Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114683.D
Acq On : 31 May 2019 1:39
Operator : HP/JU
Sample : K3002-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 31 05:48:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	362626	20.00	ng		0.00
21) Naphthalene-d8	7.97	136	1320982	20.00	ng		0.00
39) Acenaphthene-d10	9.72	164	580302	20.00	ng		0.00
64) Phenanthrene-d10	11.20	188	1061555	20.00	ng		0.00
76) Chrysene-d12	13.82	240	726578	20.00	ng		0.00
87) Perylene-d12	15.21	264	605087	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	519288	25.14	ng		0.00
7) Phenol-d6	6.32	99	647938	26.03	ng		0.00
23) Nitrobenzene-d5	7.25	82	353222	16.68	ng		0.00
42) 2,4,6-Tribromophenol	10.50	330	129866	23.49	ng		0.00
45) 2-Fluorobiphenyl	9.05	172	737595	9.70	ng		0.00
79) Terphenyl-d14	12.77	244	736550	19.06	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.23	77	2183	Below Cal		#	3
25) Isophorone	7.25	82	346440	8.153	ng	#	63
31) Naphthalene	8.00	128	165441	2.719	ng		96
50) Dimethylphthalate	9.45	163	97355	2.408	ng		99
52) Acenaphthene	9.76	154	70193	2.097	ng		100
55) Dibenzofuran	9.93	168	100064	2.100	ng		93
57) 2,4-Dinitrotoluene	9.72	165	78898	6.543	ng	#	23
58) Fluorene	10.26	166	67805	Below Cal			98
61) 4-Chlorophenyl-phenylether	10.29	204	106	Below Cal		#	1
69) Atrazine	10.99	200	117	Below Cal		#	1
71) Phenanthrene	11.22	178	560634	10.353	ng		96
72) Anthracene	11.27	178	182620	3.332	ng		97
74) Di-n-butylphthalate	11.77	149	3880	Below Cal		#	33
75) Fluoranthene	12.40	202	993250	17.714	ng		96
78) Pyrene	12.63	202	913024	14.855	ng		97
81) Benzo(a)anthracene	13.81	228	333832	5.979	ng		99
83) Chrysene	13.84	228	291595	5.466	ng		95
86) Indeno(1,2,3-cd)pyrene	16.53	276	116889	2.188	ng		95
88) Benzo(b)fluoranthene	14.82	252	402944	10.573	ng	#	94
89) Benzo(k)fluoranthene	14.82	252	402944	12.164	ng	#	94
90) Benzo(a)pyrene	15.15	252	209501	6.258	ng	#	92
92) Benzo(g,h,i)perylene	16.93	276	113143	3.940	ng		98

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

Quantitation Report (Not Reviewed)

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Acq On : 31 May 2019 1:39
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Misc :
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Instrument : BNA_F
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Quant Time: May 31 05:48:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
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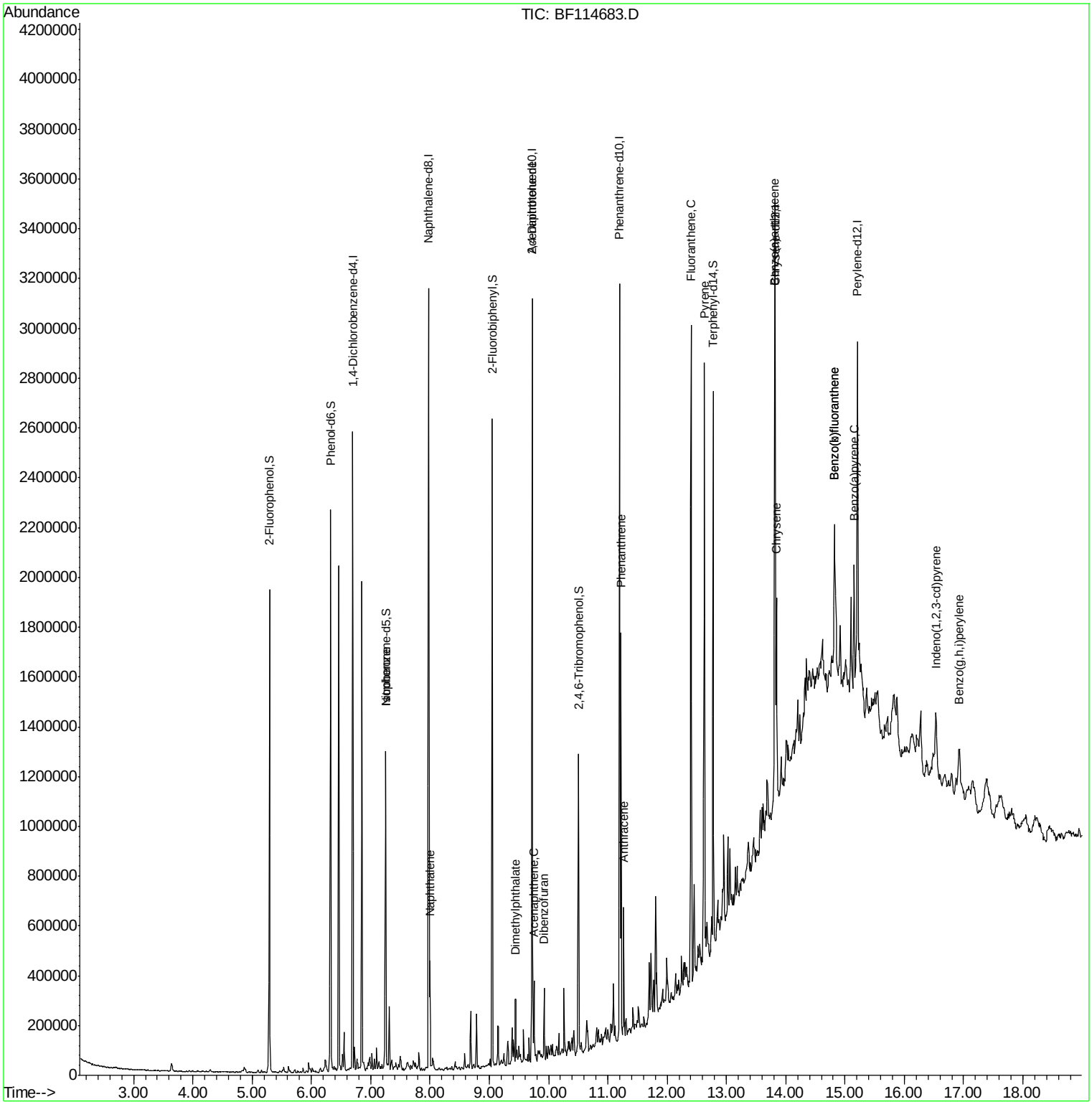
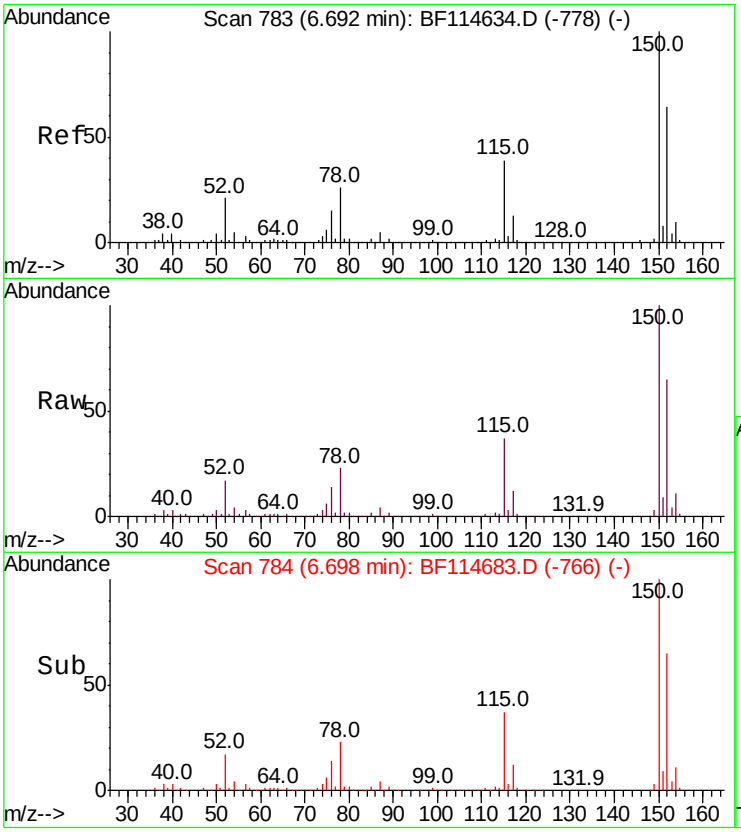


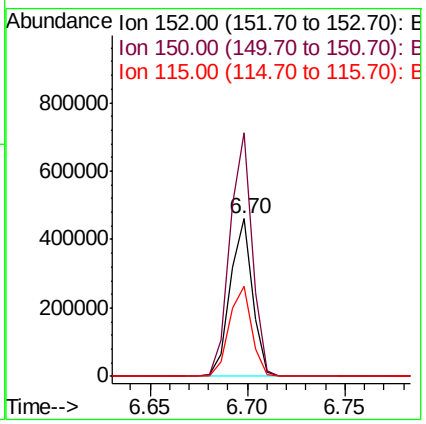


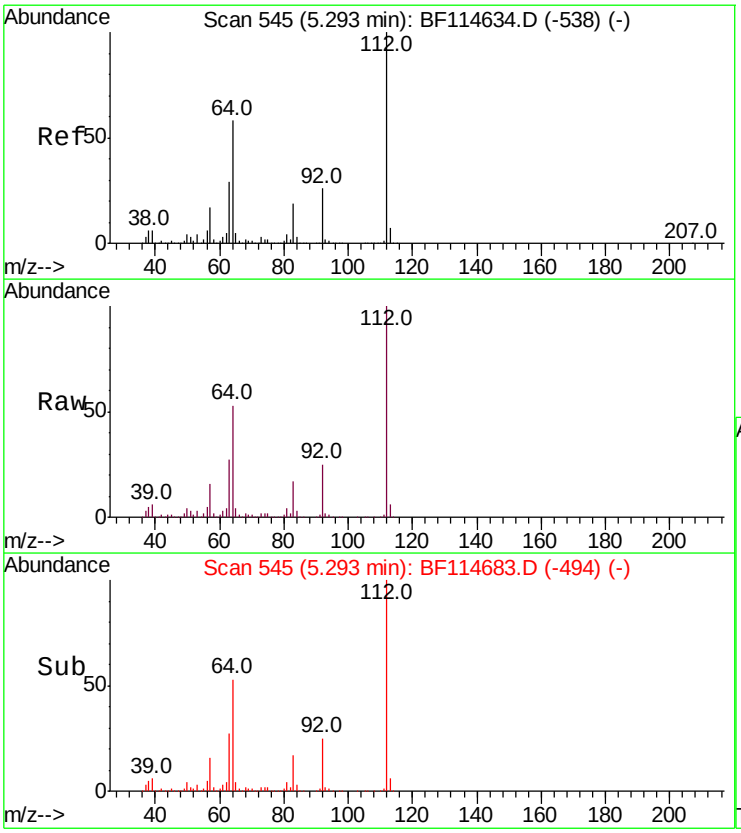
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 362626

Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.4	186.6
115	56.9	48.7	73.1

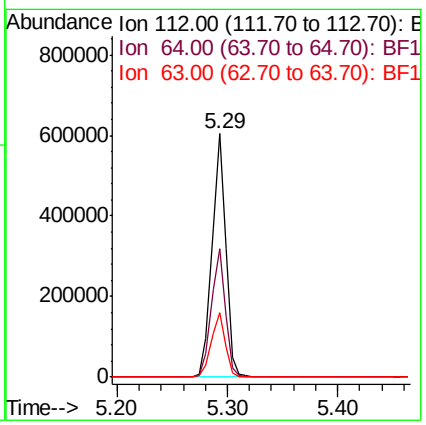


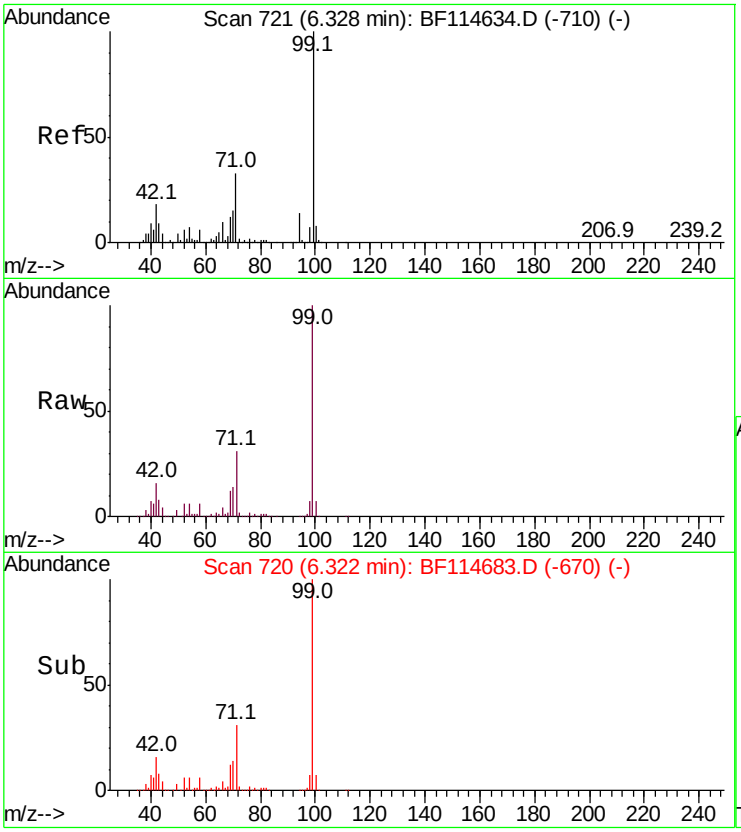


#5
2-Fluorophenol
Concen: 25.142 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:112 Resp: 519288

Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.1	69.1
63	26.5	23.4	35.2



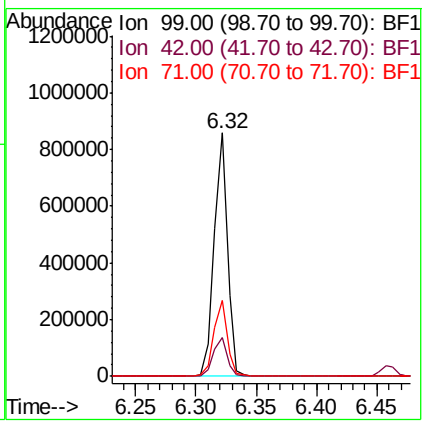


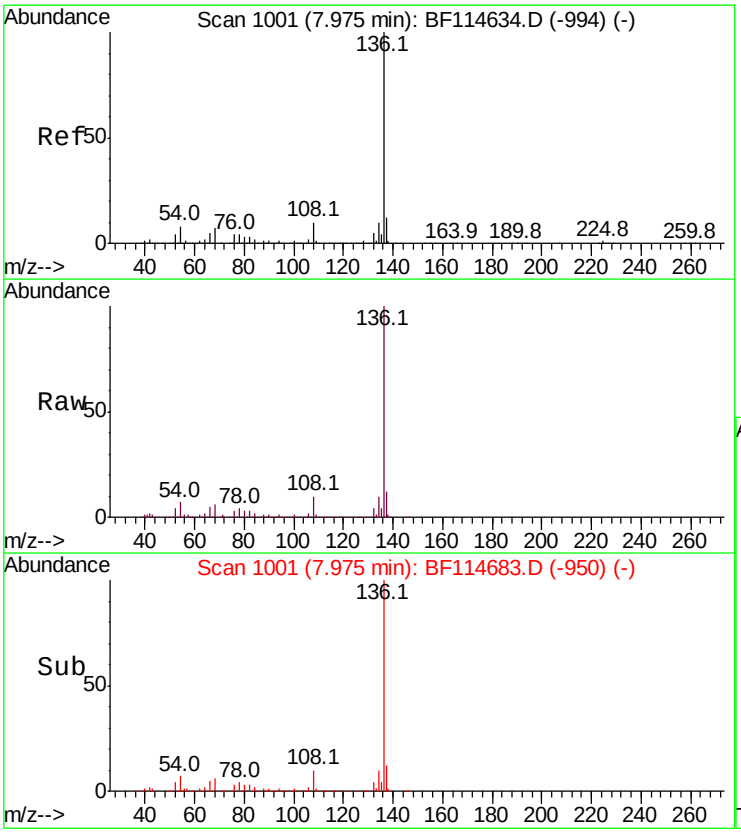
#7
Phenol-d6
Concen: 26.033 ng
RT: 6.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 647938

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.7	22.1
71	31.2	26.6	40.0

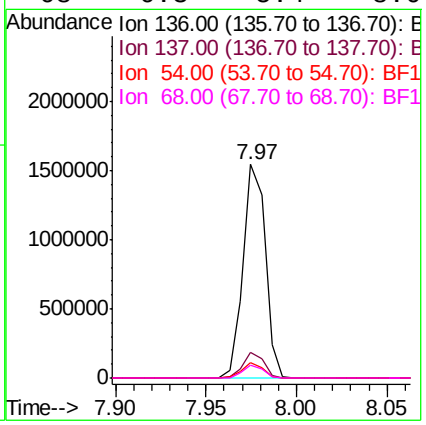


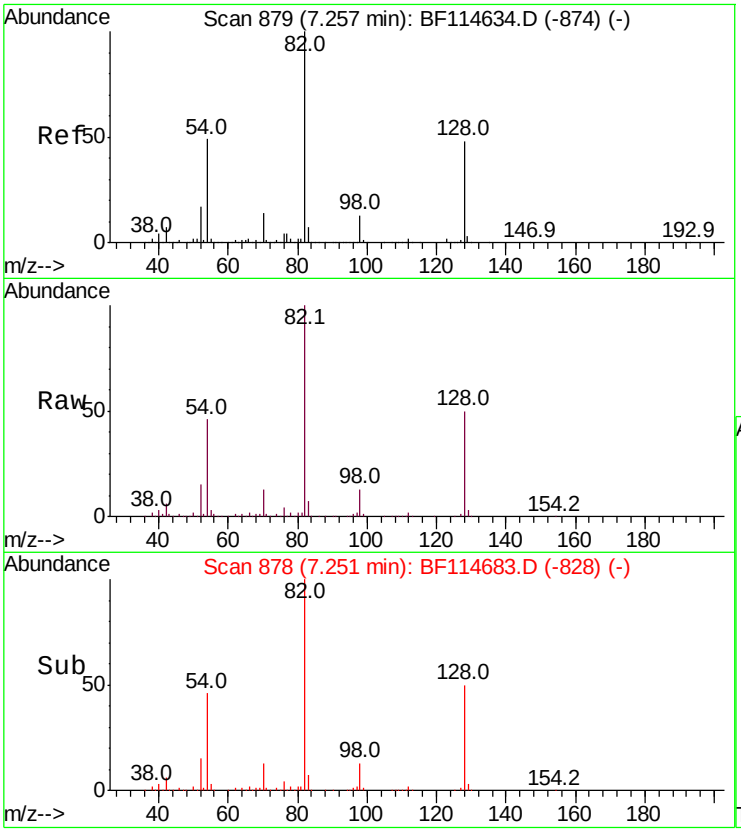


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:136 Resp: 1320982

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.3	13.9
54	7.3	6.3	9.5
68	6.3	5.4	8.0



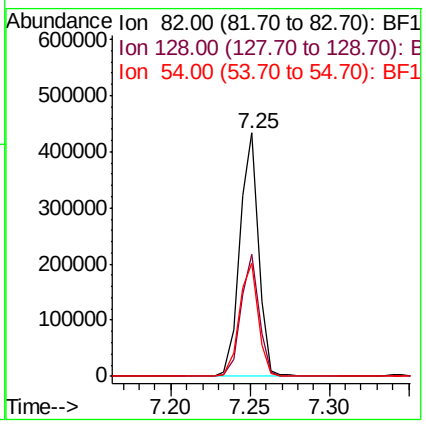


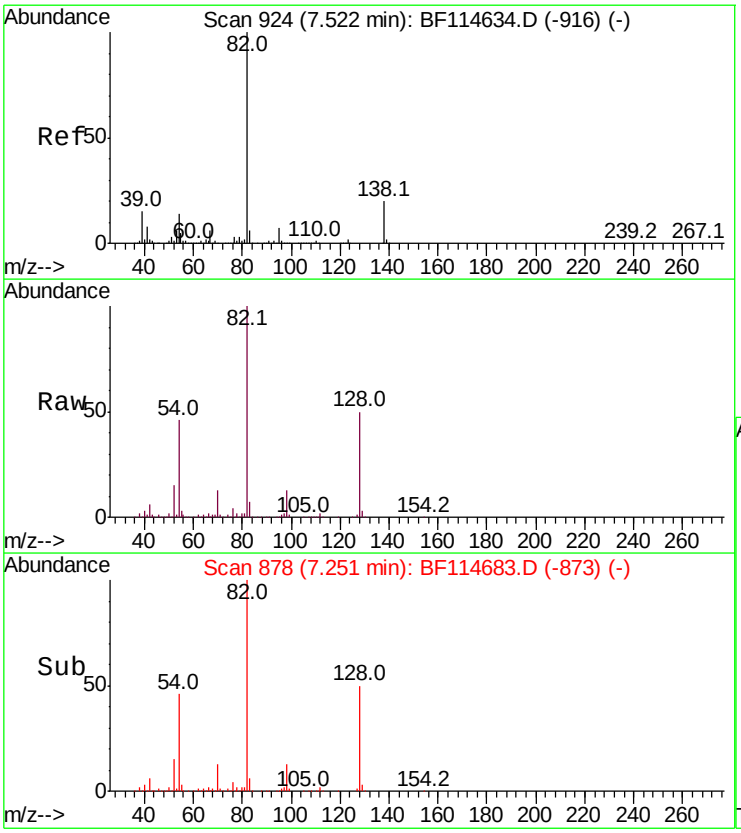
#23
Nitrobenzene-d5
Concen: 16.682 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 353222

