Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095420.D
Acq On : 25 May 2017 11:29
Operator : SJ/MA
Sample : I3241-16DL 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 25 13:28:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	63719	20.00	ng		0.00
21) Naphthalene-d8	9.79	136	186142	20.00	ng		0.00
38) Acenaphthene-d10	12.61	164	100460	20.00	ng		0.00
63) Phenanthrene-d10	15.01	188	173400	20.00	ng		-0.02
75) Chrysene-d12	18.68	240	157500	20.00	ng		-0.02
86) Perylene-d12	20.36	264	117380	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.87	112	5638	1.48	ng		0.13
7) Phenol-d6	7.46	99	5363	1.17	ng		0.15
23) Nitrobenzene-d5	8.77	82	14492	4.91	ng		0.09
41) 2,4,6-Tribromophenol	13.94	330	7039	8.56	ng		0.02
44) 2-Fluorobiphenyl	11.57	172	50175	7.19	ng		0.01
78) Terphenyl-d14	17.32	244	45301	6.34	ng		-0.02
Target Compounds							Qvalue
48) Acenaphthylene	12.39	152	38332	3.58	ng		97
50) 2,6-Dinitrotoluene	12.61	165	10024	5.96	ng	#	31
57) Fluorene	13.52	166	17621	2.29	ng		99
70) Phenanthrene	15.05	178	294265	29.54	ng		98
71) Anthracene	15.14	178	70296	6.91	ng		95
74) Fluoranthene	16.79	202	542024	53.04	ng		98
76) Benzidine	16.75	184	116	6.61	ng	#	62
77) Pyrene	17.09	202	559772	47.52	ng		97
80) Benzo(a)anthracene	18.67	228	277113	30.23	ng		99
82) Chrysene	18.71	228	277692	31.33	ng		98
85) Indeno(1,2,3-cd)pyrene	21.70	276	69770	9.69	ng		92
87) Benzo(b)fluoranthene	19.95	252	285935	39.42	ng	#	97
88) Benzo(k)fluoranthene	19.95	252	285935	40.87	ng		98
89) Benzo(a)pyrene	20.30	252	138553	20.70	ng		97
90) Dibenzo(a,h)anthracene	21.69	278	18926	3.42	ng		93
91) Benzo(g,h,i)perylene	22.09	276	62816	11.58	ng		97

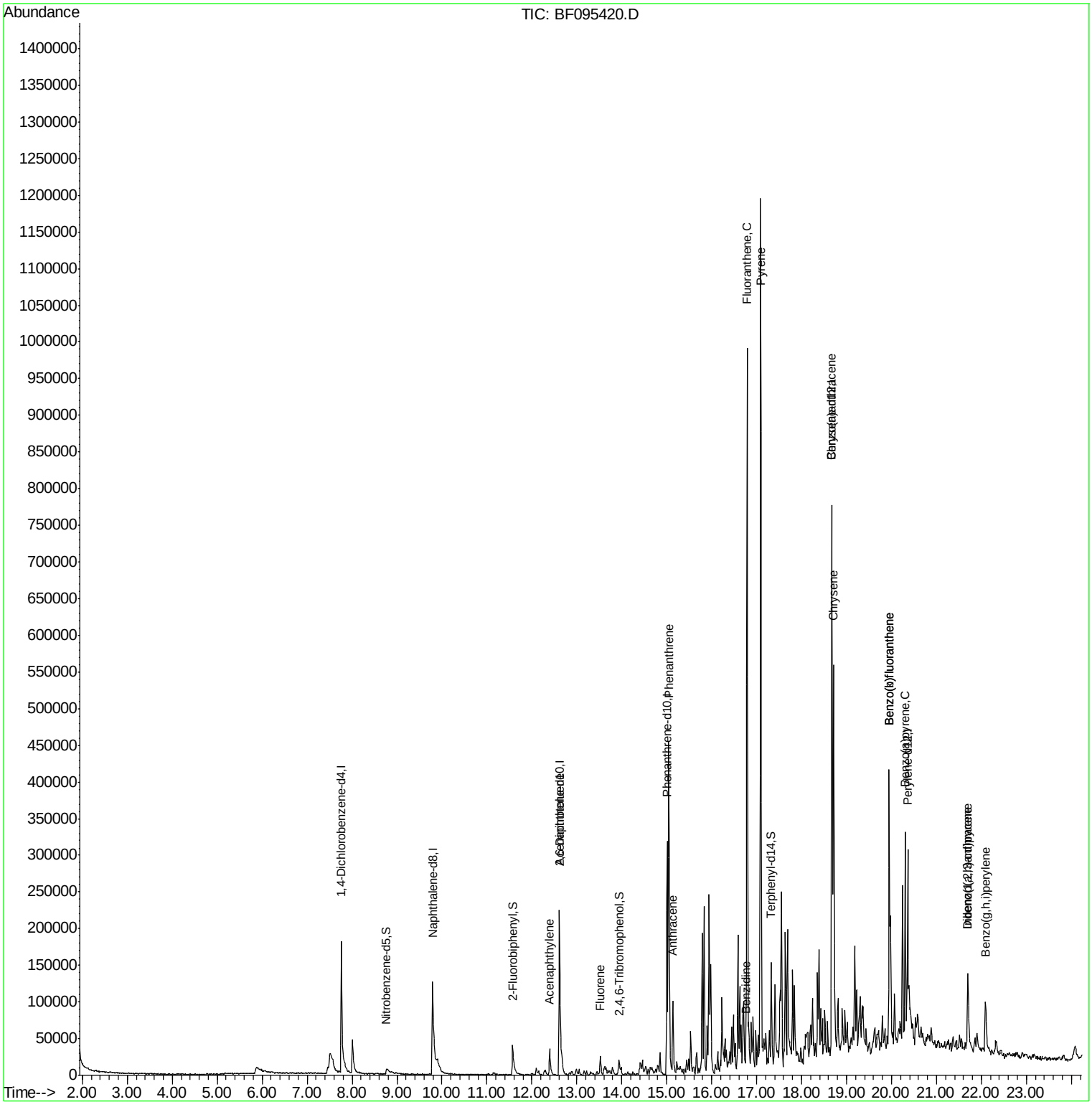
(#) = qualifier out of range (m) = manual integration (+) = signals summed

