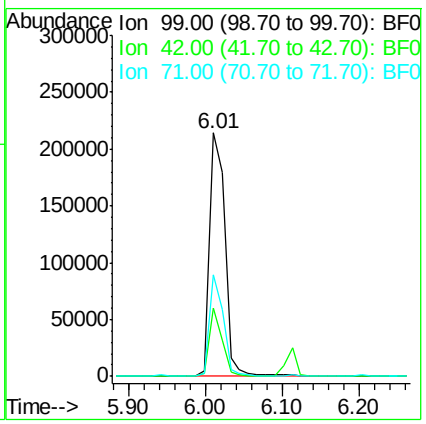
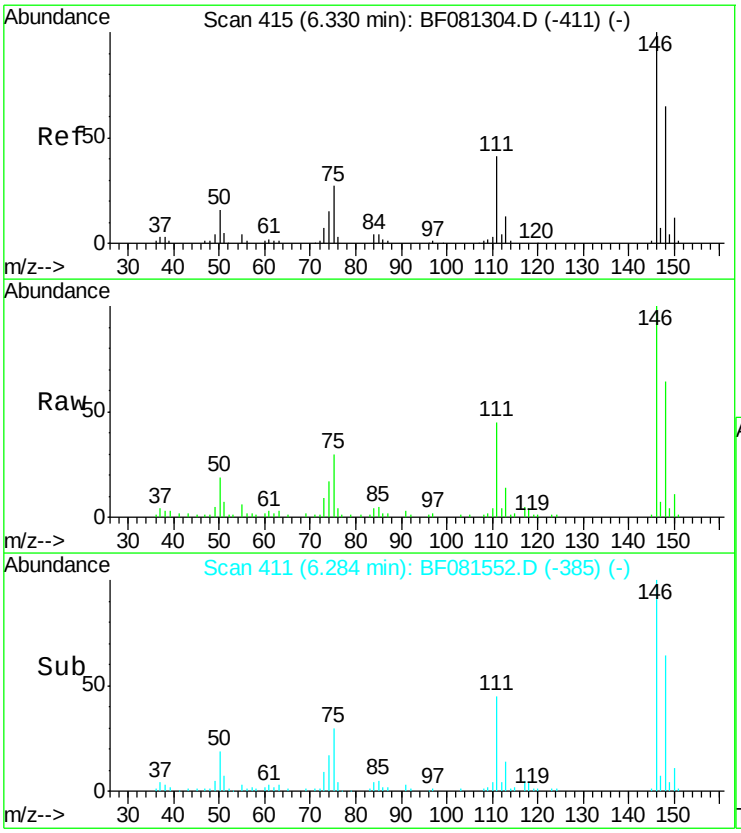
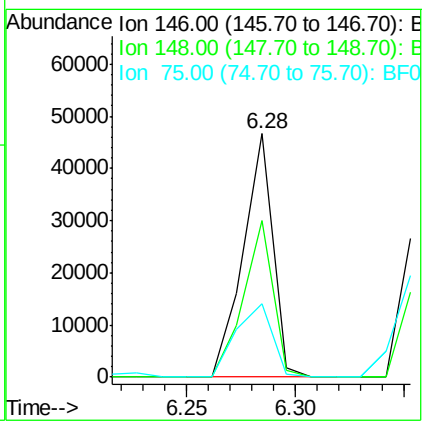


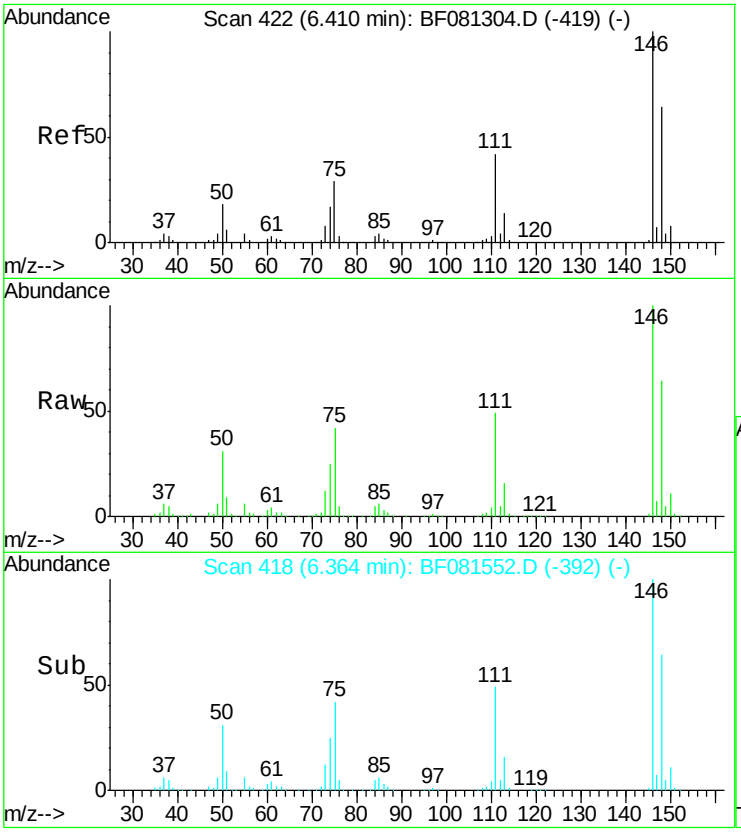


#12
1,3-Dichlorobenzene
Concen: 12.04 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:146 Resp: 44333

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
75	30.0	15.0	22.6#

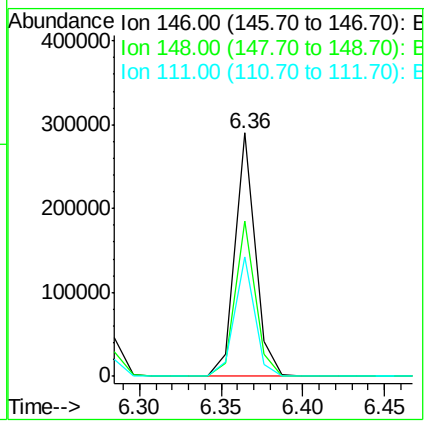




#13
1,4-Dichlorobenzene
Concen: 65.99 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:146 Resp: 247508

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
111	49.2	24.9	37.3#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

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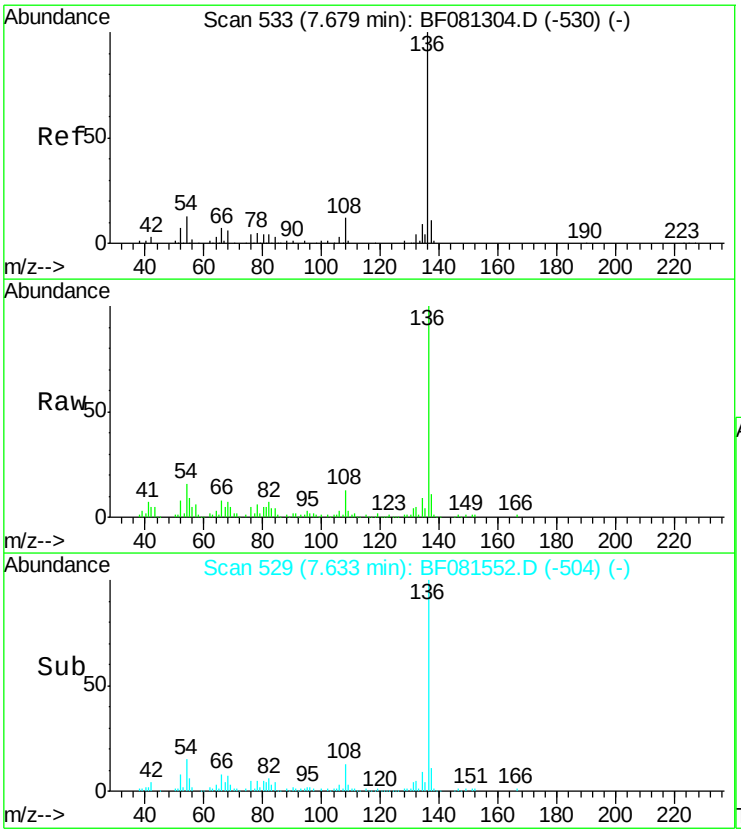
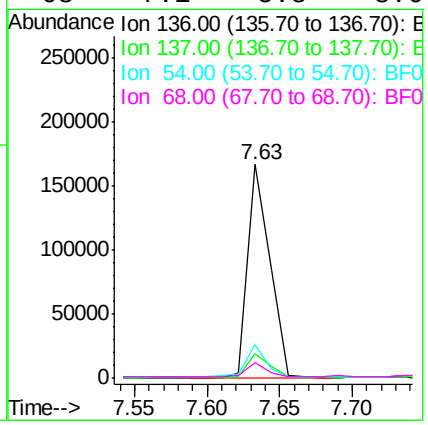
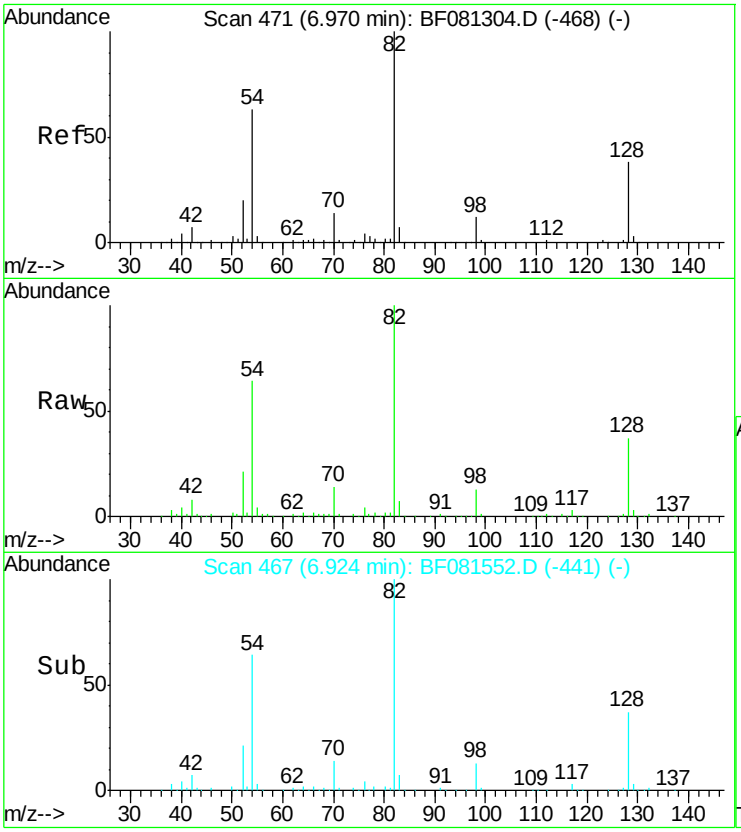


