Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115054.D
Acq On : 14 Jun 2019 21:44
Operator : HP/JU
Sample : K3351-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

Quant Time: Jun 15 06:29:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 15:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	258564	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	968598	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	465876	20.00	ng	-0.01
64) Phenanthrene-d10	11.14	188	781146	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	426563	20.00	ng	0.00
87) Perylene-d12	15.15	264	492715	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	994678	64.24	ng	0.00
7) Phenol-d6	6.29	99	1222153	65.43	ng	-0.01
23) Nitrobenzene-d5	7.20	82	719497	44.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.46	330	263508	52.82	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1391724	50.63	ng	0.00
79) Terphenyl-d14	12.73	244	1068853	47.13	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.95	128	146024	3.186	ng	97
49) Acenaphthylene	9.53	152	144448	3.112	ng	97
50) Dimethylphthalate	9.39	163	171632	4.899	ng	99
71) Phenanthrene	11.17	178	325086	8.060	ng	96
72) Anthracene	11.22	178	336399	8.268	ng	96
73) Carbazole	11.37	167	107112	3.016	ng	98
75) Fluoranthene	12.36	202	3498063	84.820	ng	97
78) Pyrene	12.59	202	3023310	77.802	ng	98
81) Benzo(a)anthracene	13.76	228	1337750	41.908	ng	98
83) Chrysene	13.80	228	1546862	48.732	ng	97
86) Indeno(1,2,3-cd)pyrene	16.44	276	412538	14.795	ng	96
88) Benzo(b)fluoranthene	14.77	252	1847240m	56.398	ng	
89) Benzo(k)fluoranthene	14.79	252	569854m	19.821	ng	
90) Benzo(a)pyrene	15.09	252	851247	30.119	ng	99
91) Dibenzo(a,h)anthracene	16.45	278	125720	5.165	ng	97
92) Benzo(g,h,i)perylene	16.83	276	341741	13.767	ng	99

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

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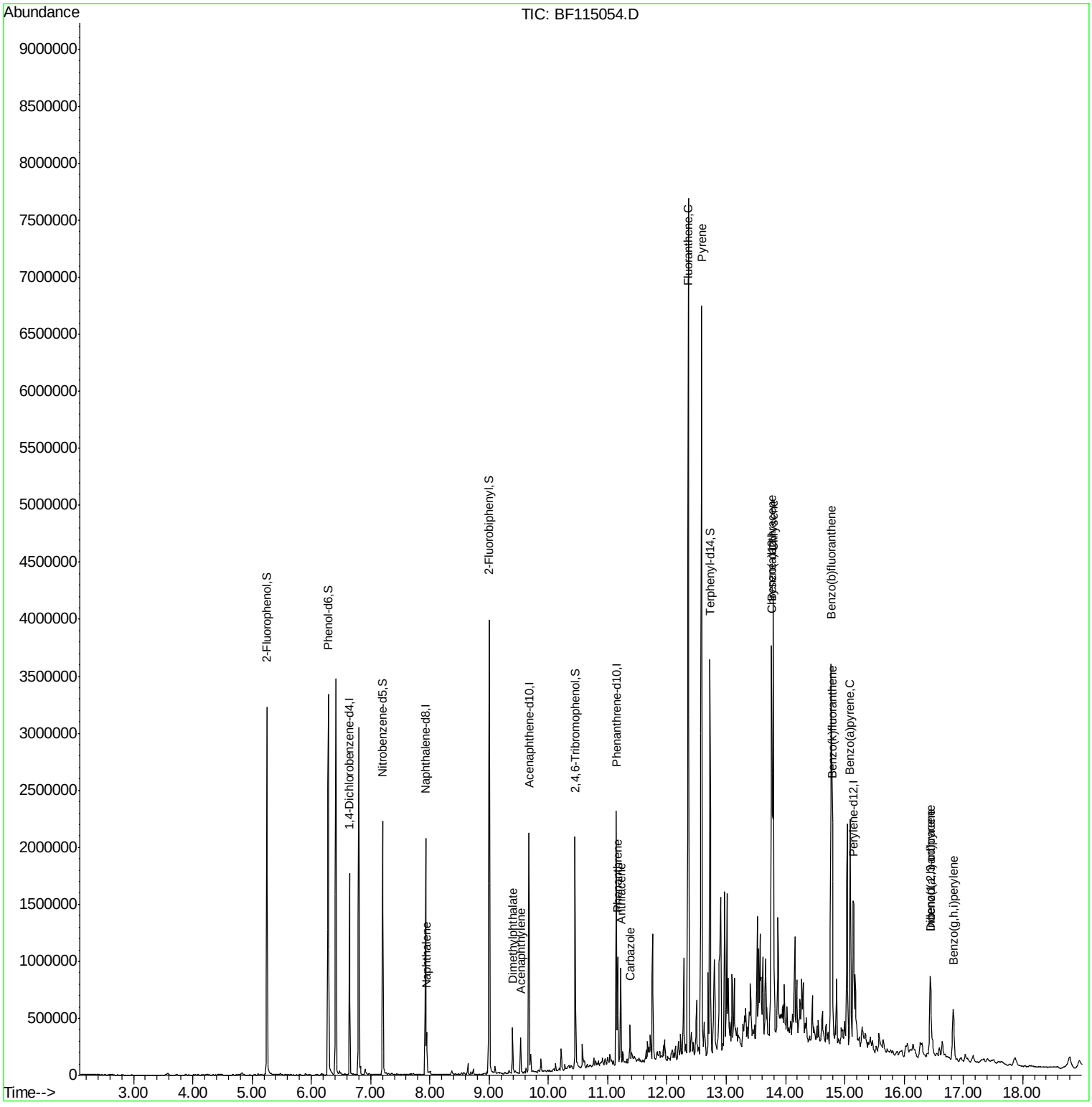
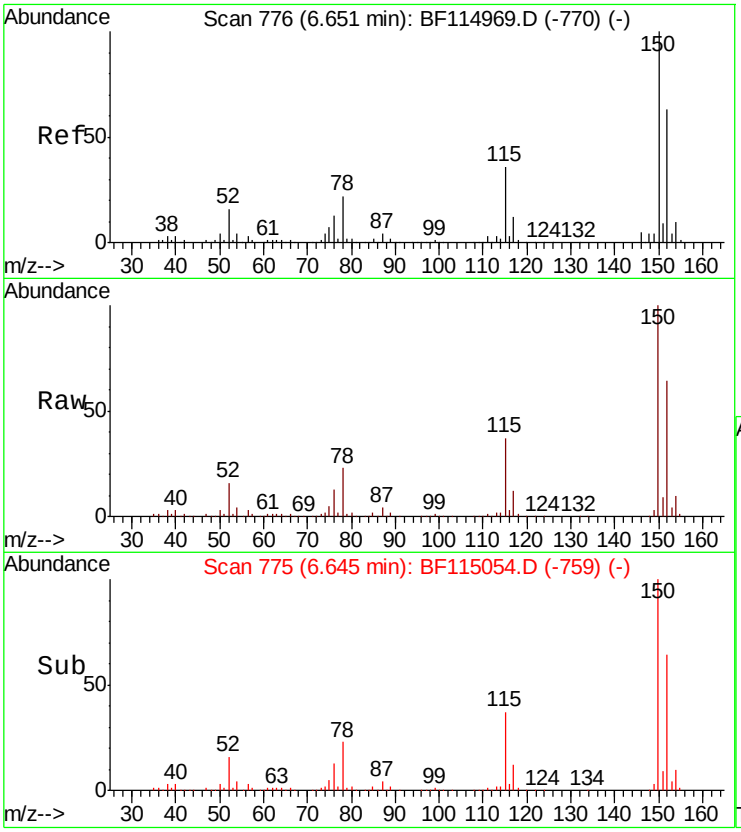
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 15:42:37 2019
Response via : Initial Calibration



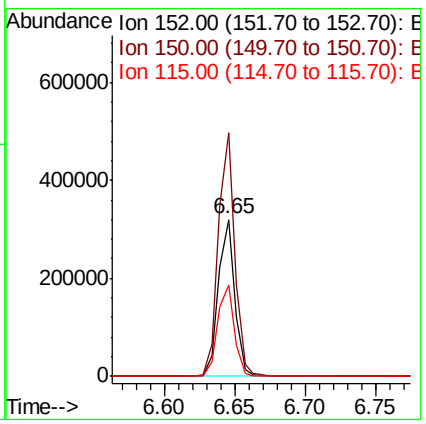


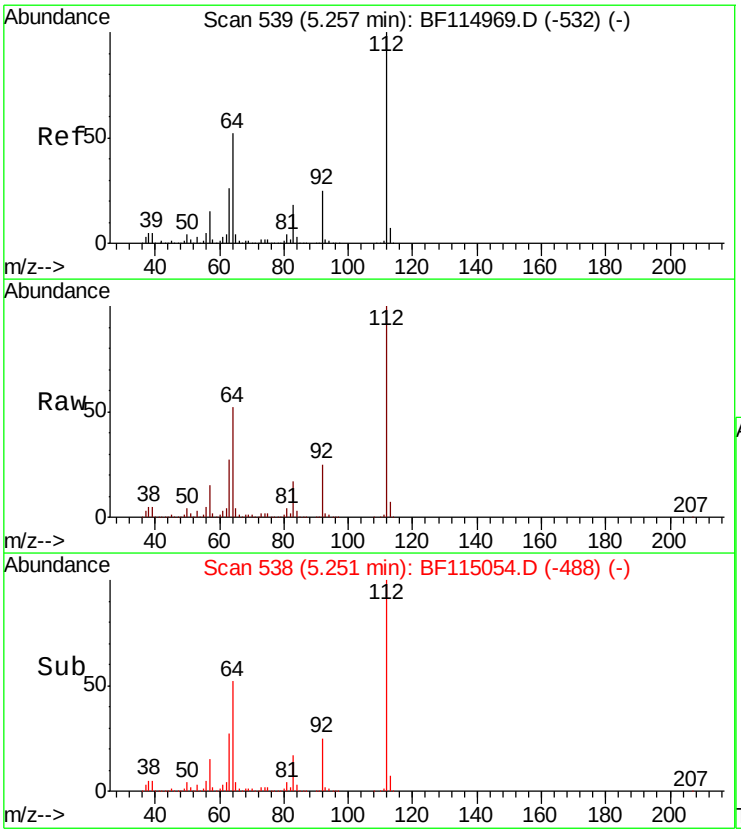
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:152 Resp: 258564

Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.4	191.0
115	58.2	46.0	69.0

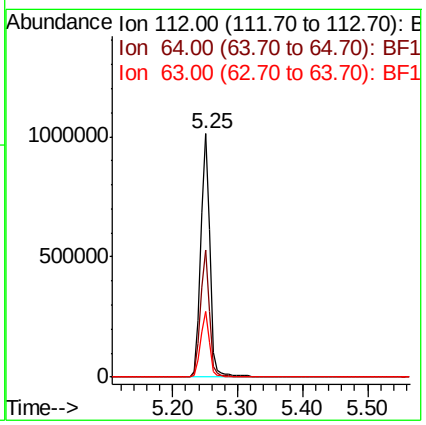


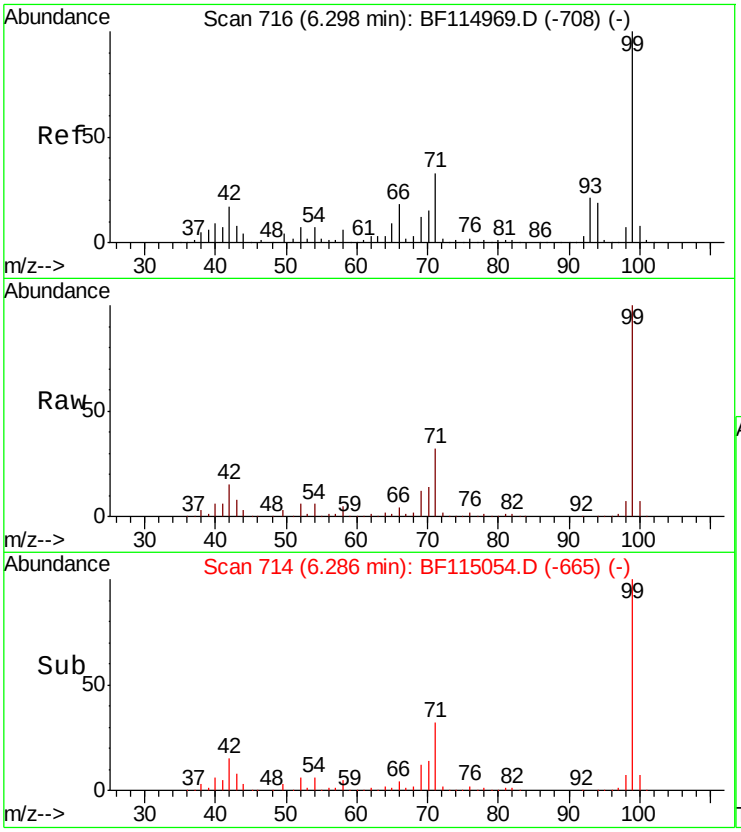


#5
2-Fluorophenol
Concen: 64.236 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:112 Resp: 994678

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.6	62.4
63	26.8	20.9	31.3



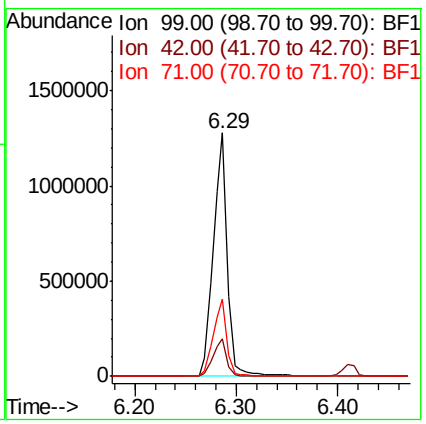


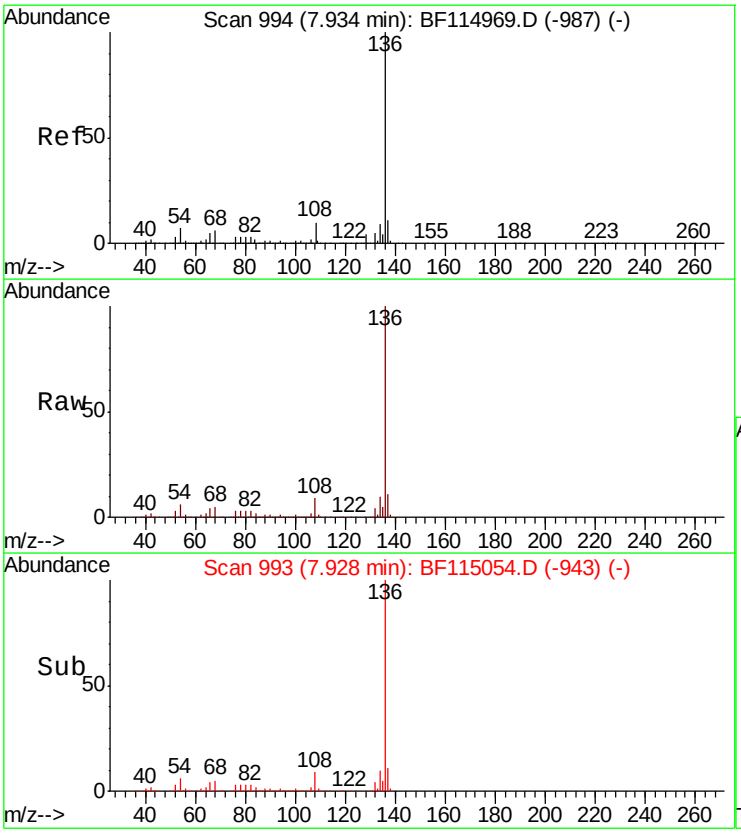
#7
Phenol-d6
Concen: 65.429 ng
RT: 6.29 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion: 99 Resp: 1222153

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.4	20.2
71	31.9	26.4	39.6

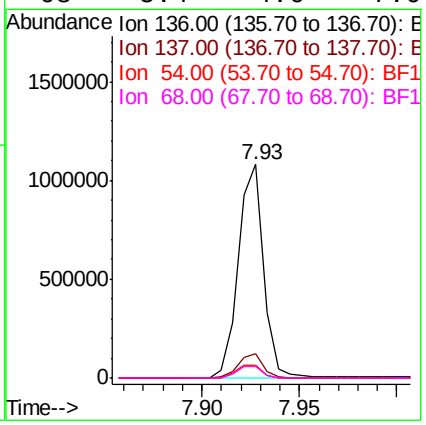


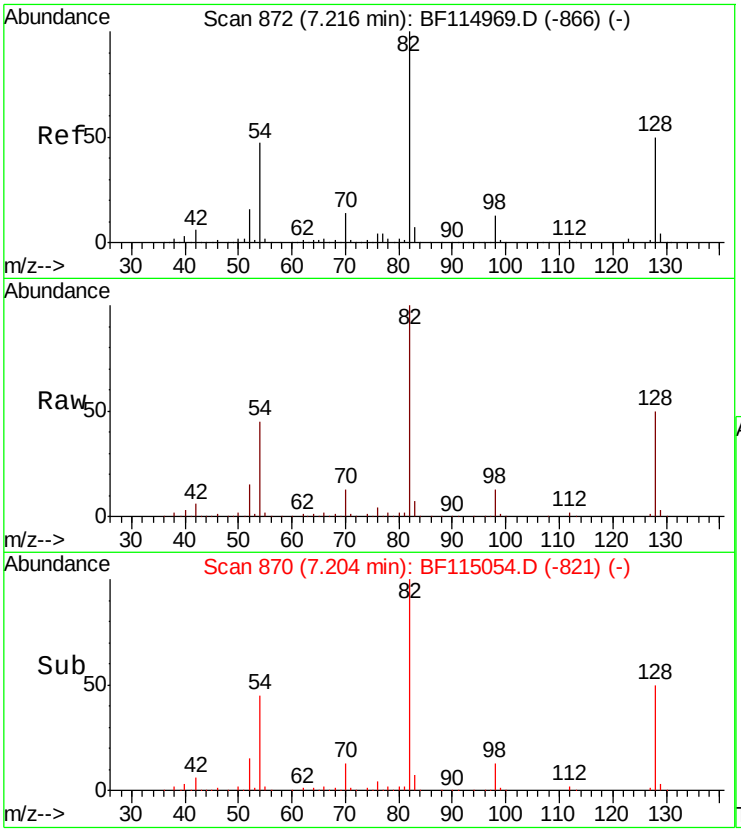


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:136 Resp: 968598

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.1	5.4	8.0
68	5.4	4.6	7.0



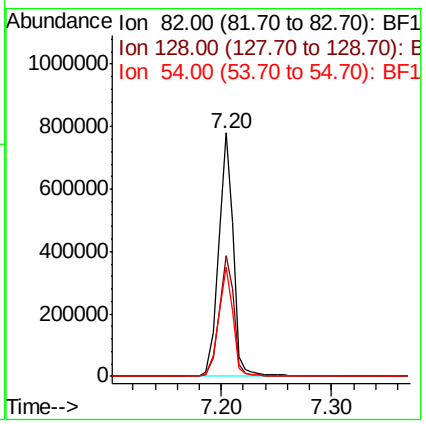


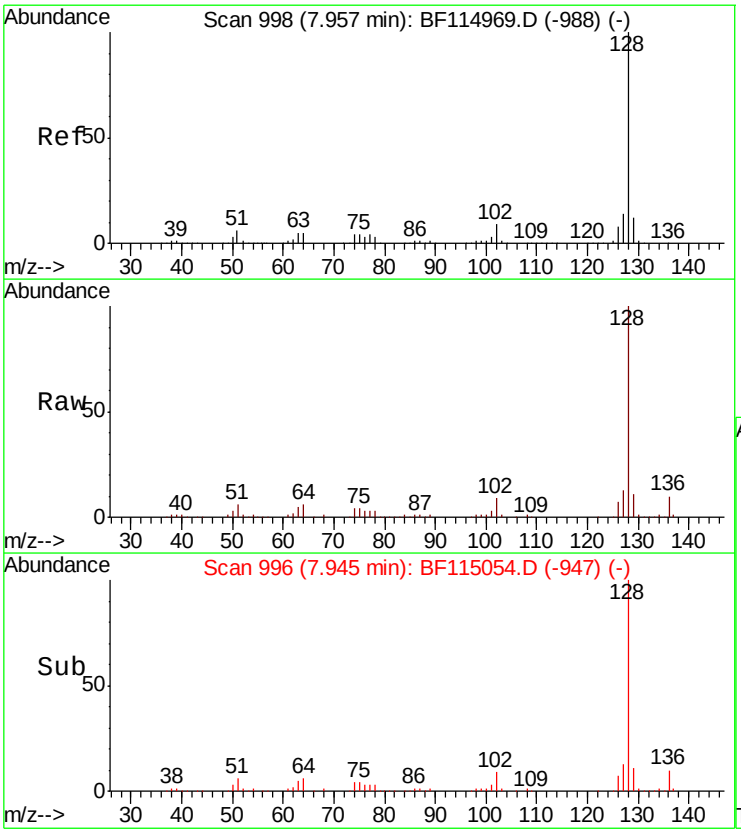
#23
Nitrobenzene-d5
Concen: 44.712 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion: 82 Resp: 719497

