Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
Data File : BF111974.D
Acq On : 10 Jan 2019 3:27
Operator : JU/SJ
Sample : K1044-05DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jan 10 06:55:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	116530	20.00	ng		0.00
21) Naphthalene-d8	8.17	136	446203	20.00	ng		0.00
39) Acenaphthene-d10	9.93	164	162417	20.00	ng		0.00
64) Phenanthrene-d10	11.42	188	282848	20.00	ng		0.00
76) Chrysene-d12	14.06	240	193151	20.00	ng		0.00
87) Perylene-d12	15.55	264	152596	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	58247	8.55	ng		0.00
7) Phenol-d6	6.52	99	75560	8.61	ng		-0.01
23) Nitrobenzene-d5	7.44	82	41976	5.03	ng		-0.02
42) 2,4,6-Tribromophenol	10.72	330	15091	7.14	ng		0.00
45) 2-Fluorobiphenyl	9.24	172	72389	6.50	ng		-0.01
79) Terphenyl-d14	13.00	244	64499	6.34	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.42	77	1811	Below Cal		#	1
51) 2,6-Dinitrotoluene	9.93	165	23835	8.736	ng	#	26
52) Acenaphthene	9.96	154	34618	3.406	ng		95
58) Fluorene	10.47	166	51420	4.781	ng		94
71) Phenanthrene	11.44	178	354612	23.449	ng		99
72) Anthracene	11.49	178	104649	6.817	ng		99
75) Fluoranthene	12.63	202	336144	21.652	ng		98
78) Pyrene	12.86	202	433453	32.615	ng		99
81) Benzo(a)anthracene	14.05	228	156370	14.067	ng		99
83) Chrysene	14.09	228	141952	13.393	ng		98
86) Indeno(1,2,3-cd)pyrene	17.05	276	44573	5.768	ng		97
88) Benzo(b)fluoranthene	15.12	252	137205	15.031	ng	#	95
89) Benzo(k)fluoranthene	15.12	252	137205	15.991	ng	#	95
90) Benzo(a)pyrene	15.49	252	85858	10.697	ng	#	96
91) Dibenzo(a,h)anthracene	17.06	278	15356	2.379	ng	#	80
92) Benzo(g,h,i)perylene	17.51	276	45082	7.140	ng		96

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

Quantitation Report (Not Reviewed)

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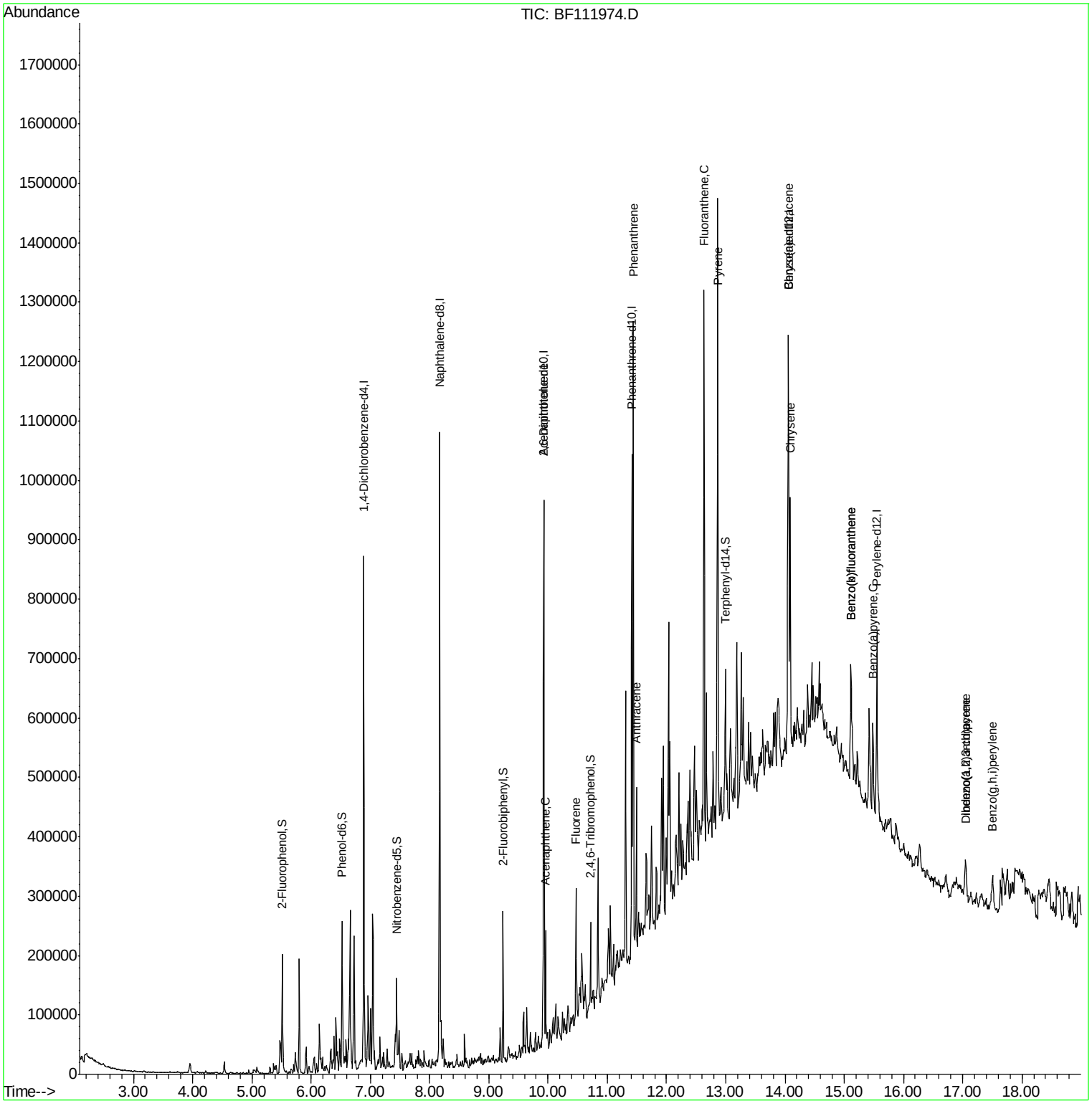
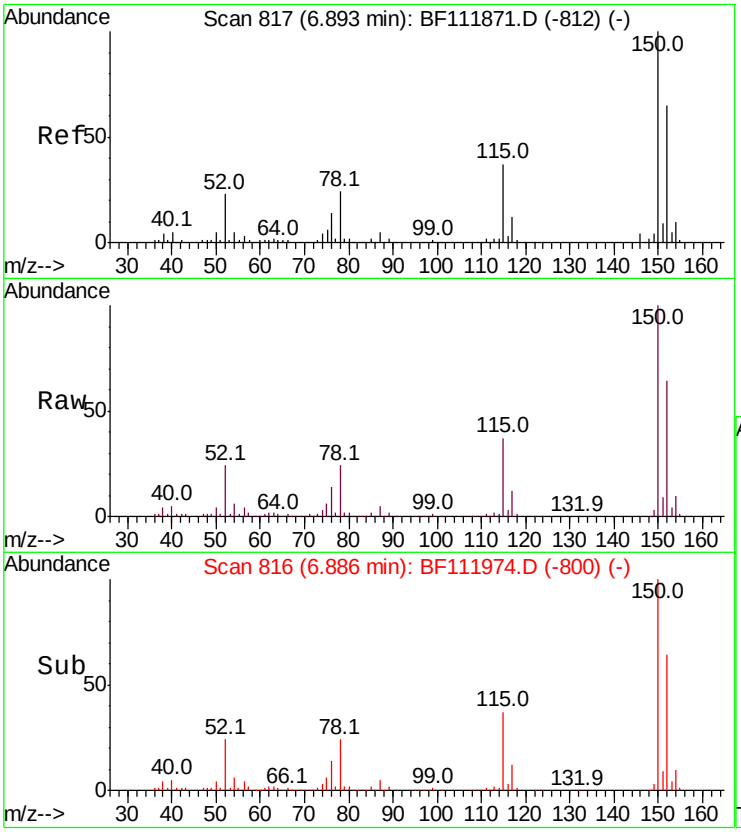


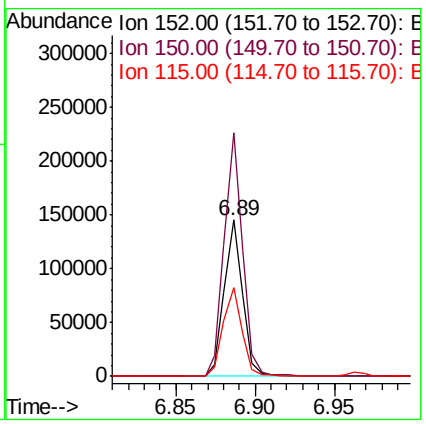


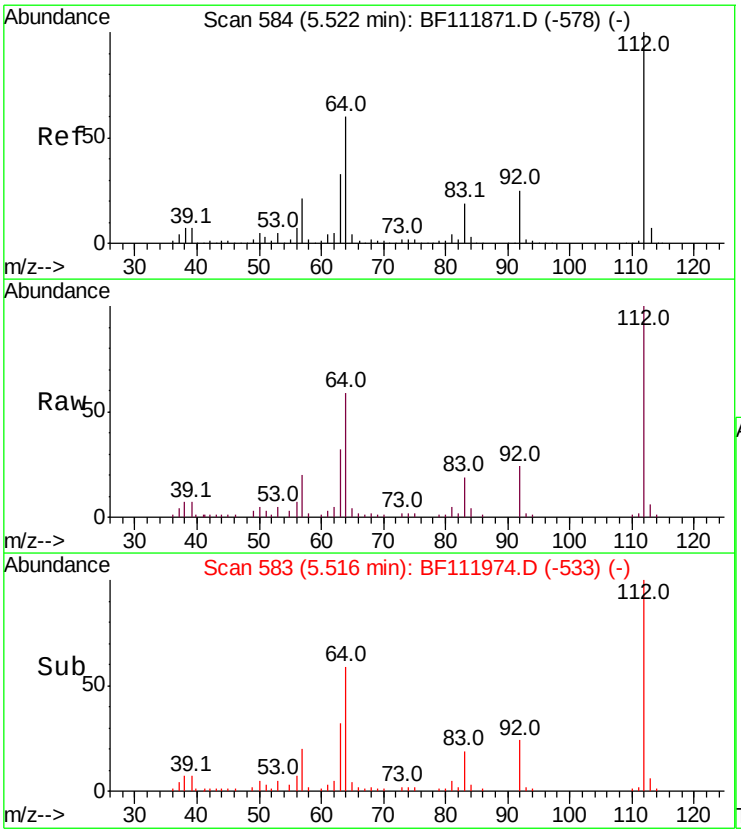
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 116530

Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.7	184.1
115	57.1	45.2	67.8

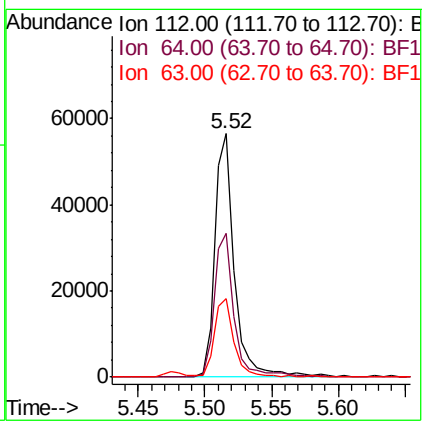


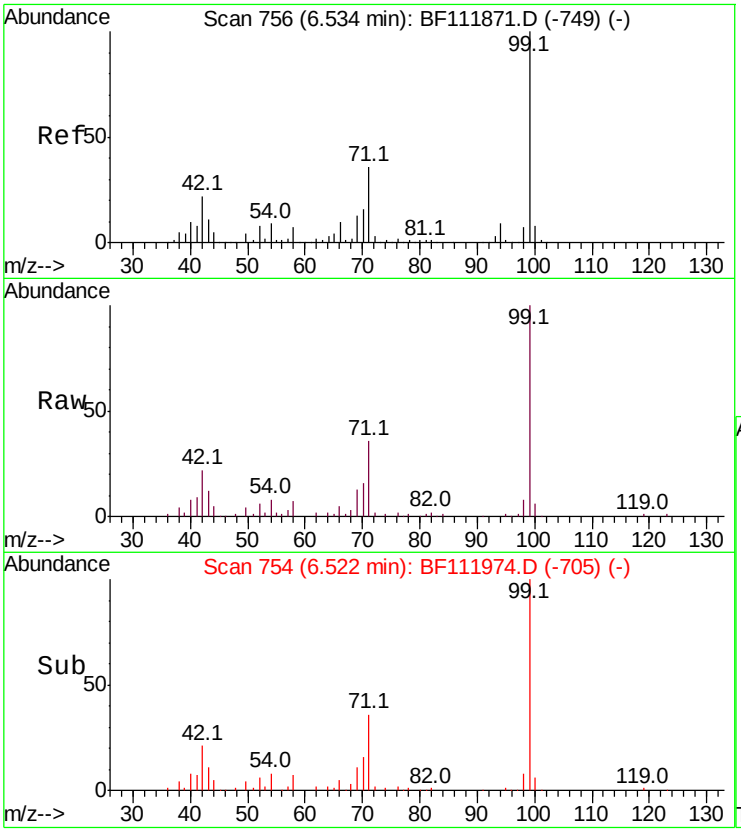


#5
2-Fluorophenol
Concen: 8.551 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:112 Resp: 58247

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.3	72.5
63	32.0	26.1	39.1



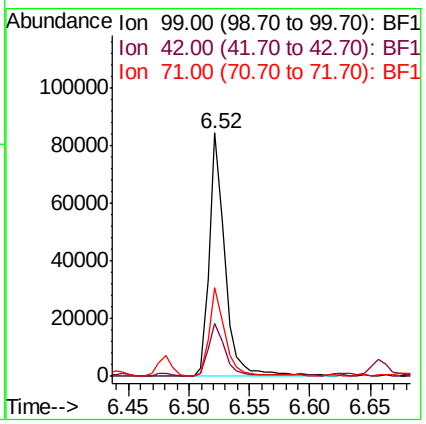


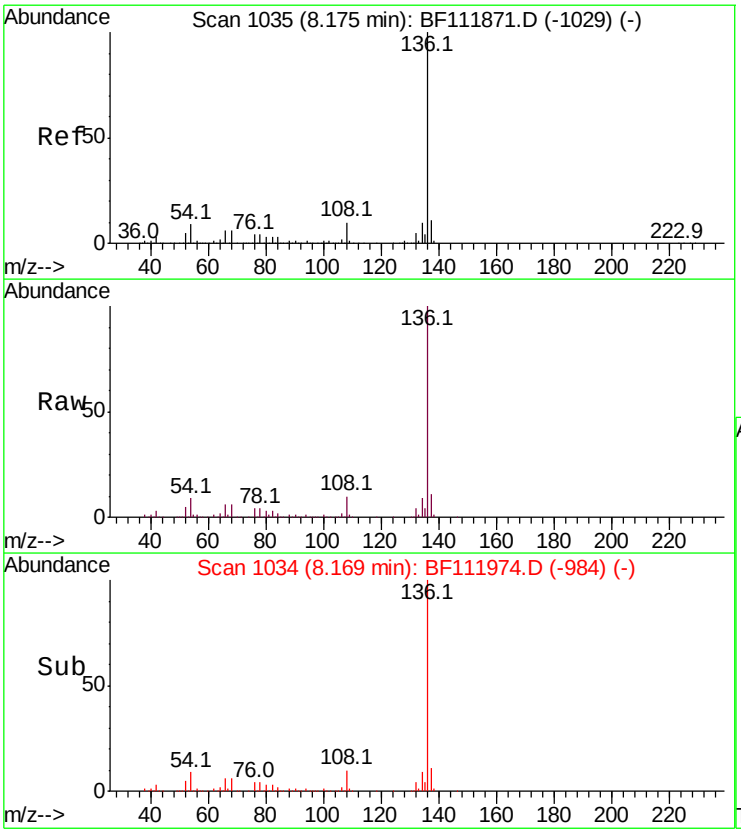
#7
Phenol-d6
Concen: 8.607 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 75560

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.9	26.9
71	36.5	28.7	43.1

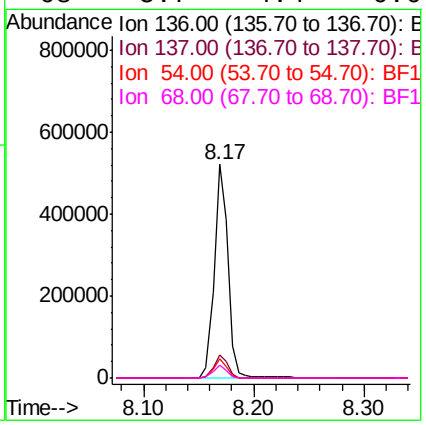


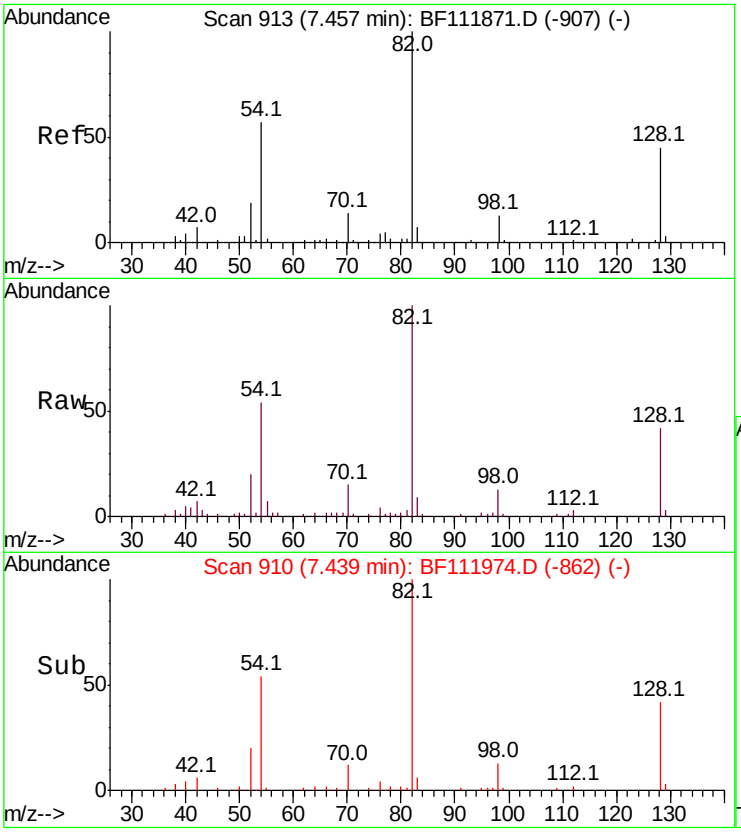


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:136 Resp: 446203

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	9.1	7.2	10.8
68	5.7	4.4	6.6

