Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114252.D
Acq On : 14 May 2019 9:49
Operator : JU/SJ
Sample : K2764-11DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 14 11:55:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	237621	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	923421	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	433617	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	844109	20.00	ng	0.01
76) Chrysene-d12	14.03	240	547735	20.00	ng	0.00
87) Perylene-d12	15.53	264	596977	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	343909	23.29	ng	0.00
7) Phenol-d6	6.50	99	472027	27.03	ng	0.00
23) Nitrobenzene-d5	7.41	82	265357	16.13	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	97357	21.72	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	445014	15.52	ng	0.00
79) Terphenyl-d14	12.96	244	407799	15.35	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	116736	2.706	ng	97
49) Acenaphthylene	9.75	152	265202	6.185	ng	98
50) Dimethylphthalate	9.60	163	72299	2.271	ng	98
71) Phenanthrene	11.40	178	889343	21.656	ng	97
72) Anthracene	11.45	178	154623	3.749	ng	98
75) Fluoranthene	12.60	202	1422621	32.169	ng	99
78) Pyrene	12.83	202	2364741	53.668	ng	99
81) Benzo(a)anthracene	14.02	228	832379m	23.495	ng	
83) Chrysene	14.06	228	958899	27.611	ng	98
86) Indeno(1,2,3-cd)pyrene	17.01	276	378914	12.345	ng	96
88) Benzo(b)fluoranthene	15.10	252	931446m	24.354	ng	
89) Benzo(k)fluoranthene	15.11	252	315249m	8.973	ng	
90) Benzo(a)pyrene	15.46	252	590363	17.539	ng	99
91) Dibenzo(a,h)anthracene	17.02	278	104283m	3.728	ng	
92) Benzo(g,h,i)perylene	17.46	276	410645	14.650	ng	97

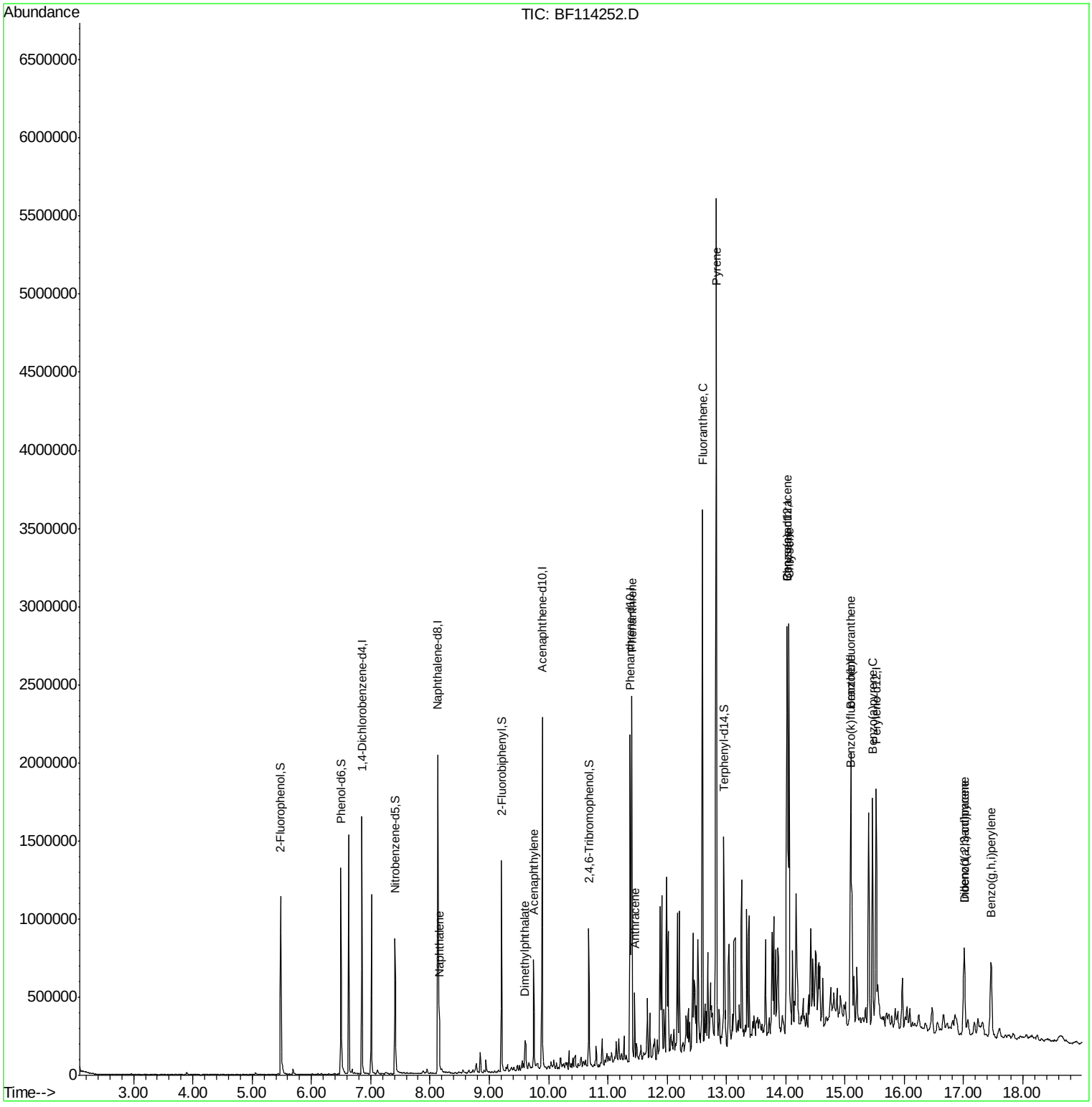
(#) = qualifier out of range (m) = manual integration (+) = signals summed

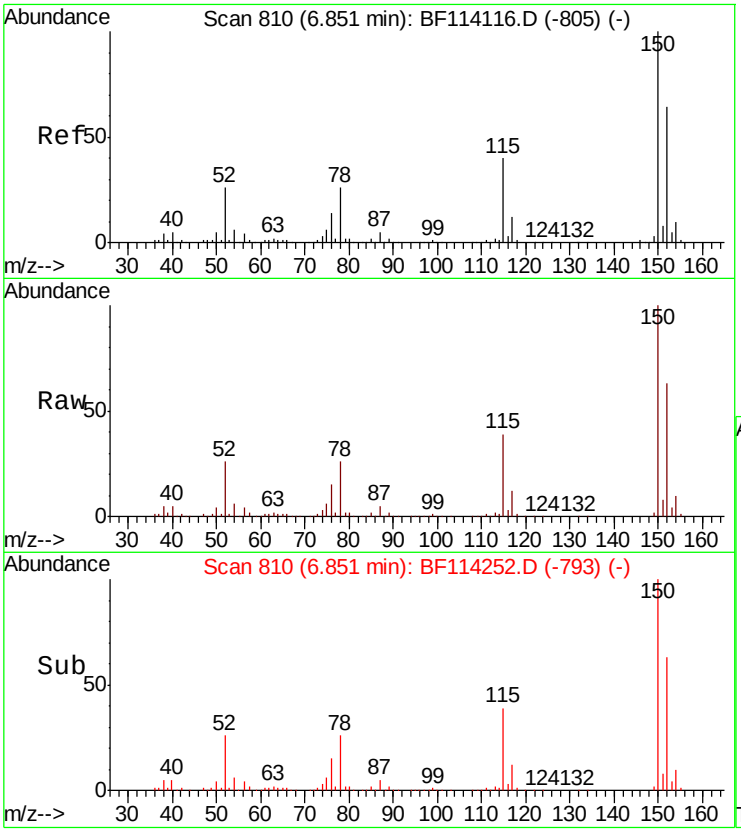
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114252.D
Acq On : 14 May 2019 9:49
Operator : JU/SJ
Sample : K2764-11DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 14 11:55:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



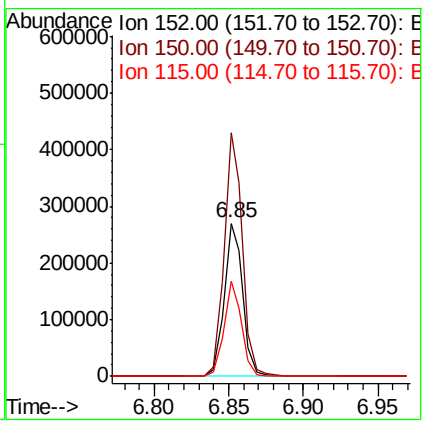


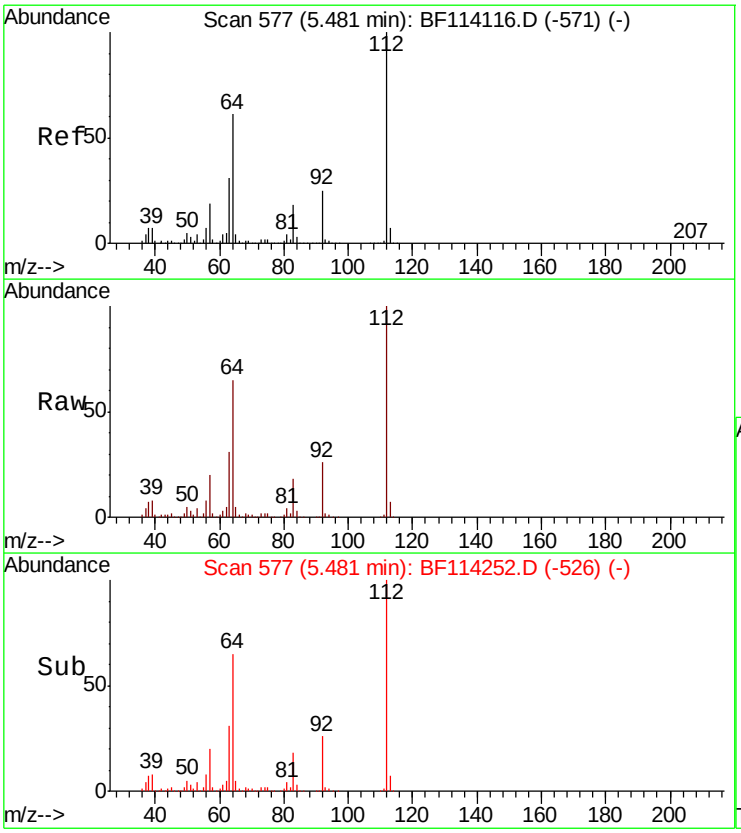
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 237621

Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.3	186.5
115	62.2	49.1	73.7

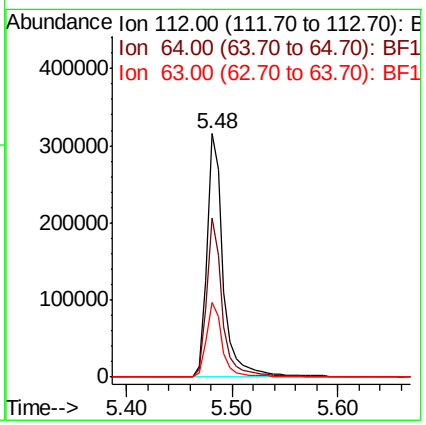


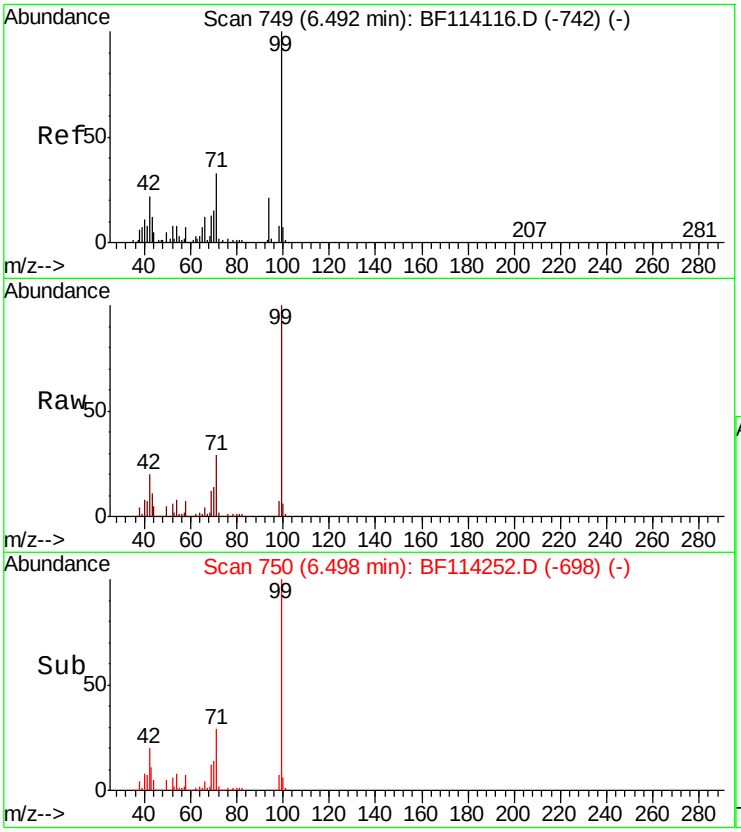


#5
2-Fluorophenol
Concen: 23.291 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:112 Resp: 343909

Ion	Ratio	Lower	Upper
112	100		
64	65.4	49.0	73.6
63	30.9	24.6	37.0



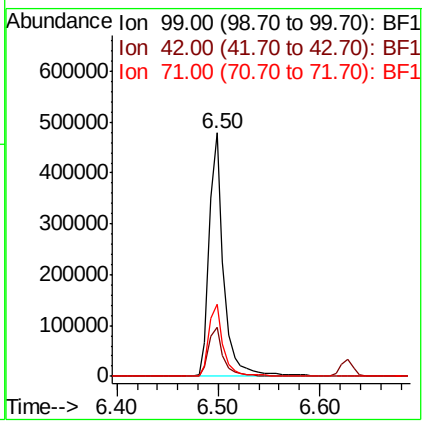


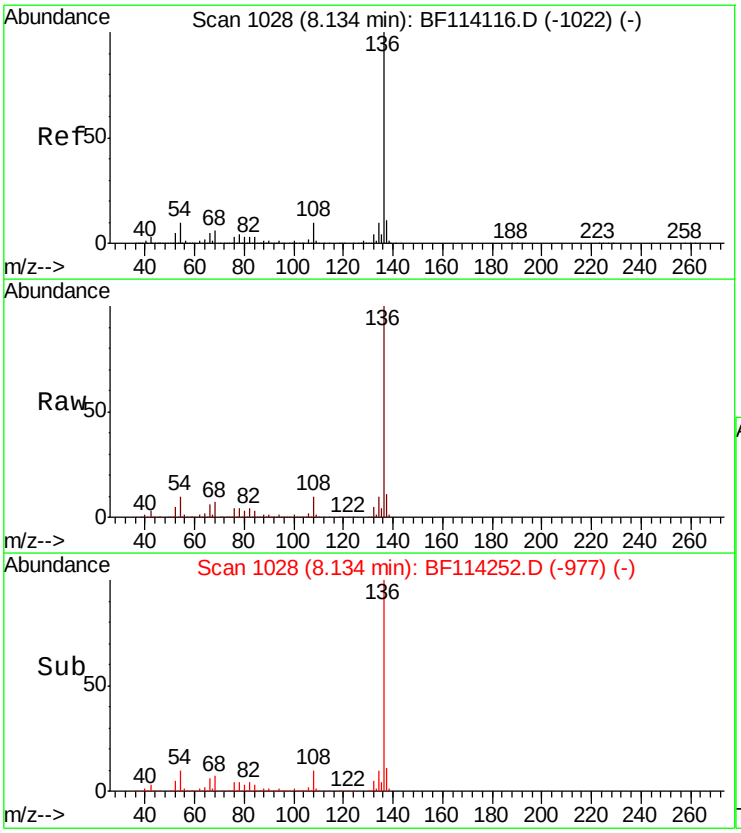
#7
Phenol-d6
Concen: 27.029 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 472027

