Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 30 01:19:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47392	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	182710	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	77445	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	102050	20.00	ng	0.00
76) Chrysene-d12	13.89	240	87183	20.00	ng	0.00
87) Perylene-d12	15.33	264	75398	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	305778	95.99	ng	0.00
7) Phenol-d6	6.40	99	418098	97.72	ng	0.02
23) Nitrobenzene-d5	7.29	82	254892	68.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	51805	77.31	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	346006	62.95	ng	-0.01
79) Terphenyl-d14	12.83	244	217134	40.62	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.39	77	521	Below Cal	#	3
10) Phenol	6.42	94	11363	2.602	ng	# 74
19) n-Nitroso-di-n-propylamine	7.29	70	33122	12.676	ng	# 81
25) Isophorone	7.29	82	254890	39.812	ng	# 65
50) Dimethylphthalate	9.48	163	33135	6.002	ng	99
51) 2,6-Dinitrotoluene	9.76	165	9759	8.471	ng	# 22
56) 4-Nitrophenol	9.97	139	2437	7.722	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	9759	6.371	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	3443	3.132	ng	# 1
71) Phenanthrene	11.27	178	152772	25.781	ng	98
72) Anthracene	11.33	178	42943	7.063	ng	98
73) Carbazole	11.49	167	13069	2.352	ng	97
75) Fluoranthene	12.46	202	275767	46.488	ng	99
77) Benzidine	12.83	184	3239	Below Cal	#	94
78) Pyrene	12.69	202	233216	31.143	ng	100
81) Benzo(a)anthracene	13.89	228	131511	22.363	ng	99
83) Chrysene	13.92	228	108503	18.826	ng	97
86) Indeno(1,2,3-cd)pyrene	16.75	276	44120	10.253	ng	# 92
88) Benzo(b)fluoranthene	14.93	252	175856	39.497	ng	98
89) Benzo(k)fluoranthene	14.93	252	175856	38.536	ng	# 97
90) Benzo(a)pyrene	15.27	252	85502	21.122	ng	96
91) Dibenzo(a,h)anthracene	16.74	278	12457	3.559	ng	# 87
92) Benzo(g,h,i)perylene	17.18	276	36890	11.139	ng	93

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

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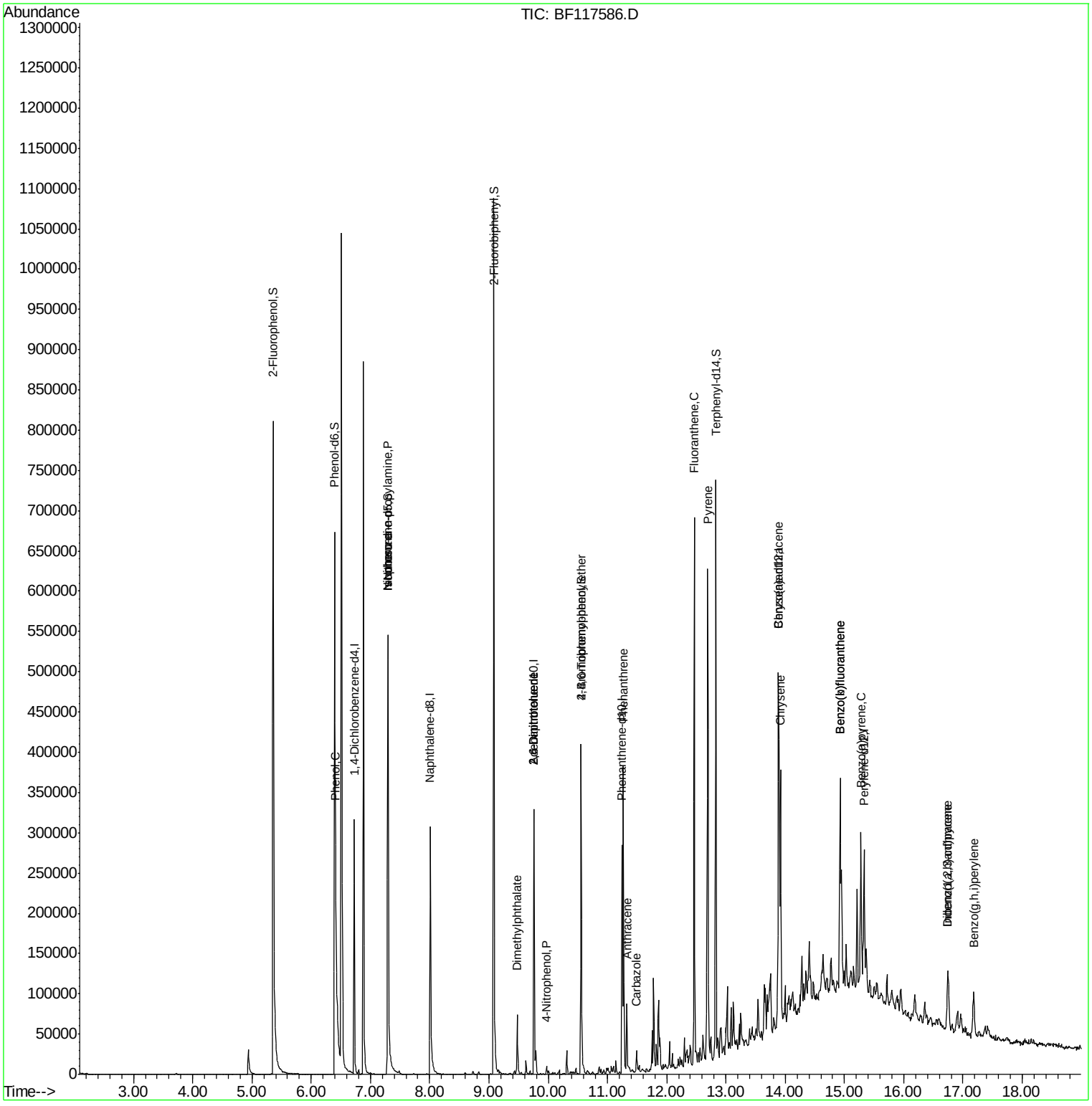
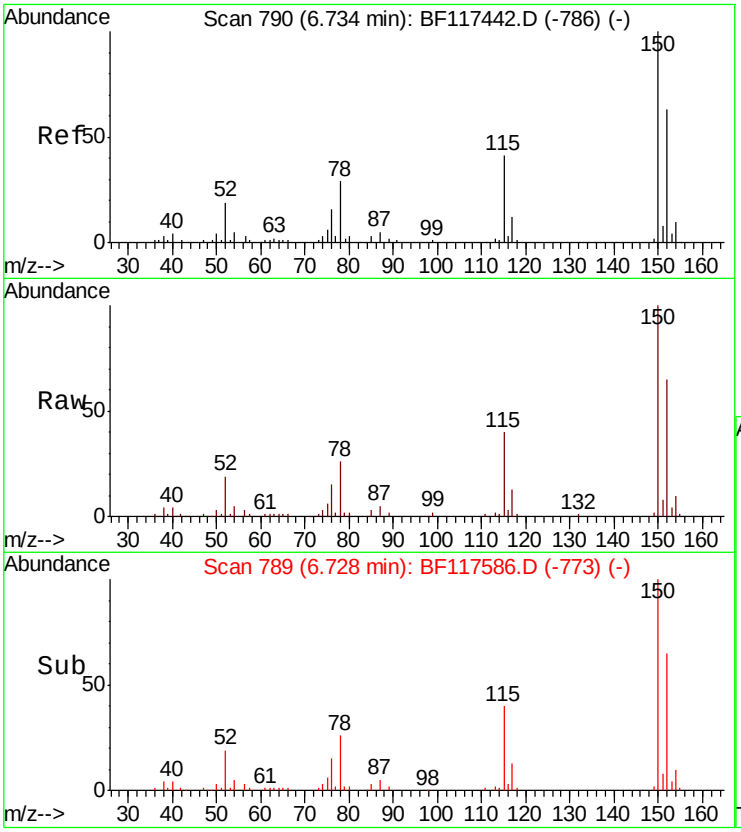


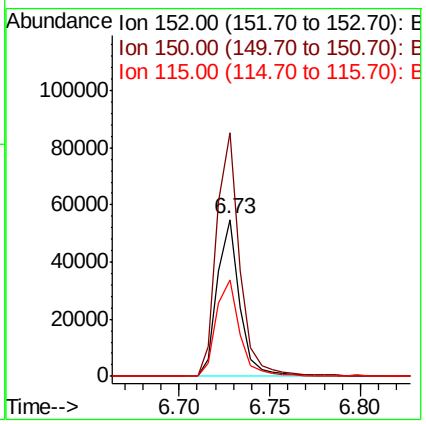


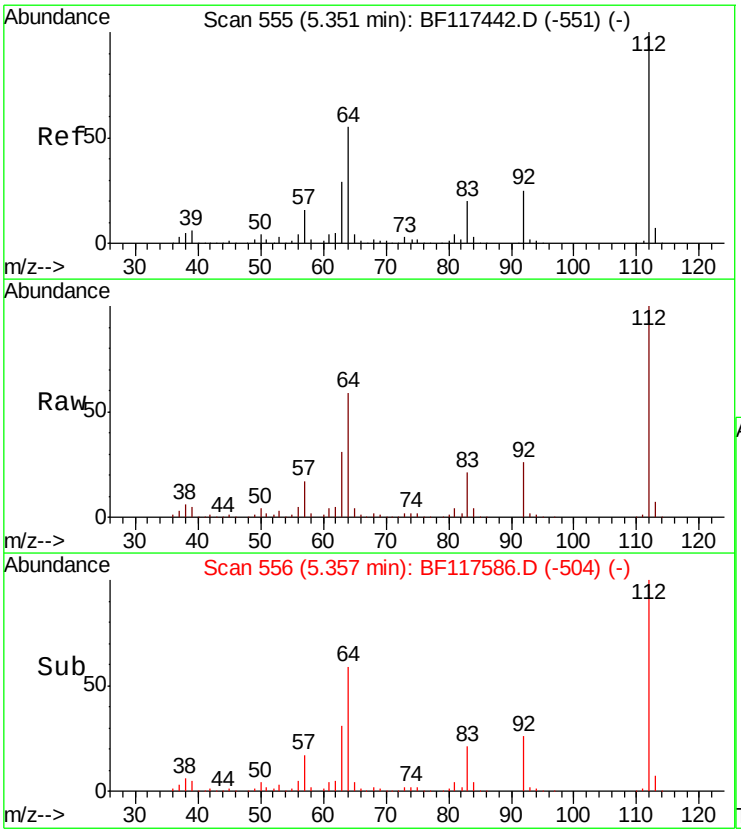
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 47392

Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.8	190.2
115	61.7	51.6	77.4

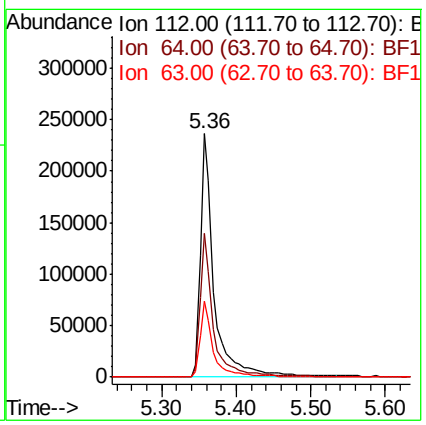


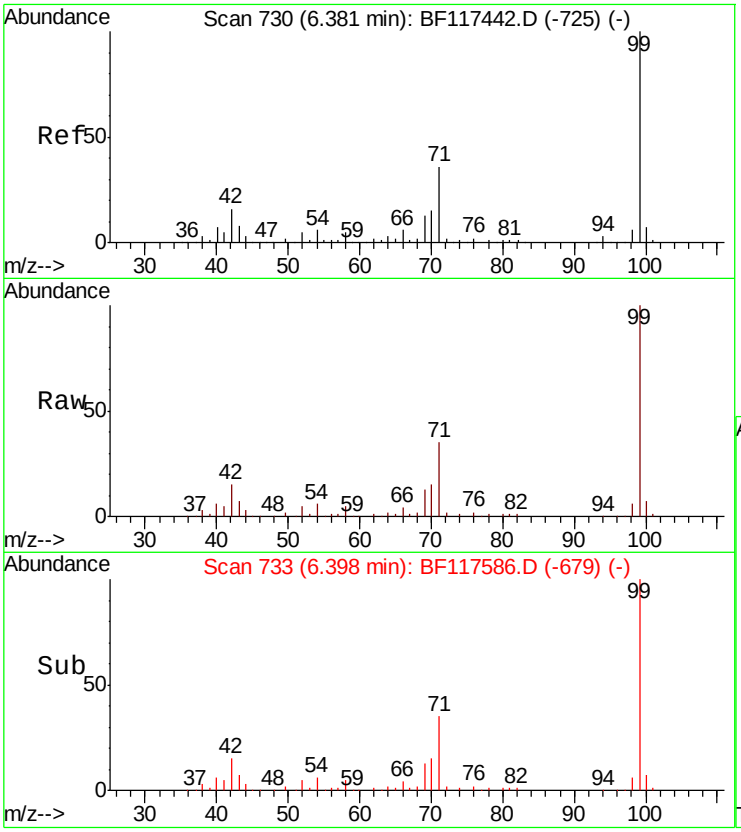


#5
2-Fluorophenol
Concen: 95.988 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:112 Resp: 305778