Ion	Ratio	Lower	Upper
82	100		
128	49.6	39.9	59.9
54	44.9	37.3	55.9

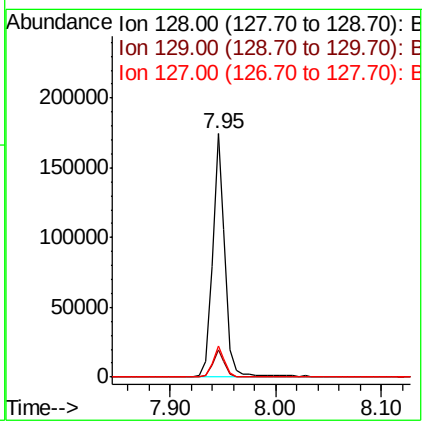


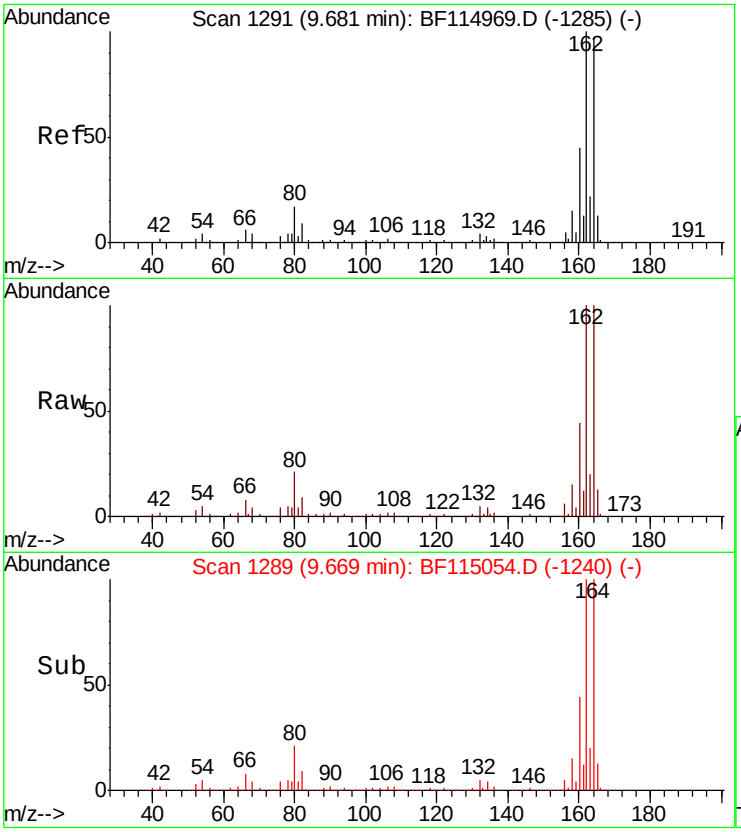


#31
Naphthalene
Concen: 3.186 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:128 Resp: 146024

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	12.7	11.5	17.3



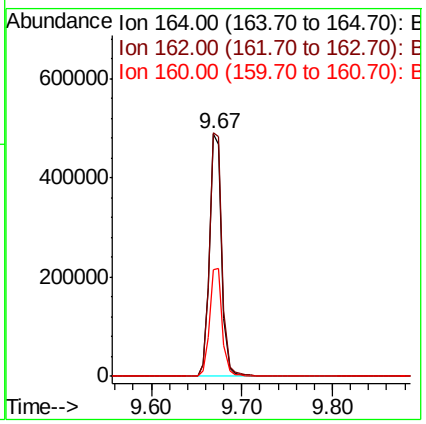


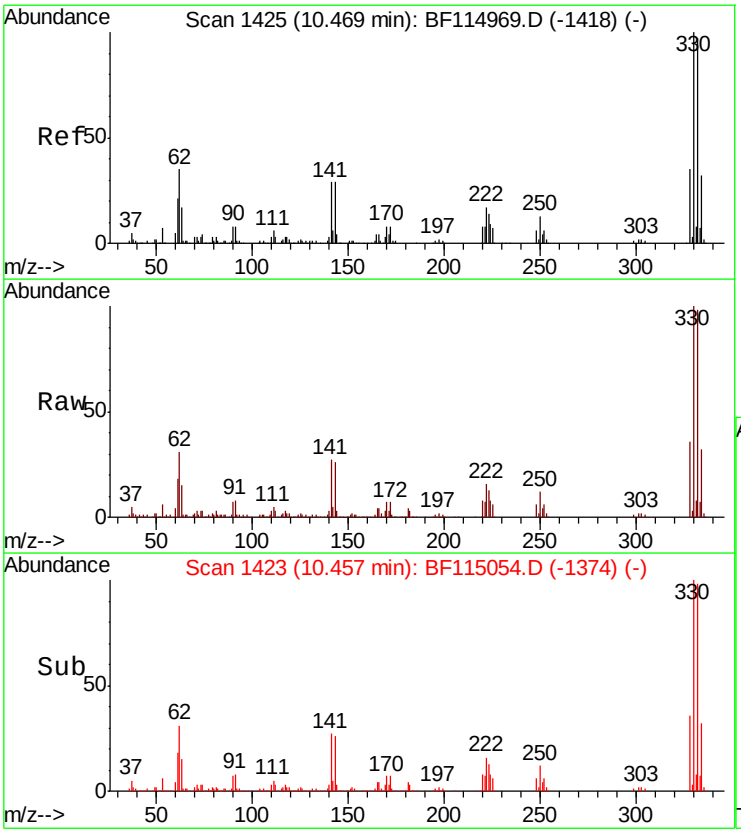
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:164 Resp: 465876

Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.6	124.0
160	43.9	36.9	55.3

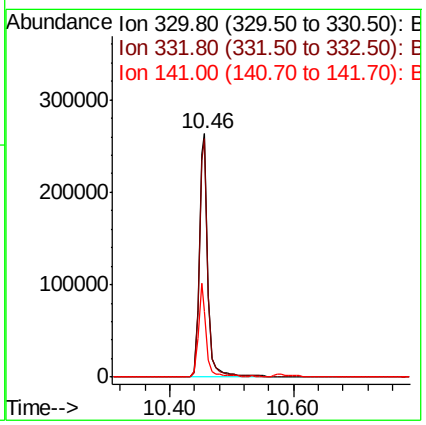


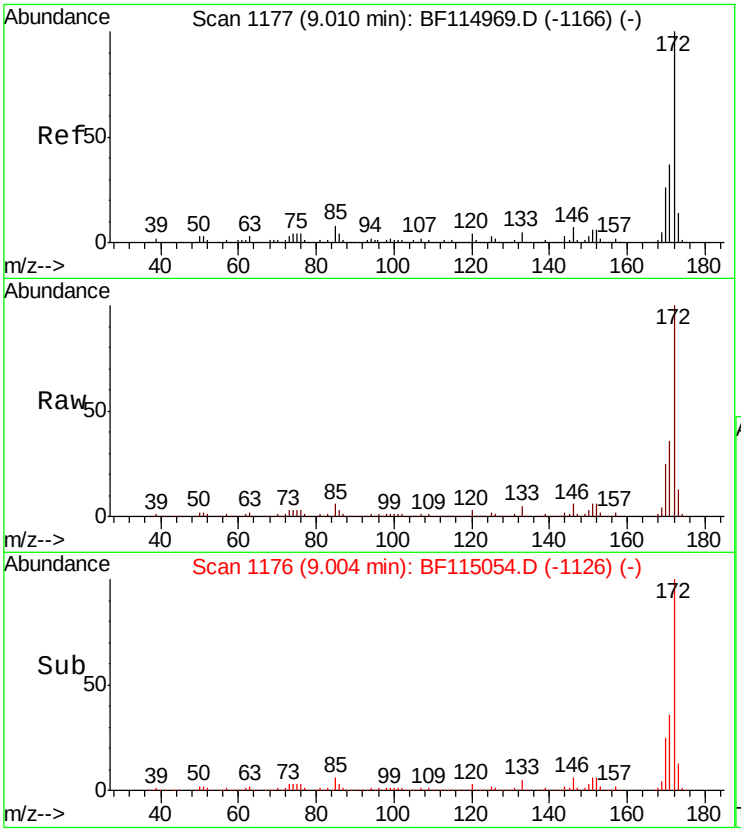


#42
2,4,6-Tribromophenol
Concen: 52.819 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:330 Resp: 263508