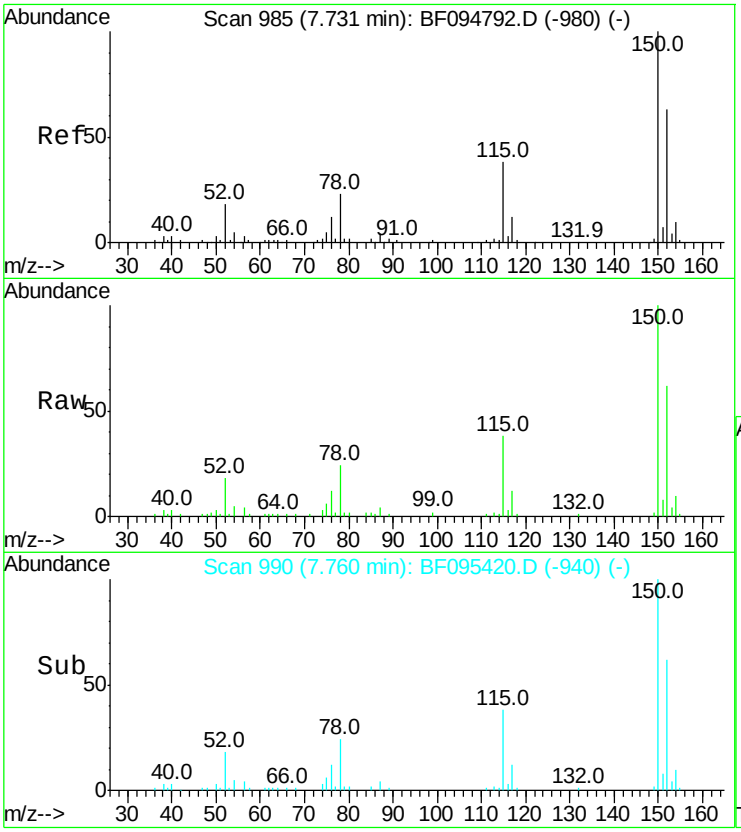
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095420.D
Acq On : 25 May 2017 11:29
Operator : SJ/MA
Sample : I3241-16DL 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 25 13:28:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration



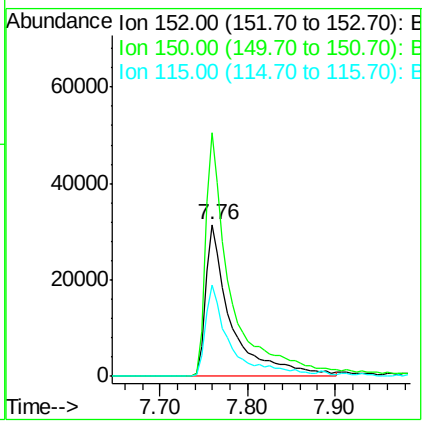


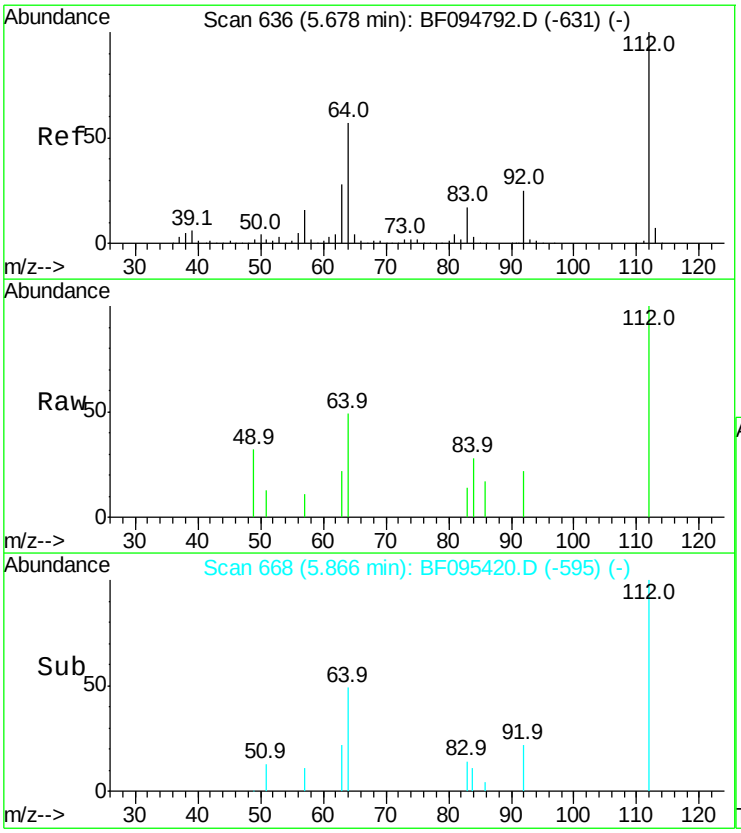
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 63719

Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	60.3	52.2	78.2

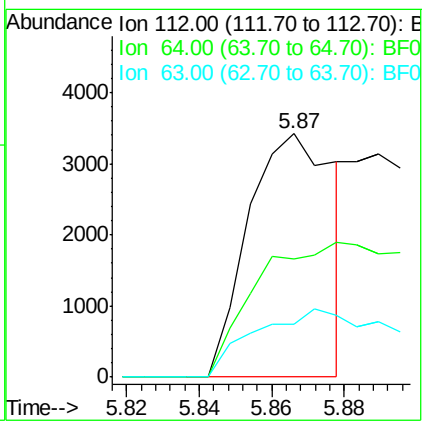


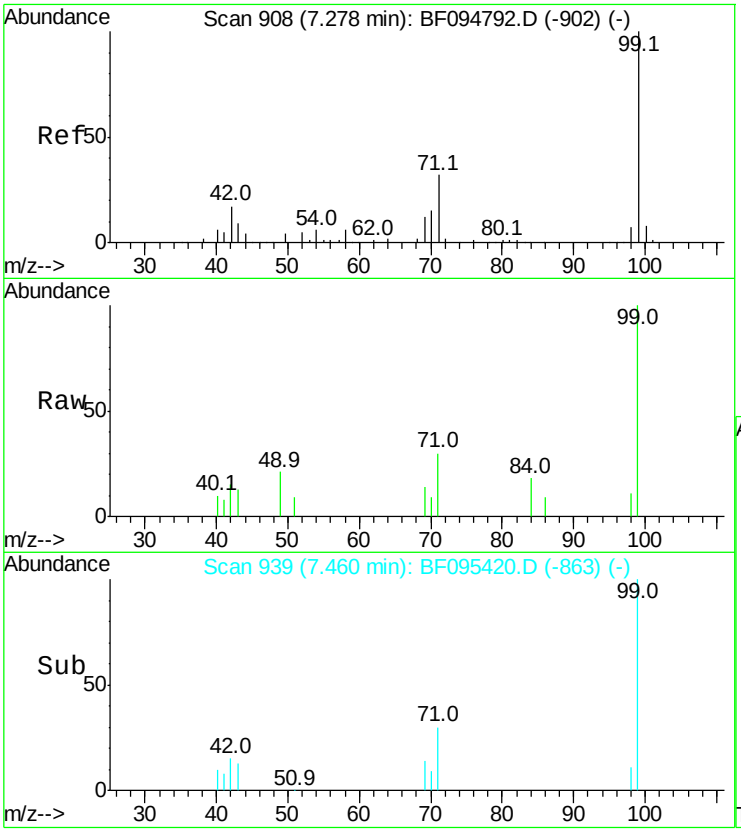


#5
2-Fluorophenol
Concen: 1.48 ng
RT: 5.87 min Scan# 668
Delta R.T. 0.13 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:112 Resp: 5638

Ion	Ratio	Lower	Upper
112	100		
64	48.6	46.0	69.0
63	21.9	23.4	35.0#



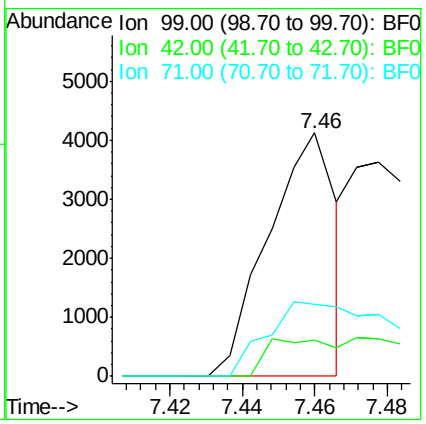


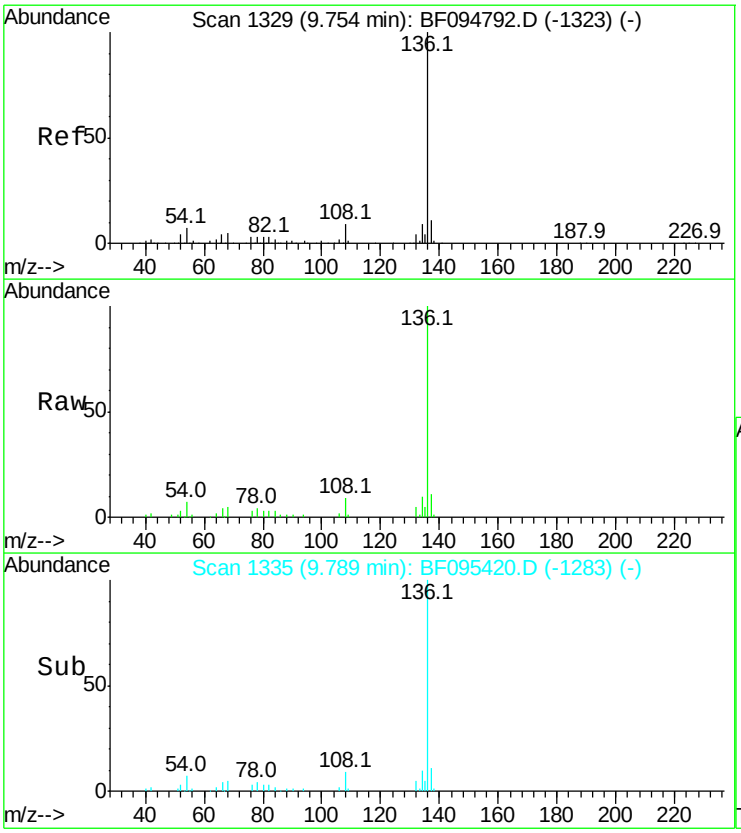
#7
Phenol-d6
Concen: 1.17 ng
RT: 7.46 min Scan# 939
Delta R.T. 0.15 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 5363

Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.5	20.3
71	29.9	24.5	36.7

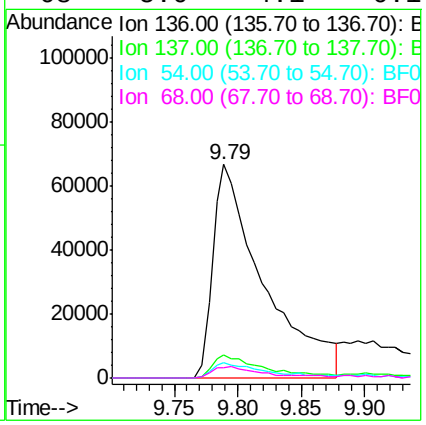


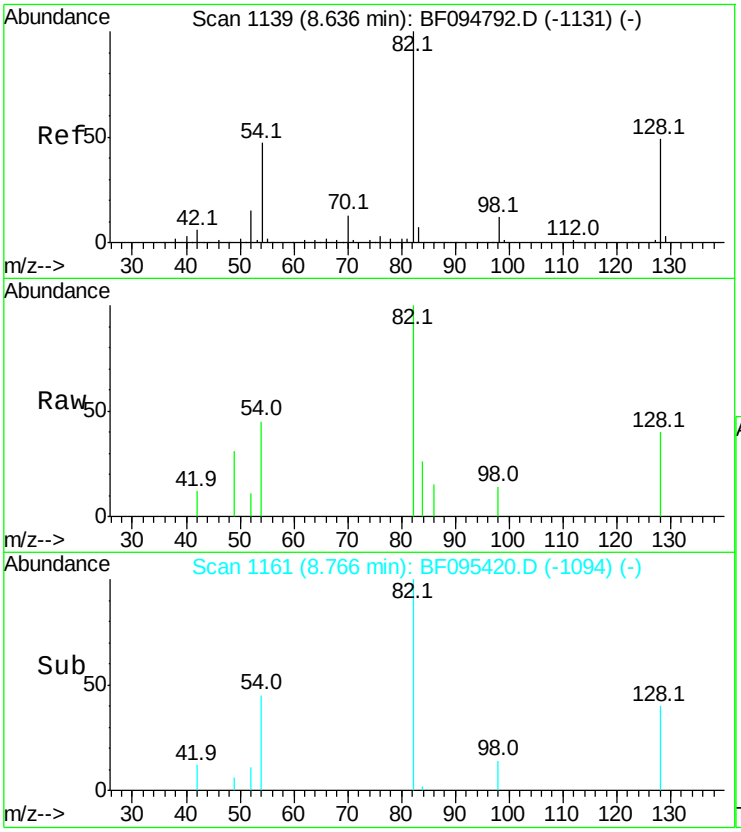


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.79 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:136 Resp: 186142

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.3	4.9	7.3#
68	5.0	4.1	6.1



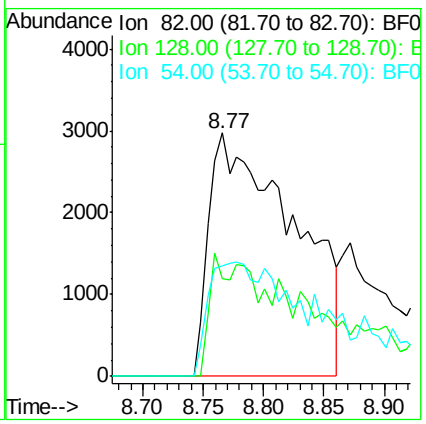


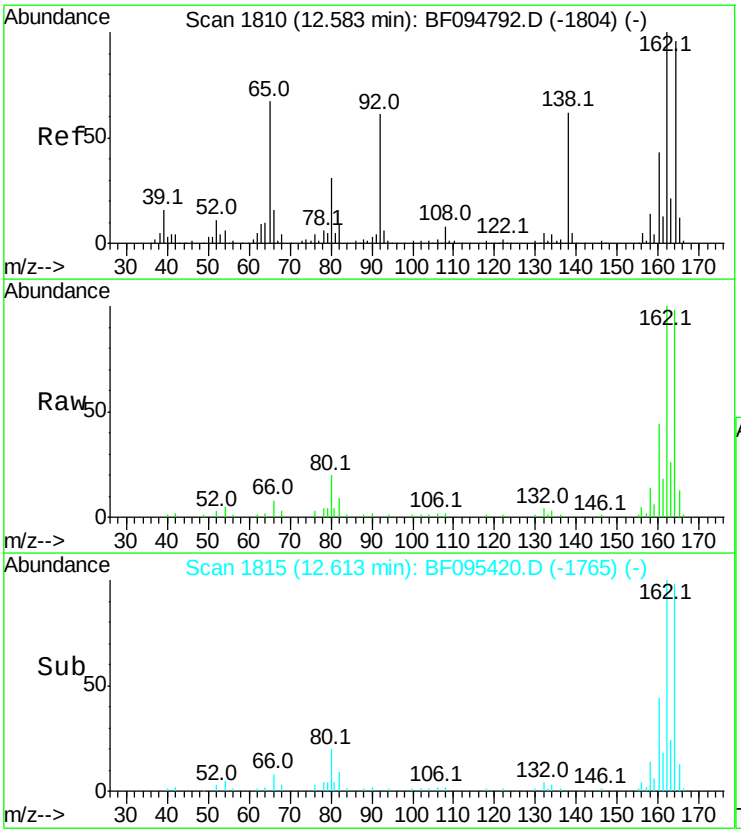
#23
Nitrobenzene-d5
Concen: 4.91 ng
RT: 8.77 min Scan# 1161
Delta R.T. 0.09 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 14492

Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.0	51.0
54	45.4	42.2	63.2

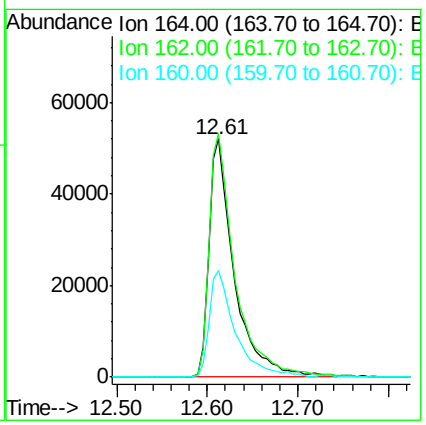


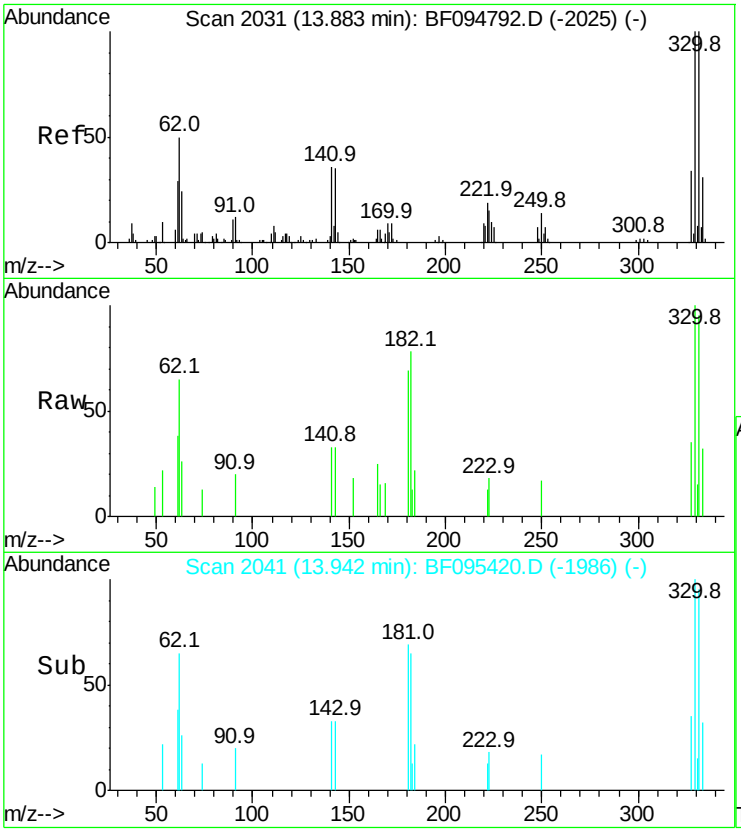


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:164 Resp: 100460

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	44.6	36.2	54.2



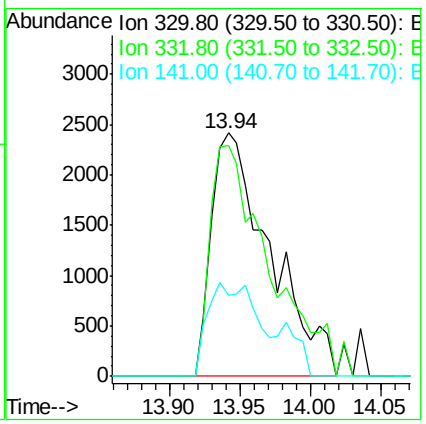


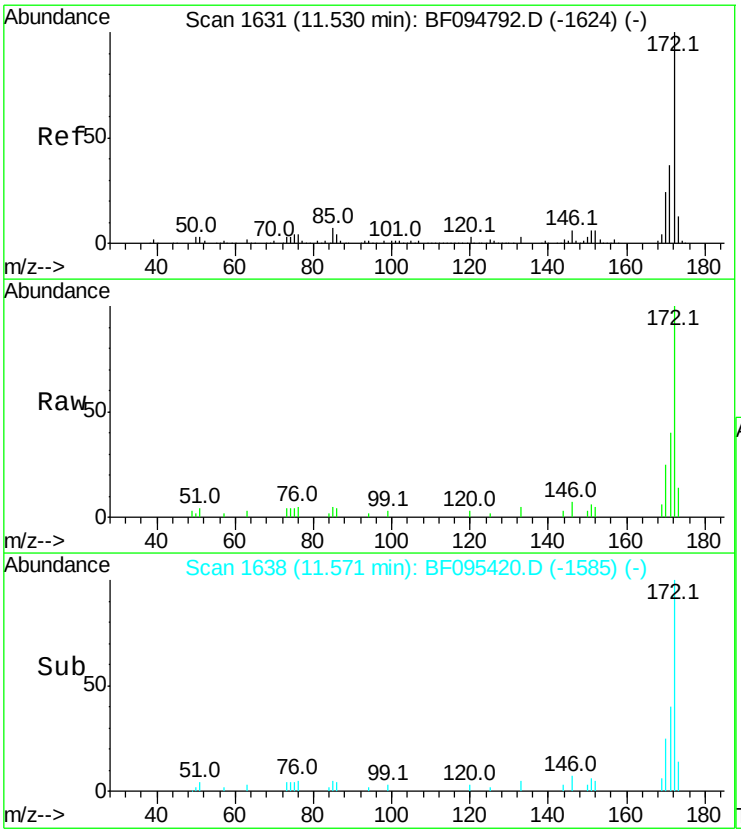
#41
2,4,6-Tribromophenol
Concen: 8.56 ng
RT: 13.94 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 7039

