Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116640.D
Acq On : 29 Aug 2019 2:51
Operator : HP/JU
Sample : K4088-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 29 03:36:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76652	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	292752	20.00	ng		0.00
39) Acenaphthene-d10	9.90	164	100426	20.00	ng		0.00
64) Phenanthrene-d10	11.38	188	155592	20.00	ng		0.00
76) Chrysene-d12	14.02	240	176392	20.00	ng		0.00
87) Perylene-d12	15.47	264	137694	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	263564	59.39	ng		0.00
7) Phenol-d6	6.49	99	315812	52.49	ng		0.00
23) Nitrobenzene-d5	7.42	82	191084	37.35	ng		-0.01
42) 2,4,6-Tribromophenol	10.68	330	41734	43.67	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	218283	36.17	ng		0.00
79) Terphenyl-d14	12.96	244	302583	27.90	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.49	77	571	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.42	70	25346	6.624	ng	#	79
25) Isophorone	7.42	82	191080	20.516	ng	#	65
31) Naphthalene	8.17	128	29656	2.115	ng		97
49) Acenaphthylene	9.76	152	37104	4.251	ng		99
50) Dimethylphthalate	9.60	163	14369	2.128	ng	#	96
51) 2,6-Dinitrotoluene	9.90	165	13459	9.040	ng	#	30
56) 4-Nitrophenol	10.10	139	6006	4.444	ng	#	11
57) 2,4-Dinitrotoluene	9.90	165	13459	6.851	ng	#	26
58) Fluorene	10.44	166	31885	5.279	ng		95
71) Phenanthrene	11.40	178	319029	38.174	ng		100
72) Anthracene	11.45	178	94368	11.293	ng		99
73) Carbazole	11.60	167	23156	3.256	ng	#	96
75) Fluoranthene	12.59	202	491210	65.537	ng		99
78) Pyrene	12.82	202	451103	27.812	ng		99
81) Benzo(a)anthracene	14.00	228	403000	34.268	ng		95
83) Chrysene	14.04	228	317331	27.563	ng		98
86) Indeno(1,2,3-cd)pyrene	16.93	276	86125	12.702	ng	#	93
88) Benzo(b)fluoranthene	15.05	252	774738	91.622	ng		96
89) Benzo(k)fluoranthene	15.05	252	774738	96.389	ng	#	95
90) Benzo(a)pyrene	15.42	252	264638	35.067	ng		96
91) Dibenzo(a,h)anthracene	17.10	278	19073	2.709	ng		98
92) Benzo(g,h,i)perylene	17.37	276	75083	10.254	ng		97

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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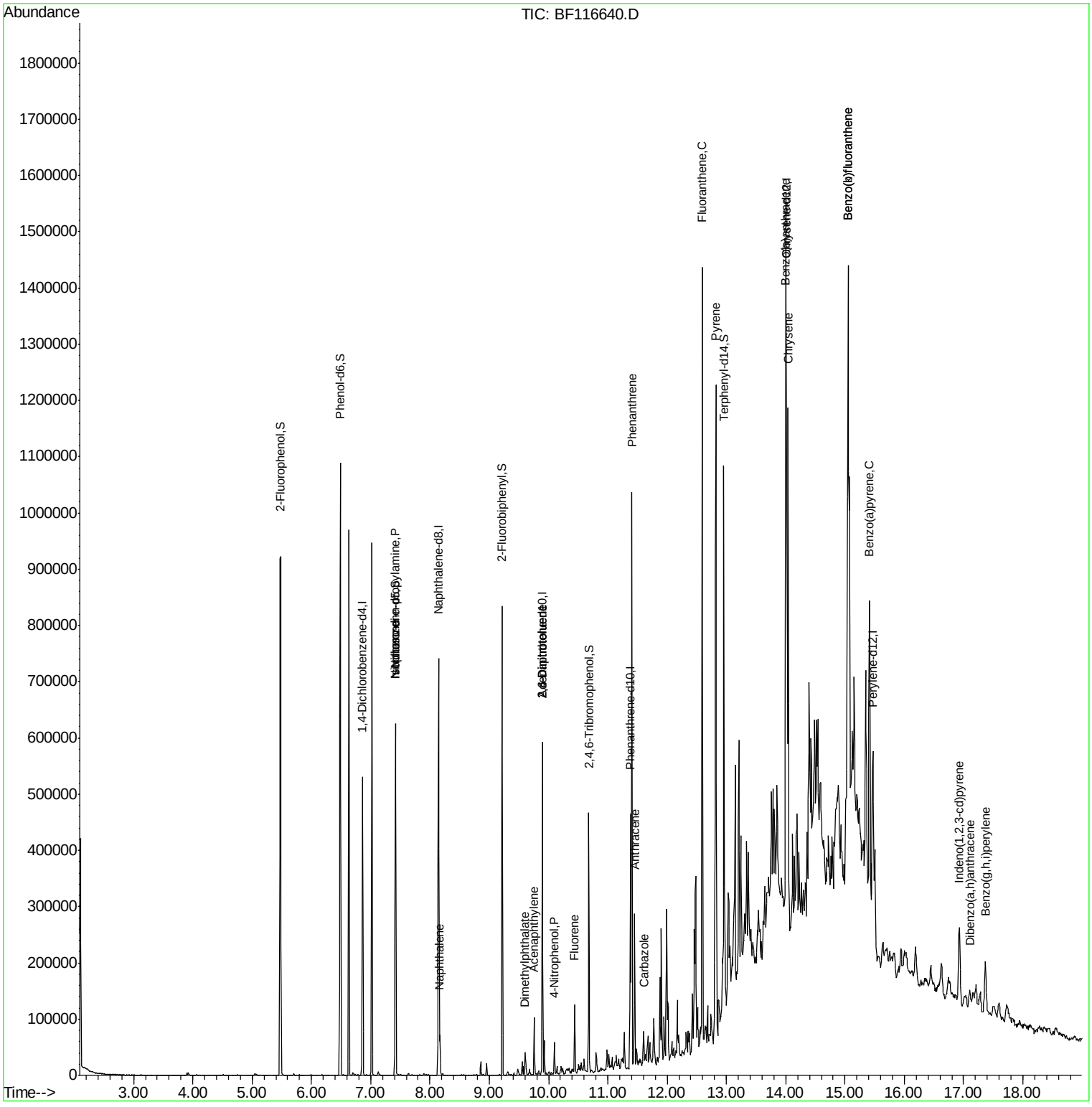
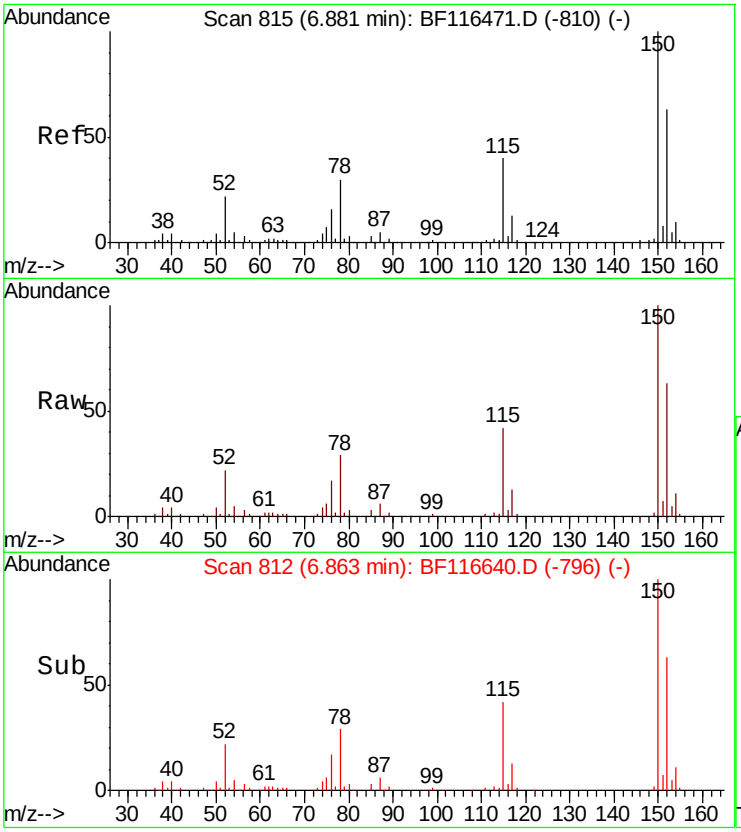


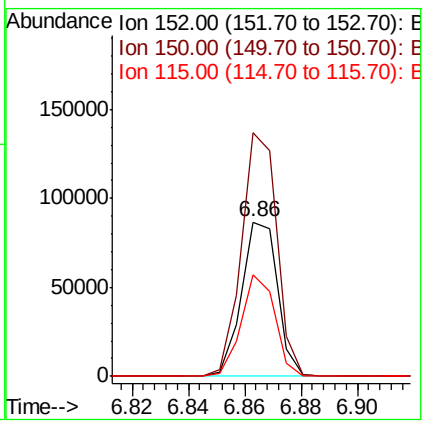


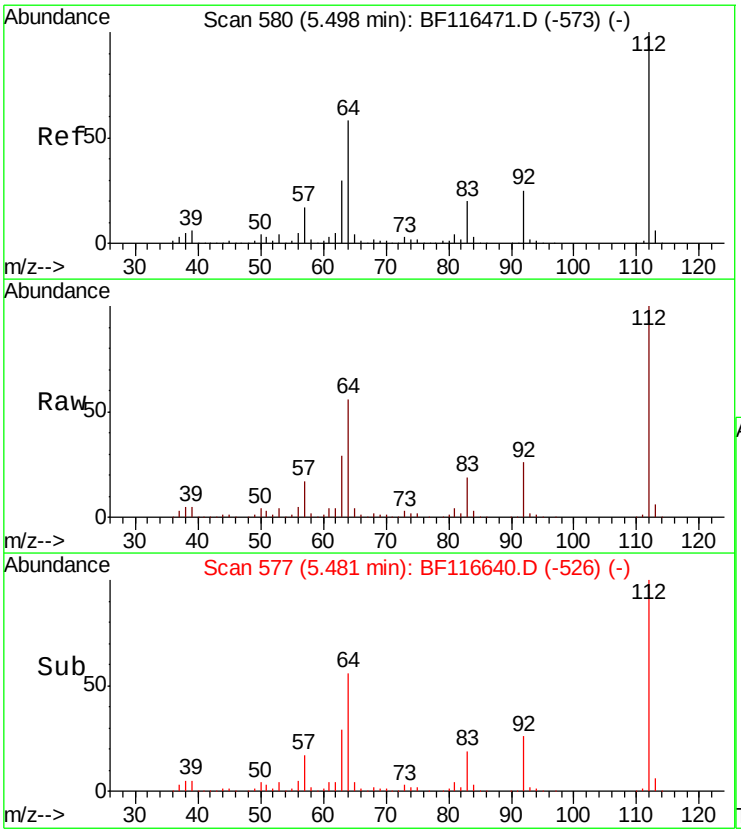
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 76652

Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.4	185.2
115	65.8	48.2	72.2

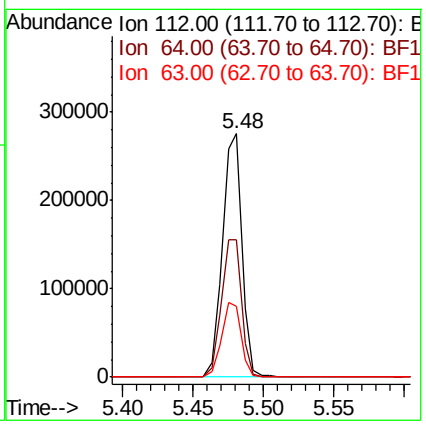


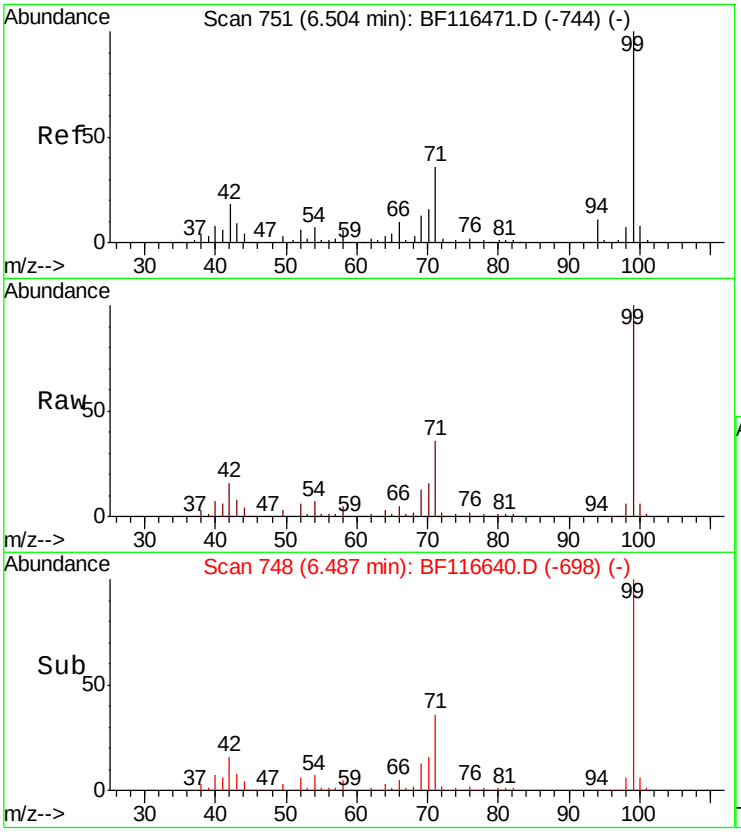


#5
2-Fluorophenol
Concen: 59.390 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:112 Resp: 263564