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.9	26.9
71	29.5	26.2	39.2

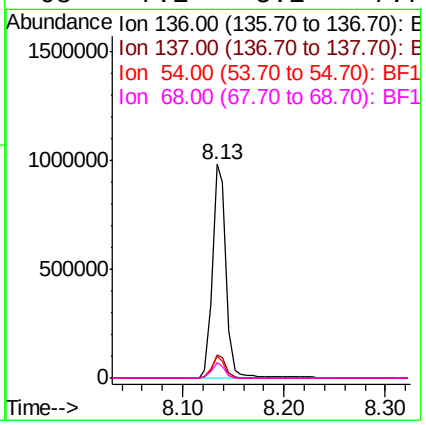


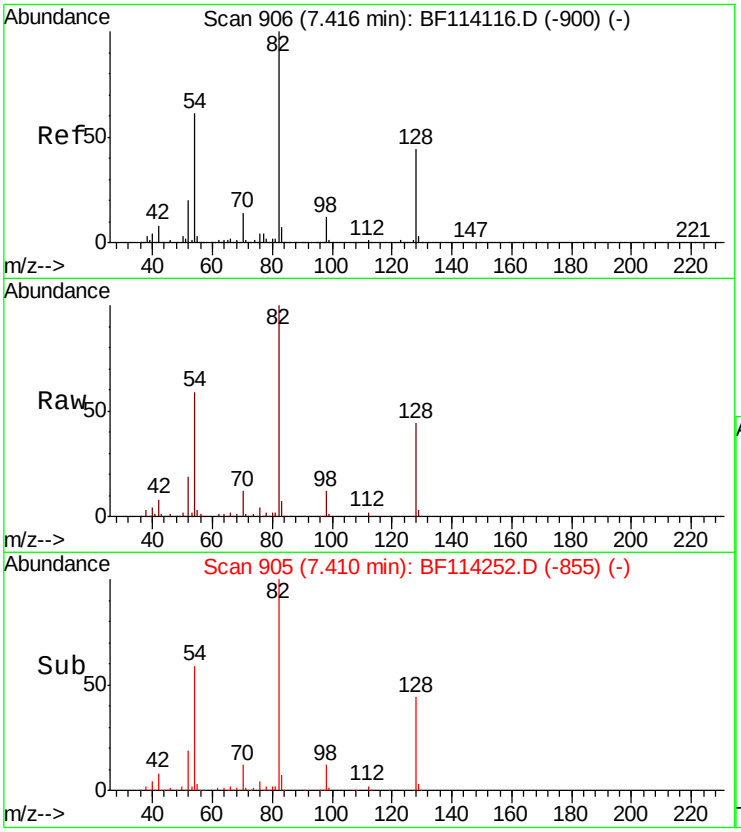


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:136 Resp: 923421

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.4	7.8	11.8
68	7.1	5.1	7.7



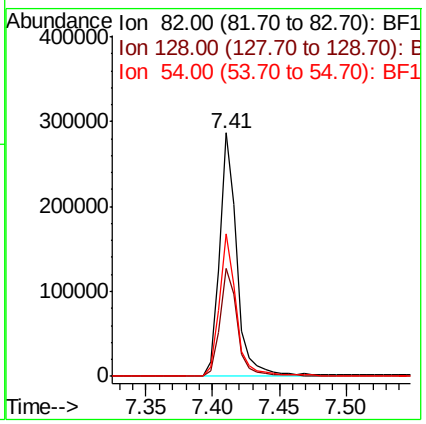


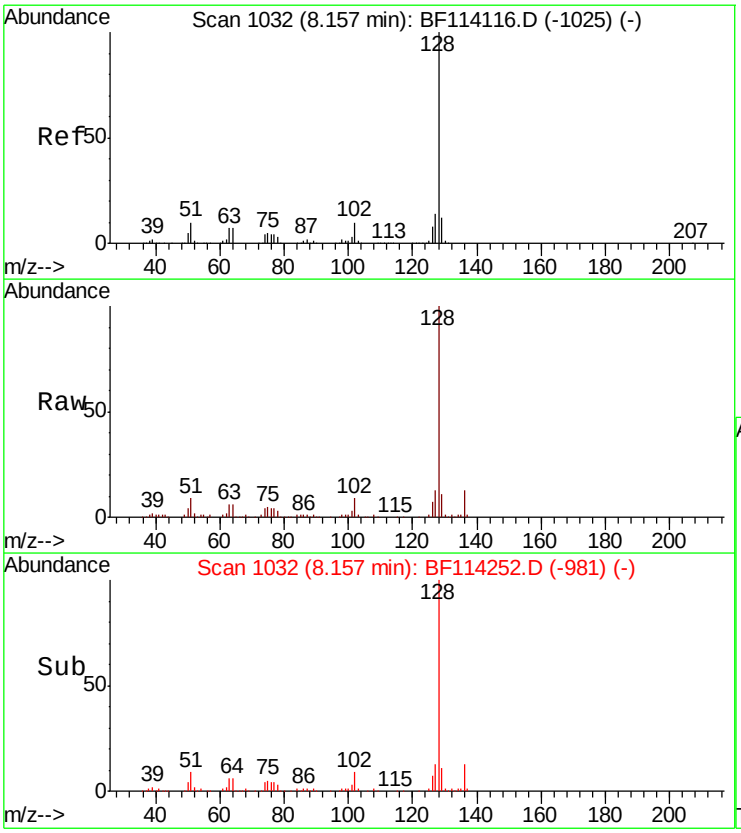
#23
Nitrobenzene-d5
Concen: 16.127 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 265357

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.5	53.3
54	58.8	48.5	72.7

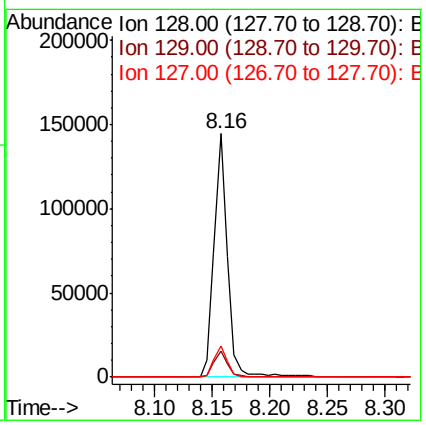


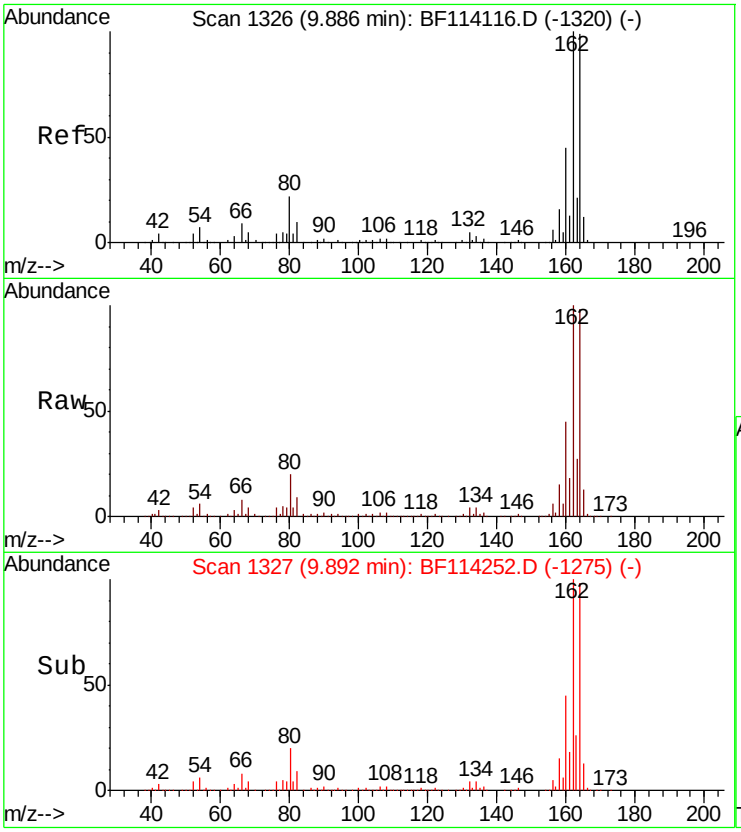


#31
Naphthalene
Concen: 2.706 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:128 Resp: 116736

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.6	14.4
127	13.0	11.3	16.9



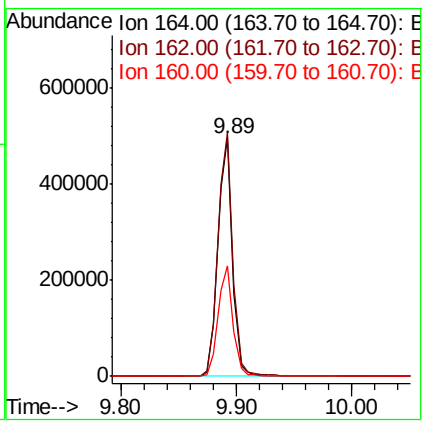


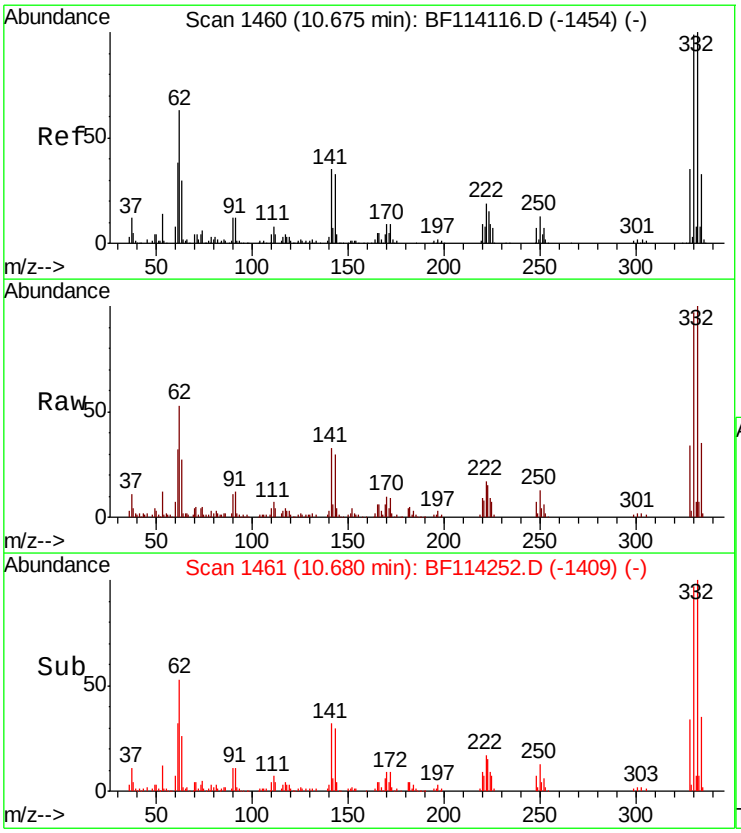
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 433617

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	46.2	36.5	54.7

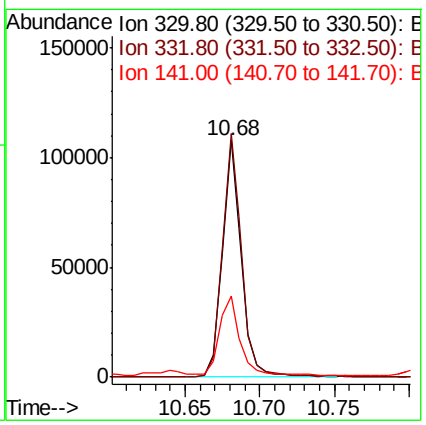


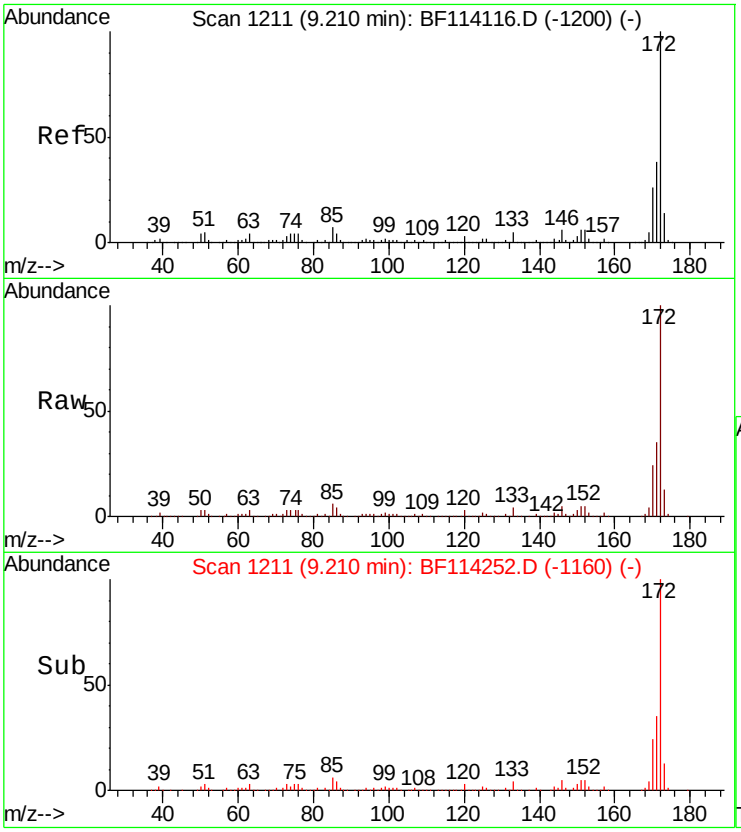


#42
2,4,6-Tribromophenol
Concen: 21.718 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:330 Resp: 97357

