Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
Acq On : 14 Sep 2019 00:12
Operator : HP/JU
Sample : K4668-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 14 01:41:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	74060	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	298337	20.00	ng		0.00
39) Acenaphthene-d10	9.85	164	144069	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	196900	20.00	ng		0.00
76) Chrysene-d12	13.97	240	135435	20.00	ng		0.00
87) Perylene-d12	15.41	264	124845	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	217037	45.75	ng		0.00
7) Phenol-d6	6.45	99	312860	51.03	ng		0.00
23) Nitrobenzene-d5	7.38	82	184962	32.58	ng		0.00
42) 2,4,6-Tribromophenol	10.64	330	53268	44.24	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	348965	37.87	ng		0.00
79) Terphenyl-d14	12.91	244	234117	32.31	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.45	77	421	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.38	70	25109	6.726	ng	#	81
25) Isophorone	7.38	82	184959	18.398	ng	#	66
50) Dimethylphthalate	9.56	163	21559	2.113	ng	#	97
51) 2,6-Dinitrotoluene	9.85	165	20173	9.710	ng	#	25
52) Acenaphthene	9.88	154	19797	2.500	ng		94
57) 2,4-Dinitrotoluene	9.85	165	20173	7.480	ng	#	19
58) Fluorene	10.40	166	29080	3.089	ng	#	96
71) Phenanthrene	11.36	178	215829	19.298	ng		99
72) Anthracene	11.41	178	64039	5.609	ng		94
75) Fluoranthene	12.54	202	269716	23.471	ng		96
78) Pyrene	12.77	202	230208	20.258	ng		99
81) Benzo(a)anthracene	13.96	228	112637	12.448	ng		99
83) Chrysene	13.99	228	100257	11.360	ng		98
86) Indeno(1,2,3-cd)pyrene	16.84	276	37078	5.759	ng		95
88) Benzo(b)fluoranthene	14.99	252	151444	20.026	ng		97
89) Benzo(k)fluoranthene	14.99	252	151444	21.141	ng		97
90) Benzo(a)pyrene	15.35	252	77063	11.613	ng		95
91) Dibenzo(a,h)anthracene	16.85	278	13388	2.532	ng	#	81
92) Benzo(g,h,i)perylene	17.27	276	39966	7.587	ng		96

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

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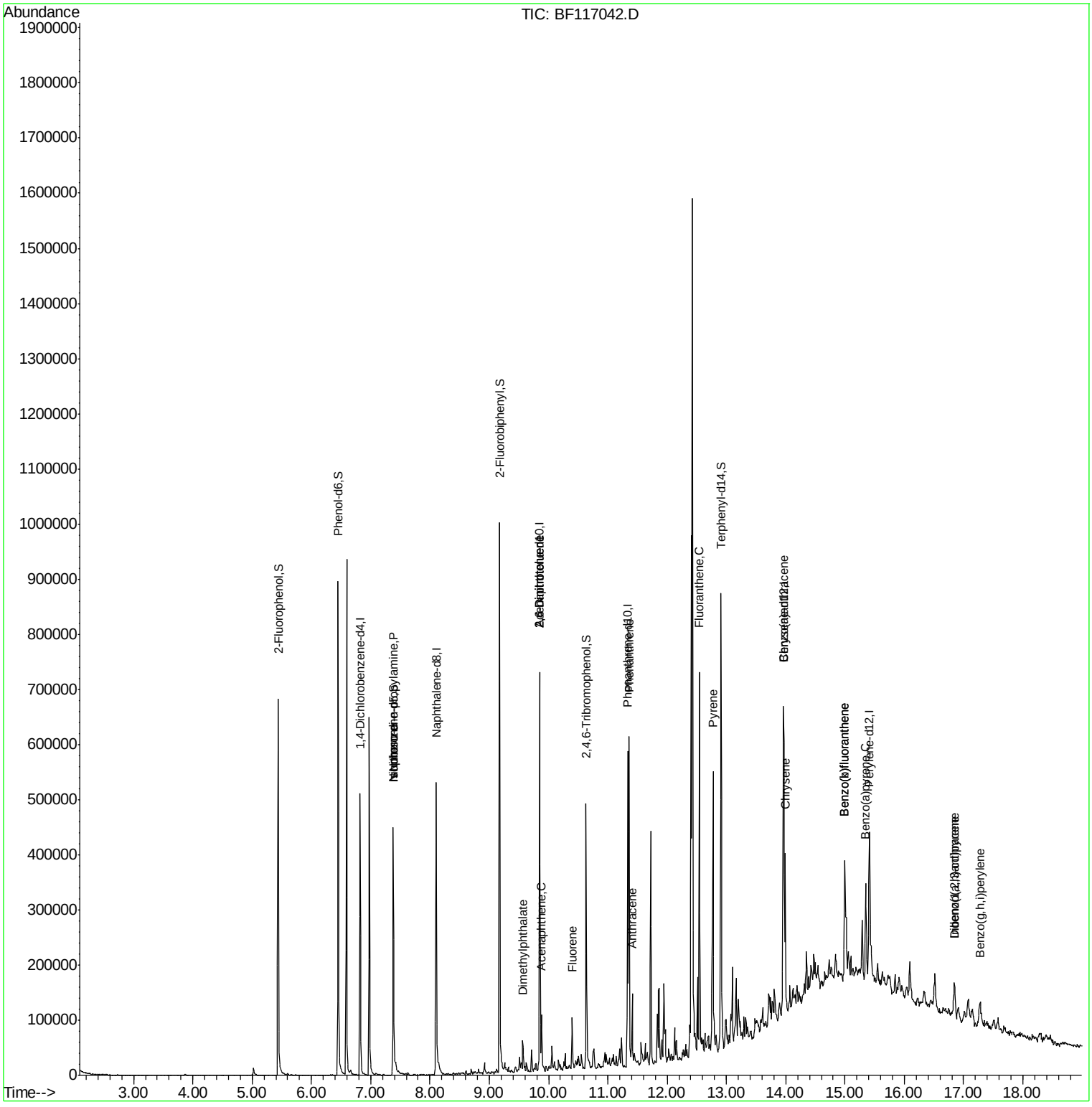
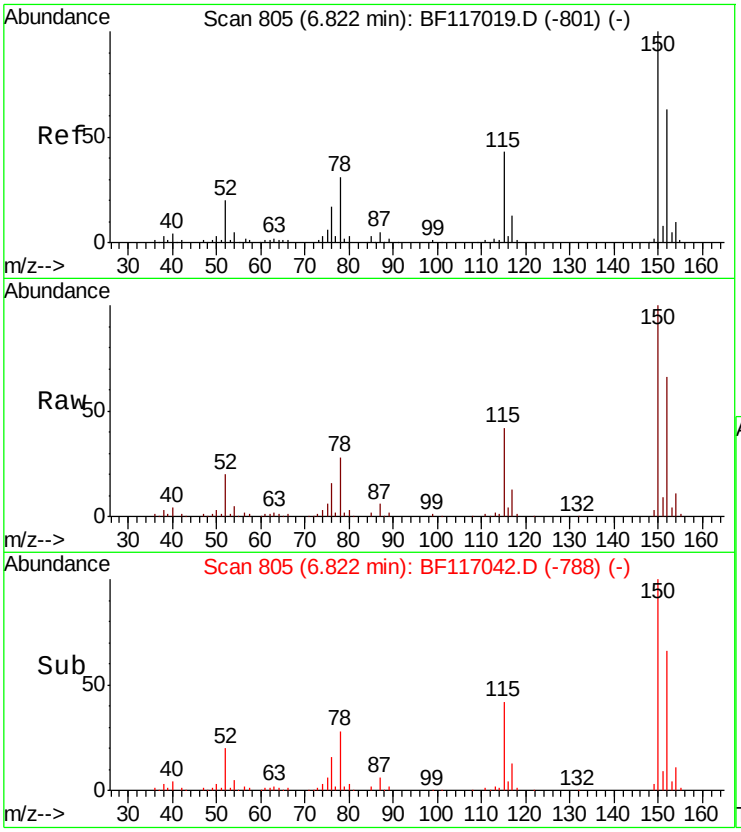


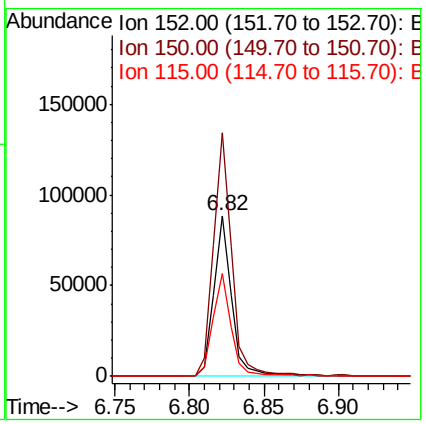


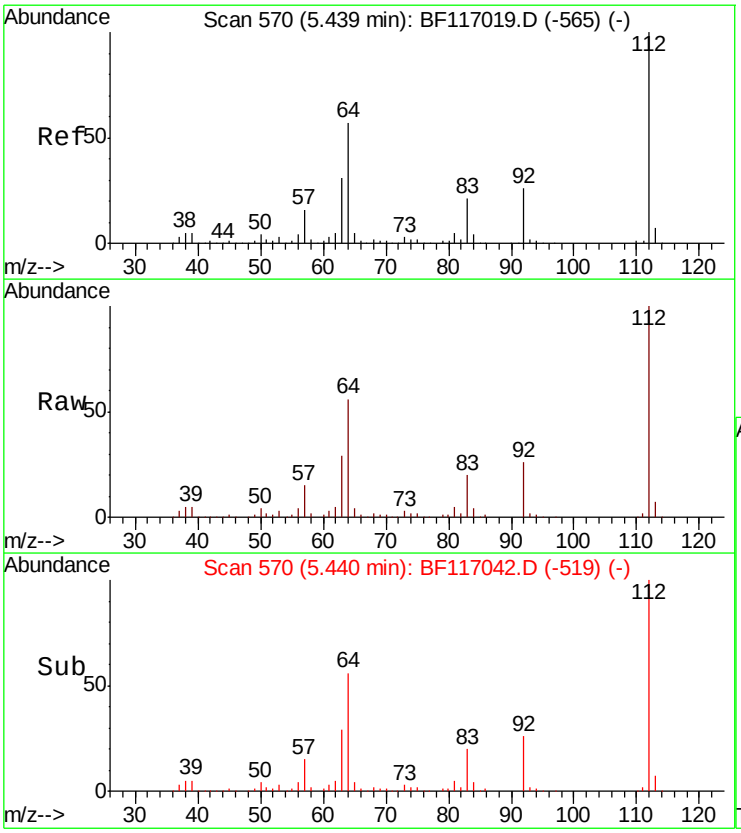
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 74060