Ion	Ratio	Lower	Upper
112	100		
64	56.5	48.0	72.0
63	29.0	24.6	36.8



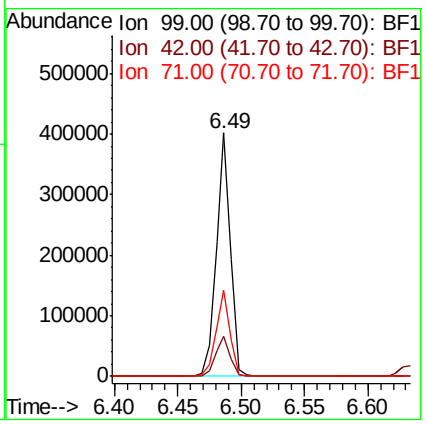


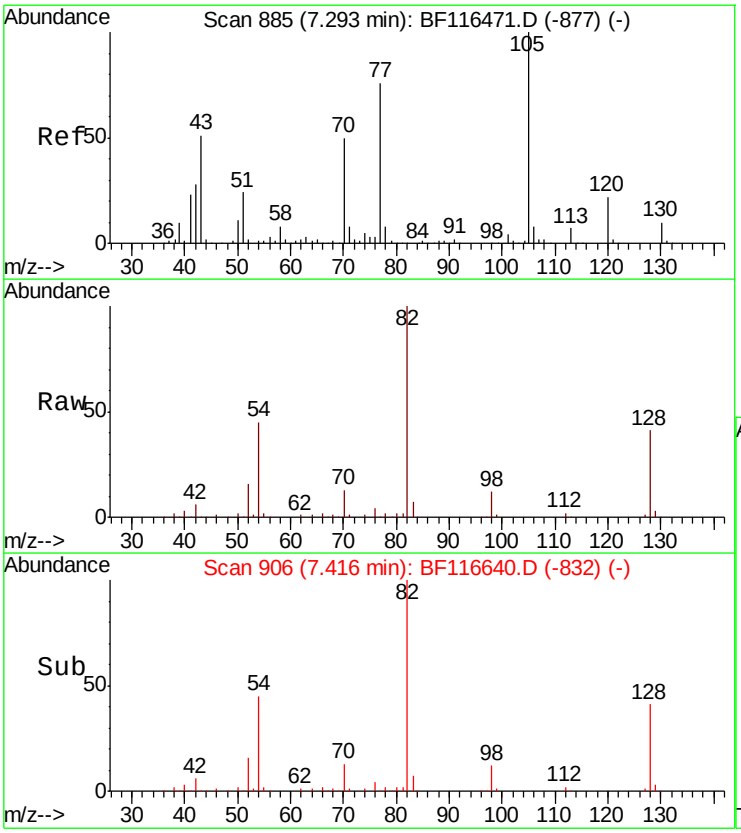
#7
Phenol-d6
Concen: 52.490 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 315812

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.2	19.8
71	35.6	27.4	41.2

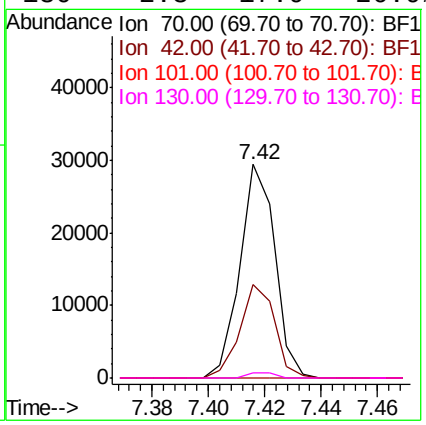


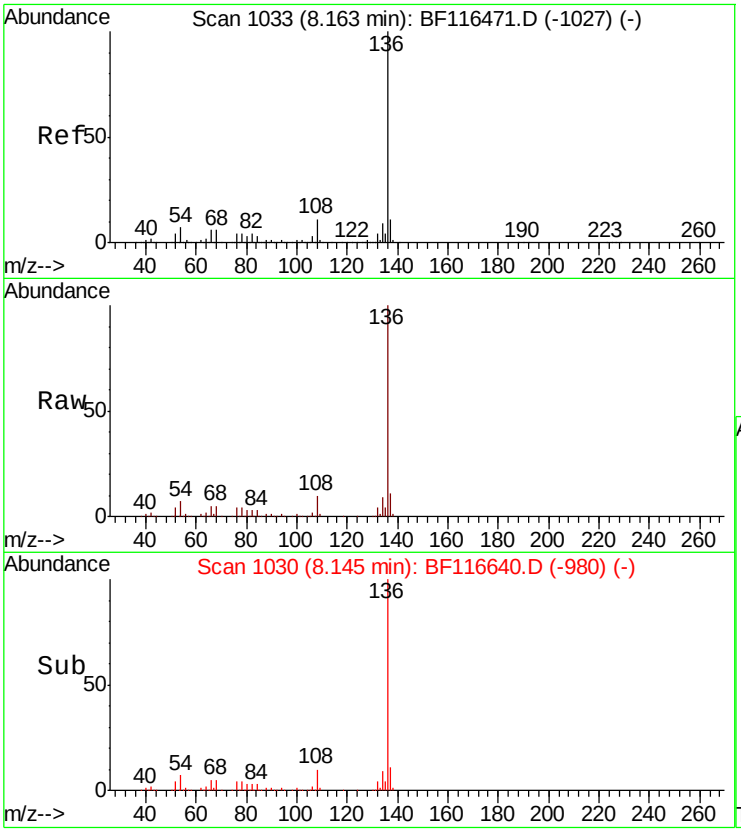


#19
n-Nitroso-di-n-propylamine
Concen: 6.624 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion: 70 Resp: 25346

Ion	Ratio	Lower	Upper
70	100		
42	43.5	41.2	61.8
101	0.0	7.7	11.5#
130	2.3	17.9	26.9#



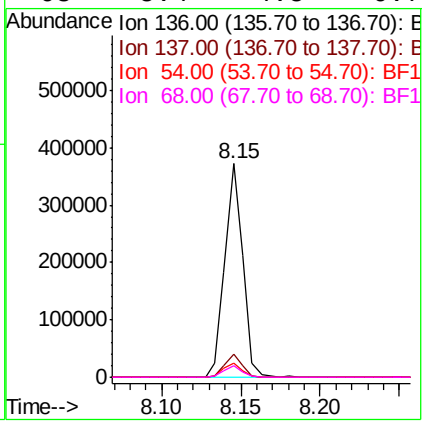


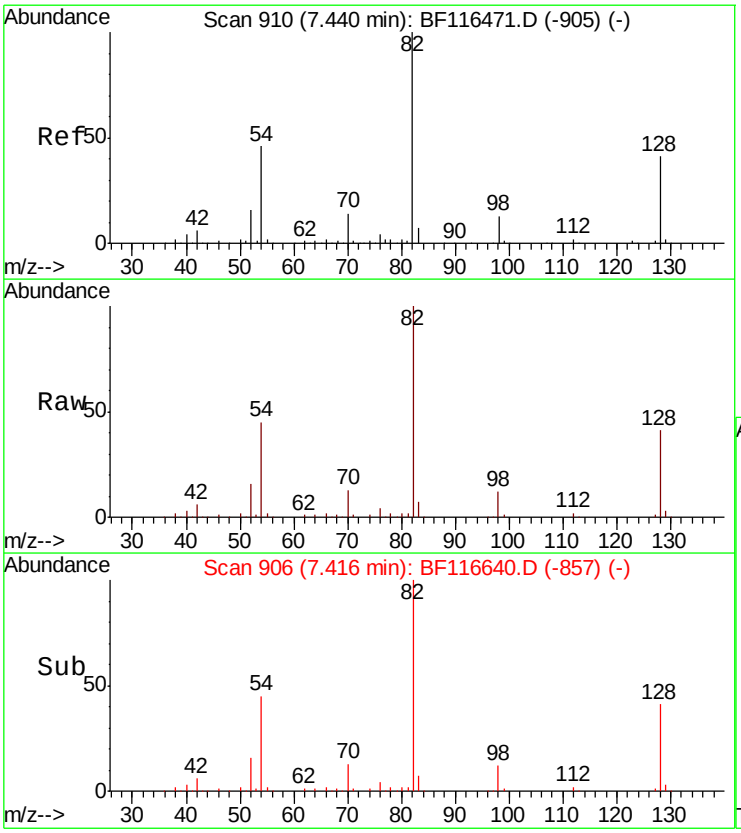
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 292752

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.6	5.0	7.4
68	5.4	4.5	6.7

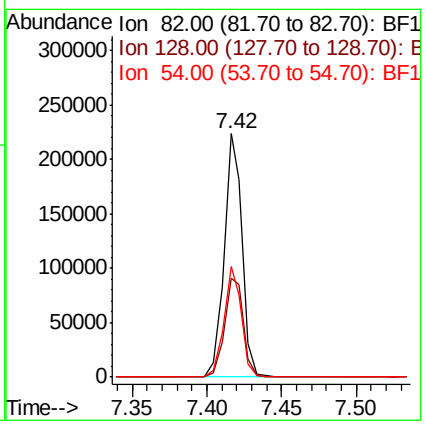


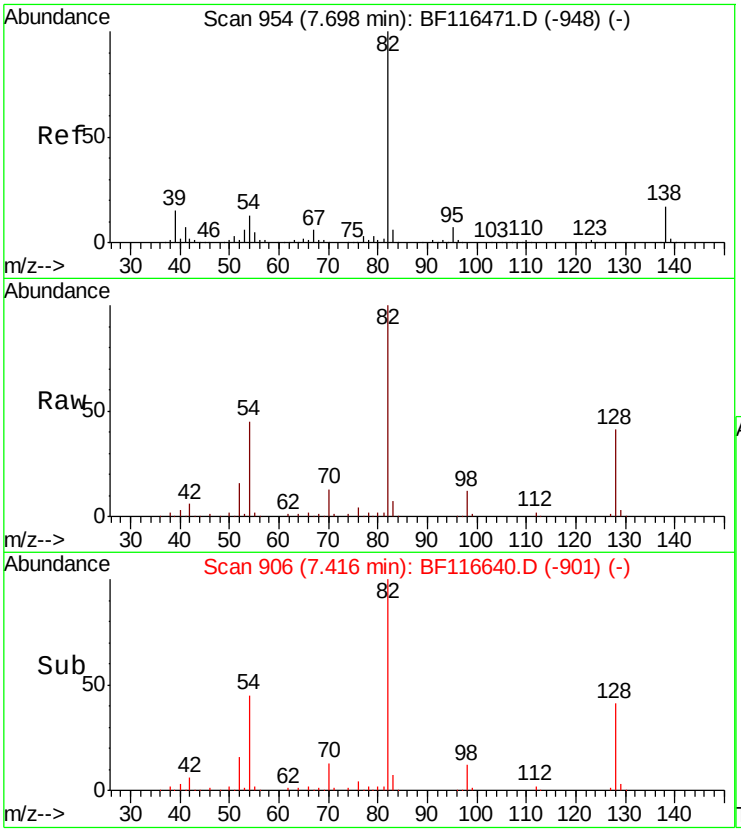


#23
Nitrobenzene-d5
Concen: 37.348 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion: 82 Resp: 191084