Ion	Ratio	Lower	Upper
112	100		
64	59.1	44.1	66.1
63	31.0	23.4	35.2



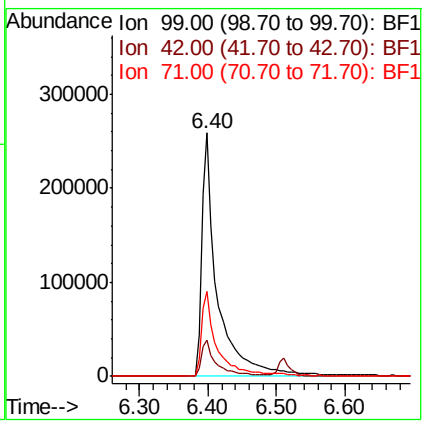


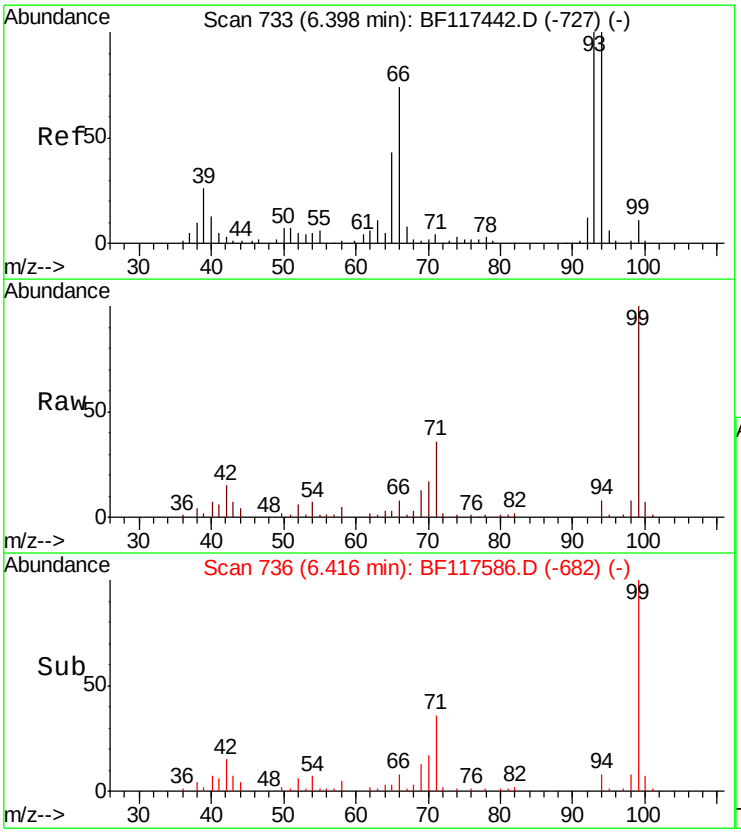
#7
Phenol-d6
Concen: 97.719 ng
RT: 6.40 min Scan# 733
Delta R.T. 0.02 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 418098

Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.8	19.2
71	34.7	28.6	43.0

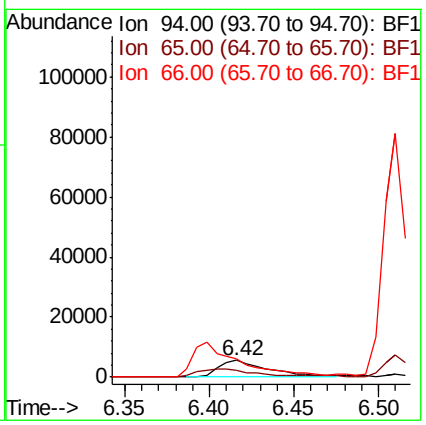


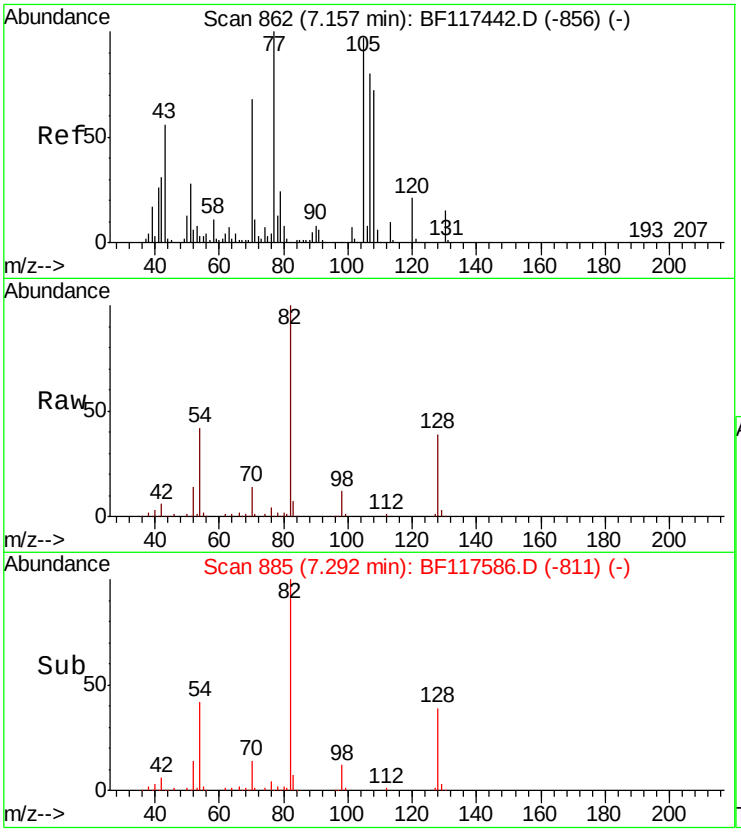


#10
Phenol
Concen: 2.602 ng
RT: 6.42 min Scan# 736
Delta R.T. 0.02 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion: 94 Resp: 11363

Ion	Ratio	Lower	Upper
94	100		
65	42.7	23.4	63.4
66	108.5	54.7	94.7#



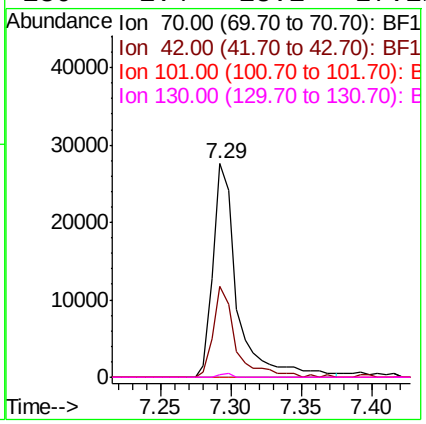


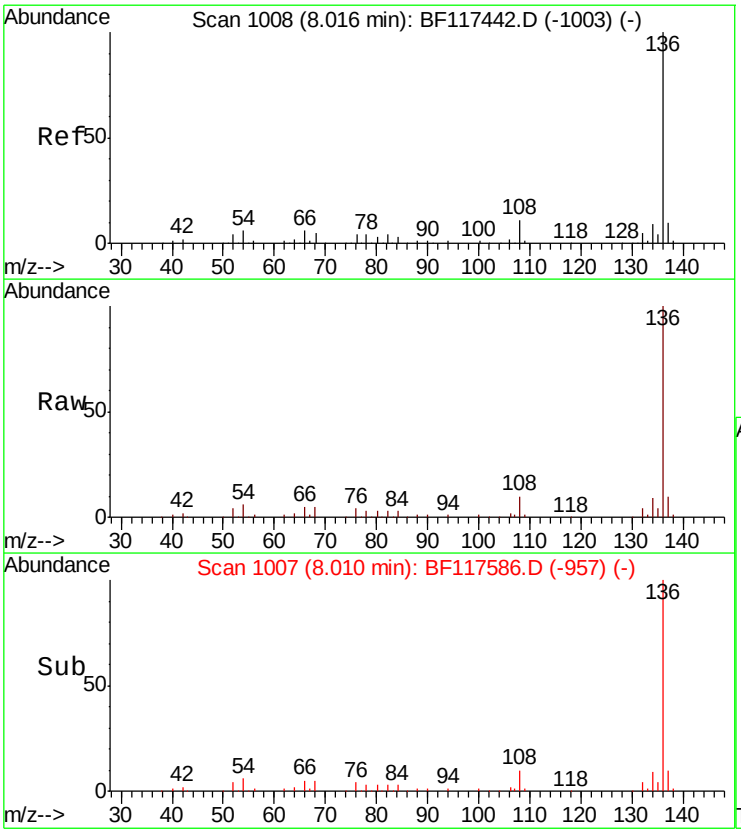
#19
n-Nitroso-di-n-propylamine
Concen: 12.676 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 33122

Ion	Ratio	Lower	Upper
70	100		
42	42.5	36.7	55.1
101	0.0	8.3	12.5#
130	1.4	18.1	27.1#

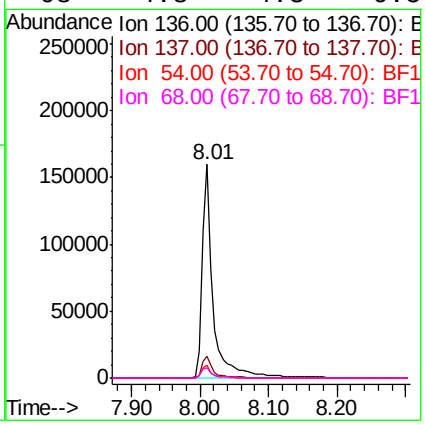


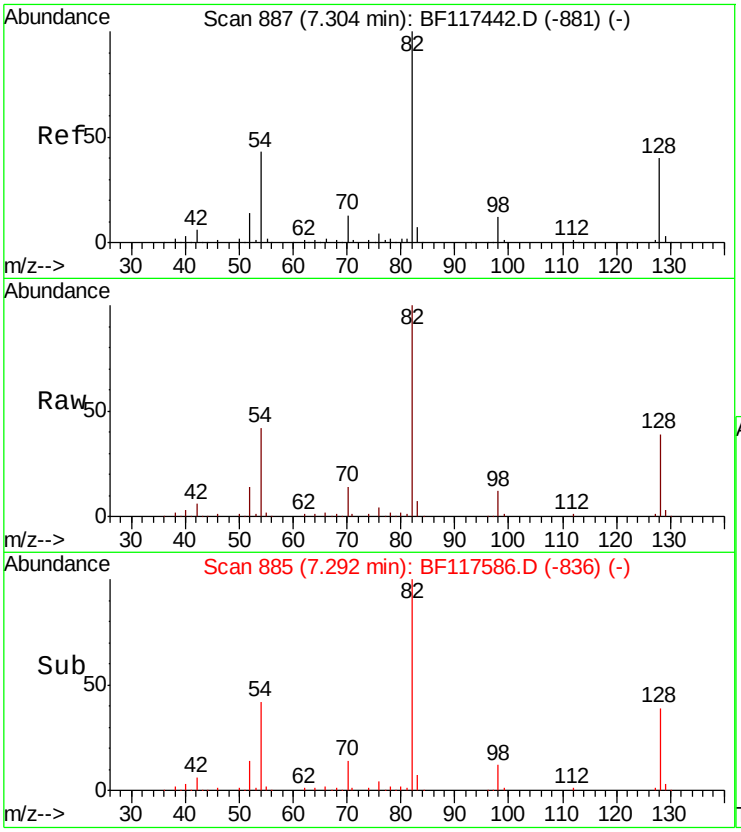


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:136 Resp: 182710

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.4
54	6.0	4.5	6.7
68	4.8	4.3	6.5