Ion	Ratio	Lower	Upper
152	100		
150	151.5	127.5	191.3
115	64.0	55.0	82.4

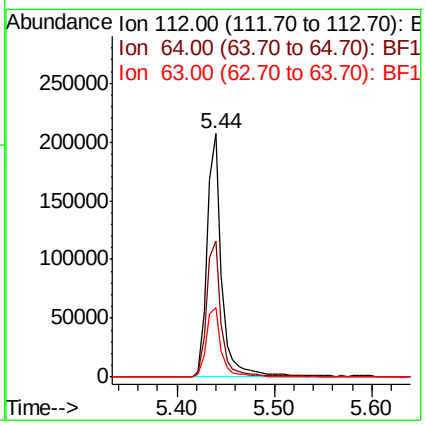


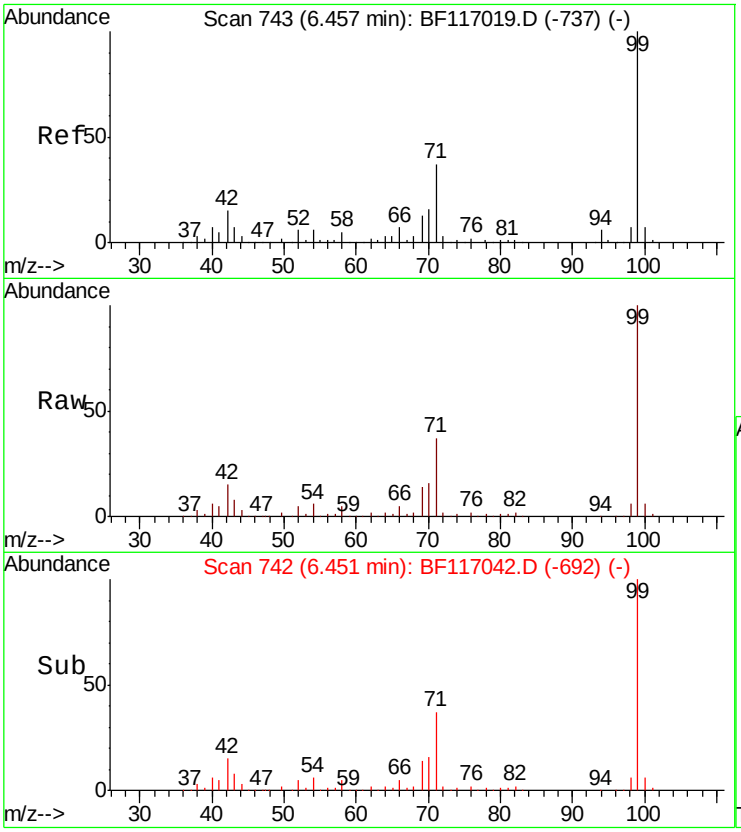


#5
2-Fluorophenol
Concen: 45.753 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:112 Resp: 217037

Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	28.5	24.9	37.3



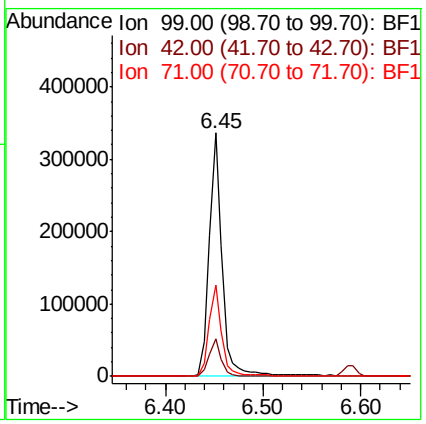


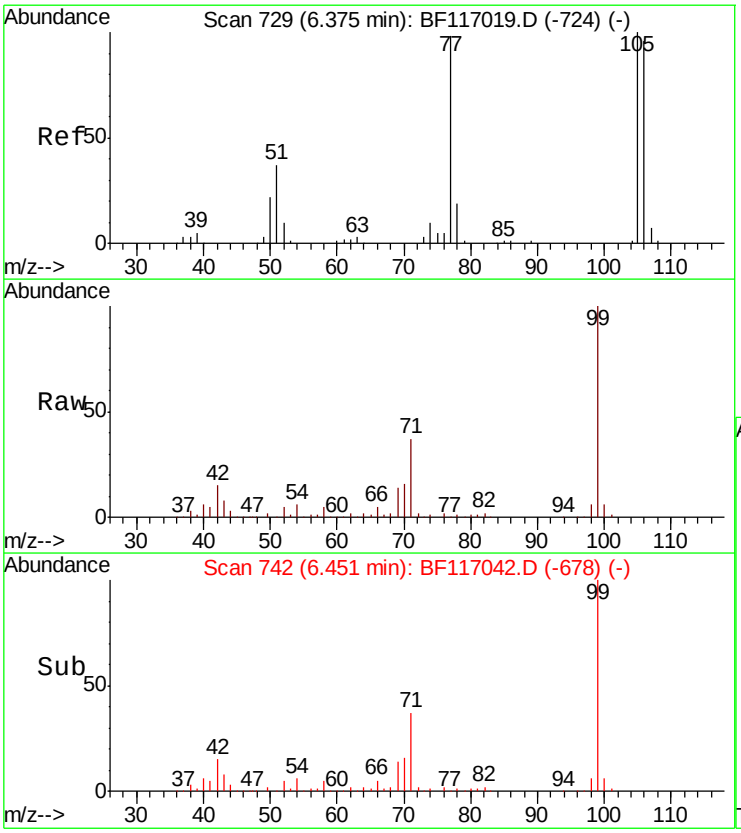
#7
Phenol-d6
Concen: 51.033 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 312860

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	37.4	29.8	44.8

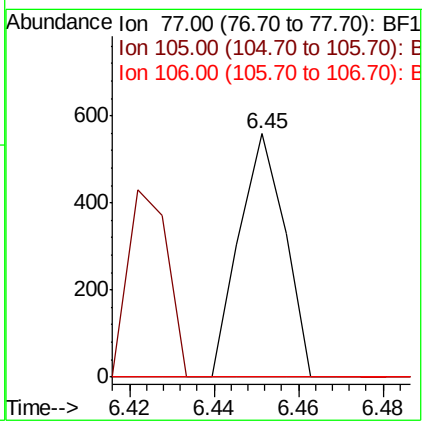


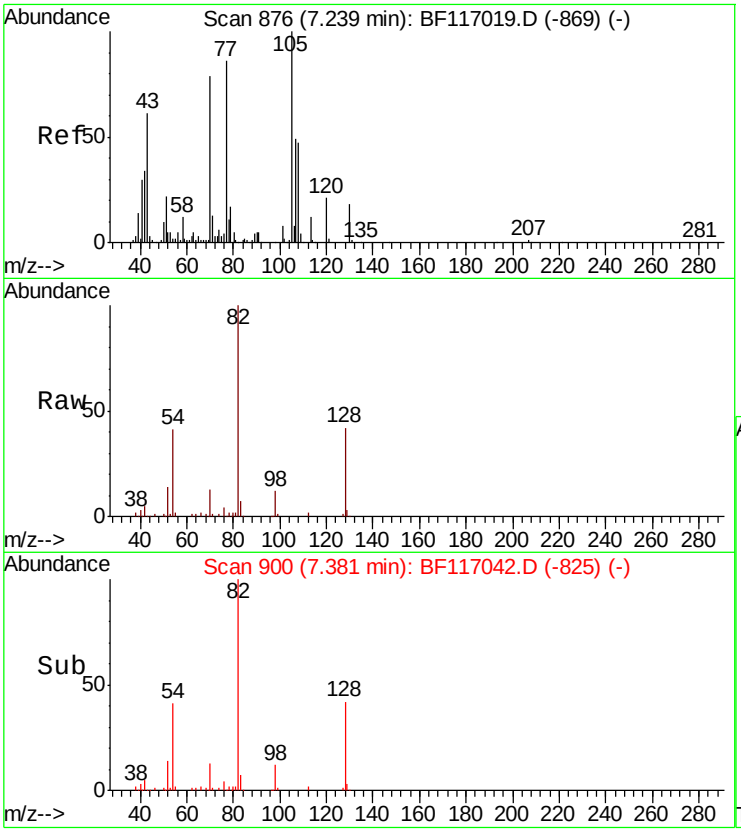


#9
Benzaldehyde
Concen: Below Cal
RT: 6.45 min Scan# 742
Delta R.T. 0.08 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion: 77 Resp: 421

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#



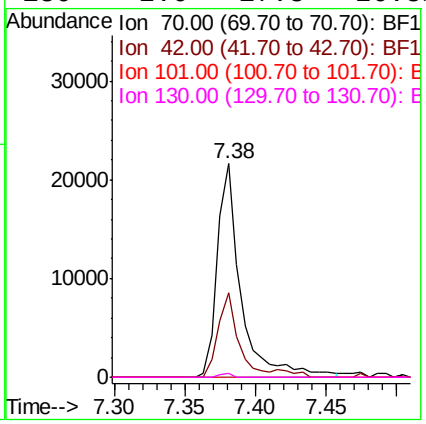


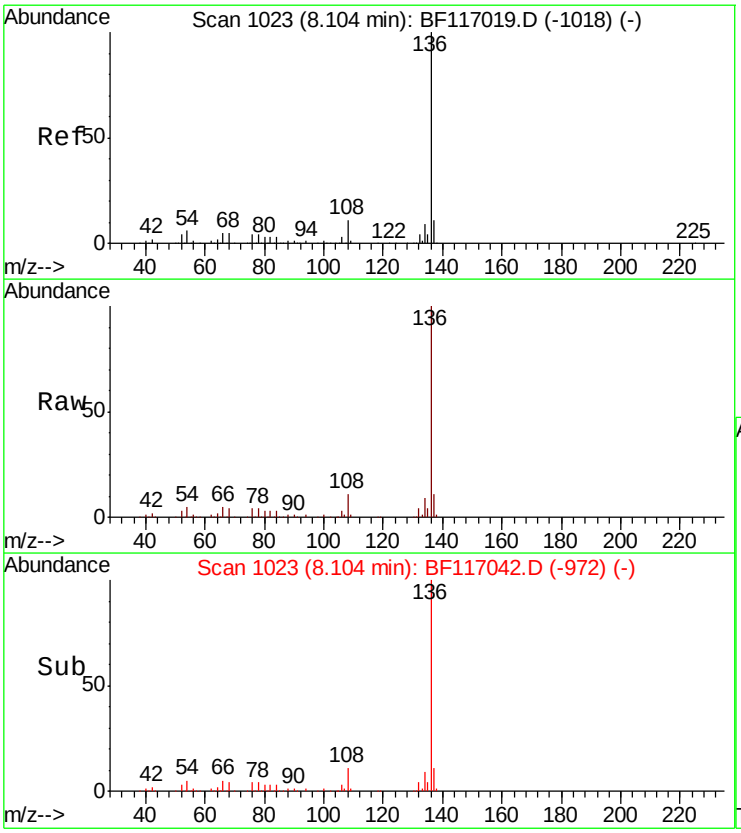
#19
n-Nitroso-di-n-propylamine
Concen: 6.726 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 25109

Ion	Ratio	Lower	Upper
70	100		
42	39.7	34.0	51.0
101	0.0	7.8	11.6#
130	2.0	17.8	26.8#