Ion	Ratio	Lower	Upper
82	100		
128	40.8	35.0	52.6
54	45.2	34.4	51.6



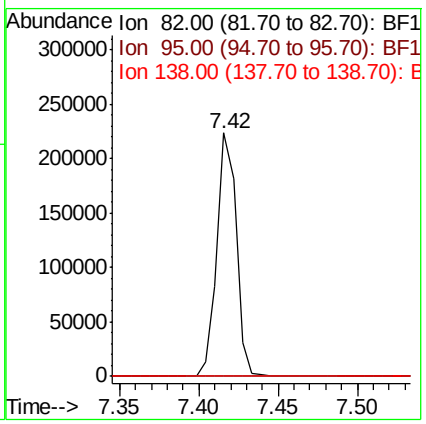


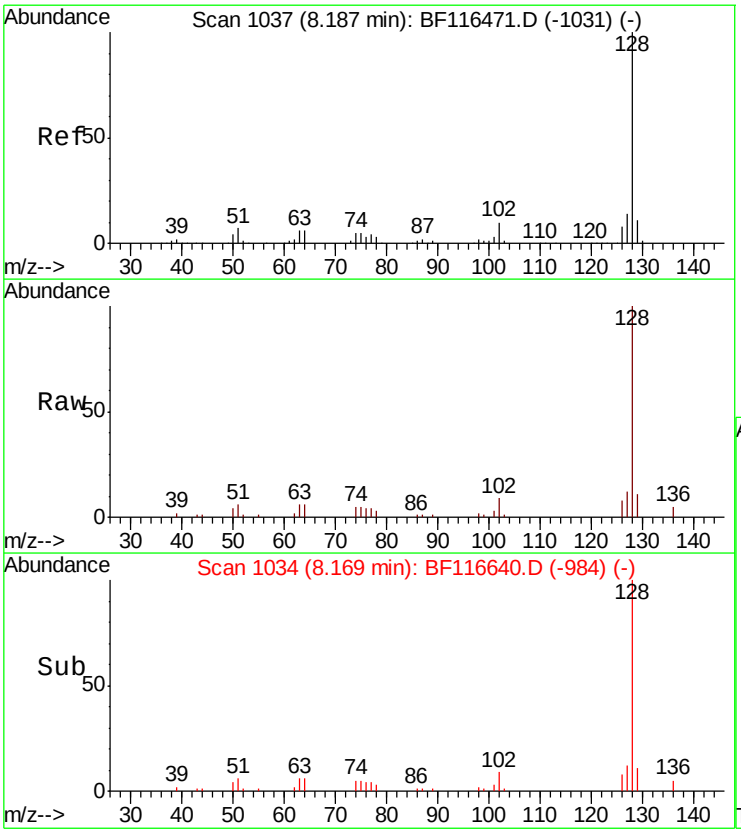
#25
Isophorone
Concen: 20.516 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.27 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 191080

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.4	21.6#

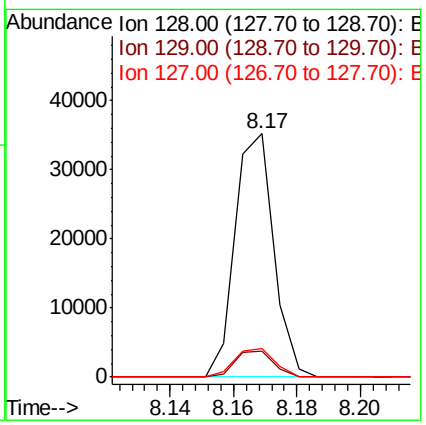


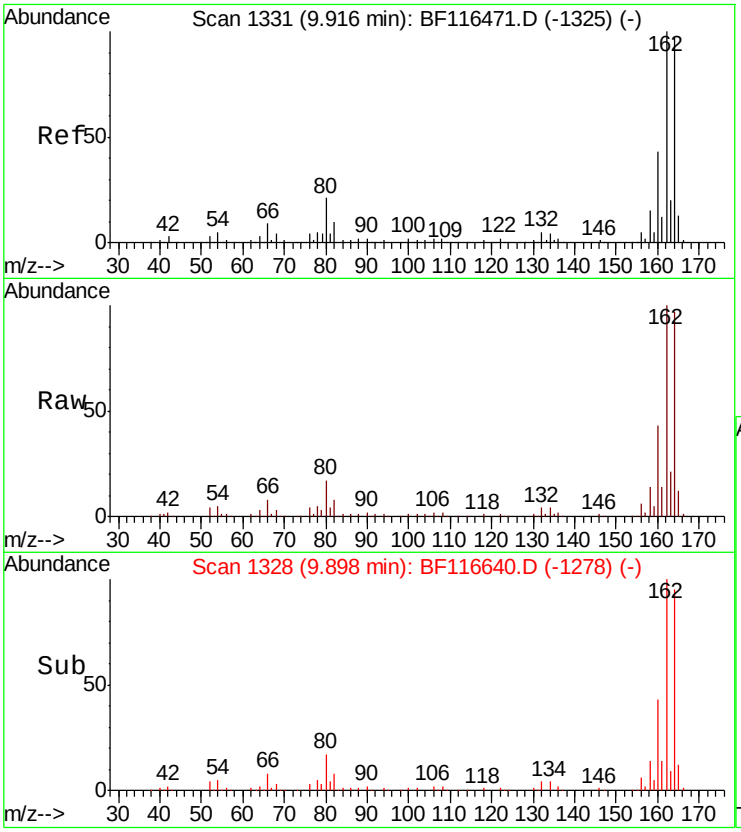


#31
Naphthalene
Concen: 2.115 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:128 Resp: 29656

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	11.6	10.9	16.3



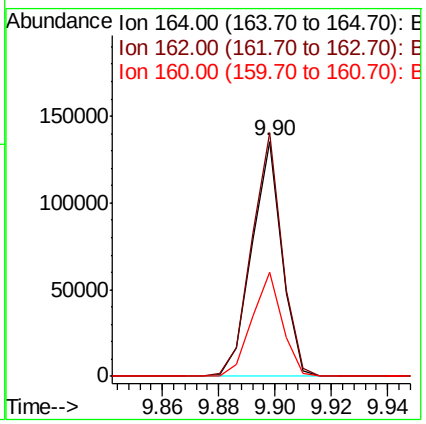


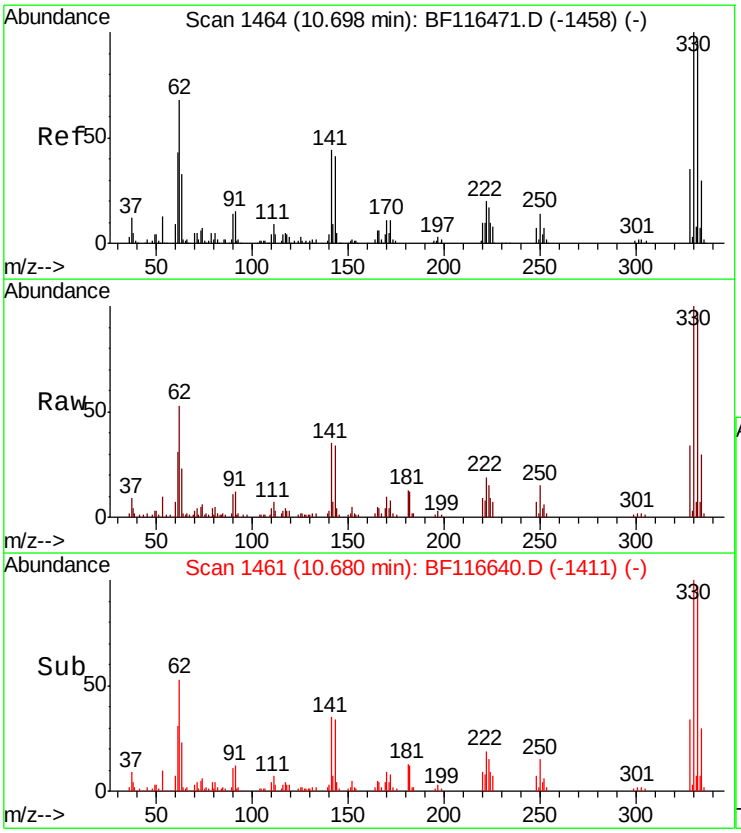
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 100426

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.4	125.0
160	44.5	37.0	55.4

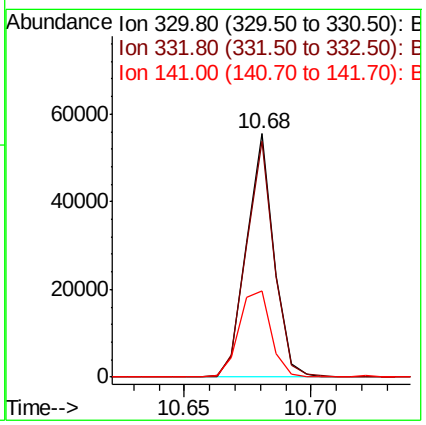


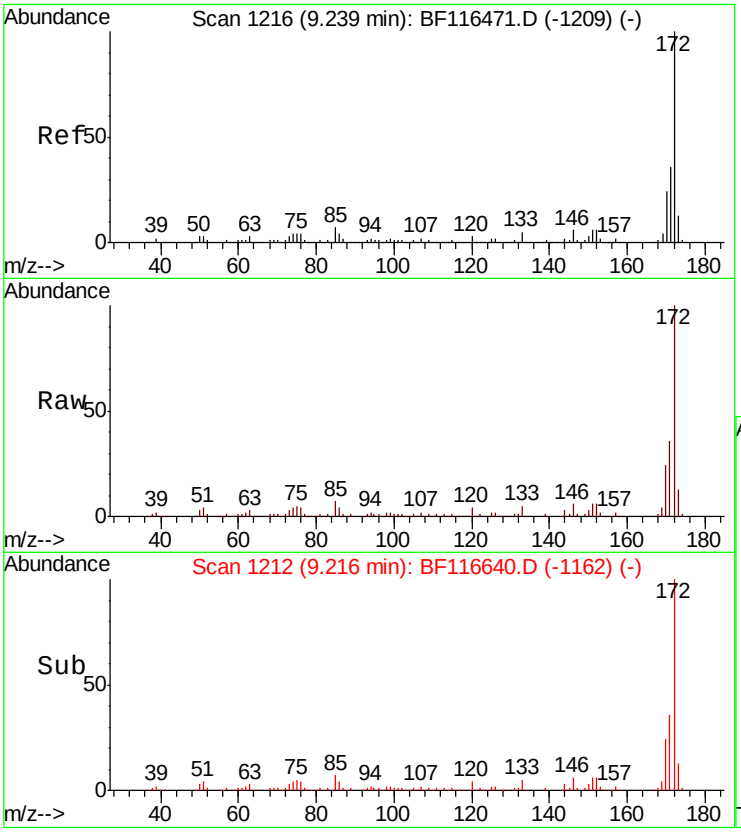


#42
2,4,6-Tribromophenol
Concen: 43.670 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:330 Resp: 41734

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.5	116.3
141	41.4	28.2	42.2



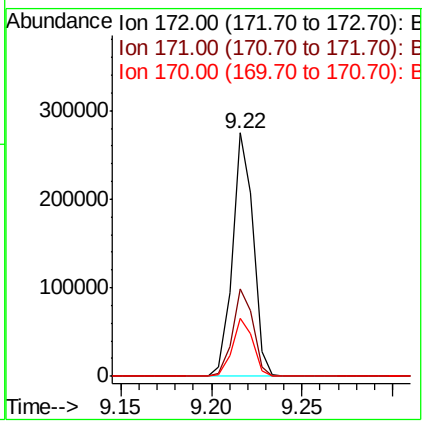


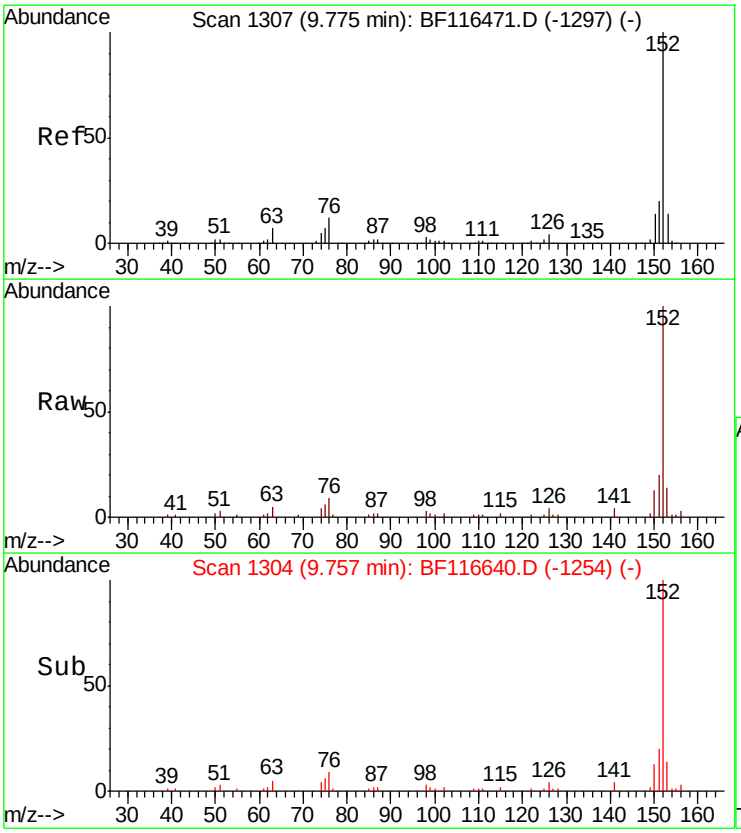
#45
2-Fluorobiphenyl
Concen: 36.173 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 218283

