Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114354.D
Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Manual Integrations APPROVED
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5/21/2019 2:16:02 PM

Quant Time: May 18 07:26:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	246211	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	849300	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	335504	20.00	ng		0.00
64) Phenanthrene-d10	11.38	188	545189	20.00	ng		0.01
76) Chrysene-d12	14.06	240	348847	20.00	ng		0.04
87) Perylene-d12	15.57	264	356086	20.00	ng		0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	695343	45.45	ng		0.00
7) Phenol-d6	6.49	99	942188	52.07	ng		0.00
23) Nitrobenzene-d5	7.40	82	517541	34.20	ng		-0.01
42) 2,4,6-Tribromophenol	10.69	330	128158	36.95	ng		0.01
45) 2-Fluorobiphenyl	9.20	172	792546	35.73	ng		0.00
79) Terphenyl-d14	12.97	244	548179	32.39	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	8.15	128	393183	9.911	ng		97
37) 2-Methylnaphthalene	8.85	142	1071451	41.860	ng		97
38) 1-Methylnaphthalene	8.95	142	767625	31.846	ng		100
50) Dimethylphthalate	9.60	163	109373	4.441	ng	#	70
52) Acenaphthene	9.93	154	538850	26.468	ng		95
58) Fluorene	10.44	166	596553	25.871	ng	#	97
71) Phenanthrene	11.42	178	3012723	113.584	ng		98
72) Anthracene	11.46	178	1312235	49.256	ng		98
75) Fluoranthene	12.62	202	3570978	125.021	ng		98
78) Pyrene	12.85	202	3119286	111.153	ng		97
81) Benzo(a)anthracene	14.04	228	1405750	62.303	ng		95
83) Chrysene	14.09	228	1134866	51.309	ng		97
86) Indeno(1,2,3-cd)pyrene	17.06	276	284690	14.564	ng		96
88) Benzo(b)fluoranthene	15.13	252	1079103m	47.302	ng		
89) Benzo(k)fluoranthene	15.16	252	327538m	15.630	ng		
90) Benzo(a)pyrene	15.51	252	701814	34.956	ng	#	90
91) Dibenzo(a,h)anthracene	17.06	278	88241	5.289	ng	#	56
92) Benzo(g,h,i)perylene	17.52	276	248969	14.891	ng	#	93

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114354.D
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Misc :
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QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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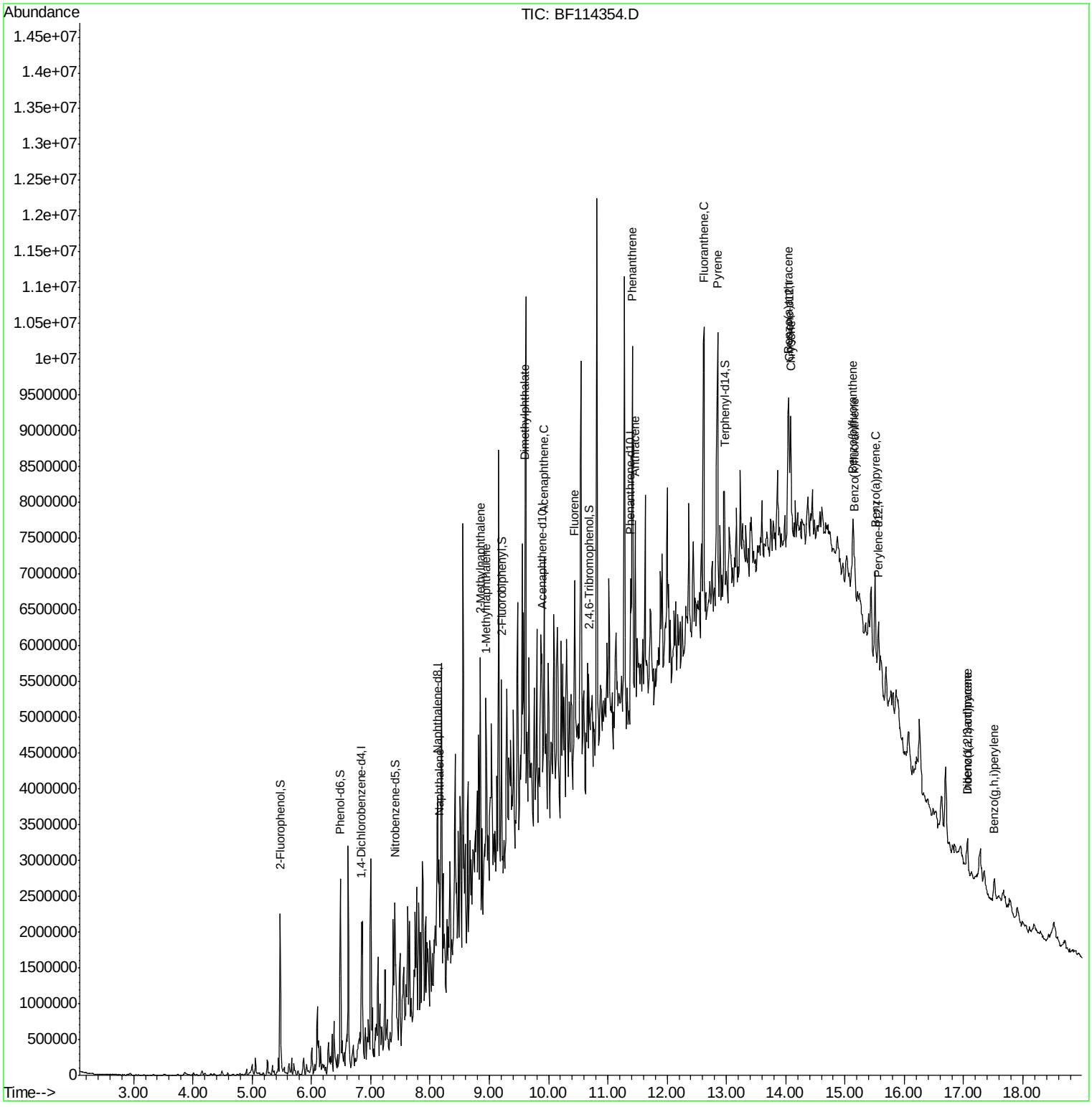
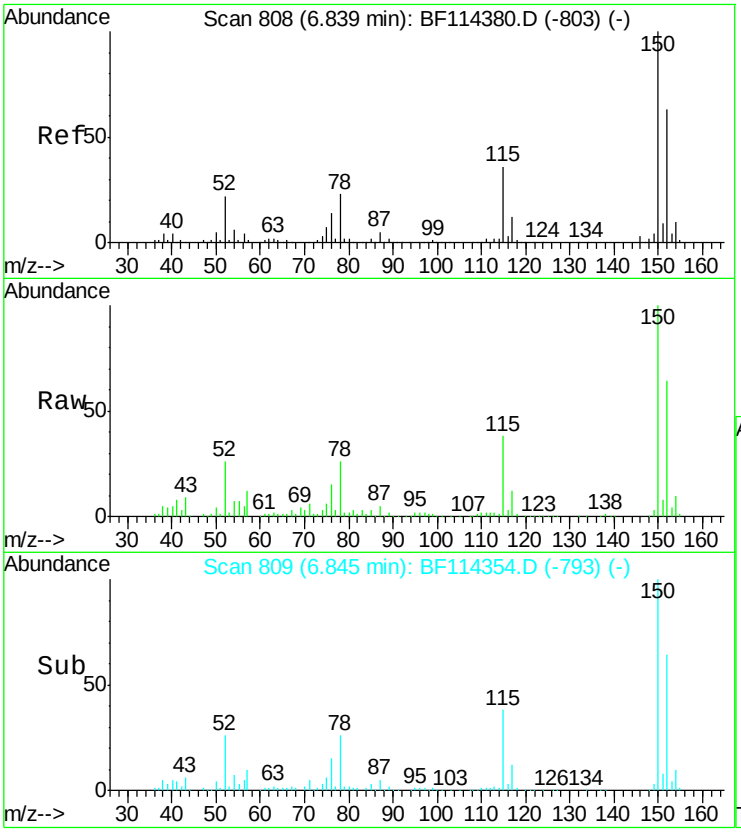
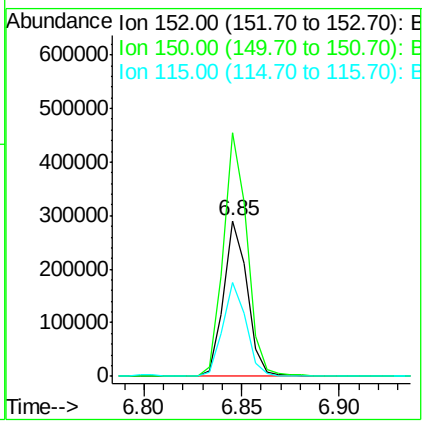




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:152 Resp: 246211

Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.3	186.5
115	60.2	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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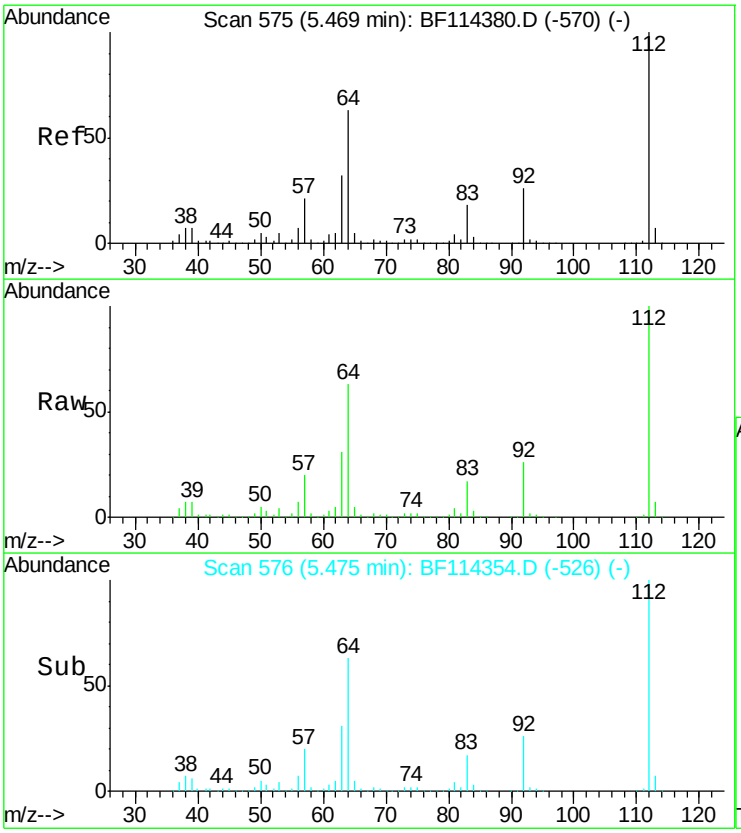
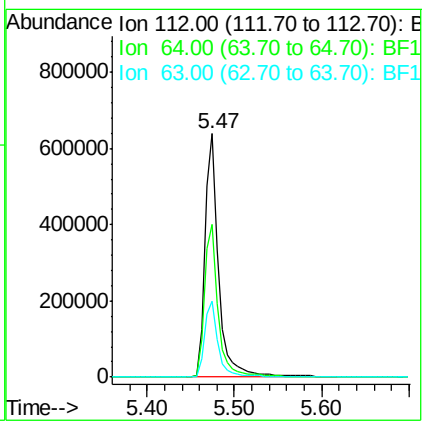
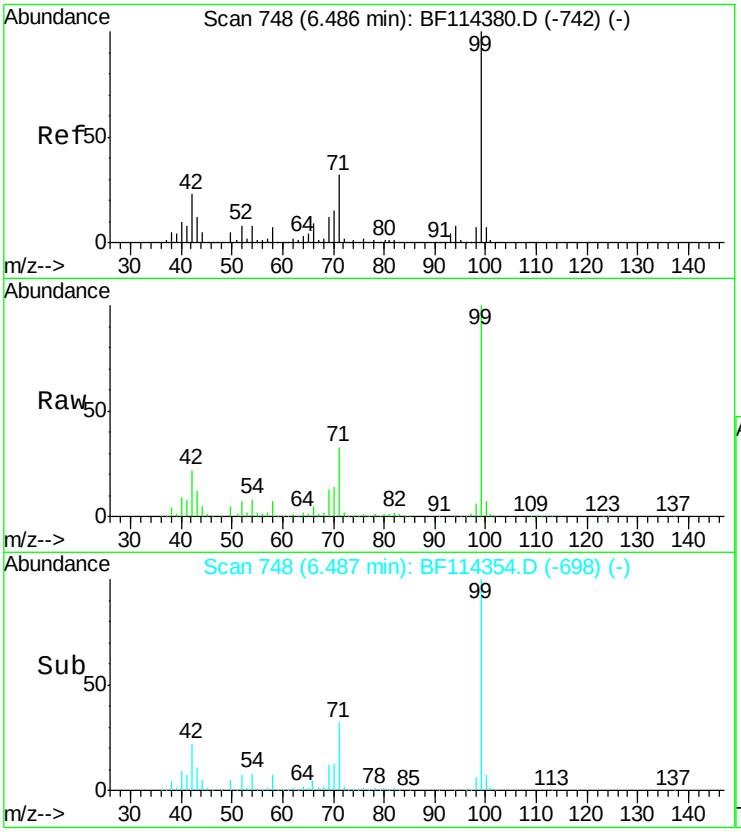