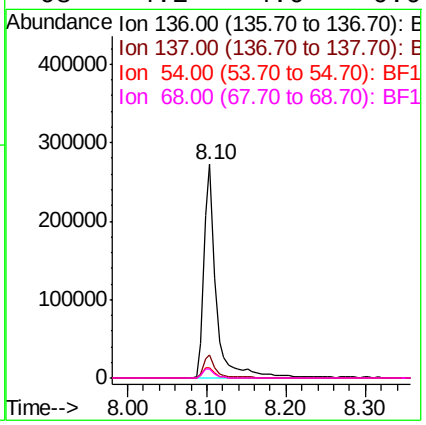


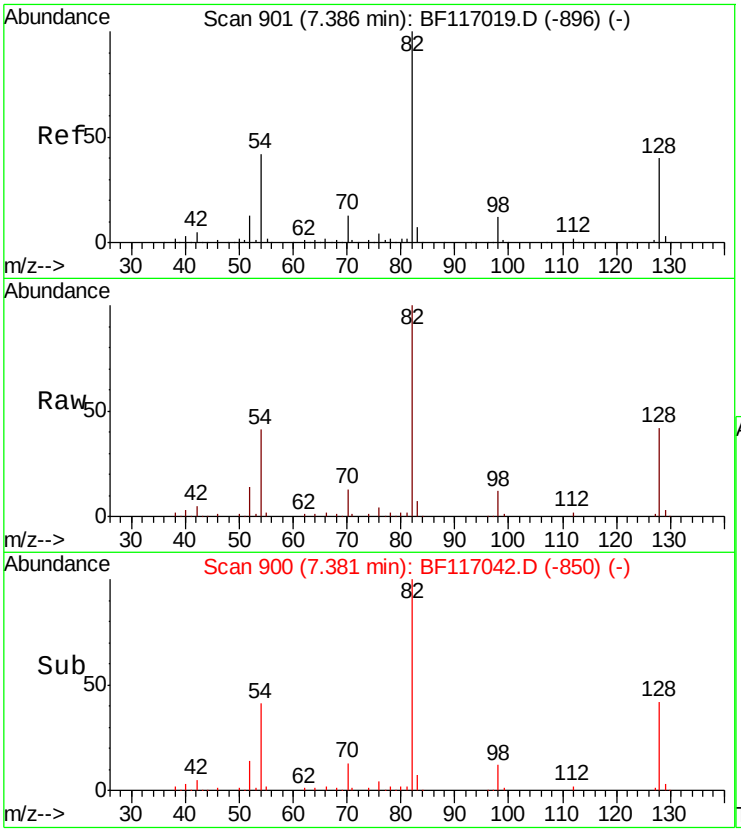


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:136 Resp: 298337

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.0	4.5	6.7
68	4.2	4.0	6.0



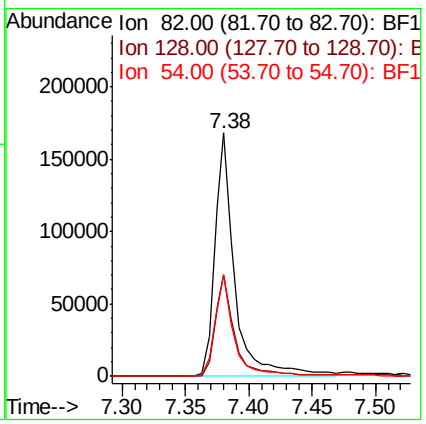


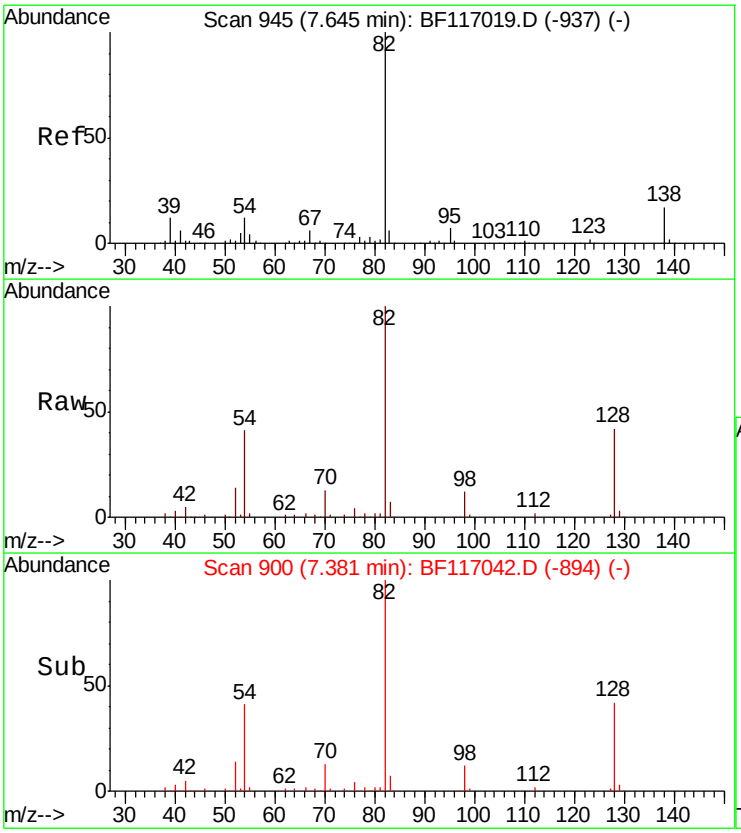
#23
Nitrobenzene-d5
Concen: 32.575 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 184962

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.3	48.5
54	41.5	33.3	49.9

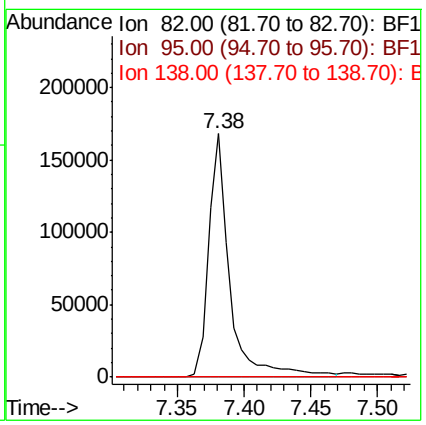


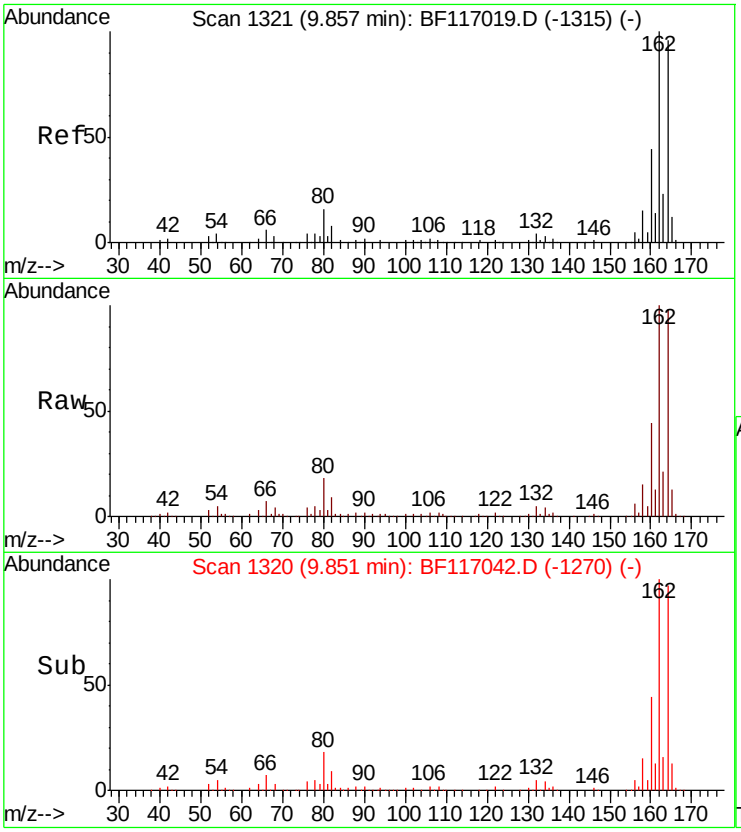


#25
Isophorone
Concen: 18.398 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion: 82 Resp: 184959

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

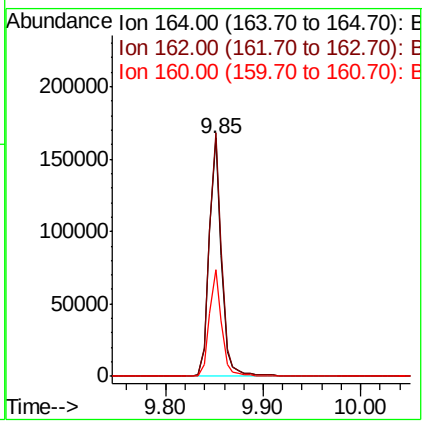




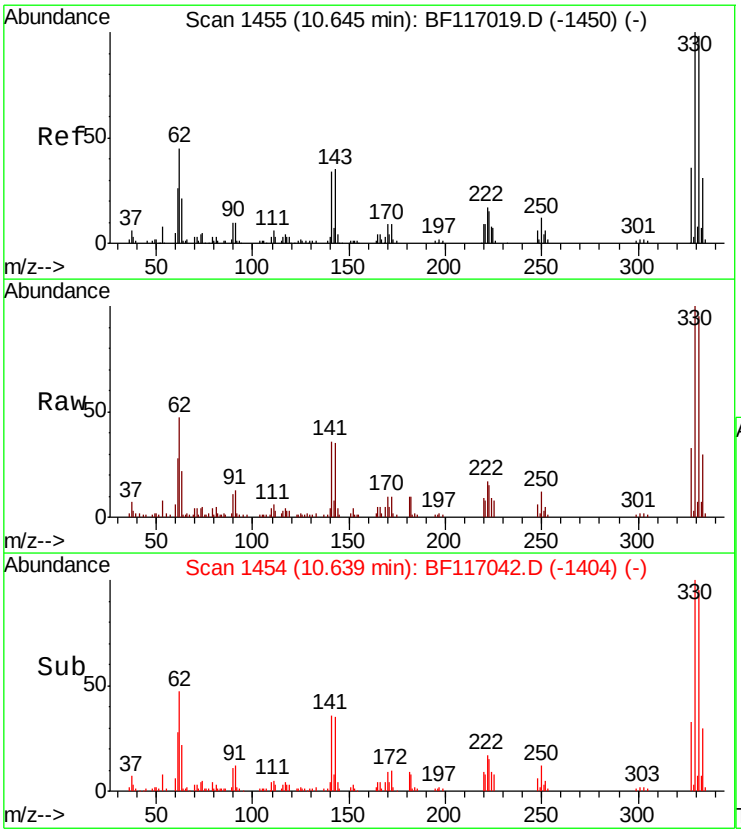
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:164 Resp: 144069

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.4	125.2
160	45.1	36.4	54.6



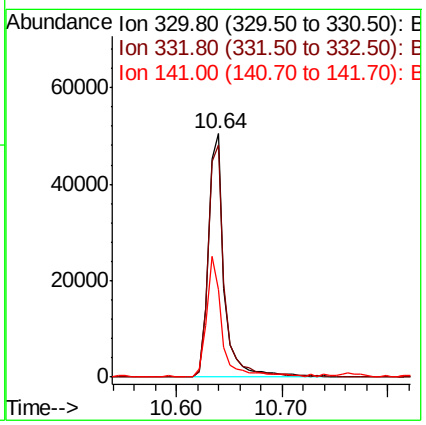
Instrument :
BNA_F
ClientSampleId :

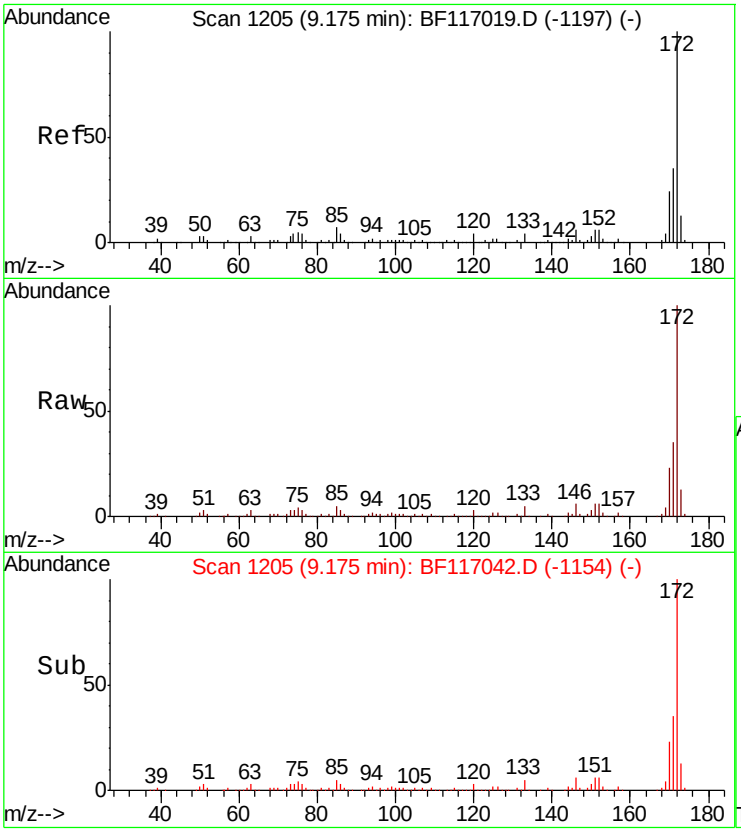


#42
2,4,6-Tribromophenol
Concen: 44.239 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:330 Resp: 53268