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.6	19.3	28.9

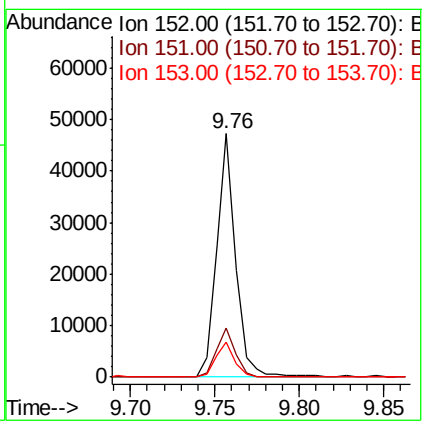


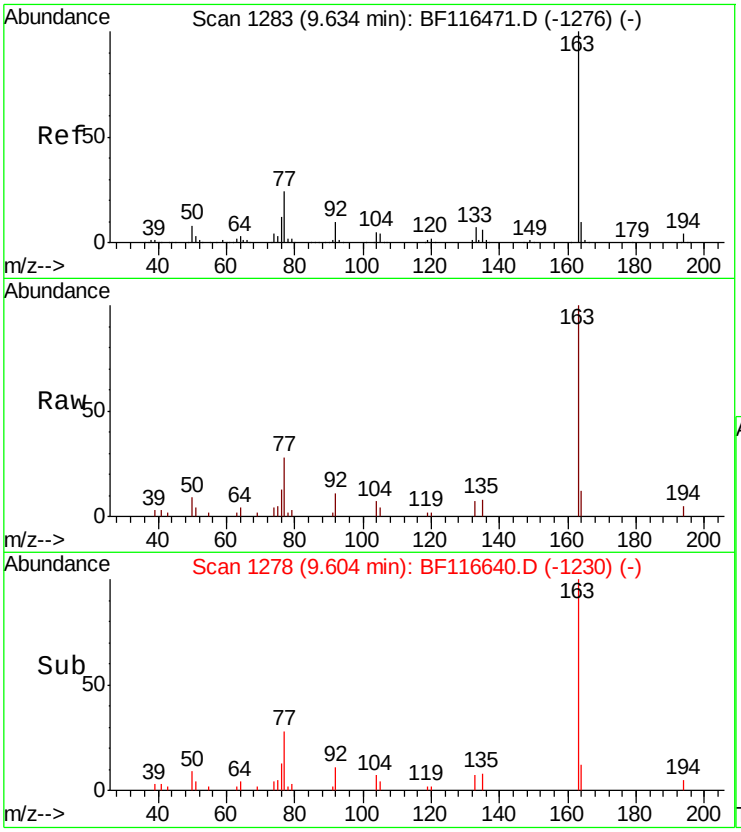


#49
Acenaphthylene
Concen: 4.251 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:152 Resp: 37104

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	14.4	11.3	16.9



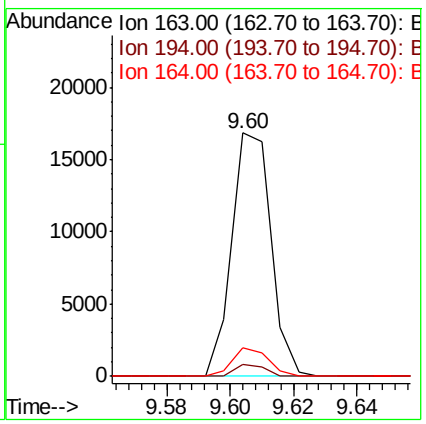


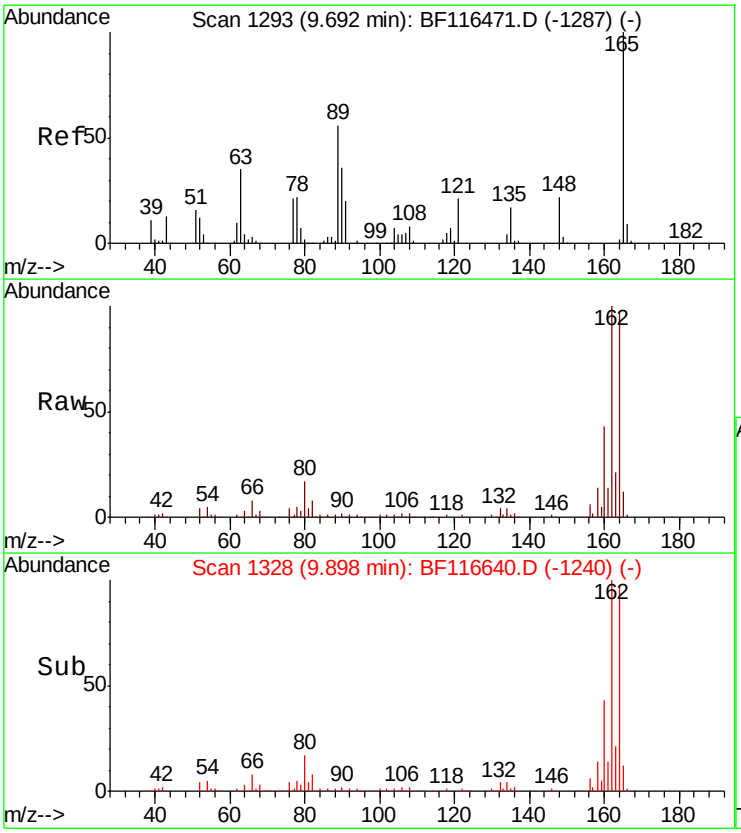
#50
Dimethylphthalate
Concen: 2.128 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 14369

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.0	4.6#
164	11.8	8.2	12.2

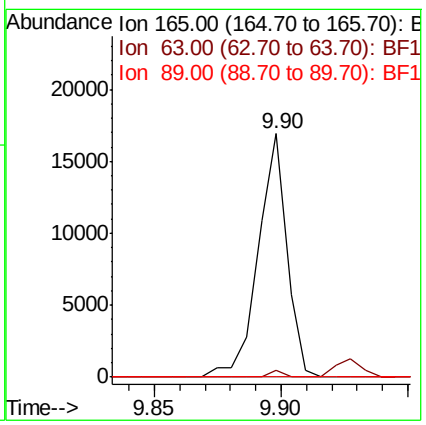


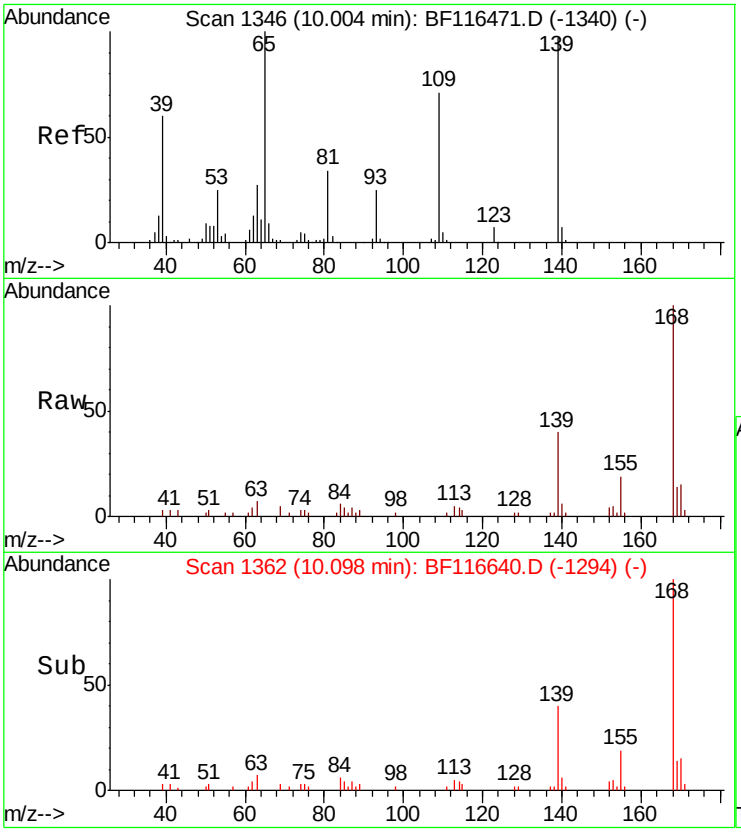


#51
2,6-Dinitrotoluene
Concen: 9.040 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.22 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:165 Resp: 13459

Ion	Ratio	Lower	Upper
165	100		
63	2.6	37.2	55.8#
89	0.0	40.8	61.2#



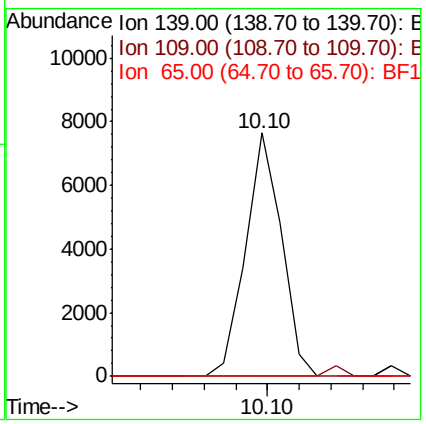


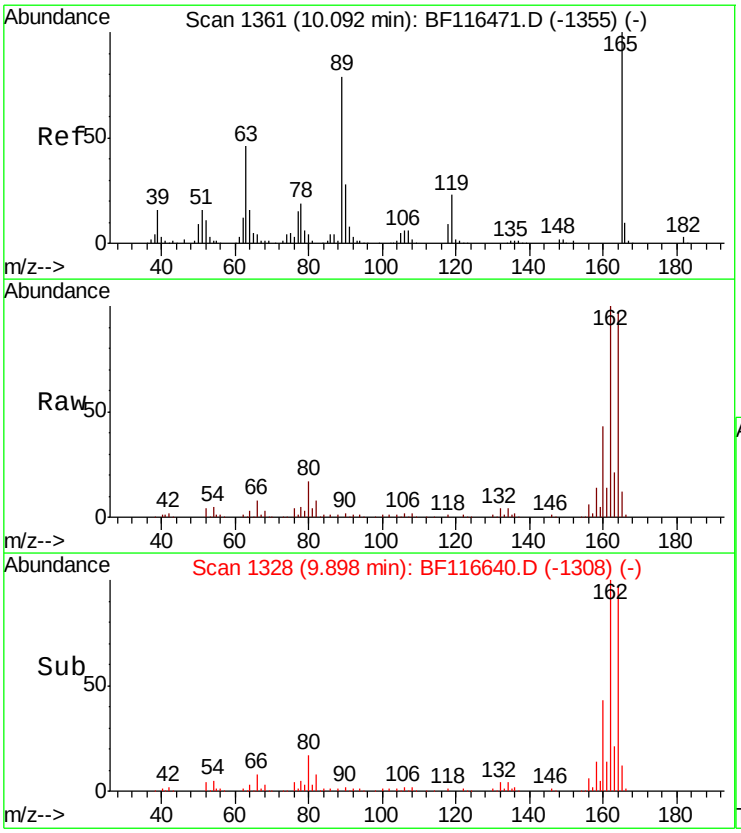
#56
4-Nitrophenol
Concen: 4.444 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 6006