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.6	116.4
141	34.5	27.2	40.8



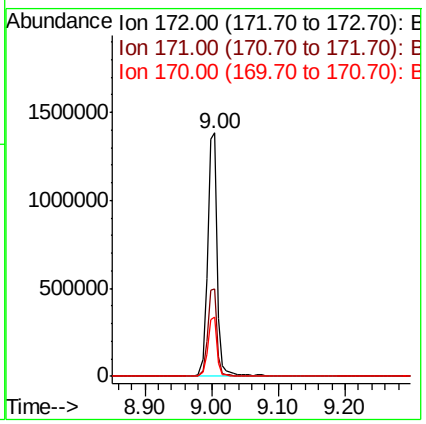


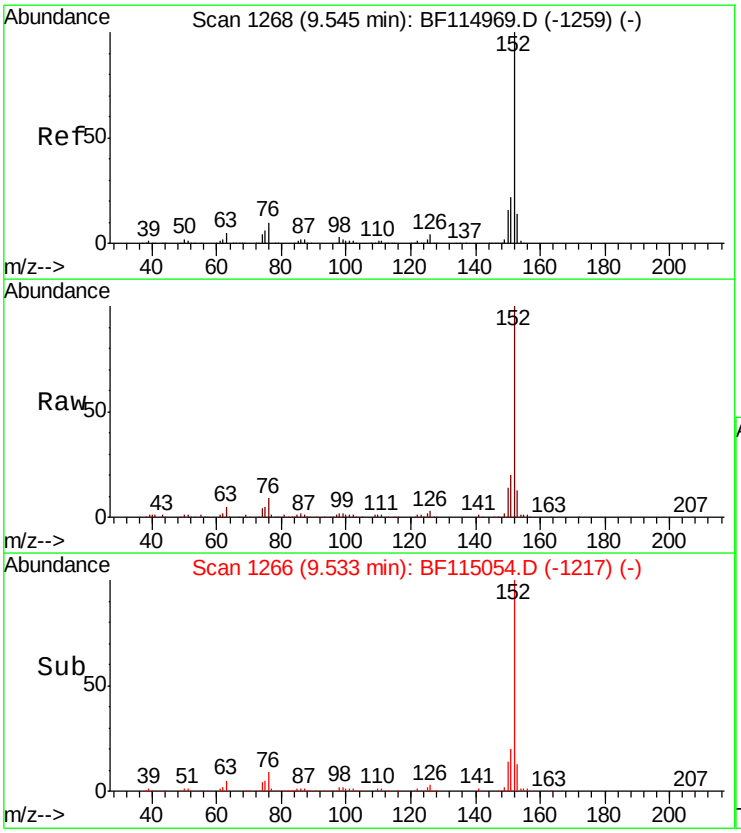
#45
2-Fluorobiphenyl
Concen: 50.630 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:172 Resp: 1391724

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	24.5	20.6	31.0

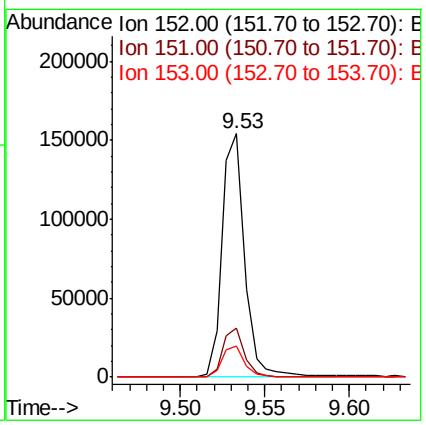


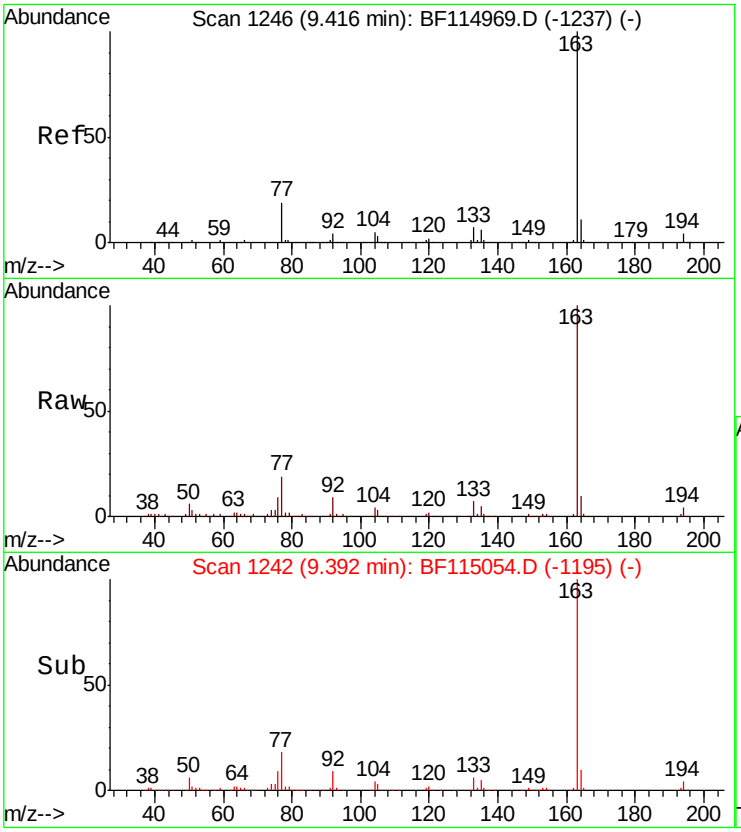


#49
Acenaphthylene
Concen: 3.112 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:152 Resp: 144448

Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.5	26.3
153	12.7	11.2	16.8



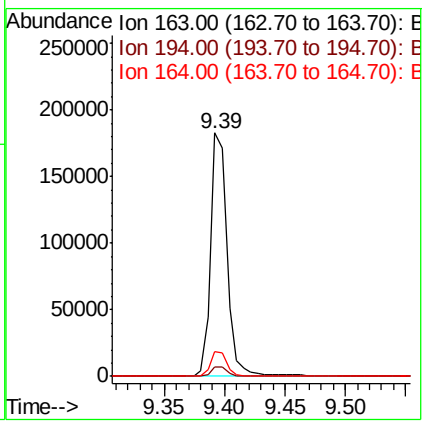


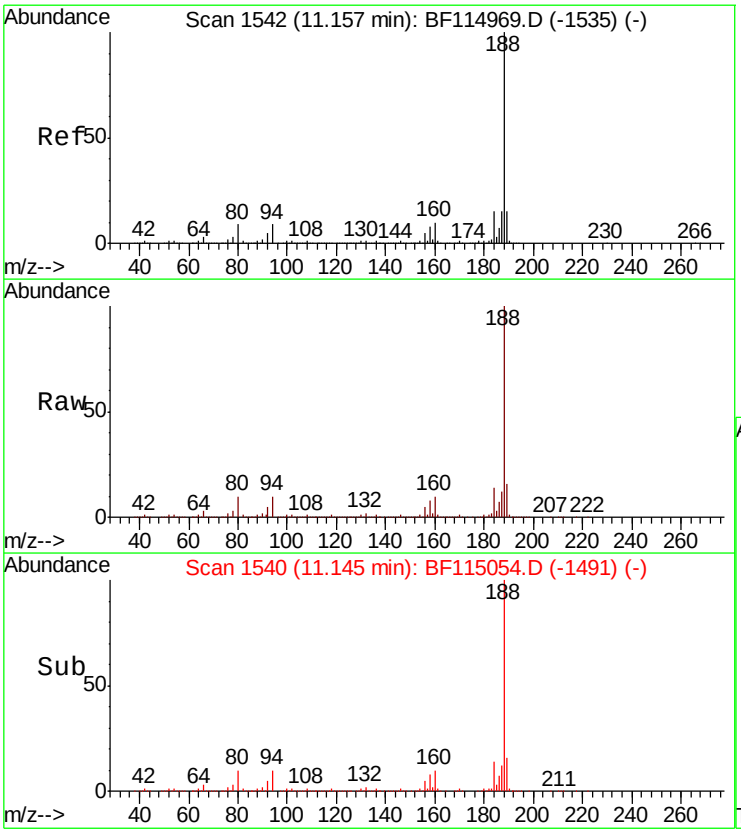
#50
Dimethylphthalate
Concen: 4.899 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:163 Resp: 171632

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.6	12.8

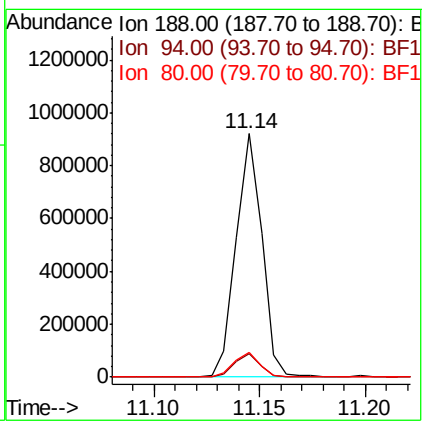


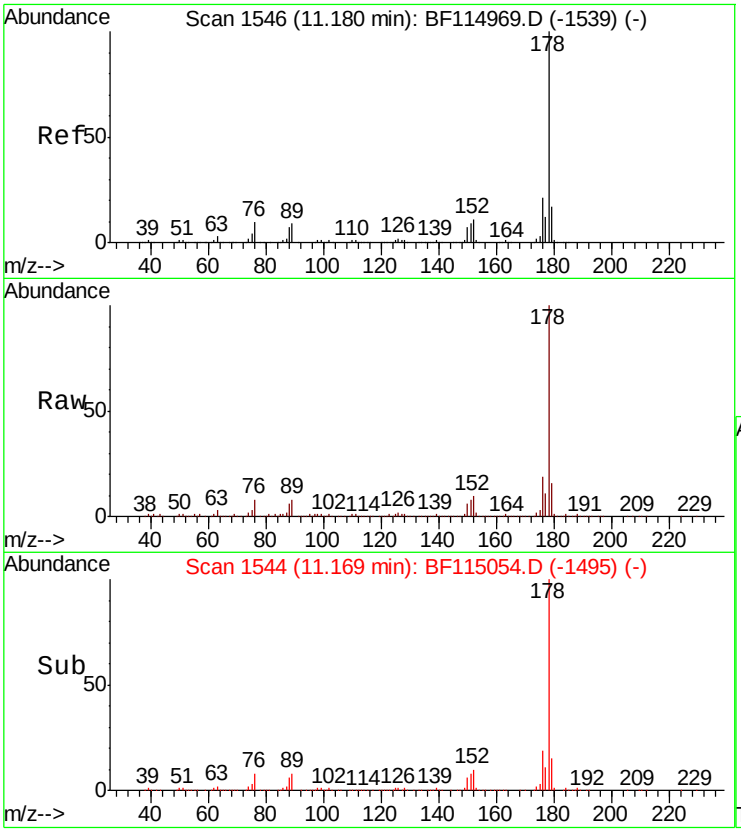


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.14 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:188 Resp: 781146