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	31.3	31.4	47.2#

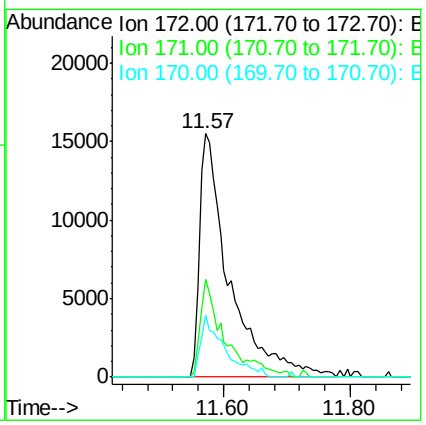


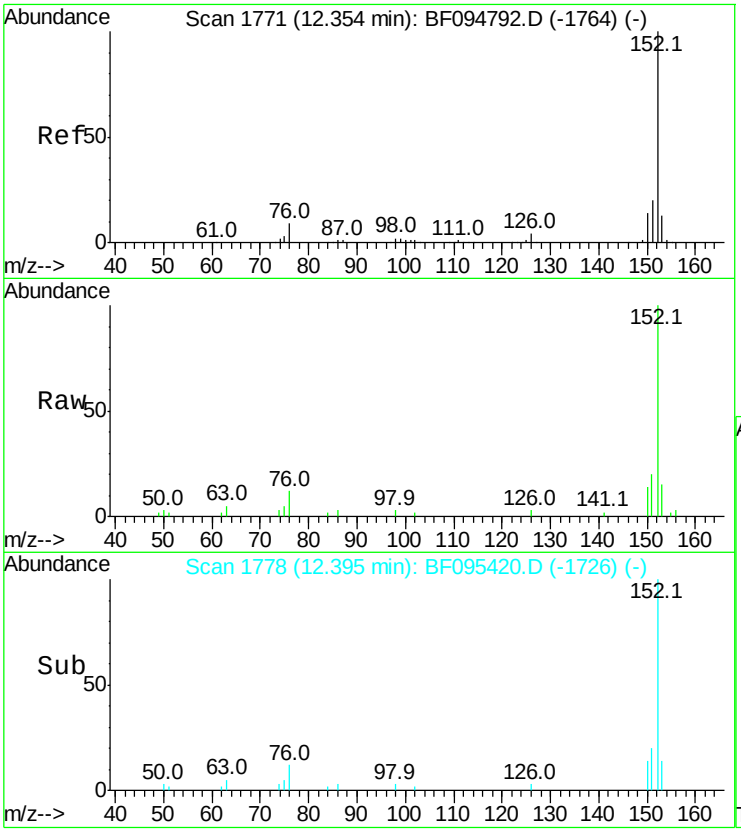


#44
2-Fluorobiphenyl
Concen: 7.19 ng
RT: 11.57 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:172 Resp: 50175

Ion	Ratio	Lower	Upper
172	100		
171	40.1	29.6	44.4