Ion	Ratio	Lower	Upper
139	100		
109	0.0	45.5	85.5#
65	0.0	66.8	106.8#

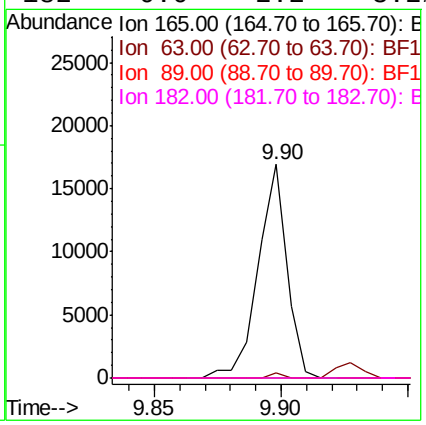


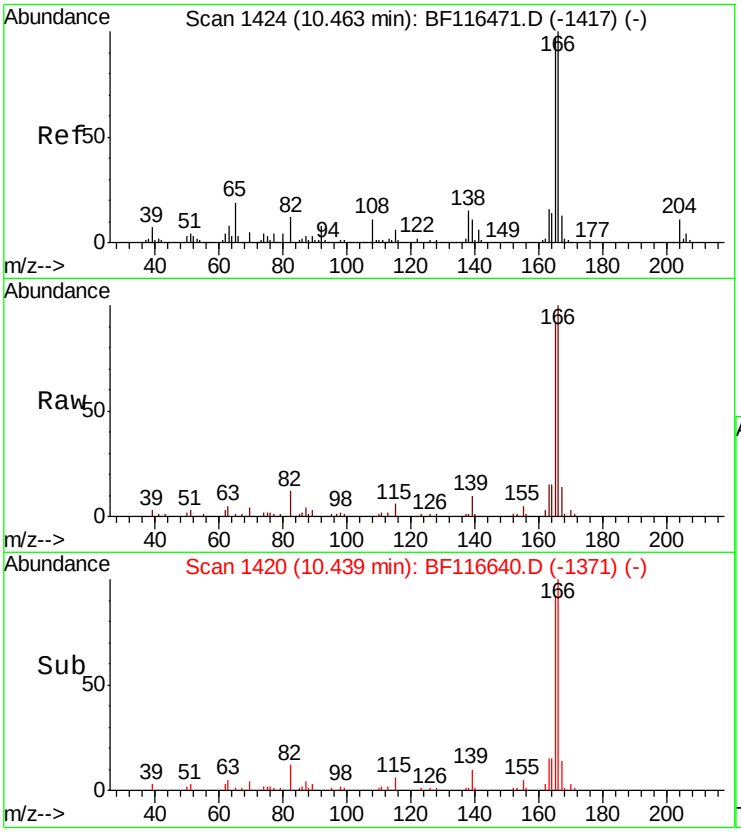


#57
2,4-Dinitrotoluene
Concen: 6.851 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.18 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:165 Resp: 13459

Ion	Ratio	Lower	Upper
165	100		
63	2.6	30.9	46.3#
89	0.0	55.0	82.6#
182	0.0	2.2	3.2#



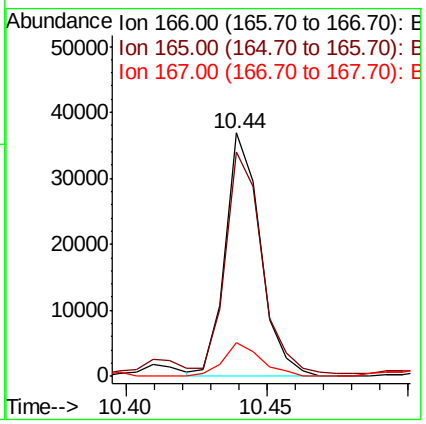


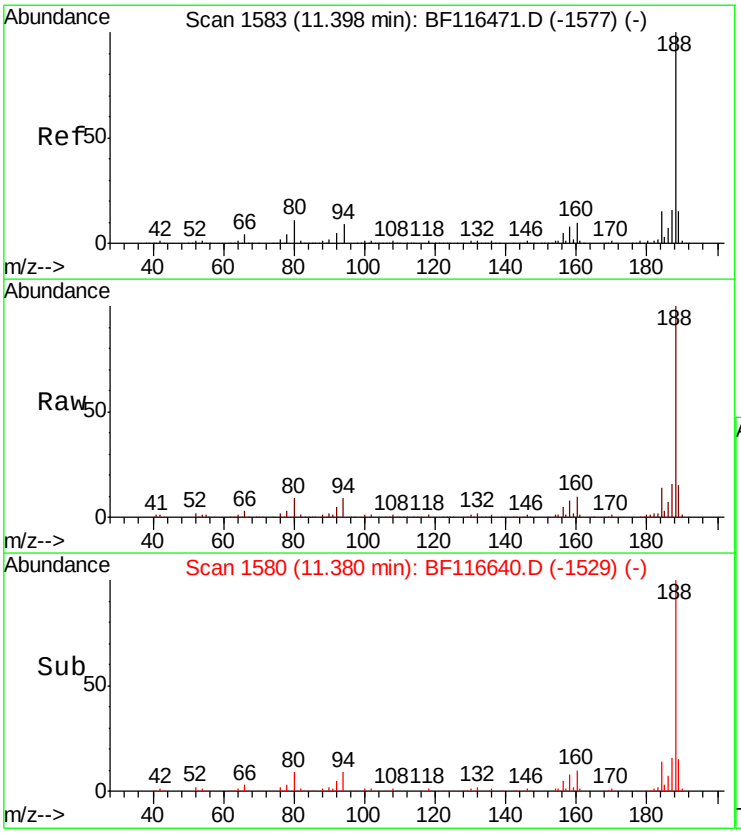
#58
Fluorene
Concen: 5.279 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 31885

Ion	Ratio	Lower	Upper
166	100		
165	92.3	77.8	116.6
167	13.8	10.6	16.0

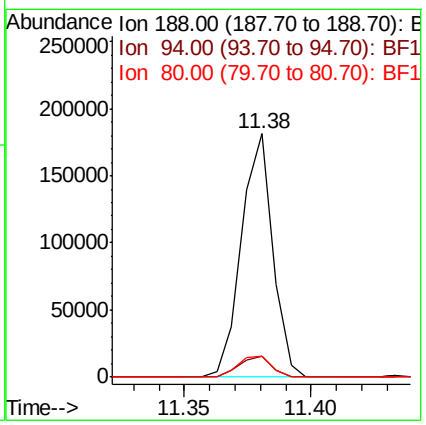


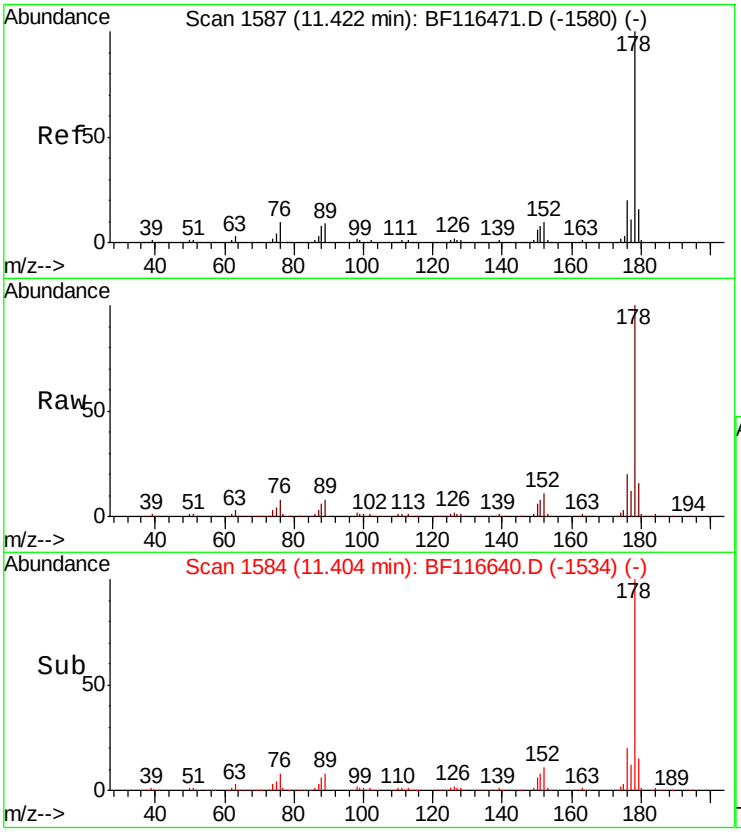


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:188 Resp: 155592

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.4
80	8.8	8.9	13.3#



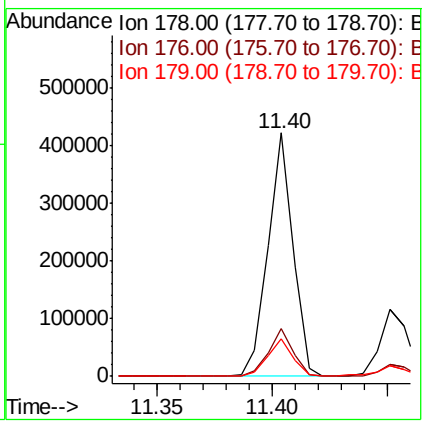


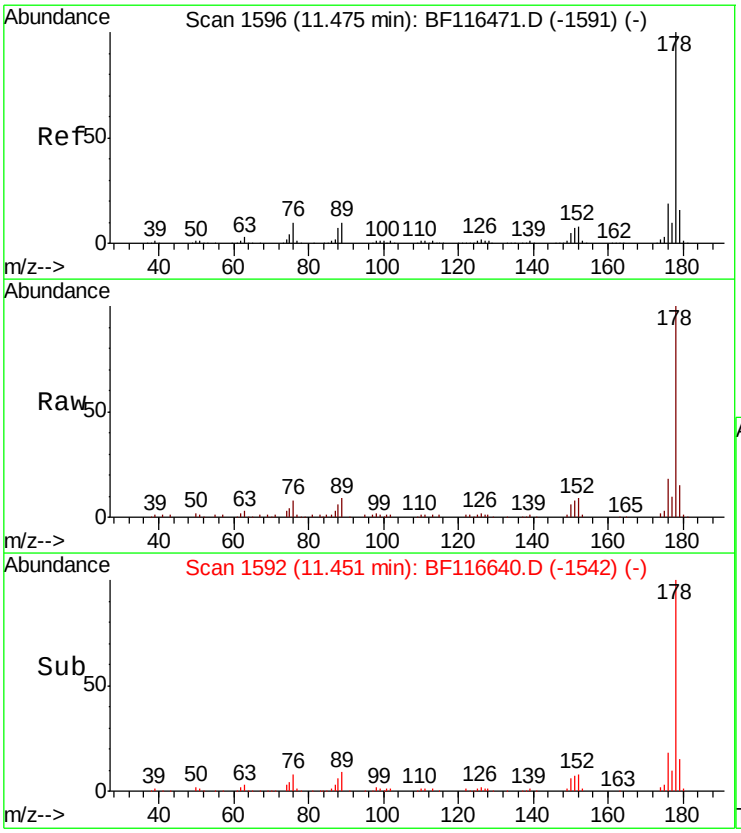
#71
Phenanthrene
Concen: 38.174 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 319029