Ion	Ratio	Lower	Upper
330	100		
332	104.1	81.4	122.2
141	37.7	26.6	40.0



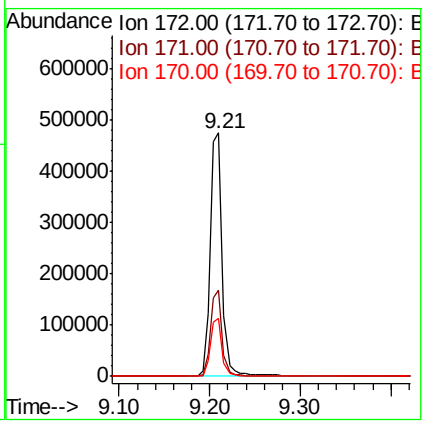


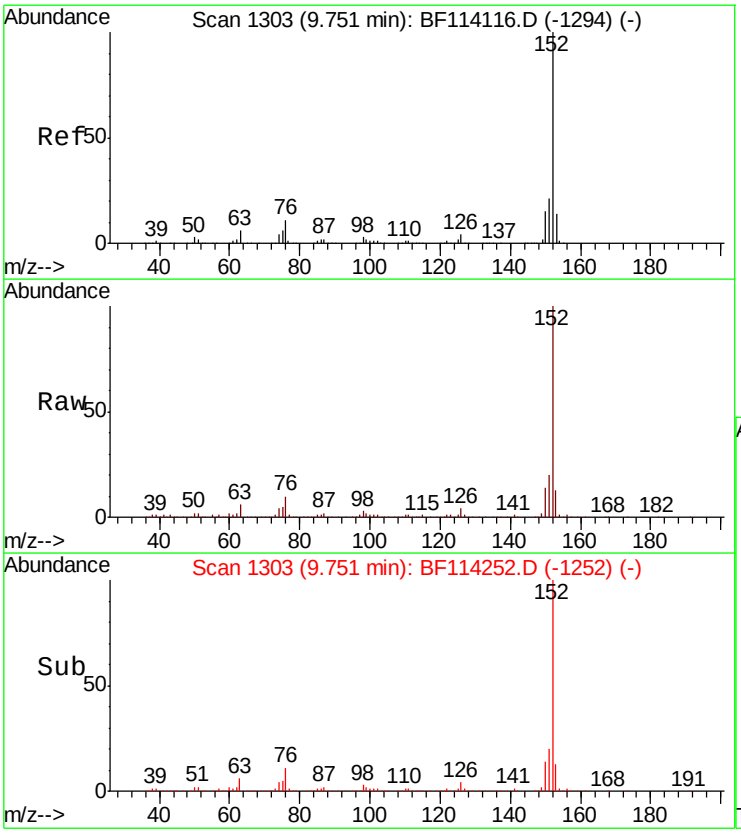
#45
2-Fluorobiphenyl
Concen: 15.524 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 445014

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.7	46.1
170	23.6	20.5	30.7

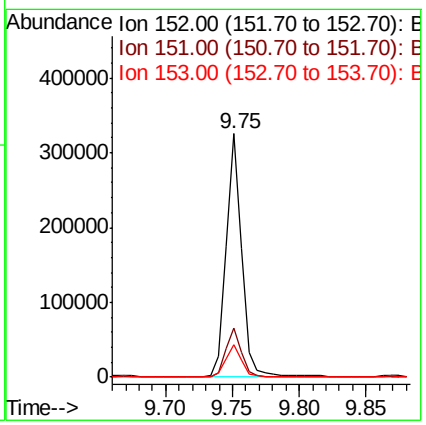


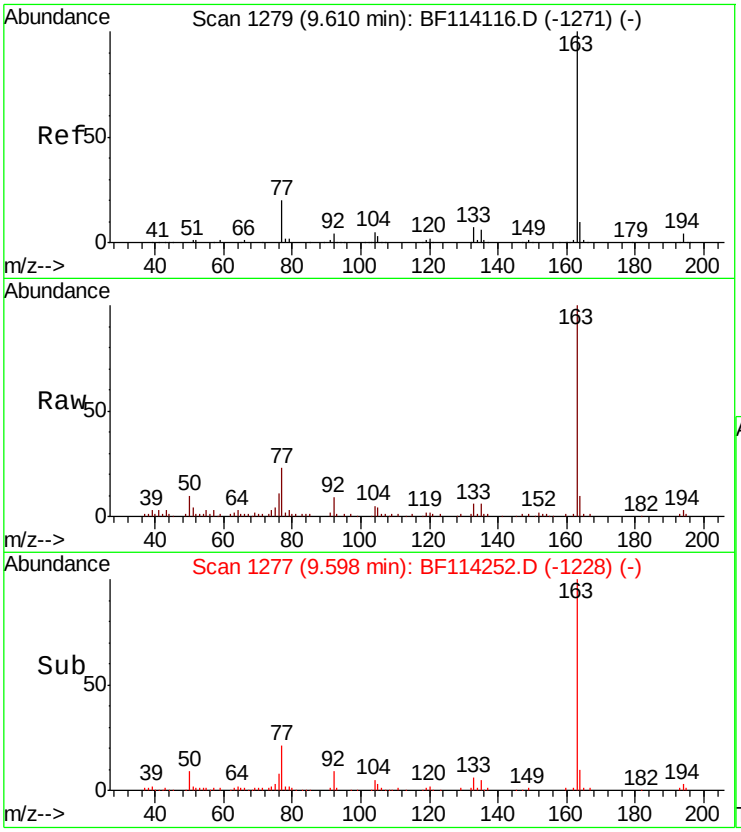


#49
Acenaphthylene
Concen: 6.185 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:152 Resp: 265202

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.4	11.4	17.2



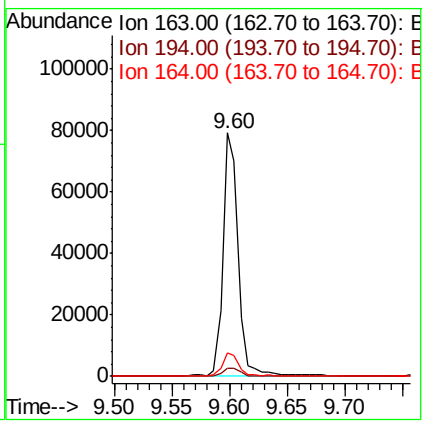


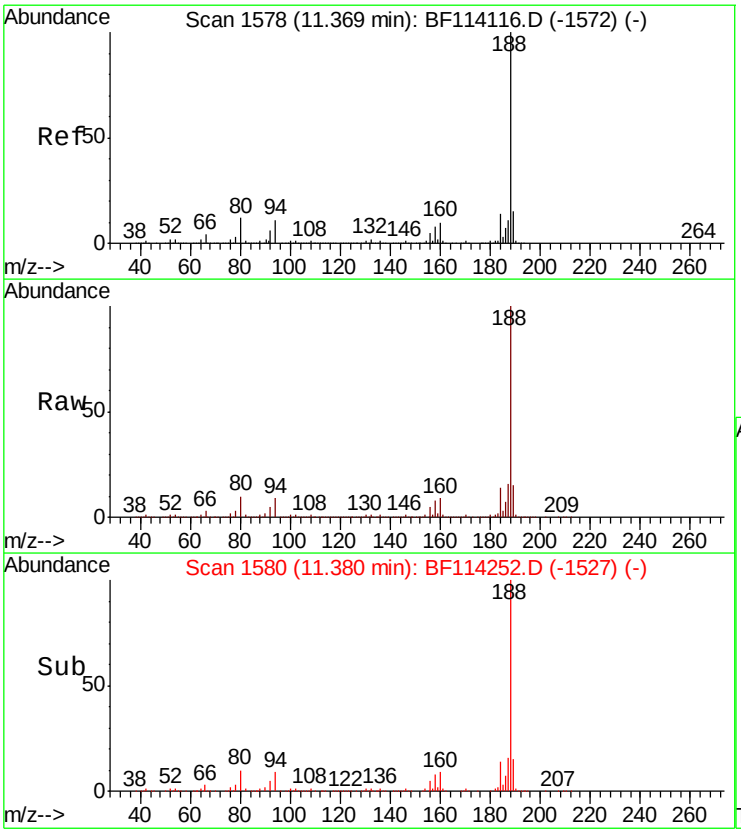
#50
Dimethylphthalate
Concen: 2.271 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 72299

