Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116088.D
Acq On : 9 Aug 2019 00:45
Operator : HP/JU
Sample : K4130-11DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

Manual Integrations APPROVED
mohammad
8/14/2019 9:21:30 AM

Quant Time: Aug 09 16:41:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	116863	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	499985	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	278126	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	506728	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	301365	20.00	ng	-0.01
87) Perylene-d12	15.46	264	327926	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	77191	11.06	ng	0.00
7) Phenol-d6	6.47	99	115143	13.07	ng	-0.01
23) Nitrobenzene-d5	7.40	82	69676	8.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	27620	10.24	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	150676	10.15	ng	-0.02
79) Terphenyl-d14	12.93	244	189765	13.27	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.14	128	95495	4.059	ng	98
37) 2-Methylnaphthalene	8.83	142	38863	2.508	ng	97
52) Acenaphthene	9.90	154	260274	17.794	ng	99
55) Dibenzofuran	10.07	168	264856	12.451	ng	97
58) Fluorene	10.42	166	349552	21.359	ng	100
71) Phenanthrene	11.39	178	1983334	76.562	ng	98
72) Anthracene	11.43	178	773392	29.500	ng	100
73) Carbazole	11.59	167	223790	9.409	ng	99
75) Fluoranthene	12.57	202	1708095	62.983	ng	97
78) Pyrene	12.80	202	1407196	61.944	ng	99
81) Benzo(a)anthracene	13.99	228	582382	30.234	ng	98
83) Chrysene	14.02	228	463391	24.780	ng	96
86) Indeno(1,2,3-cd)pyrene	16.93	276	175044	11.145	ng	95
88) Benzo(b)fluoranthene	15.04	252	500620m	26.402	ng	
89) Benzo(k)fluoranthene	15.06	252	144826m	7.842	ng	
90) Benzo(a)pyrene	15.40	252	343652	20.275	ng	97
91) Dibenzo(a,h)anthracene	16.93	278	44793m	3.053	ng	
92) Benzo(g,h,i)perylene	17.37	276	143546	9.962	ng	97

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

Quantitation Report (QT Reviewed)

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Data File : BF116088.D
Acq On : 9 Aug 2019 00:45
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Sample : K4130-11DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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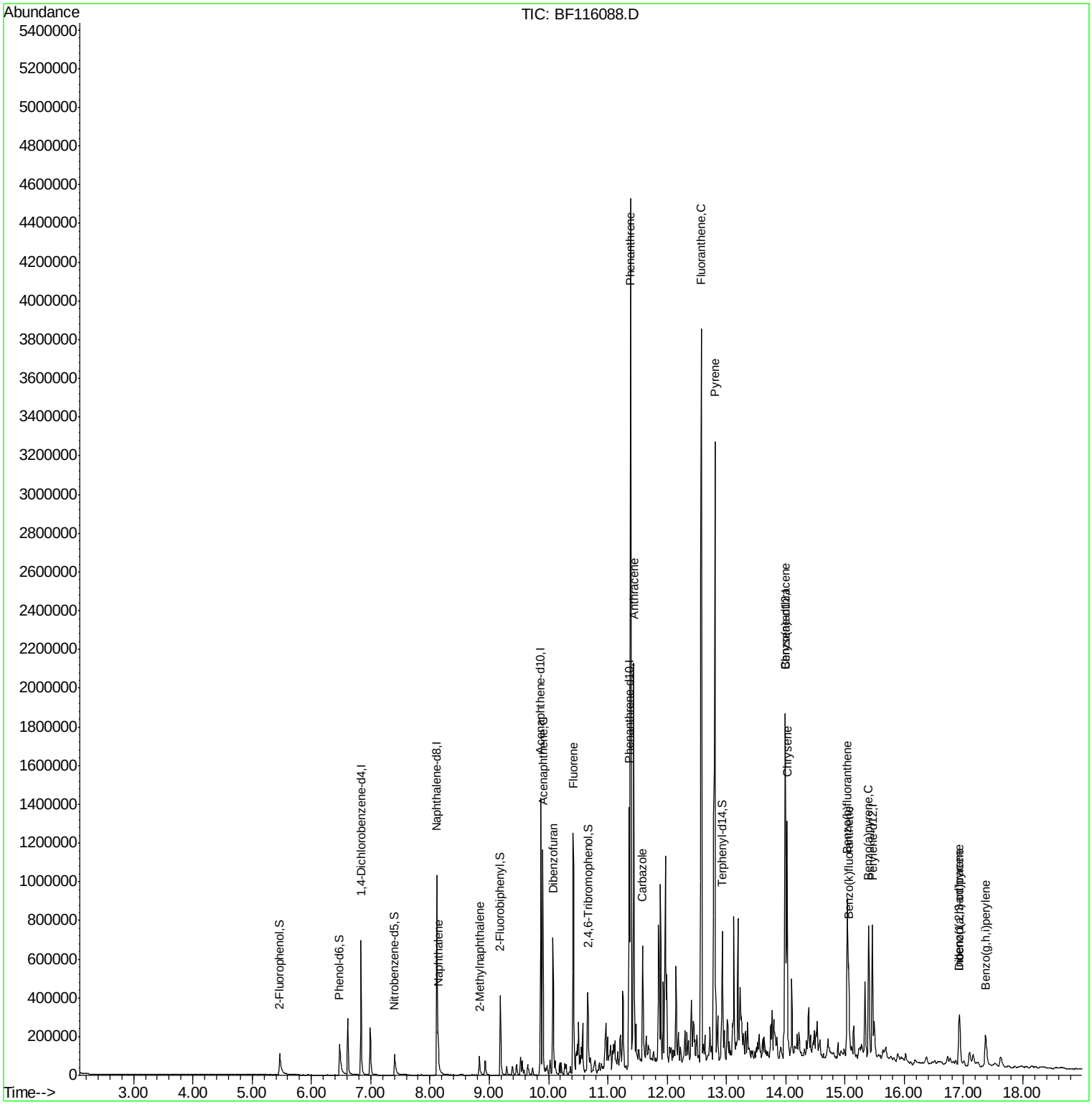
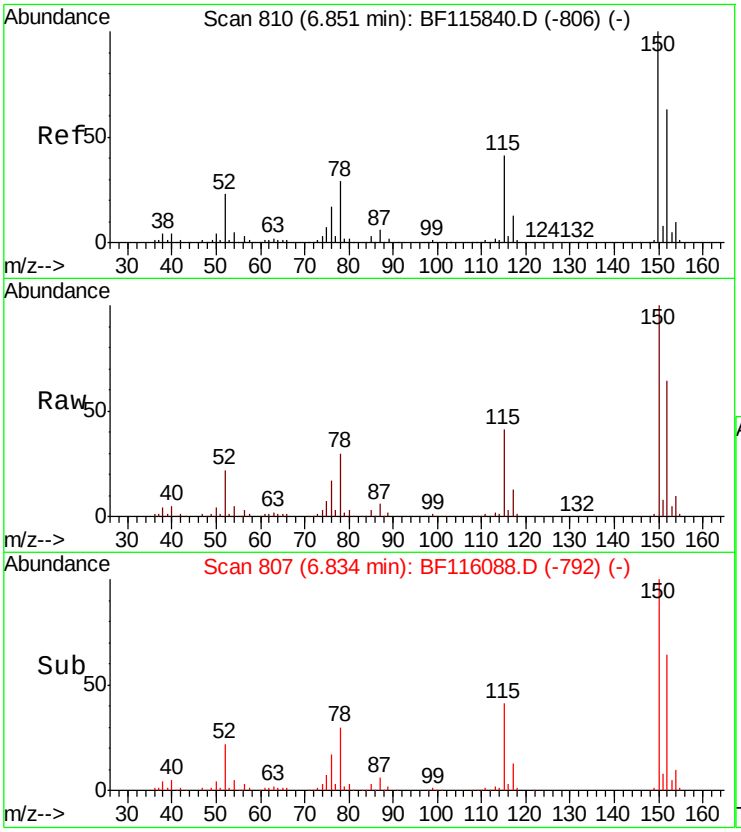
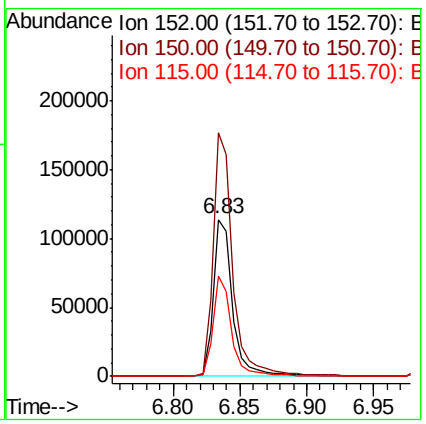




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:152 Resp: 116863

Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	64.0	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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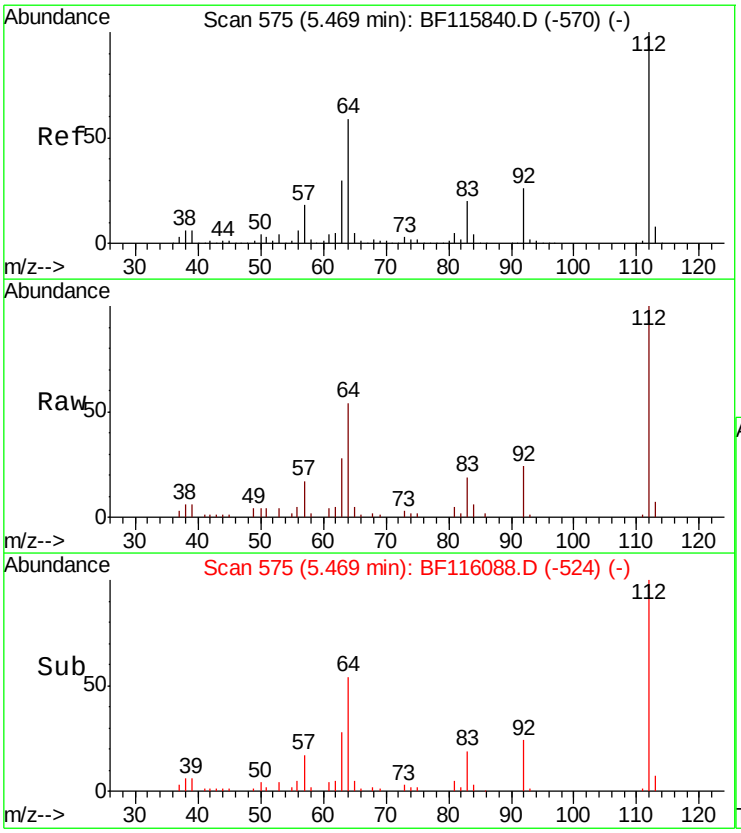
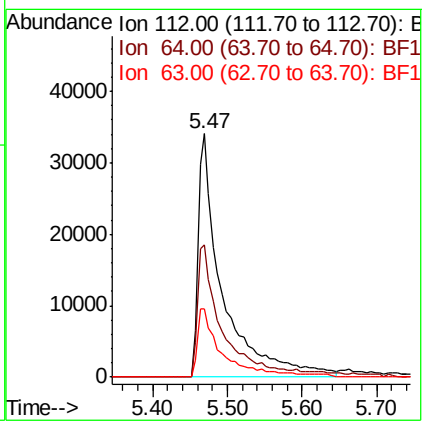
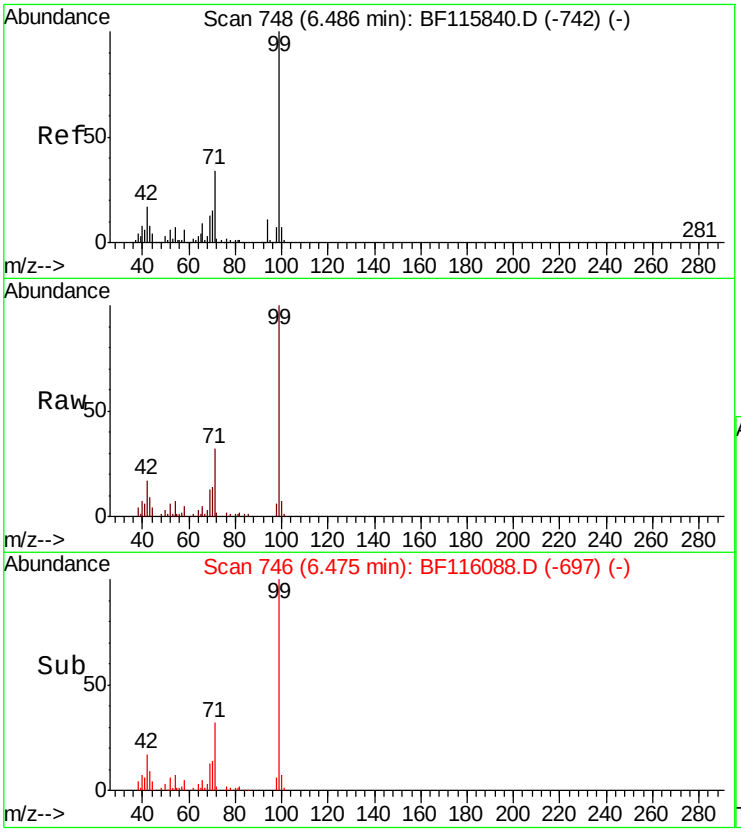