#5
2-Fluorophenol
Concen: 45.448 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:112 Resp: 695343

Ion	Ratio	Lower	Upper
112	100		
64	62.5	49.0	73.6
63	31.2	24.6	37.0

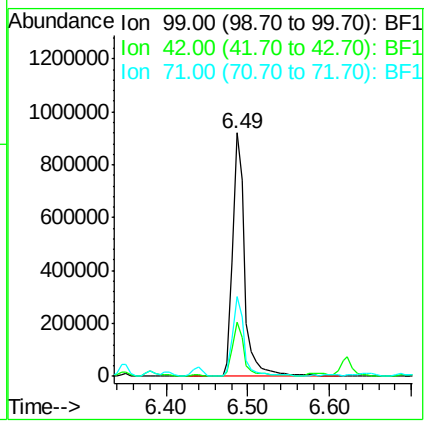




#7
Phenol-d6
Concen: 52.068 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion: 99 Resp: 942188

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.9	26.9
71	32.7	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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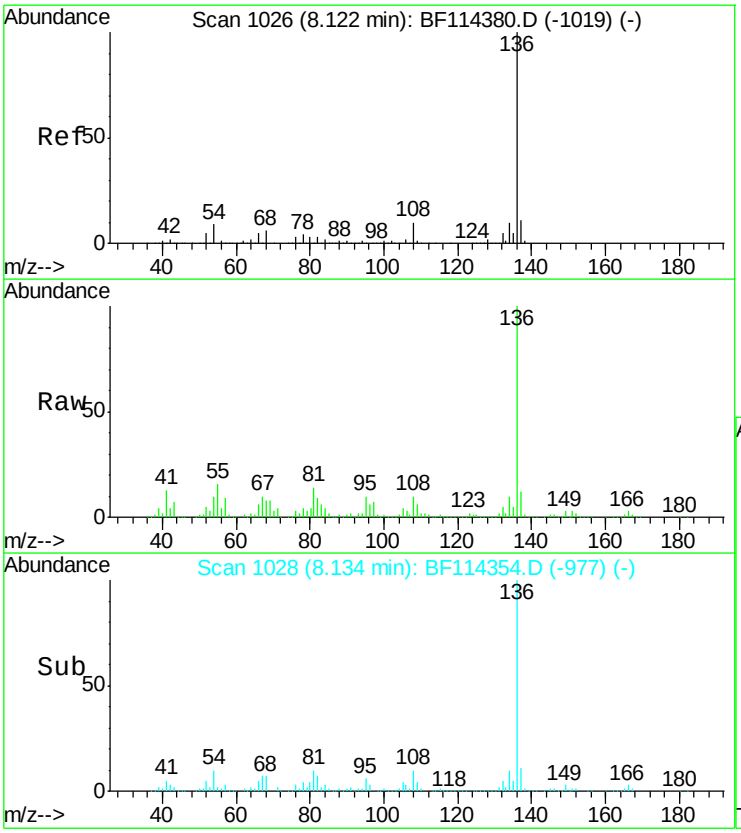
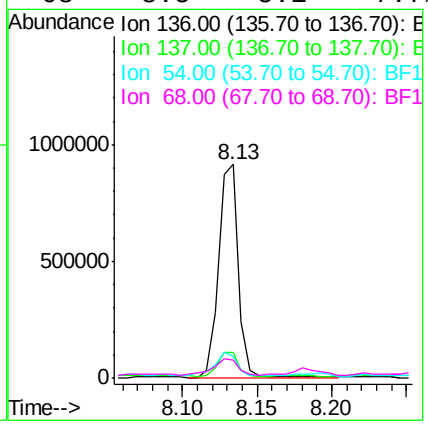
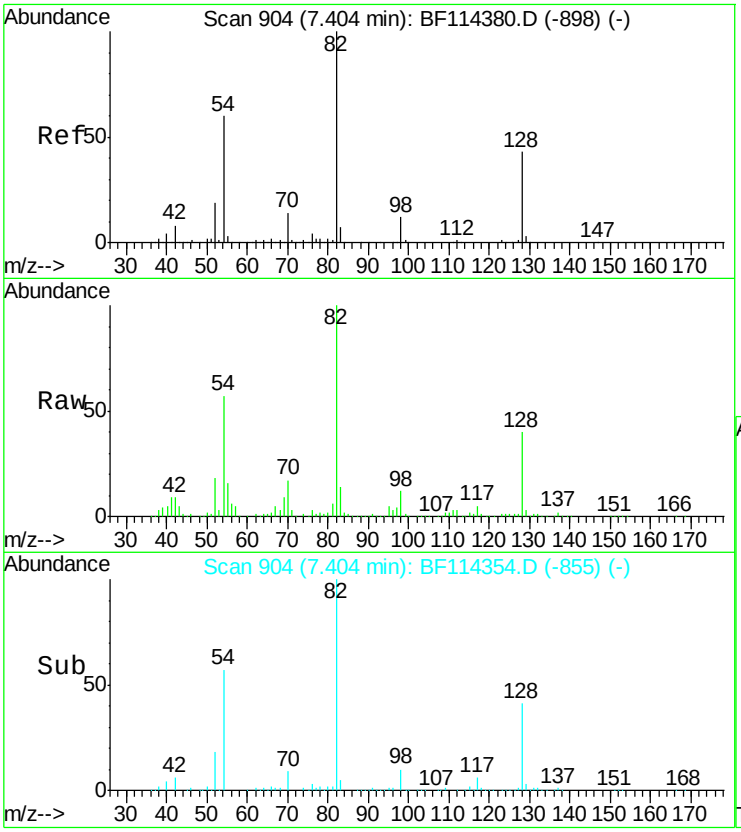


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:136 Resp: 849300

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	10.4	7.8	11.8
68	8.5	5.1	7.7#

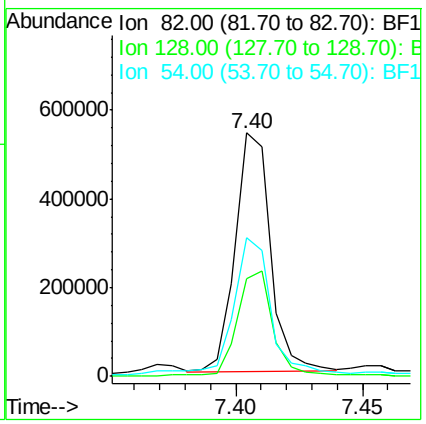




#23
Nitrobenzene-d5
Concen: 34.198 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion: 82 Resp: 517541