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.4	5.0
164	9.6	8.2	12.2

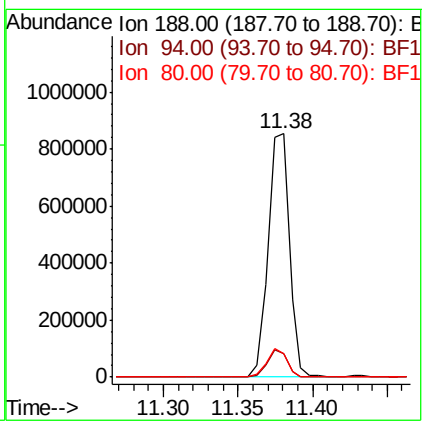


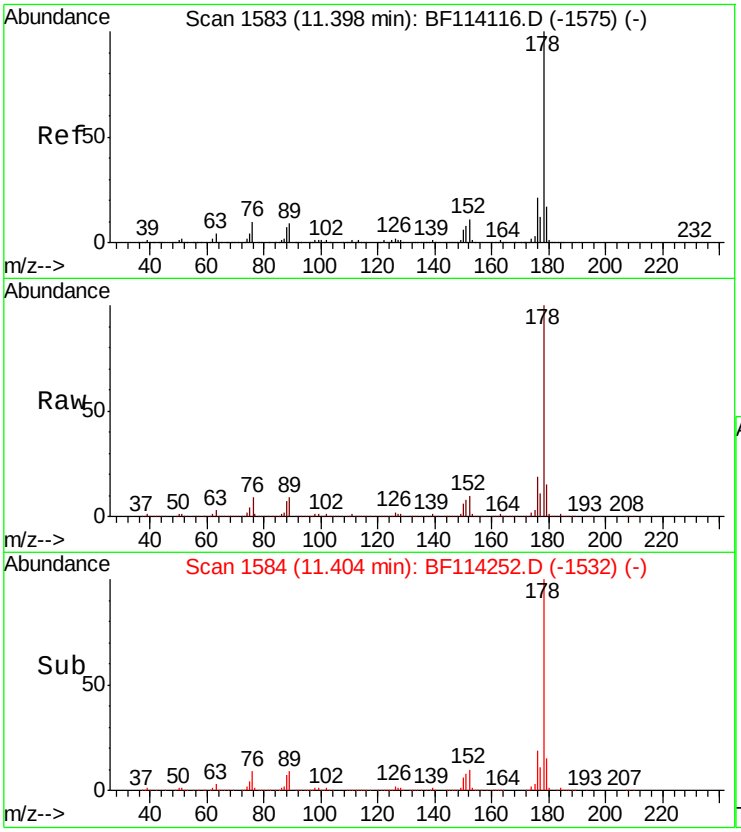


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:188 Resp: 844109

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.4	12.6
80	9.7	9.2	13.8



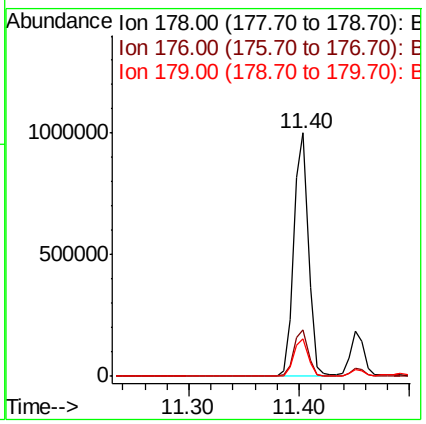


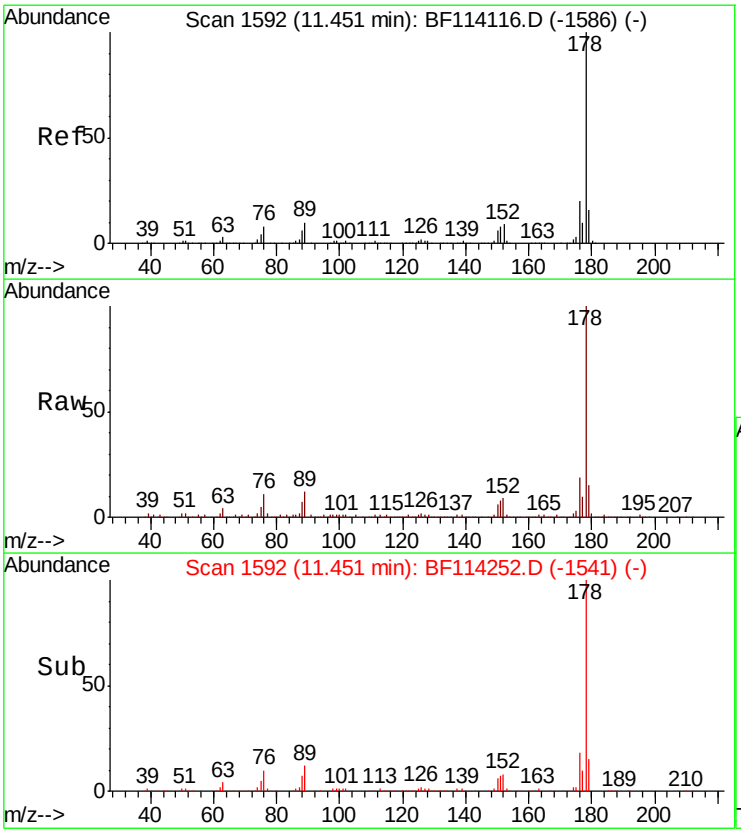
#71
Phenanthrene
Concen: 21.656 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 889343

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.2	13.2	19.8

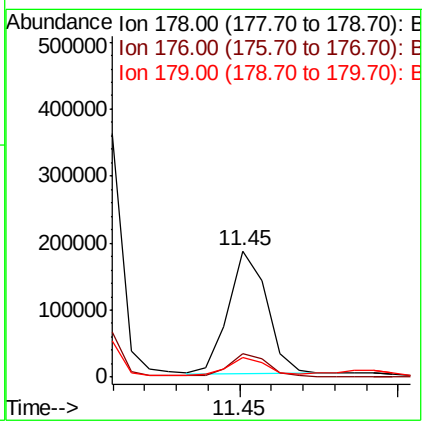


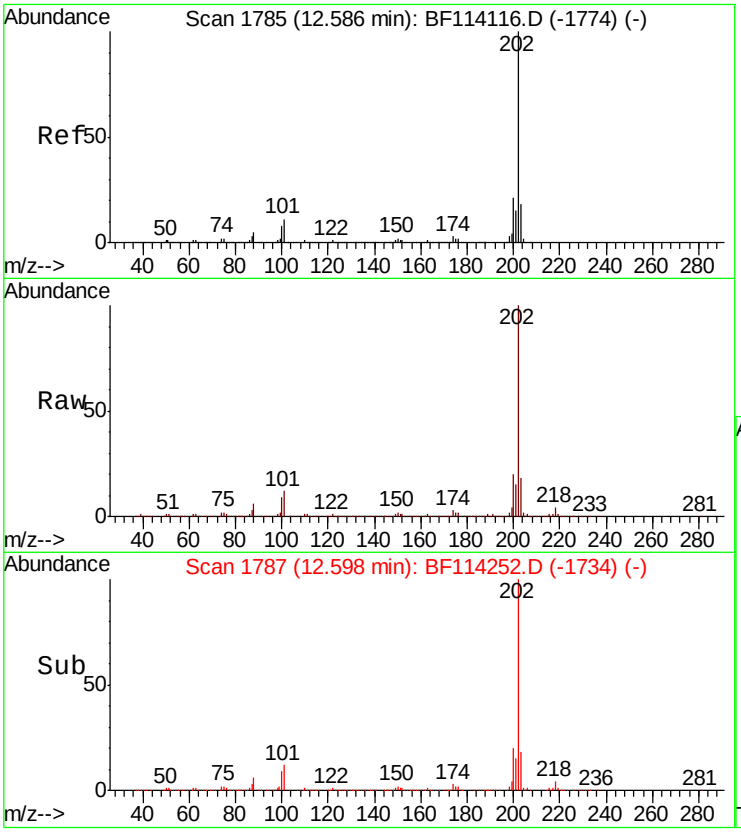


#72
Anthracene
Concen: 3.749 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:178 Resp: 154623

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.3	13.0	19.4



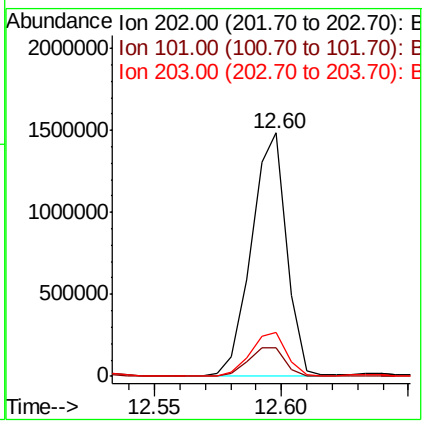


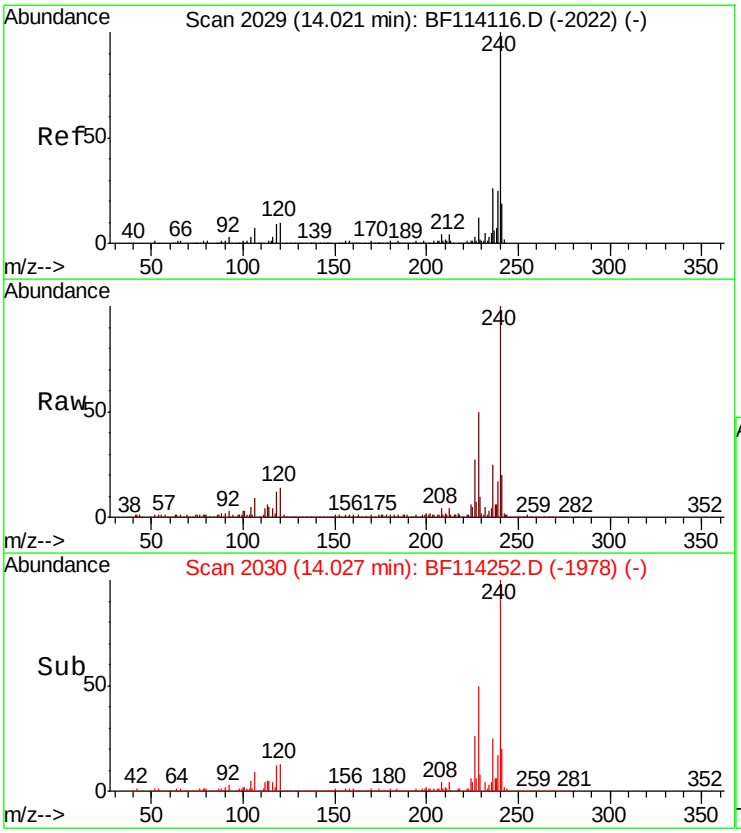
#75
Fluoranthene
Concen: 32.169 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1422621