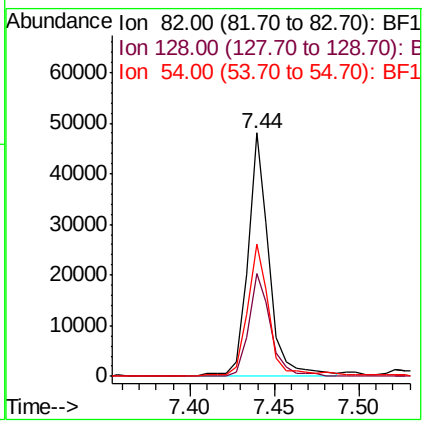




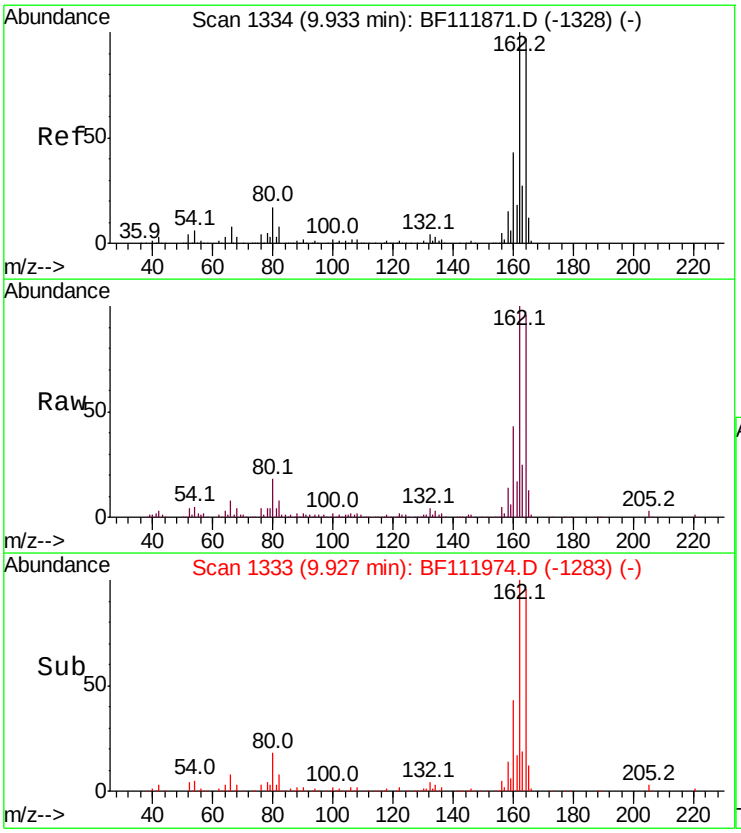
#23
Nitrobenzene-d5
Concen: 5.028 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion: 82 Resp: 41976

Ion	Ratio	Lower	Upper
82	100		
128	42.2	35.7	53.5
54	54.4	45.8	68.8



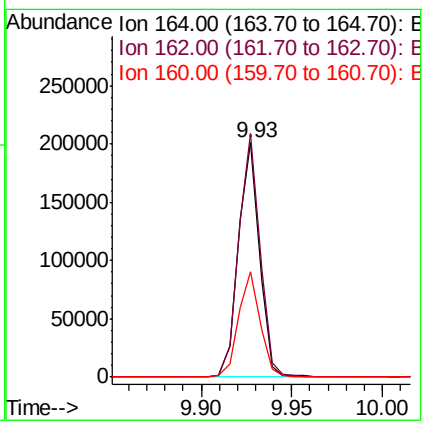
Instrument :
BNA_F
ClientSampleId :

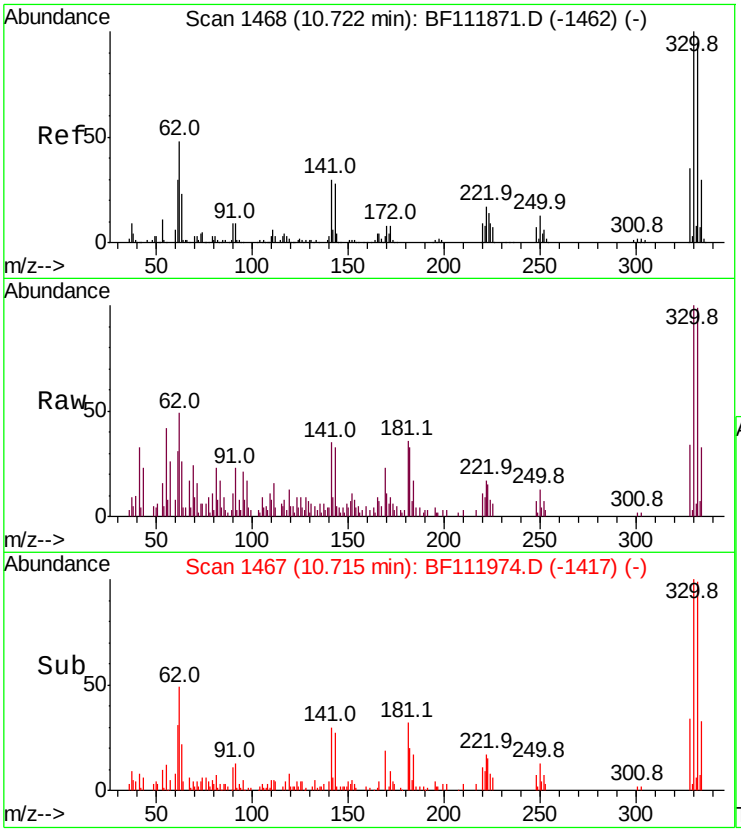


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:164 Resp: 162417

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.2
160	44.9	35.5	53.3



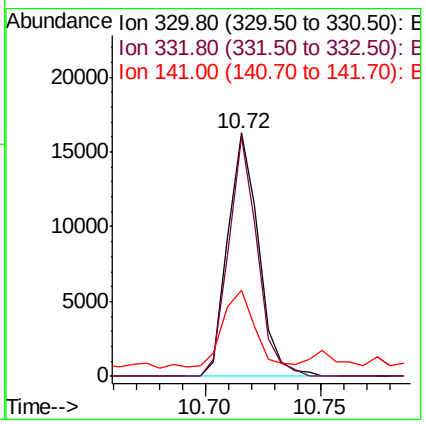


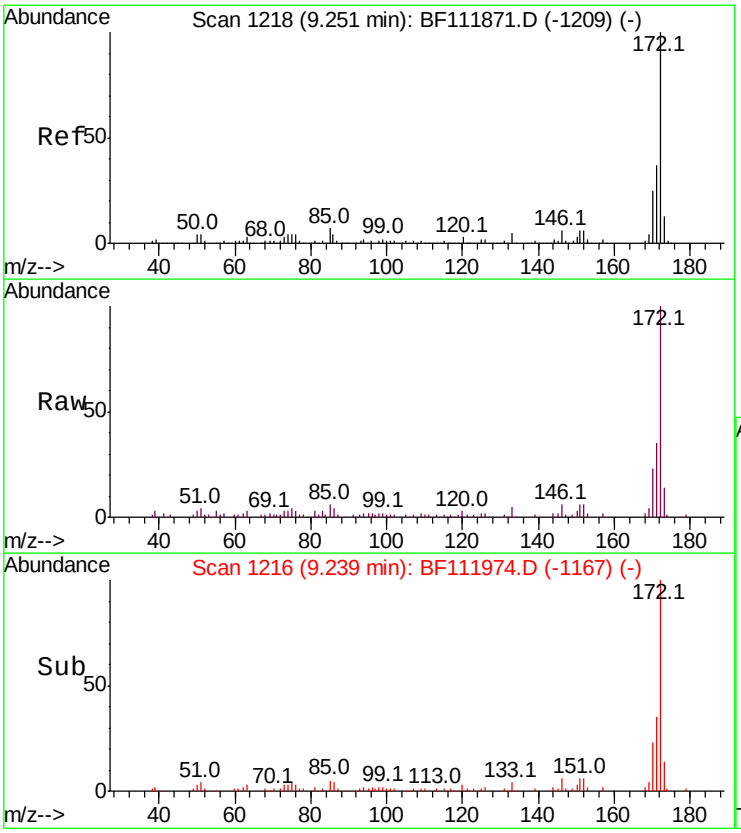
#42
2,4,6-Tribromophenol
Concen: 7.143 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 15091

Ion	Ratio	Lower	Upper
330	100		
332	92.3	76.9	115.3
141	32.1	23.7	35.5

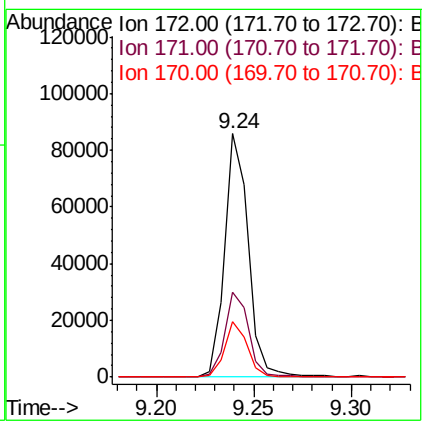


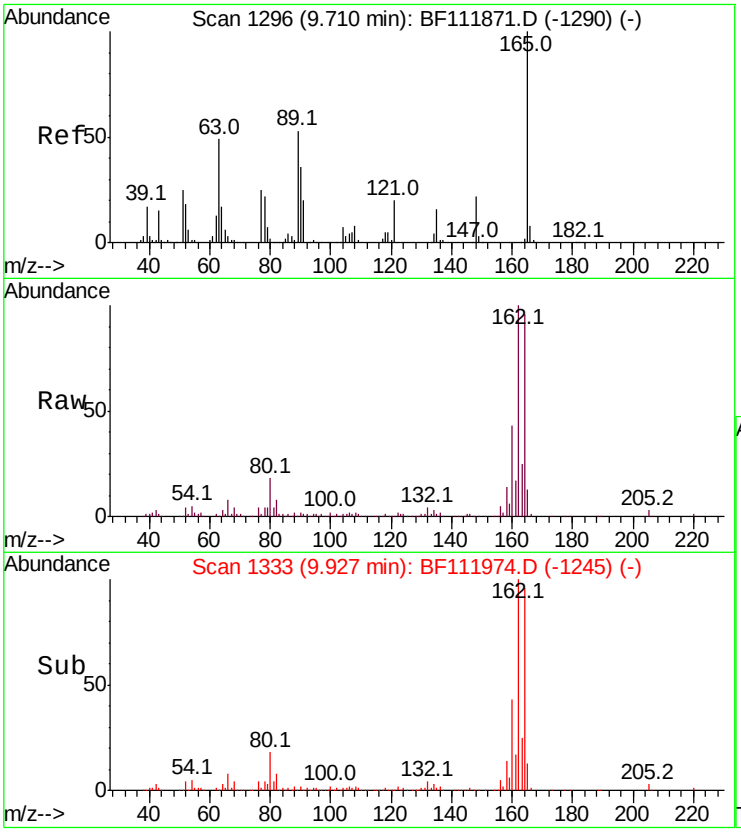


#45
2-Fluorobiphenyl
Concen: 6.499 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:172 Resp: 72389