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:136 Resp: 176980

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	15.6	8.2	12.2#
68	7.1	5.8	8.6

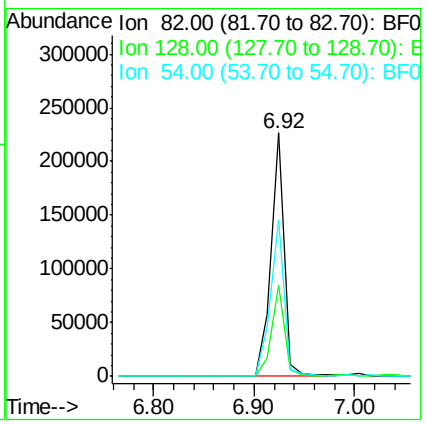




#23
Nitrobenzene-d5
Concen: 57.35 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion: 82 Resp: 210375

Ion	Ratio	Lower	Upper
82	100		
128	37.4	51.0	76.6#
54	64.2	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

Manual Integrations APPROVED
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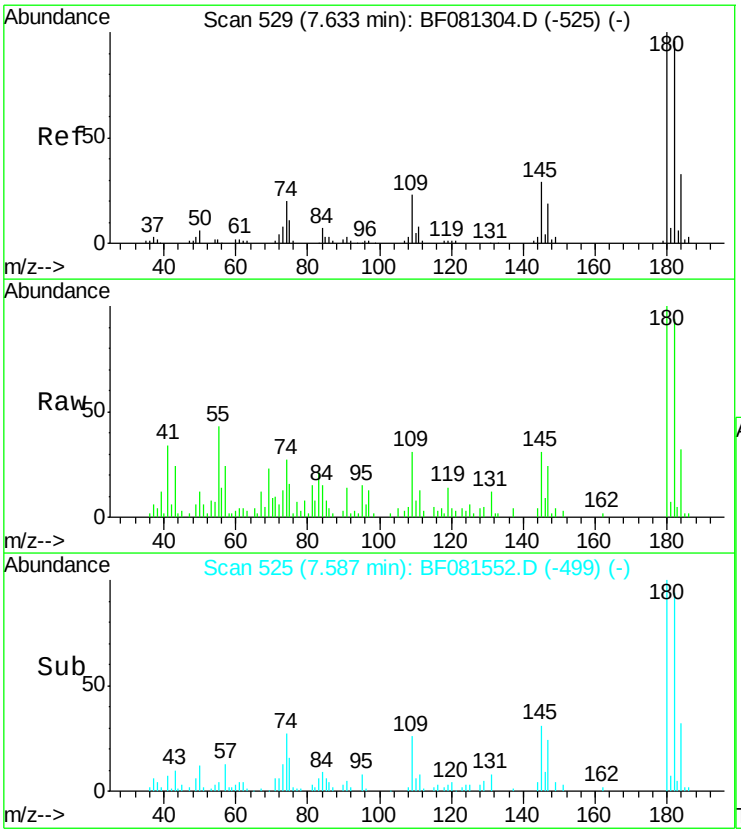
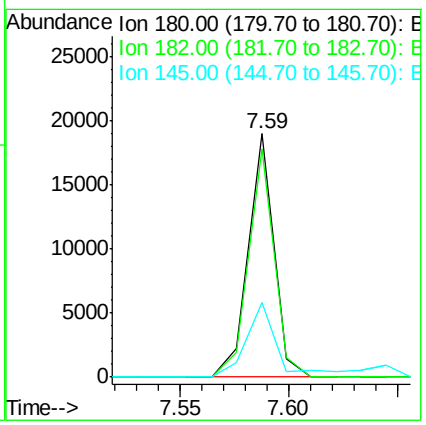
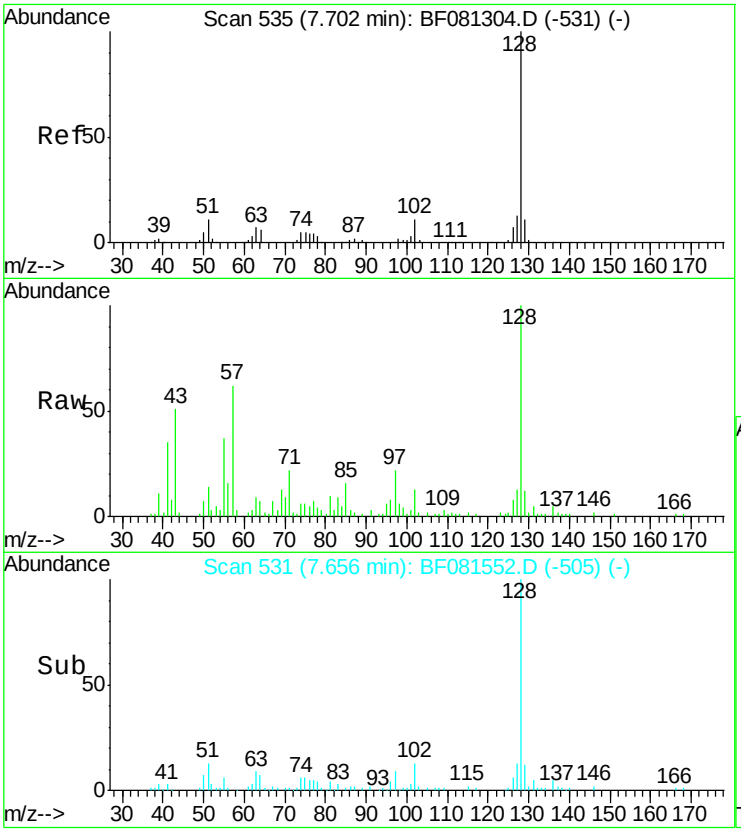


#30
1,2,4-Trichlorobenzene
Concen: 5.75 ng
RT: 7.59 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:180 Resp: 15545

Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.1	115.7
145	30.7	23.3	34.9

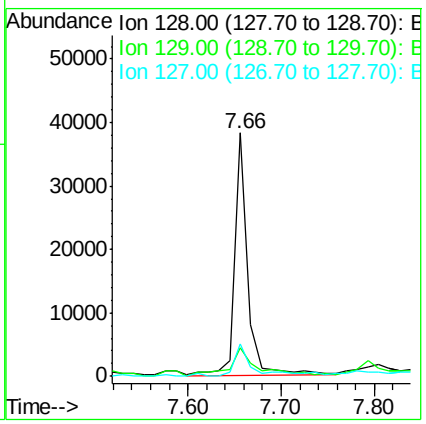




#31
Naphthalene
Concen: 3.96 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:128 Resp: 37420

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.4	12.6
127	13.3	9.9	14.9



Instrument :
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ClientSampleId :
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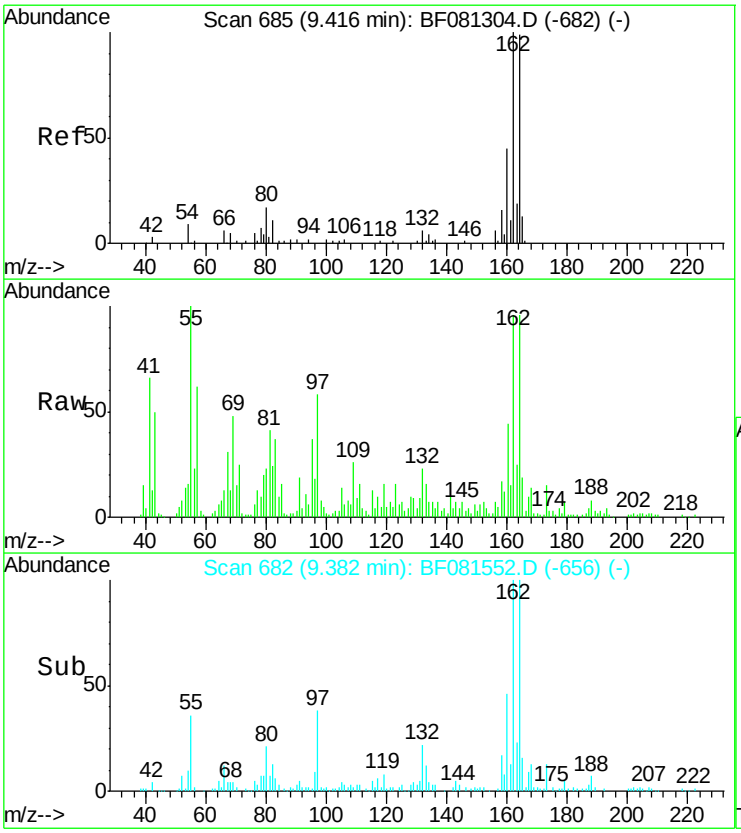
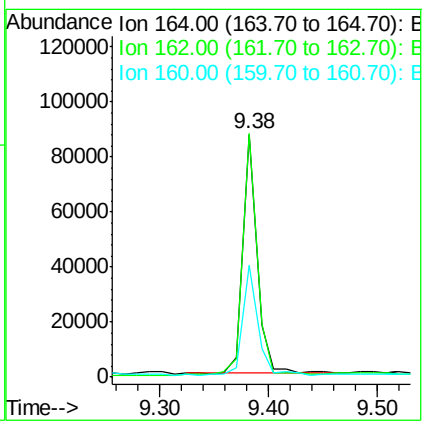
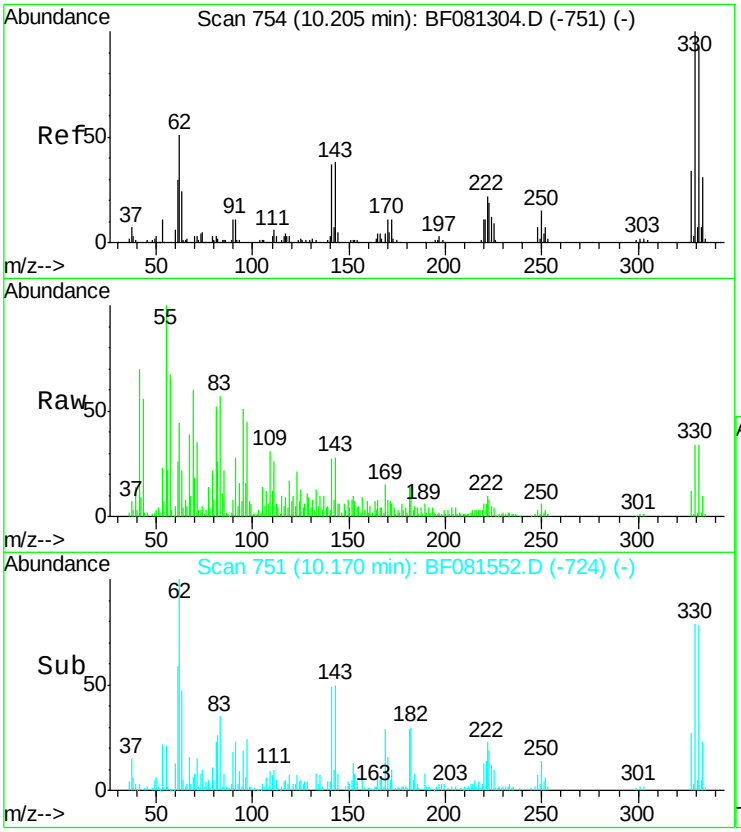