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.0
203	18.1	0.0	38.4

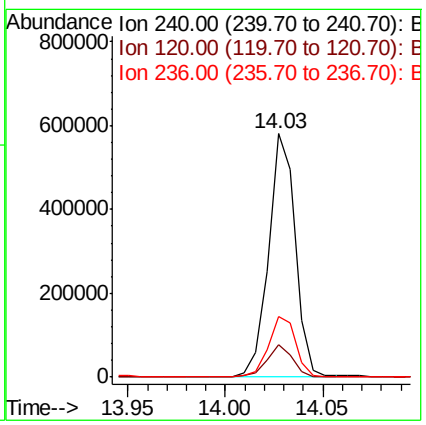


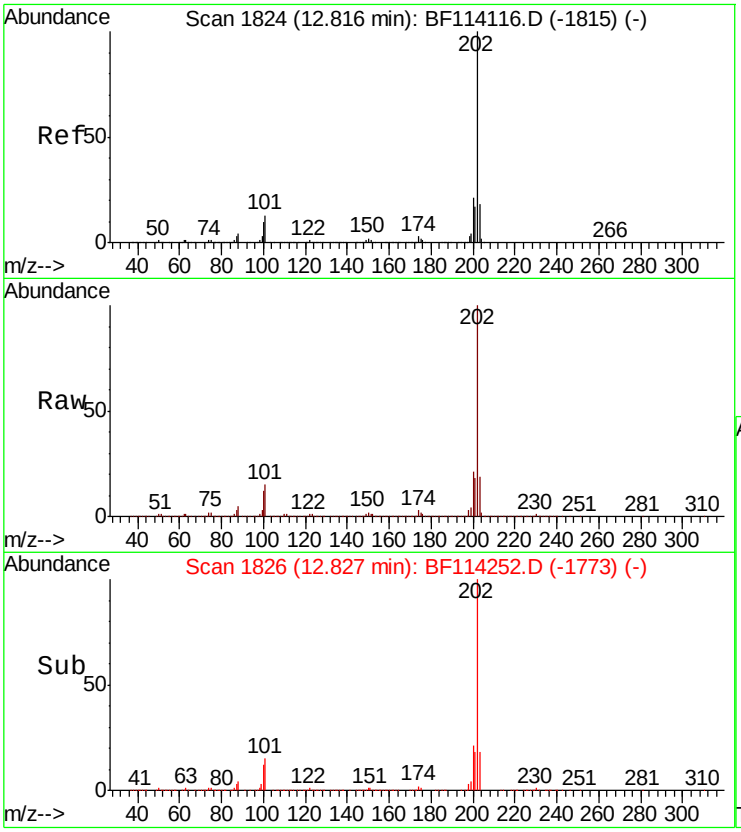


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:240 Resp: 547735

Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.3	12.5#
236	25.0	20.8	31.2



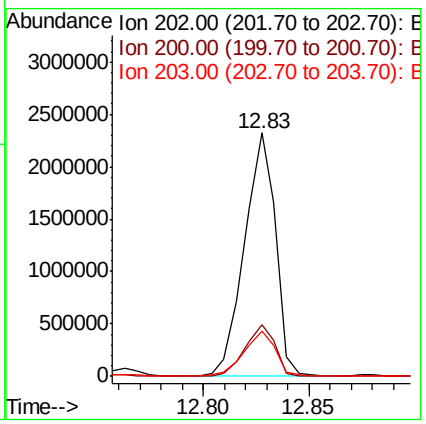


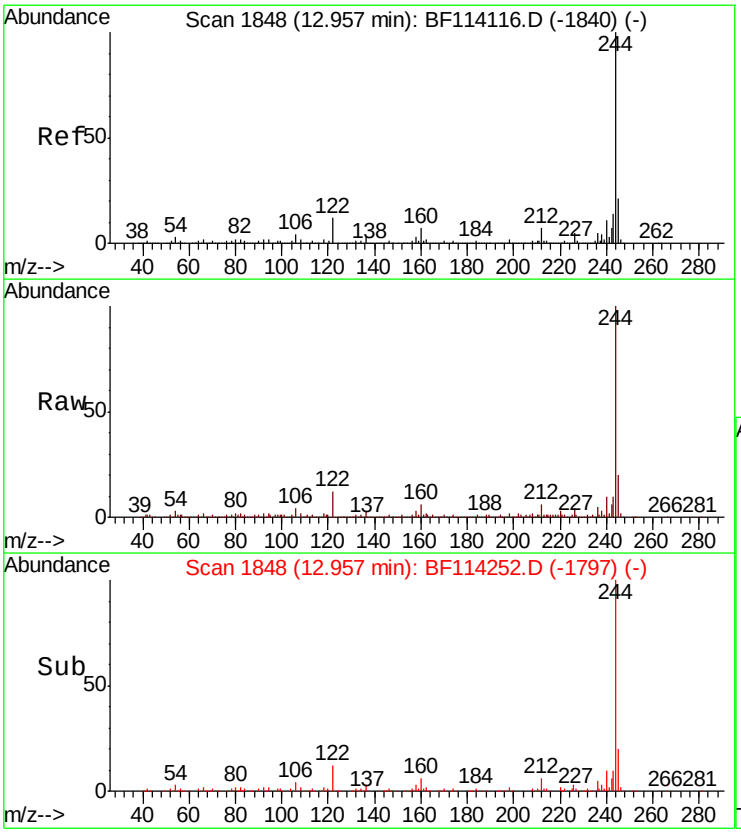
#78
Pyrene
Concen: 53.668 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 2364741

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.5	14.5	21.7

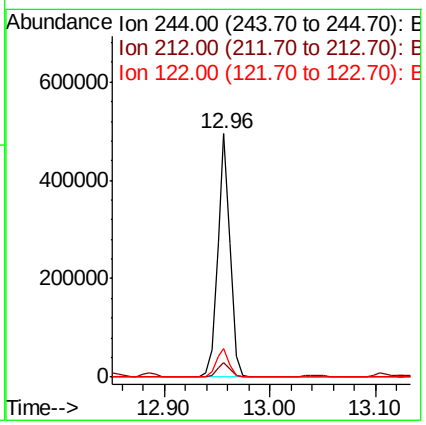


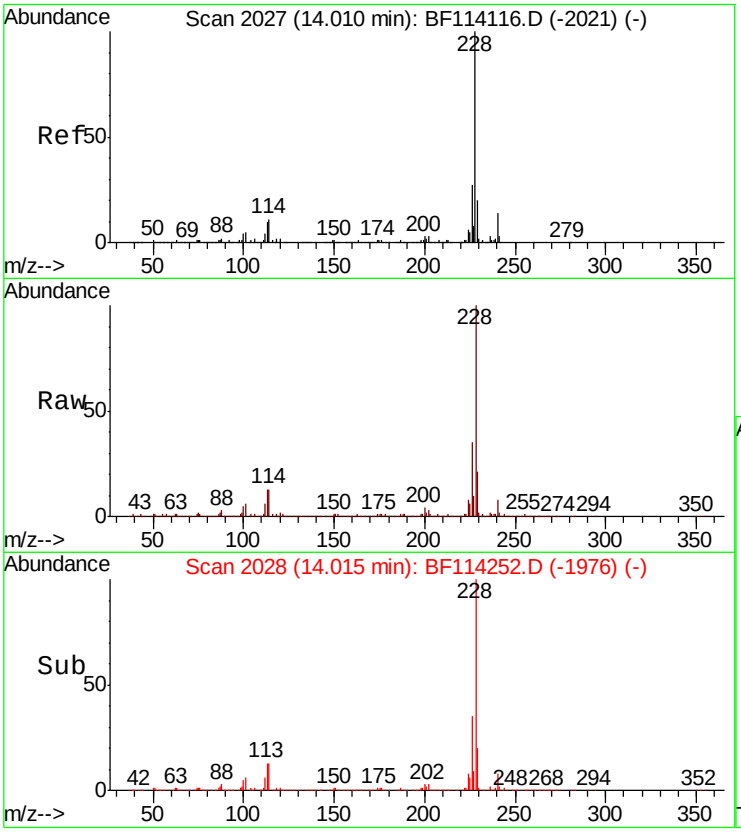


#79
Terphenyl-d14
Concen: 15.348 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:244 Resp: 407799

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.6
122	12.0	9.4	14.2



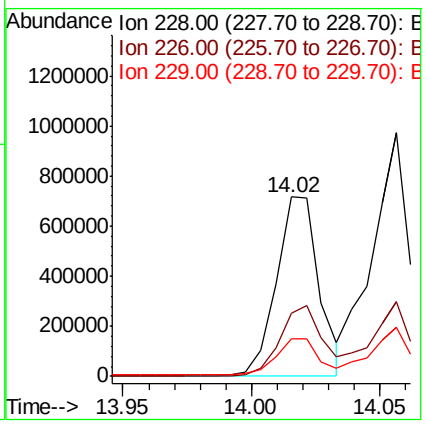


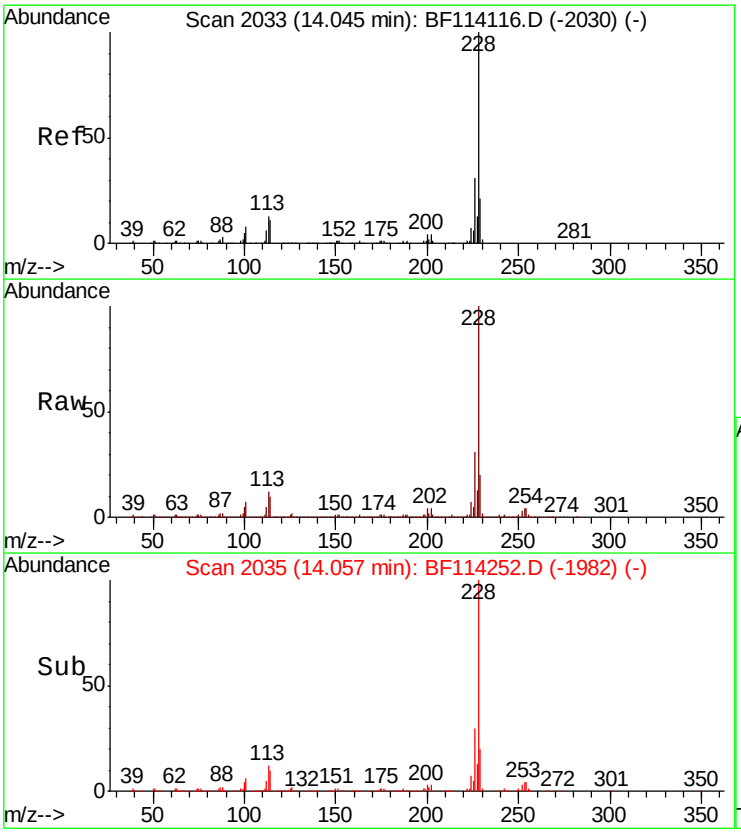
#81
Benzo(a)anthracene
Concen: 23.495 ng m
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 832379

Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.2	33.2#
229	20.6	16.4	24.6

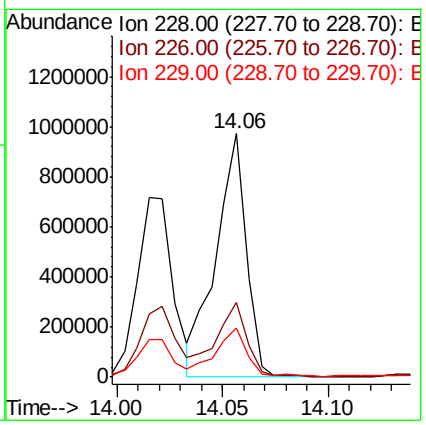


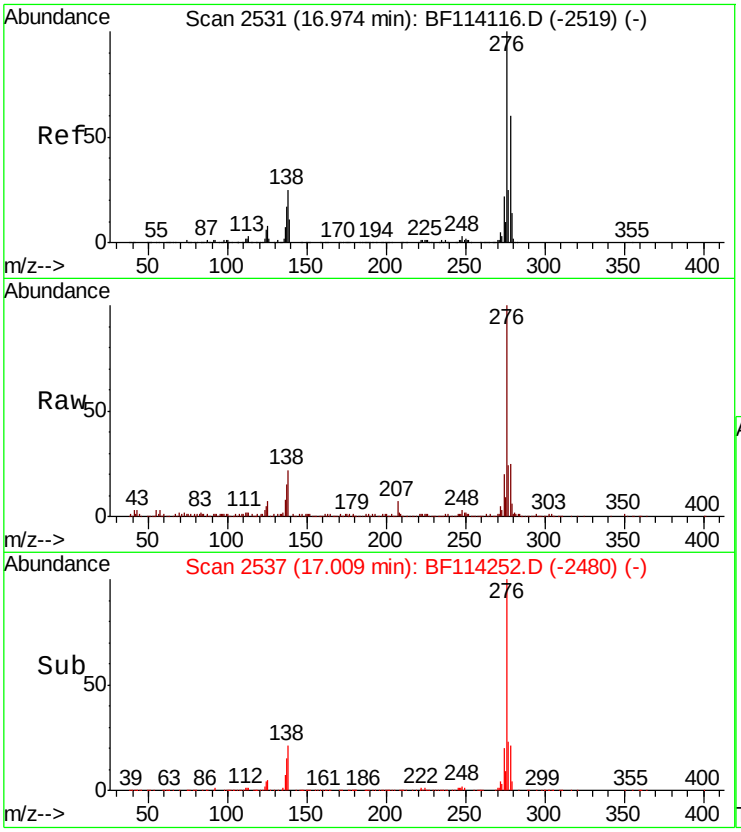


#83
Chrysene
Concen: 27.611 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:228 Resp: 958899

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.4	17.0	25.6



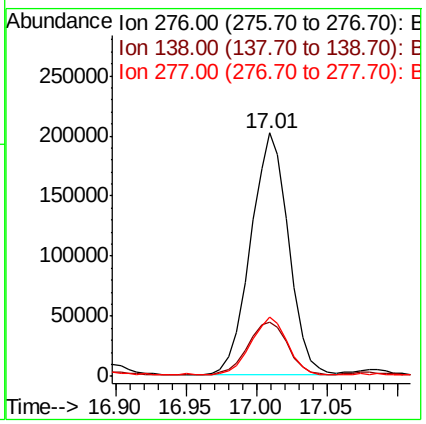


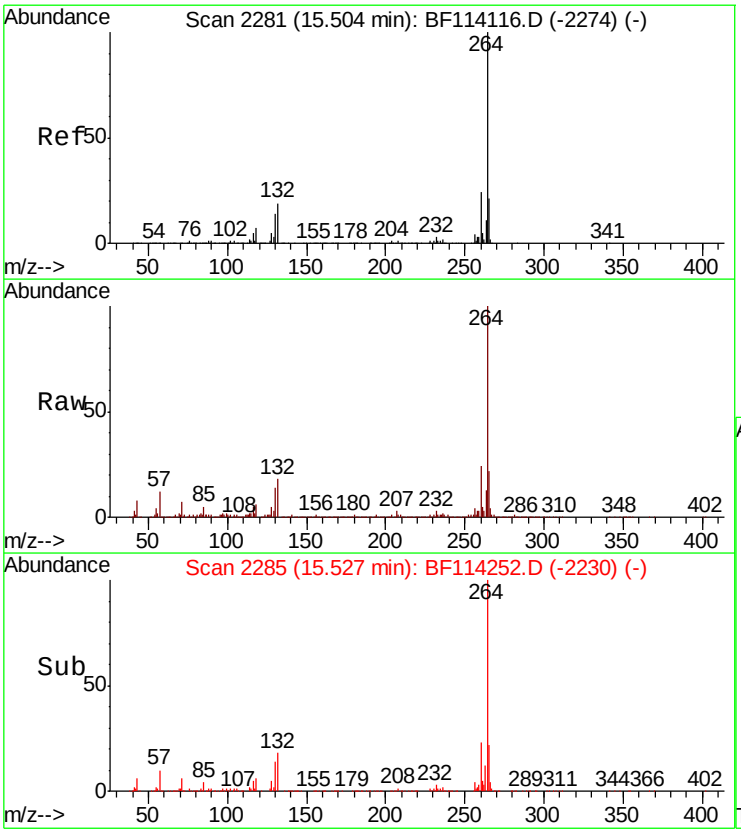
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.345 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 378914

Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	23.5	20.0	30.0

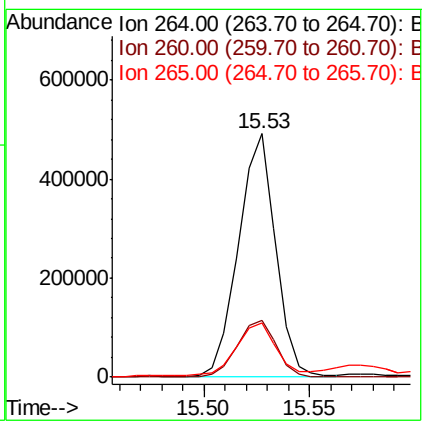


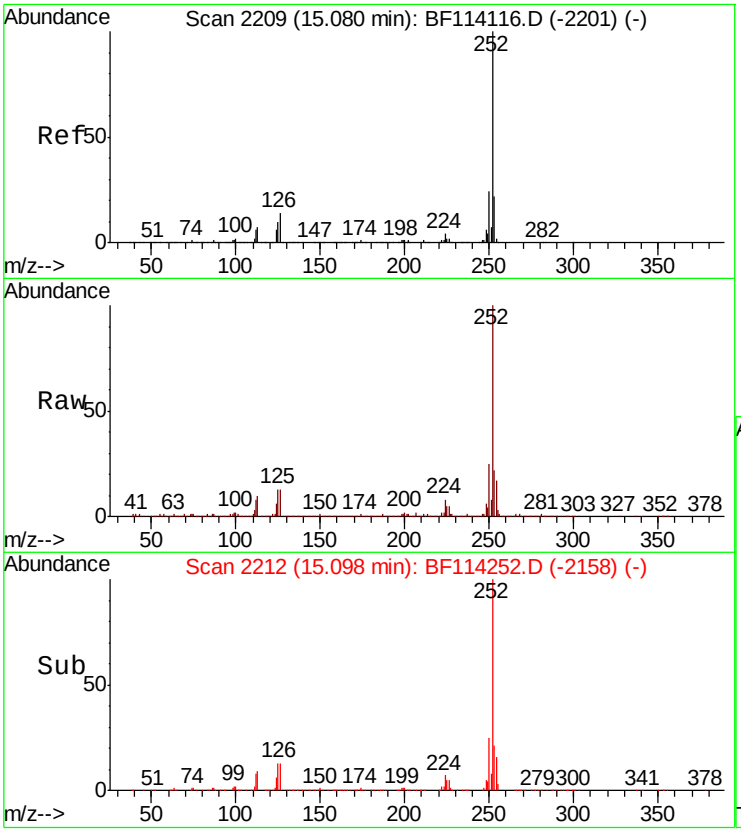


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:264 Resp: 596977

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	22.1	16.9	25.3



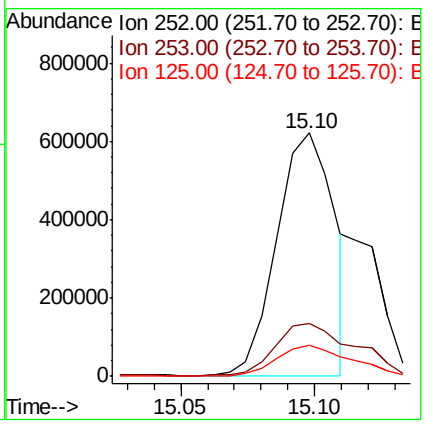


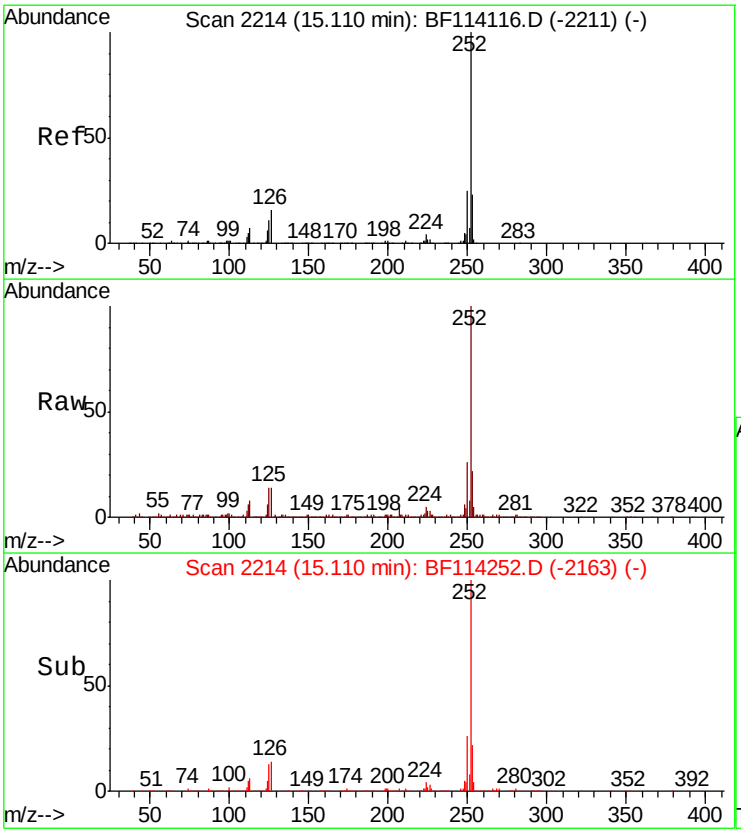
#88
Benzo(b)fluoranthene
Concen: 24.354 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.02 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 931446