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	22.7	19.8	29.8



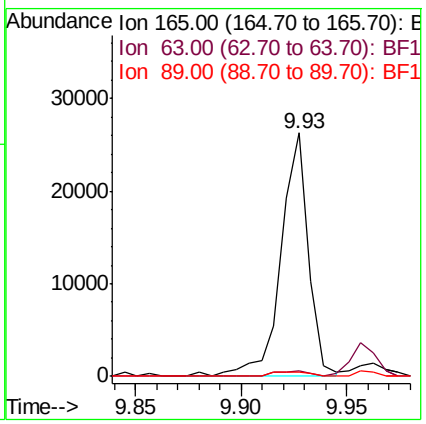


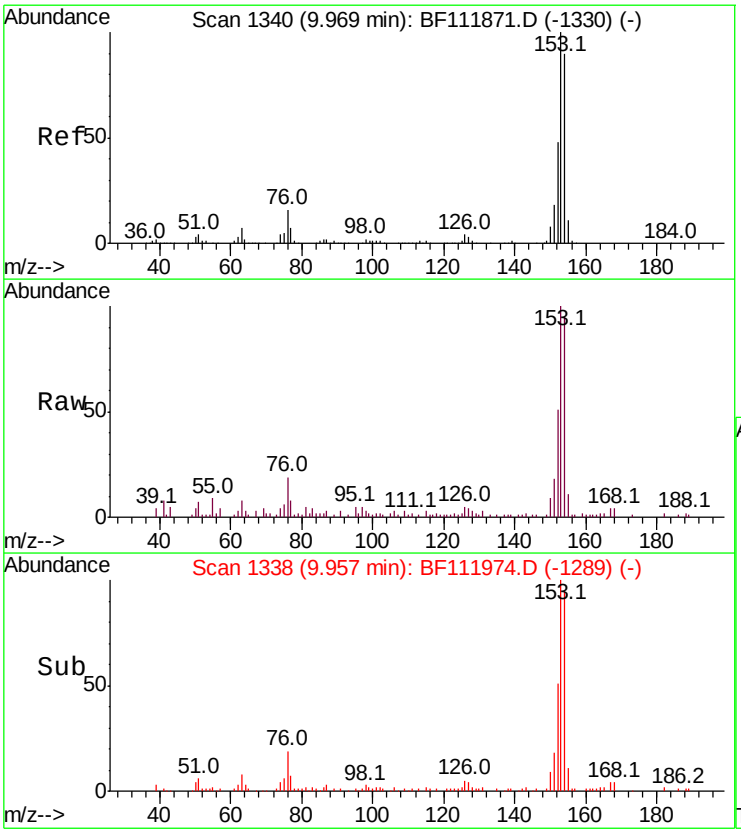
#51
2,6-Dinitrotoluene
Concen: 8.736 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 23835

Ion	Ratio	Lower	Upper
165	100		
63	2.0	46.2	69.2#
89	1.9	42.2	63.2#

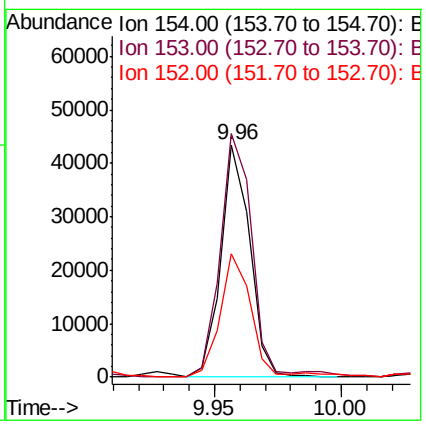


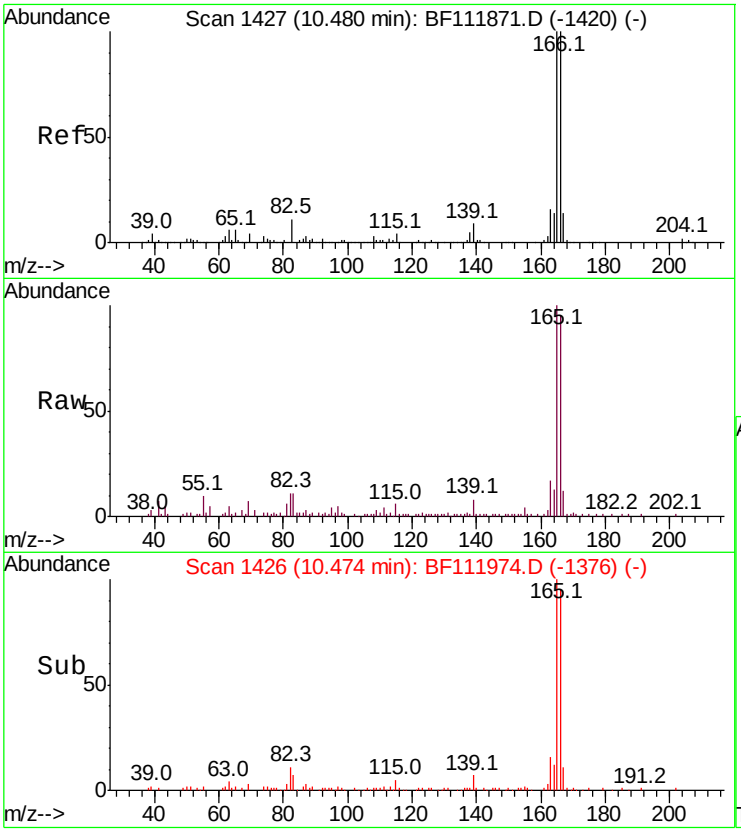


#52
Acenaphthene
Concen: 3.406 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:154 Resp: 34618

Ion	Ratio	Lower	Upper
154	100		
153	104.8	89.4	134.0
152	53.1	43.1	64.7



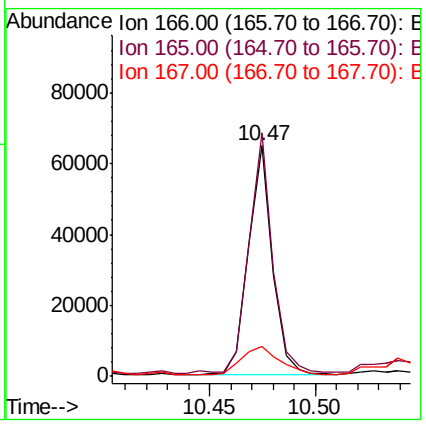


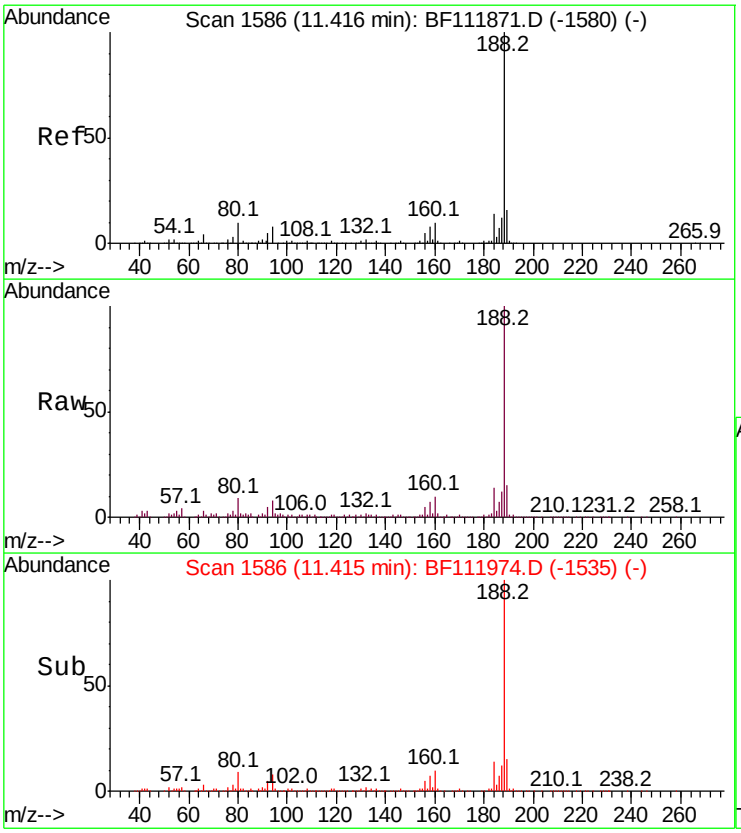
#58
Fluorene
Concen: 4.781 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 51420