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.5	12.4	18.6

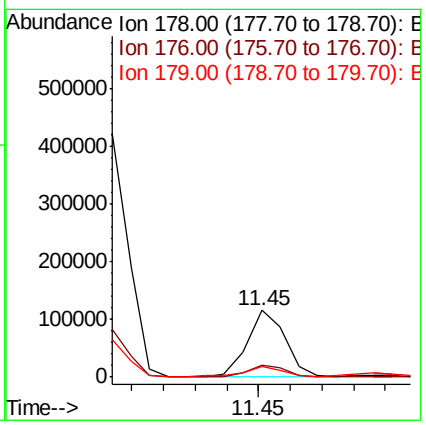


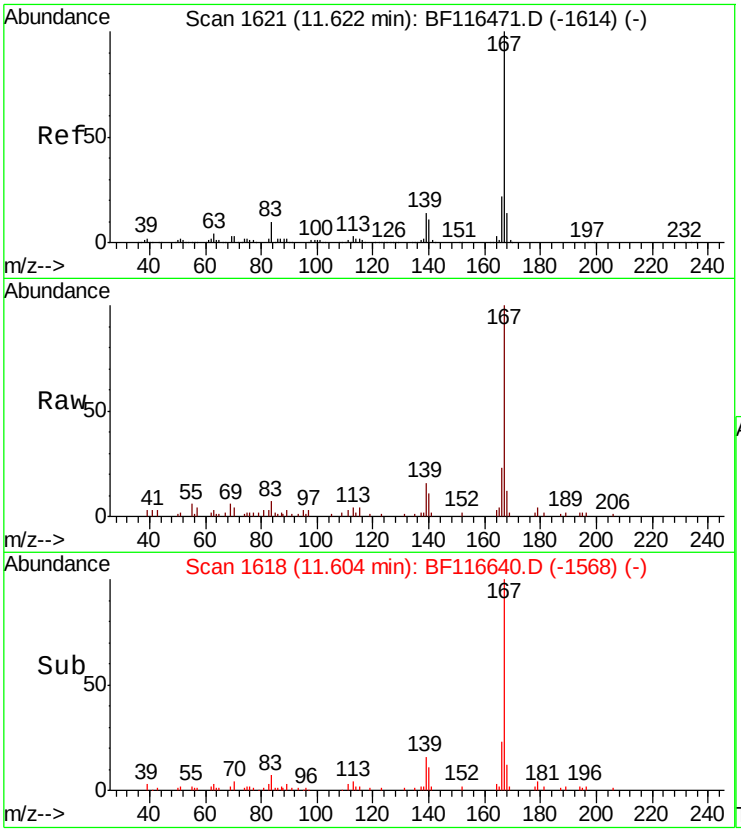


#72
Anthracene
Concen: 11.293 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:178 Resp: 94368

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.3	12.7	19.1



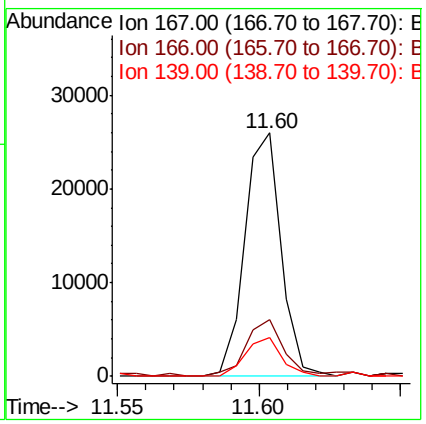


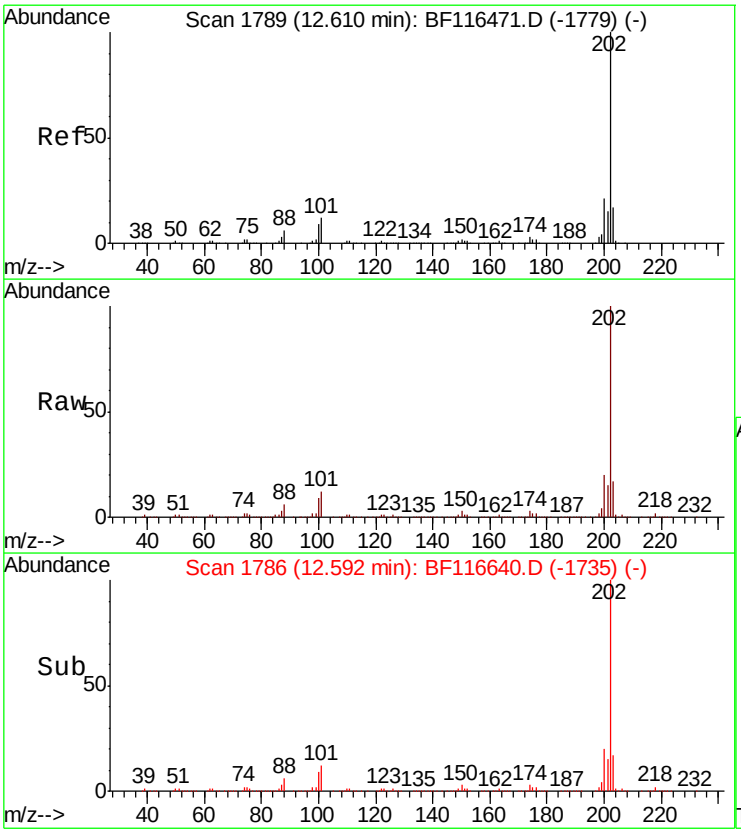
#73
Carbazole
Concen: 3.256 ng
RT: 11.60 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 23156

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.9	26.9
139	16.1	10.3	15.5#

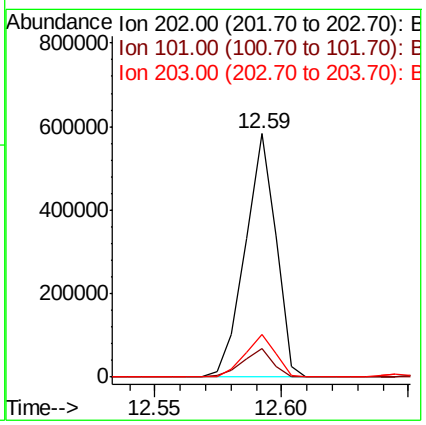


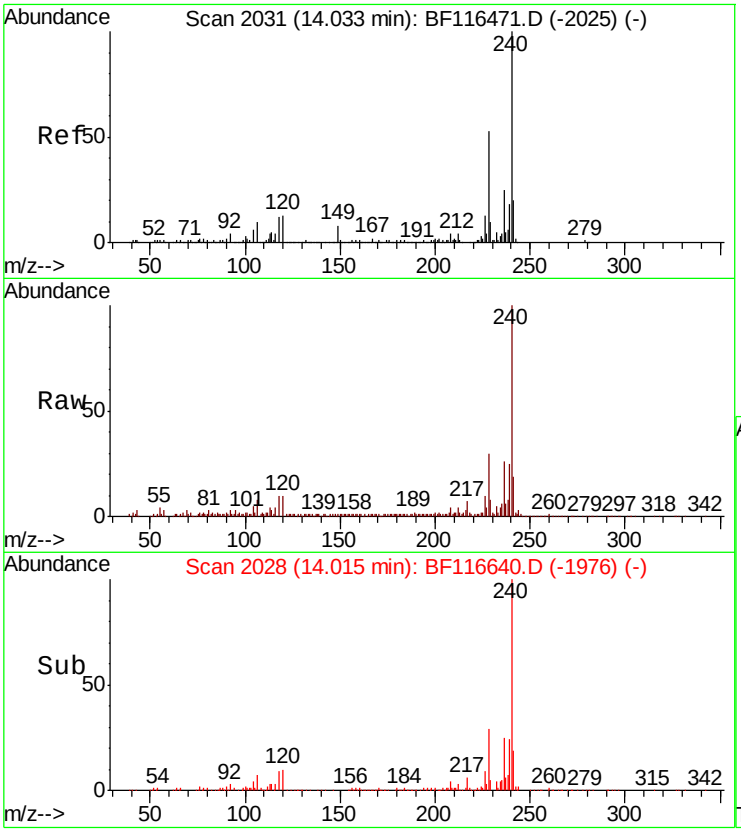


#75
Fluoranthene
Concen: 65.537 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:202 Resp: 491210

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.8
203	17.5	0.0	37.1



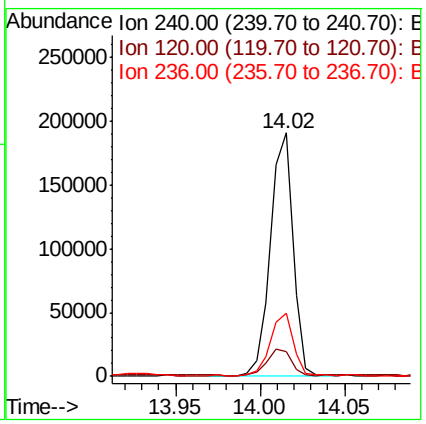


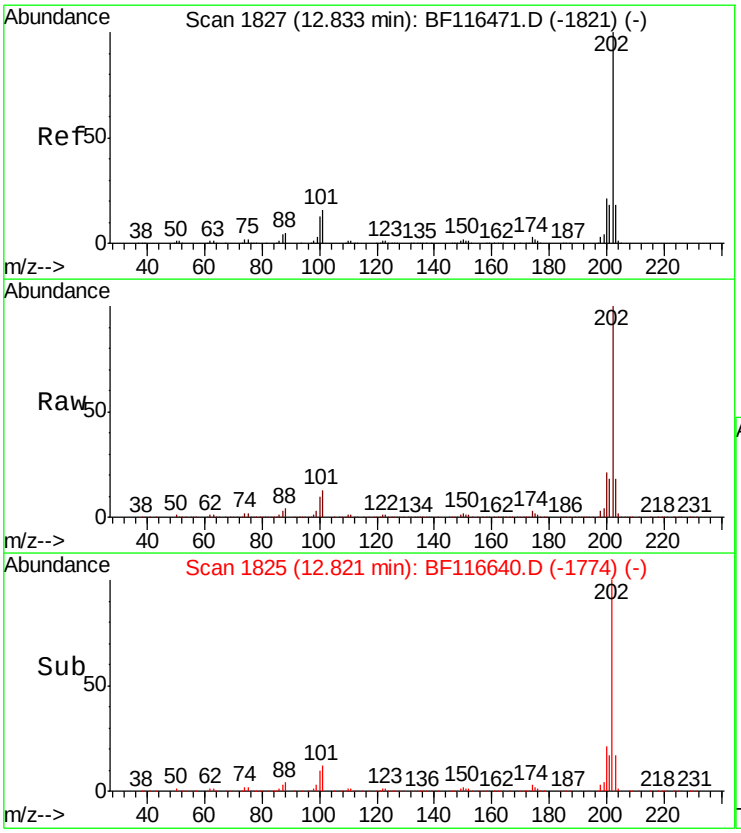
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 176392

Ion	Ratio	Lower	Upper
240	100		
120	10.3	11.3	16.9#
236	25.9	21.4	32.2

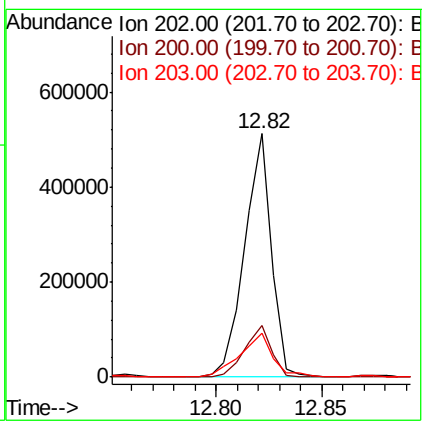


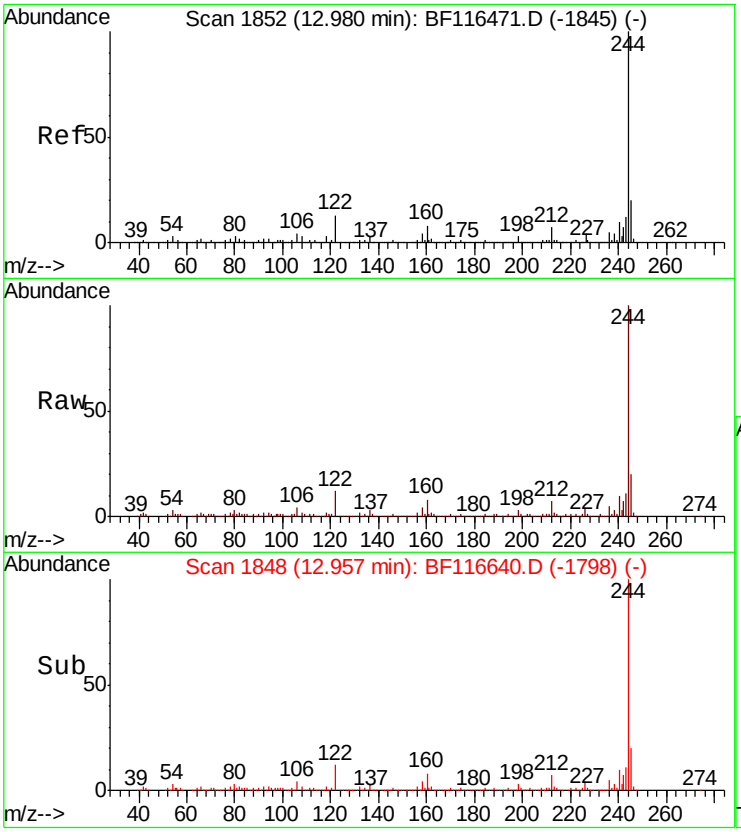


#78
Pyrene
Concen: 27.812 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:202 Resp: 451103