Ion	Ratio	Lower	Upper
82	100		
128	40.3	35.5	53.3
54	57.0	48.5	72.7



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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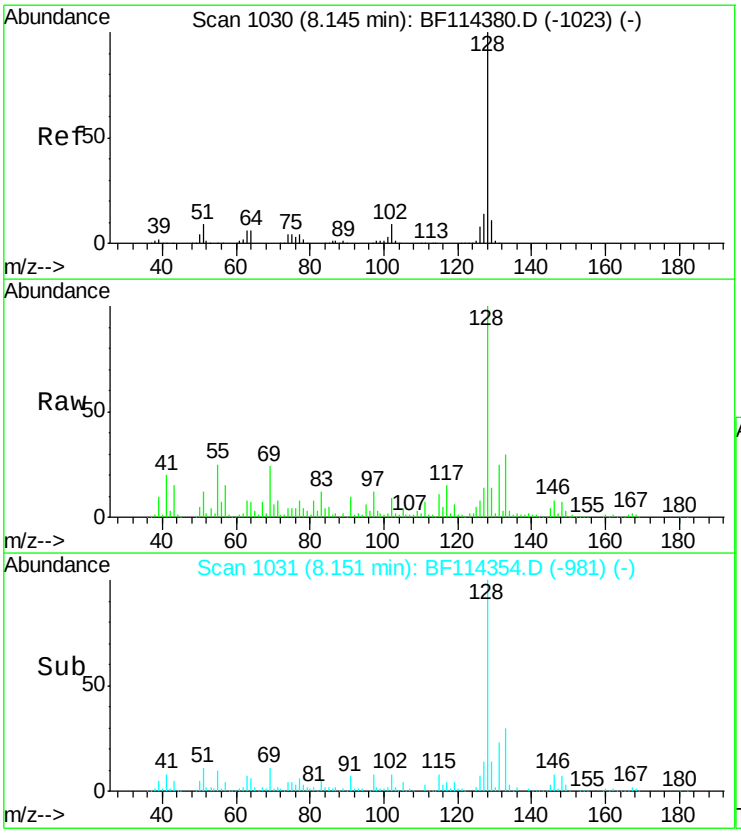
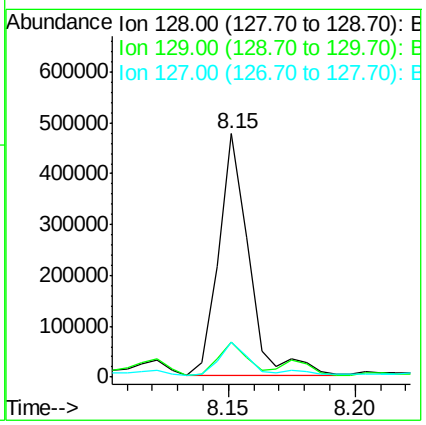
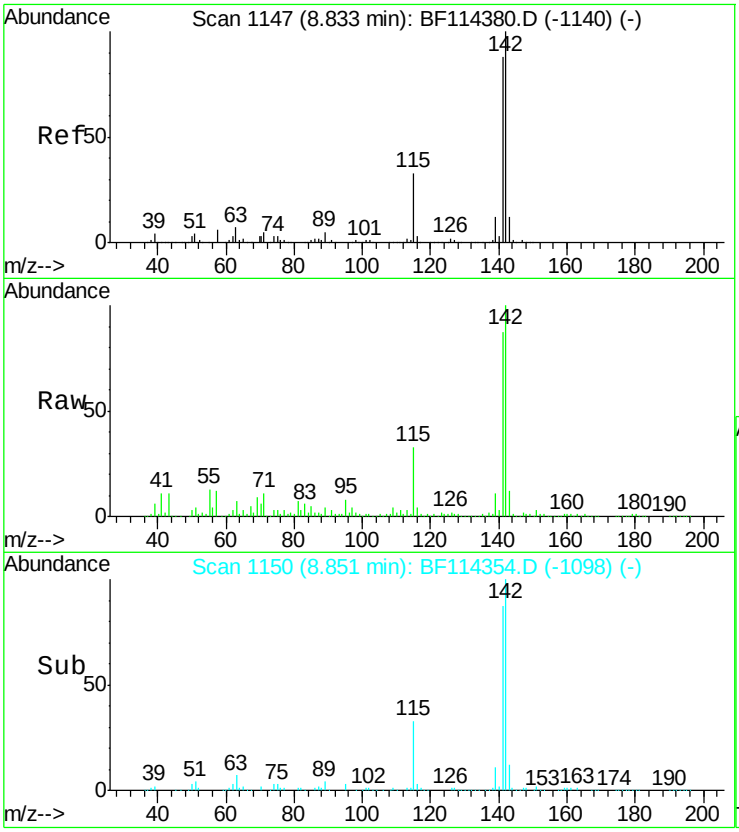


#31
Naphthalene
Concen: 9.911 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:128 Resp: 393183

Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.6	14.4
127	14.2	11.3	16.9

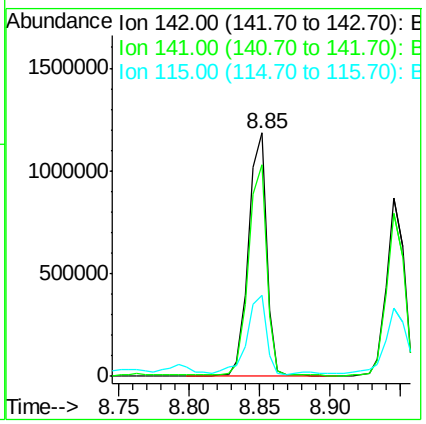




#37
2-Methylnaphthalene
Concen: 41.860 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:142 Resp: 1071451

Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.1	108.1
115	33.1	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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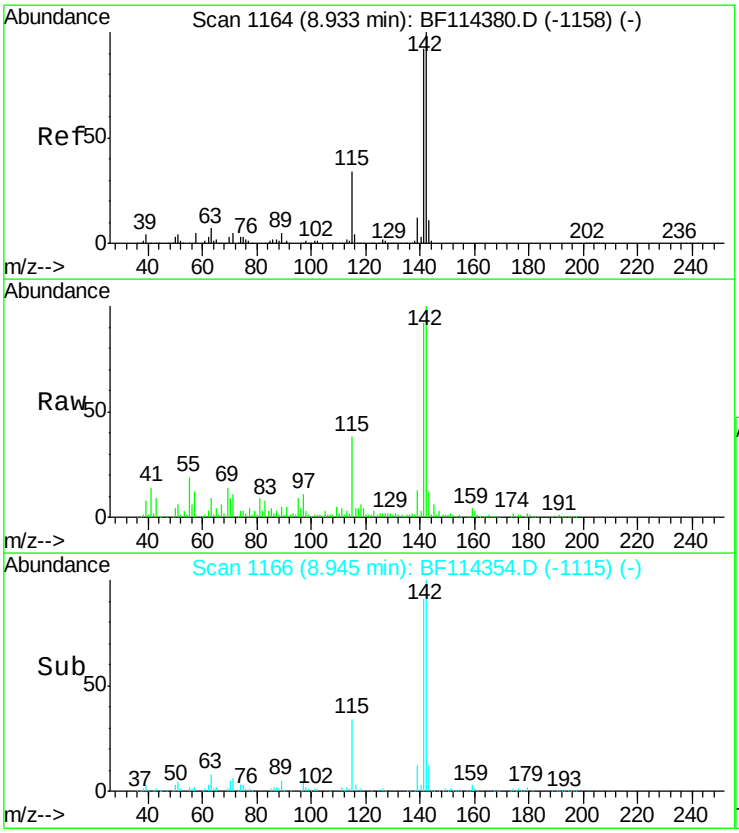
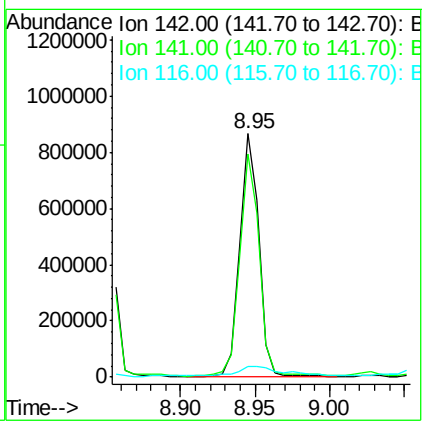
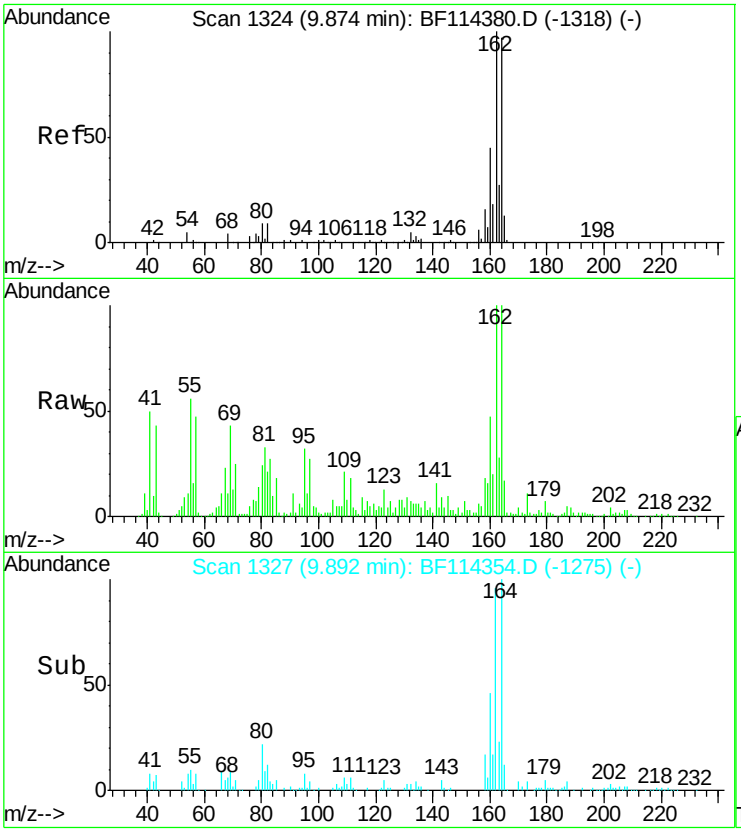


#38
1-Methylnaphthalene
Concen: 31.846 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:142 Resp: 767625

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.0
116	4.5	3.1	4.7

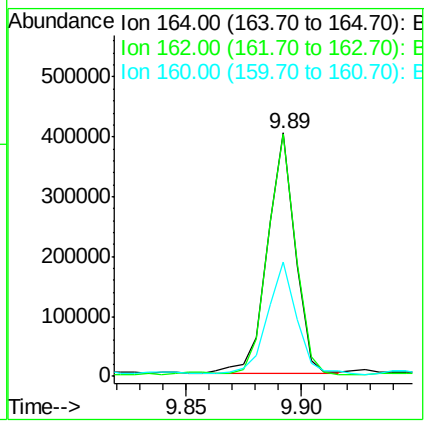




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:164 Resp: 335504

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	120.8
160	47.0	36.5	54.7



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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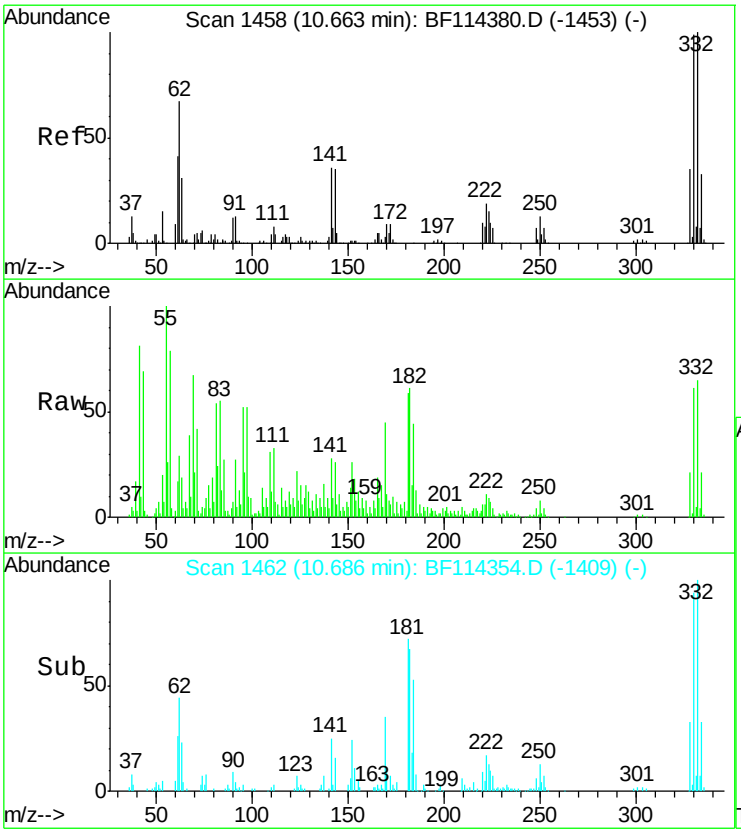
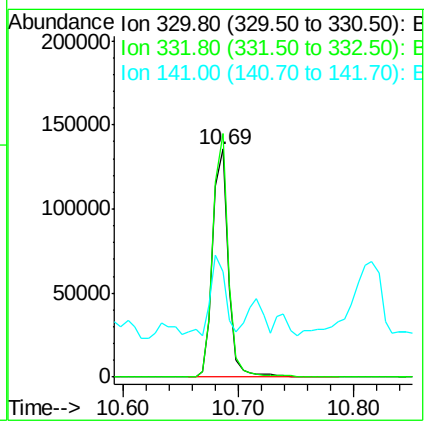
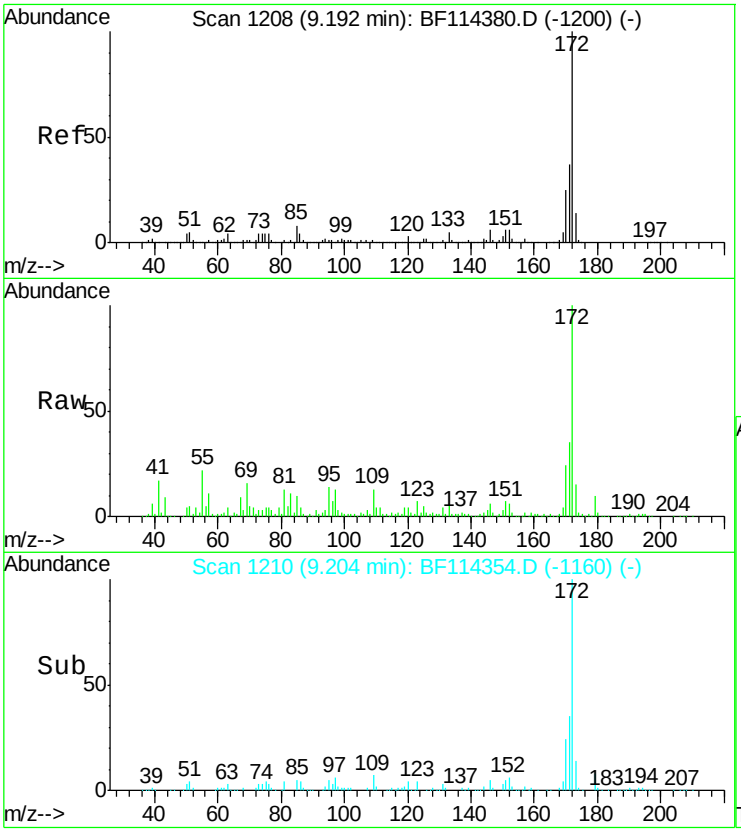