Ion	Ratio	Lower	Upper
166	100		
165	105.6	79.7	119.5
167	13.0	11.1	16.7

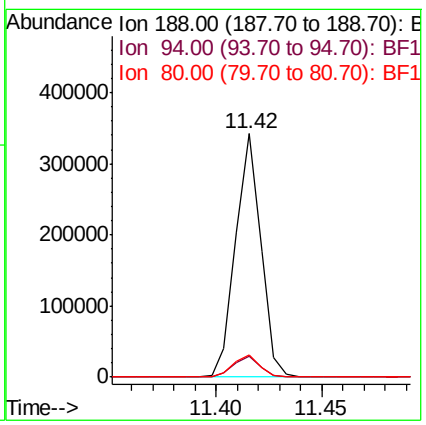


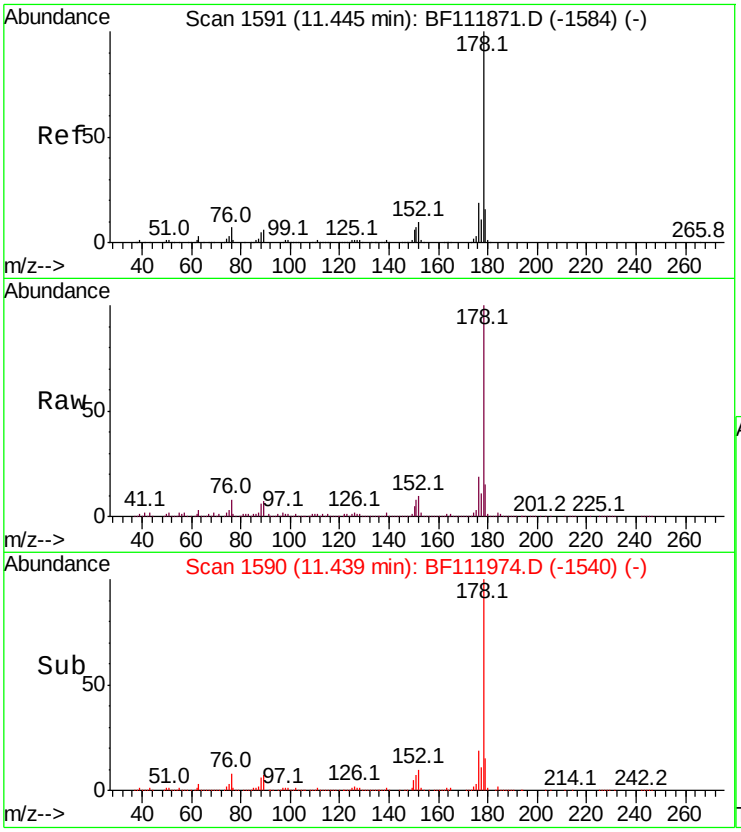


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:188 Resp: 282848

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.0	7.7	11.5



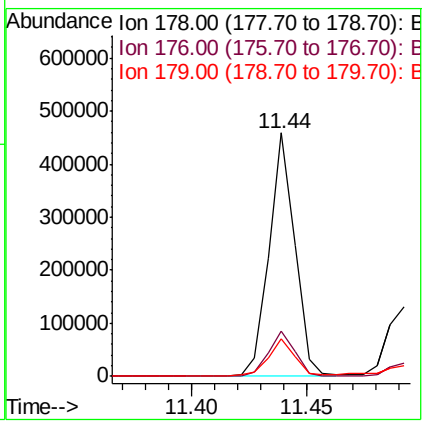


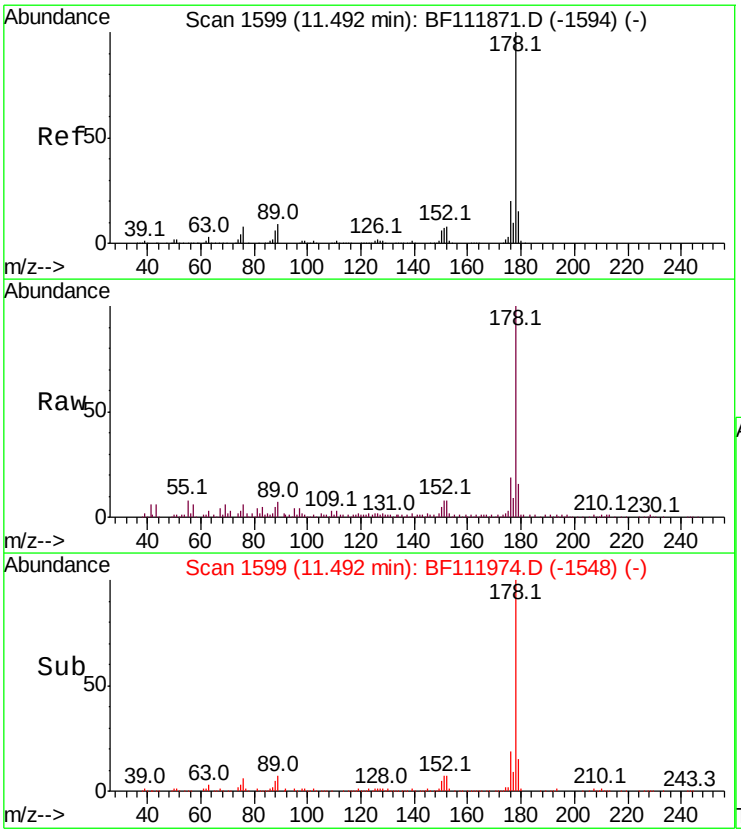
#71
Phenanthrene
Concen: 23.449 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 354612

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.4	12.6	18.8

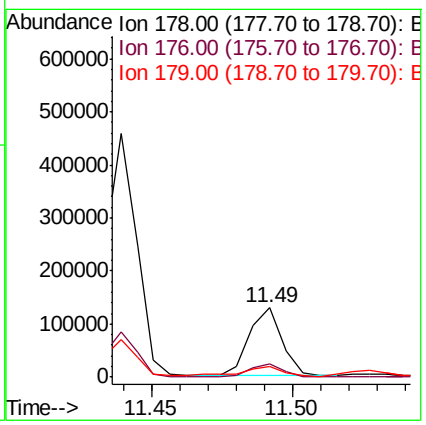


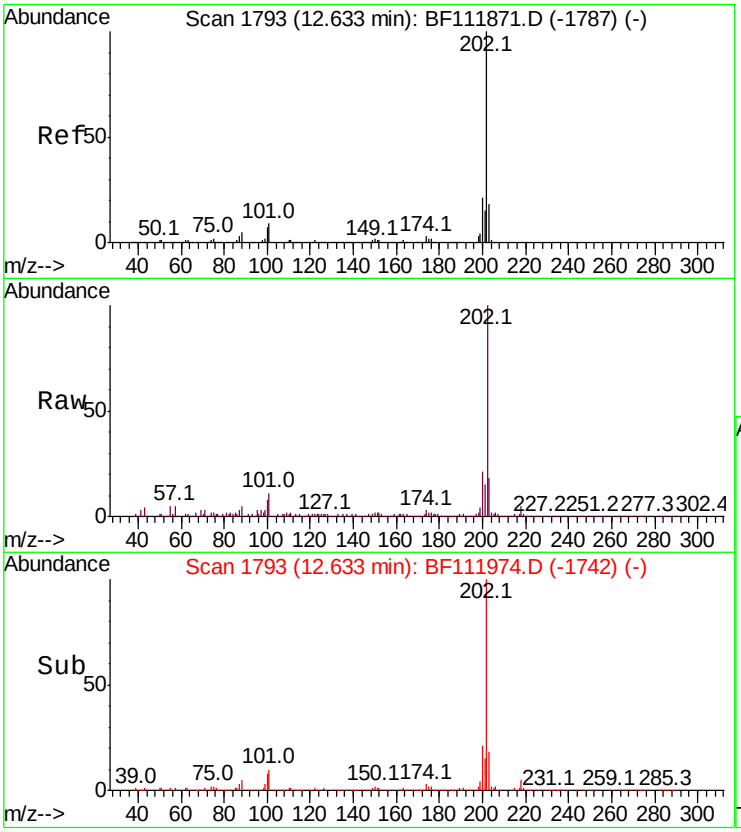


#72
Anthracene
Concen: 6.817 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:178 Resp: 104649

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.8	12.4	18.6



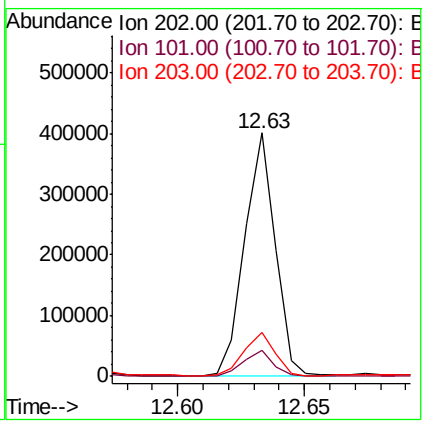


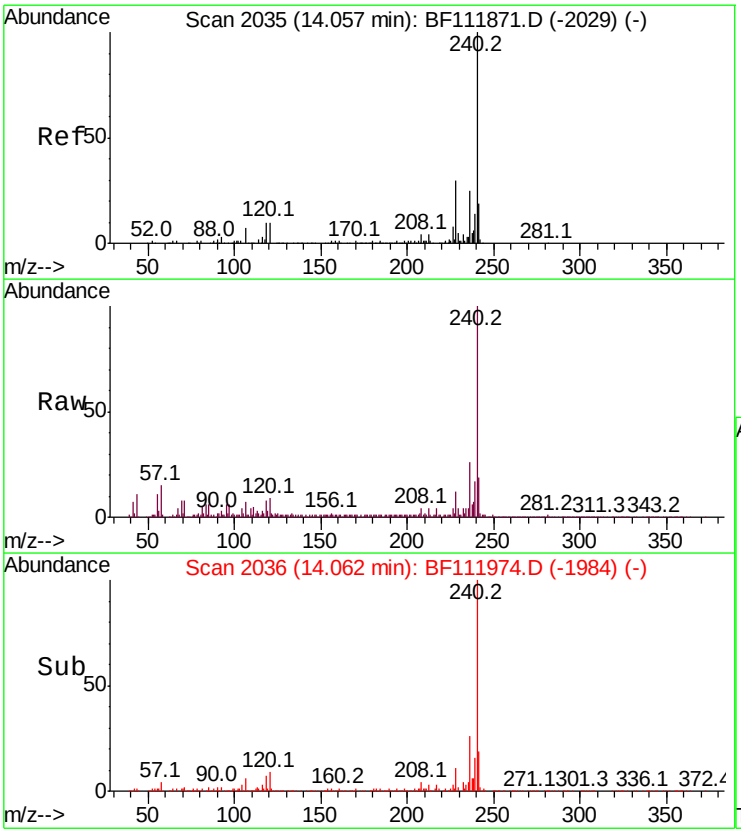
#75
Fluoranthene
Concen: 21.652 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.00 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 336144