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.2	10.8
80	10.3	7.4	11.2



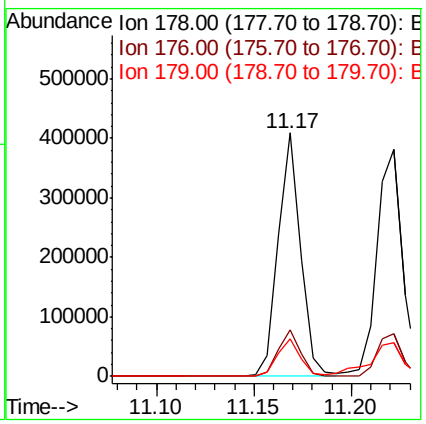


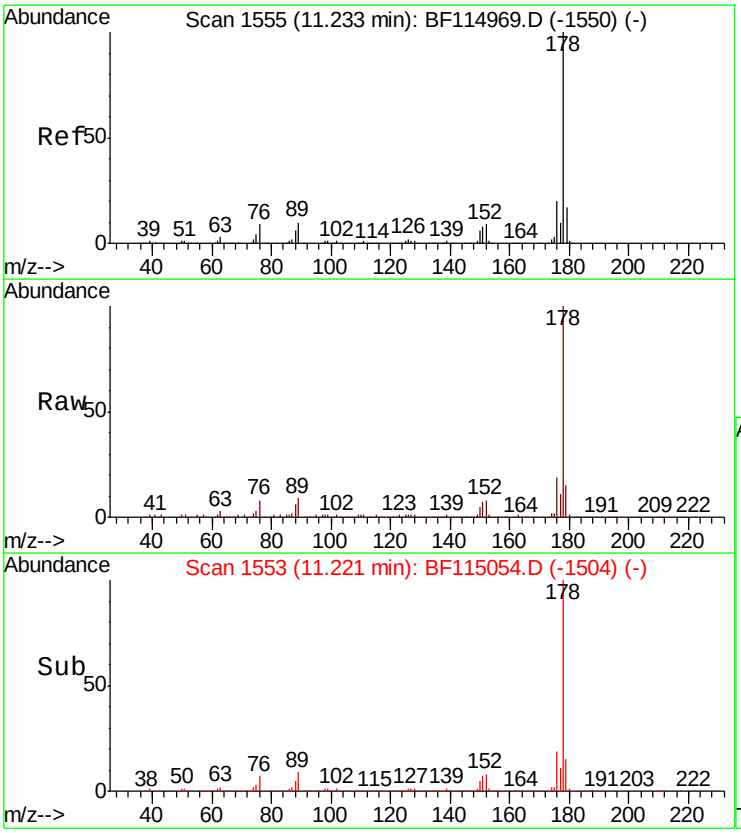
#71
Phenanthrene
Concen: 8.060 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:178 Resp: 325086

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.9	25.3
179	15.5	13.4	20.0

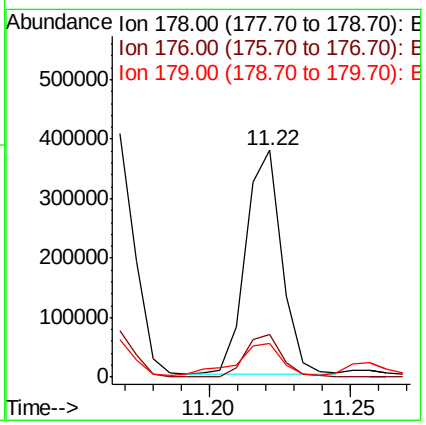


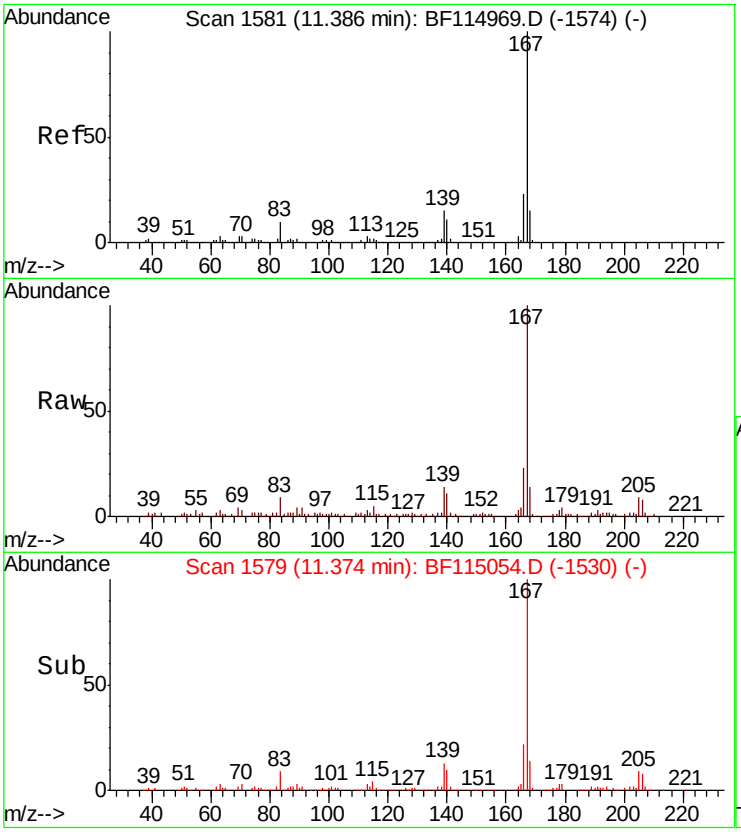


#72
Anthracene
Concen: 8.268 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:178 Resp: 336399

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.1	13.2	19.8



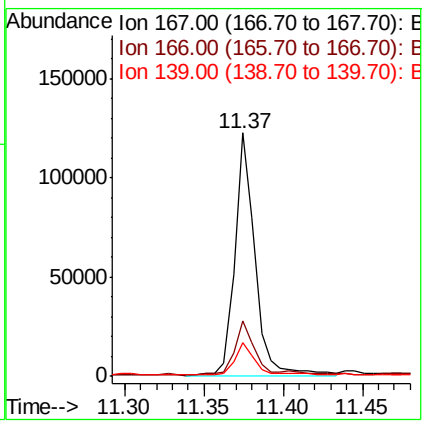


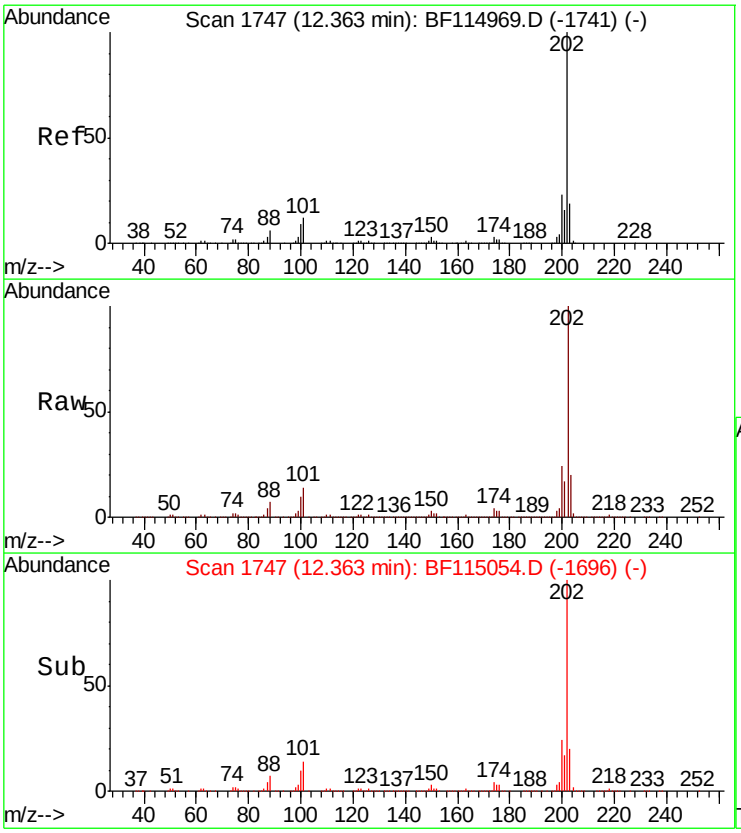
#73
Carbazole
Concen: 3.016 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:167 Resp: 107112

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.5	27.7
139	13.7	12.0	18.0

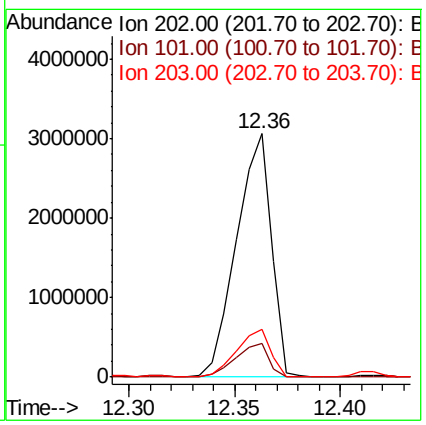


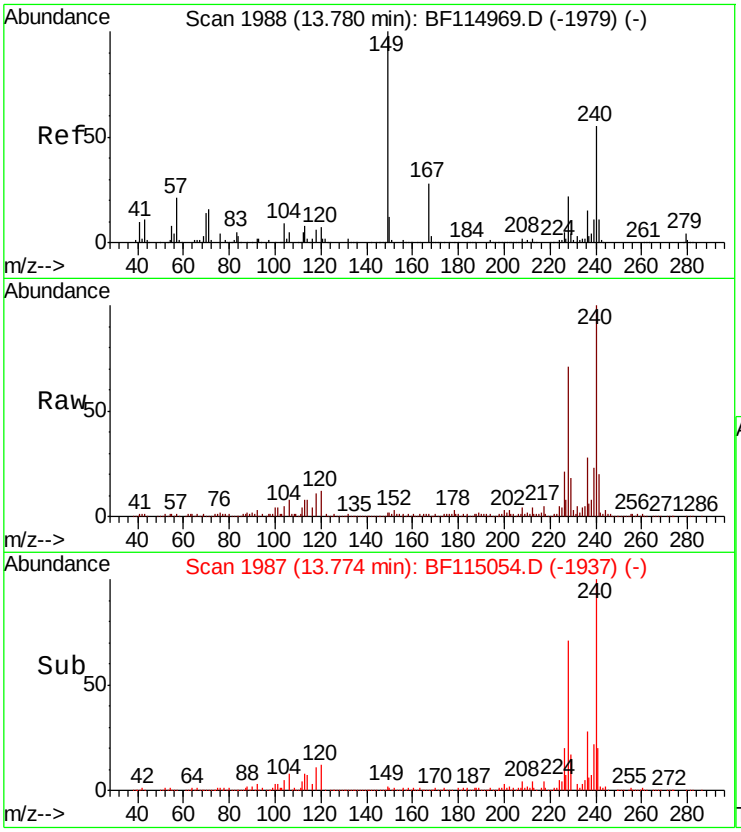


#75
Fluoranthene
Concen: 84.820 ng
RT: 12.36 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:202 Resp: 3498063