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:164 Resp: 78270

Ion	Ratio	Lower	Upper
164	100		
162	100.3	75.2	112.8
160	46.1	31.5	47.3

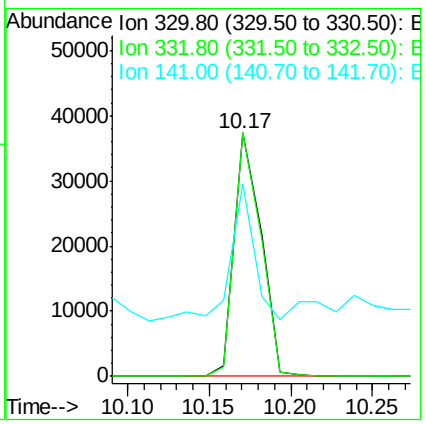




#41
2,4,6-Tribromophenol
Concen: 60.68 ng
RT: 10.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

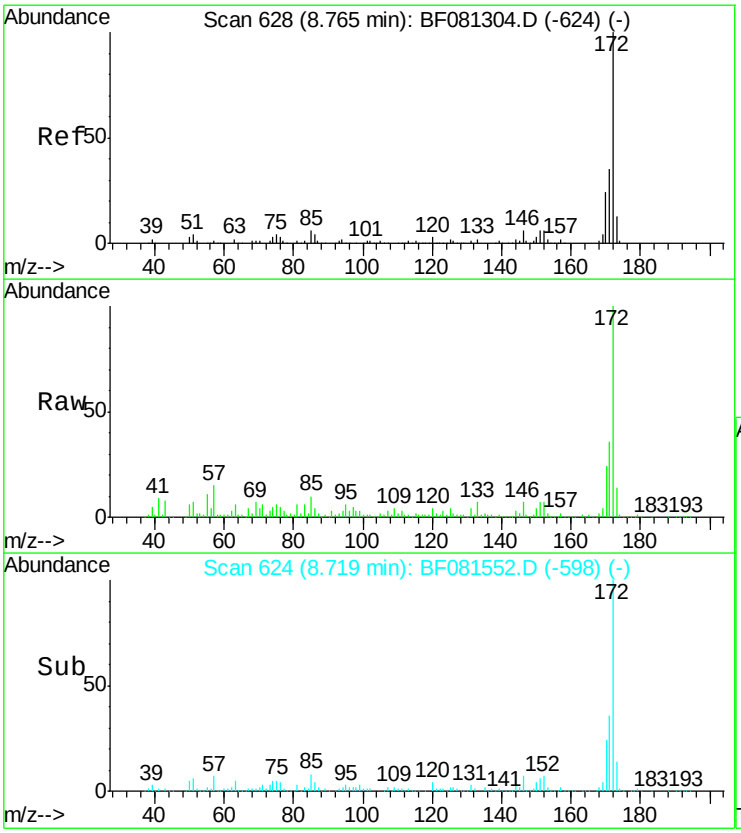
Tgt Ion:330 Resp: 42287

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.6	114.8
141	49.9	29.7	44.5#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

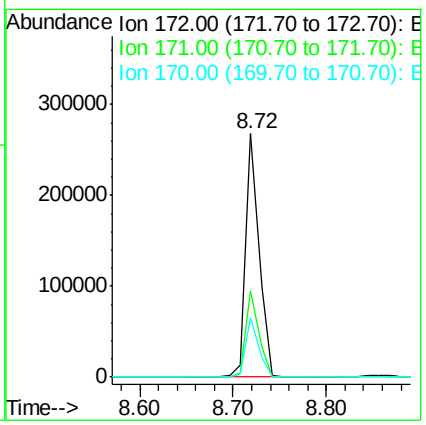
Manual Integrations APPROVED
MMDadoda
9/9/2015 3:00:19 PM

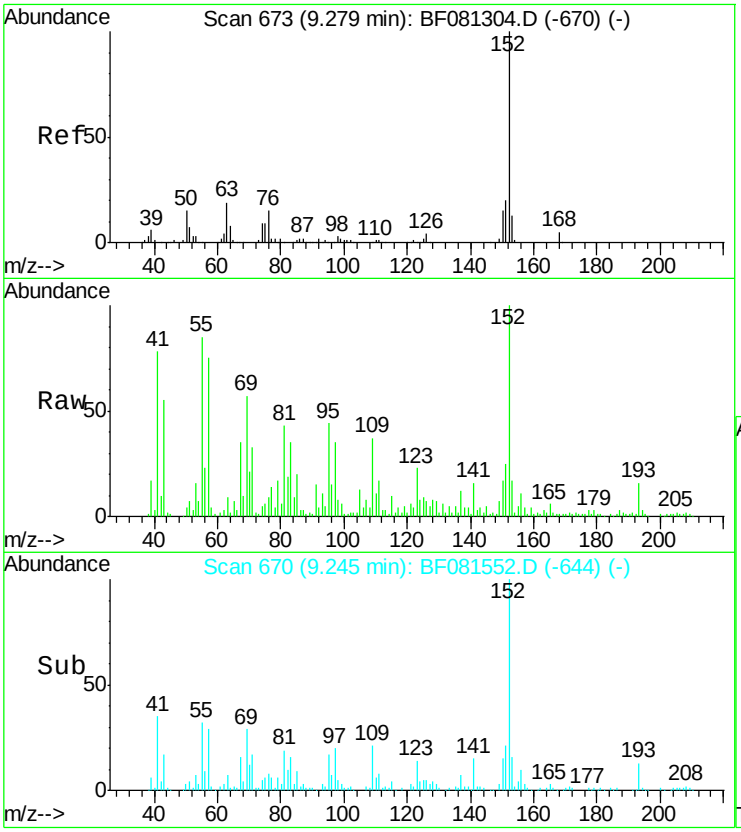


#44
2-Fluorobiphenyl
Concen: 43.62 ng
RT: 8.72 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:172 Resp: 266393

Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	24.2	17.4	26.2

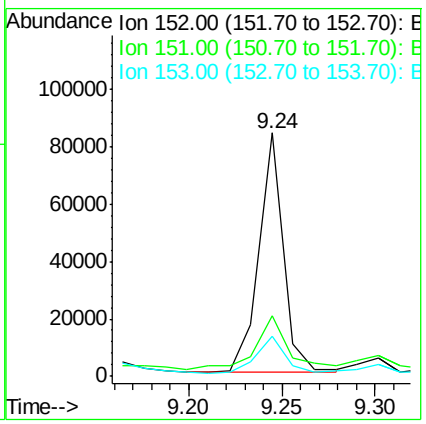




#48
Acenaphthylene
Concen: 8.26 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:152 Resp: 76171

Ion	Ratio	Lower	Upper
152	100		
151	25.1	14.6	22.0#
153	16.7	10.3	15.5#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

Manual Integrations APPROVED
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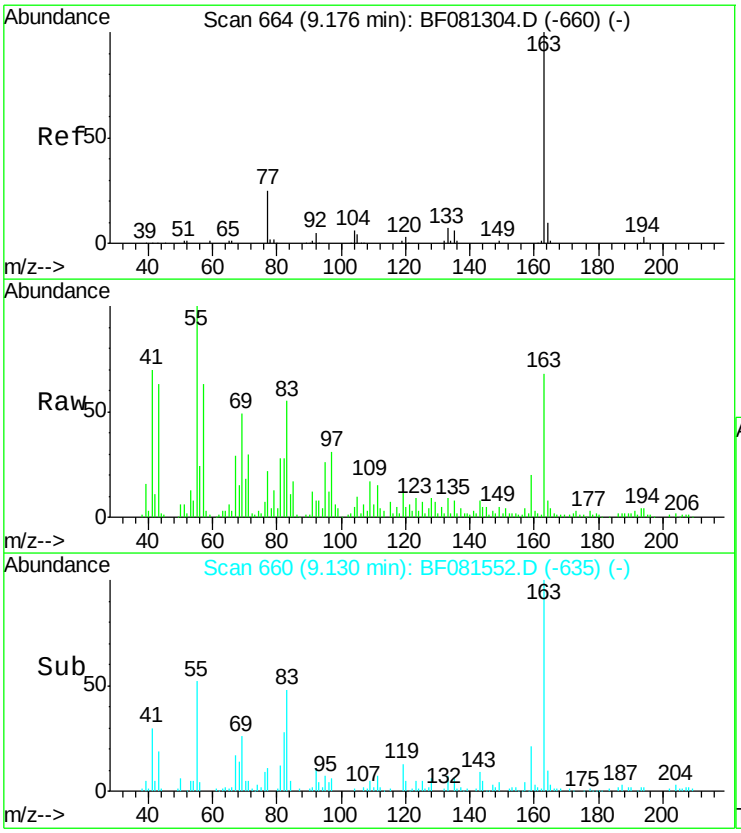
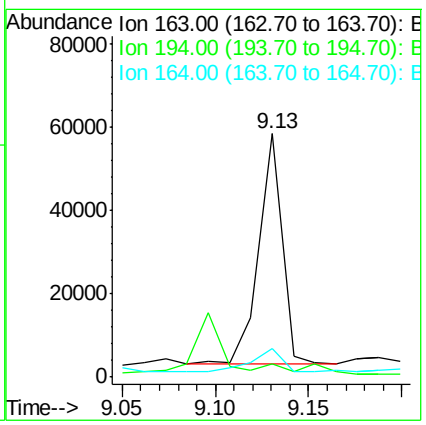
9/9/2015 3:00:19 PM