Ion	Ratio	Lower	Upper
82	100		
128	49.9	38.5	57.7
54	46.4	39.1	58.7

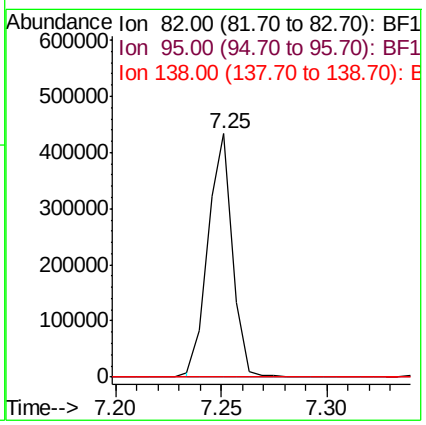


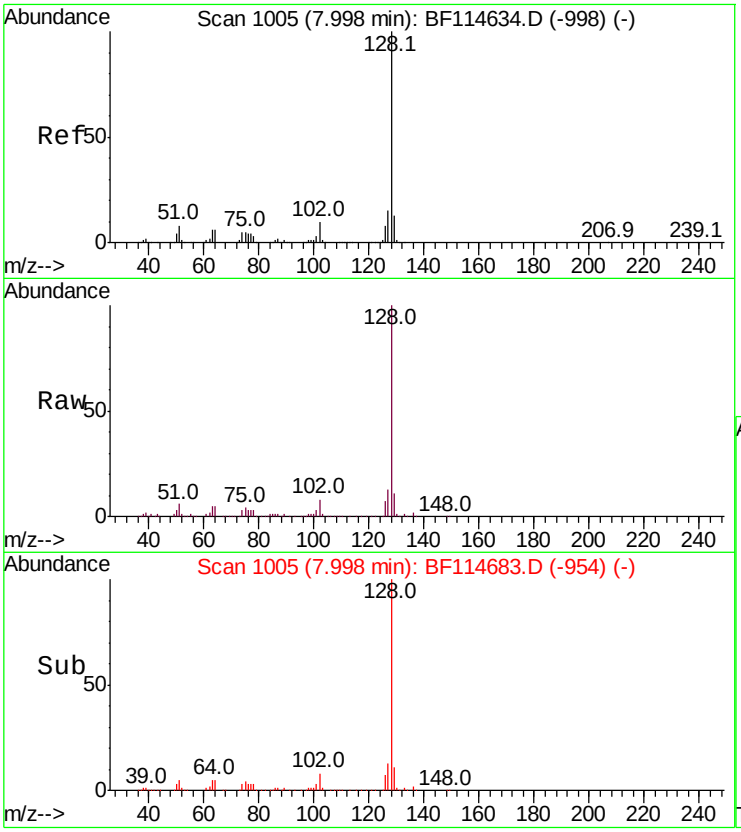


#25
Isophorone
Concen: 8.153 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.27 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion: 82 Resp: 346440

Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.6	8.4#
138	0.0	15.9	23.9#



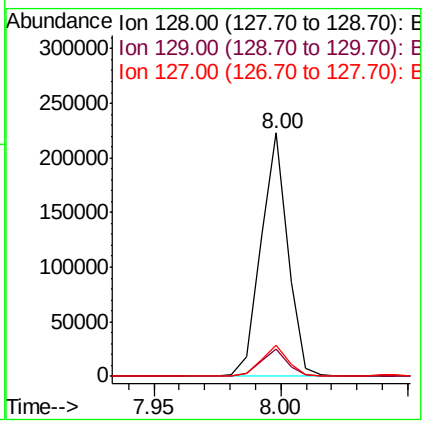


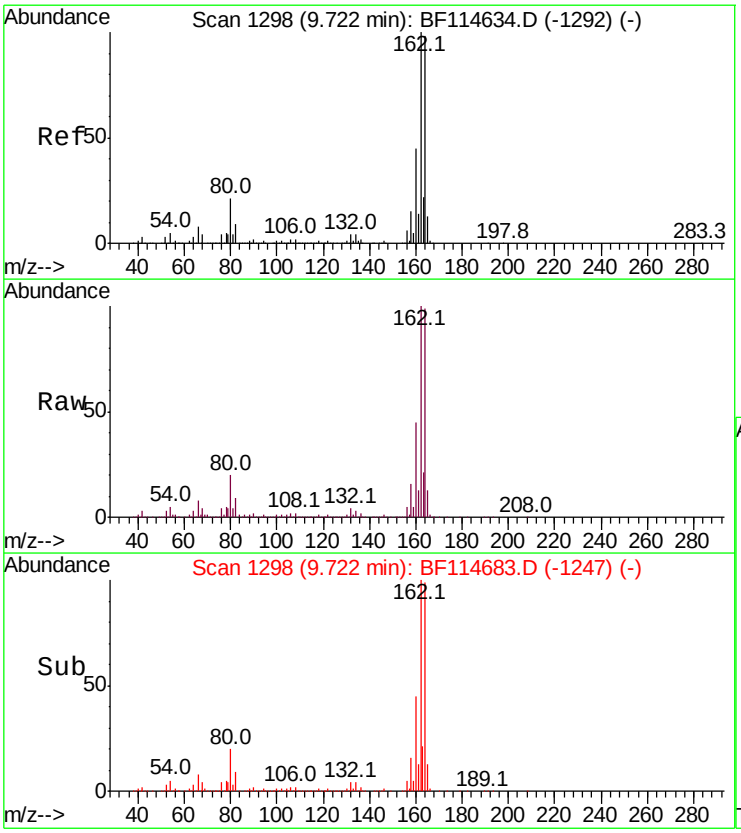
#31
Naphthalene
Concen: 2.719 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 165441

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.2
127	13.0	11.9	17.9

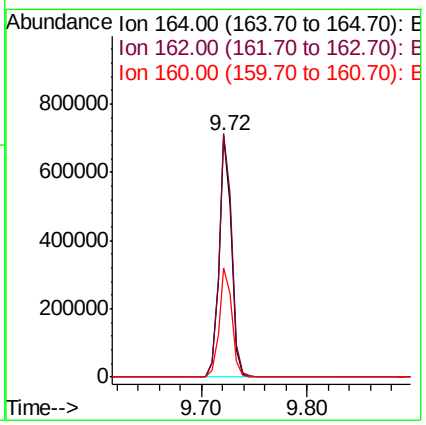


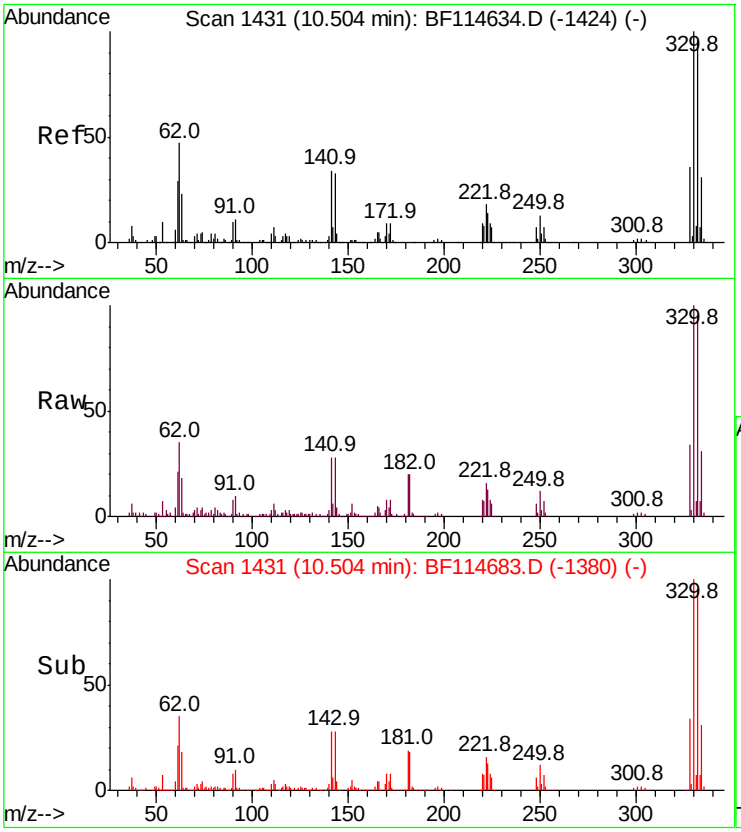


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:164 Resp: 580302

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.4	122.2
160	45.3	36.6	54.8



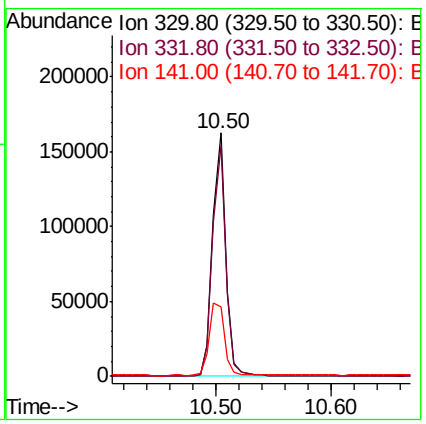


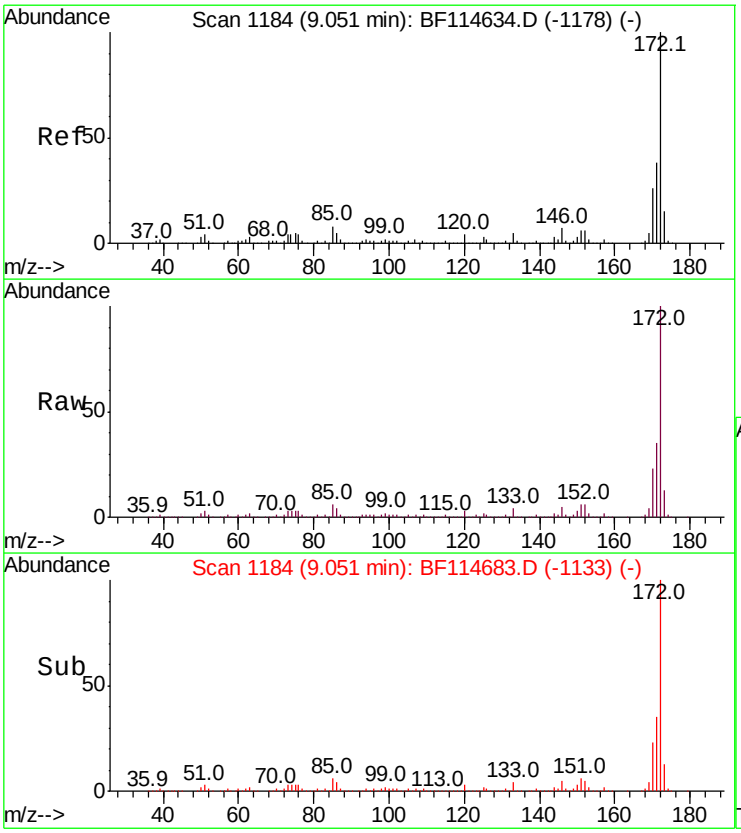
#42
2,4,6-Tribromophenol
Concen: 23.487 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 129866

Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.8	113.8
141	34.1	27.8	41.8

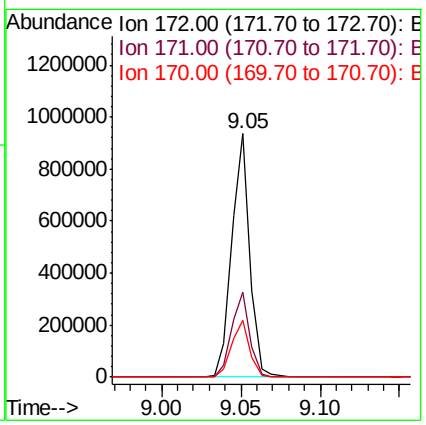


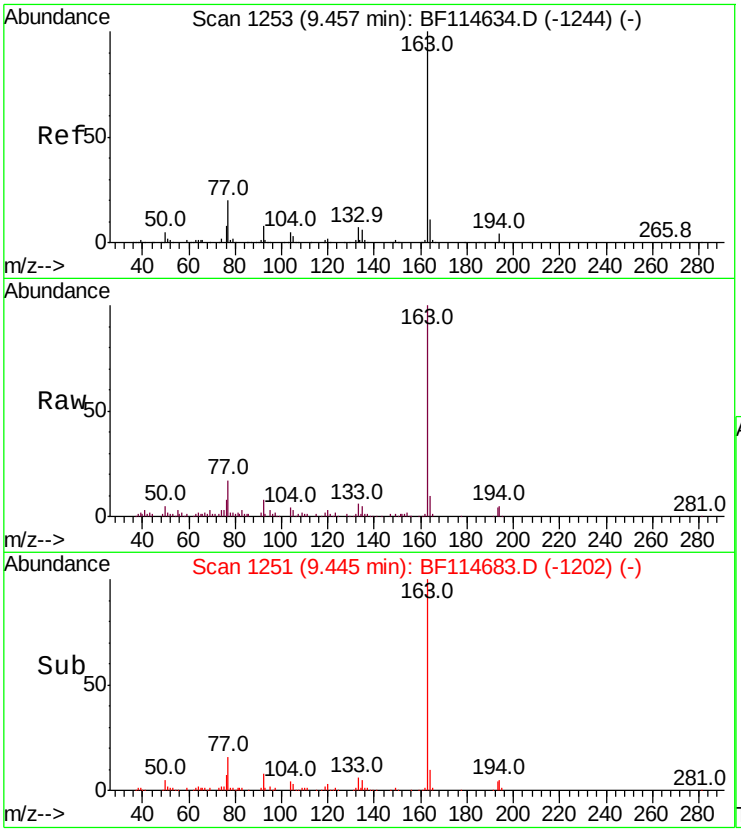


#45
2-Fluorobiphenyl
Concen: 9.701 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:172 Resp: 737595

Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.6	45.8
170	23.1	20.7	31.1



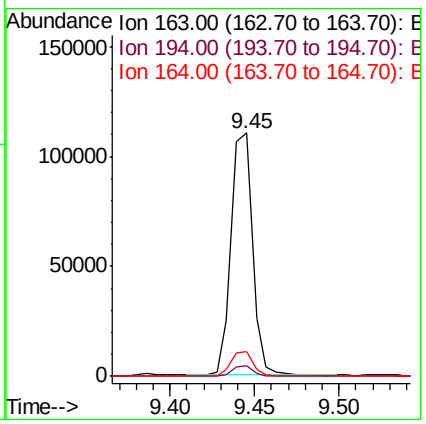


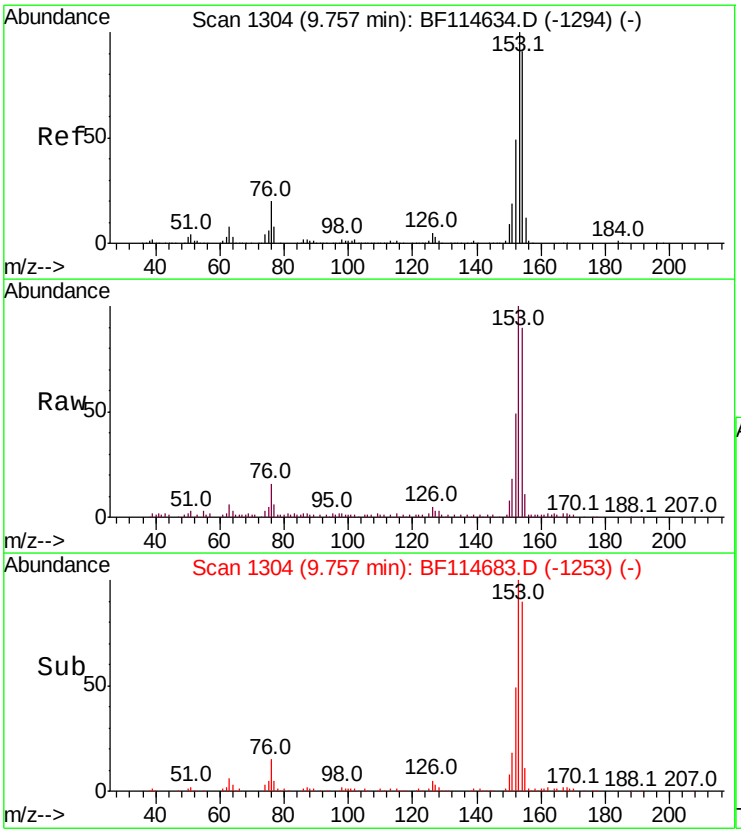
#50
Dimethylphthalate
Concen: 2.408 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 97355

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.3	8.6	13.0

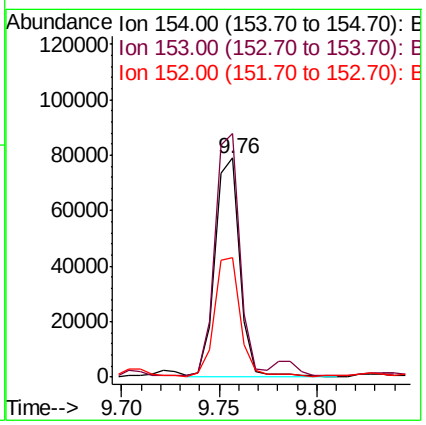


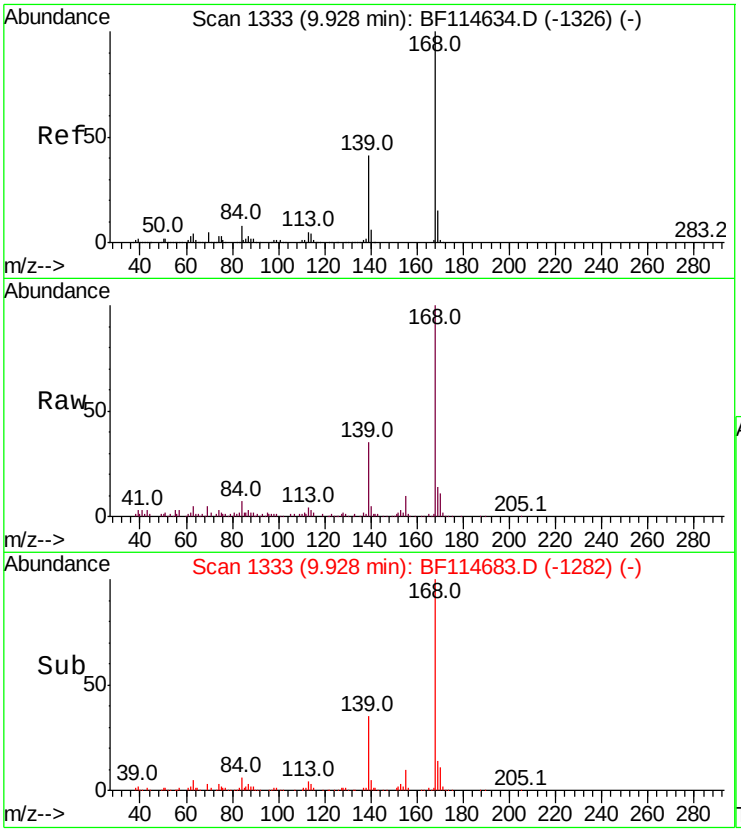


#52
Acenaphthene
Concen: 2.097 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:154 Resp: 70193