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.8	14.2	21.4



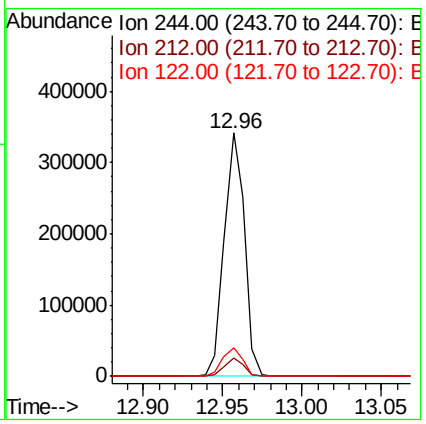


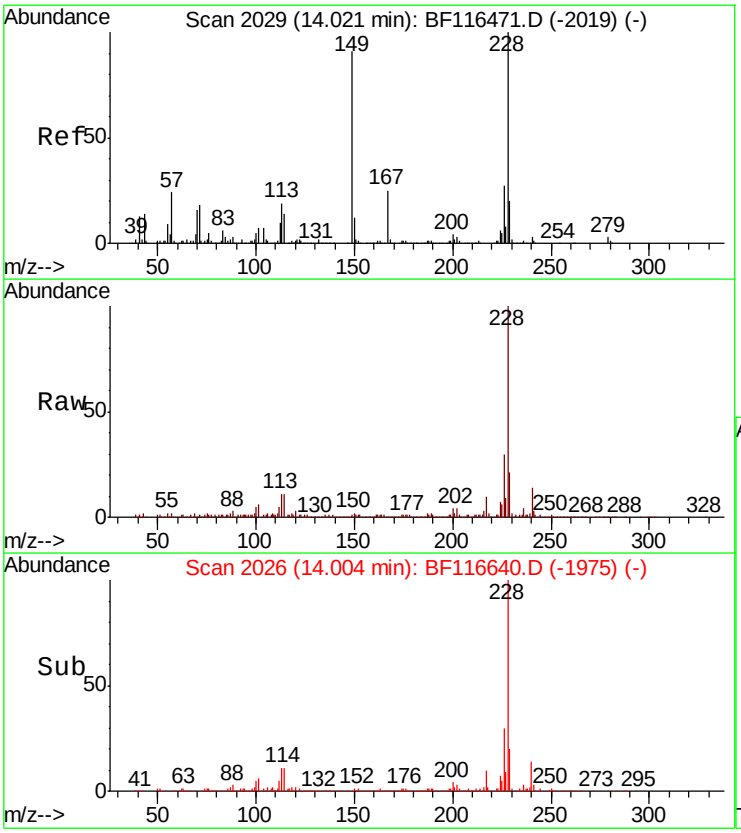
#79
Terphenyl-d14
Concen: 27.898 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 302583

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.7	10.0	15.0

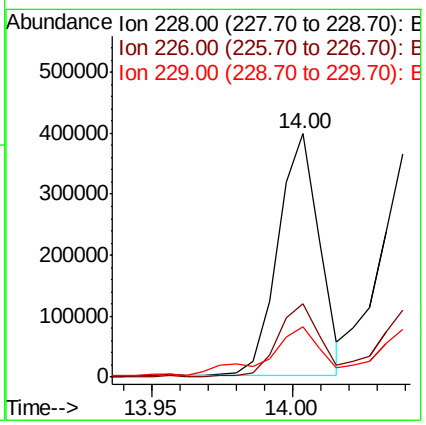


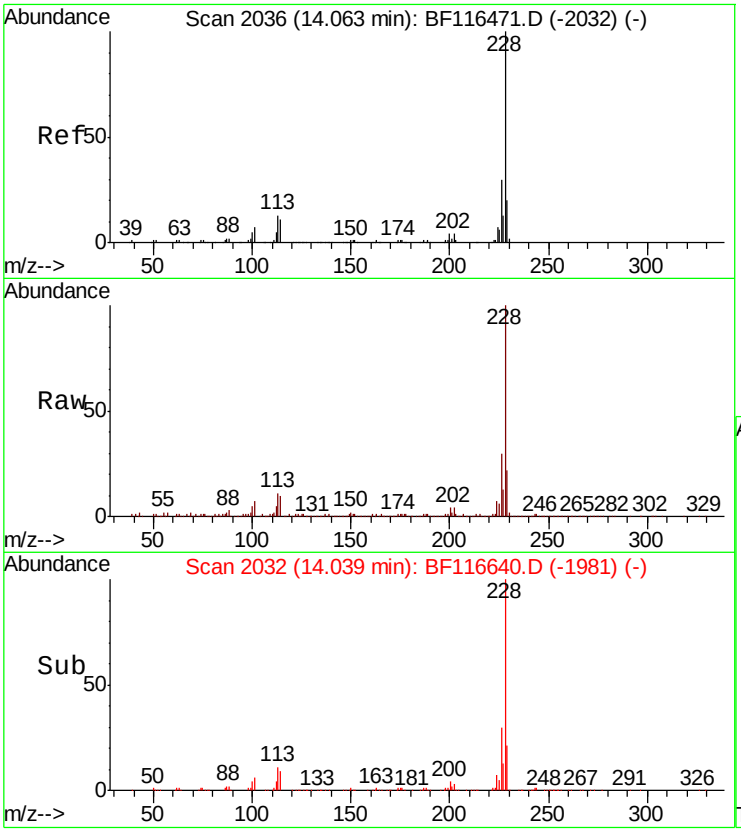


#81
Benzo(a)anthracene
Concen: 34.268 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:228 Resp: 403000

Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.5	32.3
229	20.5	15.4	23.0



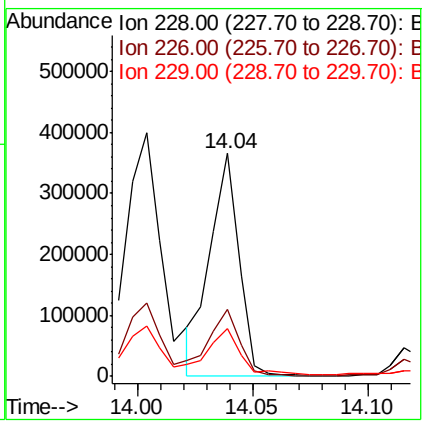


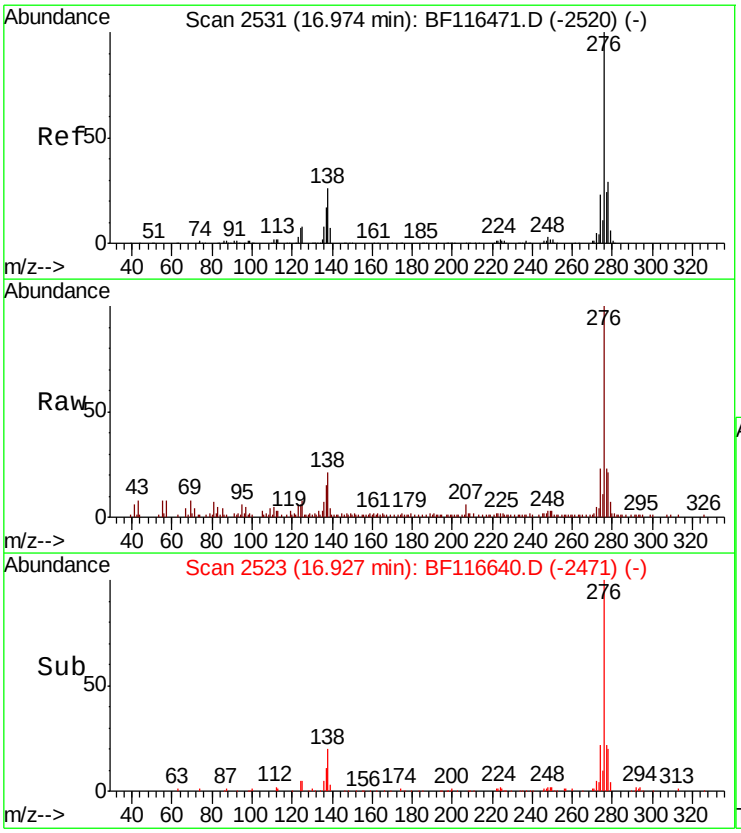
#83
Chrysene
Concen: 27.563 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 317331

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	21.6	15.8	23.8

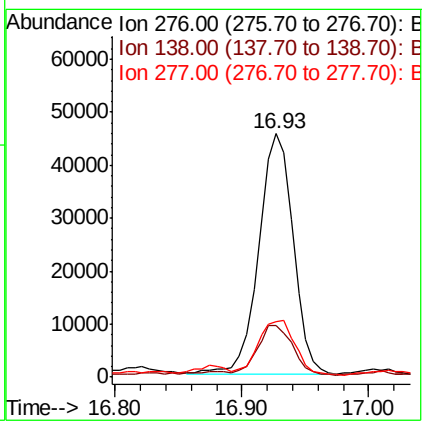


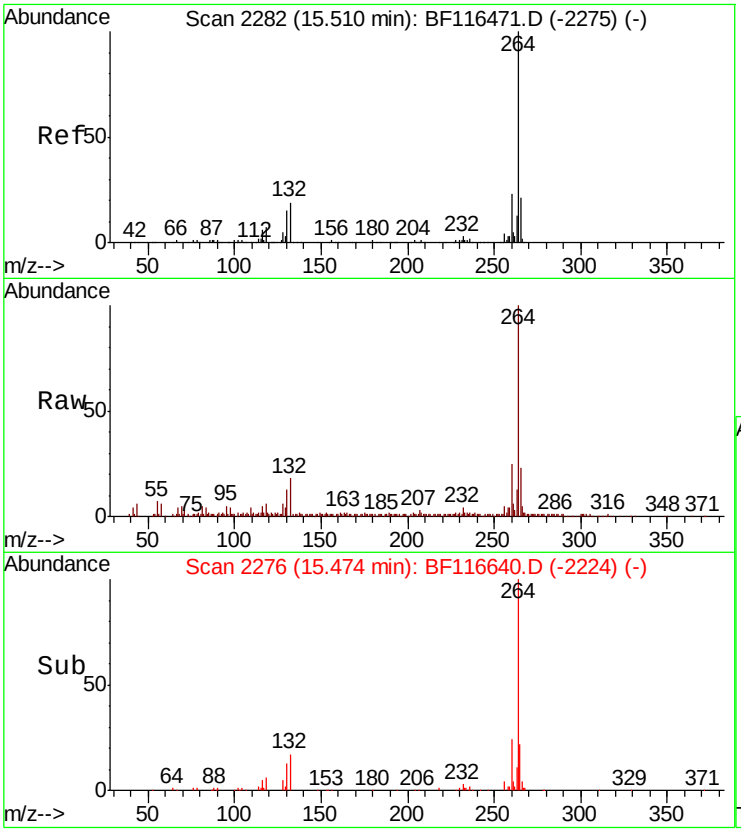


#86
Indeno(1,2,3-cd)pyrene
Concen: 12.702 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:276 Resp: 86125

Ion	Ratio	Lower	Upper
276	100		
138	20.8	21.5	32.3#
277	24.1	20.0	30.0



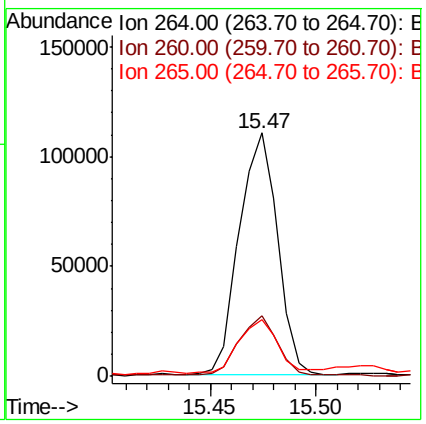


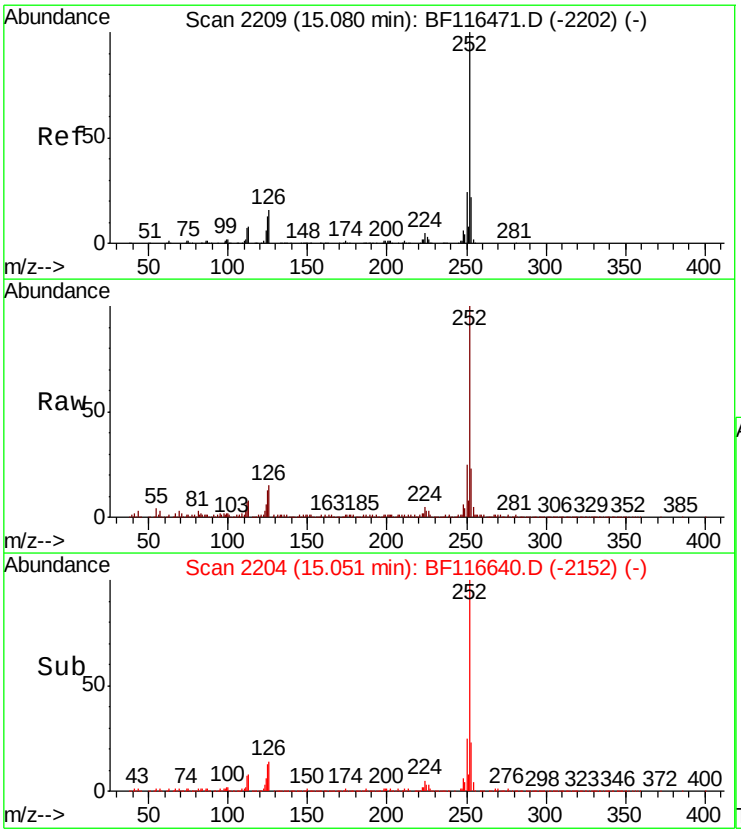
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 137694