#5
2-Fluorophenol
Concen: 11.058 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:112 Resp: 77191

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.4	68.2
63	28.1	23.7	35.5

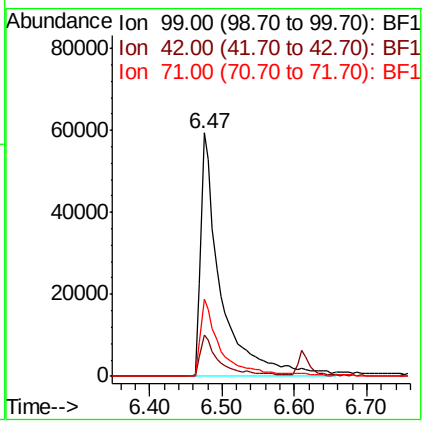




#7
Phenol-d6
Concen: 13.073 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion: 99 Resp: 115143

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.8
71	32.0	27.3	40.9



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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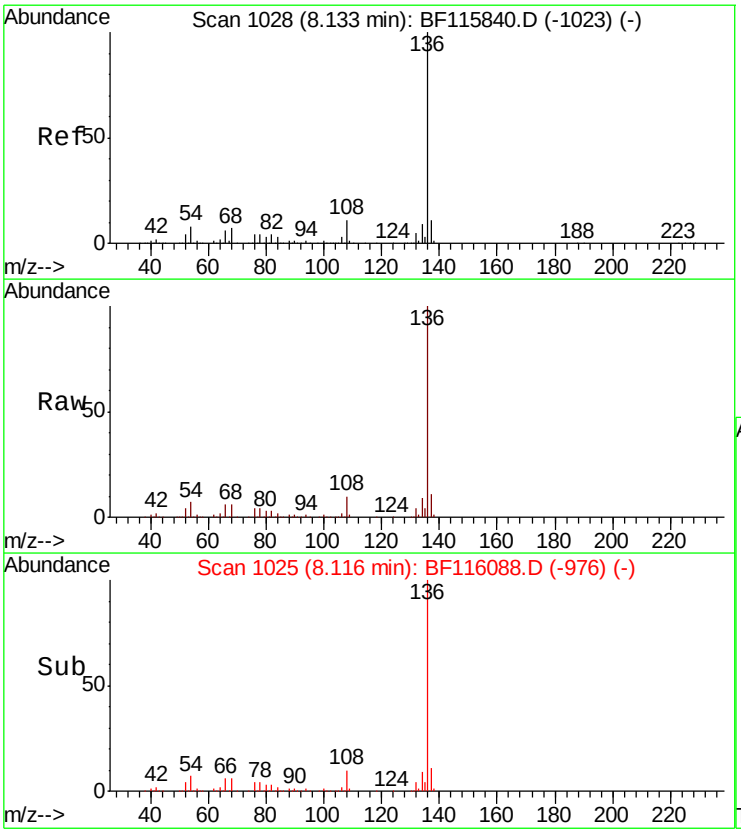
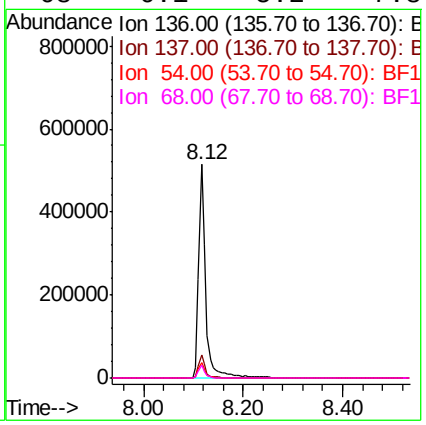
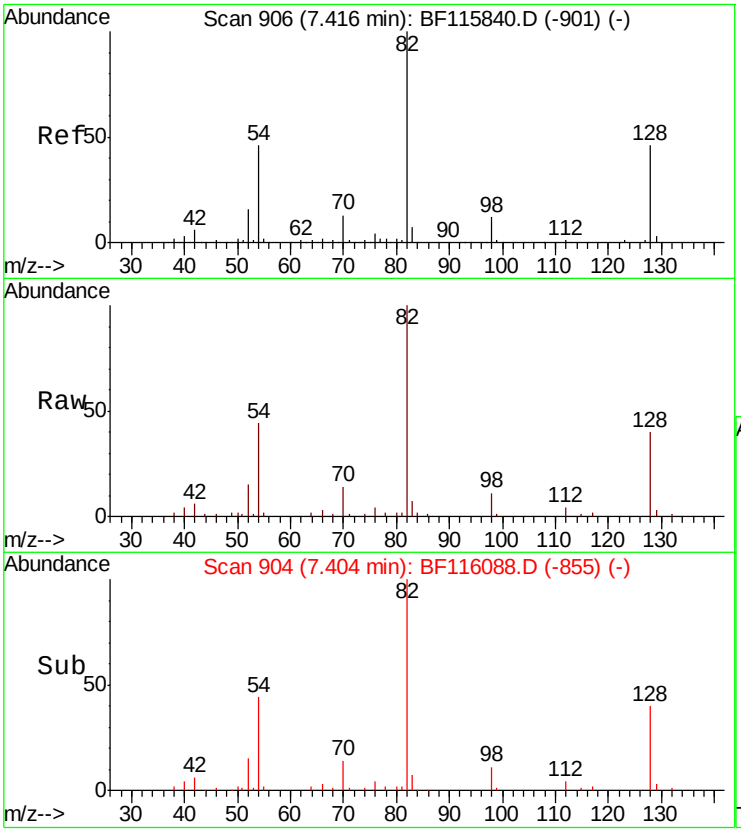


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:136 Resp: 499985

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.0	5.8	8.6
68	6.1	5.2	7.8

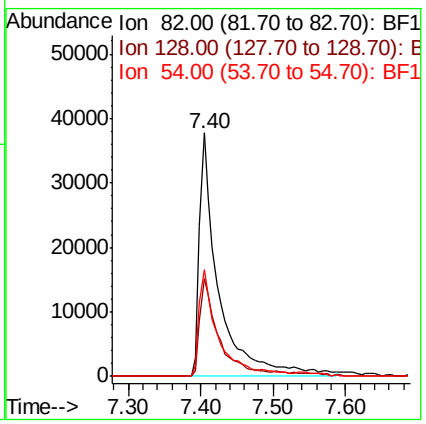




#23
Nitrobenzene-d5
Concen: 8.044 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion: 82 Resp: 69676