Ion	Ratio	Lower	Upper
154	100		
153	111.1	88.4	132.6
152	54.4	43.4	65.0



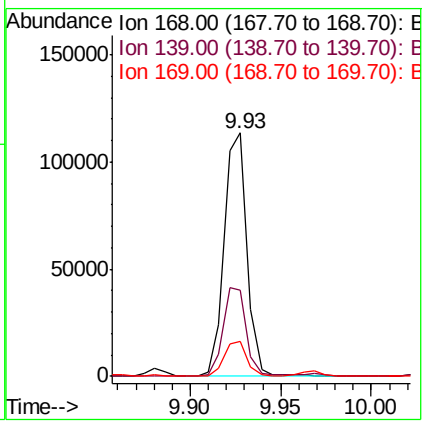


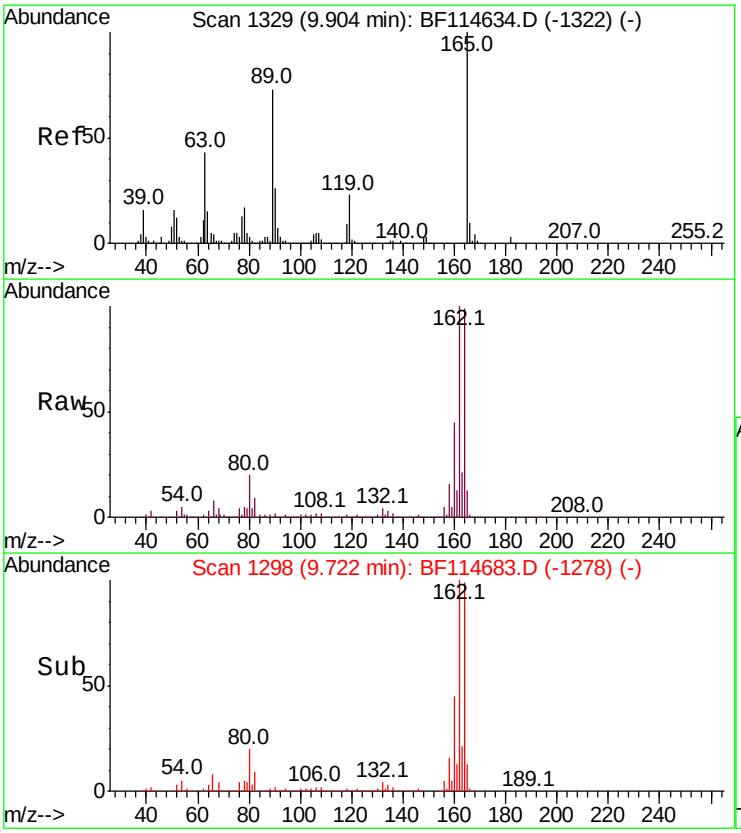
#55
Dibenzofuran
Concen: 2.100 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 100064

Ion	Ratio	Lower	Upper
168	100		
139	35.3	32.6	48.8
169	14.3	11.8	17.8

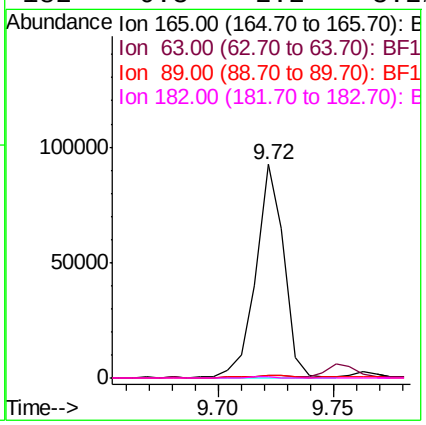


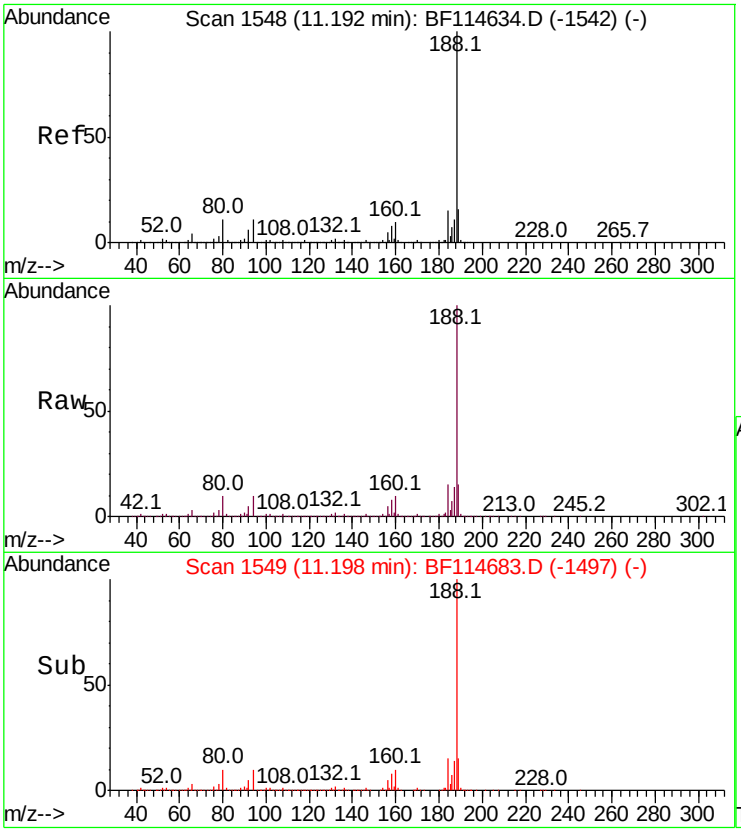


#57
2,4-Dinitrotoluene
Concen: 6.543 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.18 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:165 Resp: 78898

Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.3	58.5	87.7#
182	0.3	2.2	3.2#



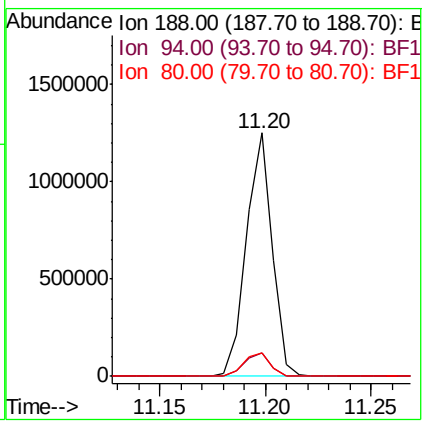


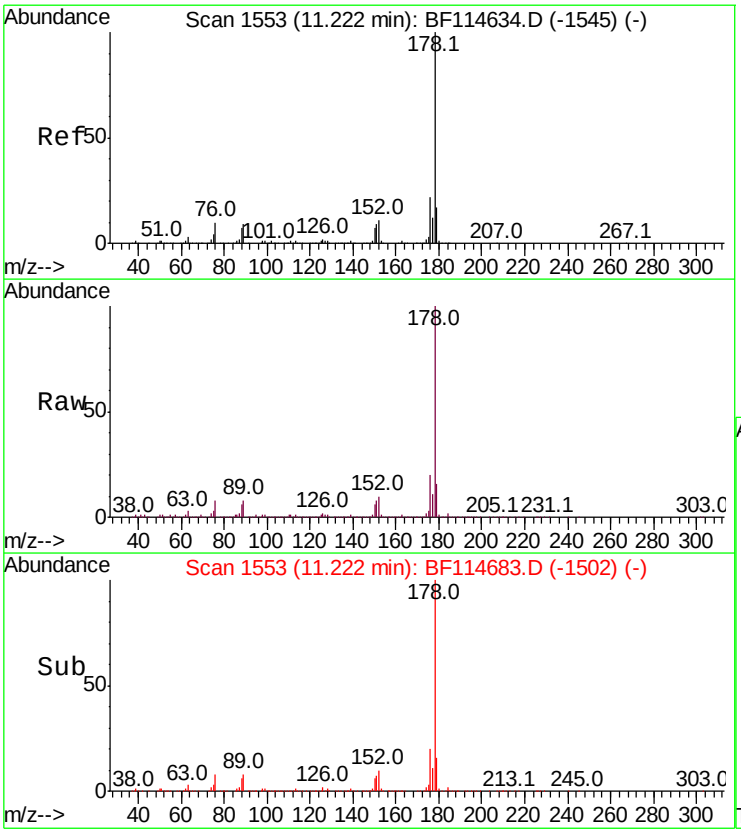
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 1061555

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.6	13.0
80	9.7	9.0	13.6

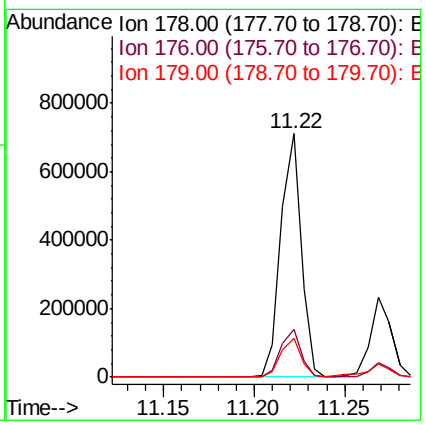


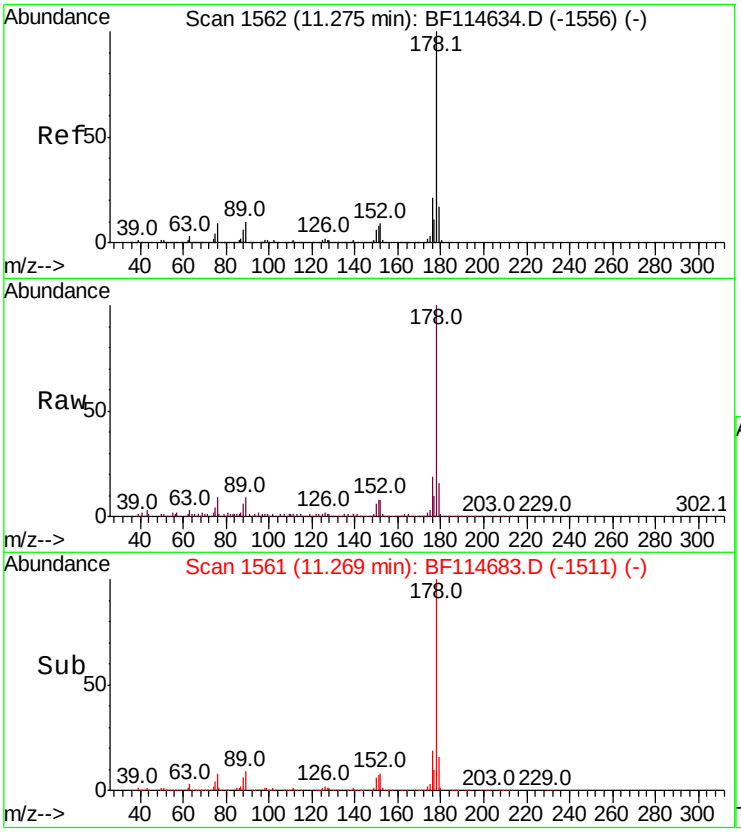


#71
Phenanthrene
Concen: 10.353 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:178 Resp: 560634

Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.2	25.8
179	15.8	13.9	20.9



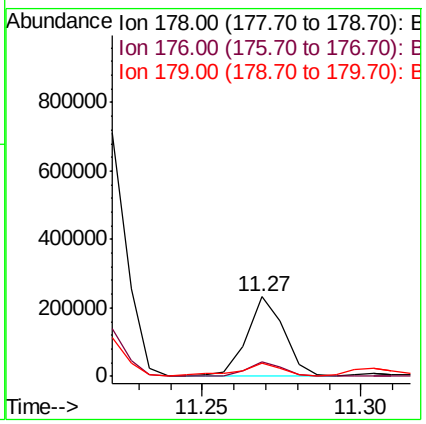


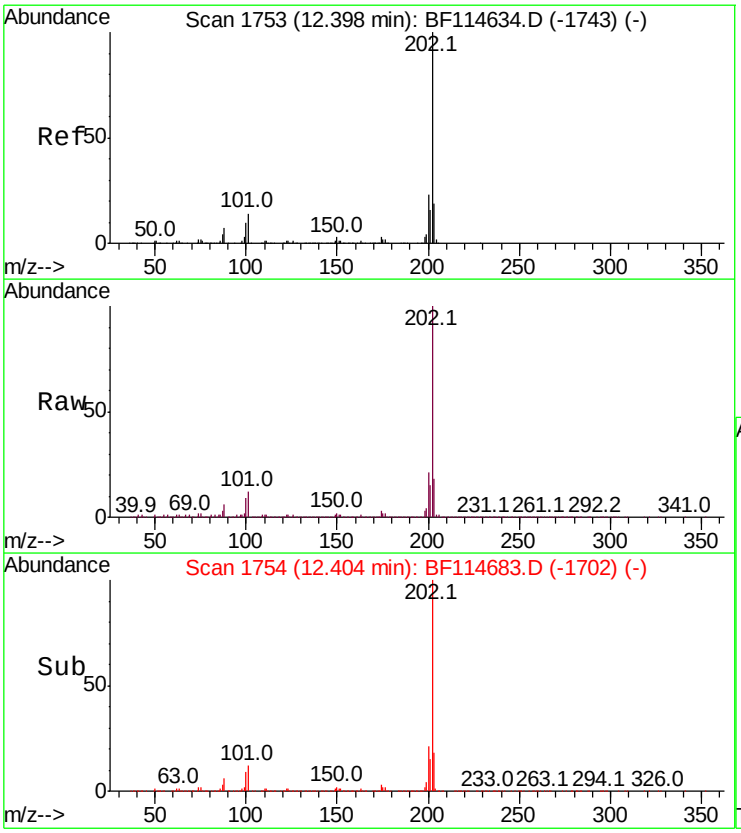
#72
Anthracene
Concen: 3.332 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 182620

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	16.0	13.4	20.0

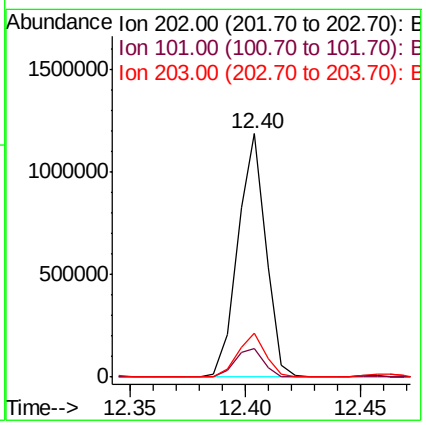


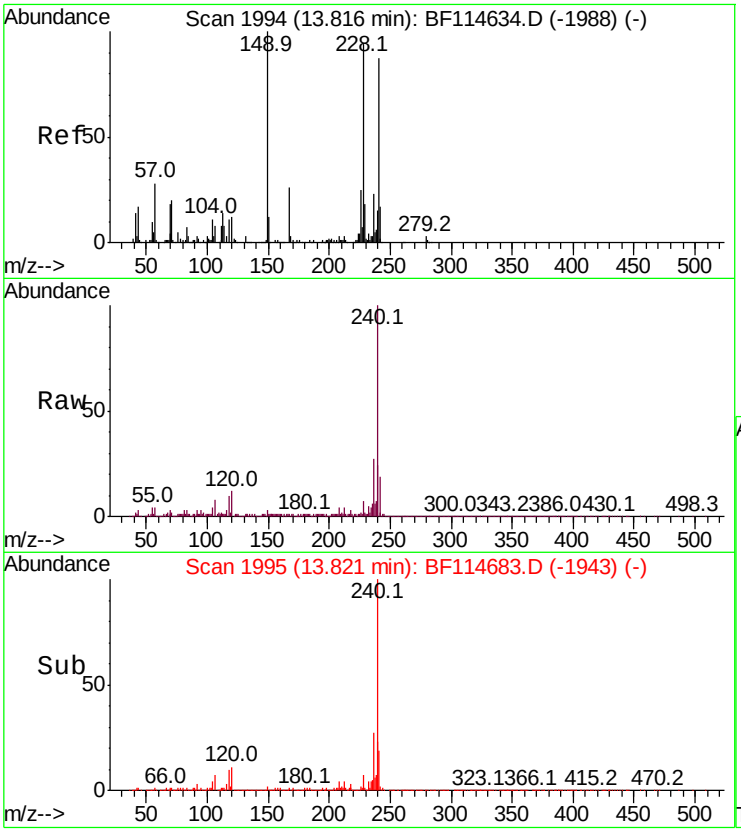


#75
Fluoranthene
Concen: 17.714 ng
RT: 12.40 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:202 Resp: 993250

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.9
203	18.0	0.0	39.1



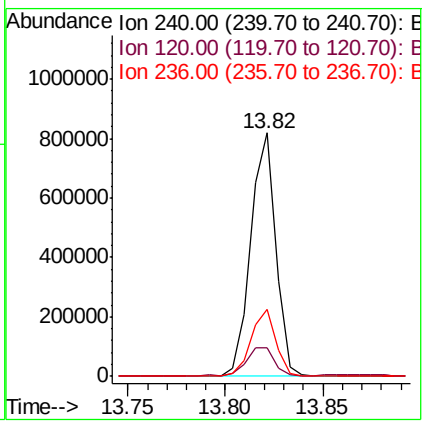


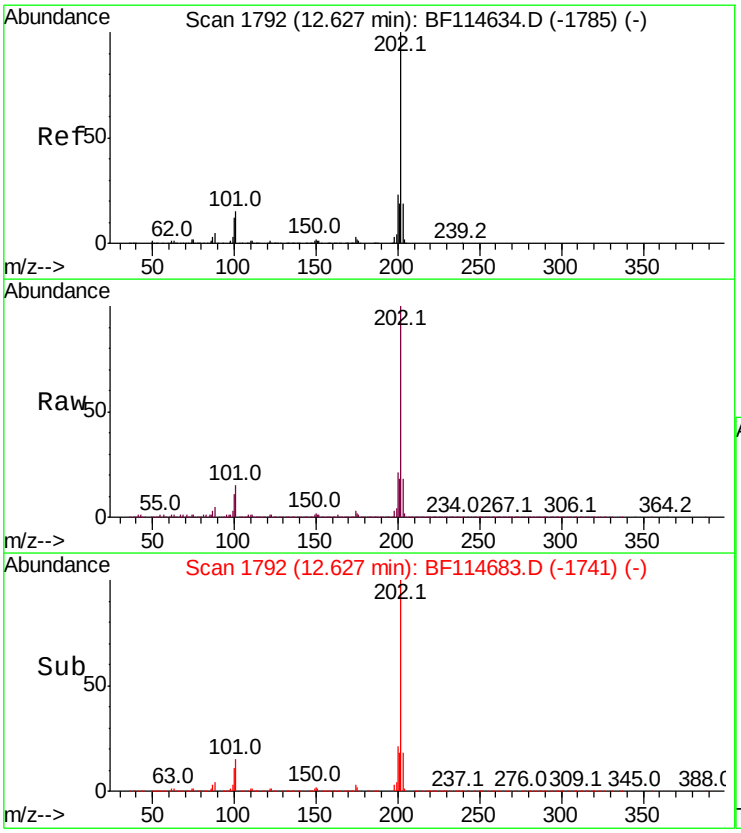
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 726578

Ion	Ratio	Lower	Upper
240	100		
120	11.7	11.2	16.8
236	27.3	21.2	31.8

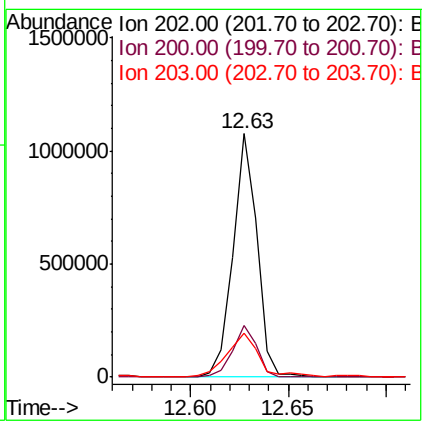


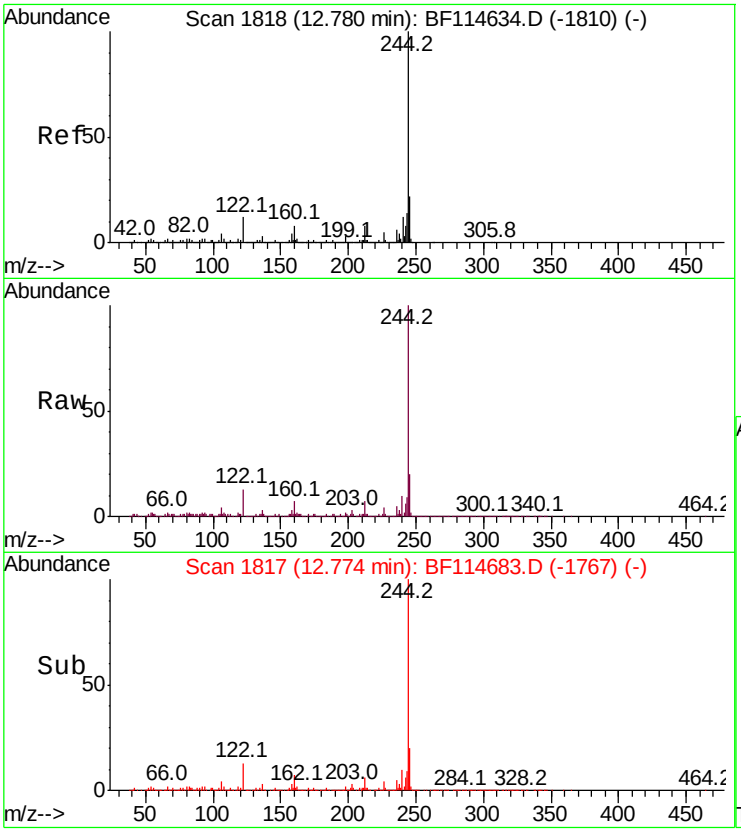


#78
Pyrene
Concen: 14.855 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:202 Resp: 913024

Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.6	28.0
203	18.2	15.4	23.2



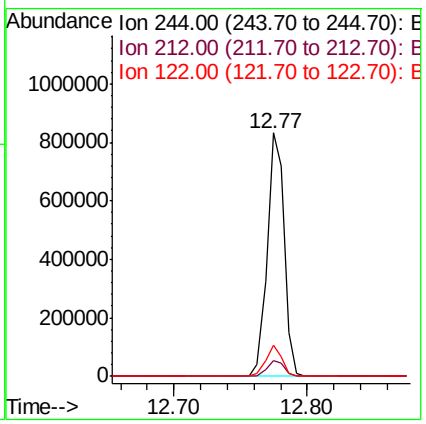


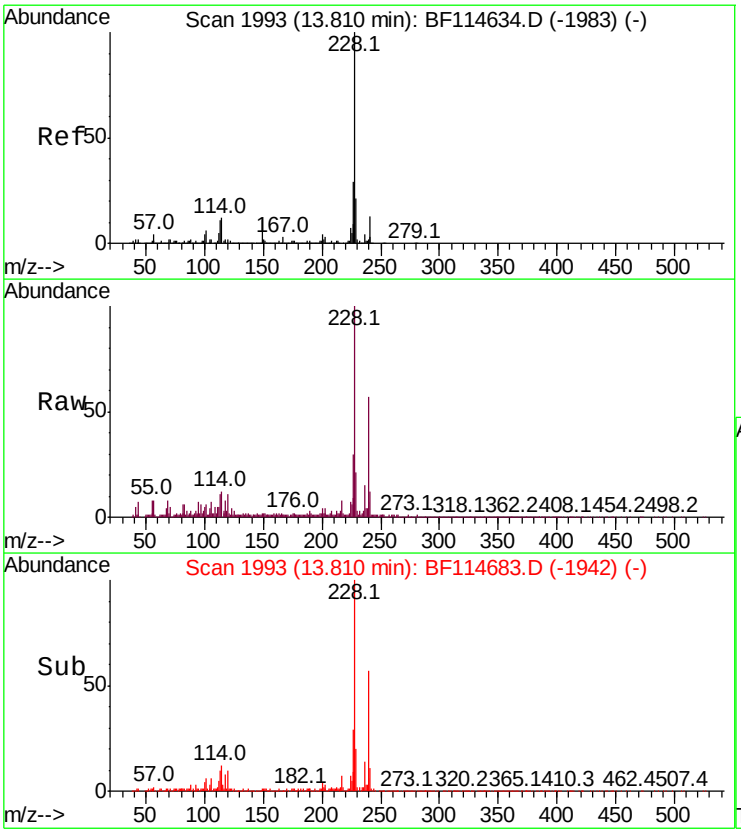
#79
Terphenyl-d14
Concen: 19.060 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 736550

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.1	9.1
122	12.8	9.8	14.8

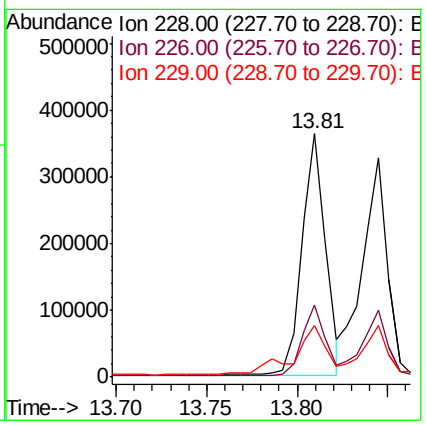


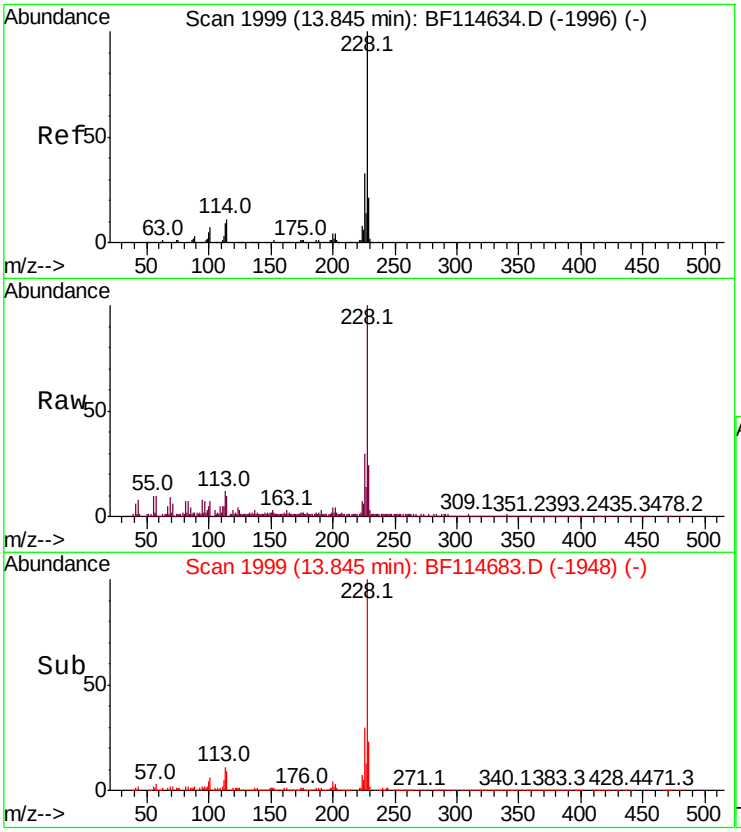


#81
Benzo(a)anthracene
Concen: 5.979 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:228 Resp: 333832

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.6
229	21.2	17.0	25.4



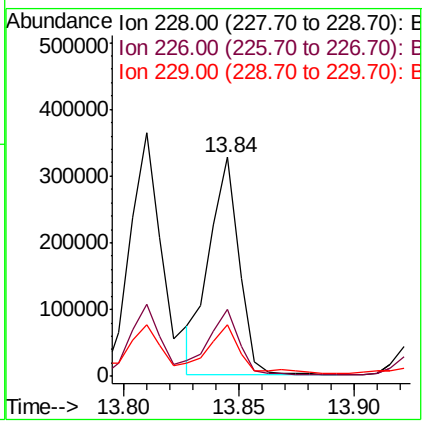


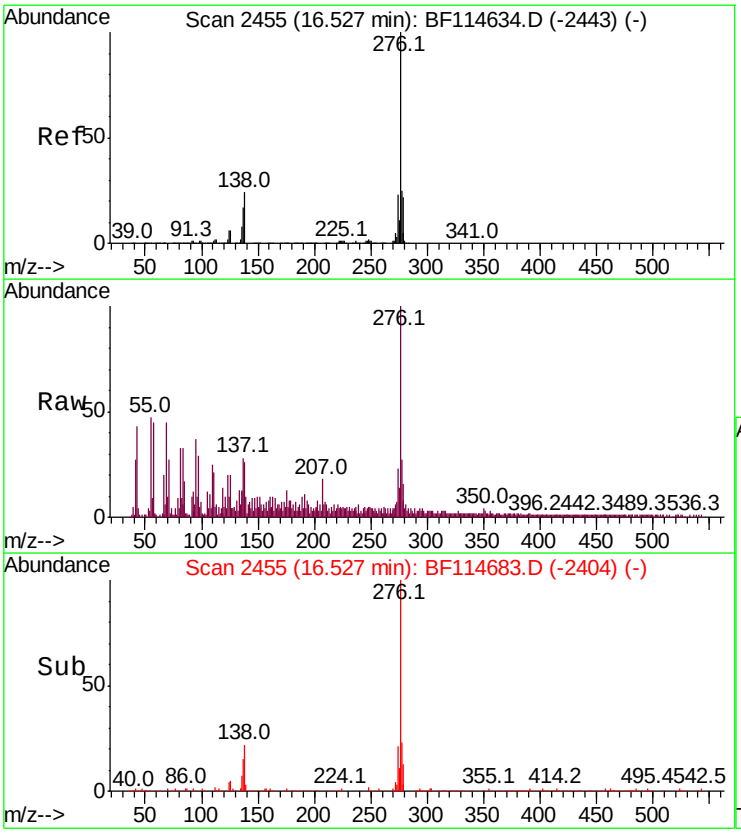
#83
Chrysene
Concen: 5.466 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 291595

Ion	Ratio	Lower	Upper
228	100		
226	30.4	26.4	39.6
229	23.6	17.1	25.7

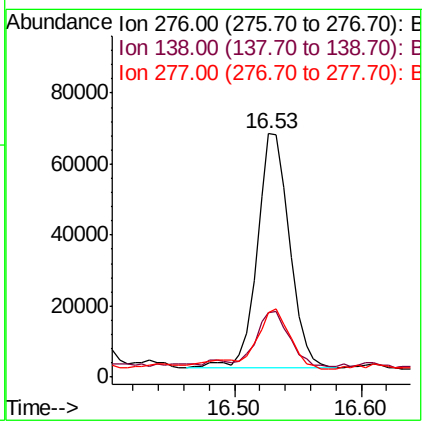


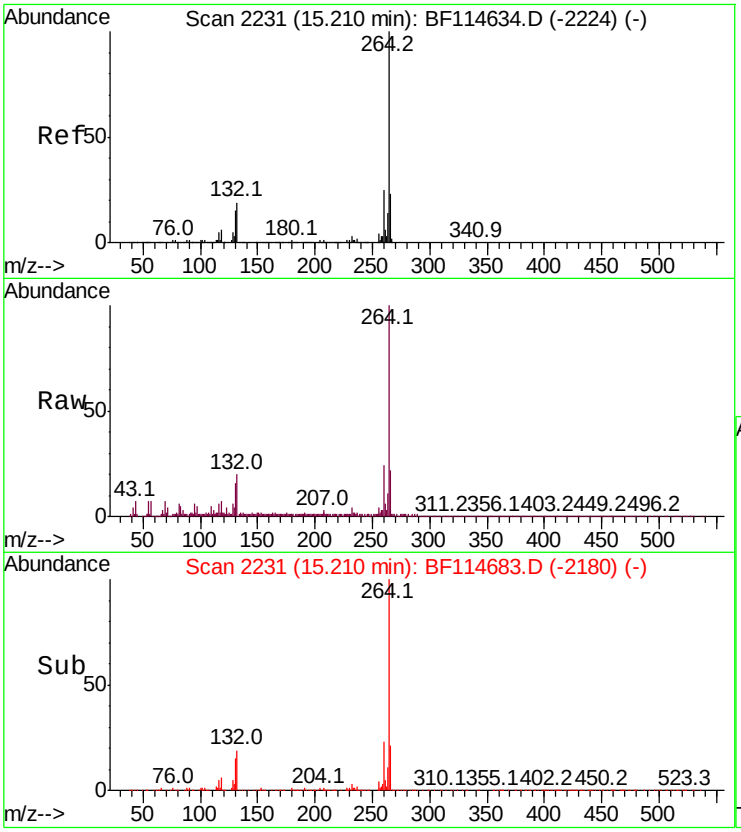


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.188 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:276 Resp: 116889