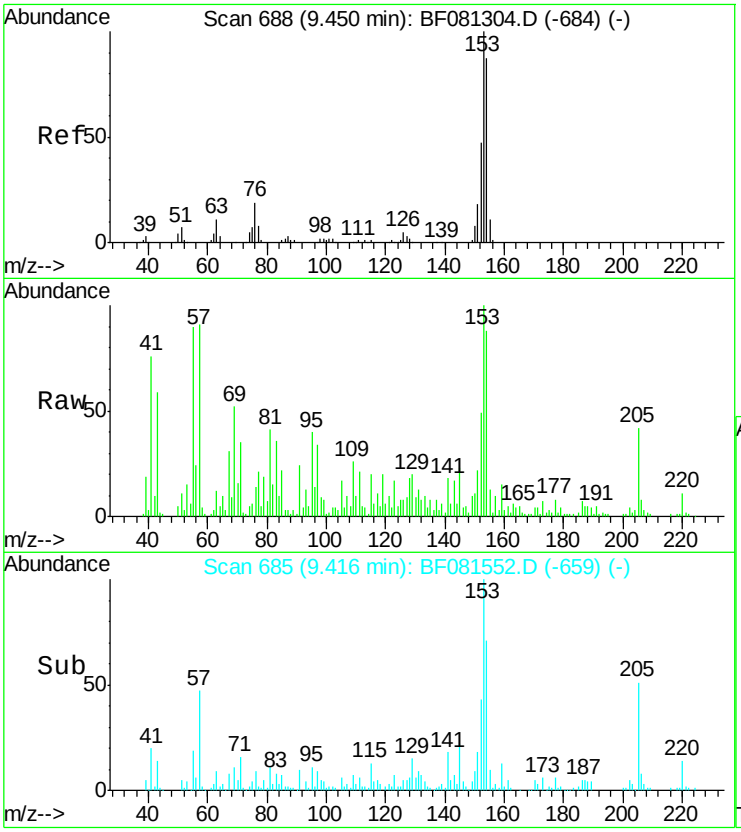


#49
Dimethylphthalate
Concen: 7.94 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:163 Resp: 48261

Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.4	6.6
164	11.8	8.3	12.5

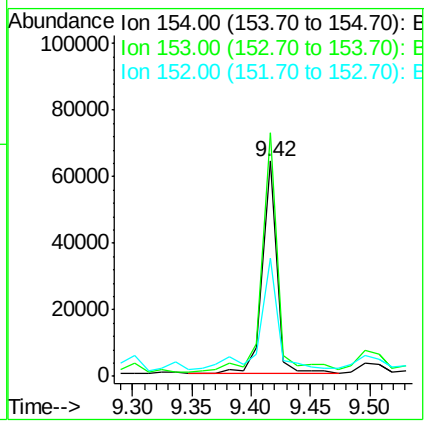




#51
Acenaphthene
Concen: 10.47 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

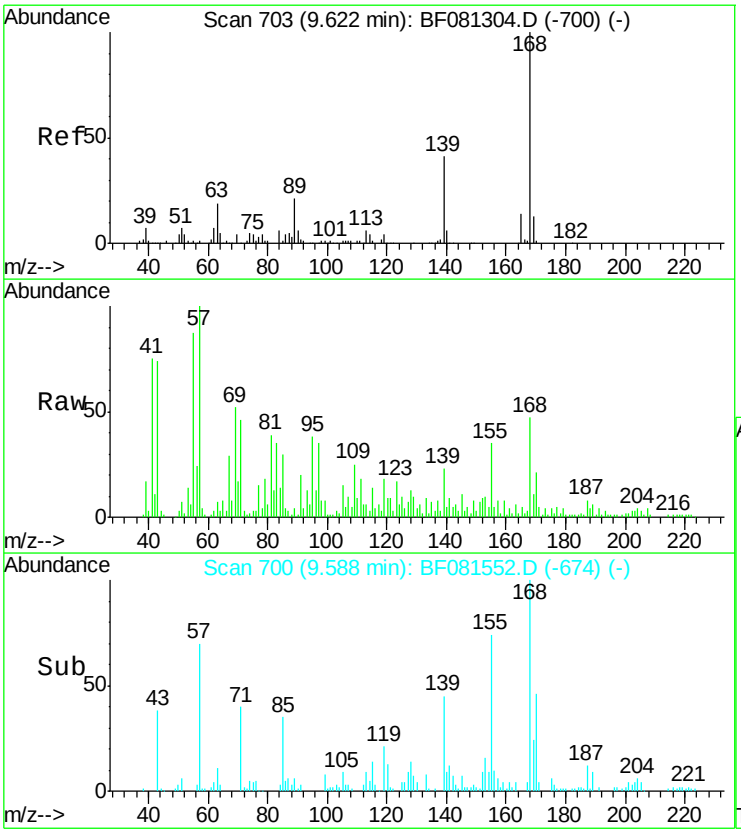
Tgt Ion:154 Resp: 54942

Ion	Ratio	Lower	Upper
154	100		
153	113.3	82.1	123.1
152	55.0	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

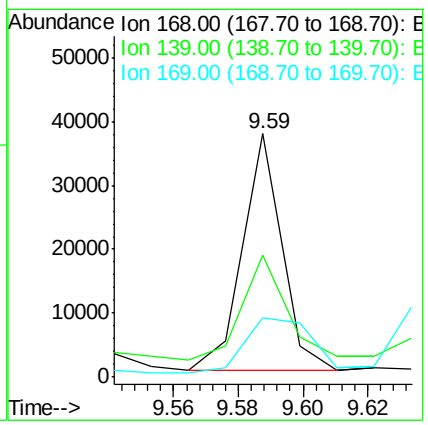
Manual Integrations APPROVED
MMDadoda
9/9/2015 3:00:19 PM

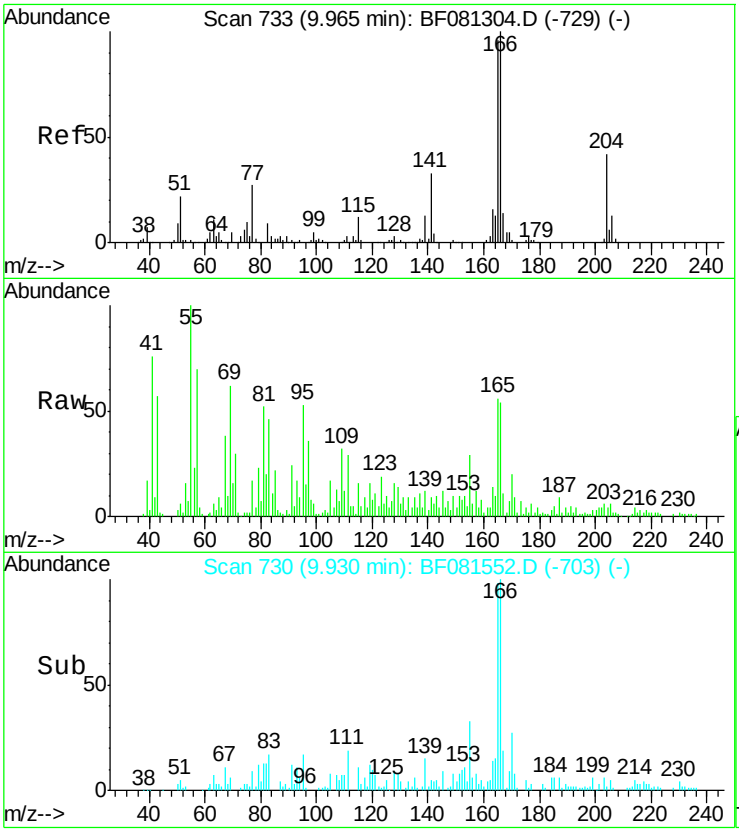


#54
Dibenzofuran
Concen: 4.09 ng m
RT: 9.59 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:168 Resp: 31309

Ion	Ratio	Lower	Upper
168	100		
139	50.1	24.2	36.2#
169	24.3	10.6	15.8#

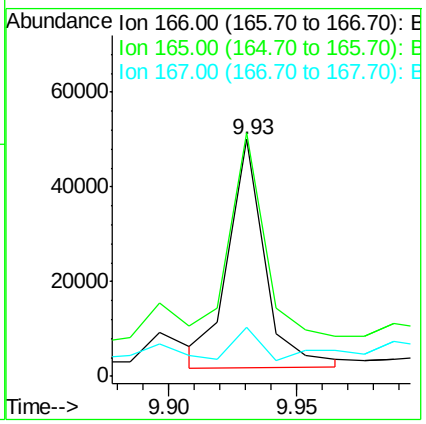




#57
Fluorene
Concen: 8.16 ng m
RT: 9.93 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:166 Resp: 47442

Ion	Ratio	Lower	Upper
166	100		
165	102.9	72.6	109.0
167	20.8	10.6	16.0#



Instrument :
BNA_F
ClientSampleId :
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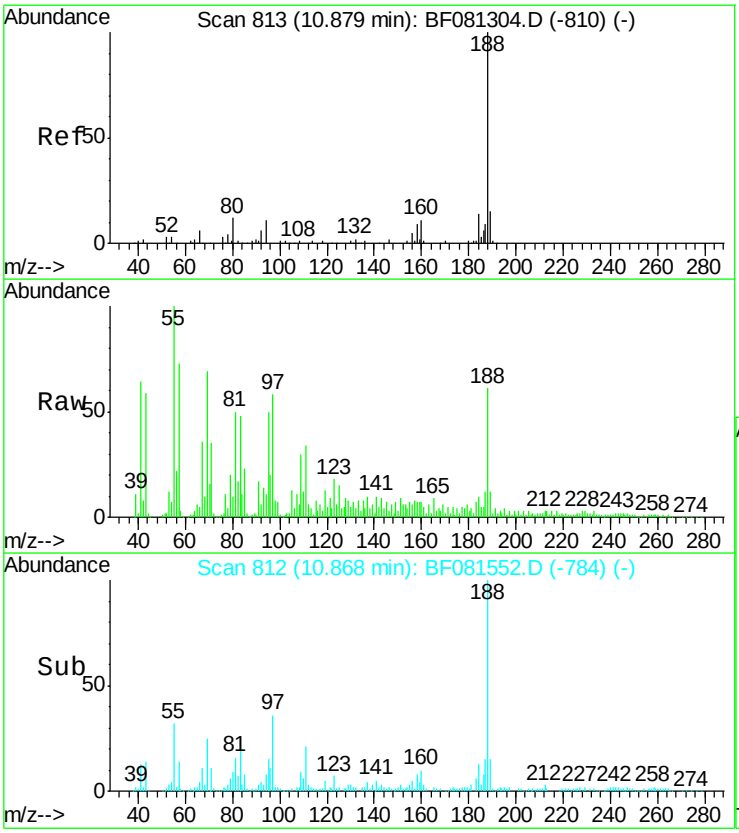
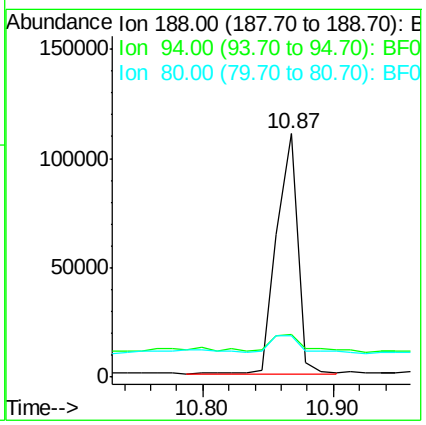
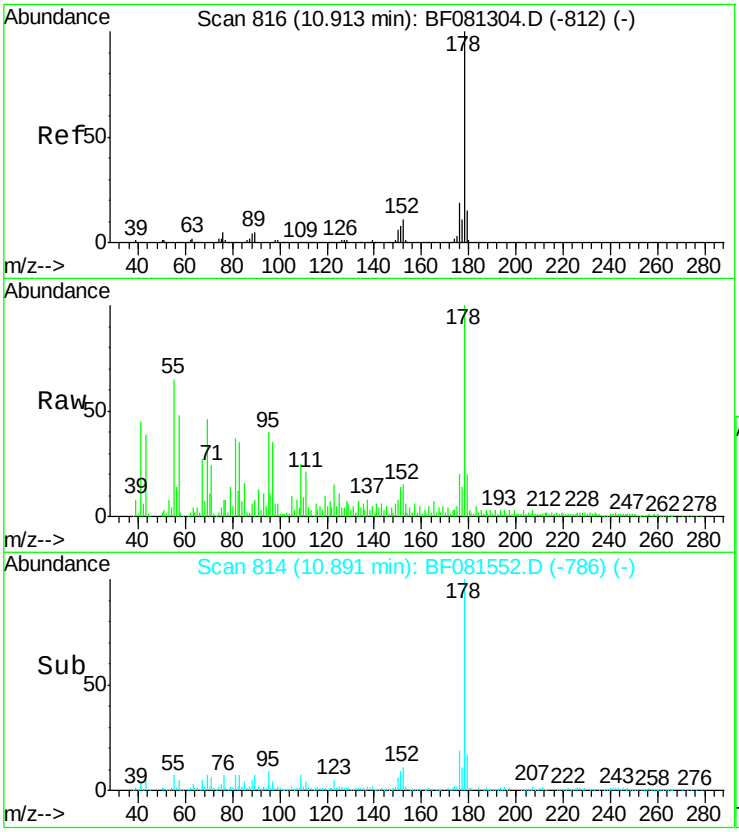