#42
2,4,6-Tribromophenol
Concen: 36.949 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:330 Resp: 128158

Ion	Ratio	Lower	Upper
330	100		
332	105.0	81.4	122.2
141	28.7	26.6	40.0

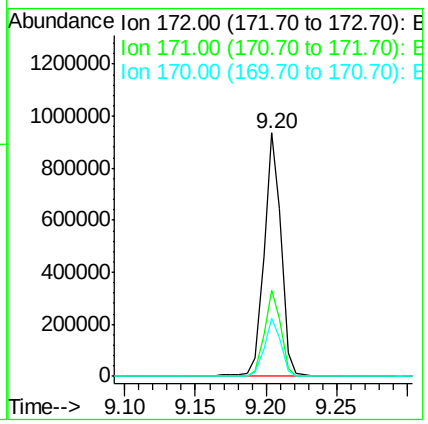




#45
2-Fluorobiphenyl
Concen: 35.733 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:172 Resp: 792546

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.7	46.1
170	23.8	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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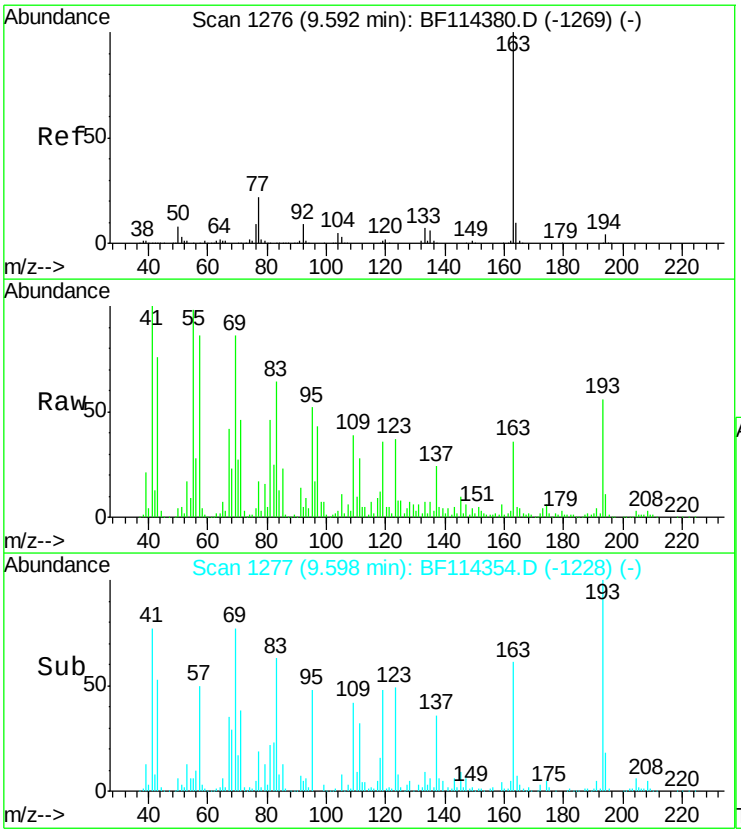
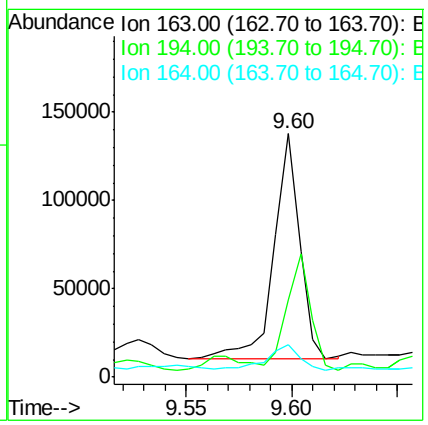
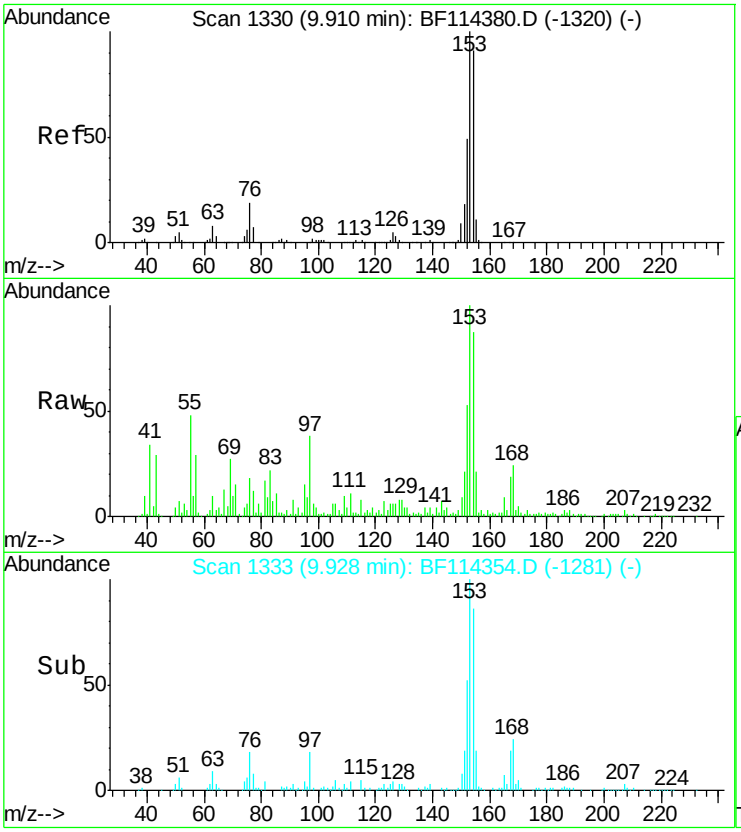


#50
Dimethylphthalate
Concen: 4.441 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:163 Resp: 109373

Ion	Ratio	Lower	Upper
163	100		
194	31.6	3.4	5.0#
164	13.1	8.2	12.2#

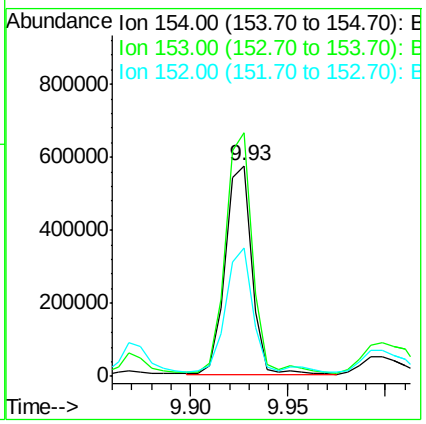




#52
Acenaphthene
Concen: 26.468 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:154 Resp: 538850