Ion	Ratio	Lower	Upper
276	100		
138	24.6	23.0	34.6
277	25.2	20.5	30.7



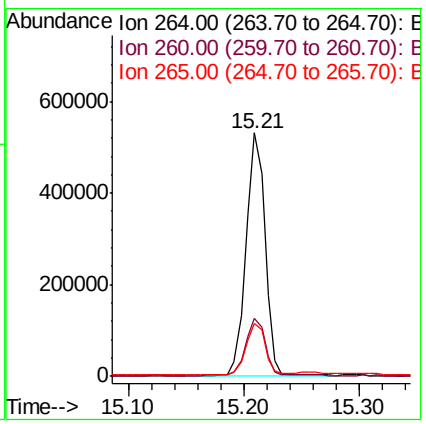


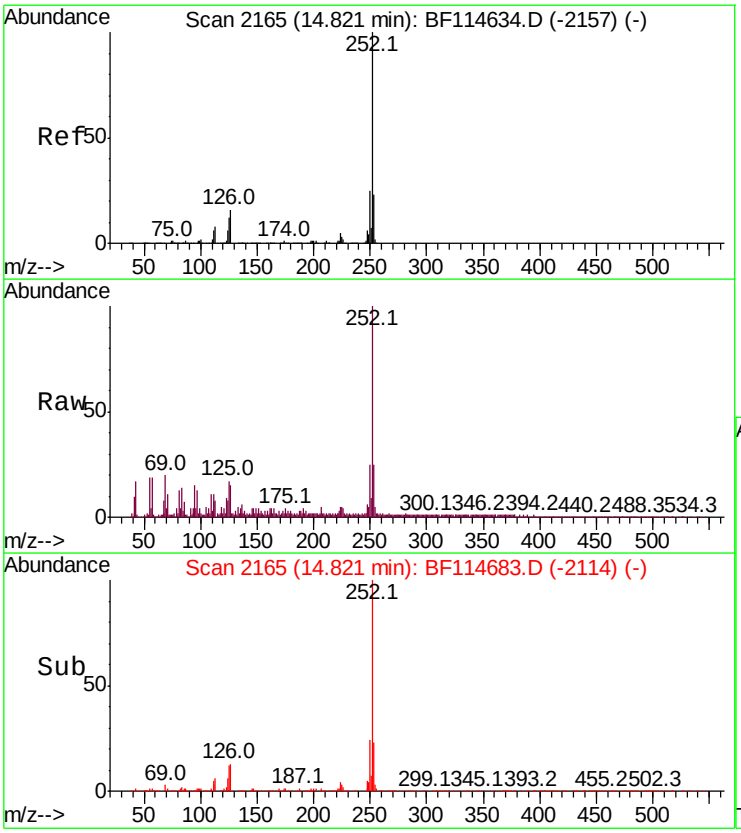
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 605087

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.7	18.1	27.1

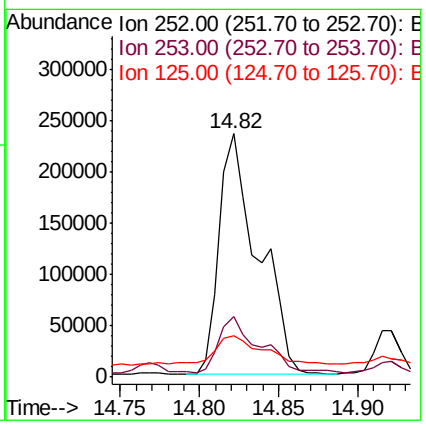


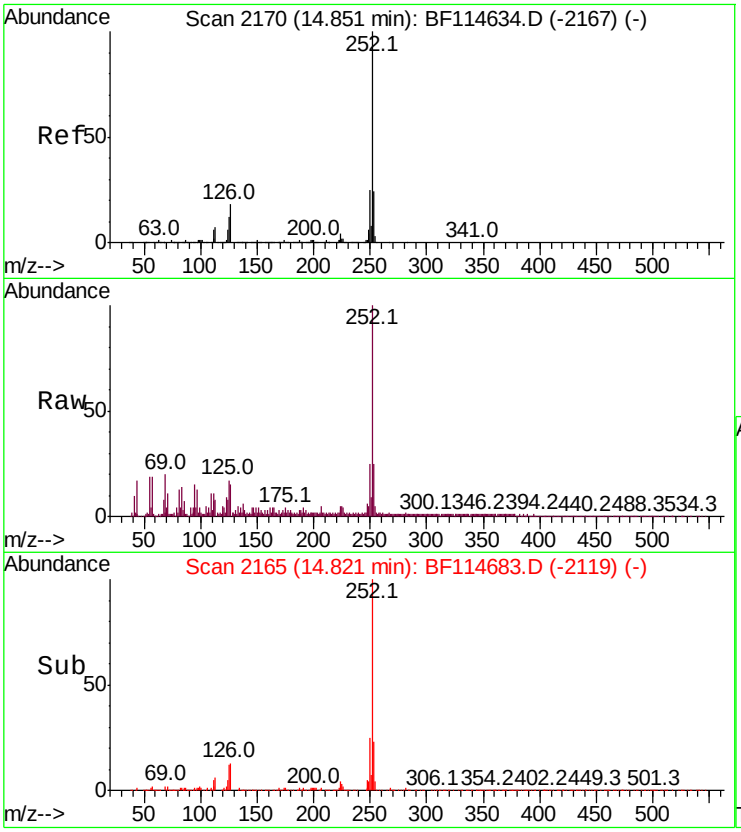


#88
Benzo(b)fluoranthene
Concen: 10.573 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:252 Resp: 402944

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.7	28.1
125	16.9	9.4	14.2#



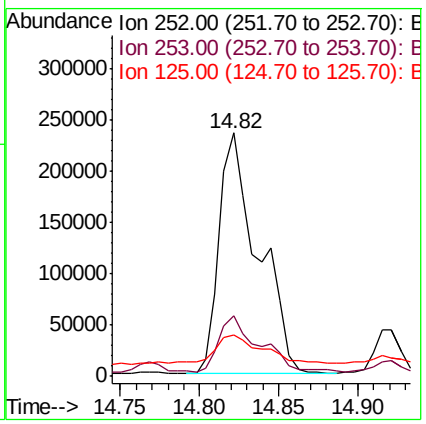


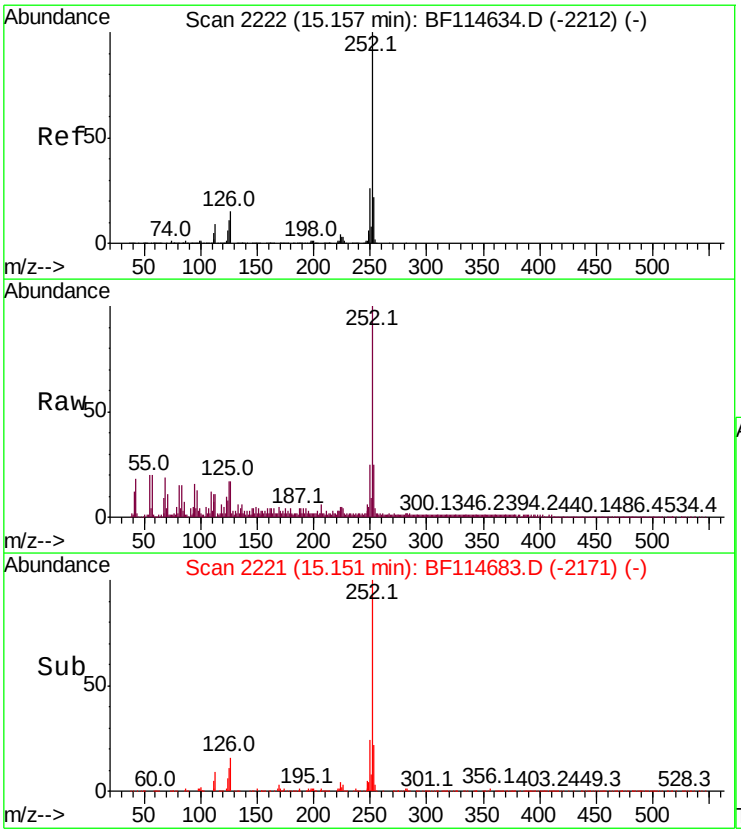
#89
Benzo(k)fluoranthene
Concen: 12.164 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 402944

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	16.9	9.5	14.3#

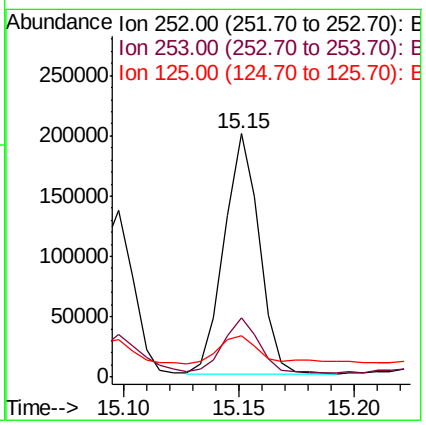


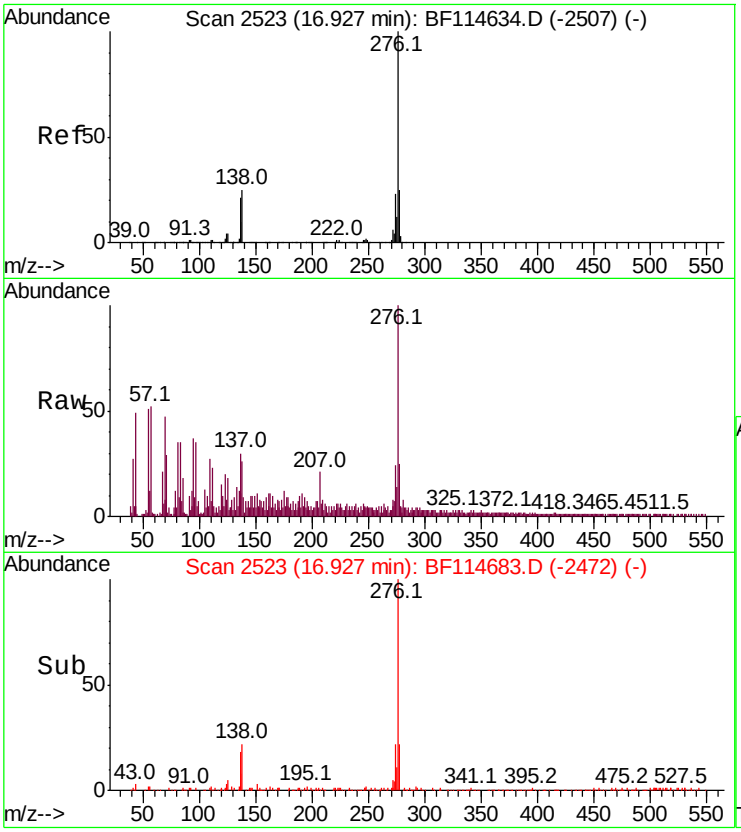


#90
Benzo(a)pyrene
Concen: 6.258 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:252 Resp: 209501

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	17.1	9.2	13.8#





#92
Benzo(g,h,i)perylene
Concen: 3.940 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 113143

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.7	29.5
138	26.1	19.8	29.8