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.0	30.0
265	23.2	17.6	26.4

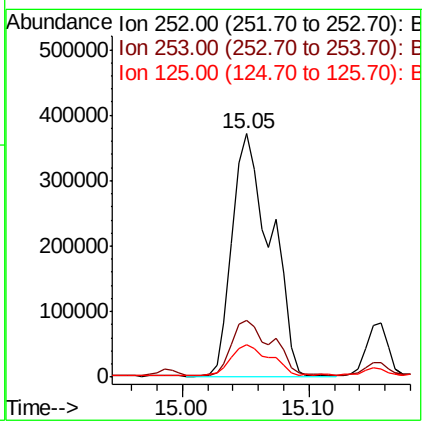


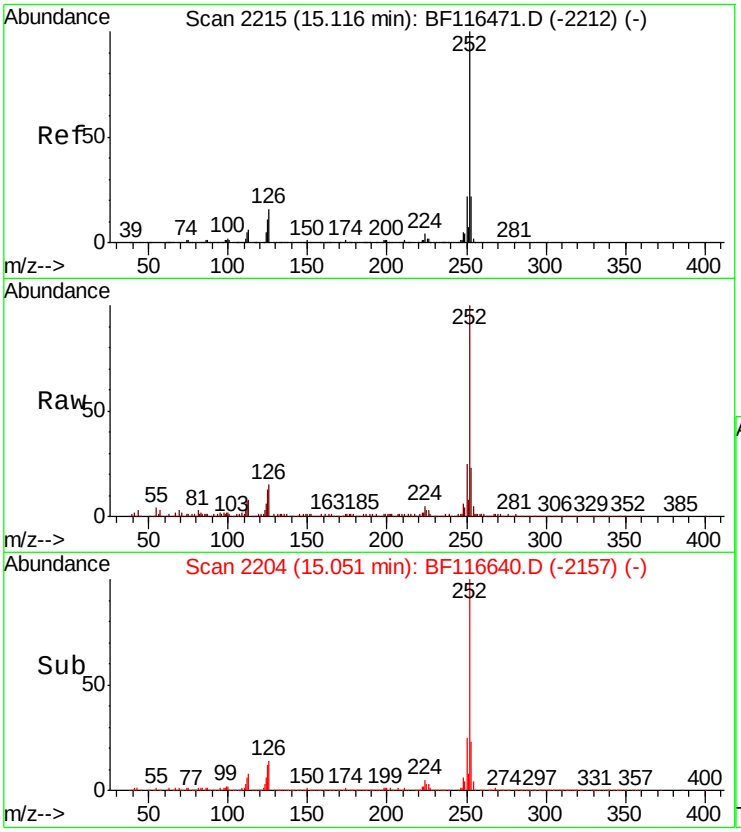


#88
Benzo(b)fluoranthene
Concen: 91.622 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:252 Resp: 774738

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	13.1	9.0	13.6



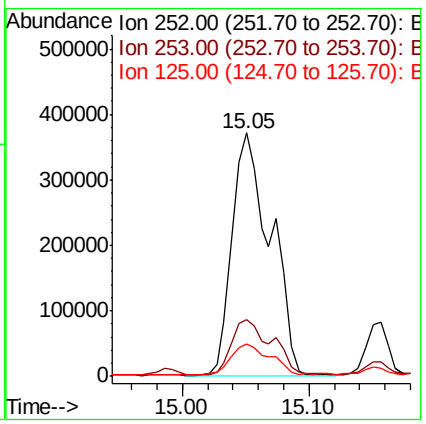


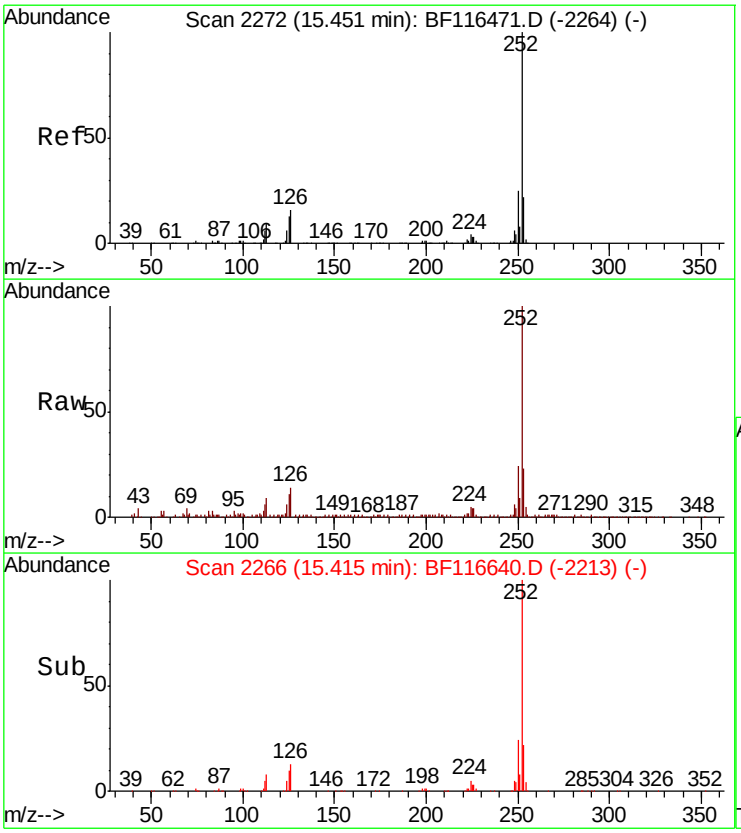
#89
Benzo(k)fluoranthene
Concen: 96.389 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 774738

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.1	8.6	13.0#

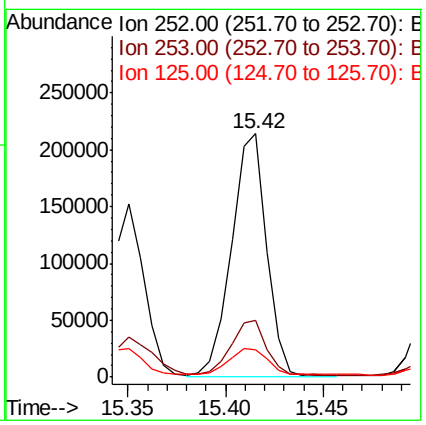


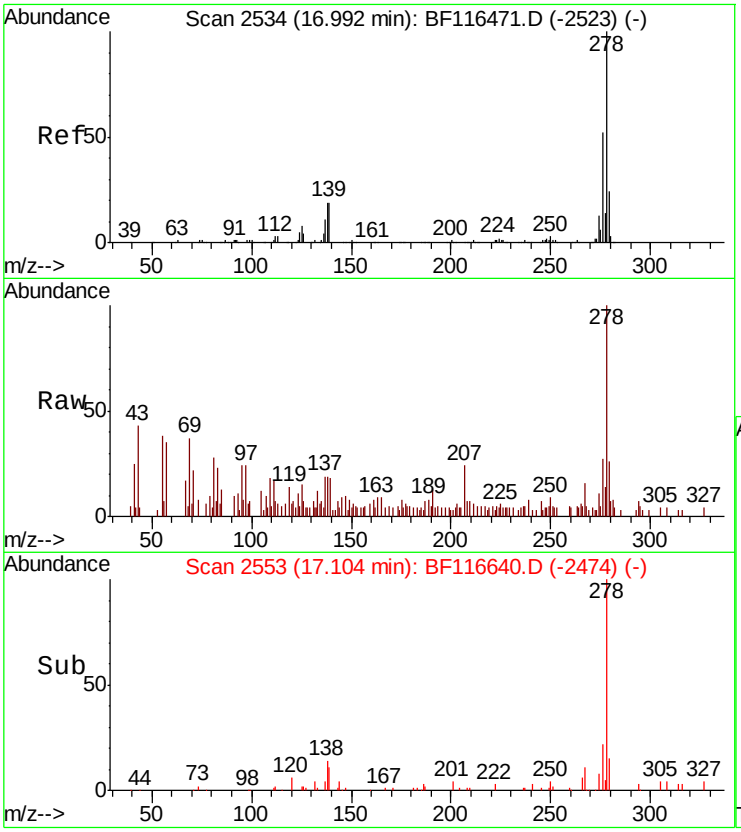


#90
Benzo(a)pyrene
Concen: 35.067 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:252 Resp: 264638

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.3	10.6	16.0



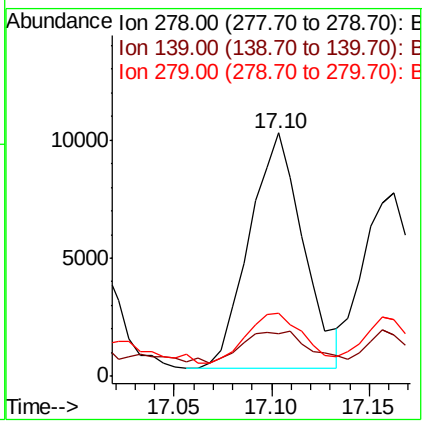


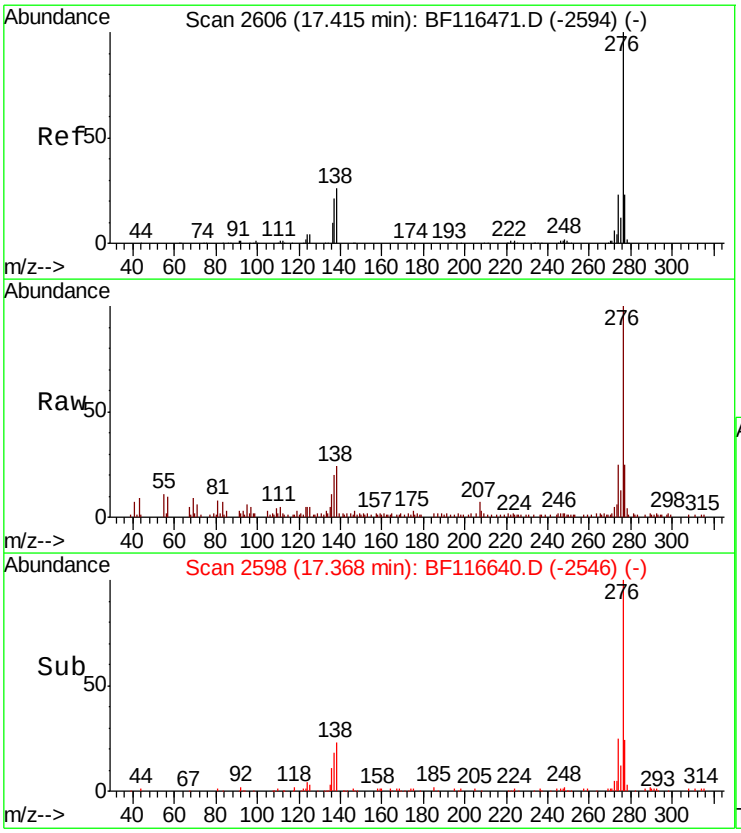
#91
Dibenzo(a,h)anthracene
Concen: 2.709 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.16 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 19073

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.1	21.1
279	26.0	19.5	29.3





#92
Benzo(g,h,i)perylene
Concen: 10.254 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion:276 Resp: 75083

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.4
138	23.9	18.2	27.2