Ion	Ratio	Lower	Upper
154	100		
153	115.5	90.5	135.7
152	60.9	43.4	65.2



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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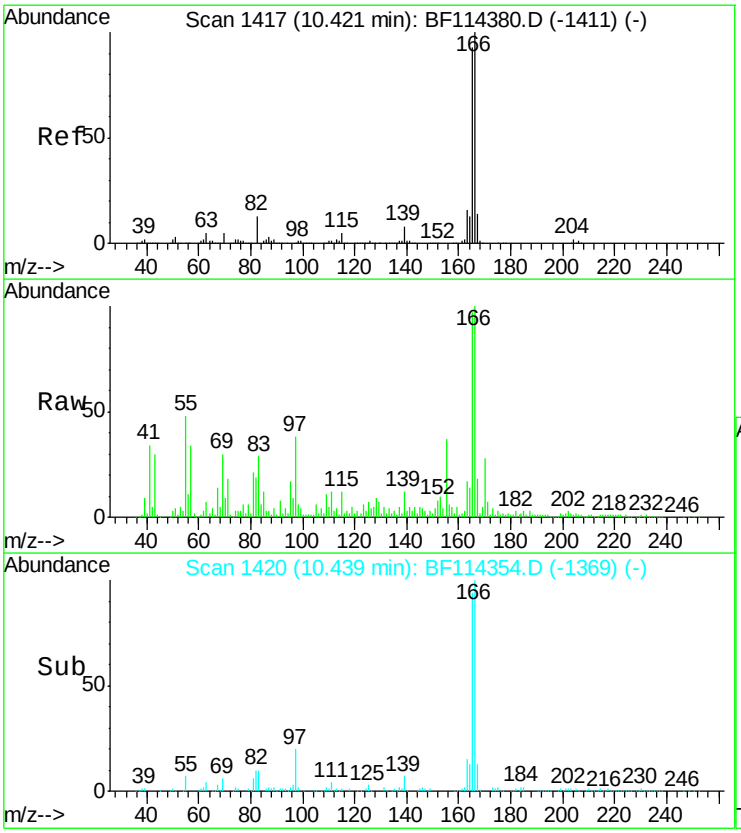
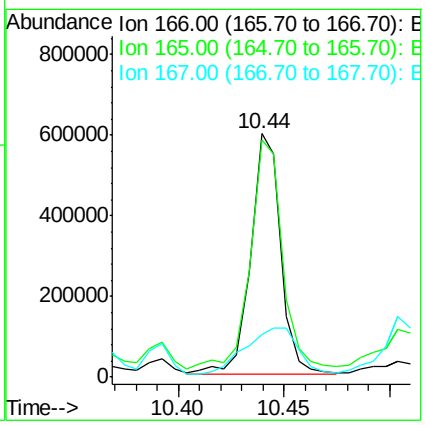
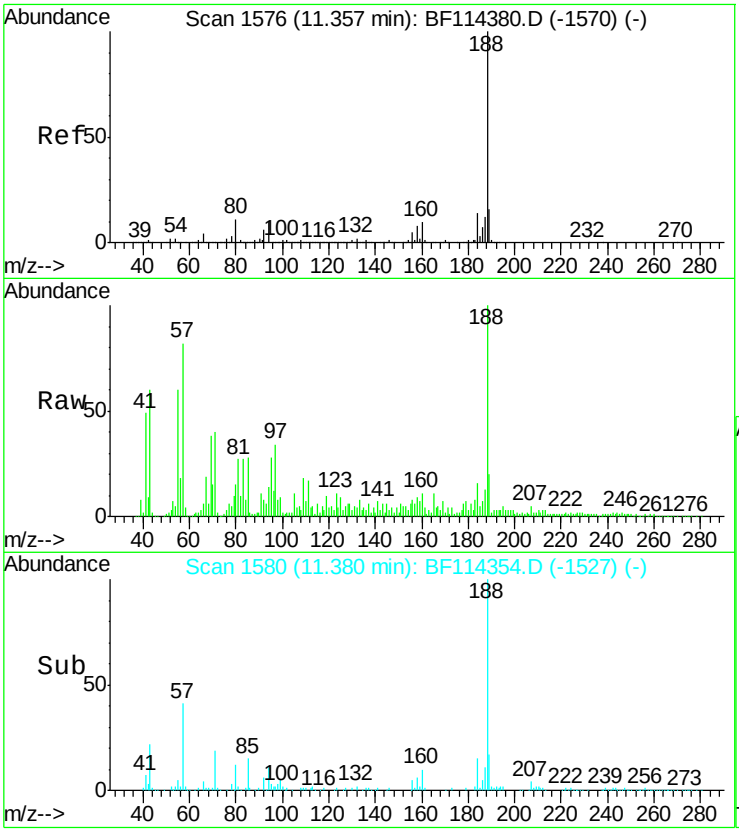


#58
Fluorene
Concen: 25.871 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:166 Resp: 596553

Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.1	114.1
167	17.6	11.1	16.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:188 Resp: 545189

Ion	Ratio	Lower	Upper
188	100		
94	14.1	8.4	12.6#
80	14.5	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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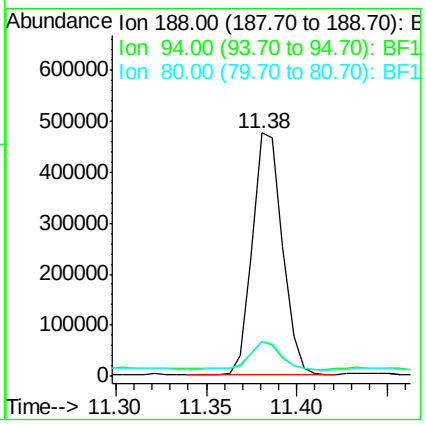
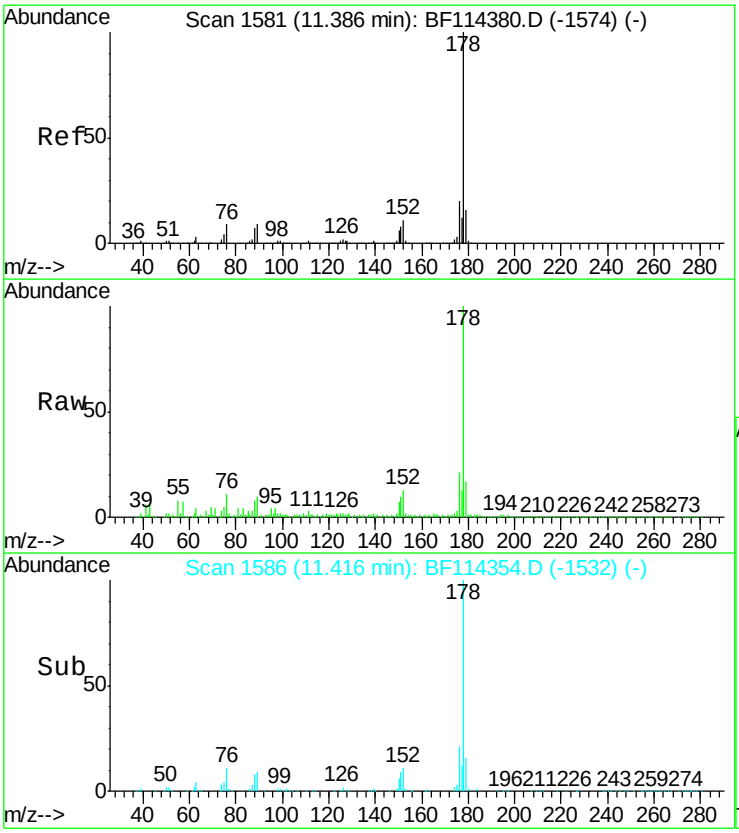
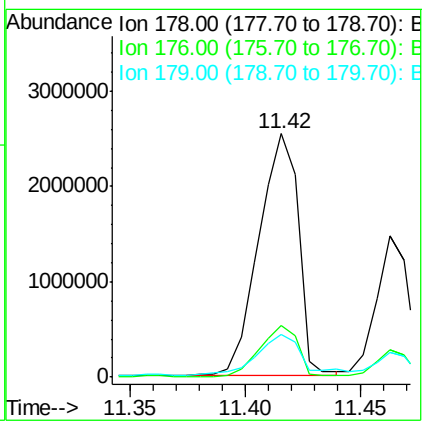


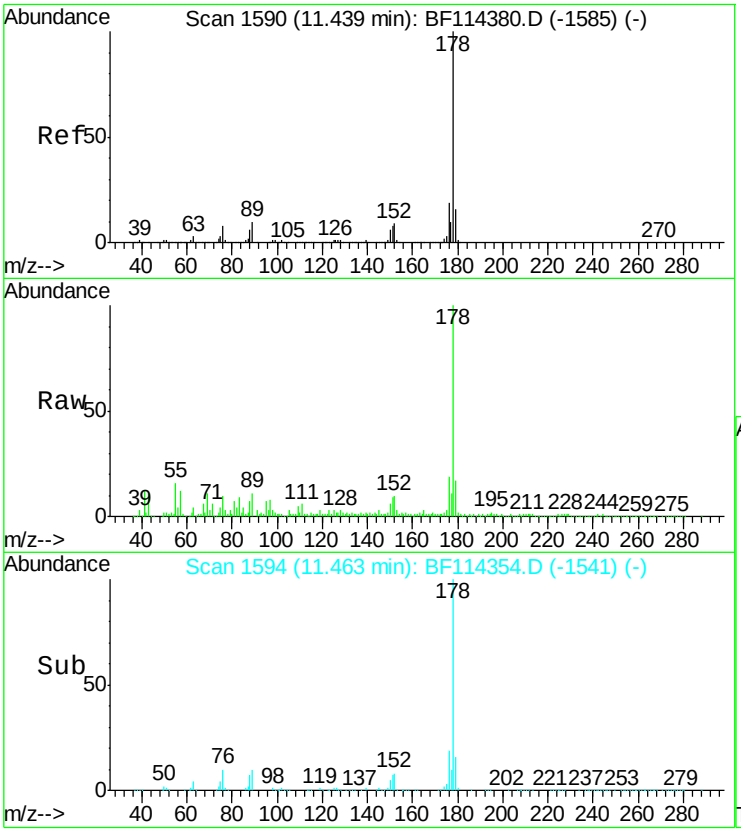


#71
Phenanthrene
Concen: 113.584 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:178 Resp: 3012723

Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.4	24.6
179	17.5	13.2	19.8

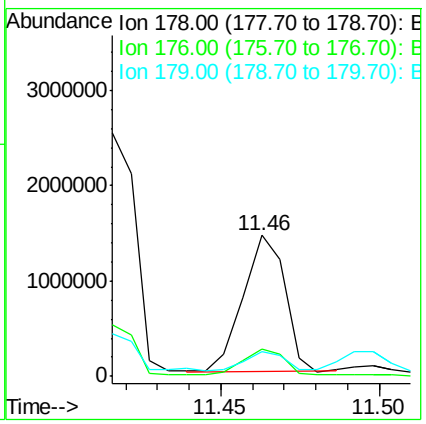




#72
Anthracene
Concen: 49.256 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:178 Resp: 1312235