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	48.3	35.8	53.6



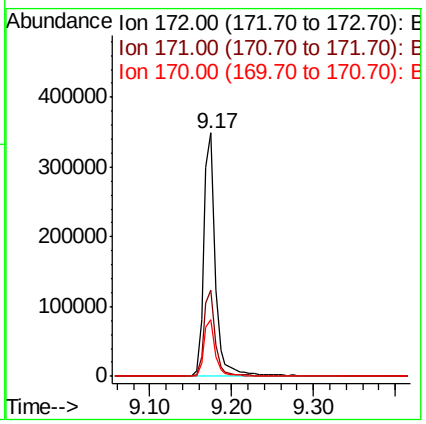


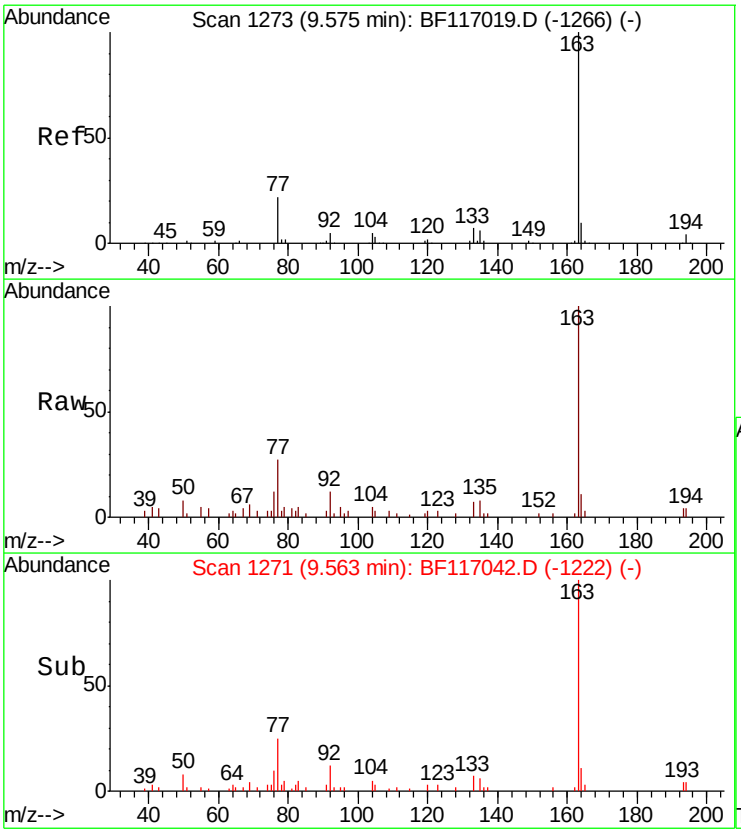
#45
2-Fluorobiphenyl
Concen: 37.873 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 348965

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.3	18.9	28.3

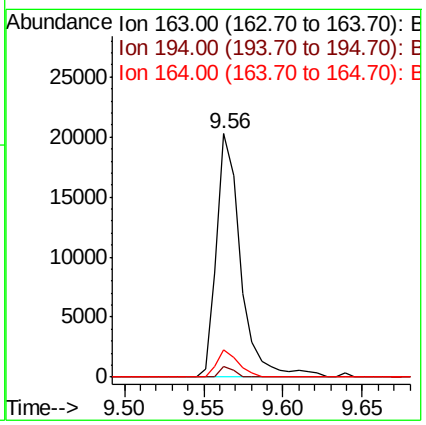


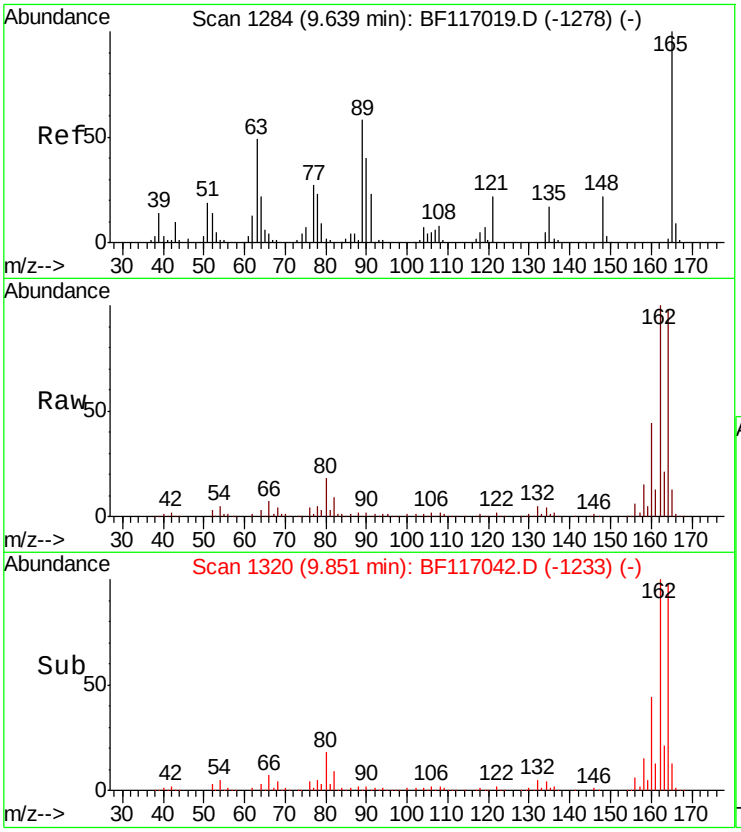


#50
Dimethylphthalate
Concen: 2.113 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:163 Resp: 21559

Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.9	4.3#
164	11.4	8.2	12.4



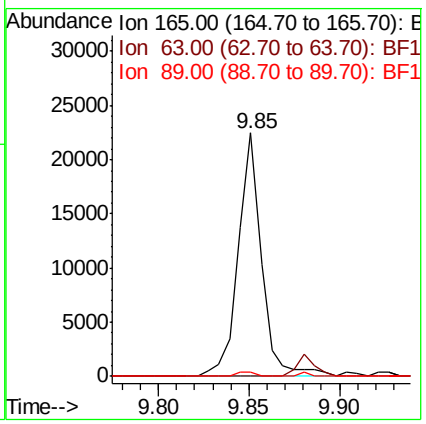


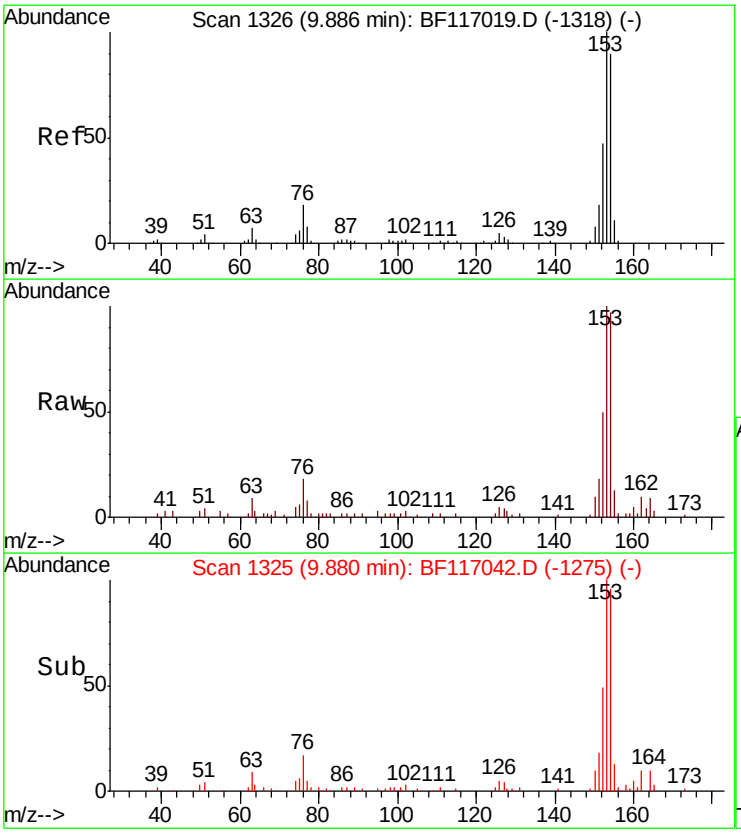
#51
2,6-Dinitrotoluene
Concen: 9.710 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20173

Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	1.9	46.5	69.7#

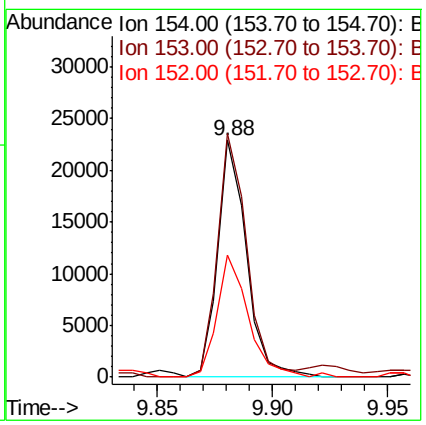


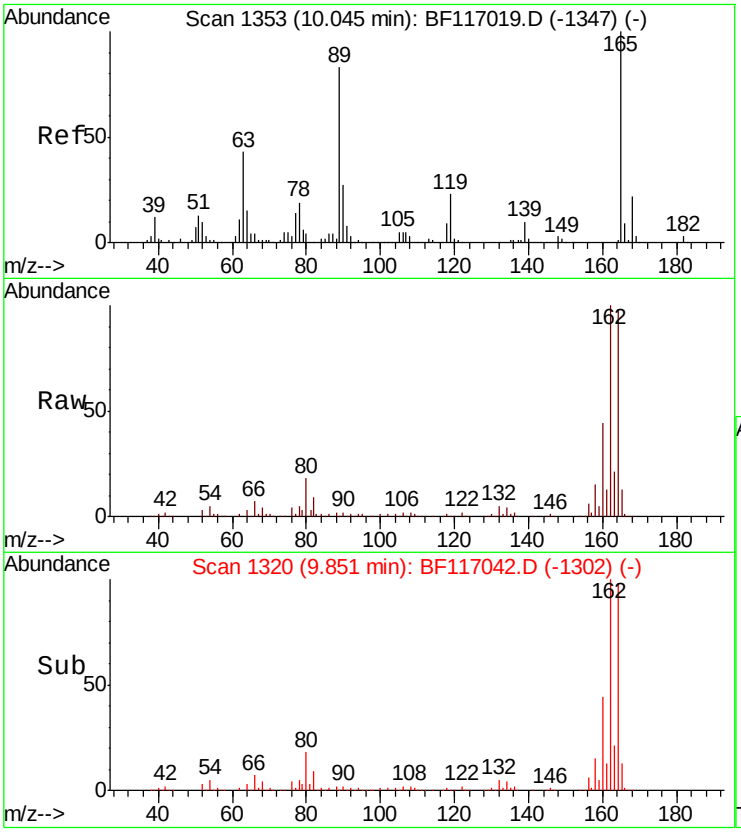


#52
Acenaphthene
Concen: 2.500 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:154 Resp: 19797