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	29.3
203	18.1	0.0	37.6

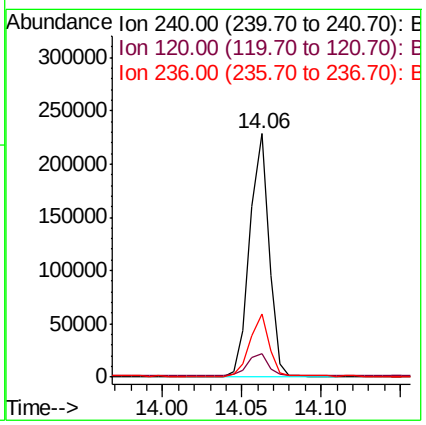


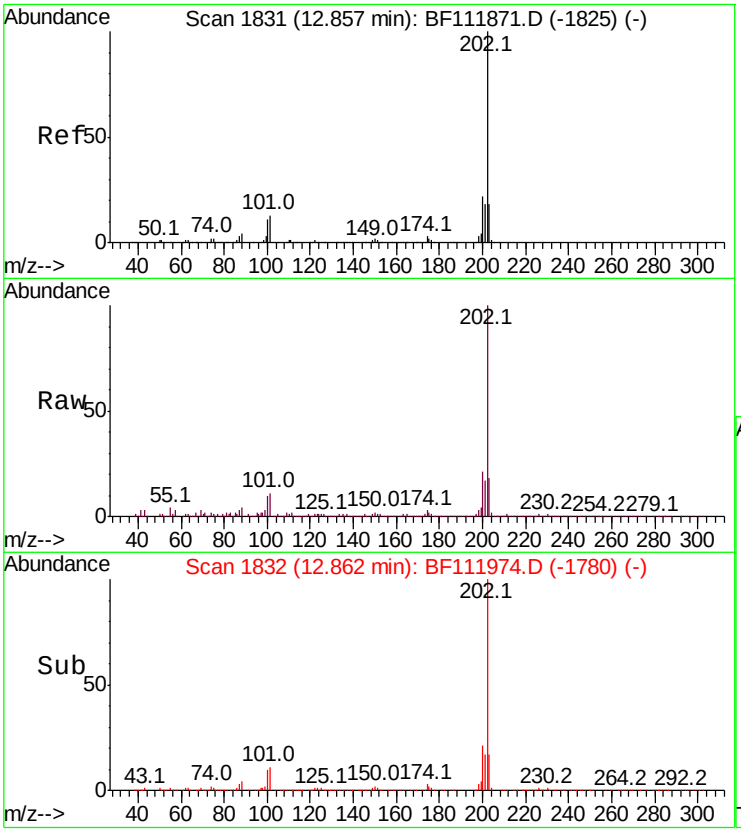


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:240 Resp: 193151

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.9	20.2	30.4



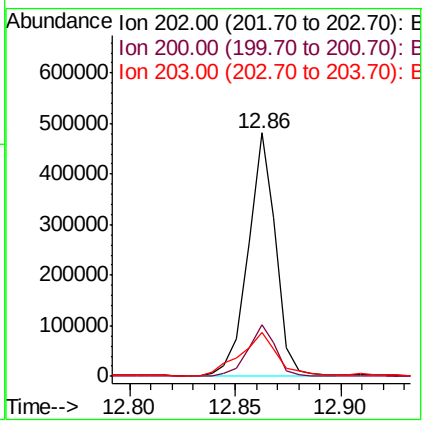


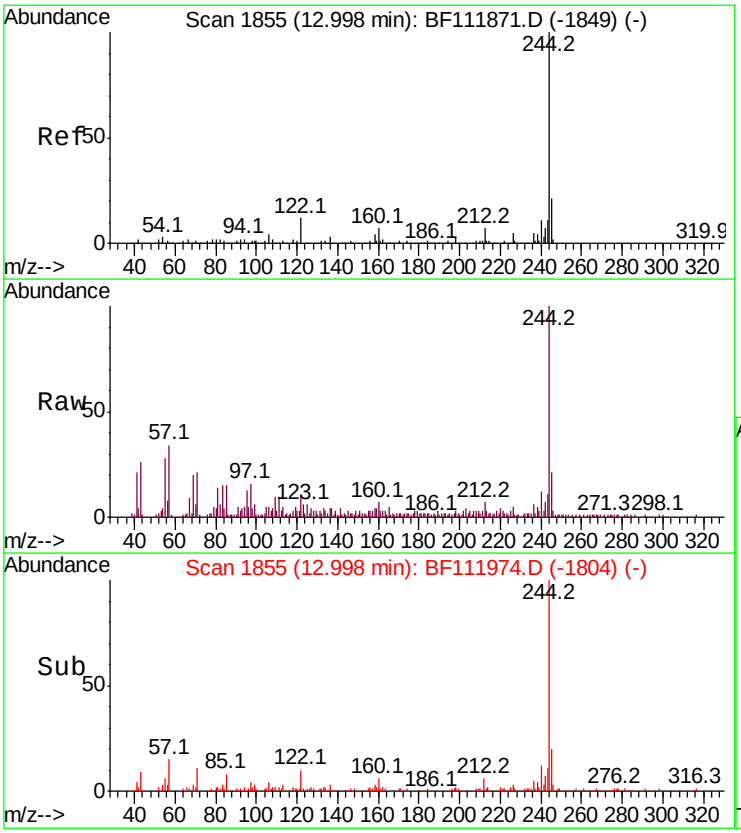
#78
Pyrene
Concen: 32.615 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 433453

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.6	21.8

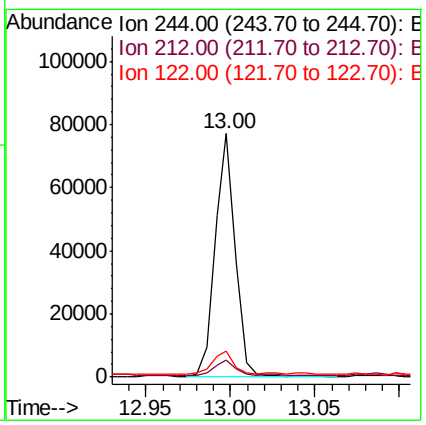


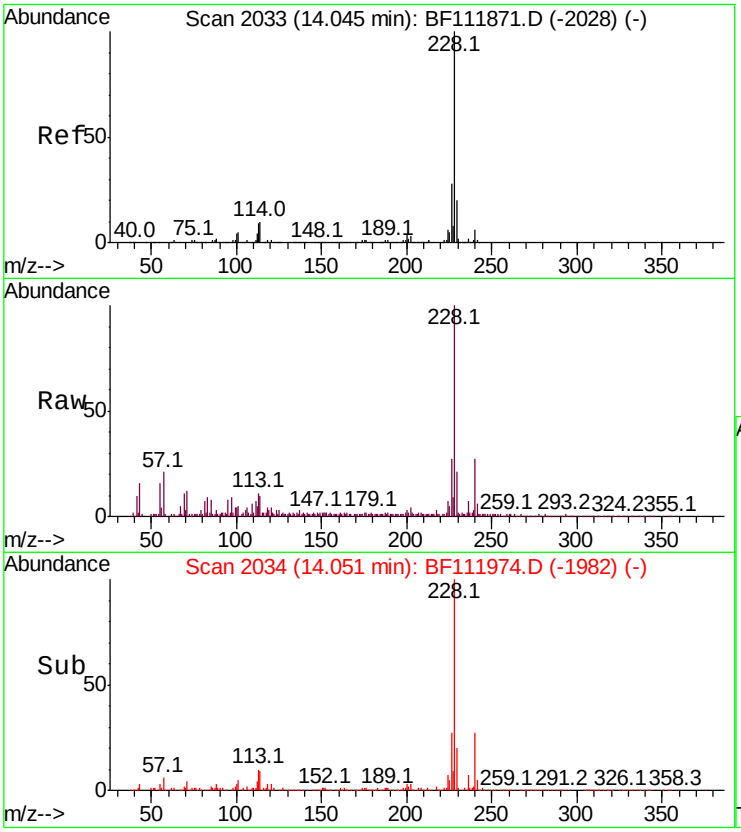


#79
Terphenyl-d14
Concen: 6.339 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:244 Resp: 64499

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.6	9.5	14.3



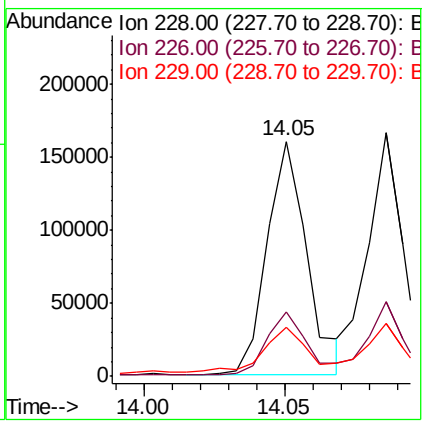


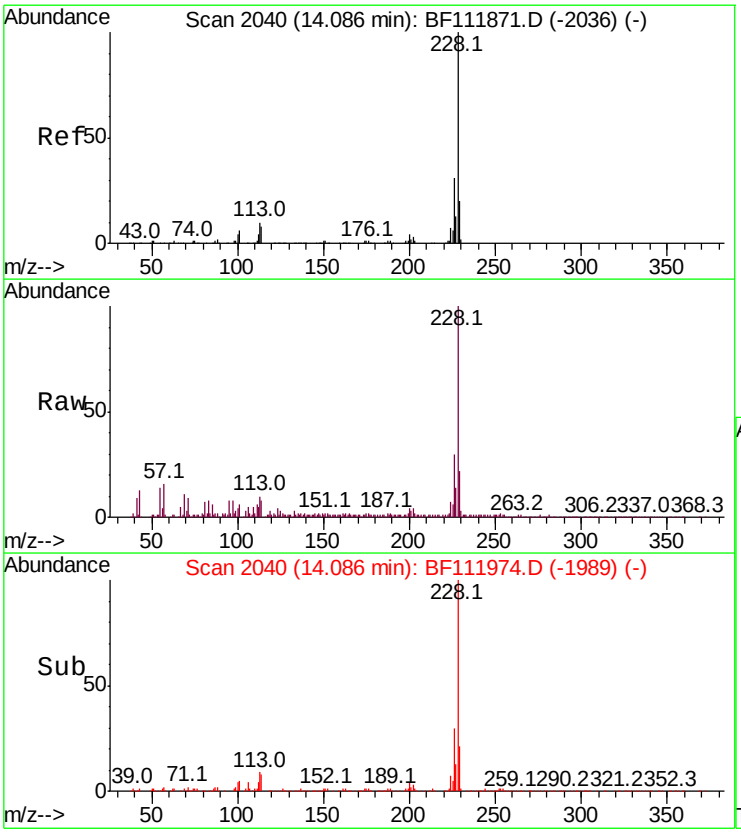
#81
Benzo(a)anthracene
Concen: 14.067 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 156370