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	17.4	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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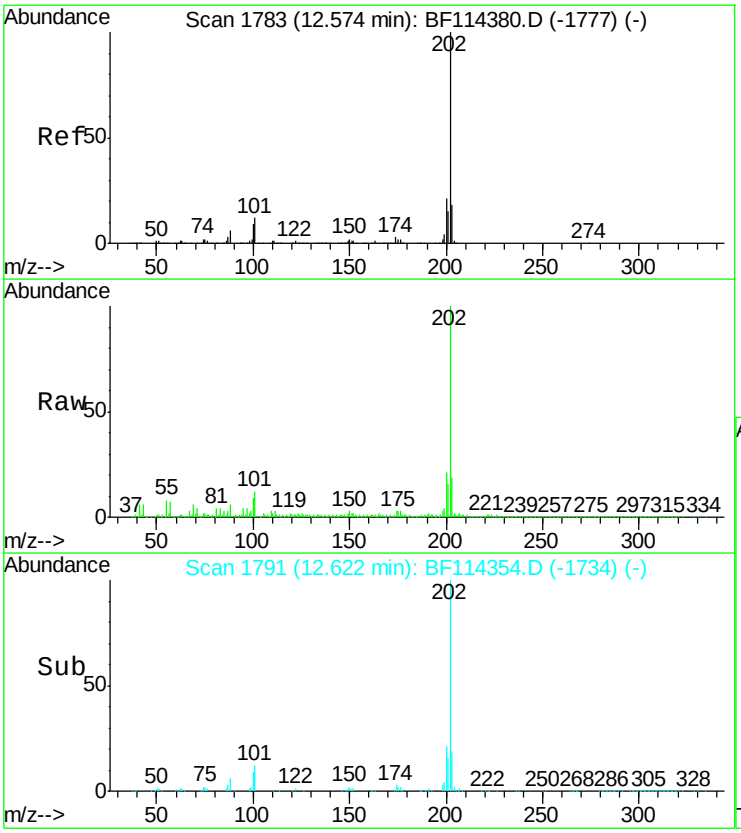
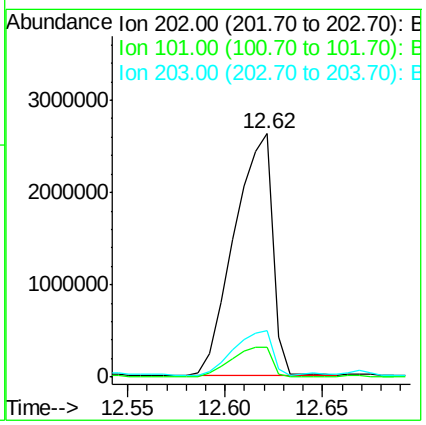
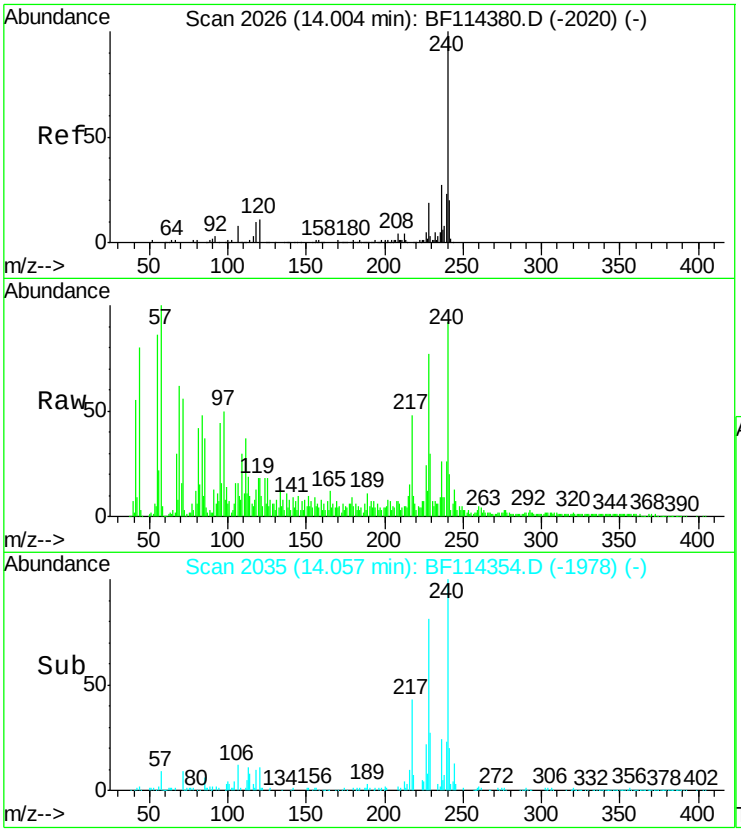


#75
Fluoranthene
Concen: 125.021 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.04 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:202 Resp: 3570978

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.0
203	18.9	0.0	38.4

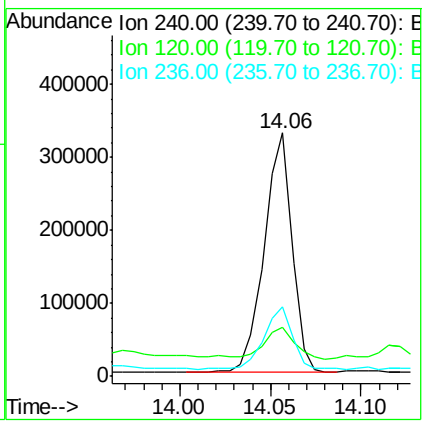




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.04 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:240 Resp: 348847

Ion	Ratio	Lower	Upper
240	100		
120	19.9	8.3	12.5#
236	28.7	20.8	31.2



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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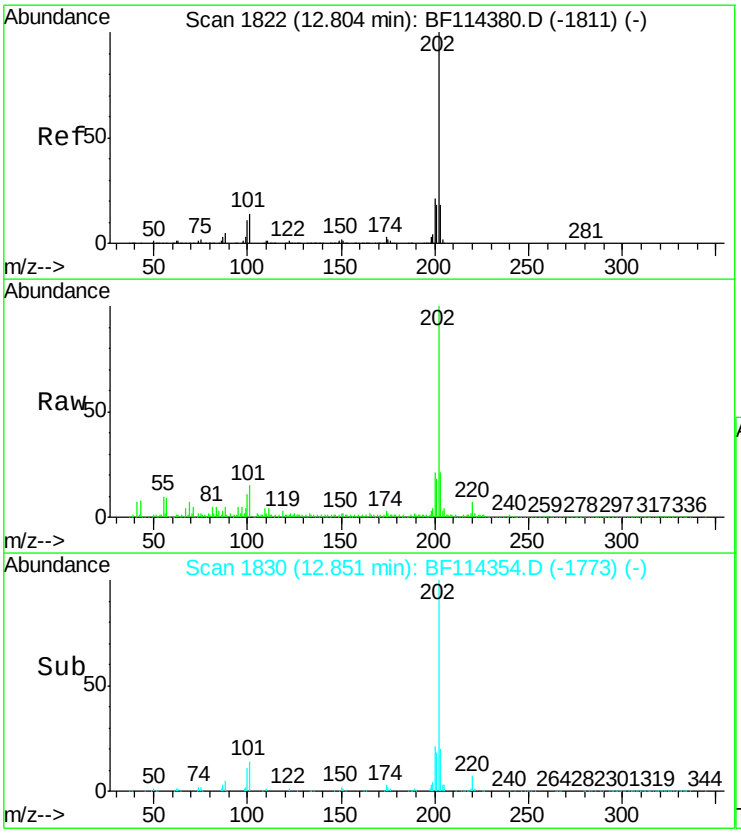
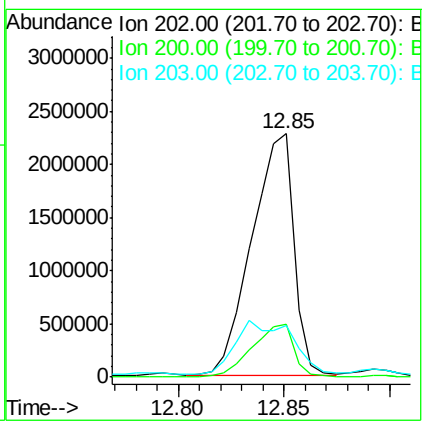
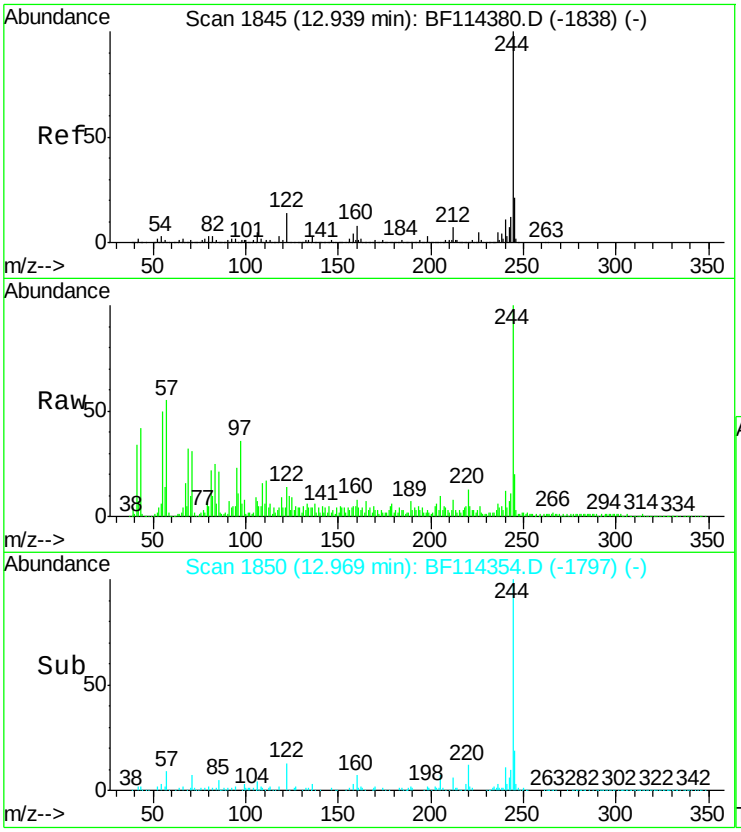


#78
Pyrene
Concen: 111.153 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.04 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:202 Resp: 3119286

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	21.0	14.5	21.7

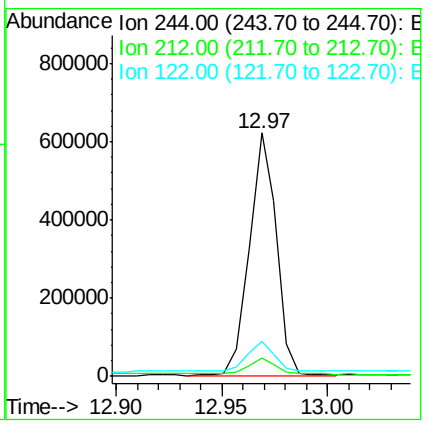




#79
Terphenyl-d14
Concen: 32.393 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:244 Resp: 548179