Ion	Ratio	Lower	Upper
154	100		
153	102.9	89.0	133.6
152	51.7	41.9	62.9



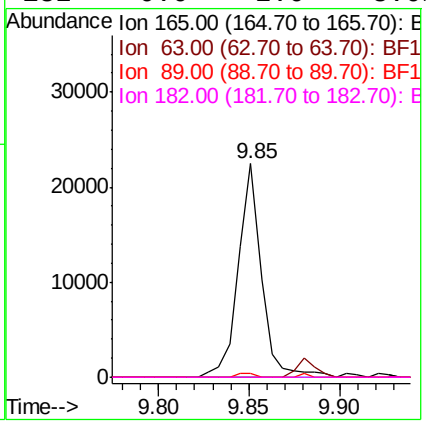


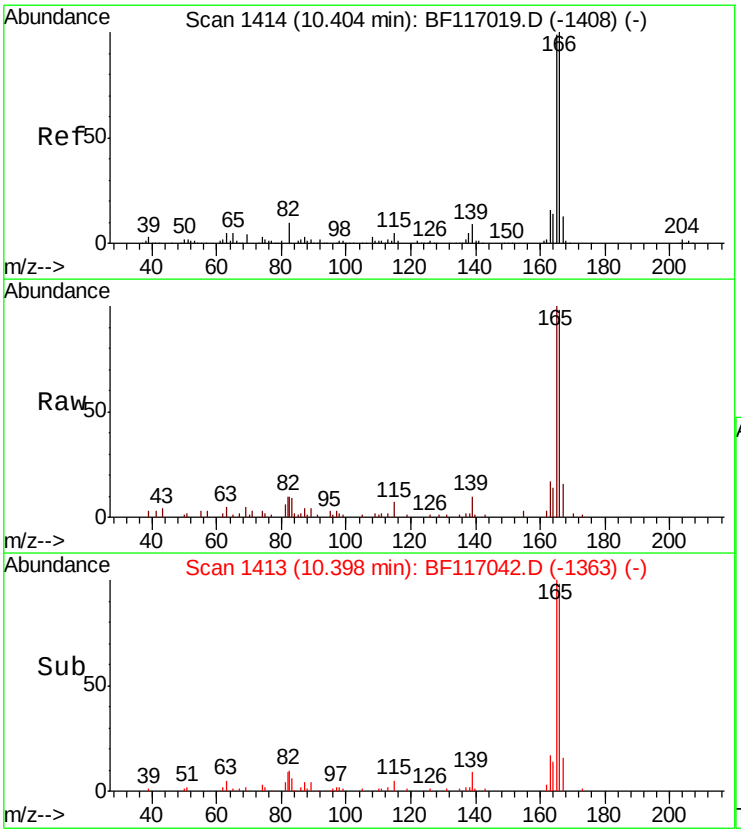
#57
2,4-Dinitrotoluene
Concen: 7.480 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20173

Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	1.9	66.1	99.1#
182	0.0	2.0	3.0#

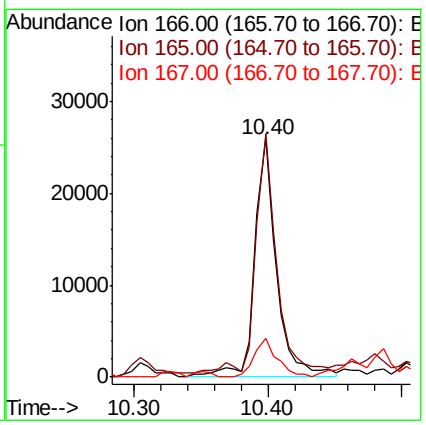


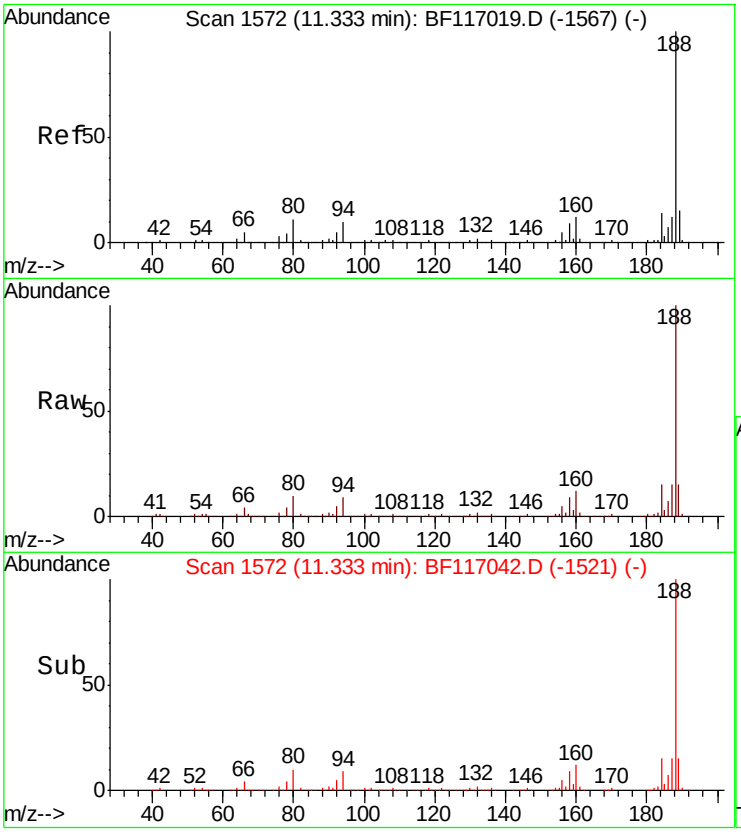


#58
Fluorene
Concen: 3.089 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:166 Resp: 29080

Ion	Ratio	Lower	Upper
166	100		
165	102.2	78.9	118.3
167	16.4	10.6	15.8#



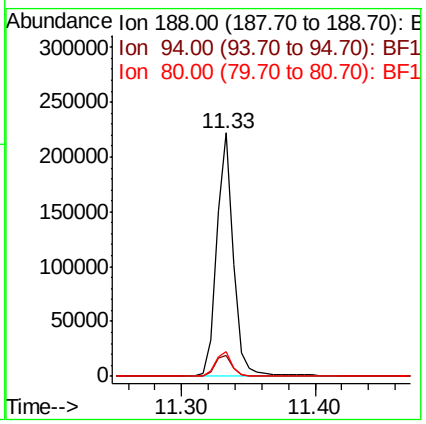


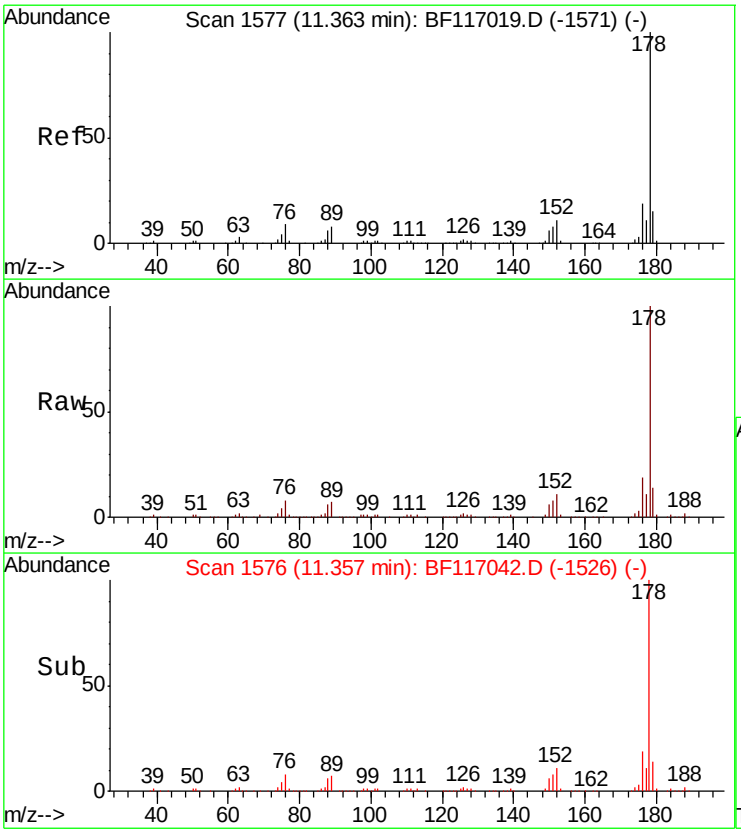
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 196900

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	10.0	9.0	13.6

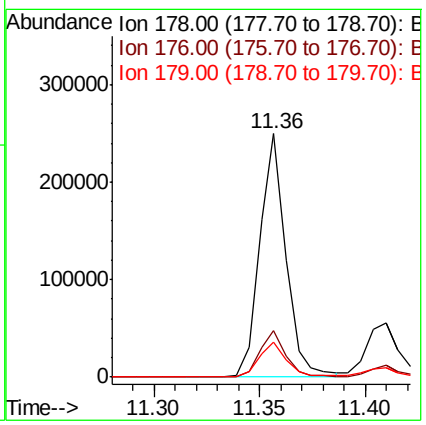


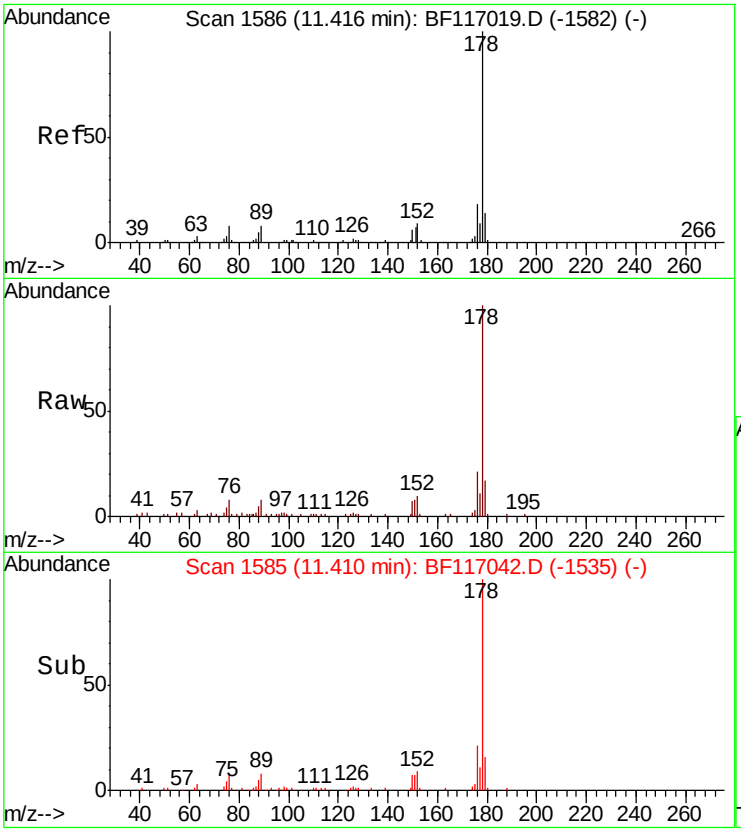


#71
Phenanthrene
Concen: 19.298 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:178 Resp: 215829