Ion	Ratio	Lower	Upper
82	100		
128	40.3	36.5	54.7
54	44.0	36.0	54.0



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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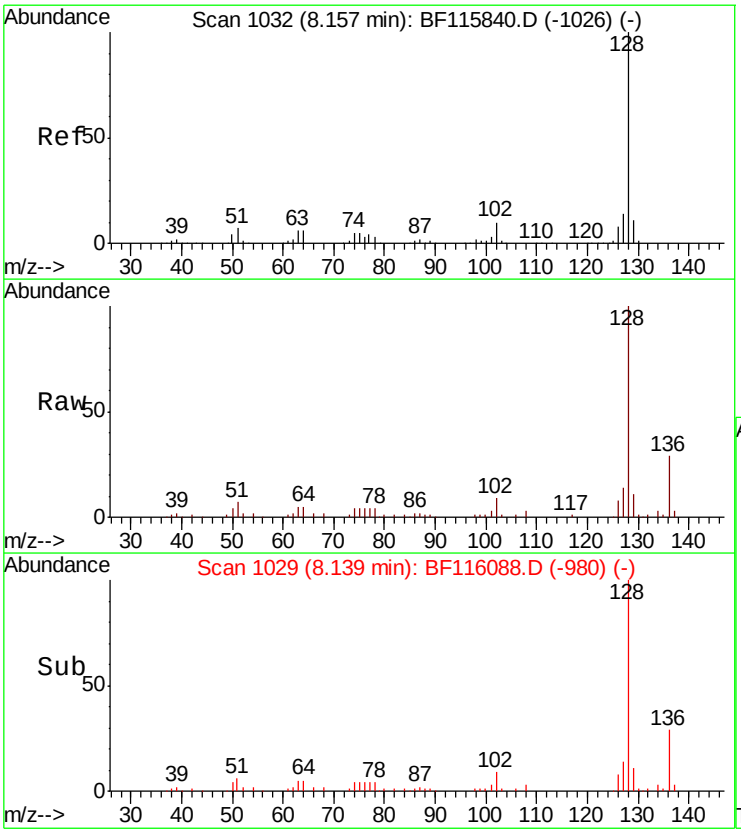
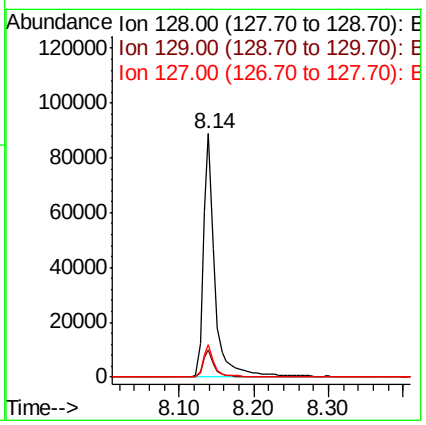
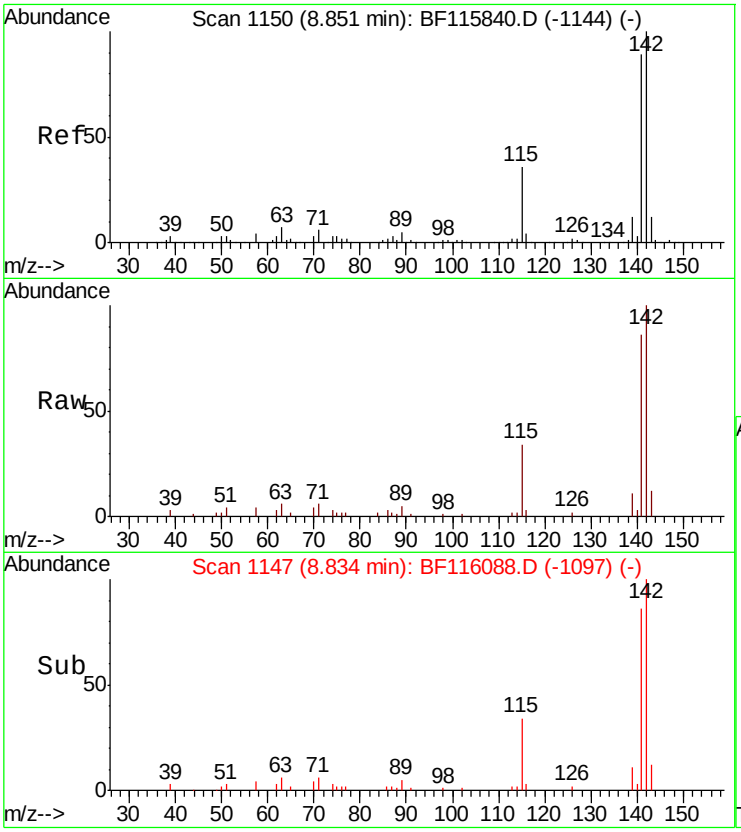


#31
Naphthalene
Concen: 4.059 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:128 Resp: 95495

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.5	11.4	17.0

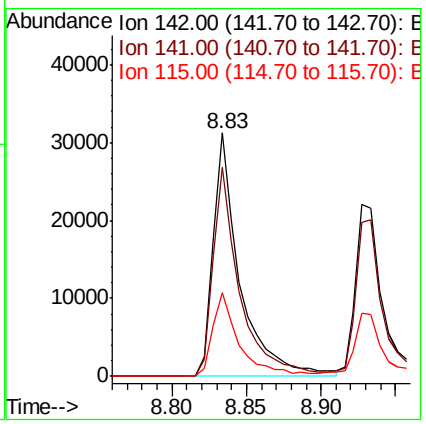




#37
2-Methylnaphthalene
Concen: 2.508 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:142 Resp: 38863

Ion	Ratio	Lower	Upper
142	100		
141	85.9	70.9	106.3
115	34.1	29.0	43.6



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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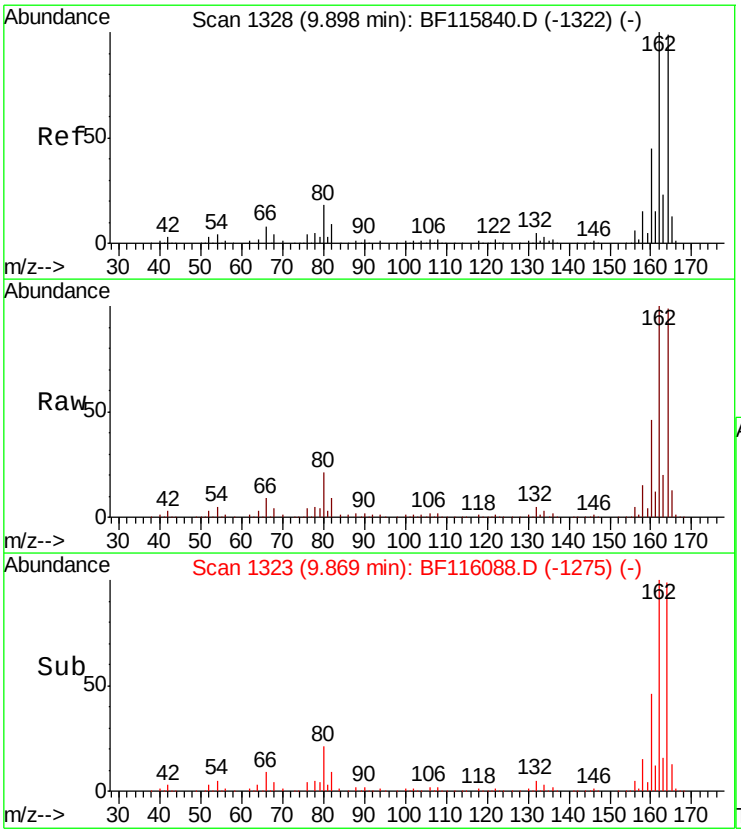
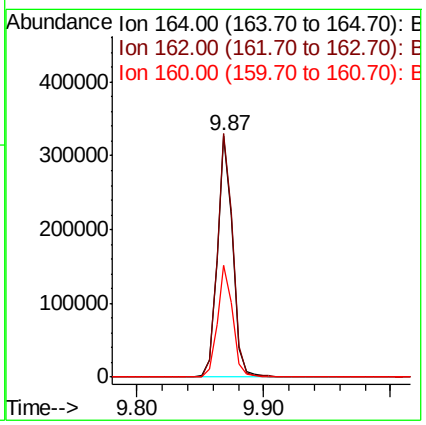
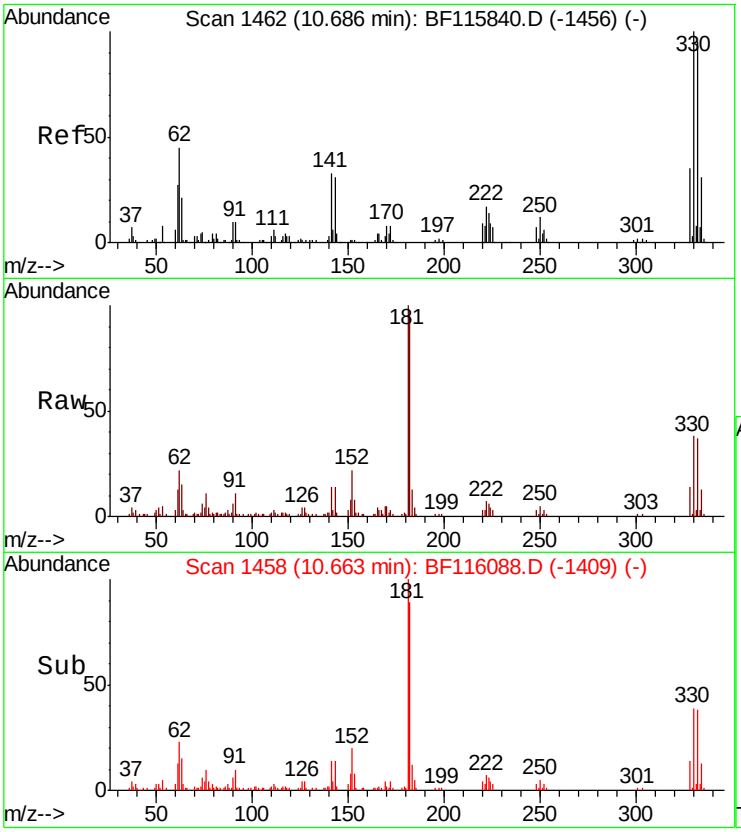


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:164 Resp: 278126

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.6	124.0
160	46.2	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 10.243 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:330 Resp: 27620

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.8	115.2
141	50.6	26.3	39.5#

Instrument :
BNA_F
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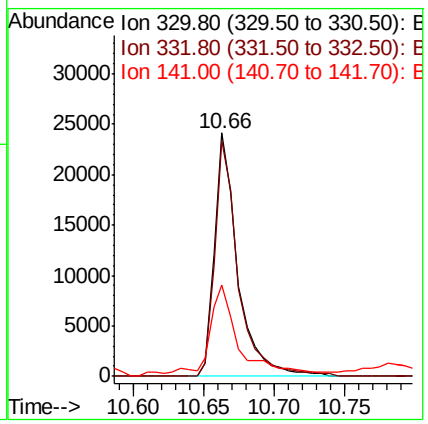
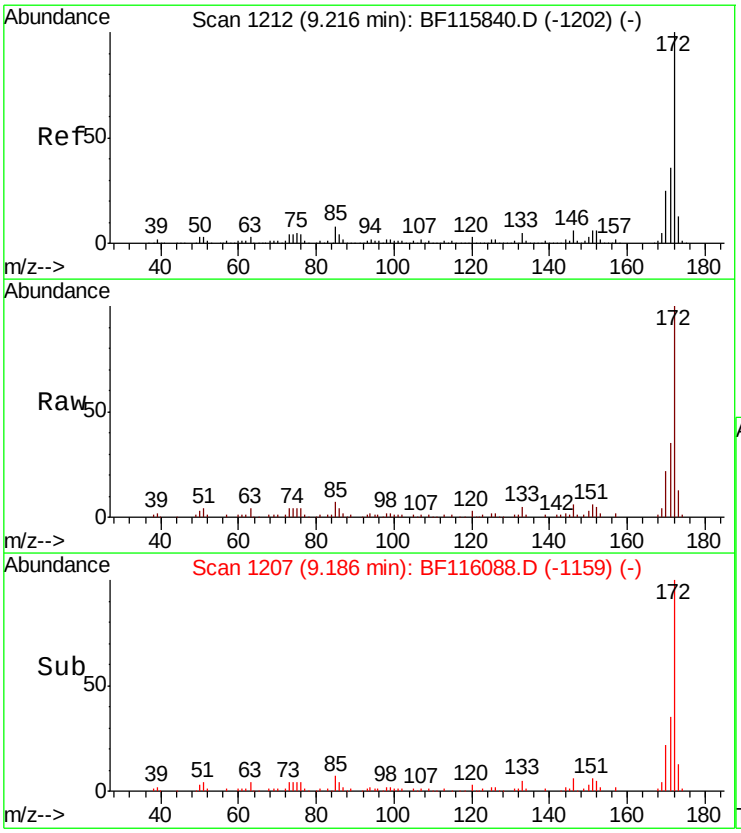
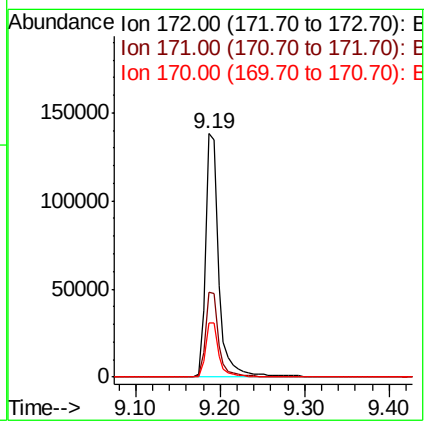