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	32.4
203	19.6	0.0	38.6



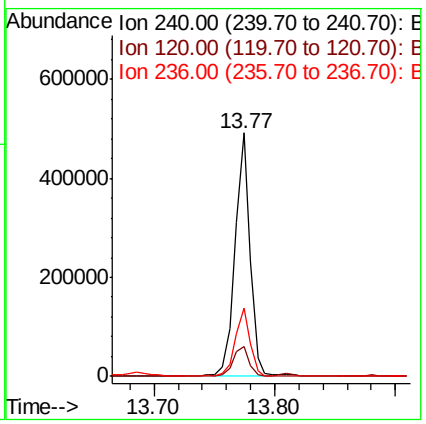


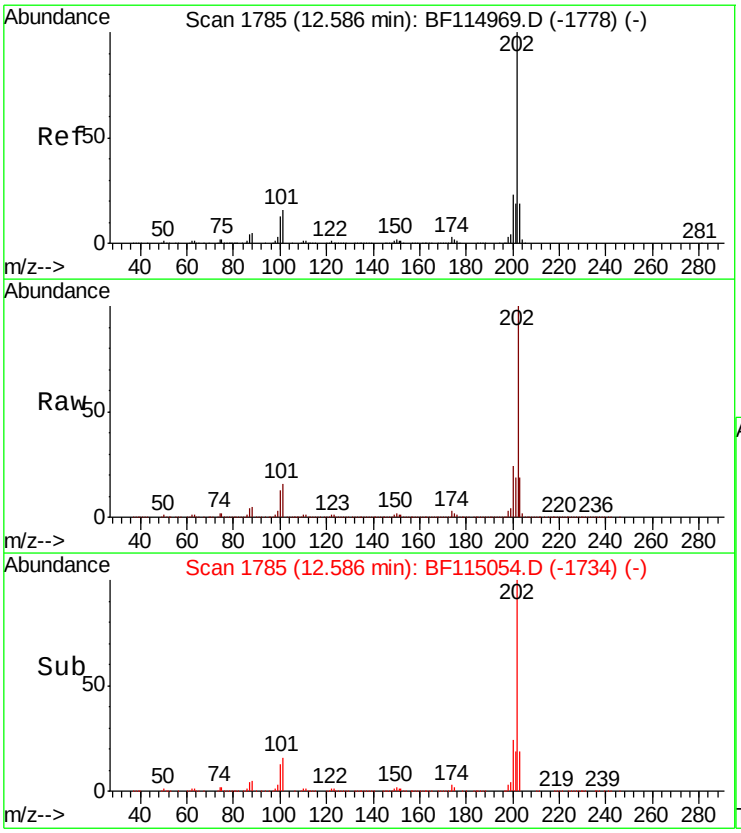
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:240 Resp: 426563

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	27.8	21.6	32.4

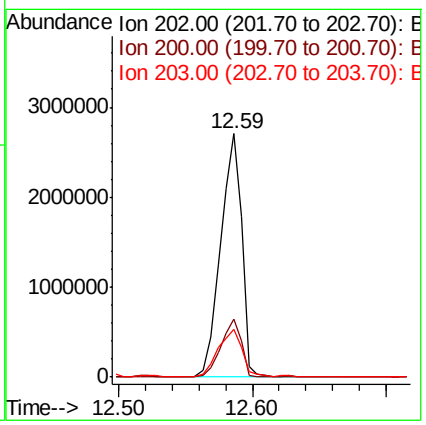


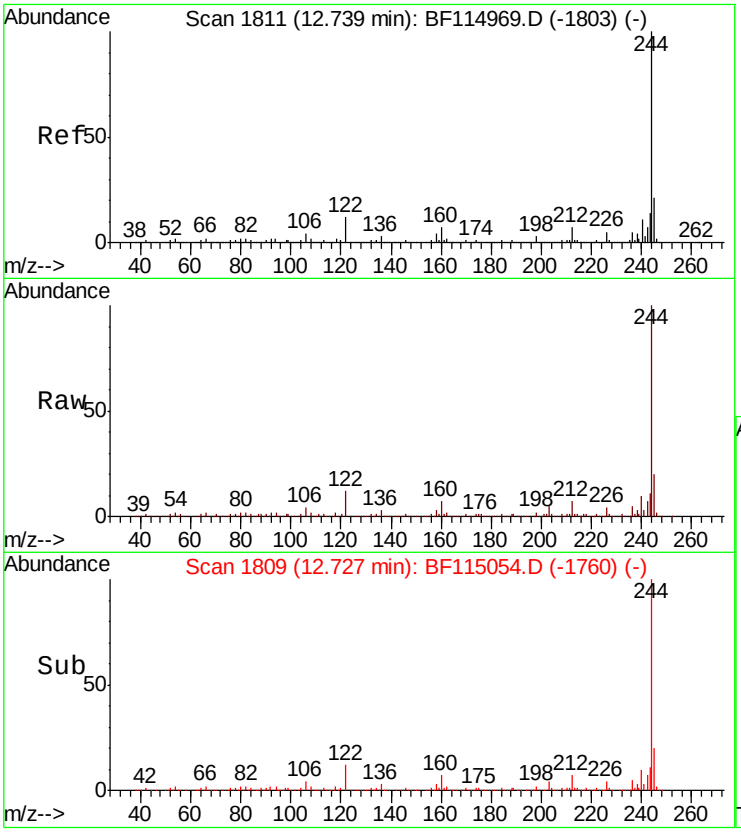


#78
Pyrene
Concen: 77.802 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:202 Resp: 3023310

Ion	Ratio	Lower	Upper
202	100		
200	23.7	18.4	27.6
203	19.5	14.9	22.3



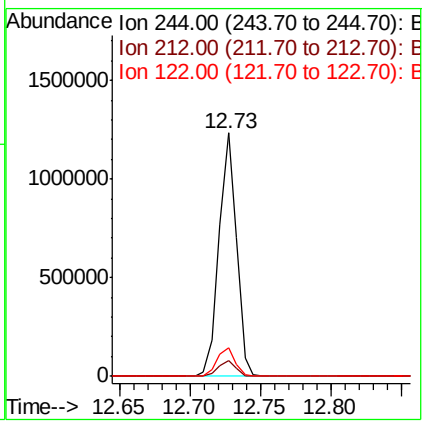


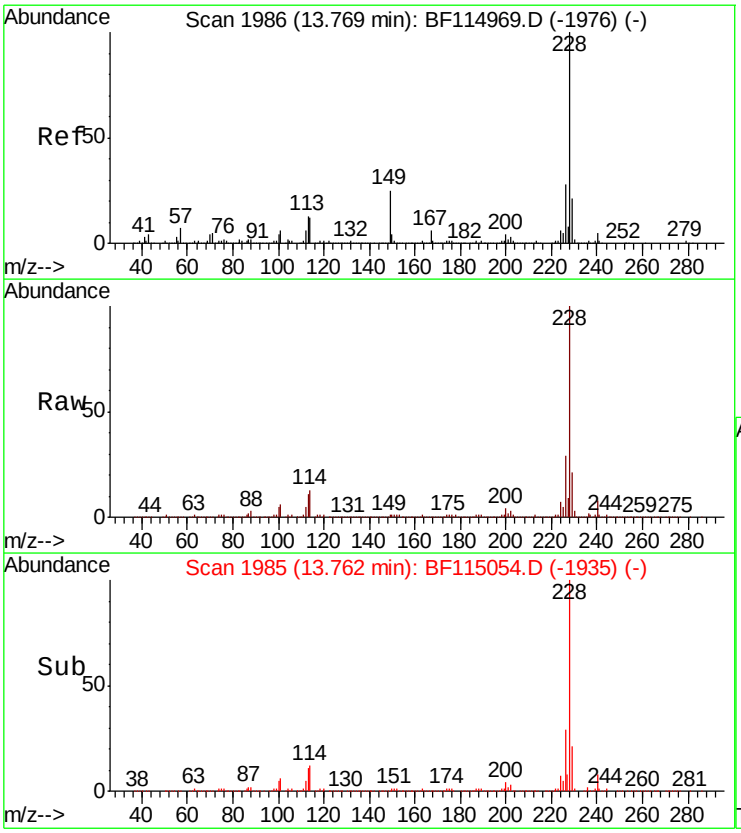
#79
Terphenyl-d14
Concen: 47.130 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:244 Resp: 1068853

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.8	9.4	14.0

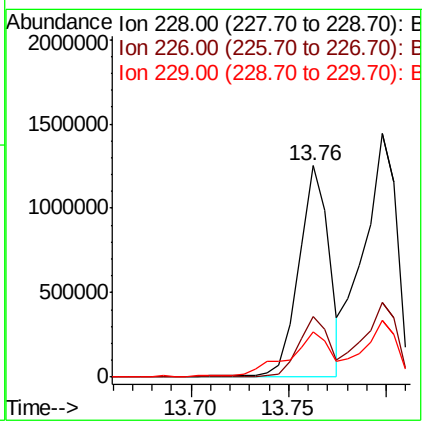


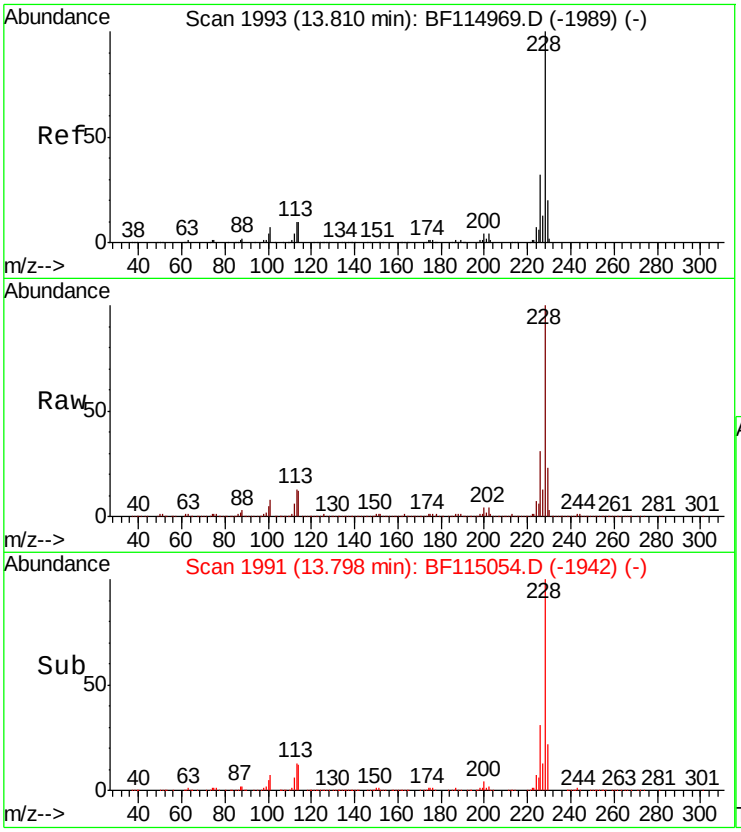


#81
Benzo(a)anthracene
Concen: 41.908 ng
RT: 13.76 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:228 Resp: 1337750