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.5	12.4	18.6



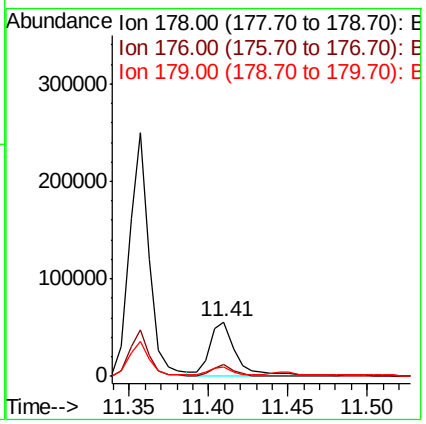


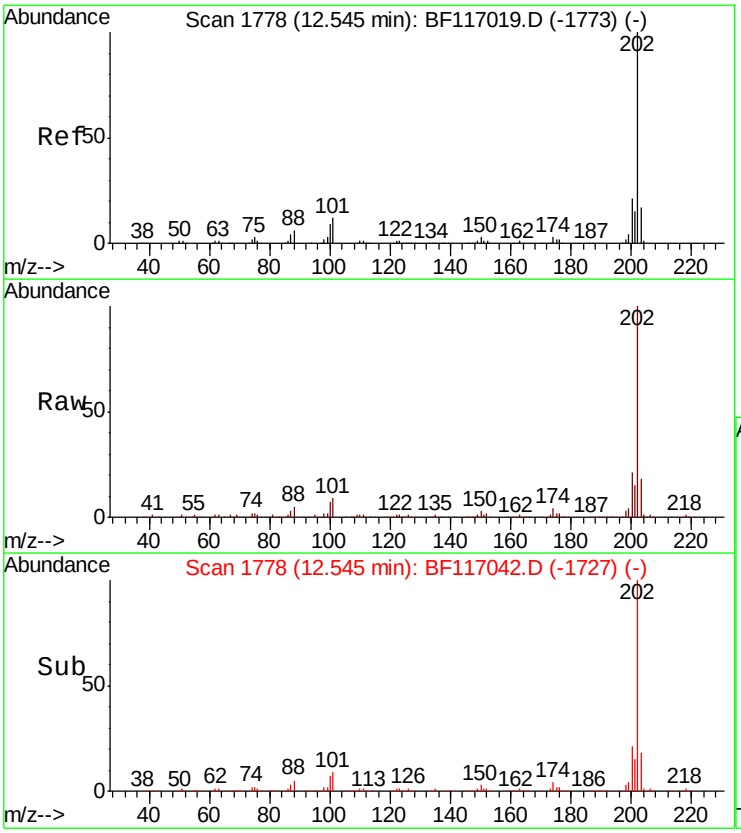
#72
Anthracene
Concen: 5.609 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 64039

Ion	Ratio	Lower	Upper
178	100		
176	21.1	14.6	21.8
179	16.9	11.6	17.4

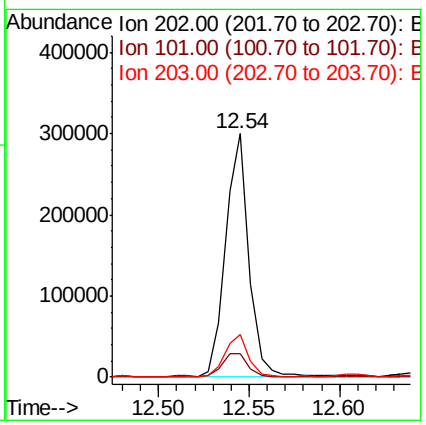


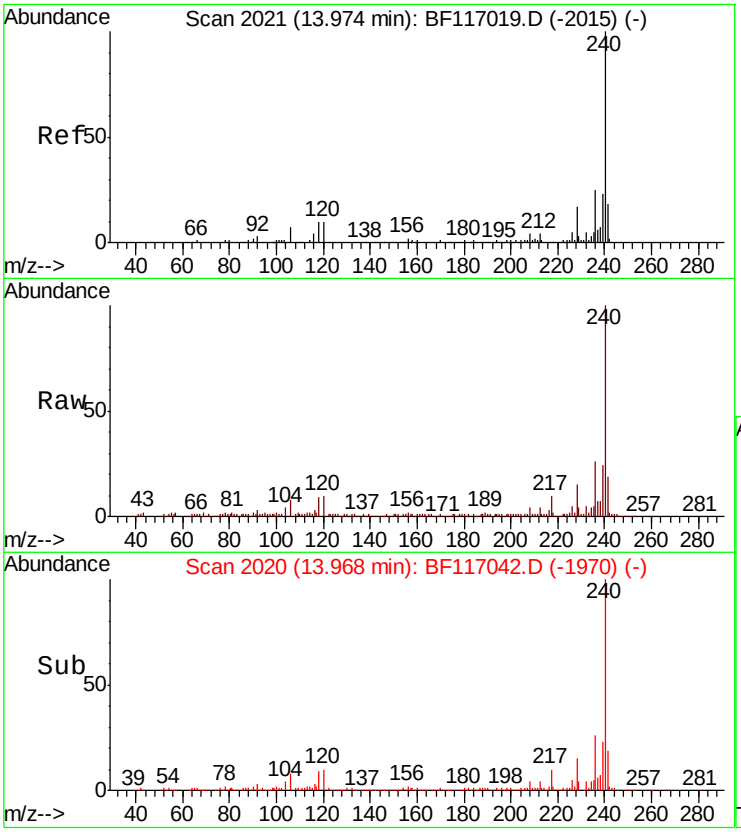


#75
Fluoranthene
Concen: 23.471 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:202 Resp: 269716

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.3
203	17.7	0.0	37.1



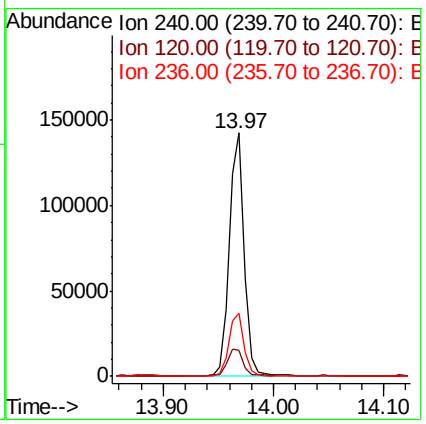


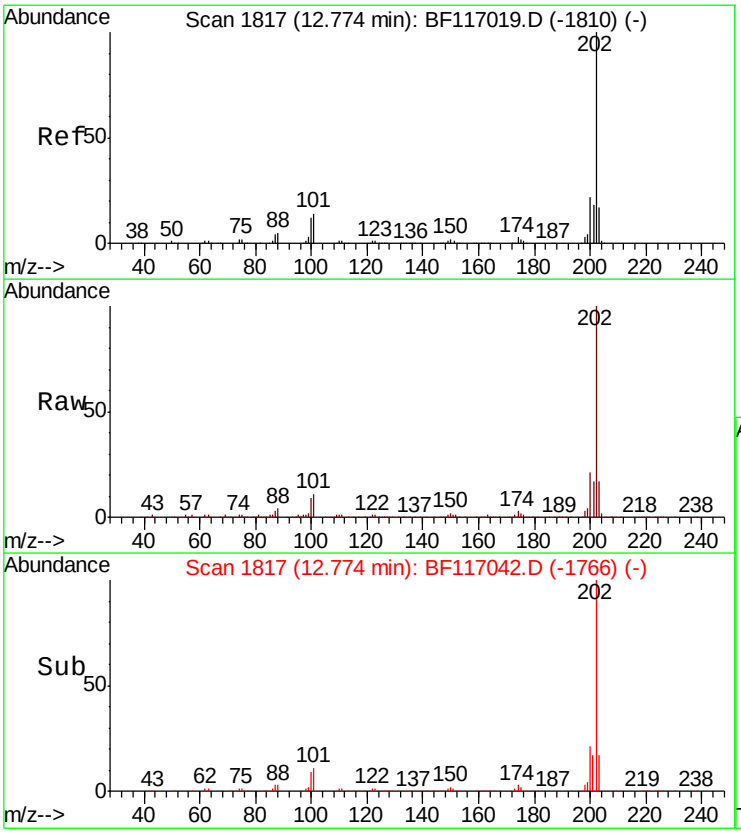
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 135435

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	26.2	20.3	30.5

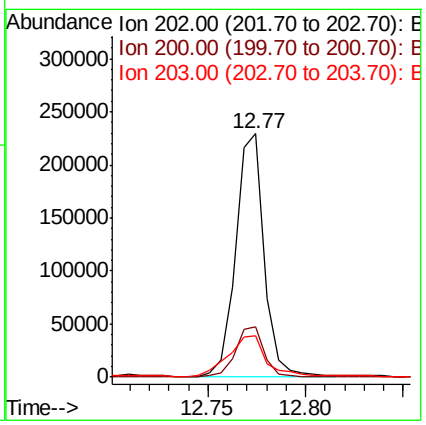


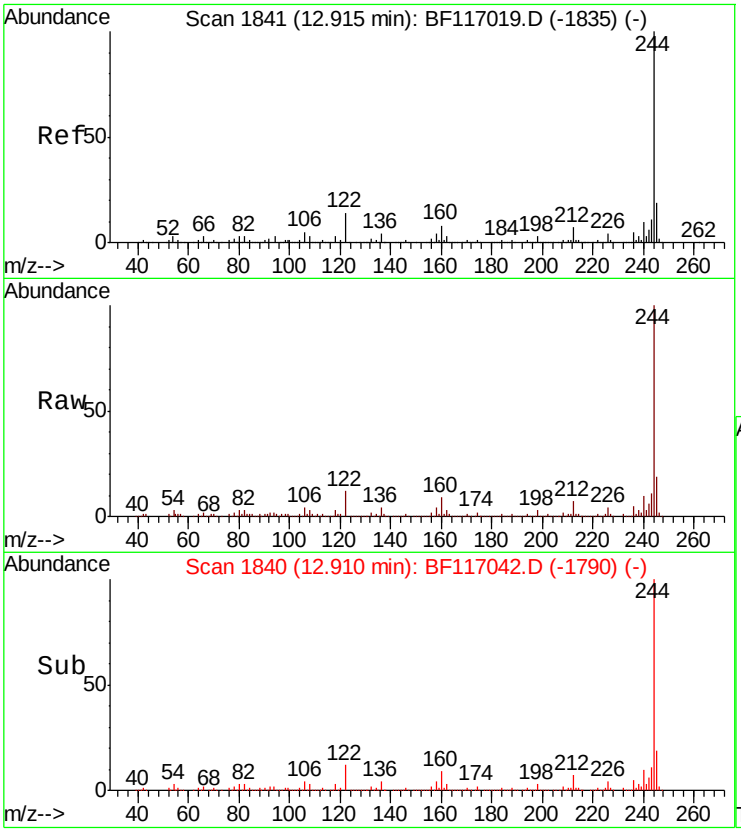


#78
Pyrene
Concen: 20.258 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:202 Resp: 230208

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.0	14.0	21.0



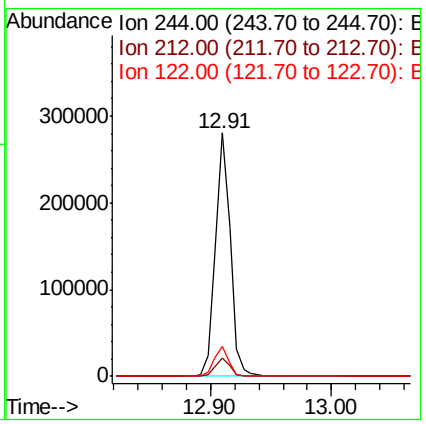


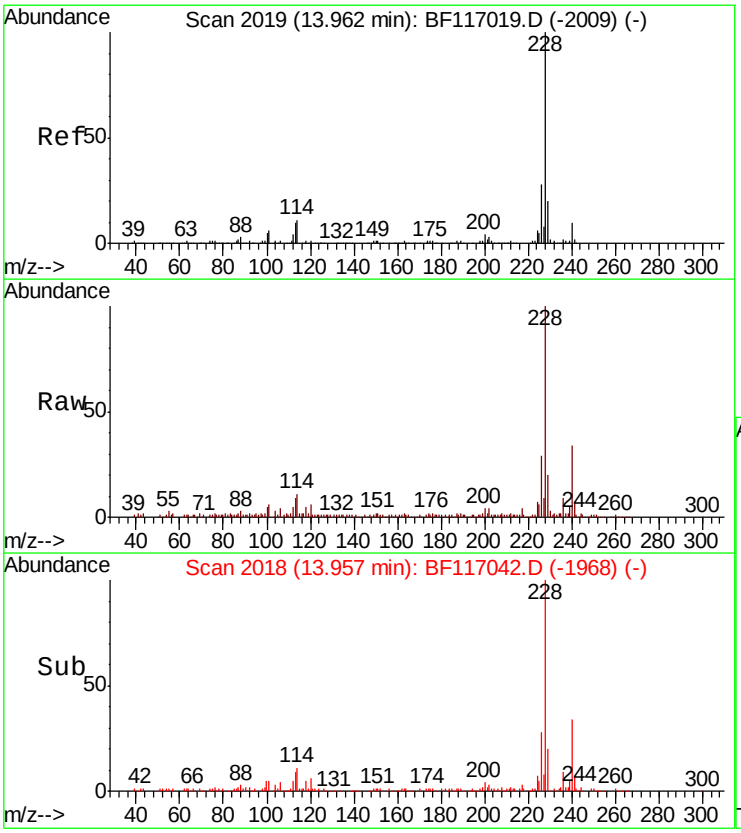
#79
Terphenyl-d14
Concen: 32.312 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 234117