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.9	16.2	24.2

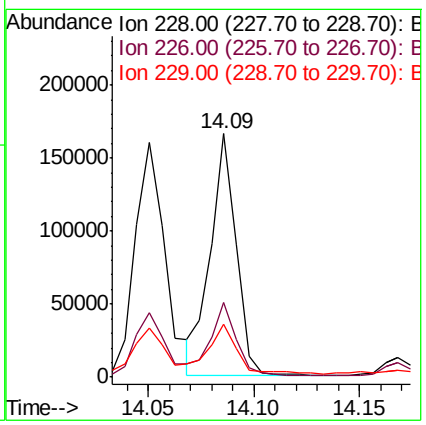


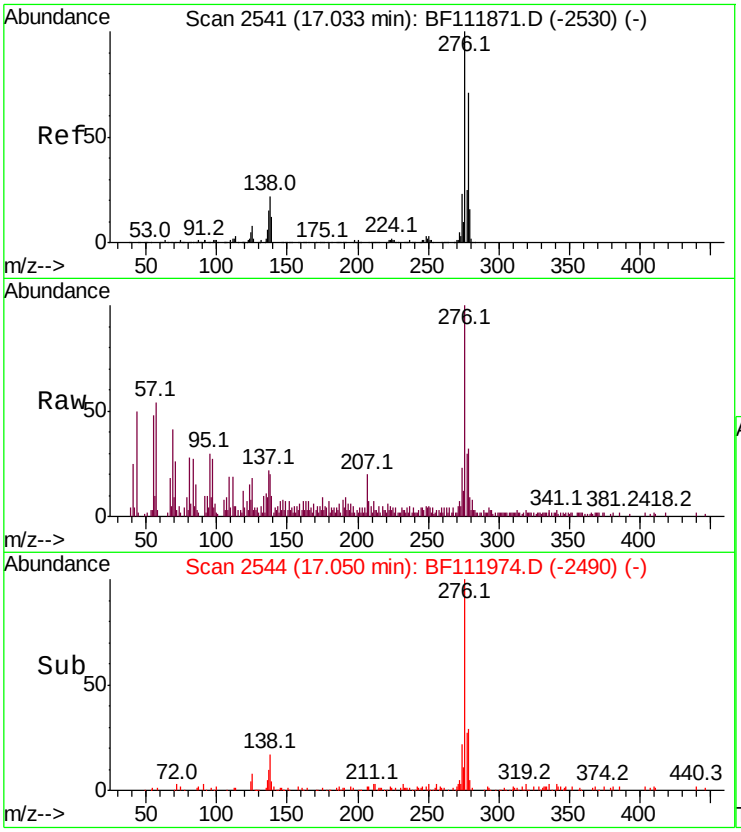


#83
Chrysene
Concen: 13.393 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:228 Resp: 141952

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	21.6	15.7	23.5



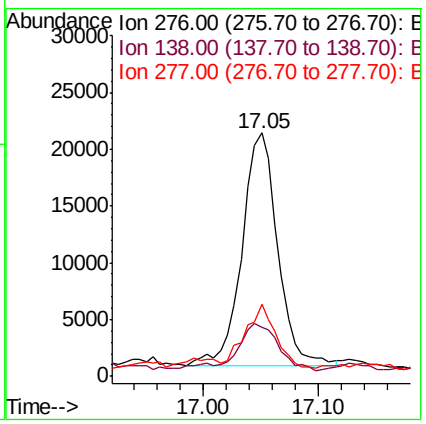


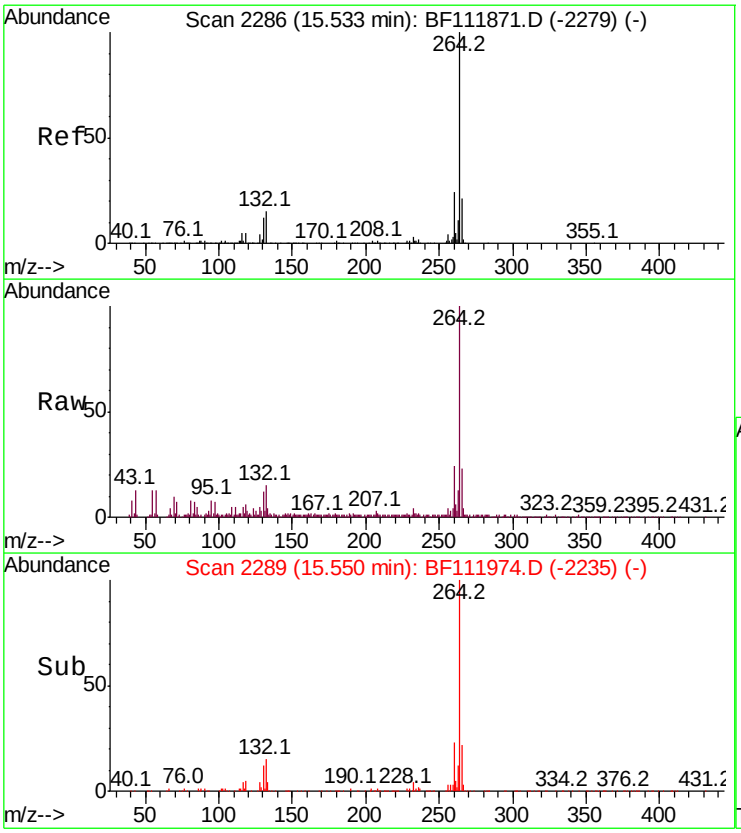
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.768 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 44573

Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.1	27.1
277	23.3	19.9	29.9

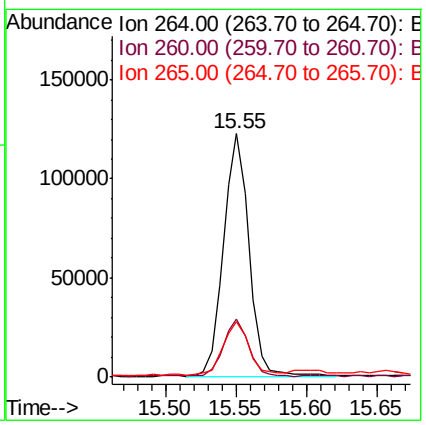


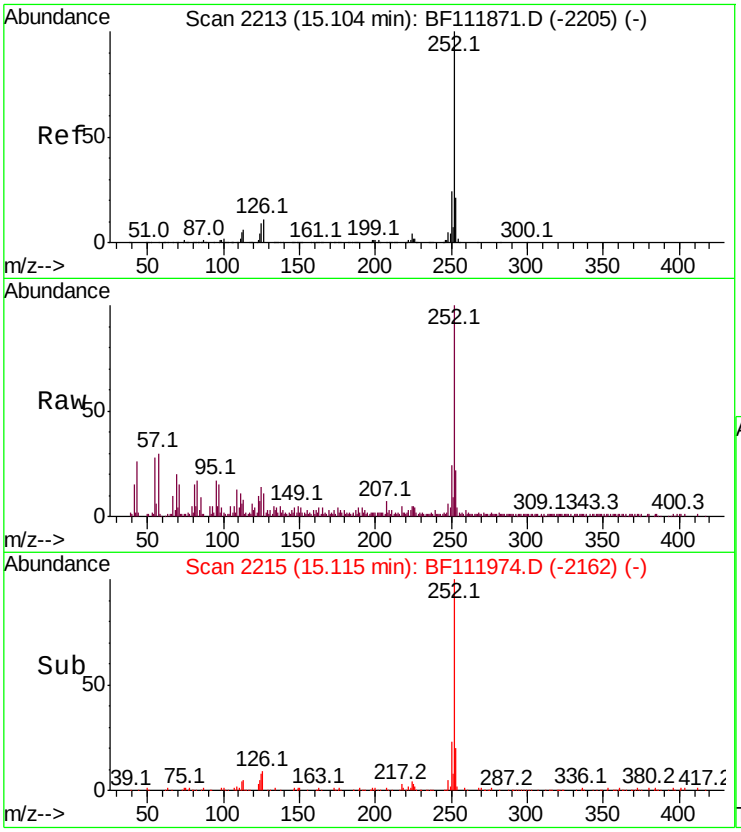


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:264 Resp: 152596

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.8	17.1	25.7



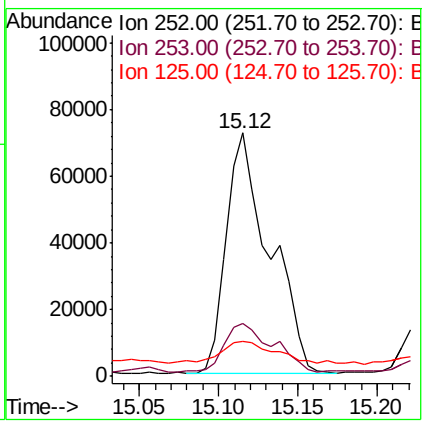


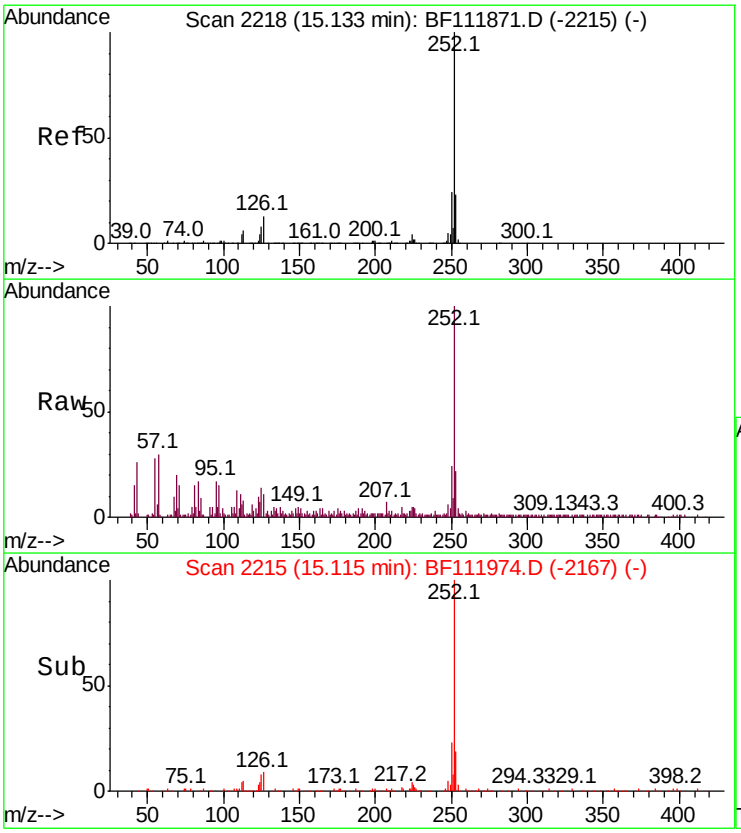
#88
Benzo(b)fluoranthene
Concen: 15.031 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 137205