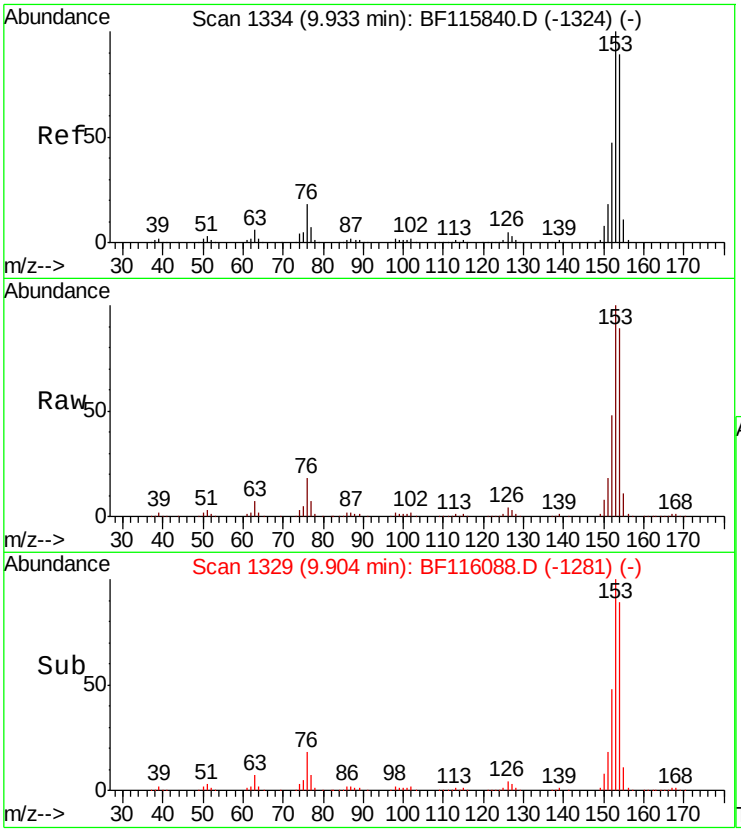


#45
2-Fluorobiphenyl
Concen: 10.147 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:172 Resp: 150676

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	22.4	20.1	30.1

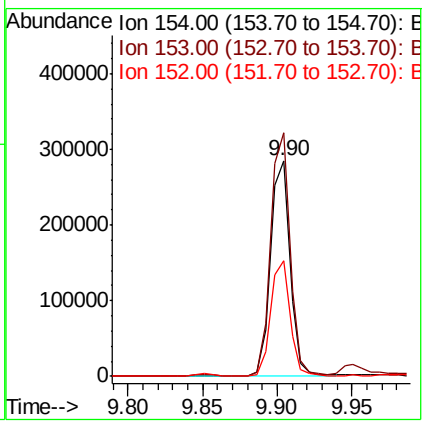




#52
Acenaphthene
Concen: 17.794 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:154 Resp: 260274

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.4	134.0
152	53.8	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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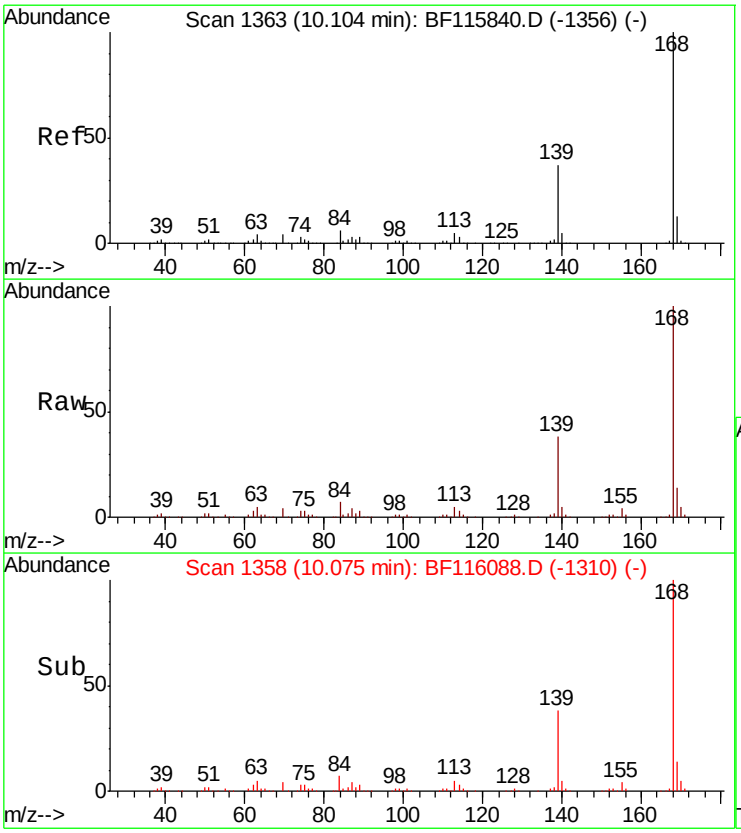
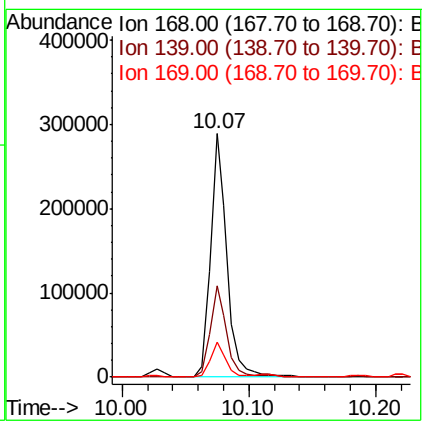
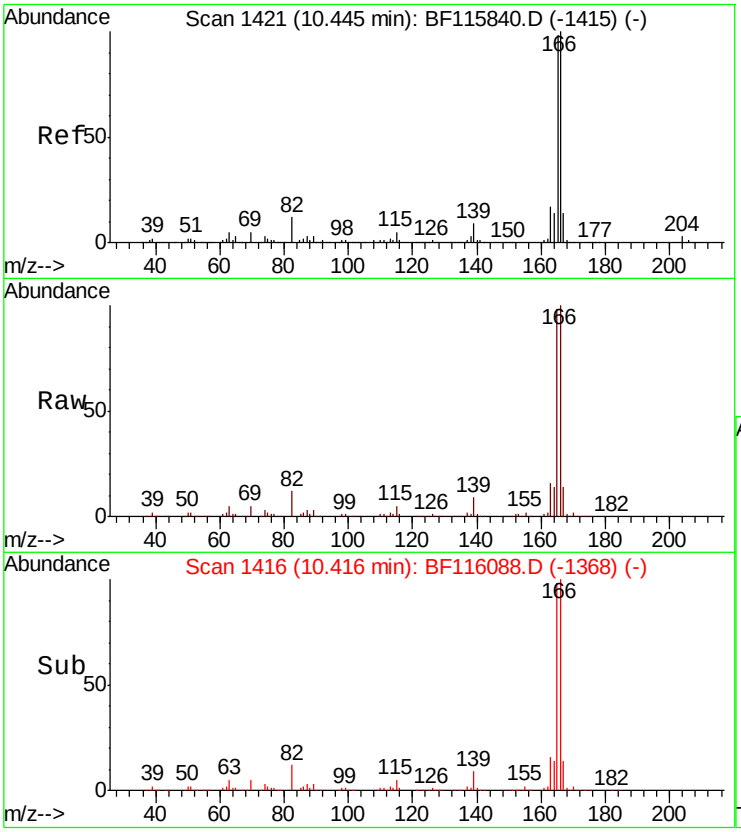


#55
Dibenzofuran
Concen: 12.451 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:168 Resp: 264856

Ion	Ratio	Lower	Upper
168	100		
139	37.6	31.4	47.2
169	14.4	10.9	16.3

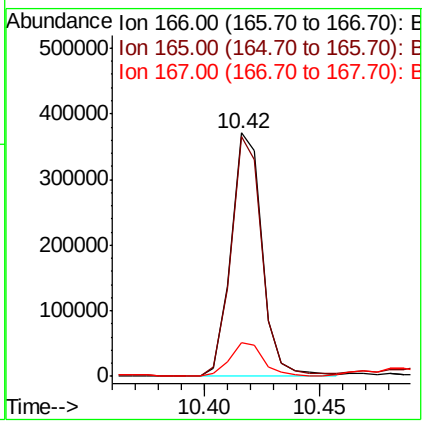




#58
Fluorene
Concen: 21.359 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:166 Resp: 349552