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.0	33.0
229	21.2	16.6	25.0



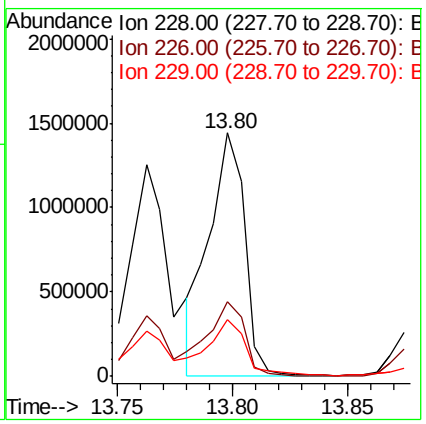


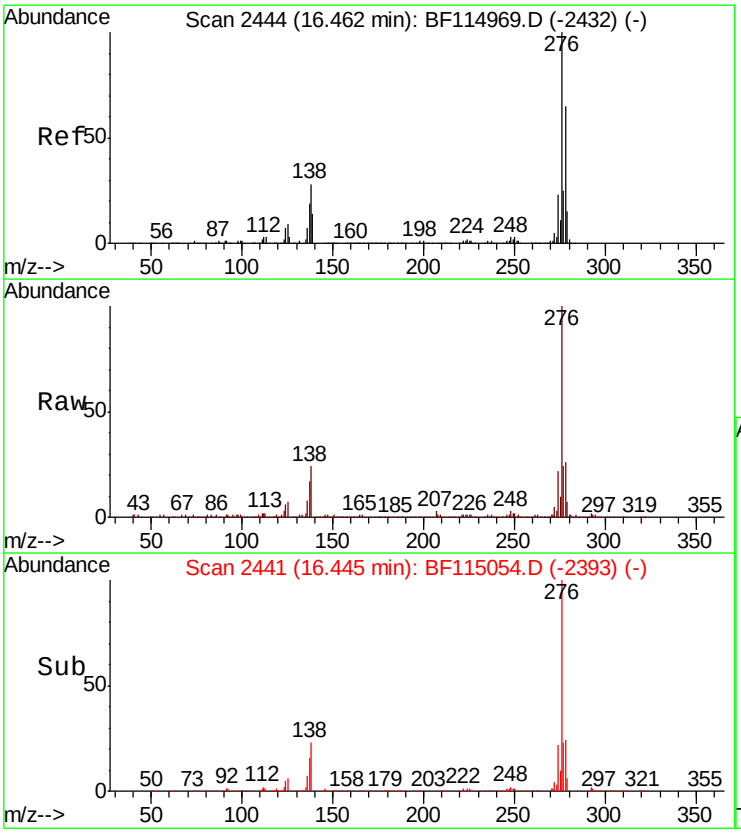
#83
Chrysene
Concen: 48.732 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:228 Resp: 1546862

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	23.3	16.4	24.6

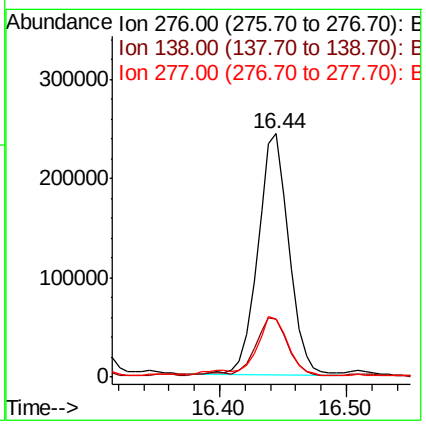


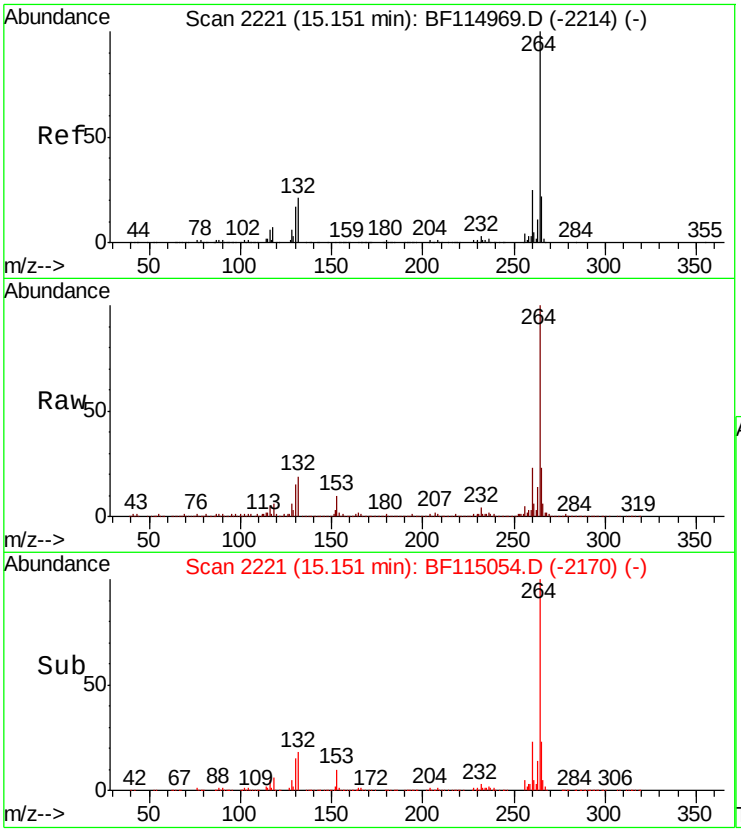


#86
Indeno(1,2,3-cd)pyrene
Concen: 14.795 ng
RT: 16.44 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:276 Resp: 412538

Ion	Ratio	Lower	Upper
276	100		
138	25.1	23.0	34.4
277	24.8	20.6	30.8



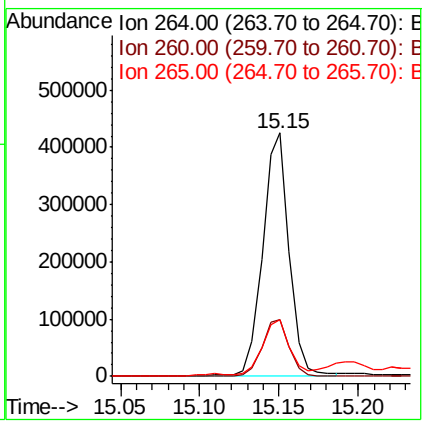


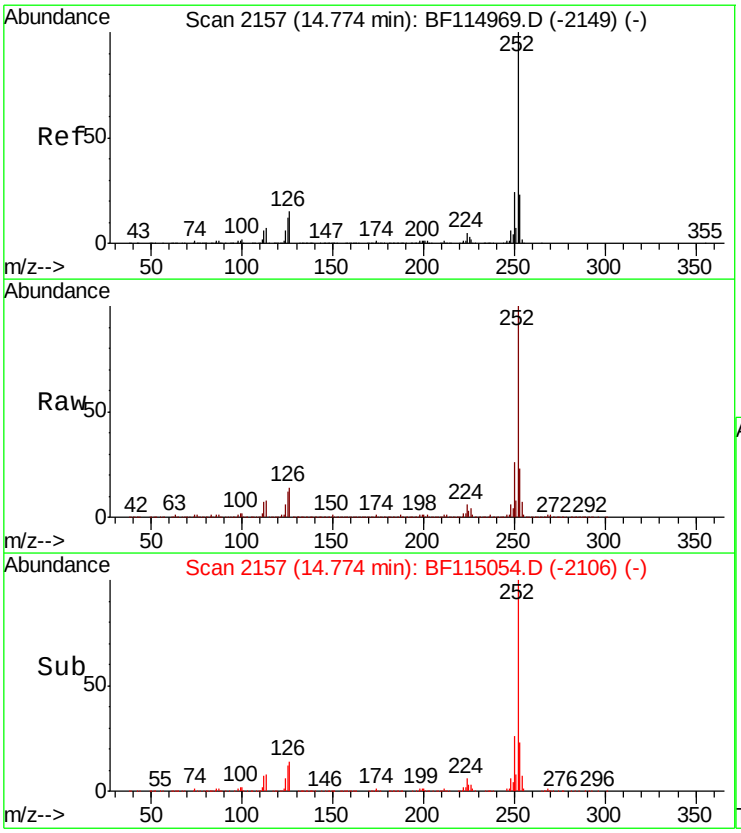
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:264 Resp: 492715