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	14.4	7.1	10.7#

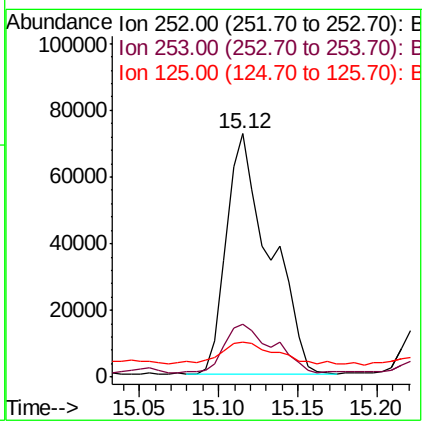


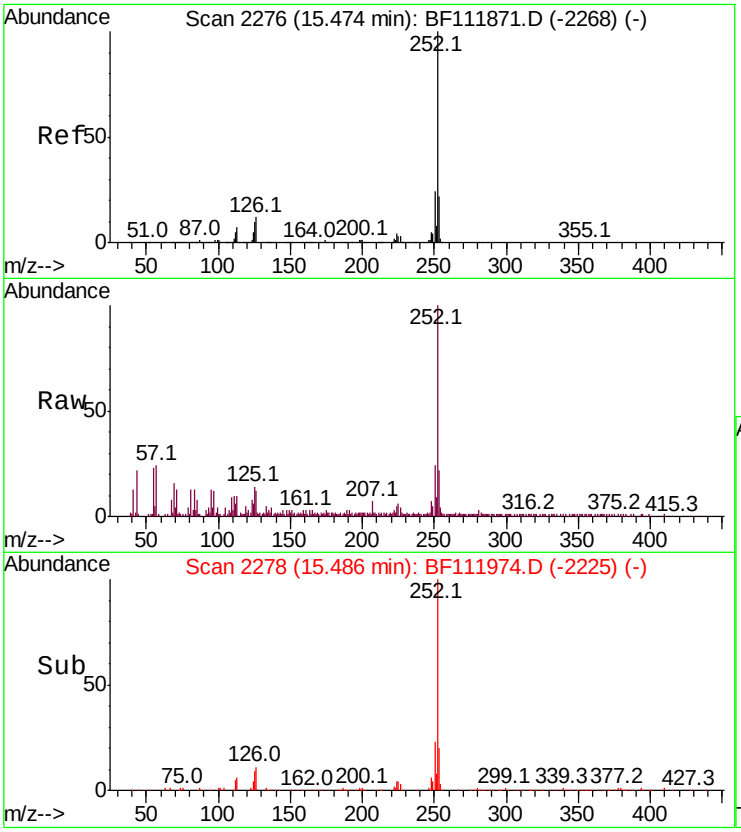


#89
Benzo(k)fluoranthene
Concen: 15.991 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:252 Resp: 137205

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	14.4	7.0	10.4#



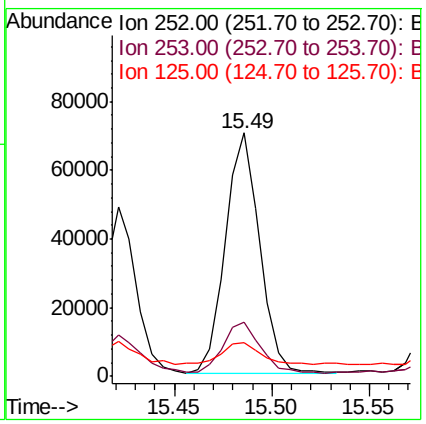


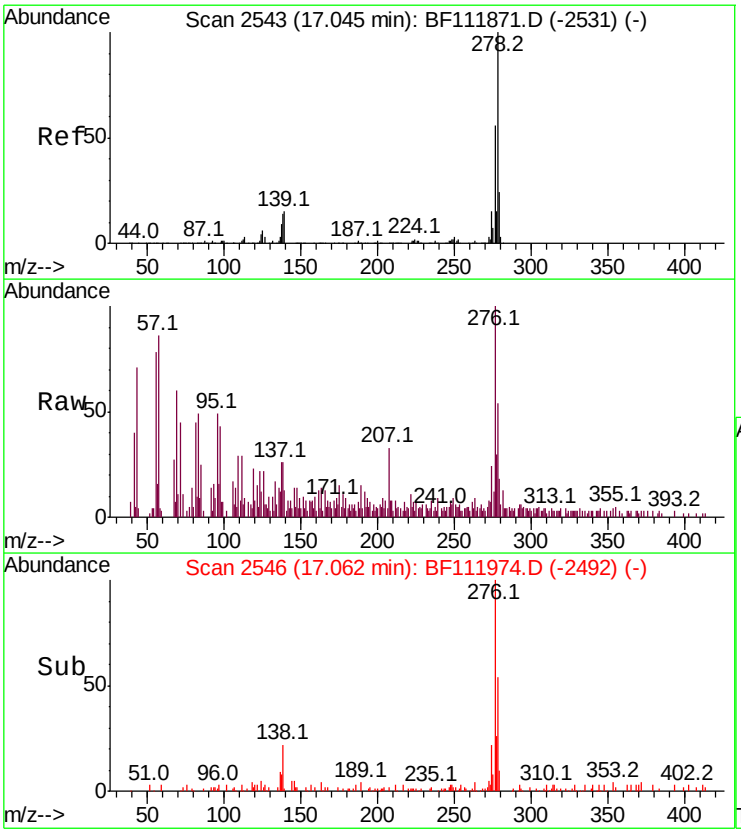
#90
Benzo(a)pyrene
Concen: 10.697 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 85858

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	14.0	7.9	11.9#

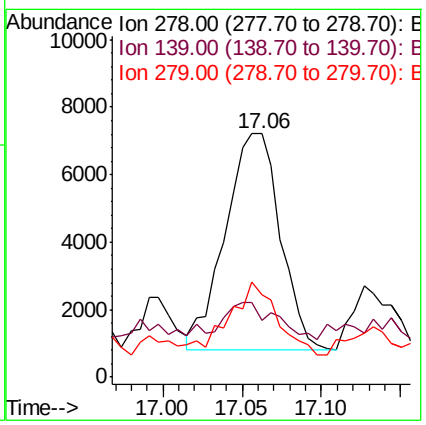


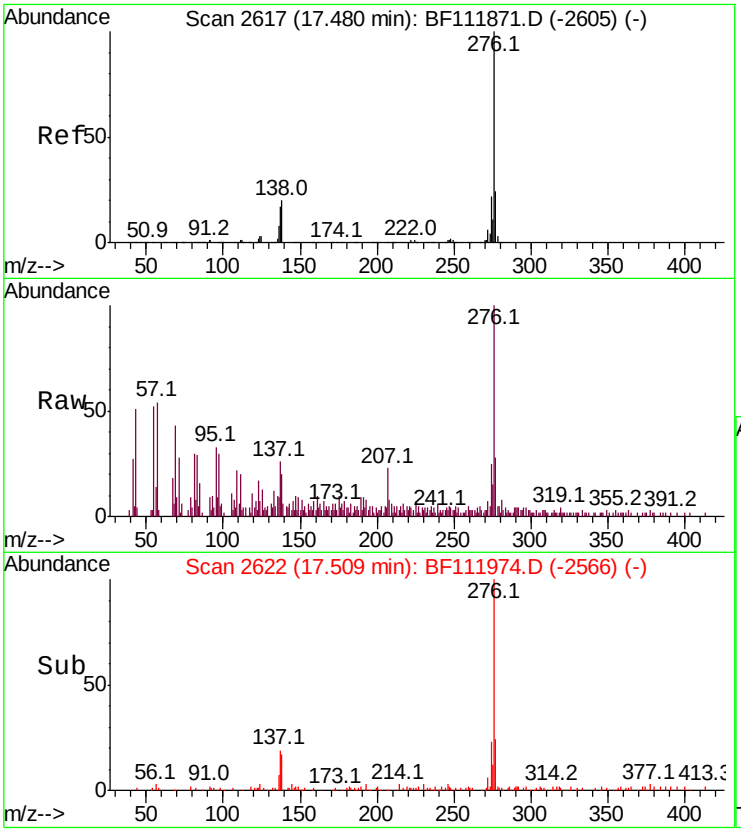


#91
Dibenzo(a,h)anthracene
Concen: 2.379 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:278 Resp: 15356

Ion	Ratio	Lower	Upper
278	100		
139	23.3	11.8	17.6#
279	33.8	19.4	29.2#





#92
Benzo(g,h,i)perylene
Concen: 7.140 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.03 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 45082

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.0	28.6
138	20.3	16.2	24.2