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.4	117.6
167	13.8	11.0	16.4



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1S-G-(0-30)-COMPDL

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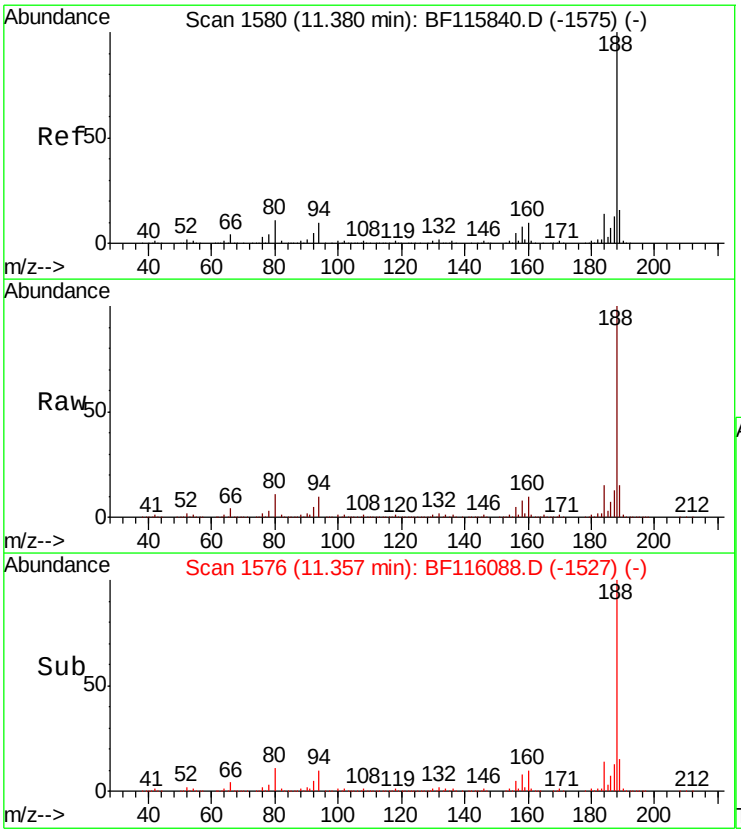
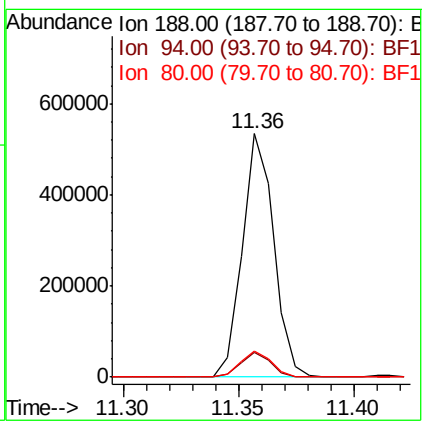
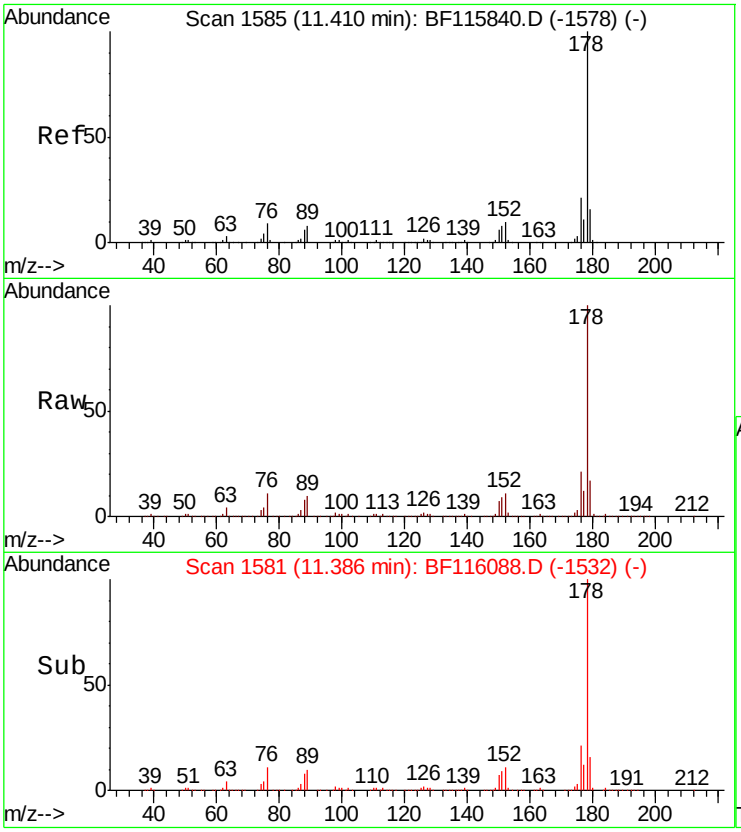


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:188 Resp: 506728

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	10.6	8.7	13.1

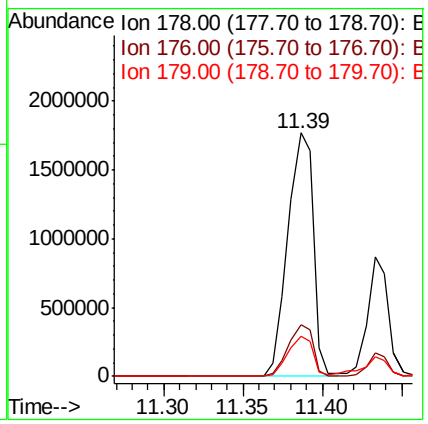




#71
Phenanthrene
Concen: 76.562 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:178 Resp: 1983334

Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.6	24.8
179	16.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

Manual Integrations APPROVED
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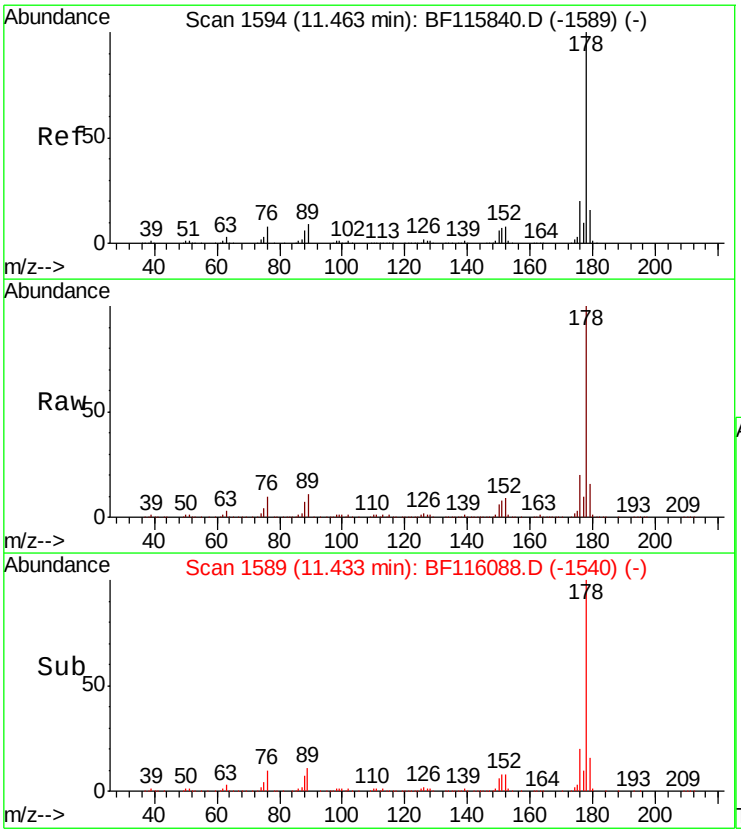
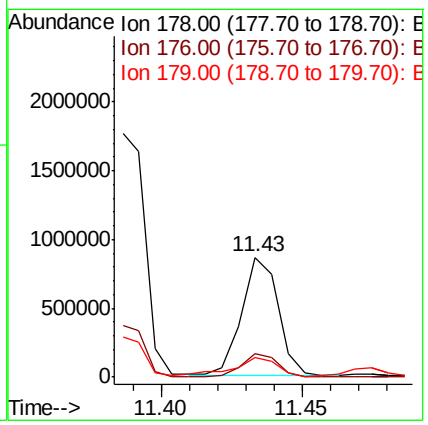
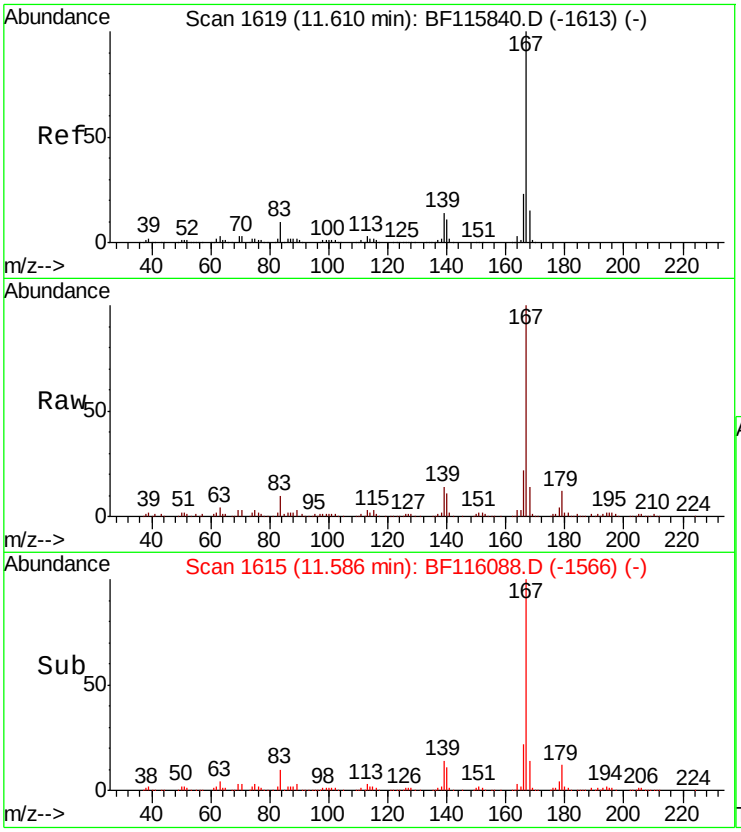


#72
Anthracene
Concen: 29.500 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:178 Resp: 773392

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	16.2	13.0	19.6

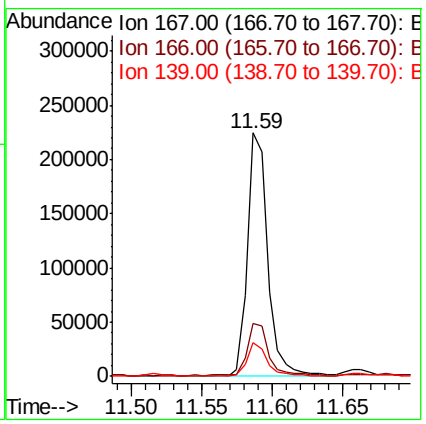




#73
Carbazole
Concen: 9.409 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:167 Resp: 223790