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.87 min Scan# 812
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:188 Resp: 126286

Ion	Ratio	Lower	Upper
188	100		
94	17.7	11.1	16.7#
80	17.1	11.0	16.4#

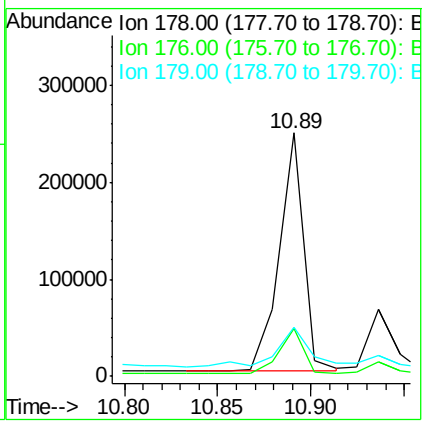




#70
Phenanthrene
Concen: 31.67 ng
RT: 10.89 min Scan# 814
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:178 Resp: 222355

Ion	Ratio	Lower	Upper
178	100		
176	19.7	13.8	20.8
179	20.0	12.2	18.2#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

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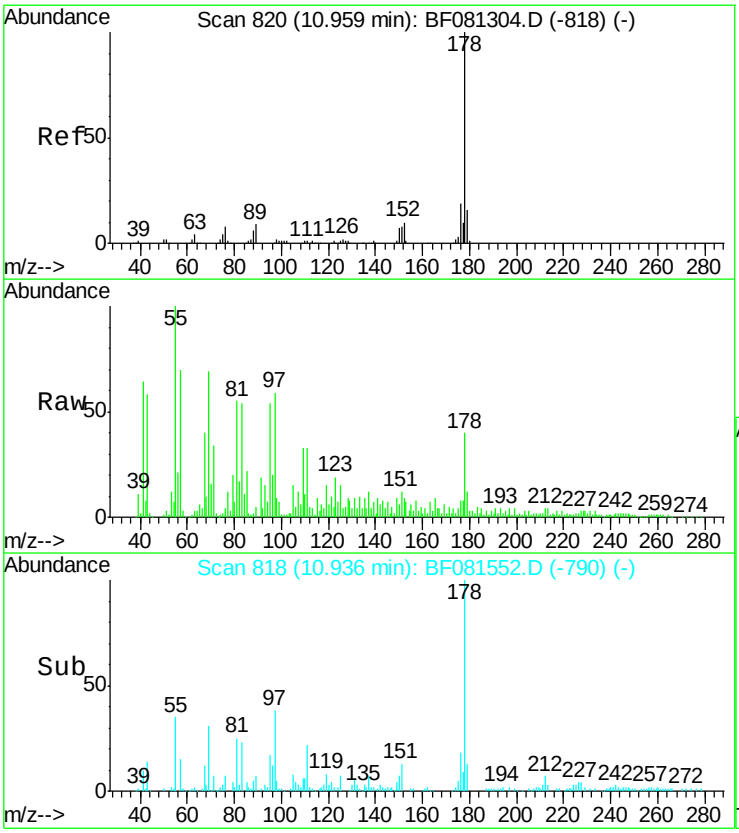
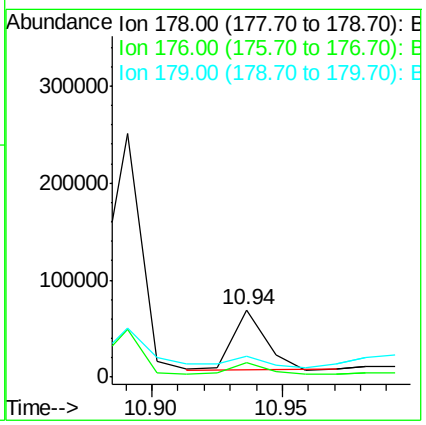
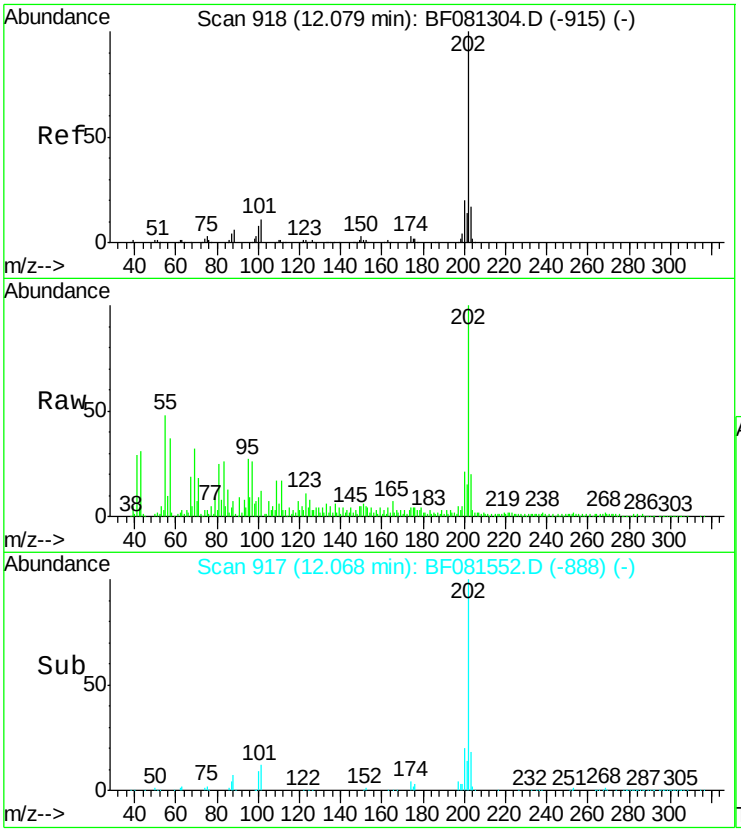


#71
Anthracene
Concen: 7.32 ng
RT: 10.94 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:178 Resp: 52803

Ion	Ratio	Lower	Upper
178	100		
176	20.9	14.1	21.1
179	31.3	12.2	18.2#





#74
Fluoranthene
Concen: 40.80 ng
RT: 12.07 min Scan# 917
Delta R.T. 0.03 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:202 Resp: 310086

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	38.3
203	20.1	0.0	37.3

Instrument :
BNA_F
ClientSampleId :
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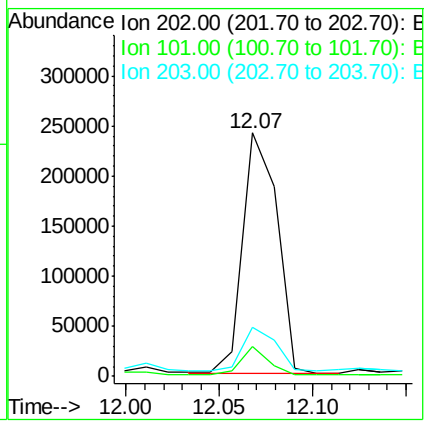
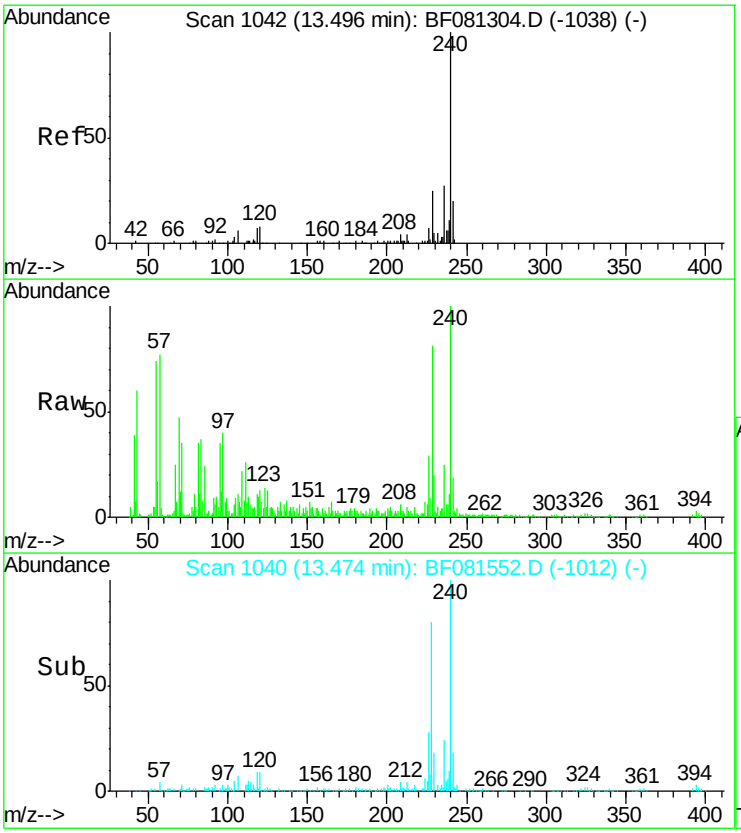
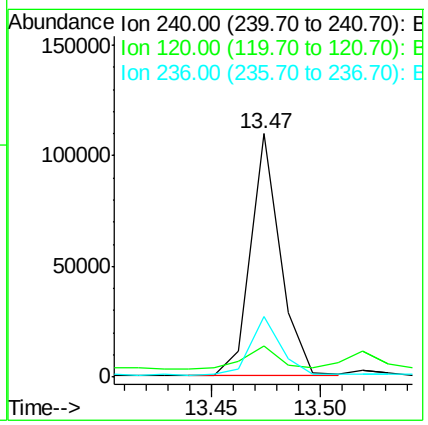