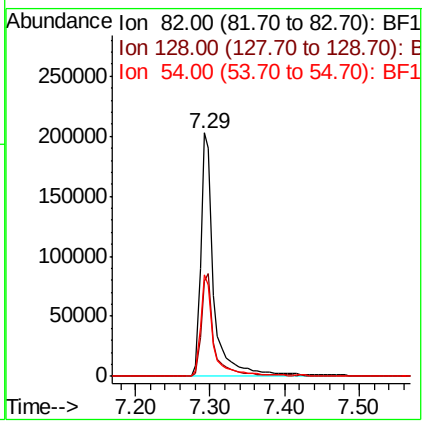


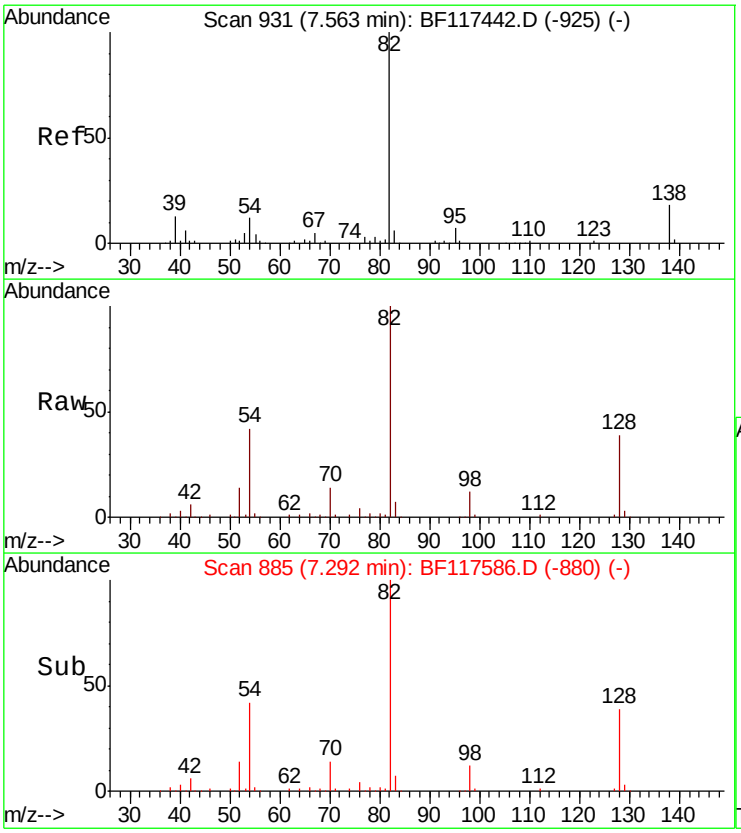
#23
Nitrobenzene-d5
Concen: 68.871 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 254892

Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.2	48.2
54	41.8	34.2	51.2

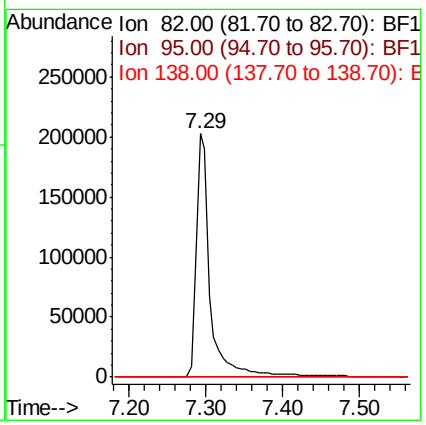


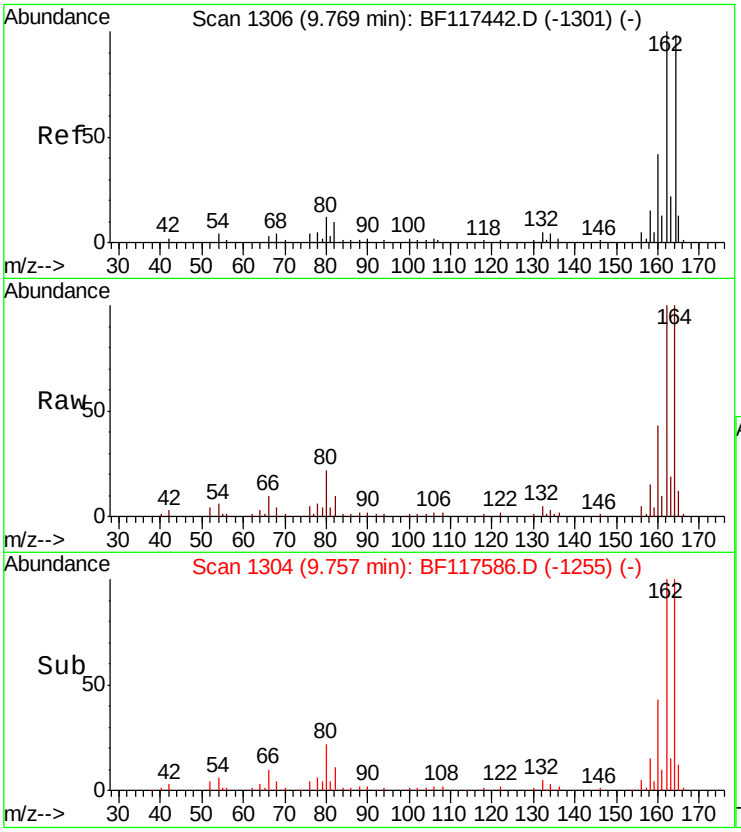


#25
Isophorone
Concen: 39.812 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion: 82 Resp: 254890

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#



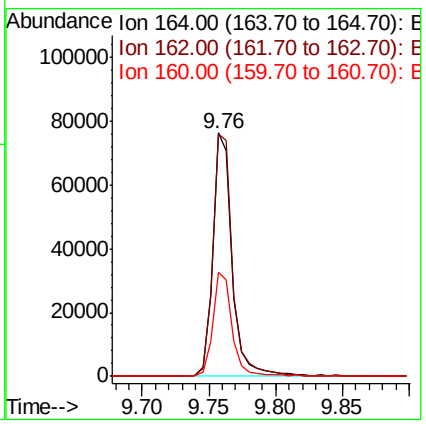


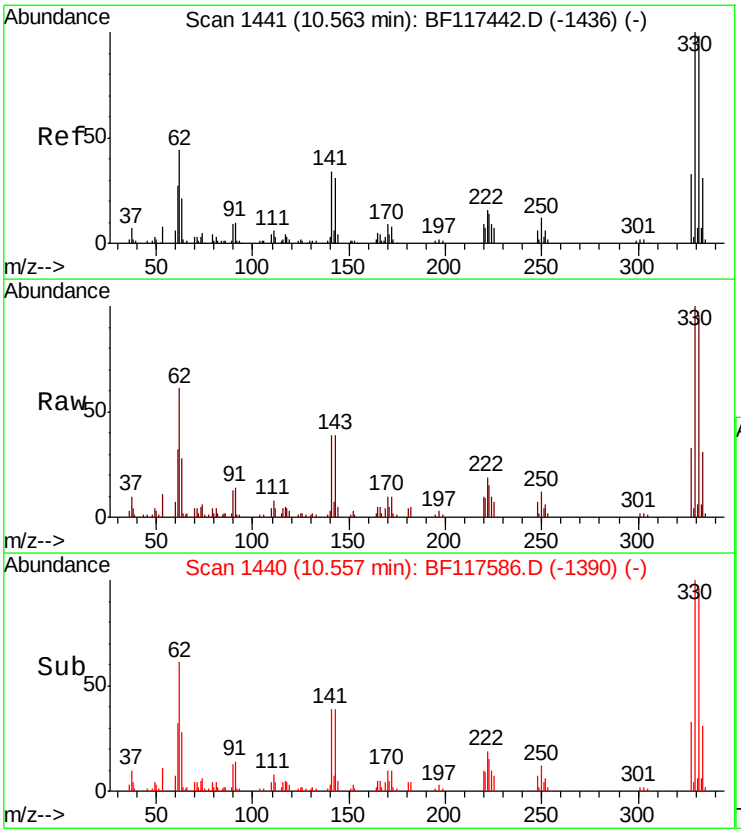
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 77445

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.8	122.6
160	42.9	34.4	51.6

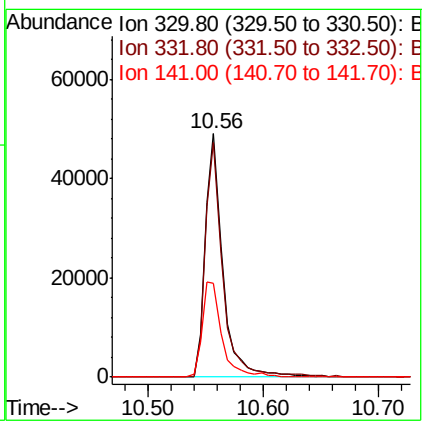


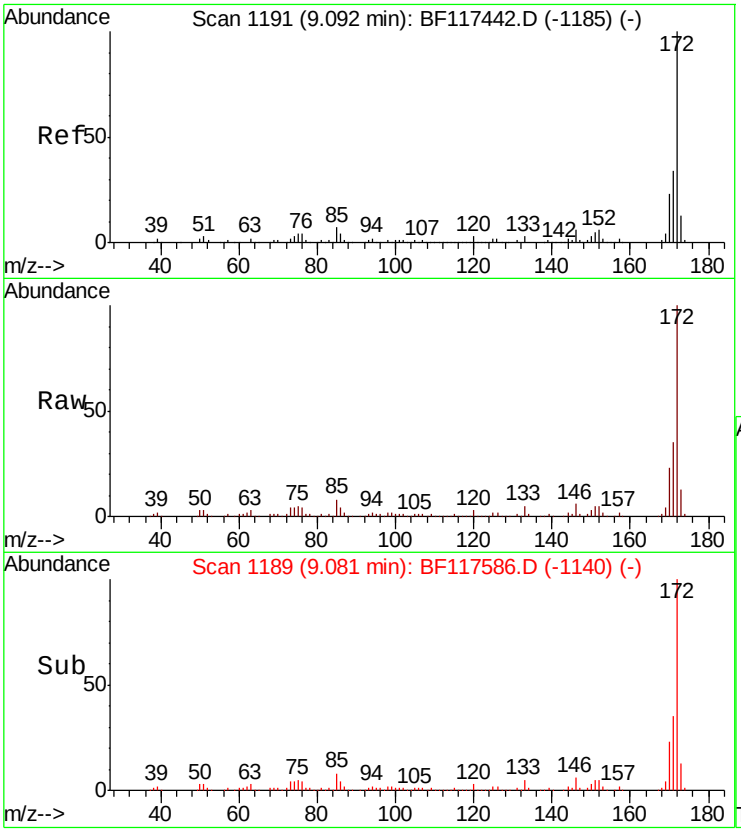


#42
2,4,6-Tribromophenol
Concen: 77.310 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:330 Resp: 51805