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	12.9	8.3	12.5#

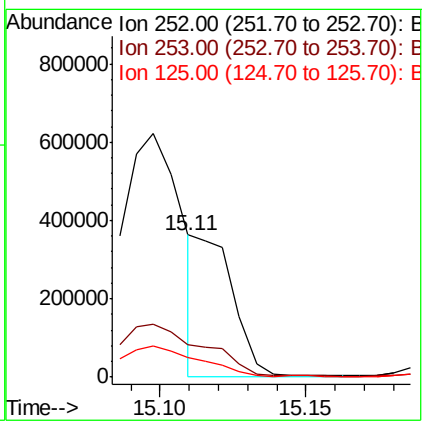


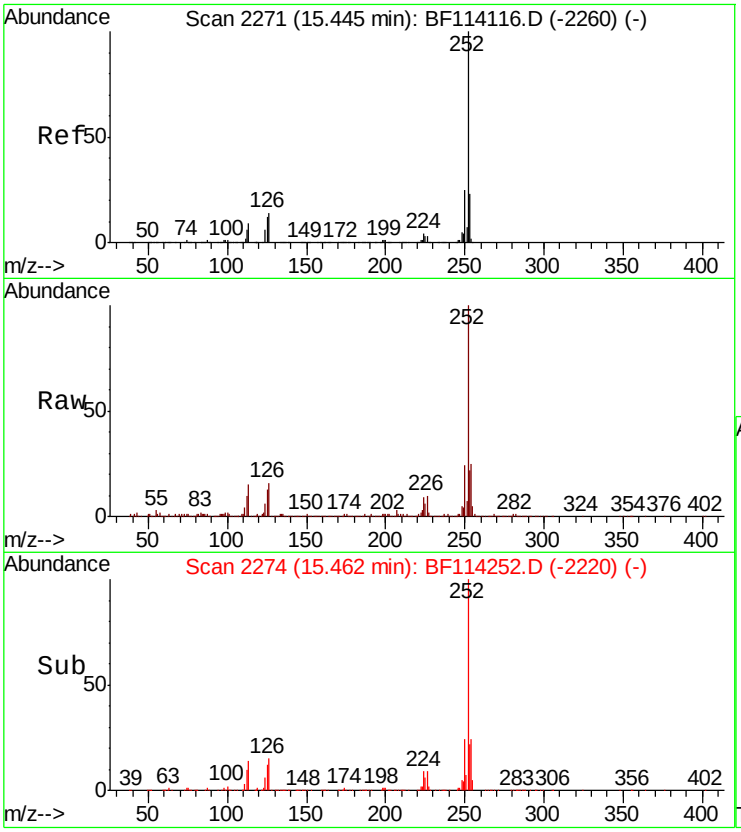


#89
Benzo(k)fluoranthene
Concen: 8.973 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:252 Resp: 315249

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	13.9	8.6	13.0#



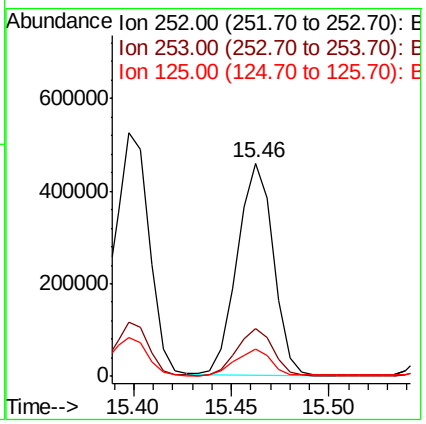


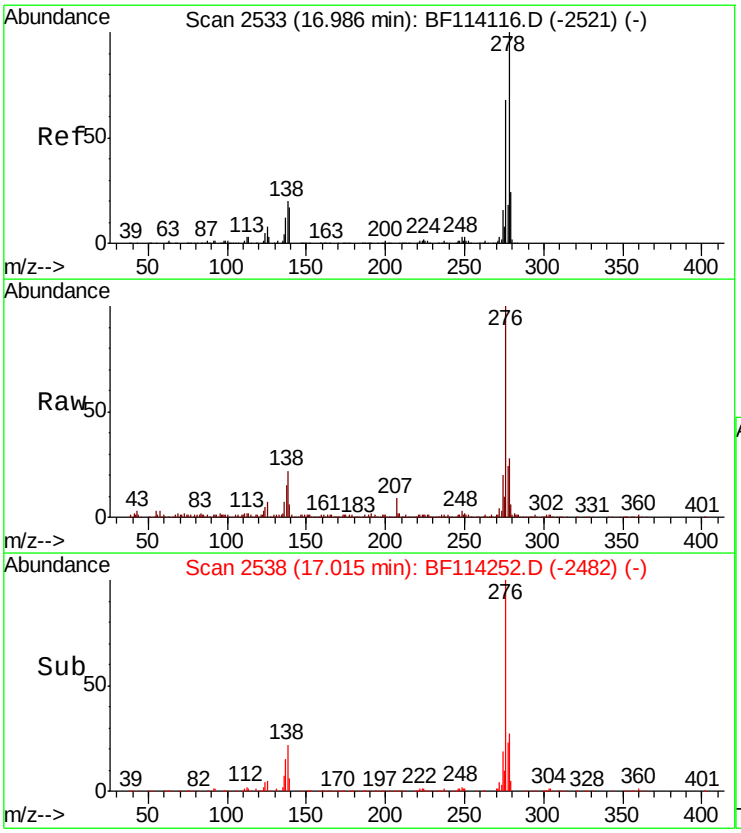
#90
Benzo(a)pyrene
Concen: 17.539 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 590363

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.6	9.5	14.3

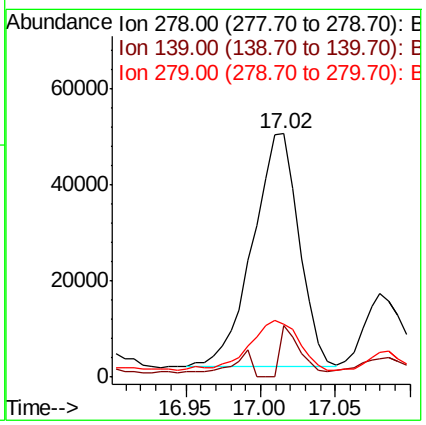


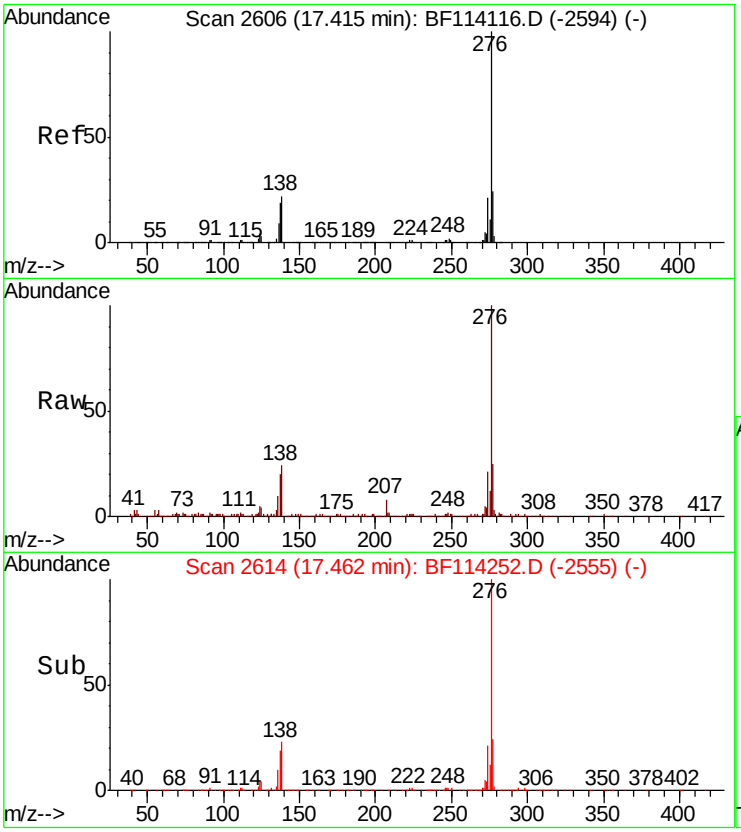


#91
Dibenzo(a,h)anthracene
Concen: 3.728 ng m
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion:278 Resp: 104283

Ion	Ratio	Lower	Upper
278	100		
139	21.3	13.5	20.3#
279	21.9	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 14.650 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.05 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 410645

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.9	17.8	26.6