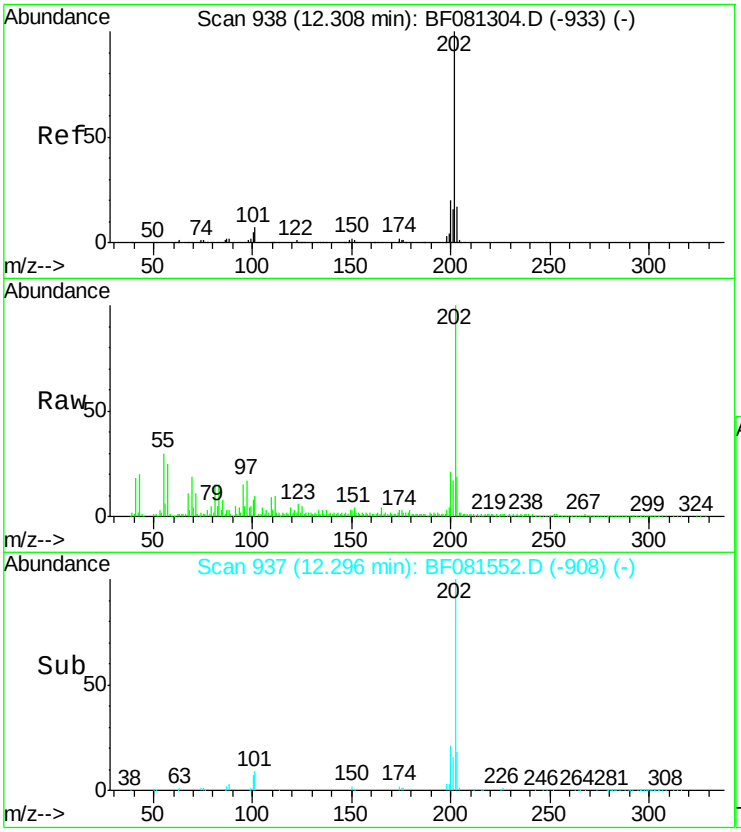


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.47 min Scan# 1040
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:240 Resp: 103555

Ion	Ratio	Lower	Upper
240	100		
120	12.7	16.2	24.2#
236	24.9	18.4	27.6

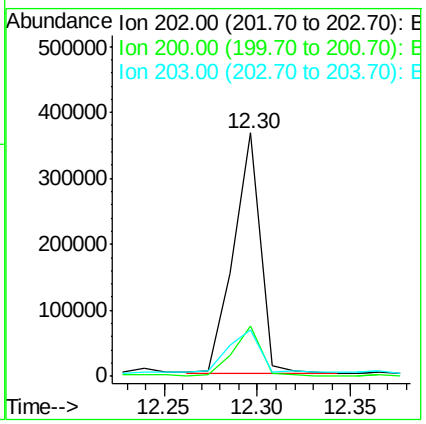




#77
Pyrene
Concen: 48.27 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.03 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:202 Resp: 370275

Ion	Ratio	Lower	Upper
202	100		
200	20.7	15.0	22.4
203	19.3	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

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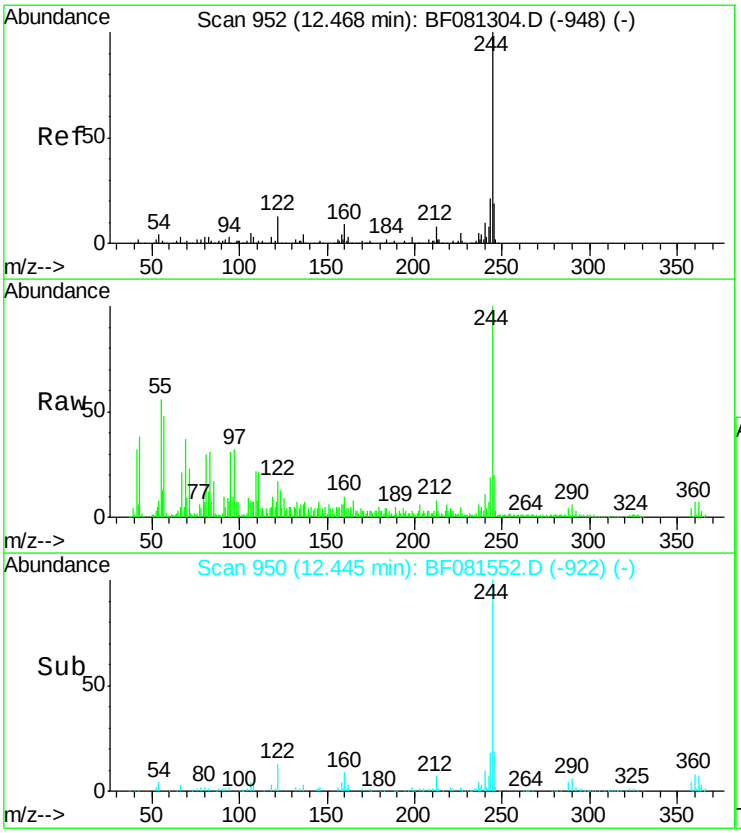
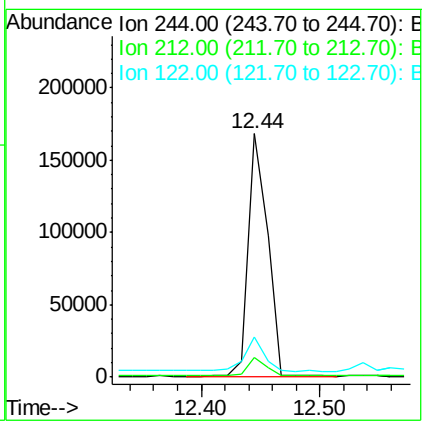
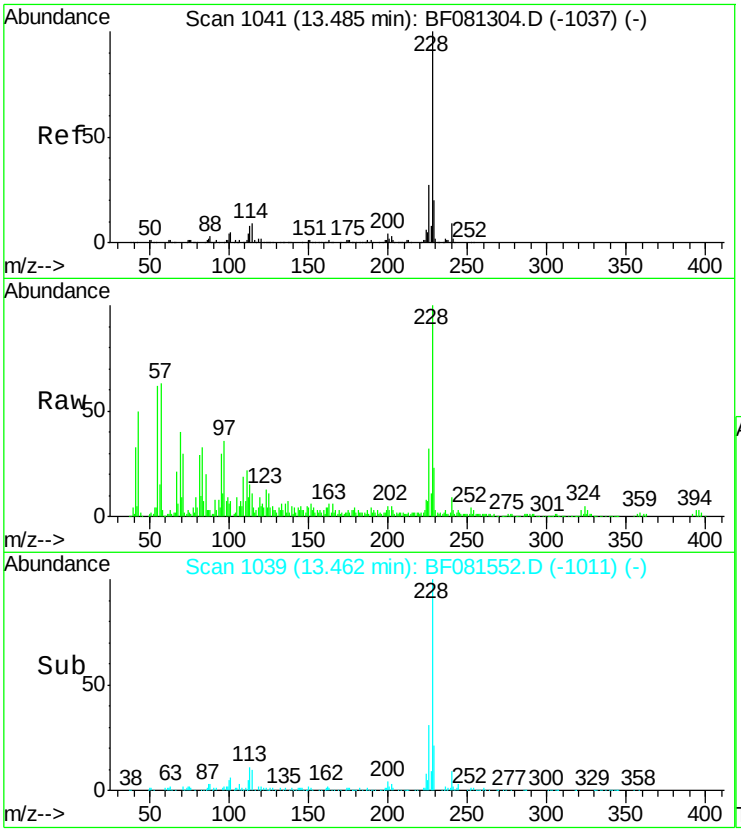


#78
Terphenyl-d14
Concen: 42.73 ng
RT: 12.44 min Scan# 950
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:244 Resp: 190082

Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	16.6	17.4	26.2#





#80
Benzo(a)anthracene
Concen: 29.61 ng
RT: 13.46 min Scan# 1039
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:228 Resp: 195242

Ion	Ratio	Lower	Upper
228	100		
226	32.2	20.0	30.0#
229	22.9	15.4	23.2

Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

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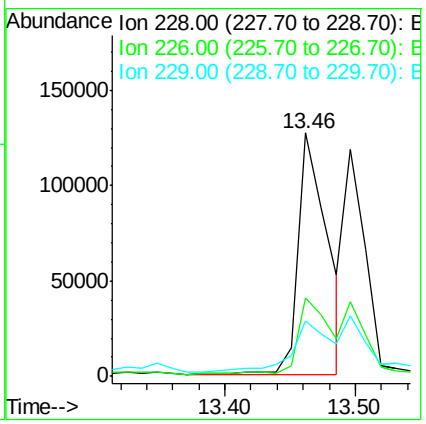
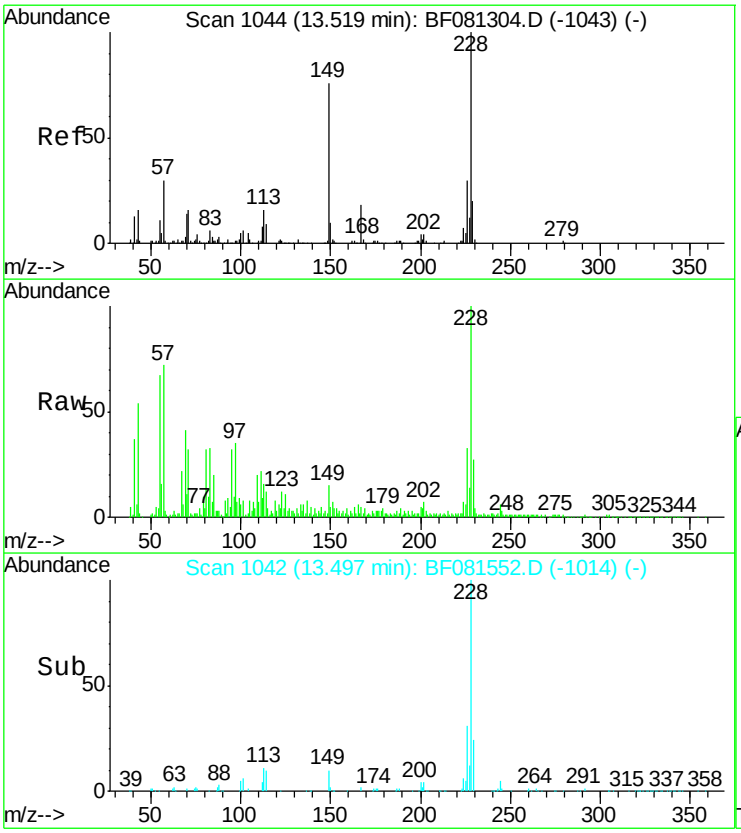
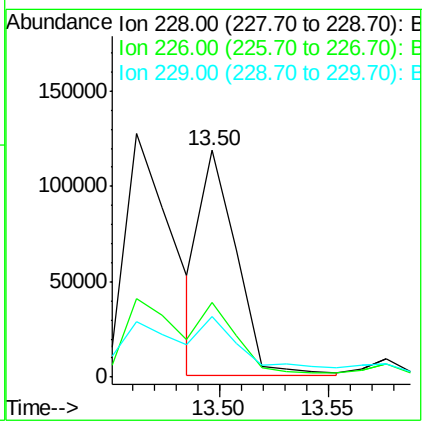