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	44.0	37.0	55.6



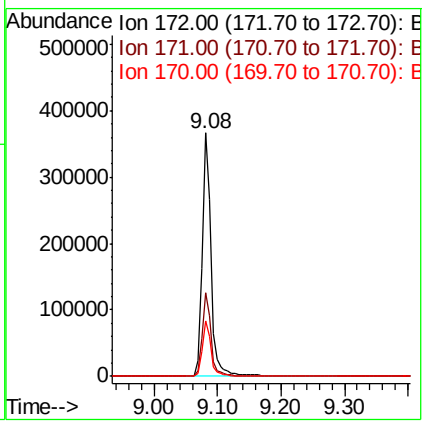


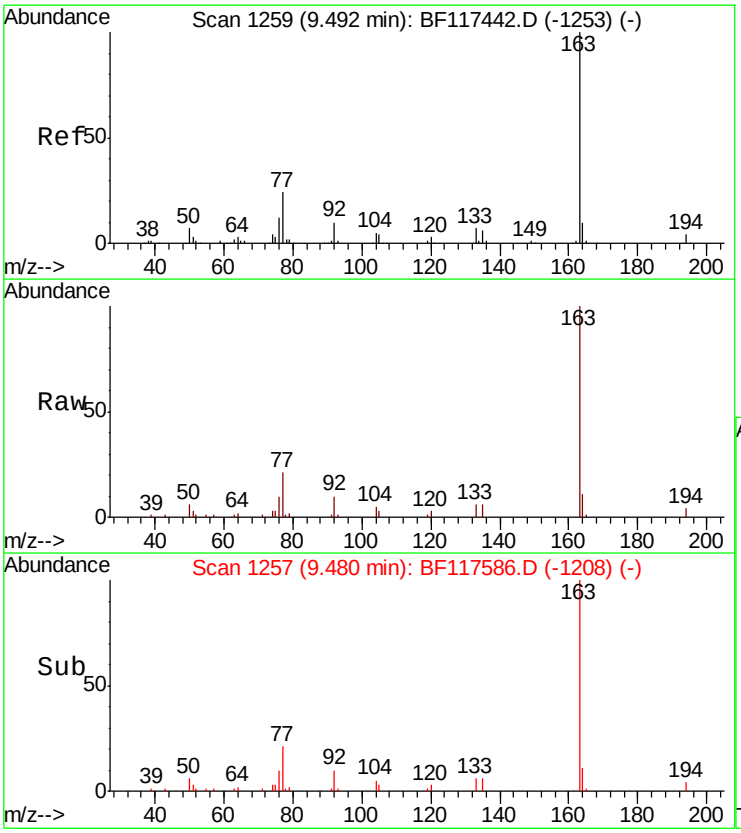
#45
2-Fluorobiphenyl
Concen: 62.950 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 346006

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	22.9	18.6	27.8

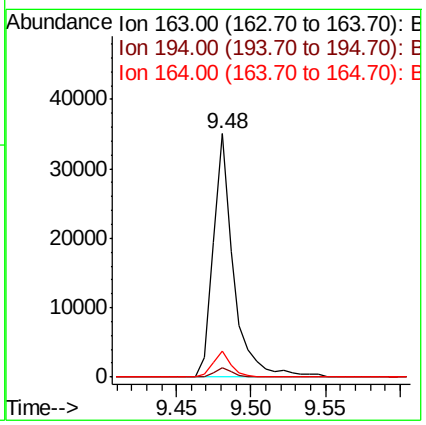


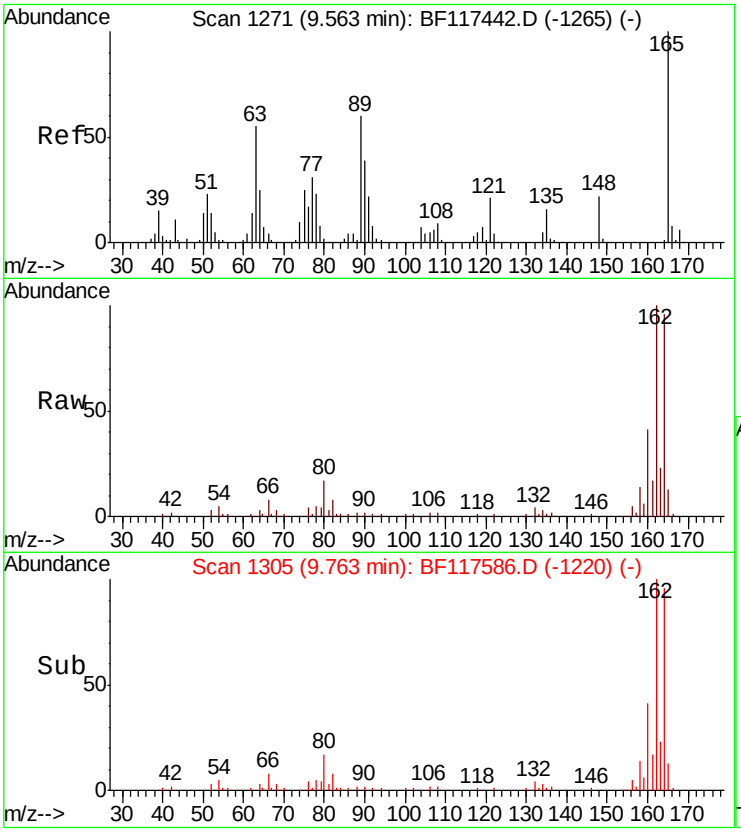


#50
Dimethylphthalate
Concen: 6.002 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:163 Resp: 33135

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.9	4.3
164	10.6	8.2	12.2



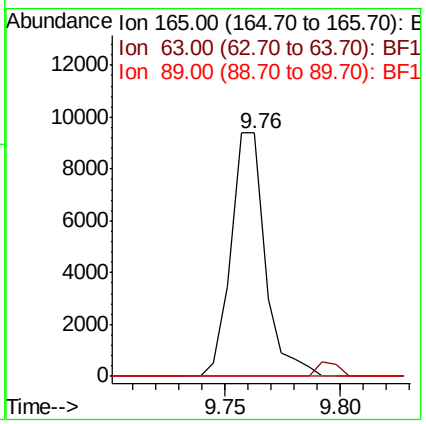


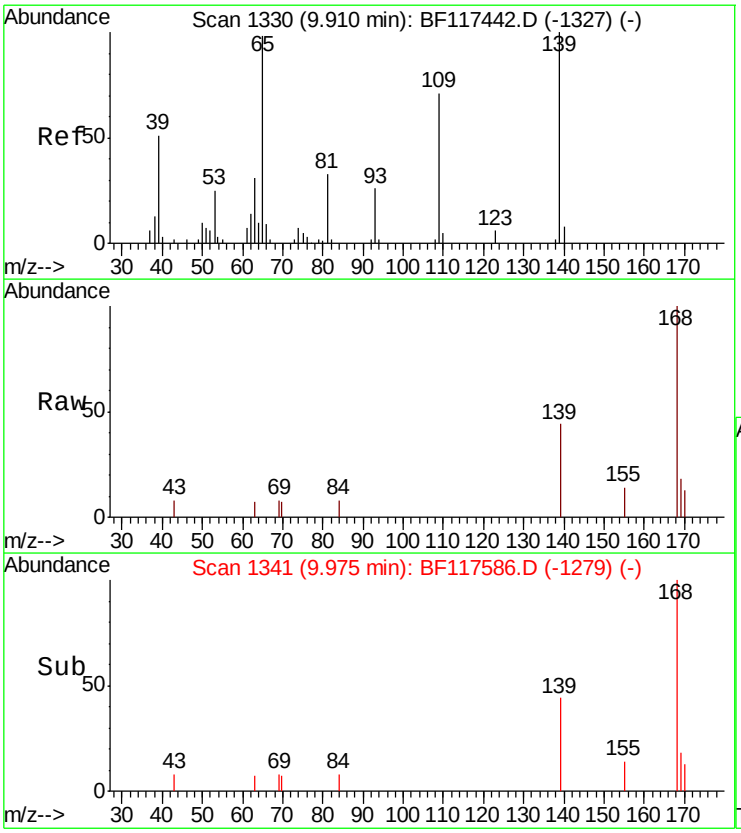
#51
2,6-Dinitrotoluene
Concen: 8.471 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9759

Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

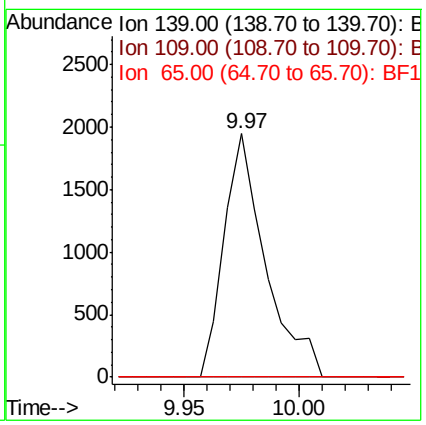


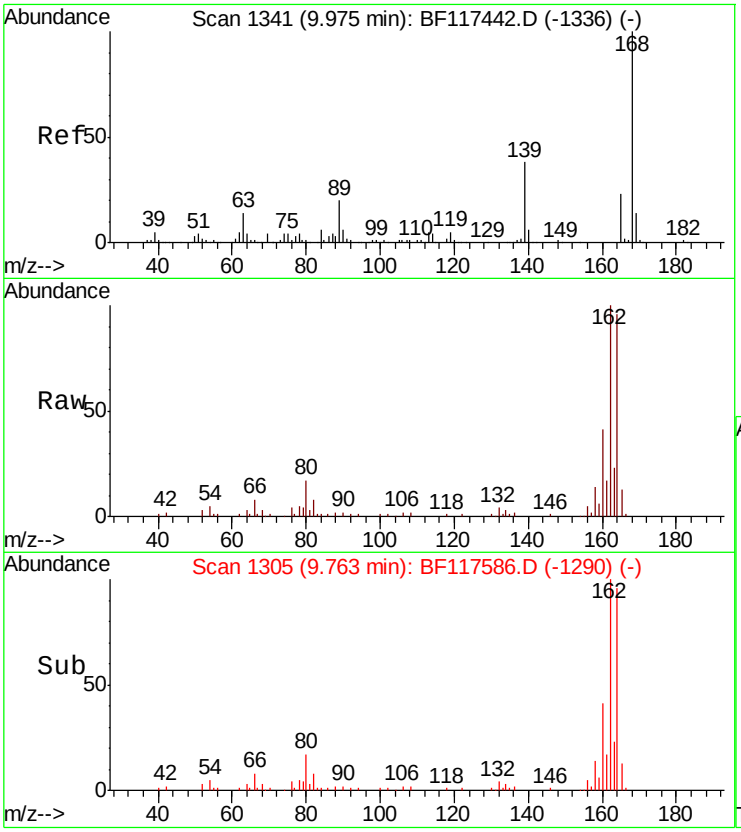


#56
4-Nitrophenol
Concen: 7.722 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:139 Resp: 2437

Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#



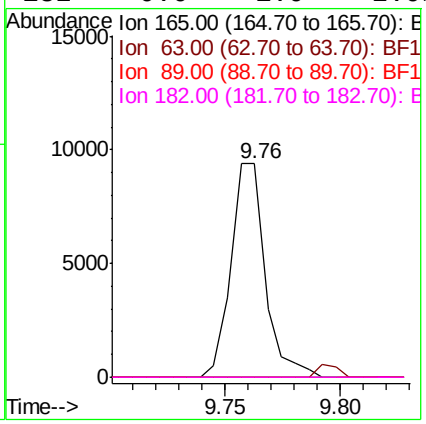


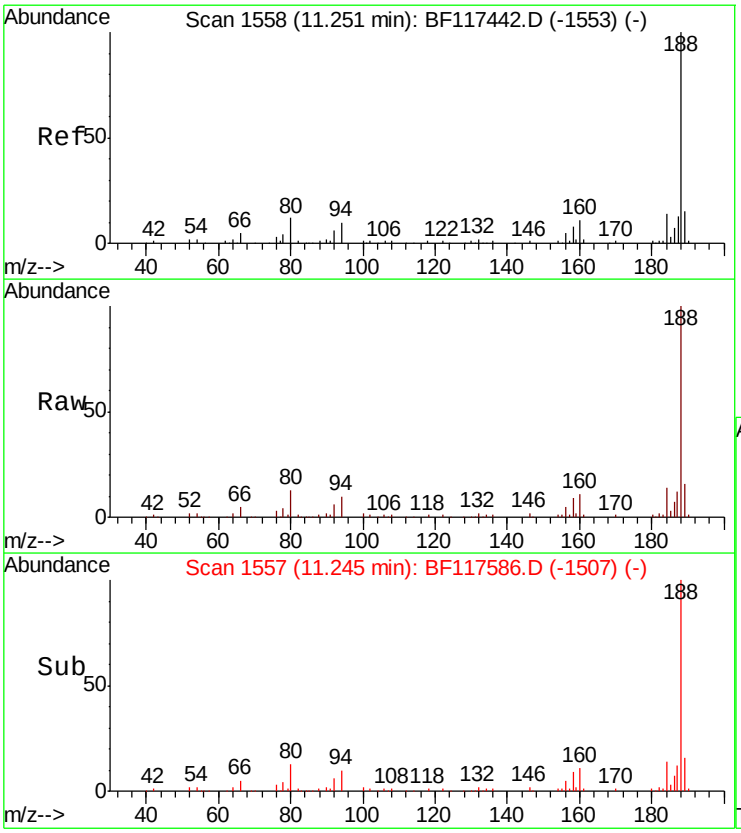
#57
2,4-Dinitrotoluene
Concen: 6.371 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9759

Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#

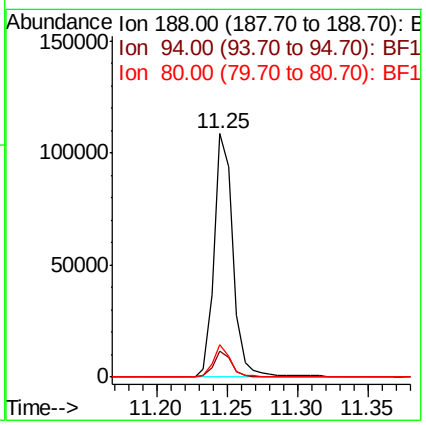


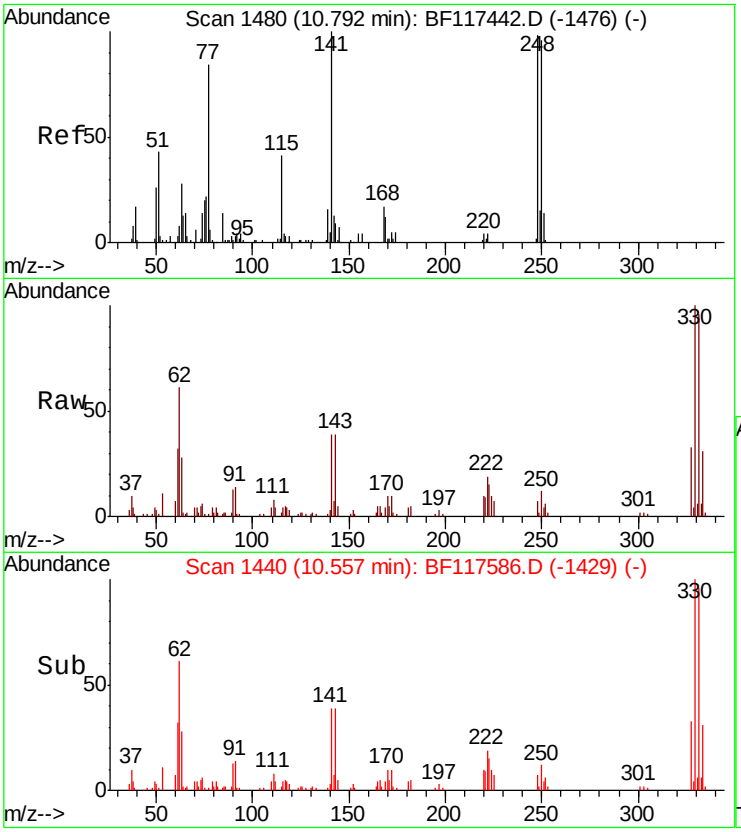


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:188 Resp: 102050

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	13.2	9.5	14.3



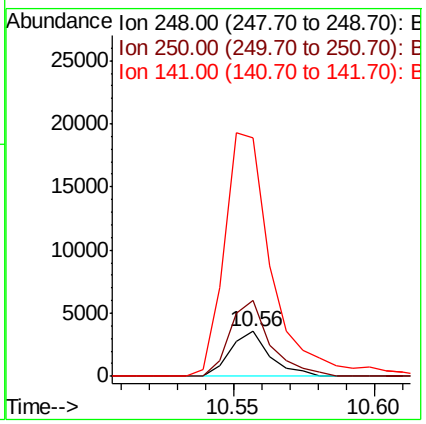


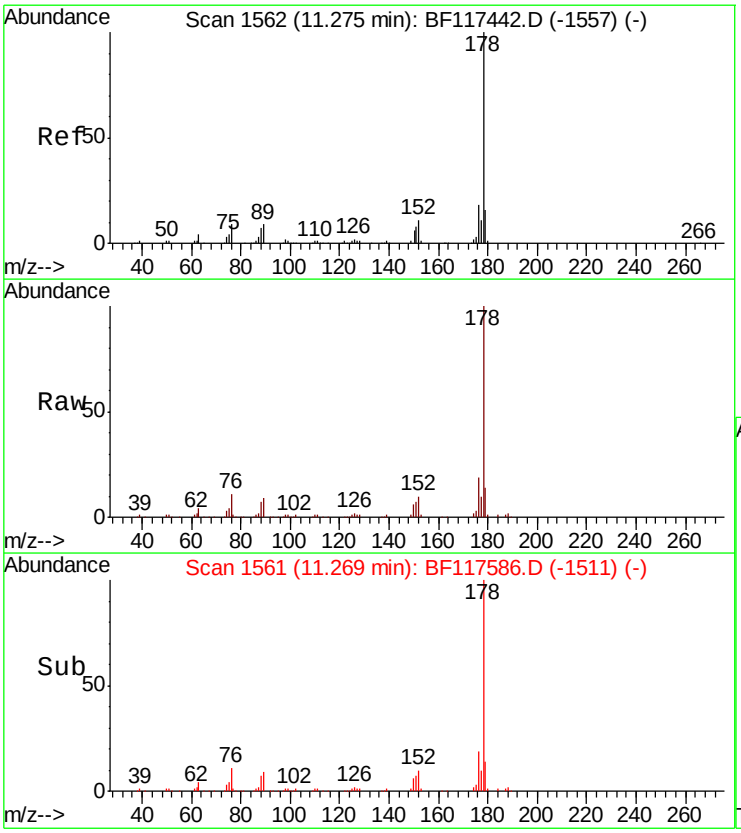
#67
4-Bromophenyl-phenylether
Concen: 3.132 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 3443

Ion	Ratio	Lower	Upper
248	100		
250	169.1	78.0	117.0#
141	529.4	81.7	122.5#

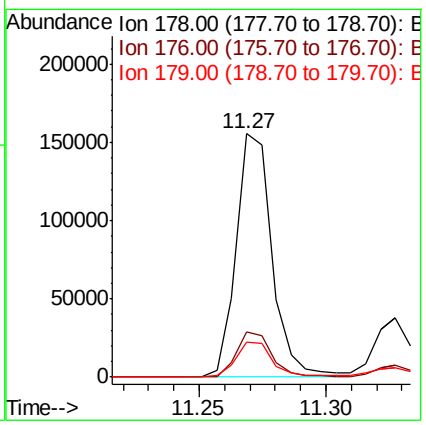


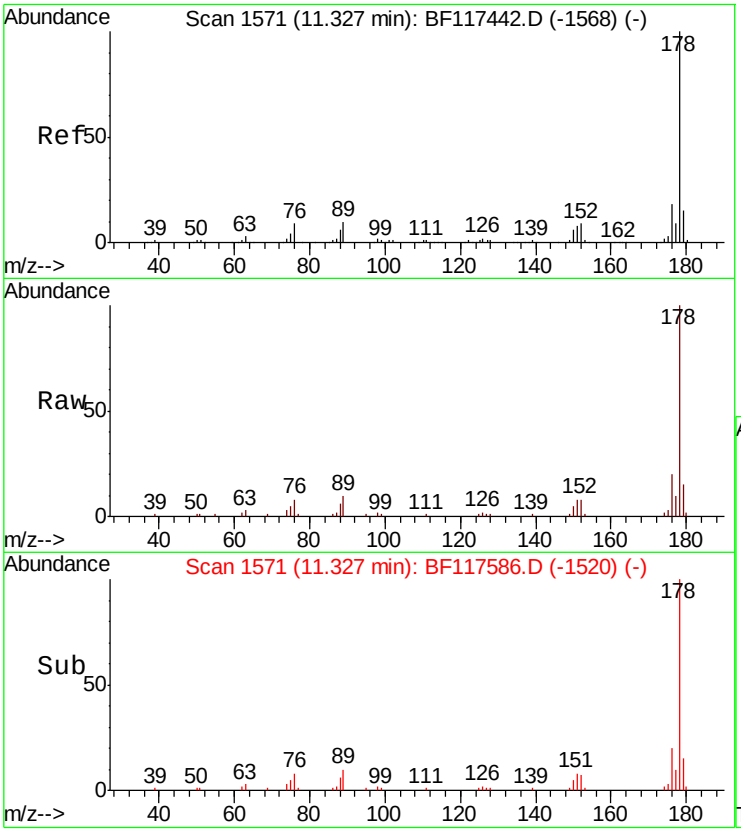


#71
Phenanthrene
Concen: 25.781 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:178 Resp: 152772

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	14.3	12.6	19.0



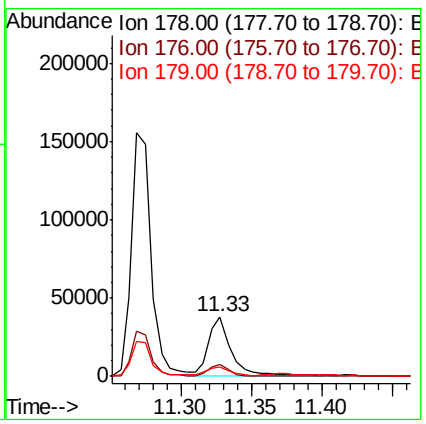


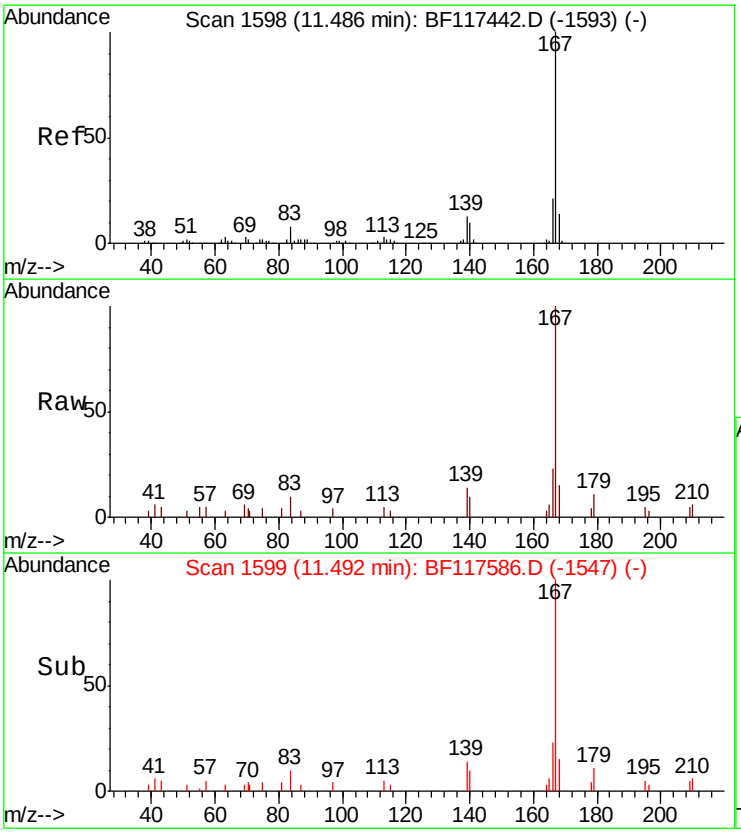
#72
Anthracene
Concen: 7.063 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 42943

Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.7	22.1
179	14.9	12.2	18.2

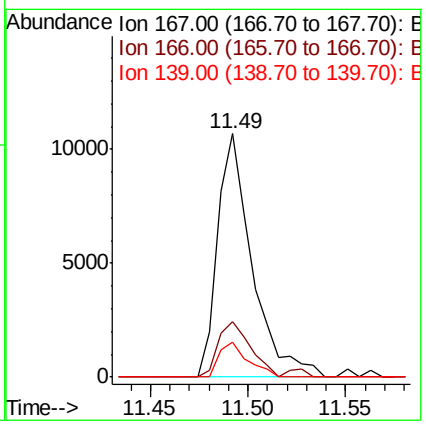


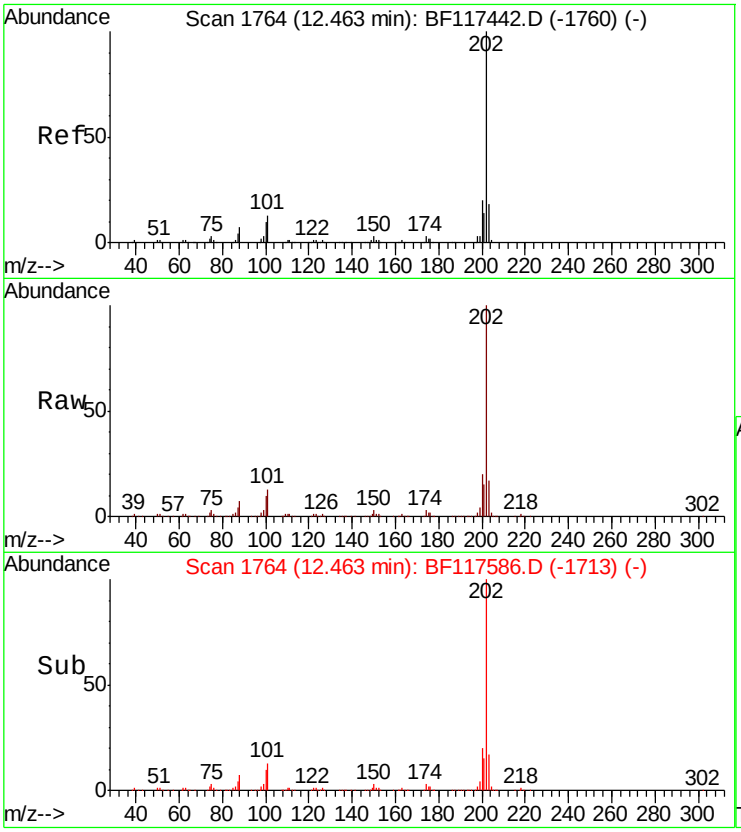


#73
Carbazole
Concen: 2.352 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:167 Resp: 13069

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	14.4	10.6	16.0



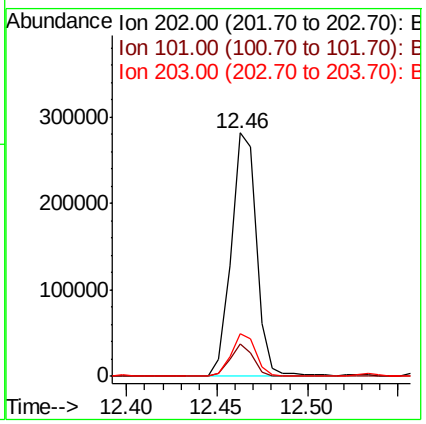


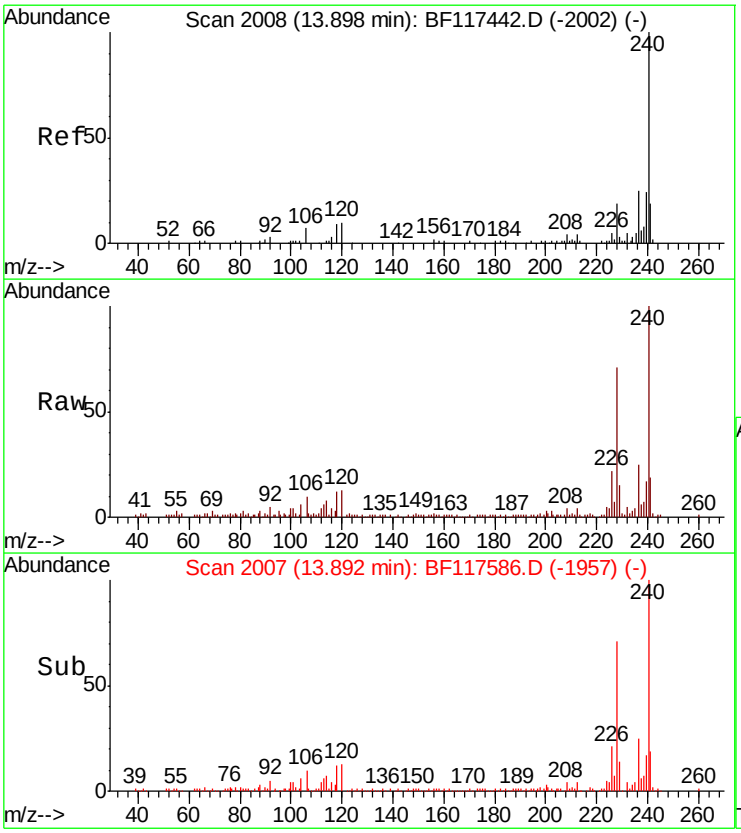
#75
Fluoranthene
Concen: 46.488 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 275767

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.7
203	17.3	0.0	37.6

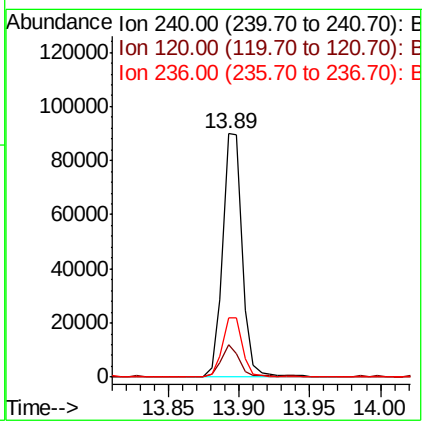


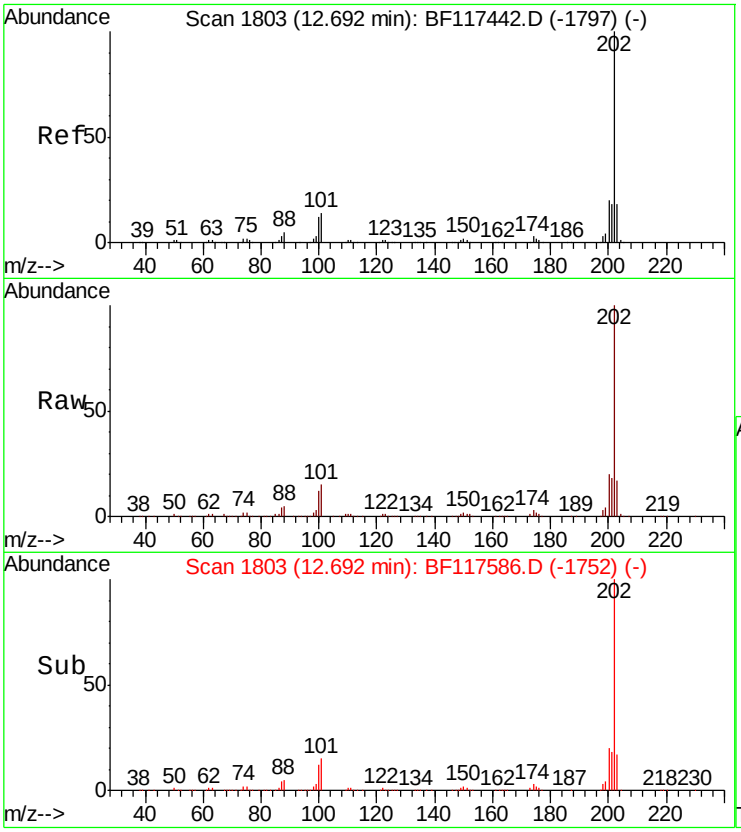


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:240 Resp: 87183

Ion	Ratio	Lower	Upper
240	100		
120	13.4	8.4	12.6#
236	24.5	20.0	30.0



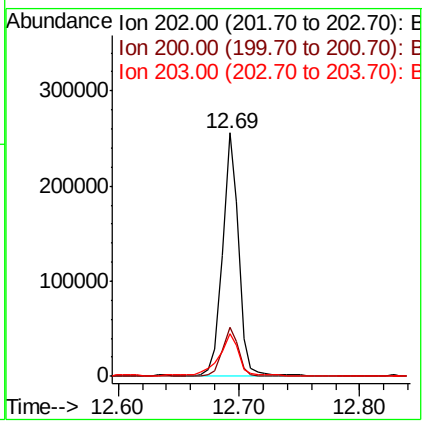


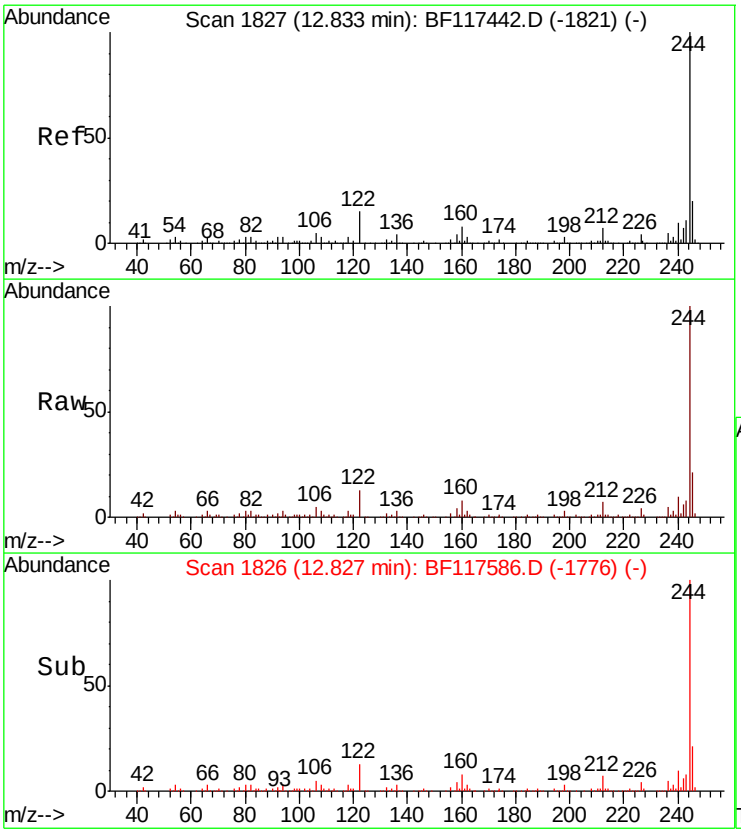
#78
Pyrene
Concen: 31.143 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 233216