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	12.4	11.3	16.9

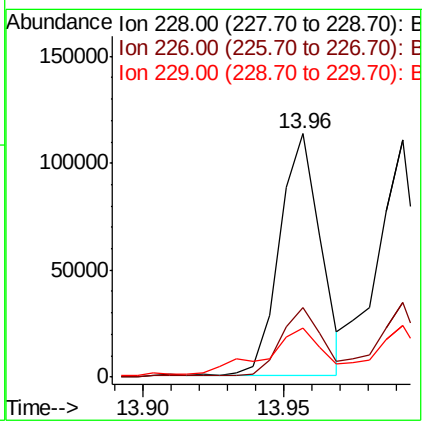


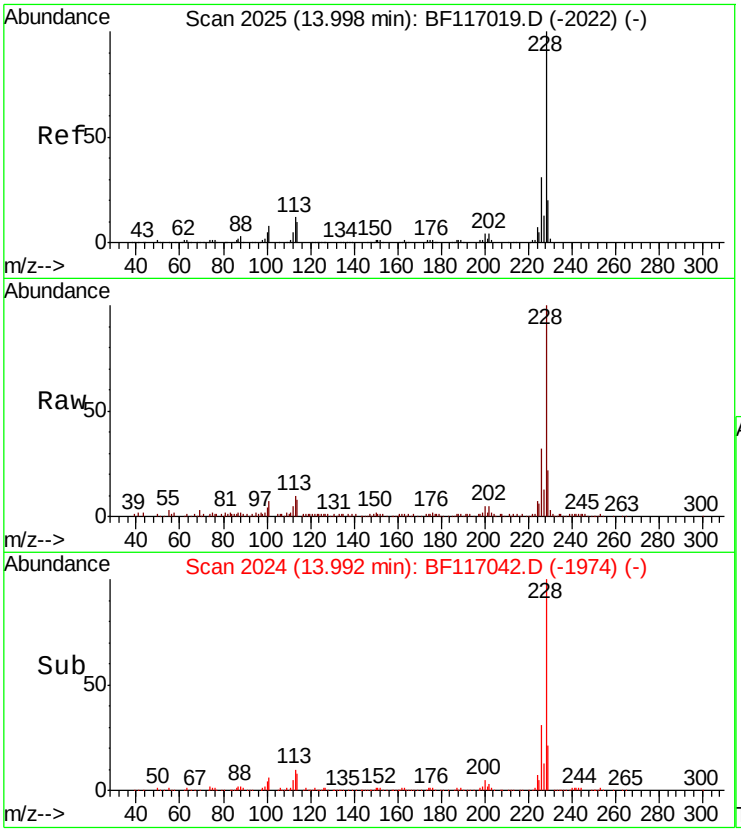


#81
Benzo(a)anthracene
Concen: 12.448 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:228 Resp: 112637

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.4	15.9	23.9



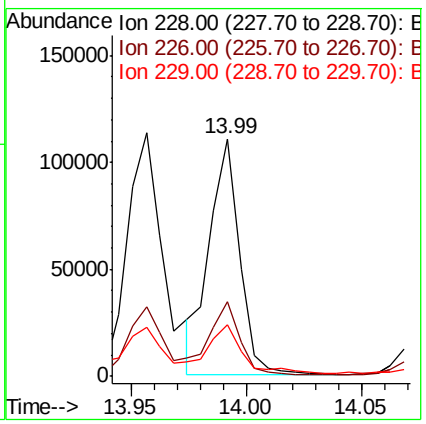


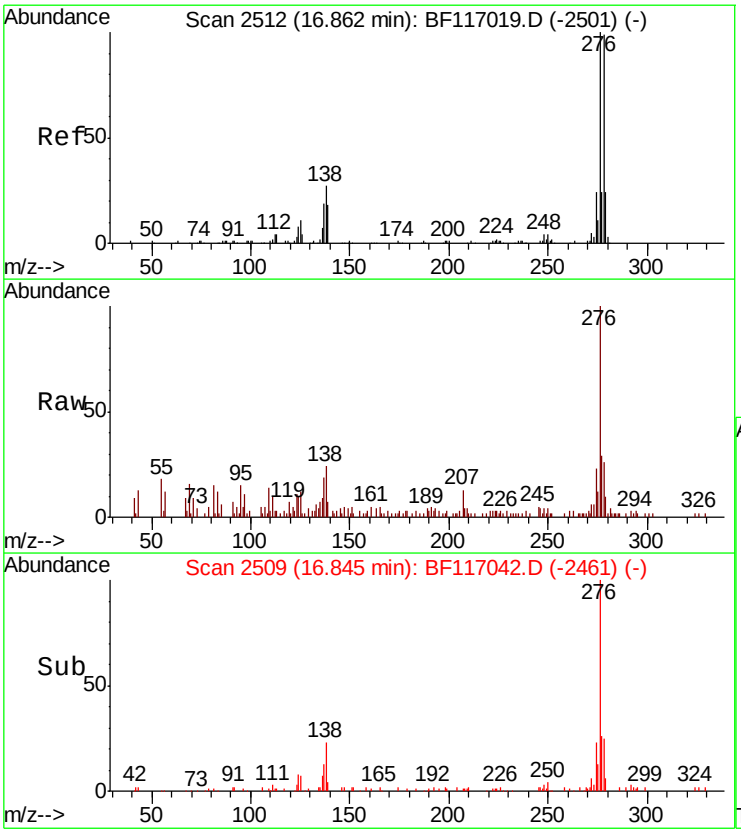
#83
Chrysene
Concen: 11.360 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 100257

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.8	37.2
229	21.9	15.8	23.8

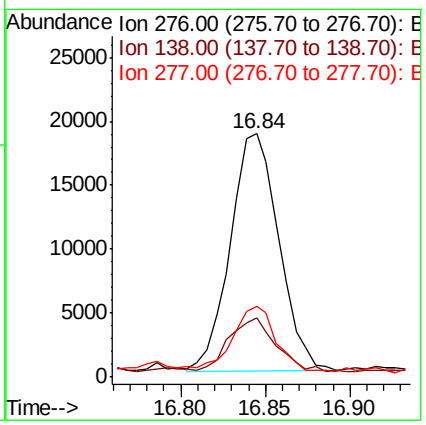


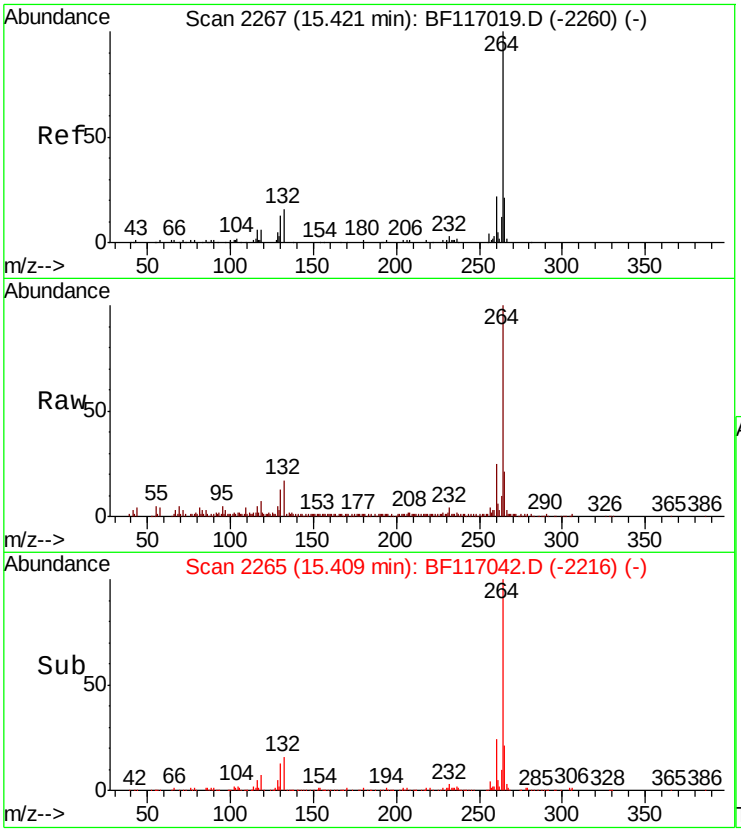


#86
Indeno(1,2,3-cd)pyrene
Concen: 5.759 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:276 Resp: 37078

Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.7	31.1
277	24.3	19.8	29.8



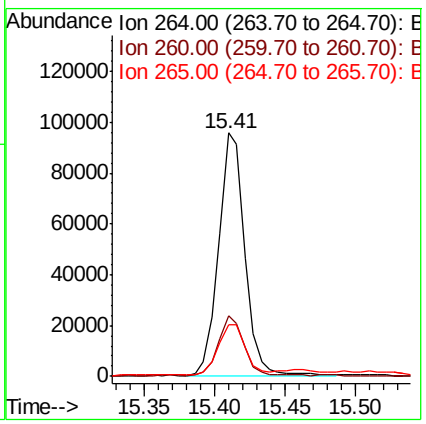


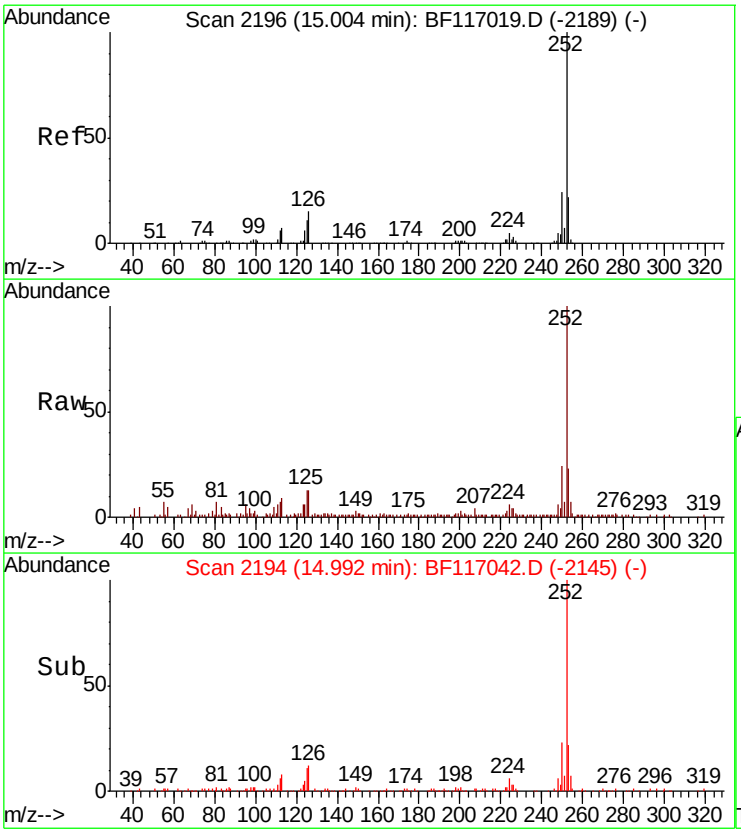
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 124845

Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.6	26.4
265	21.2	16.6	24.8

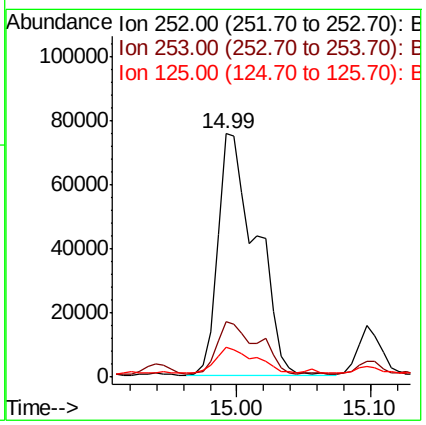


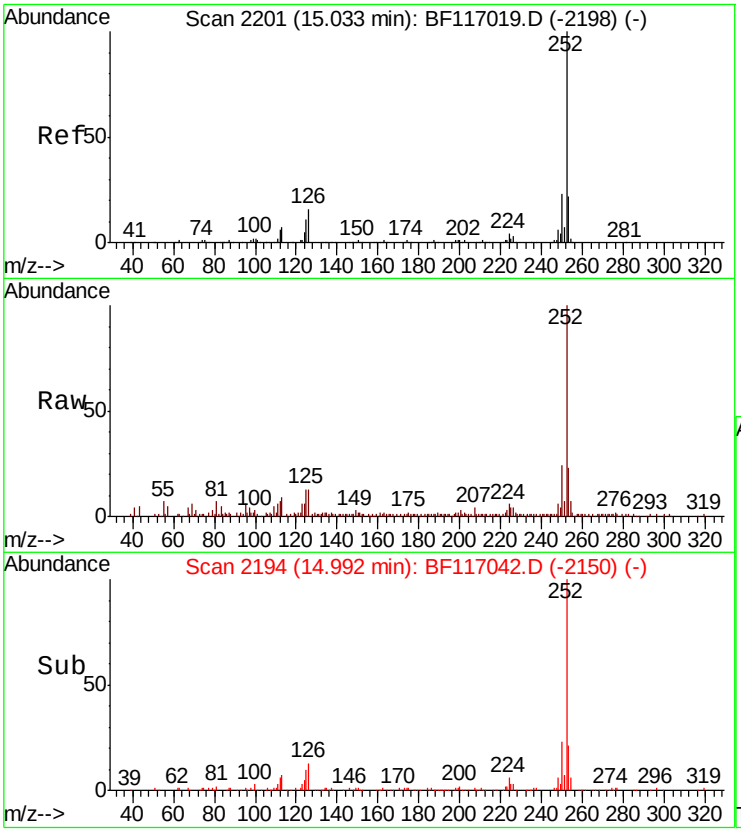


#88
Benzo(b)fluoranthene
Concen: 20.026 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:252 Resp: 151444

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	12.5	8.6	12.8



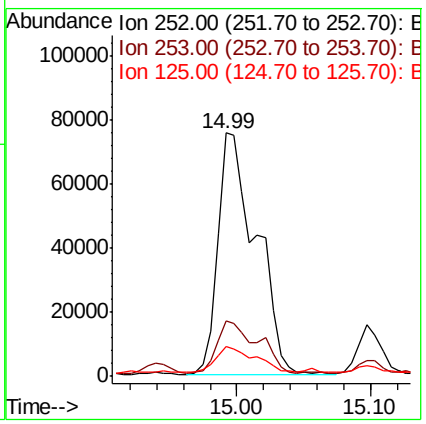


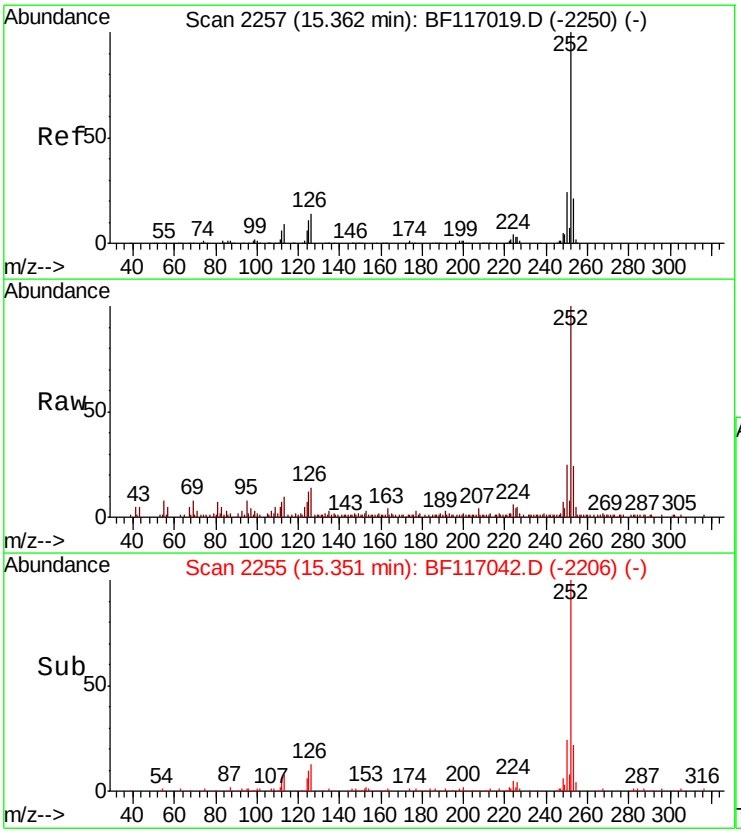
#89
Benzo(k)fluoranthene
Concen: 21.141 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 151444

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	12.5	8.8	13.2

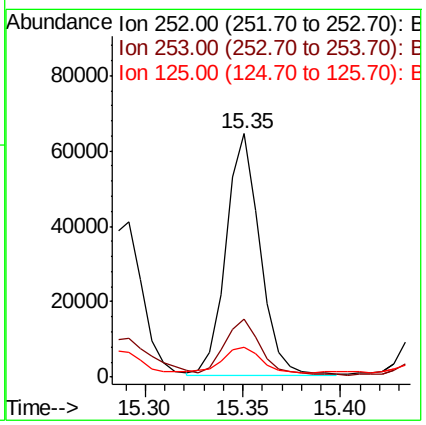


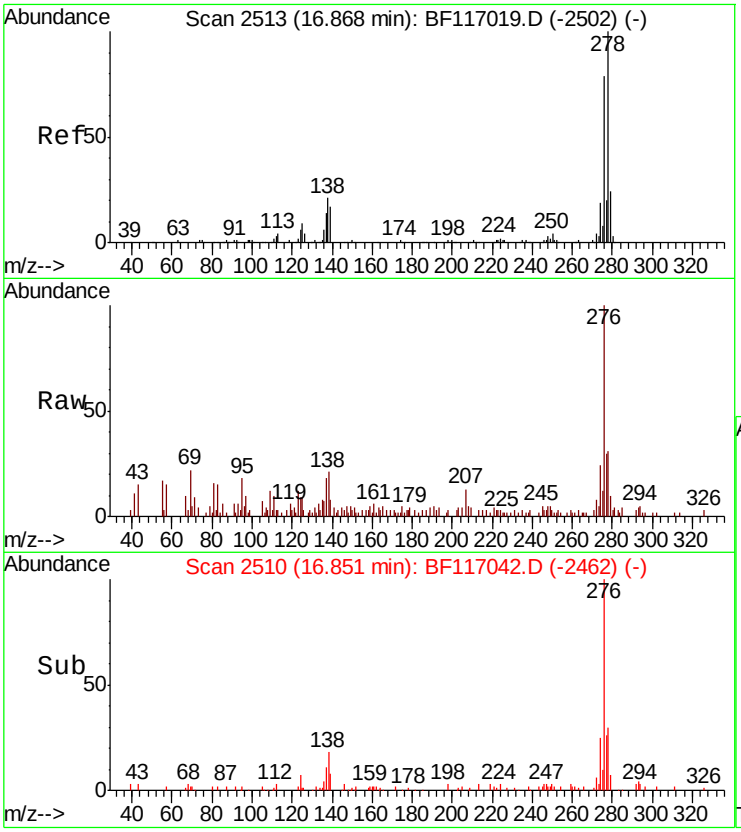


#90
Benzo(a)pyrene
Concen: 11.613 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:252 Resp: 77063

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.6	25.0
125	12.4	8.9	13.3



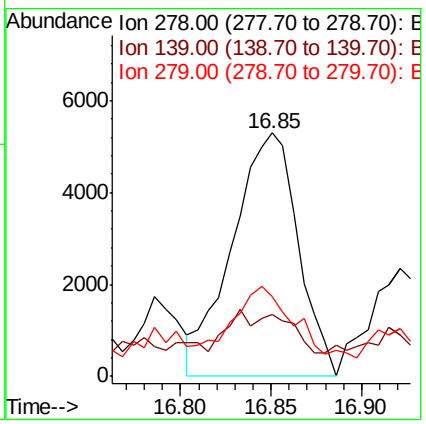


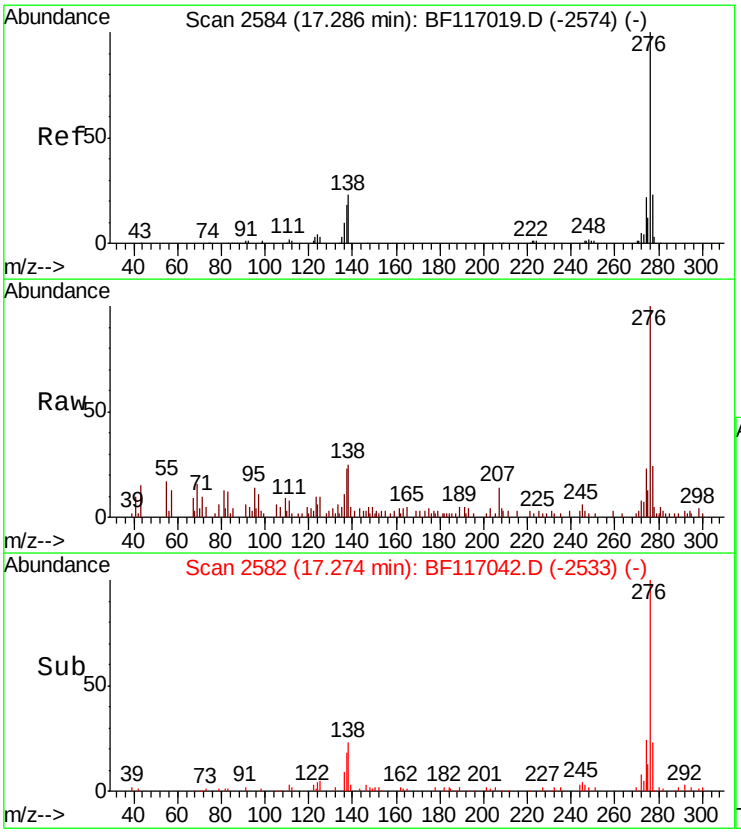
#91
Dibenzo(a,h)anthracene
Concen: 2.532 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 13388

Ion	Ratio	Lower	Upper
278	100		
139	25.3	13.5	20.3#
279	32.8	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 7.587 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:276 Resp: 39966

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	27.8
138	25.3	18.0	27.0