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	14.4	9.4	14.2#



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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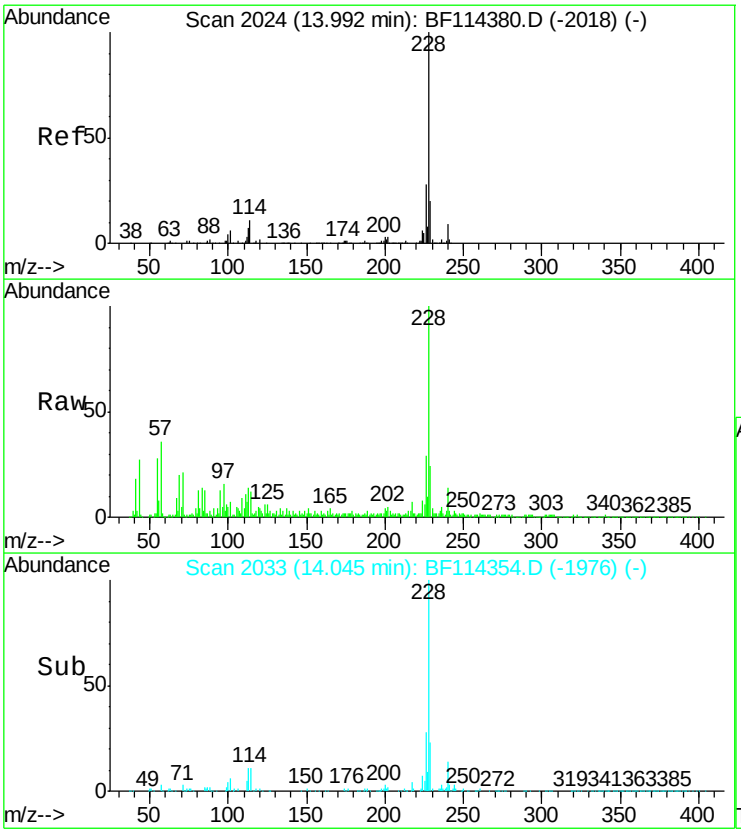
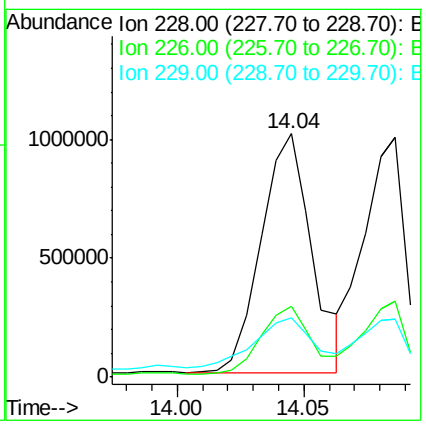
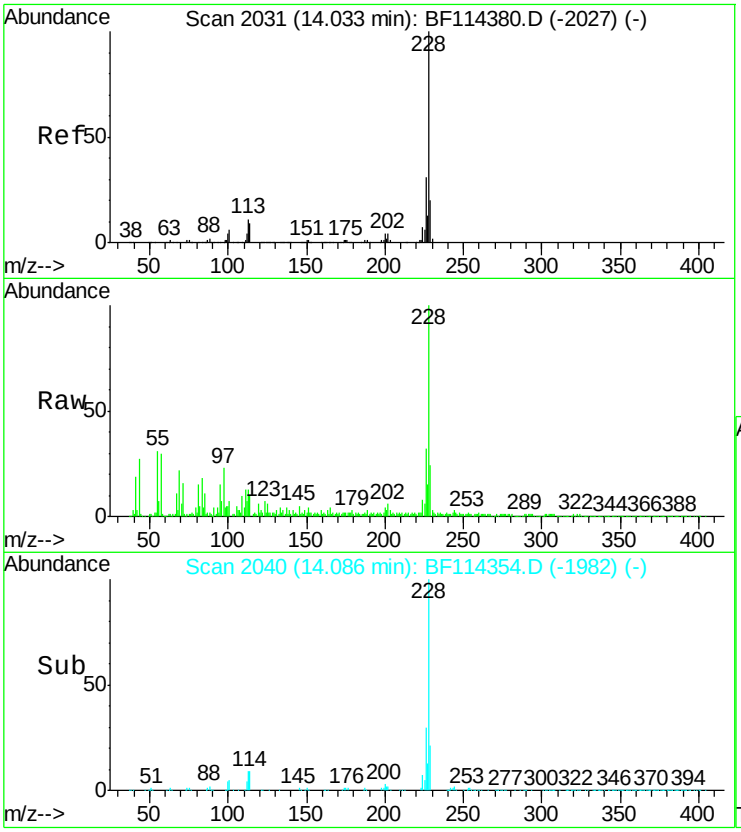


#81
Benzo(a)anthracene
Concen: 62.303 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.04 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:228 Resp: 1405750

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.2
229	24.4	16.4	24.6

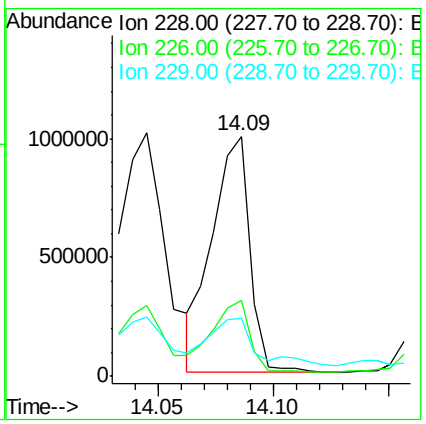




#83
Chrysene
Concen: 51.309 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.04 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:228 Resp: 1134866

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	24.3	17.0	25.6



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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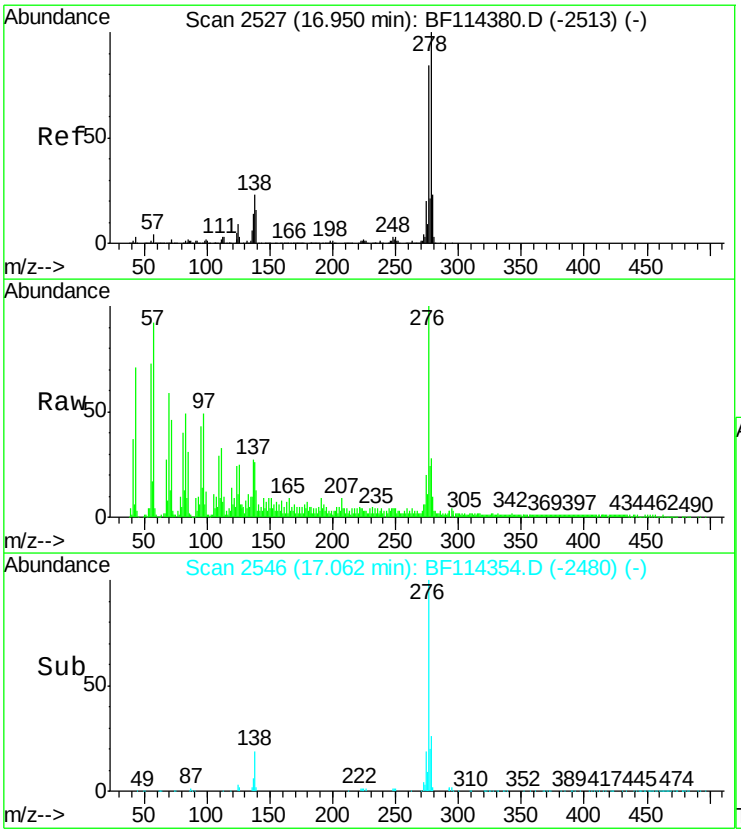
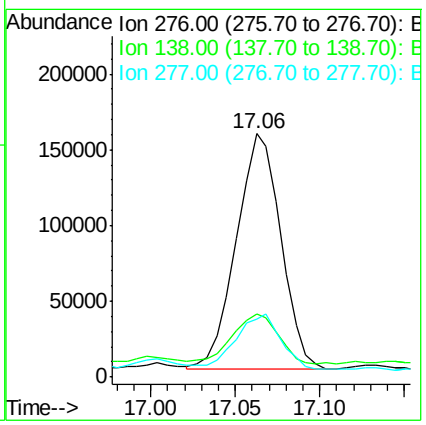
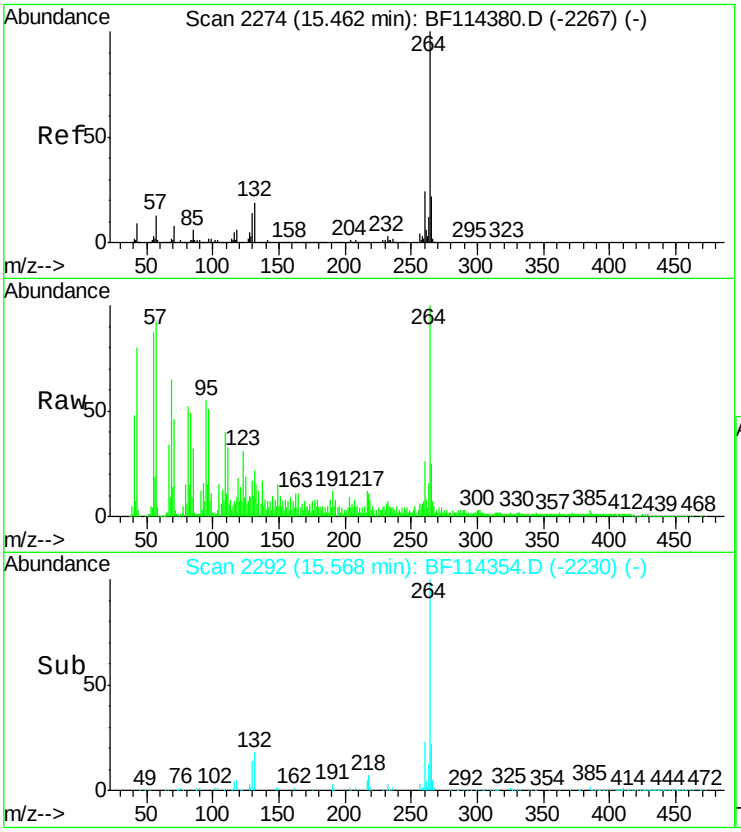


#86
Indeno(1,2,3-cd)pyrene
Concen: 14.564 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.09 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:276 Resp: 284690

Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.2	30.2
277	23.7	20.0	30.0

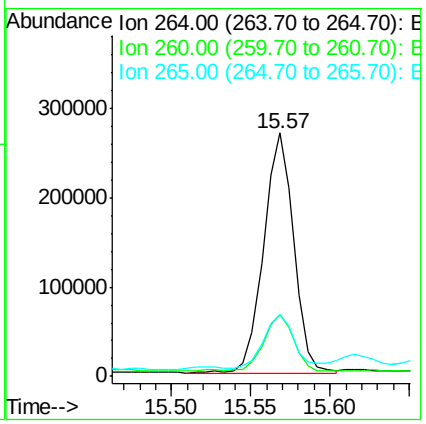




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.06 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:264 Resp: 356086

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.4	29.0
265	25.4	16.9	25.3#



Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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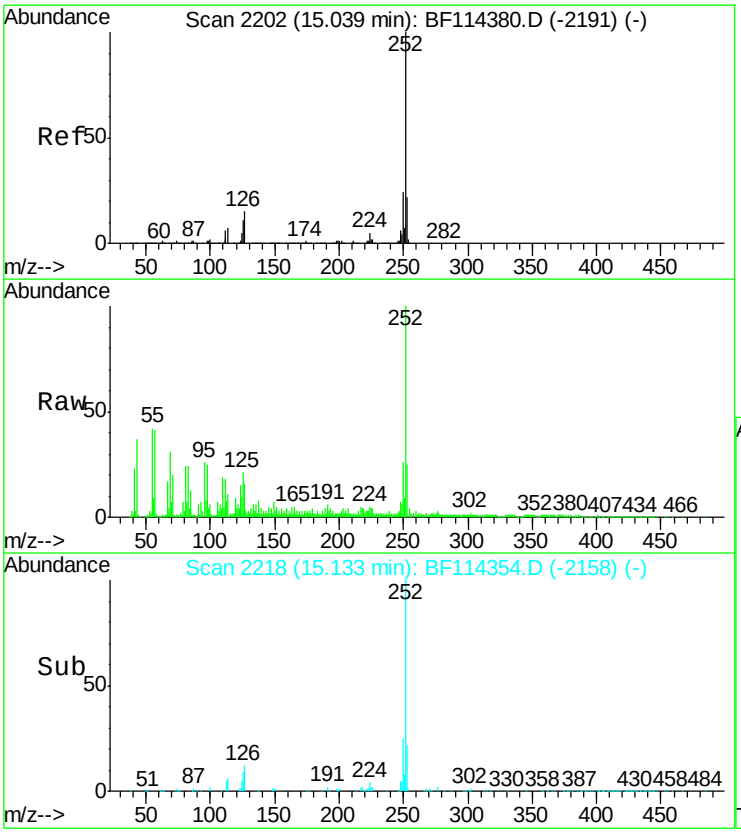
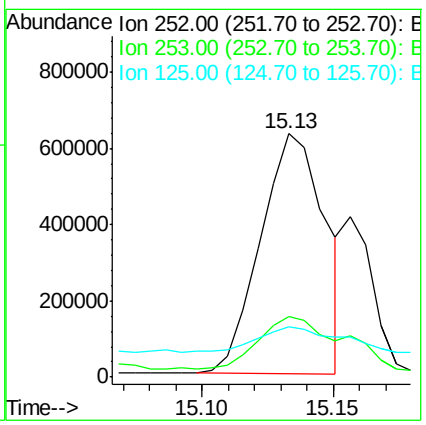
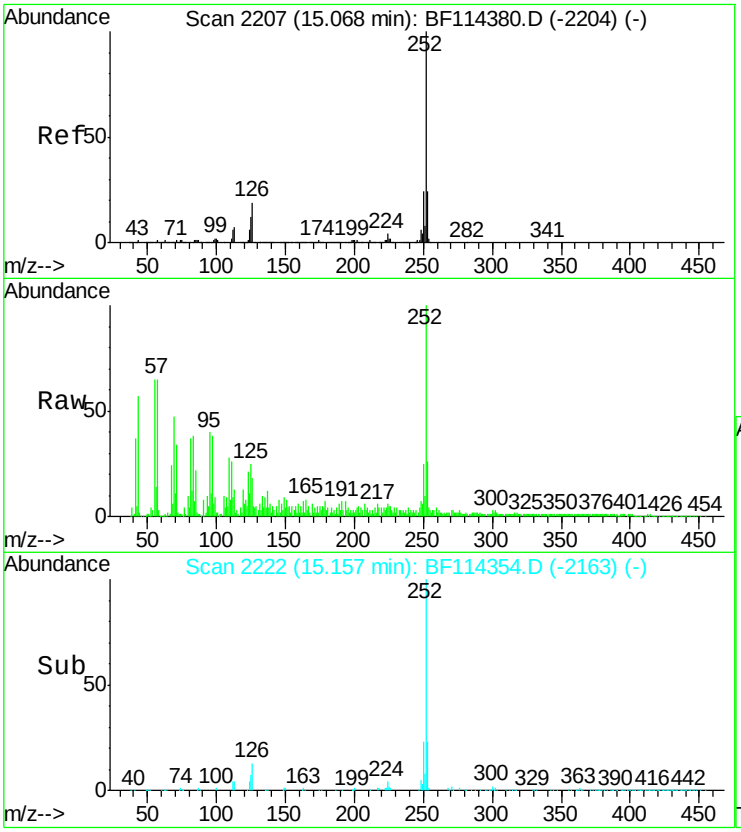