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	13.7	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
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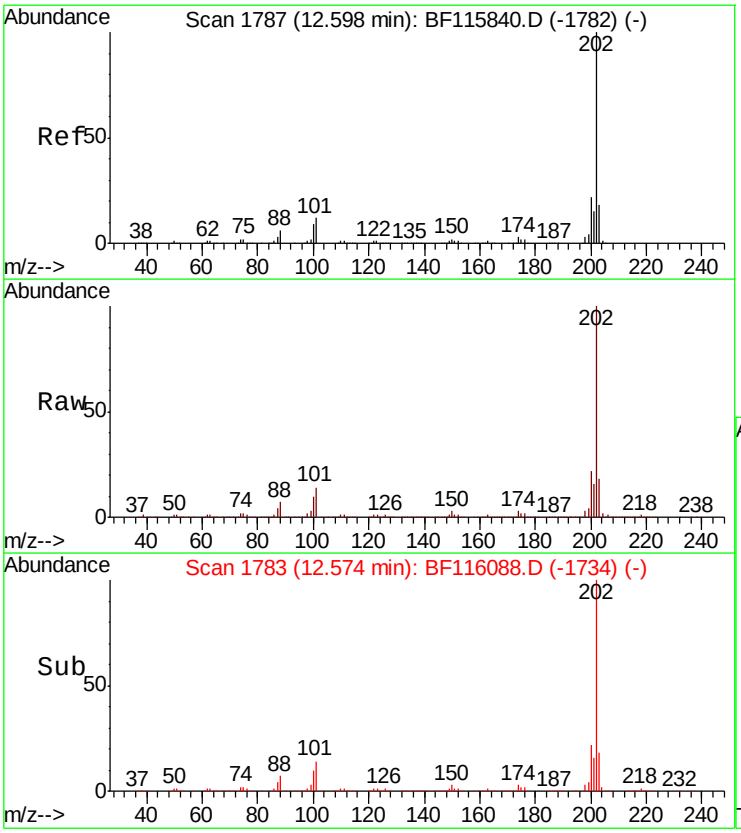
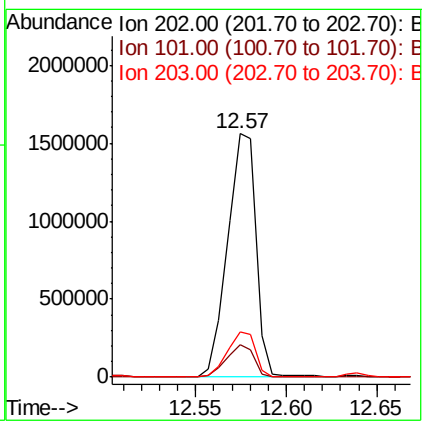
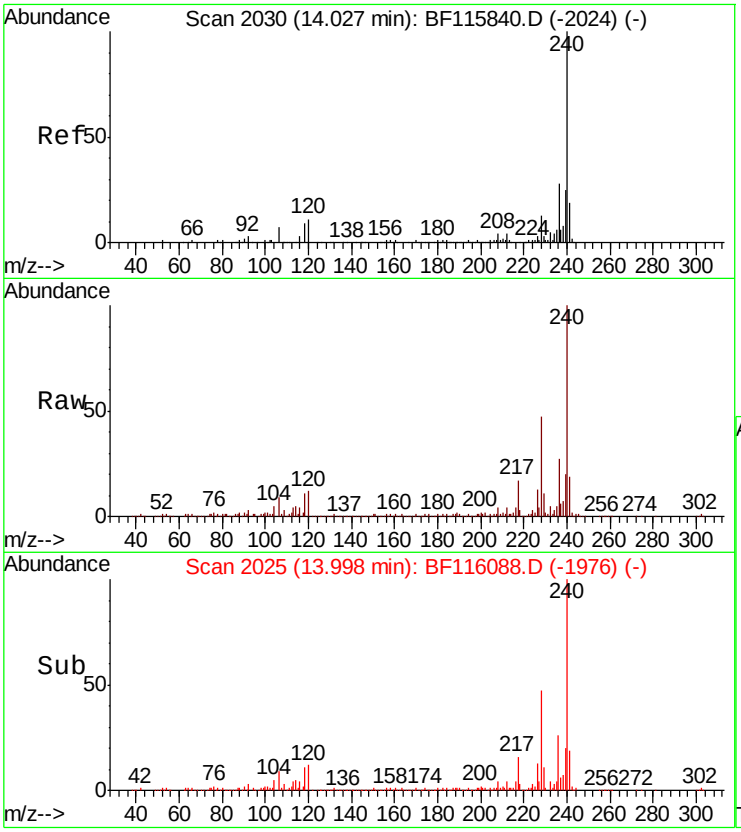


#75
Fluoranthene
Concen: 62.983 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:202 Resp: 1708095

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.2
203	18.4	0.0	37.8

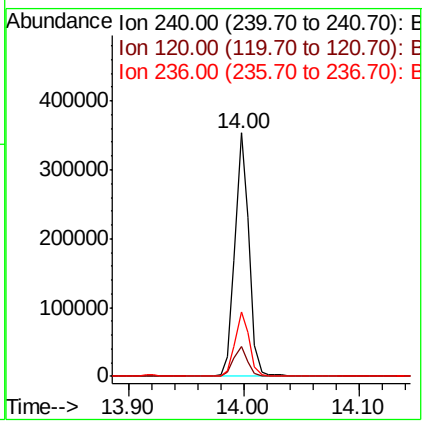




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:240 Resp: 301365

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	26.6	22.2	33.2



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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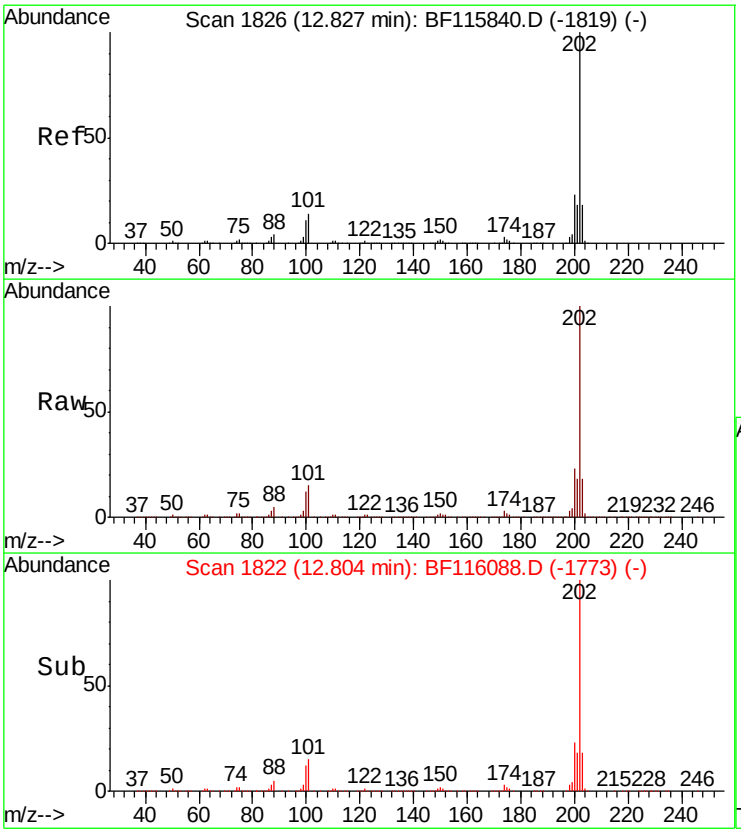
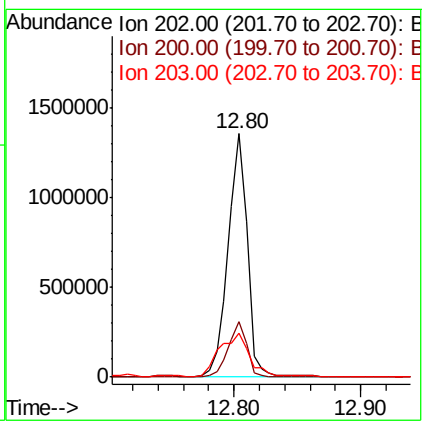
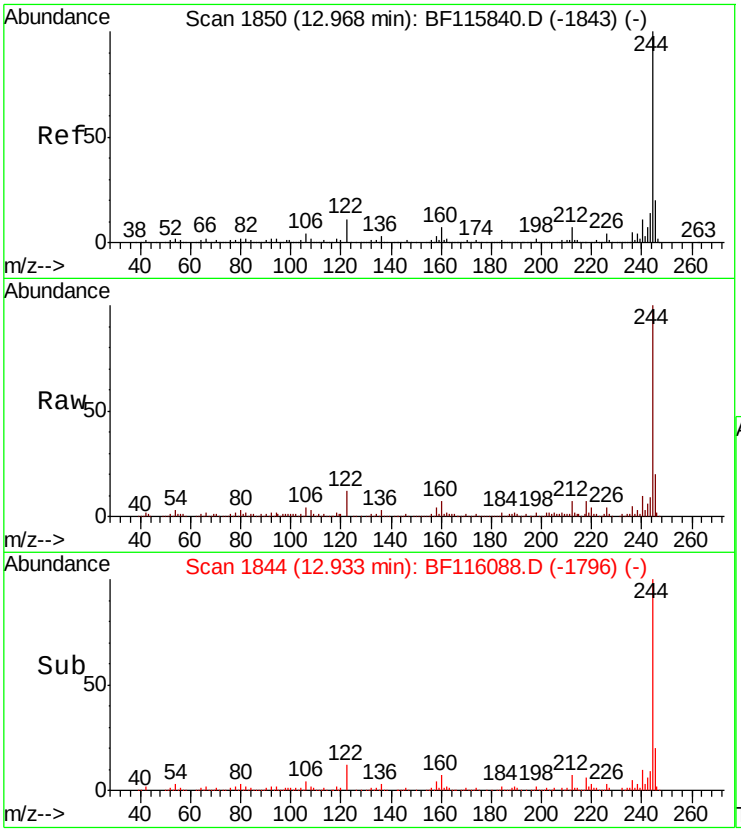


#78
Pyrene
Concen: 61.944 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:202 Resp: 1407196

Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.0	27.0
203	18.3	14.1	21.1

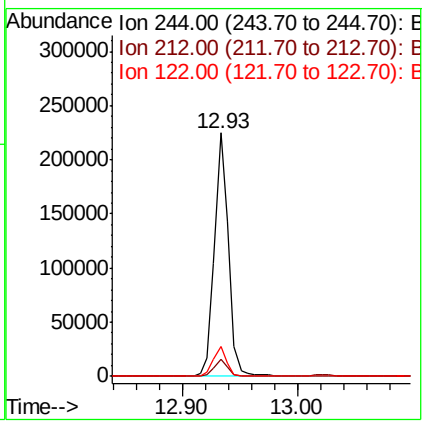




#79
Terphenyl-d14
Concen: 13.269 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:244 Resp: 189765