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	17.5	14.0	21.0

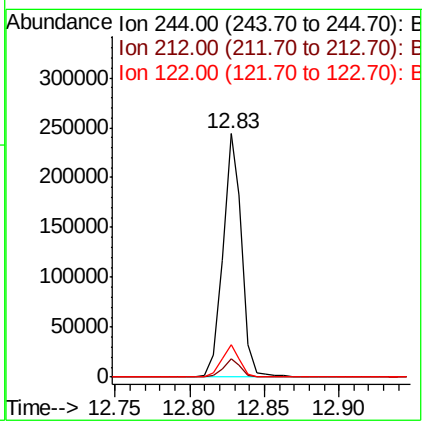


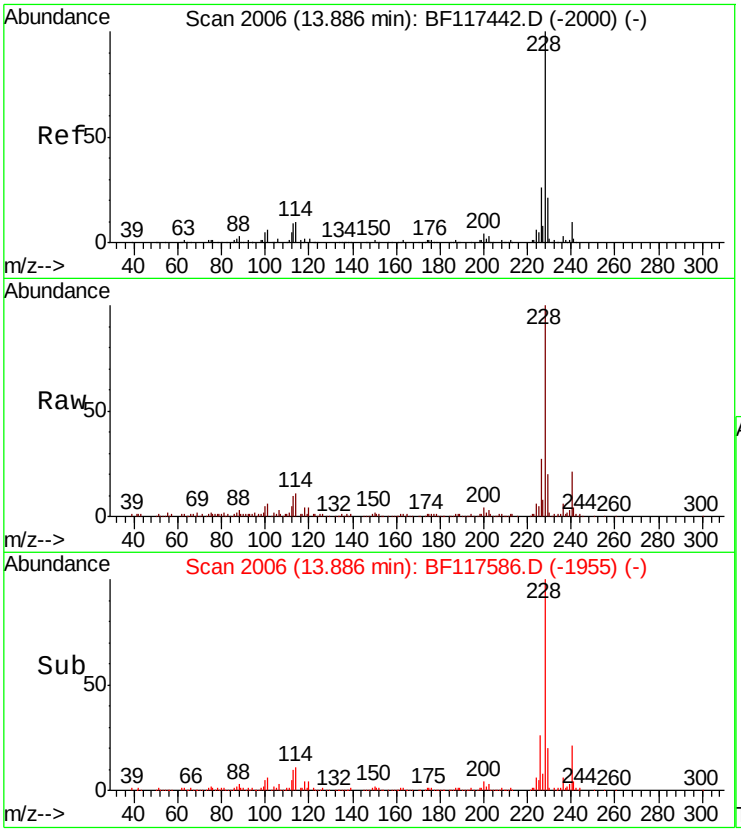


#79
Terphenyl-d14
Concen: 40.624 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:244 Resp: 217134

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	13.4	11.8	17.8



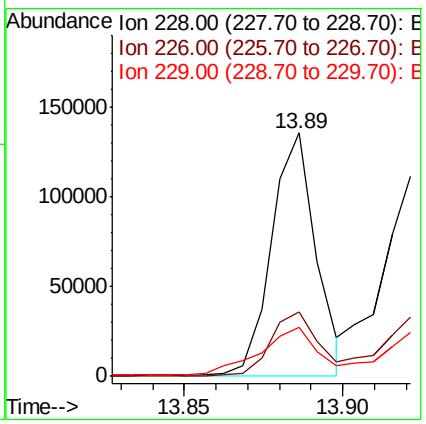


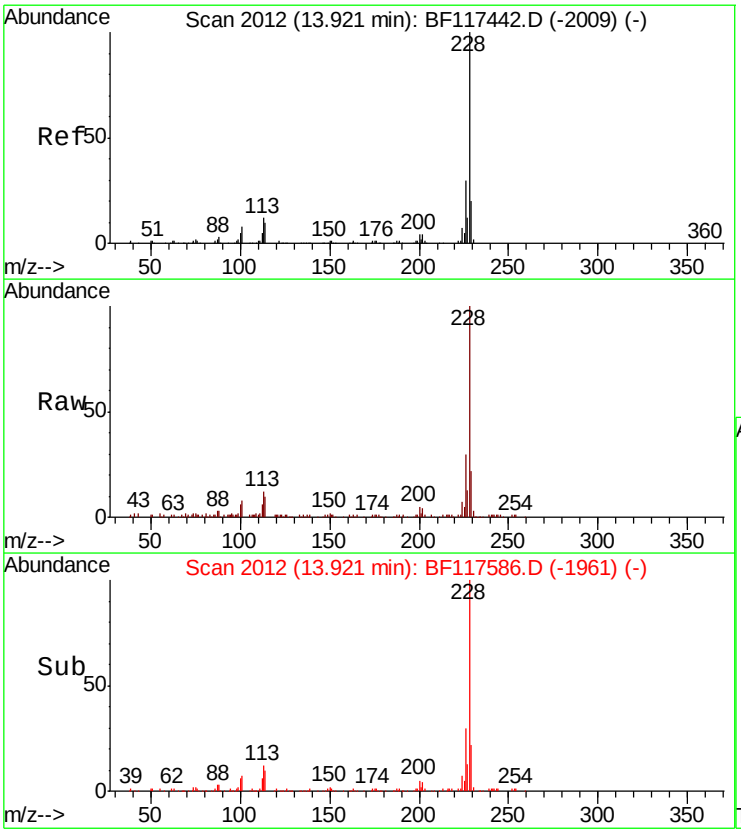
#81
Benzo(a)anthracene
Concen: 22.363 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 131511

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.4
229	20.1	16.4	24.6

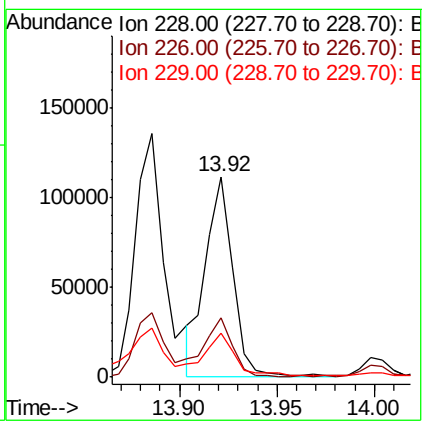


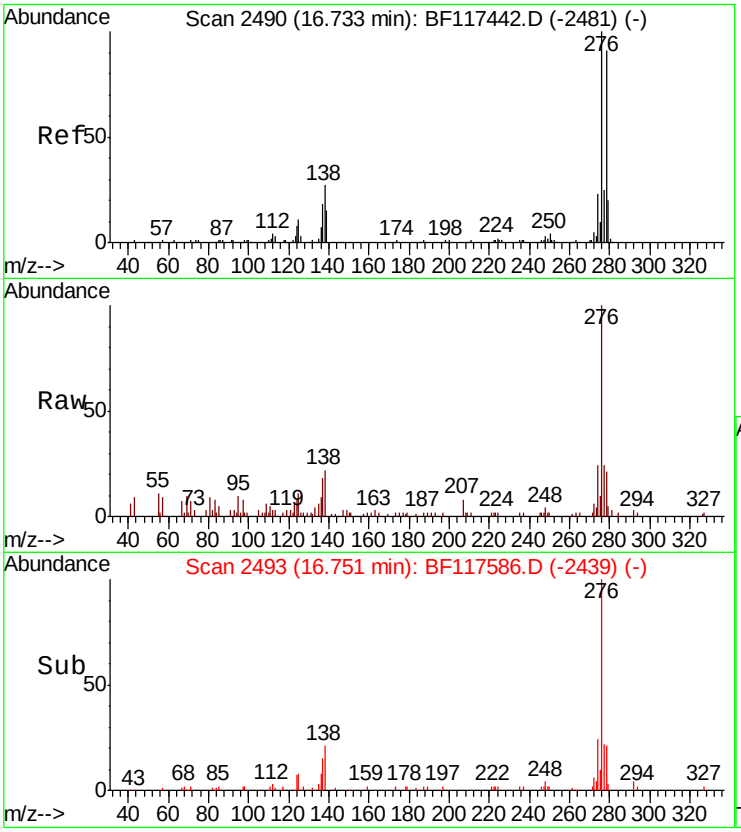


#83
Chrysene
Concen: 18.826 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:228 Resp: 108503

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	22.1	15.8	23.6



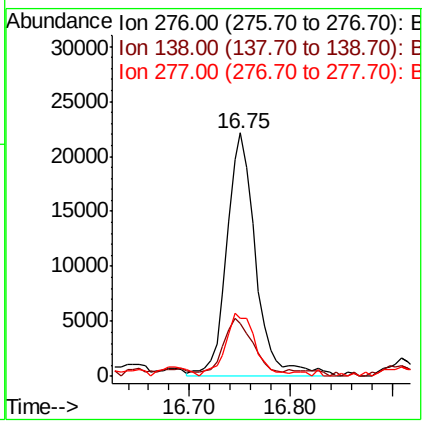


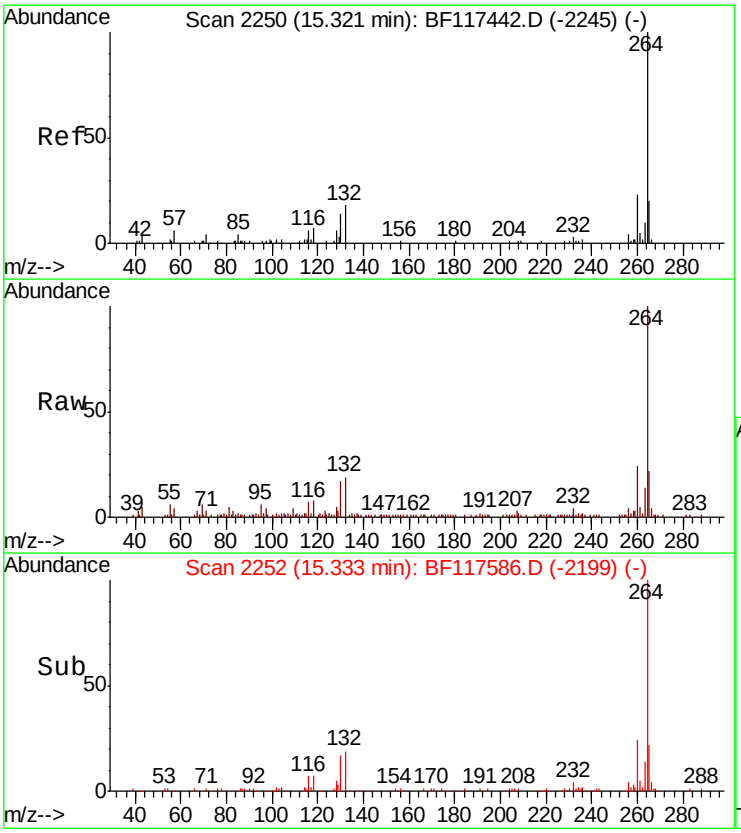
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.253 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 44120