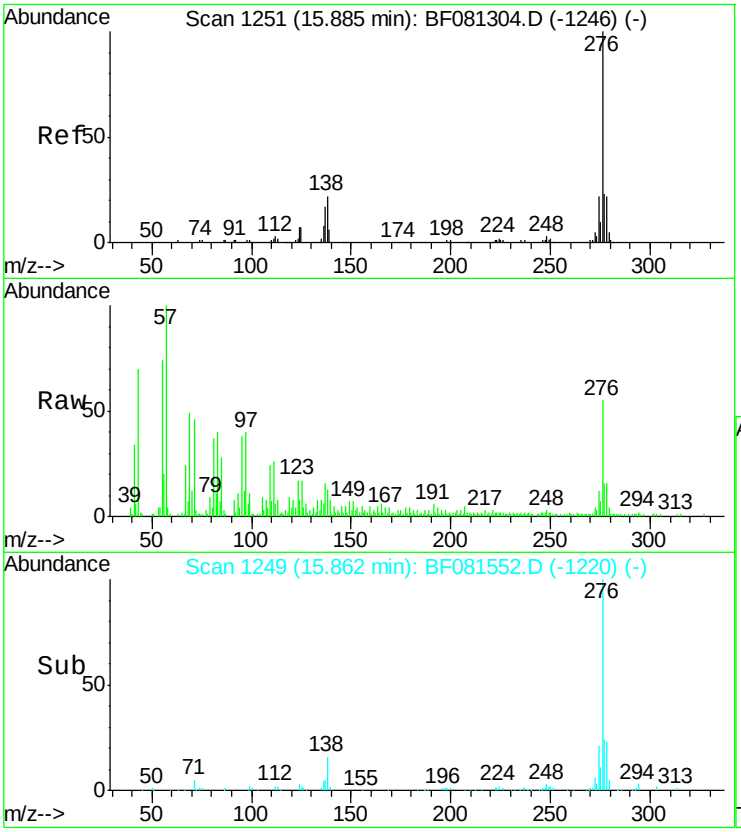


#82
Chrysene
Concen: 22.46 ng m
RT: 13.50 min Scan# 1042
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:228 Resp: 132750

Ion	Ratio	Lower	Upper
228	100		
226	32.9	21.0	31.4#
229	26.9	15.6	23.4#





#85
Indeno(1,2,3-cd)pyrene
Concen: 11.94 ng
RT: 15.86 min Scan# 1249
Delta R.T. 0.03 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:276 Resp: 51799

Ion	Ratio	Lower	Upper
276	100		
138	17.9	25.7	38.5#
277	26.5	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8DL

Manual Integrations APPROVED
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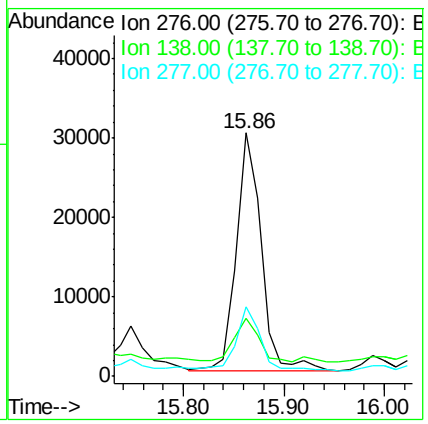
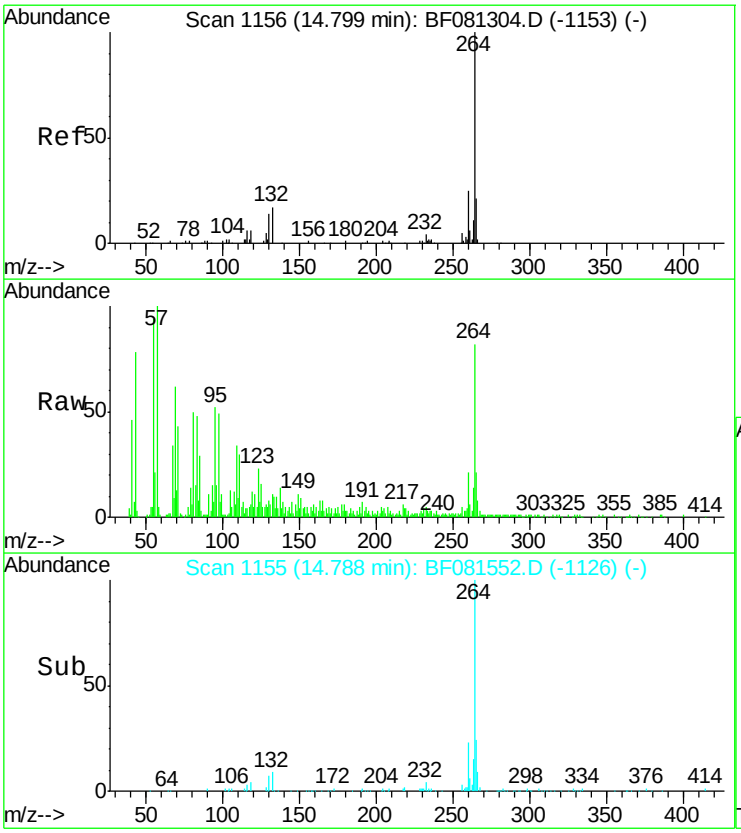
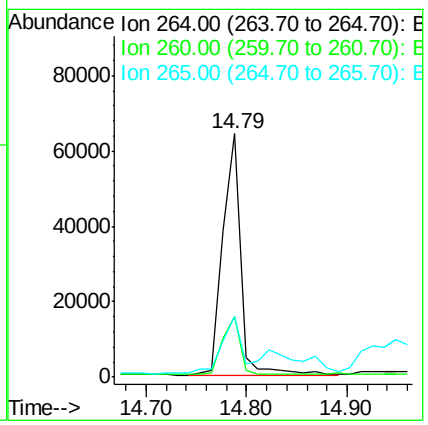


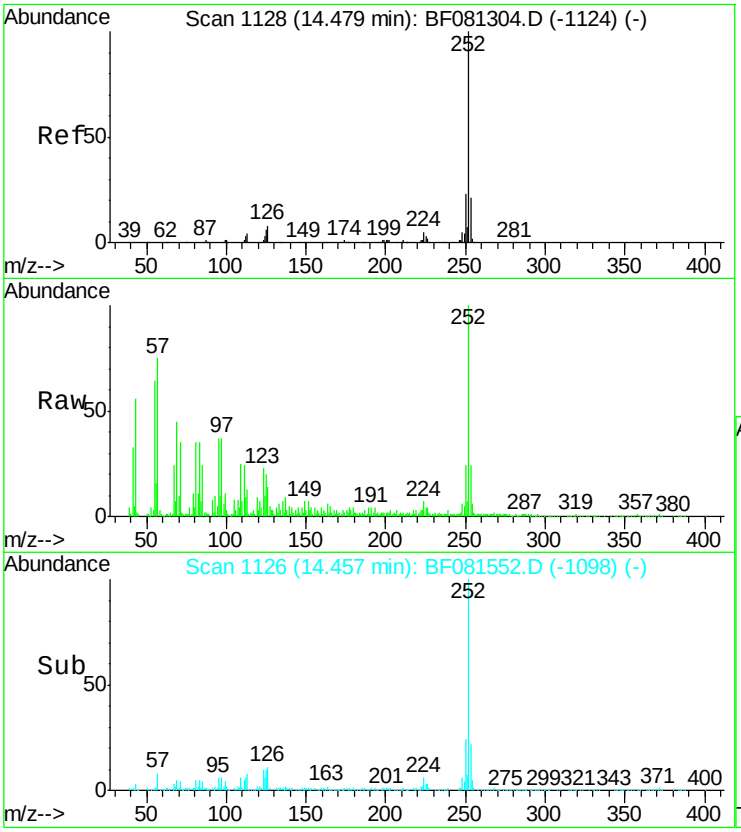


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.79 min Scan# 1155
Delta R.T. 0.03 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:264 Resp: 78939

Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	25.1	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 28.06 ng m
RT: 14.46 min Scan# 1126
Delta R.T. 0.02 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:252 Resp: 158131