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.9	29.9
265	23.1	17.6	26.4

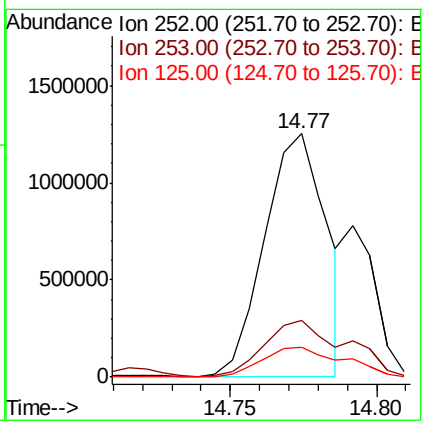


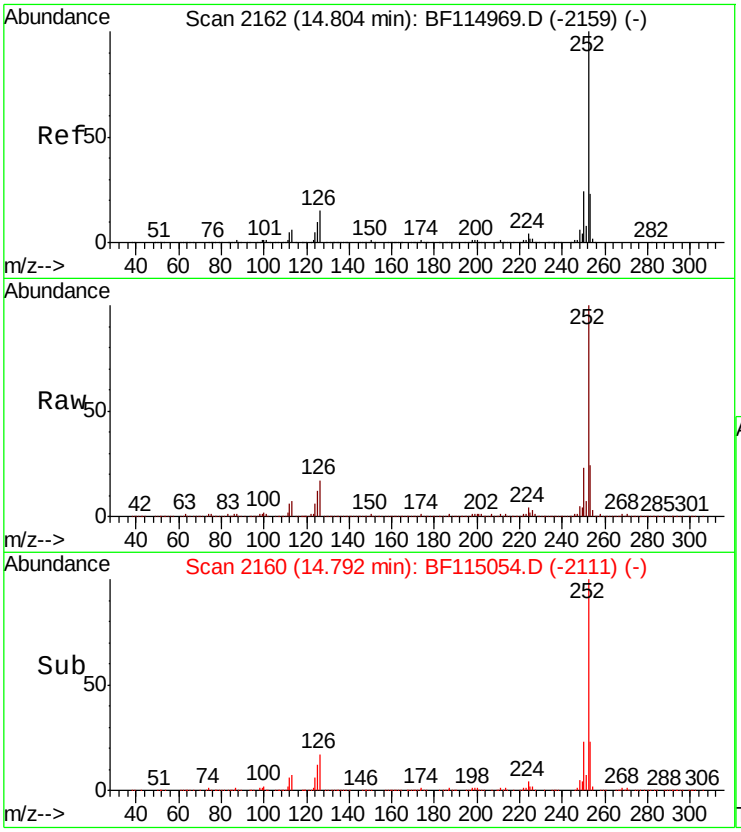


#88
Benzo(b)fluoranthene
Concen: 56.398 ng m
RT: 14.77 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:252 Resp: 1847240

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.5	9.4	14.0



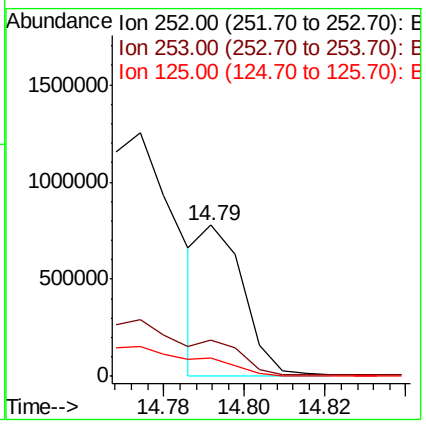


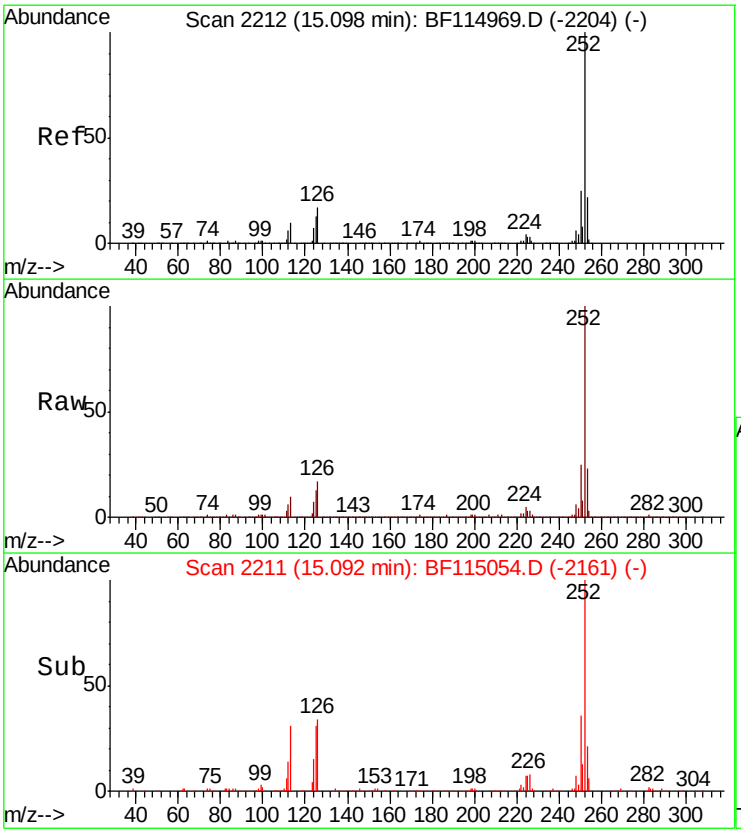
#89
Benzo(k)fluoranthene
Concen: 19.821 ng m
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:252 Resp: 569854

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.3	8.2	12.4

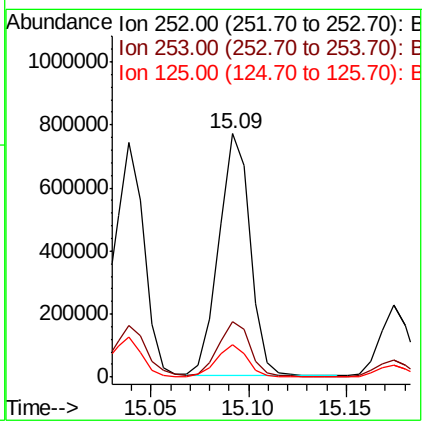


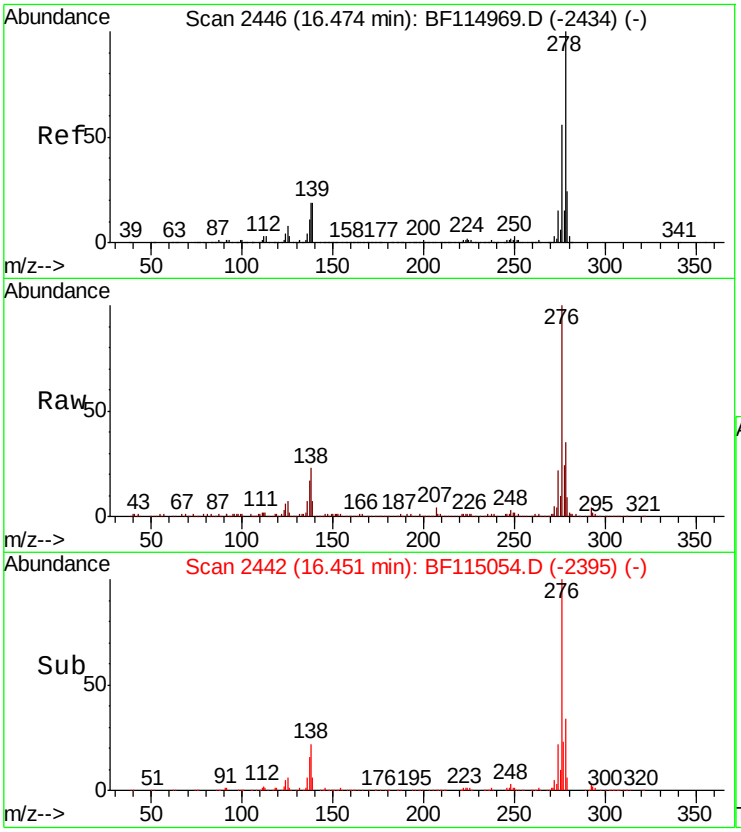


#90
Benzo(a)pyrene
Concen: 30.119 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:252 Resp: 851247

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	13.2	10.7	16.1



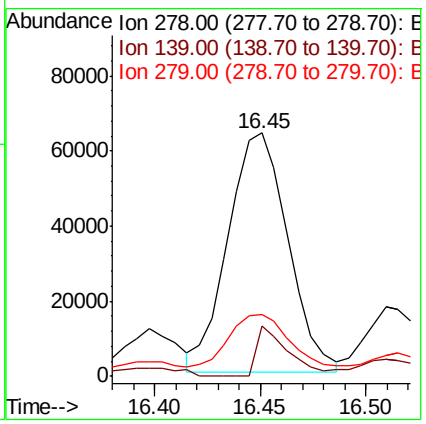


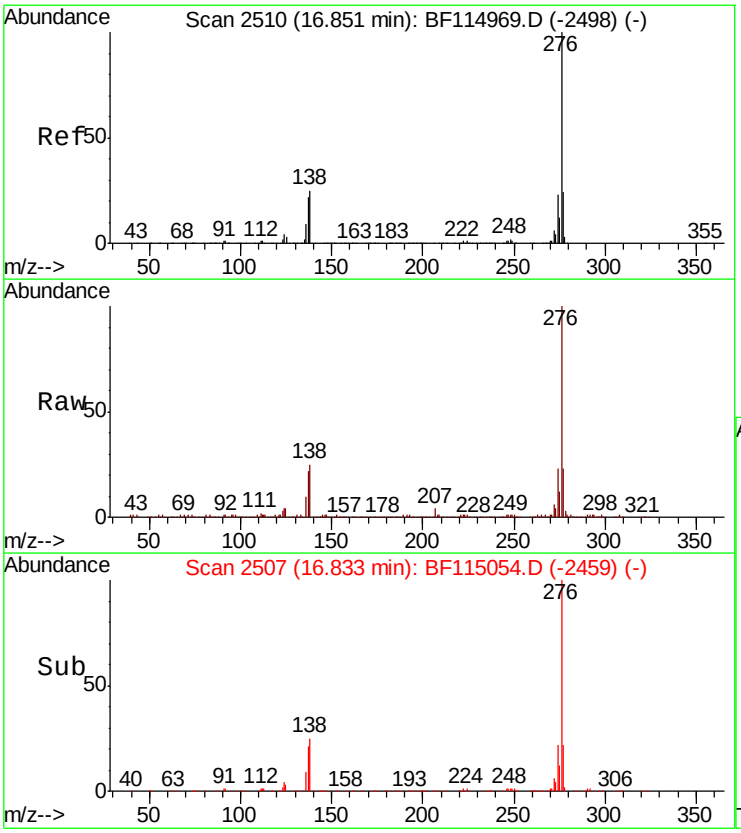
#91
Dibenzo(a,h)anthracene
Concen: 5.165 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.02 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:278 Resp: 125720

Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.3	22.9
279	25.4	19.2	28.8





#92
Benzo(g,h,i)perylene
Concen: 13.767 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.02 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:276 Resp: 341741

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	24.8	20.2	30.4