Ion	Ratio	Lower	Upper
276	100		
138	21.2	21.8	32.8#
277	26.6	20.0	30.0

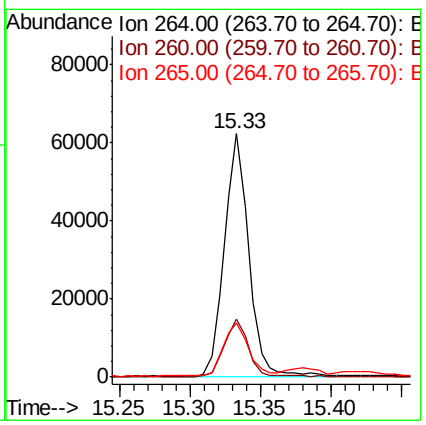


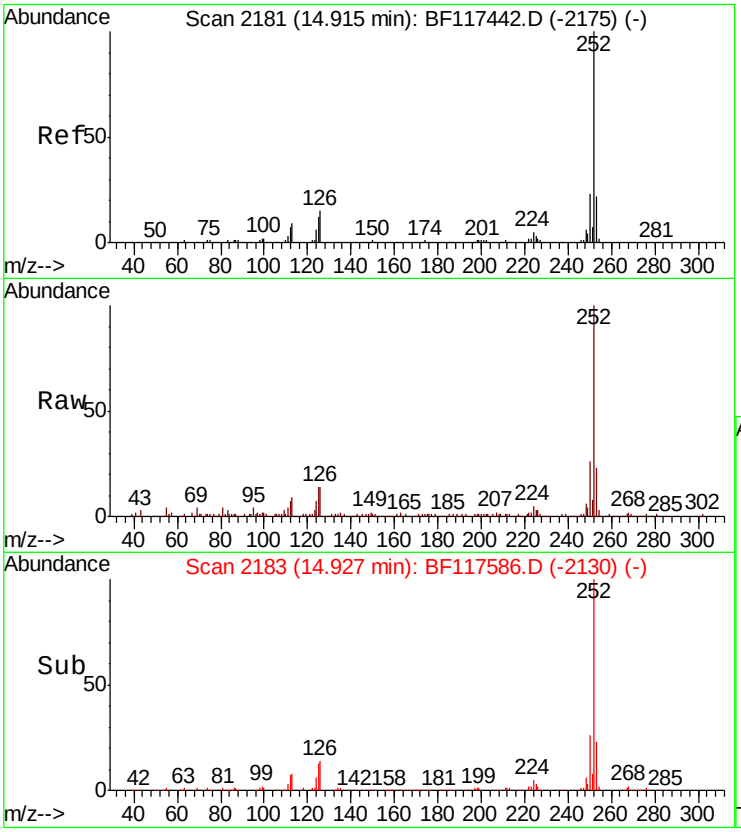


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:264 Resp: 75398

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.5	16.1	24.1



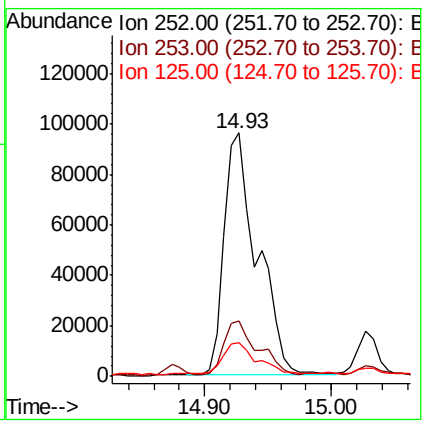


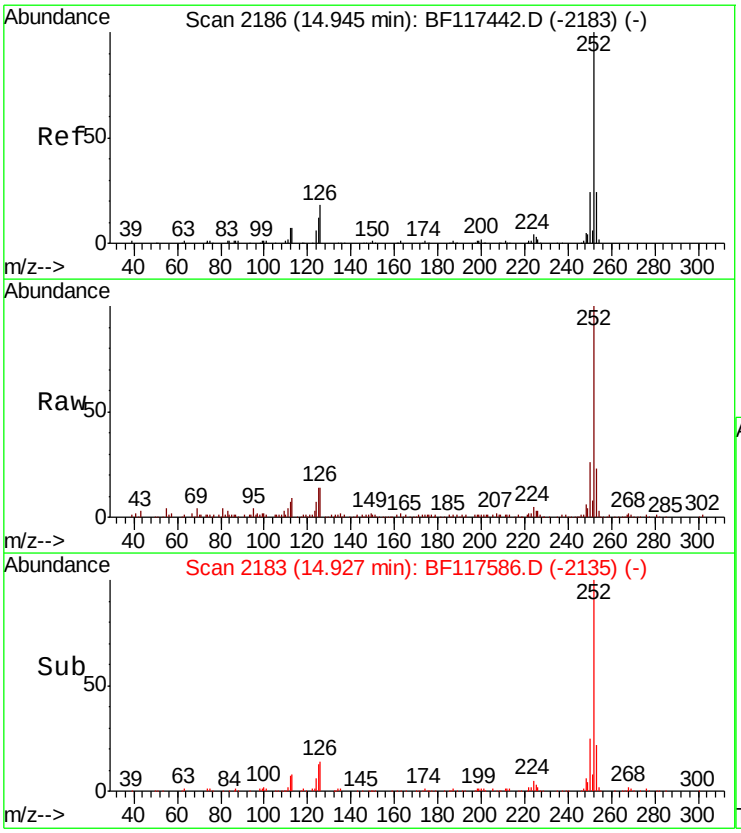
#88
Benzo(b)fluoranthene
Concen: 39.497 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 175856

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.0	9.9	14.9

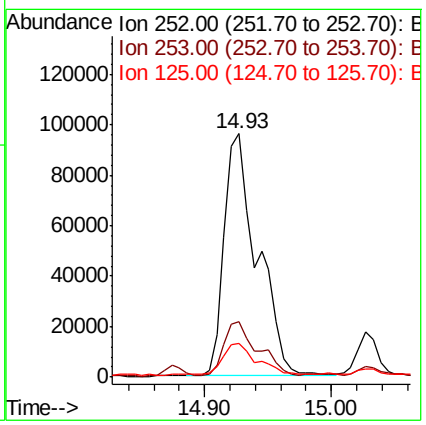


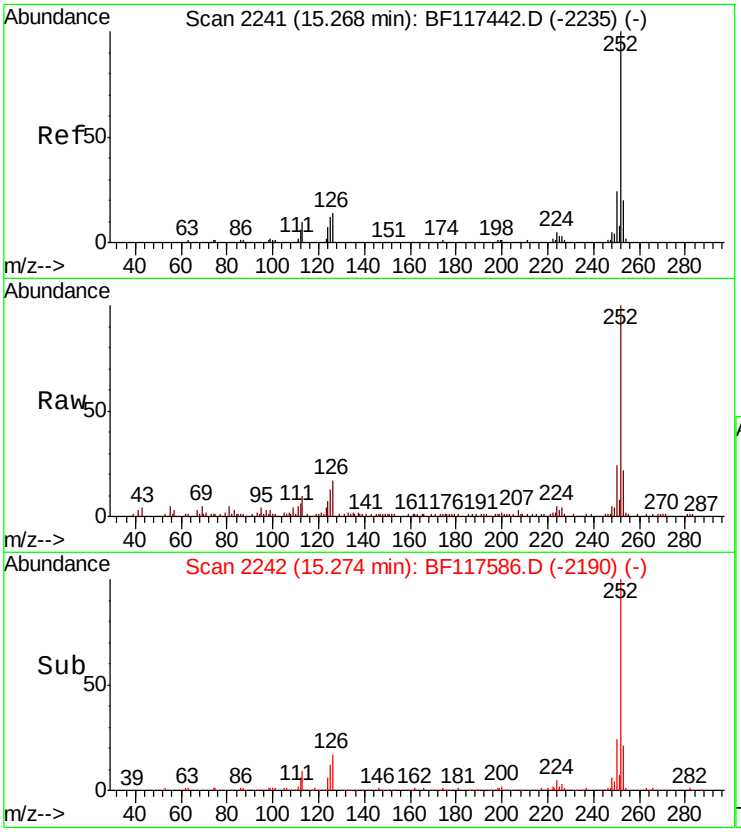


#89
Benzo(k)fluoranthene
Concen: 38.536 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:252 Resp: 175856

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	14.0	8.9	13.3#



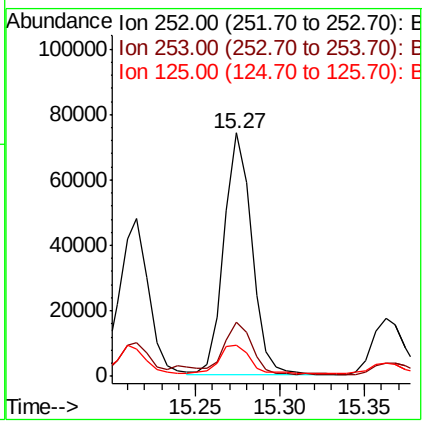


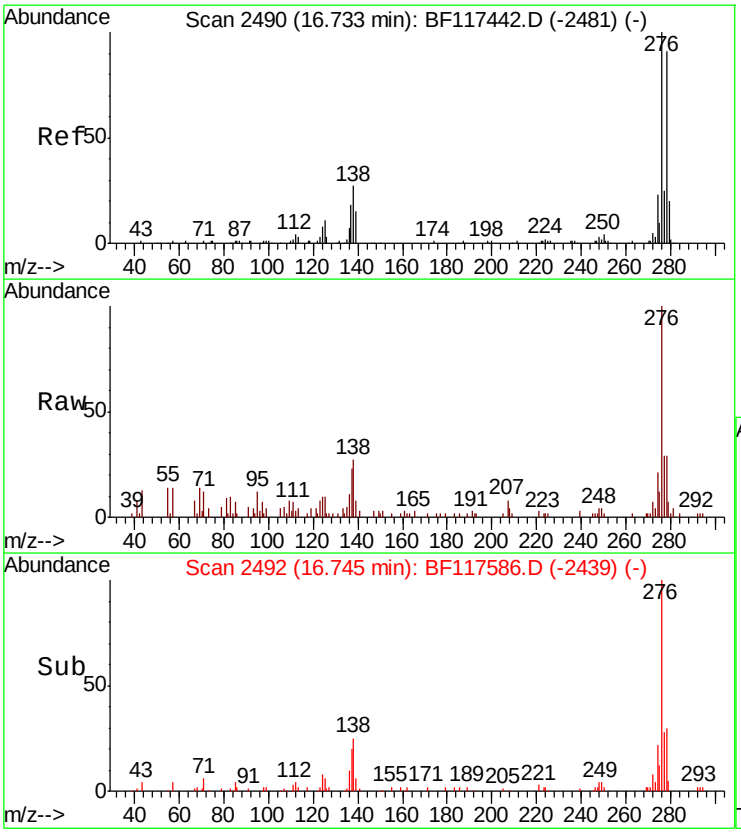
#90
Benzo(a)pyrene
Concen: 21.122 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 85502

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.3	24.5
125	13.0	9.2	13.8

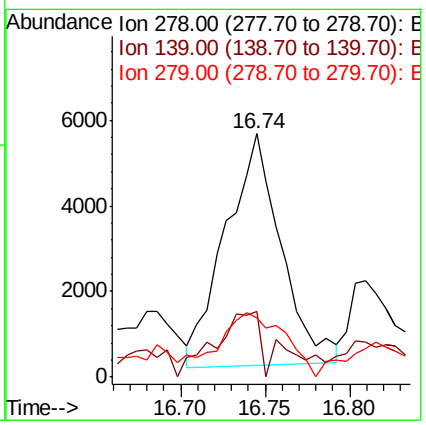


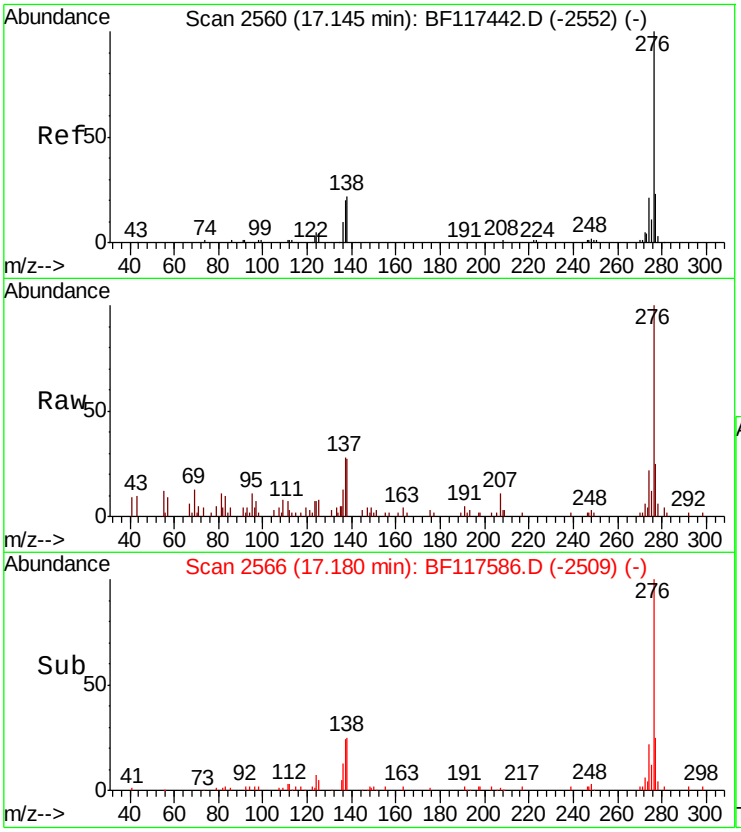


#91
Dibenzo(a,h)anthracene
Concen: 3.559 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion:278 Resp: 12457

Ion	Ratio	Lower	Upper
278	100		
139	26.8	13.4	20.0#
279	24.4	17.8	26.6





#92
Benzo(g,h,i)perylene
Concen: 11.139 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 36890

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.4	27.6
138	26.6	17.8	26.6