#88
Benzo(b)fluoranthene
Concen: 47.302 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.05 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:252 Resp: 1079103

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	20.7	8.3	12.5#





#89
Benzo(k)fluoranthene
Concen: 15.630 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.05 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:252 Resp: 327538

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	25.0	8.6	13.0#

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

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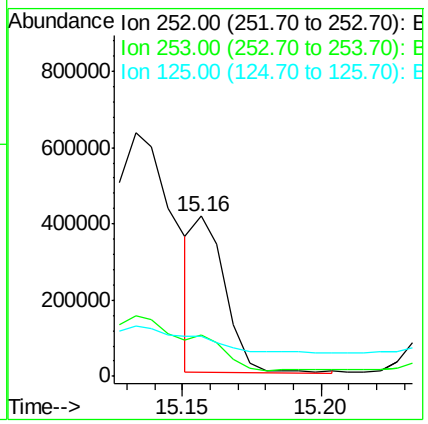
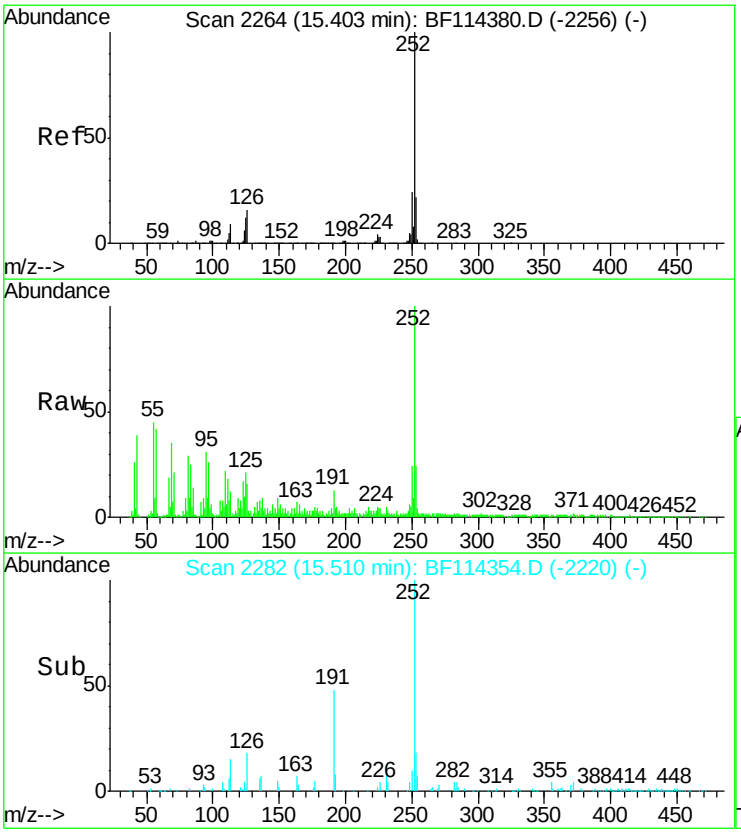
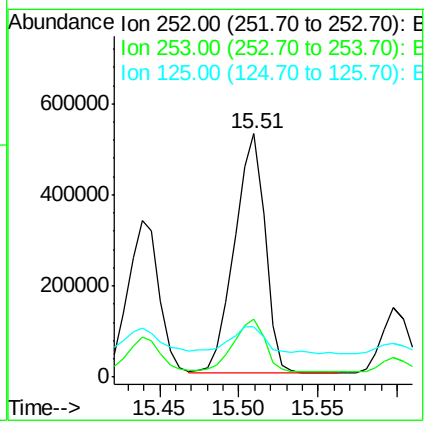


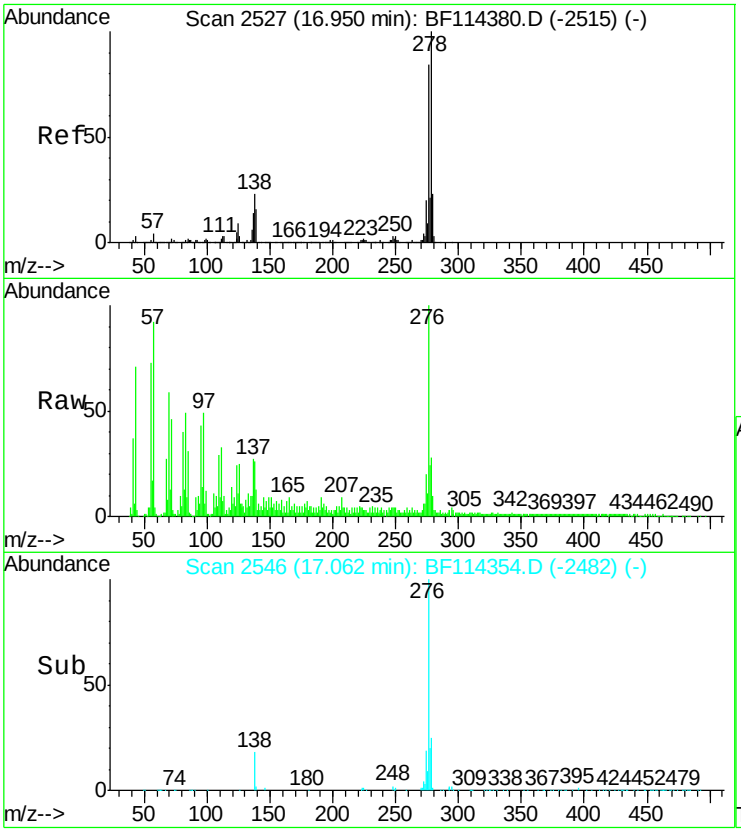


#90
Benzo(a)pyrene
Concen: 34.956 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.06 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:252 Resp: 701814

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	20.7	9.5	14.3#





#91
Dibenzo(a,h)anthracene
Concen: 5.289 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.08 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:278 Resp: 88241

Ion	Ratio	Lower	Upper
278	100		
139	47.3	13.5	20.3#
279	35.9	19.0	28.6#

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Manual Integrations APPROVED
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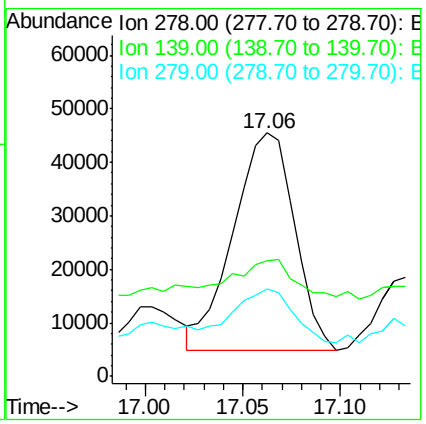

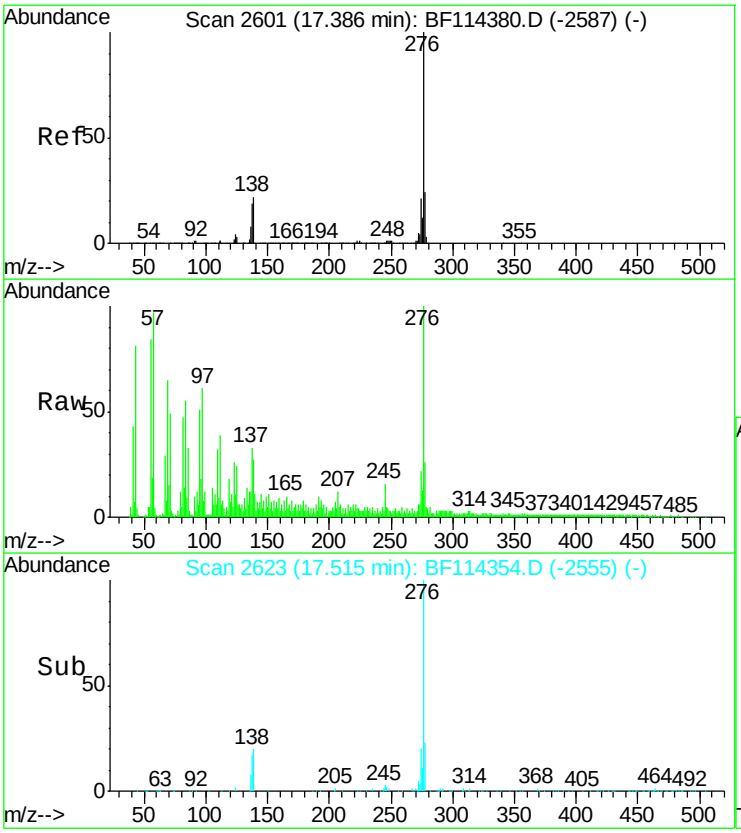

#92
Benzo(g,h,i)perylene
Concen: 14.891 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.10 min
Lab File: BF114354.D
Acq: 17 May 2019 17:13

Tgt Ion:276 Resp: 248969

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.0	28.4
138	26.7	17.8	26.6#