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.0	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
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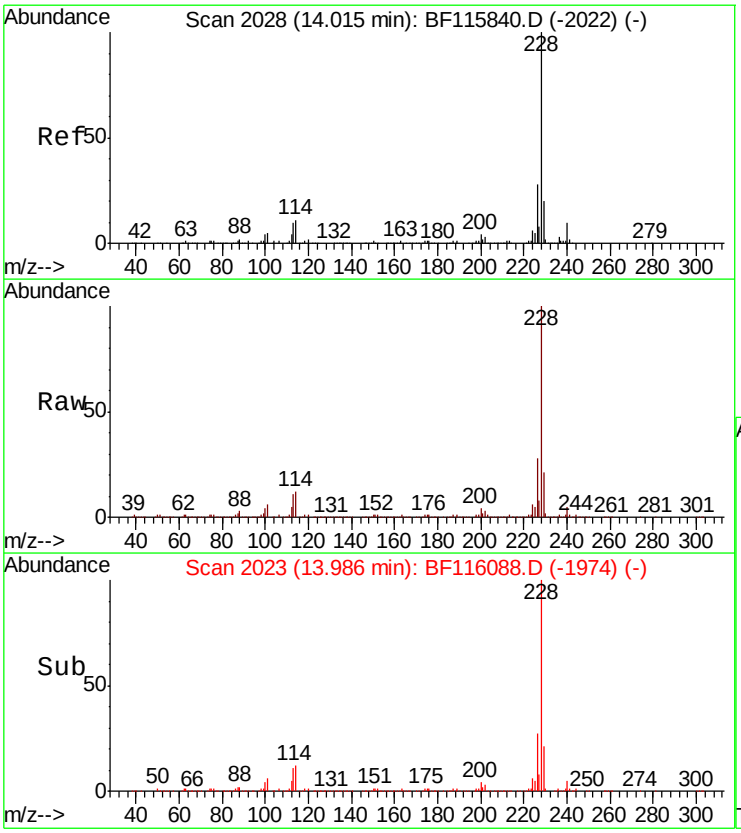
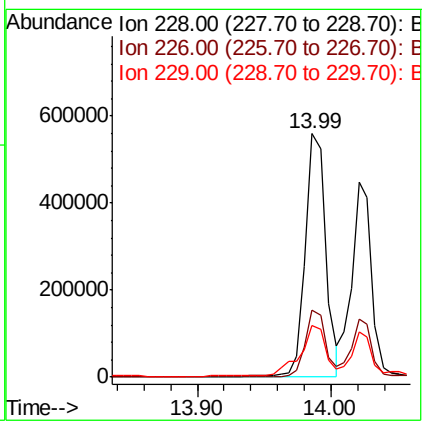
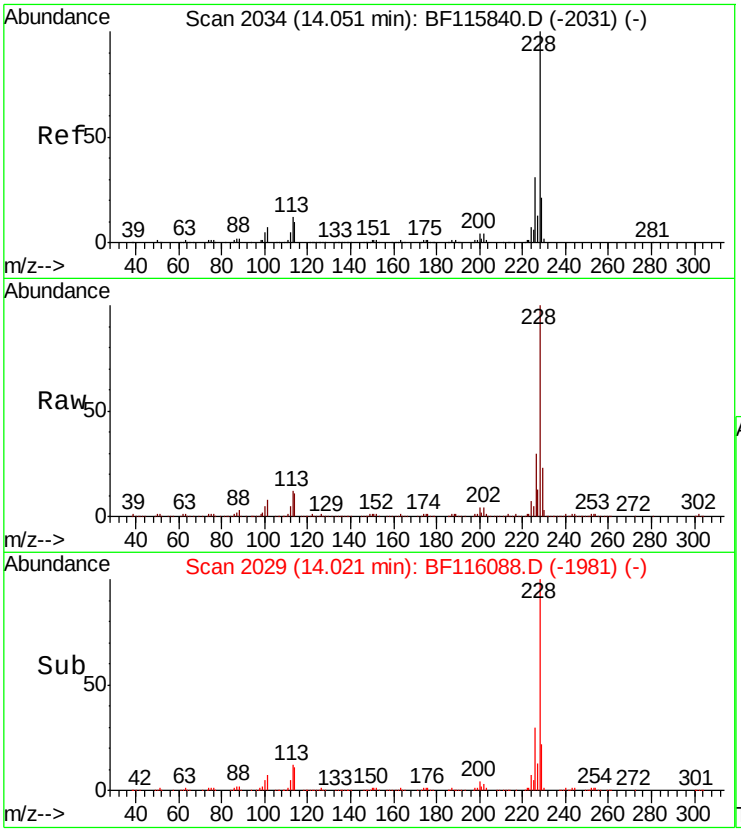


#81
Benzo(a)anthracene
Concen: 30.234 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:228 Resp: 582382

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.7	34.1
229	21.2	16.2	24.4

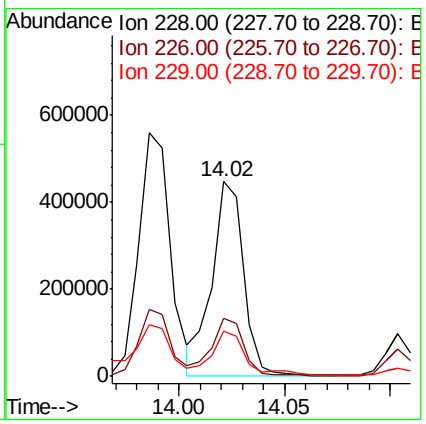




#83
Chrysene
Concen: 24.780 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:228 Resp: 463391

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.5	38.3
229	23.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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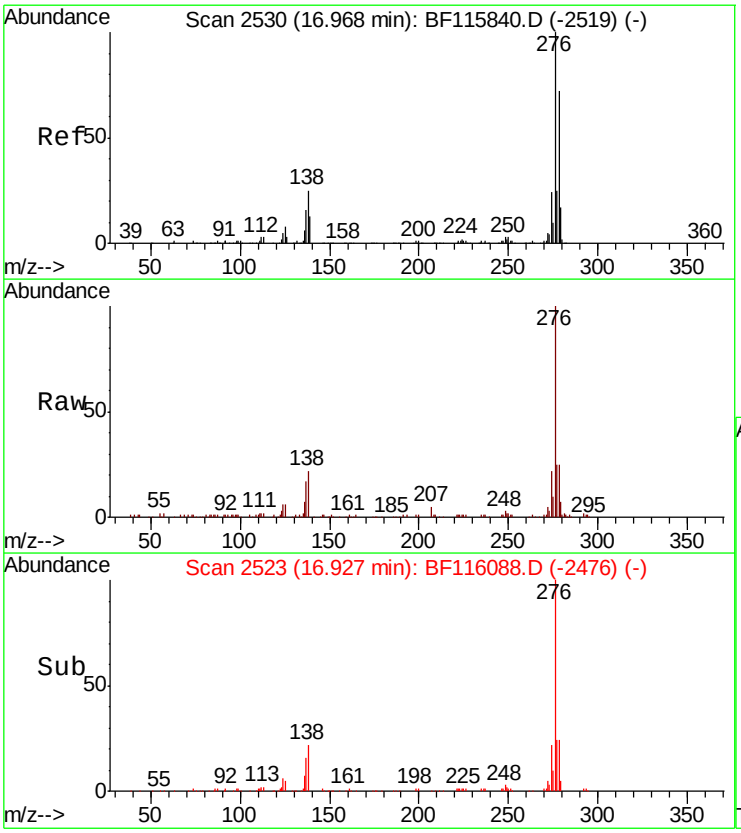
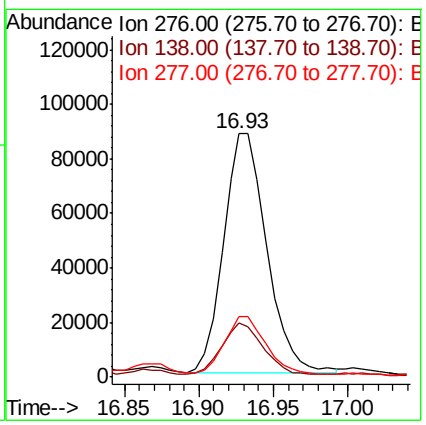
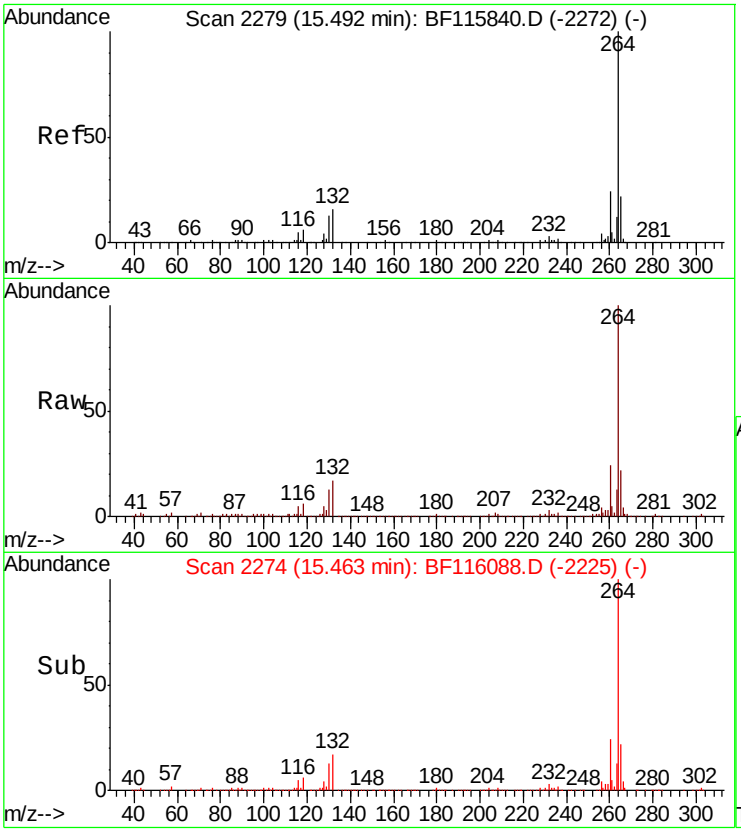


#86
Indeno(1,2,3-cd)pyrene
Concen: 11.145 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:276 Resp: 175044

Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.4	30.6
277	23.4	20.0	30.0

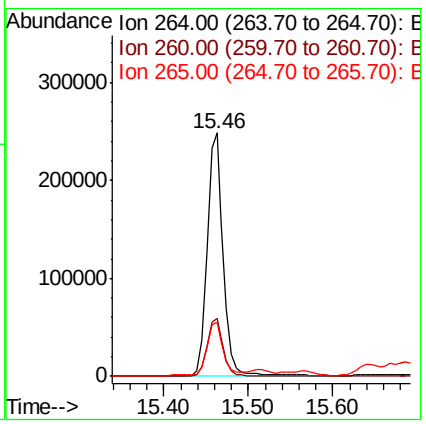




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:264 Resp: 327926

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	22.2	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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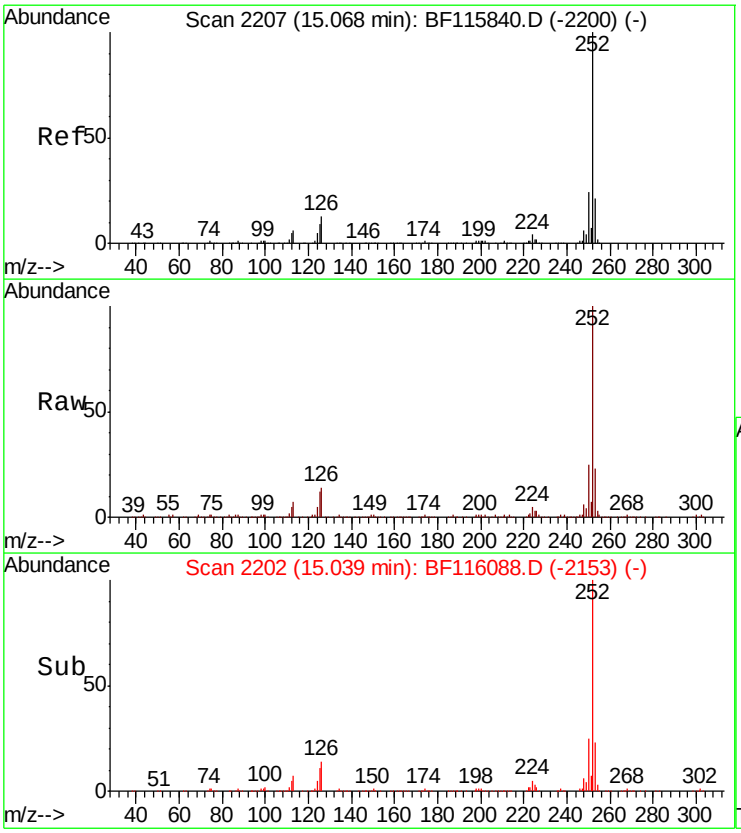
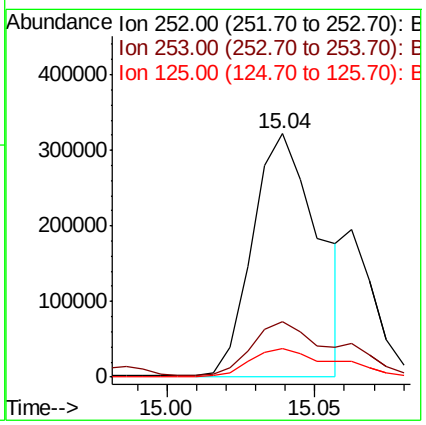
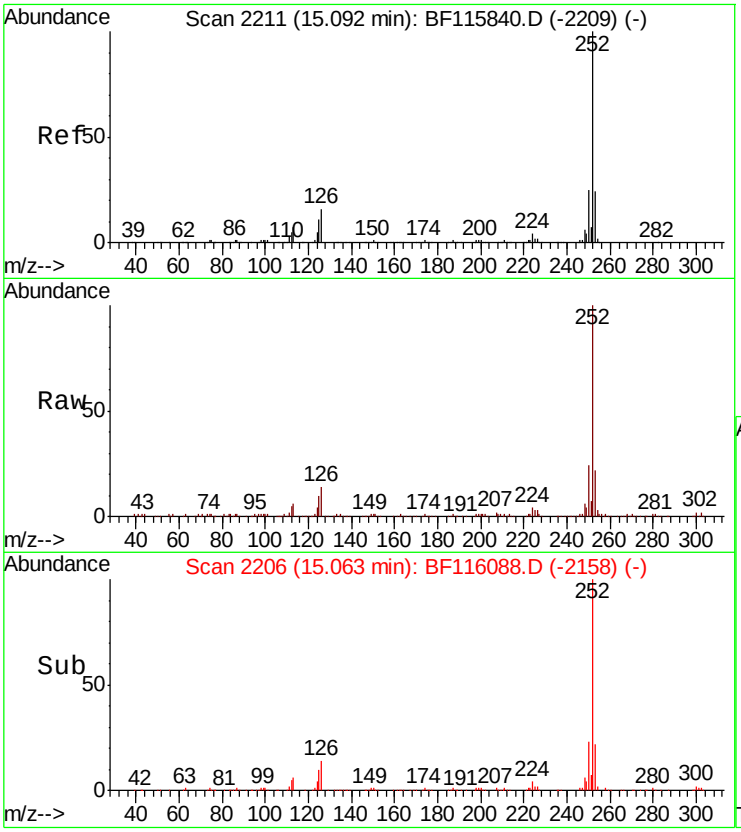


#88
Benzo(b)fluoranthene
Concen: 26.402 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:252 Resp: 500620

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.5	8.4	12.6

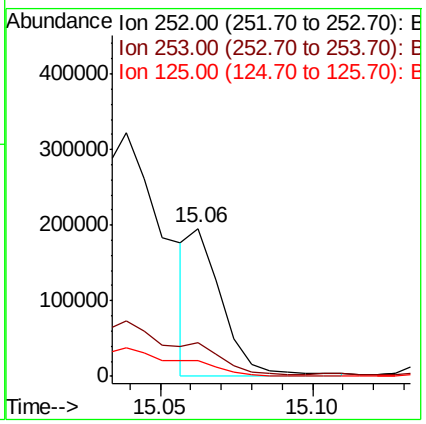




#89
Benzo(k)fluoranthene
Concen: 7.842 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:252 Resp: 144826

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.3	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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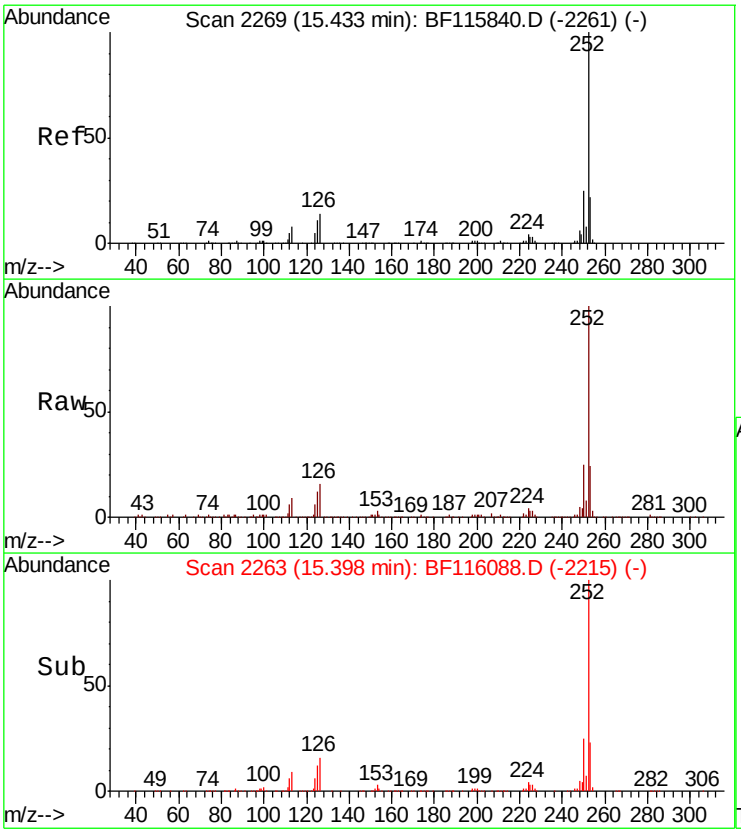
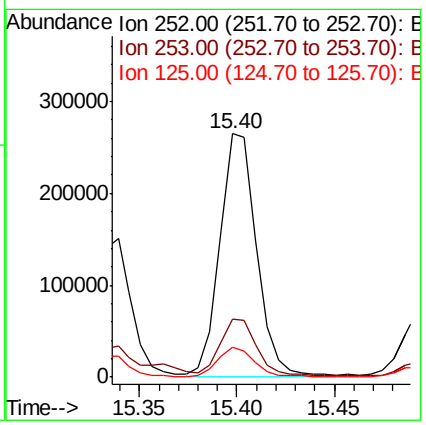
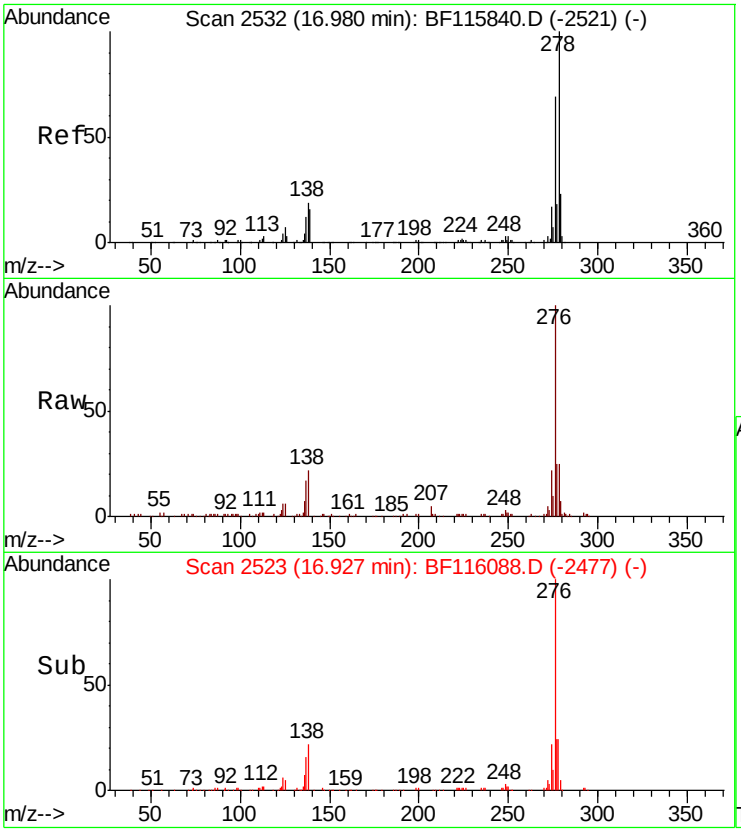


#90
Benzo(a)pyrene
Concen: 20.275 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:252 Resp: 343652

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	12.5	8.9	13.3





#91
Dibenzo(a,h)anthracene
Concen: 3.053 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.03 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:278 Resp: 44793

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	27.4	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMPDL

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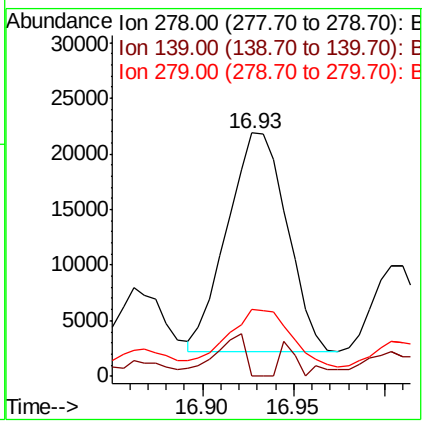

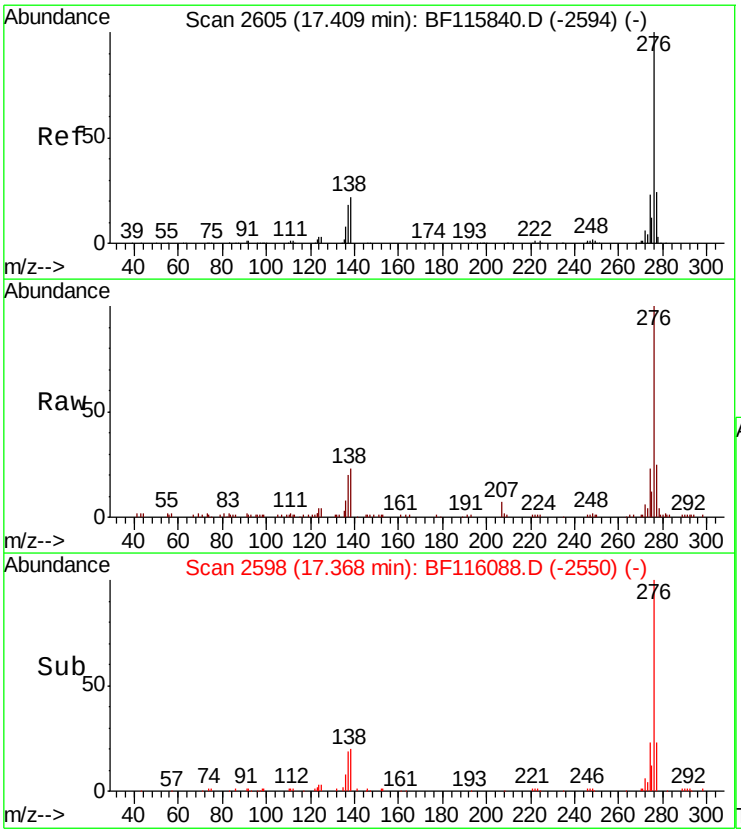

#92
Benzo(g,h,i)perylene
Concen: 9.962 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BF116088.D
Acq: 9 Aug 2019 00:45

Tgt Ion:276 Resp: 143546

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	22.6	17.0	25.6