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	20.3	17.1	25.7

Instrument :
BNA_F
ClientSampleId :
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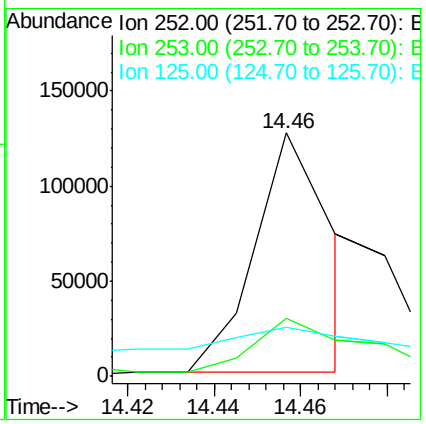
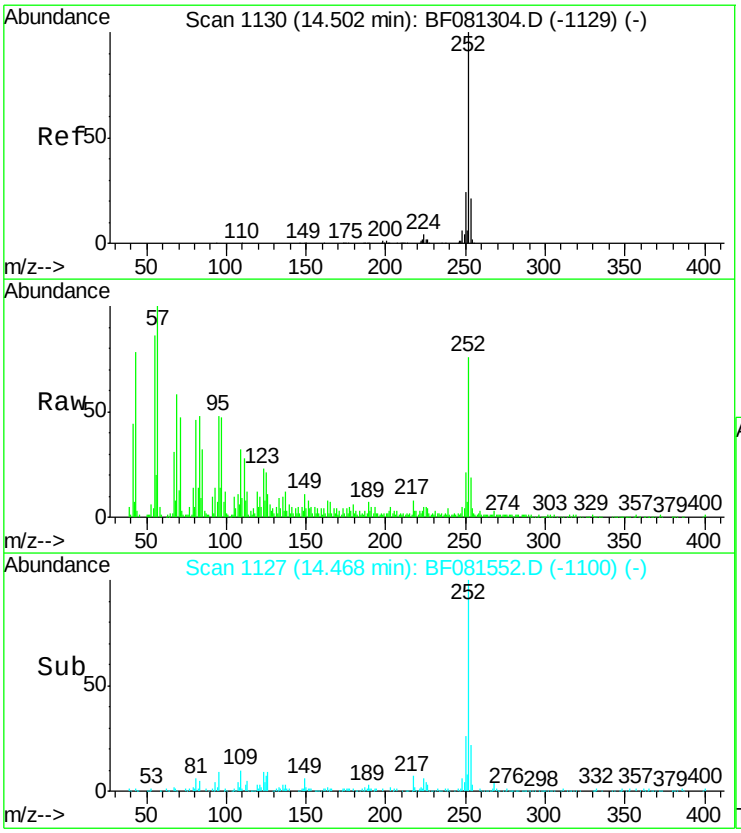
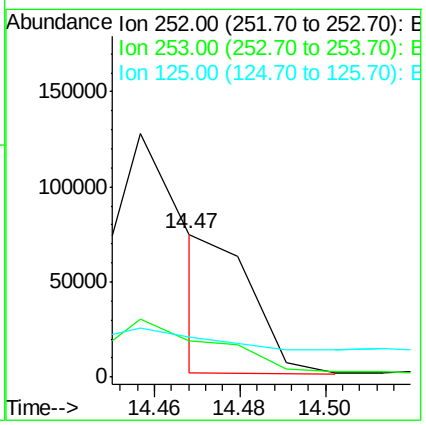


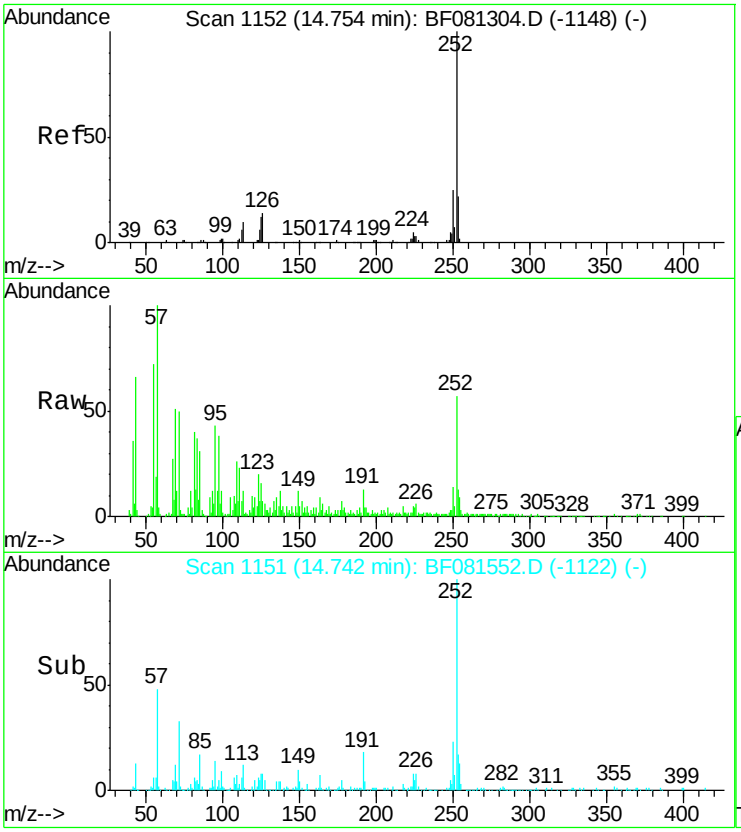


#88
Benzo(k)fluoranthene
Concen: 10.08 ng m
RT: 14.47 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:252 Resp: 47138

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.4
125	27.8	16.0	24.0#





#89
Benzo(a)pyrene
Concen: 19.12 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.03 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:252 Resp: 91301

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	27.1	18.0	27.0#

Instrument :
BNA_F
ClientSampleId :
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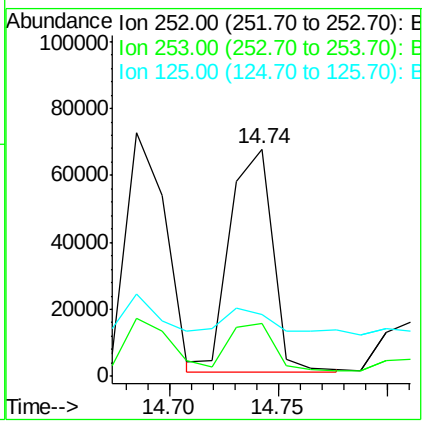
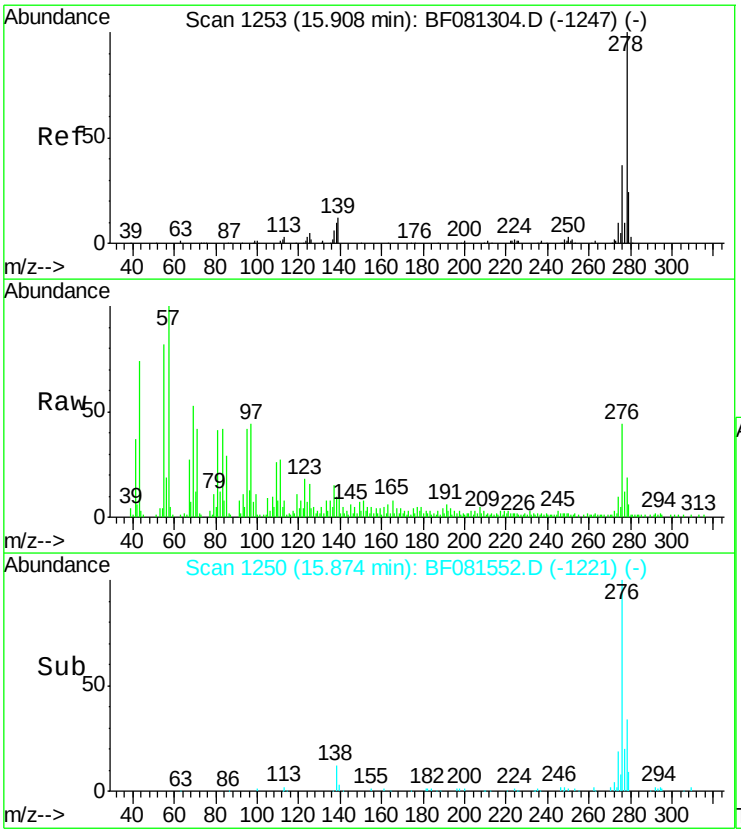
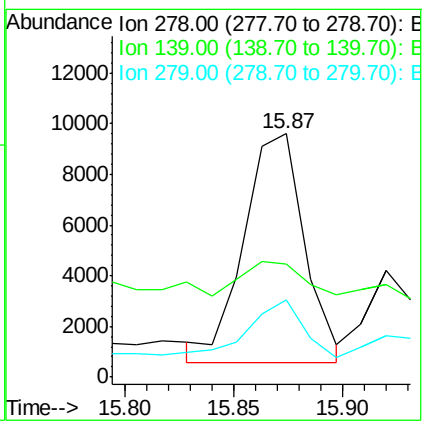


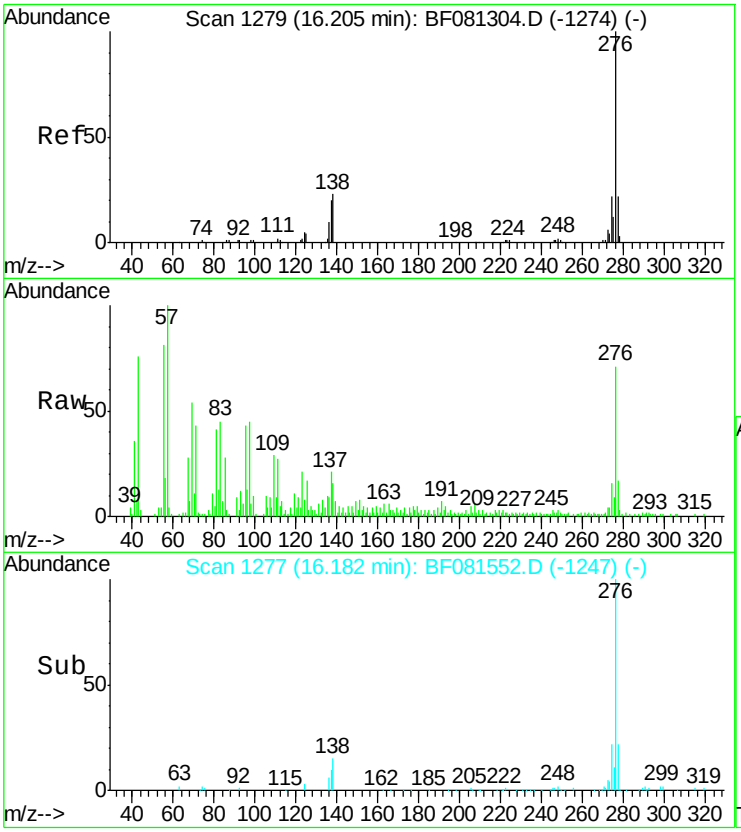


#90
Dibenzo(a,h)anthracene
Concen: 4.75 ng
RT: 15.87 min Scan# 1250
Delta R.T. 0.03 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:278 Resp: 17540

Ion	Ratio	Lower	Upper
278	100		
139	46.5	26.3	39.5#
279	31.9	18.2	27.4#

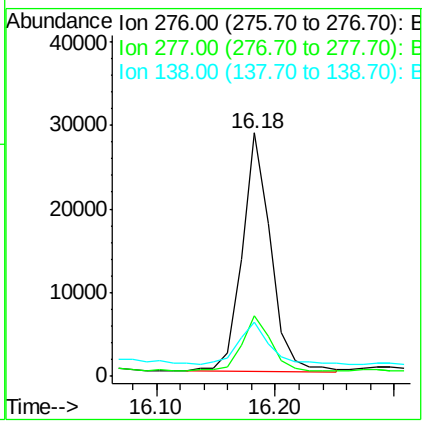




#91
Benzo(g,h,i)perylene
Concen: 13.64 ng
RT: 16.18 min Scan# 1277
Delta R.T. 0.05 min
Lab File: BF081552.D
Acq: 9 Sep 2015 8:17

Tgt Ion:276 Resp: 48045

Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.8	26.6
138	22.3	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
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