170	25.5	19.8	29.8



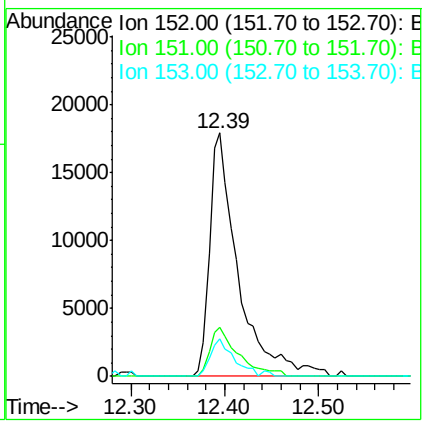


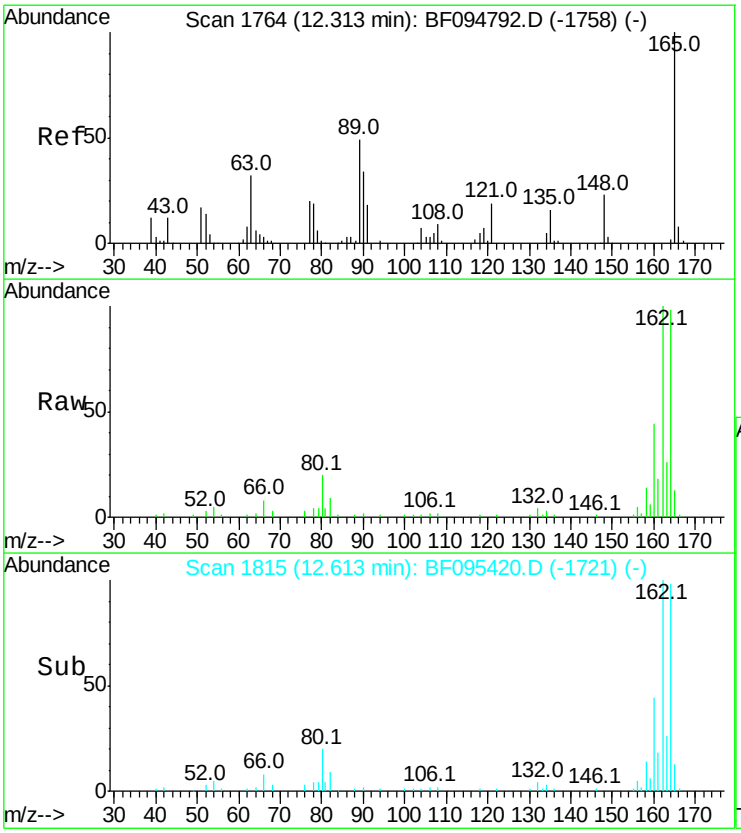
#48
Acenaphthylene
Concen: 3.58 ng
RT: 12.39 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 38332

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	15.3	10.8	16.2

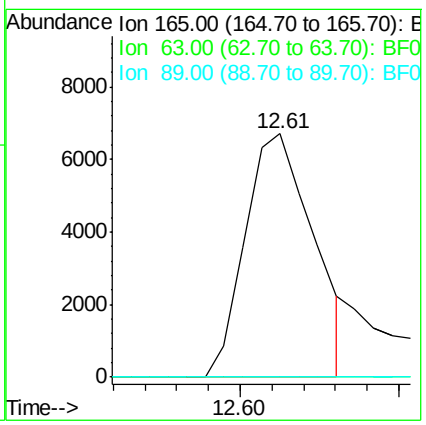


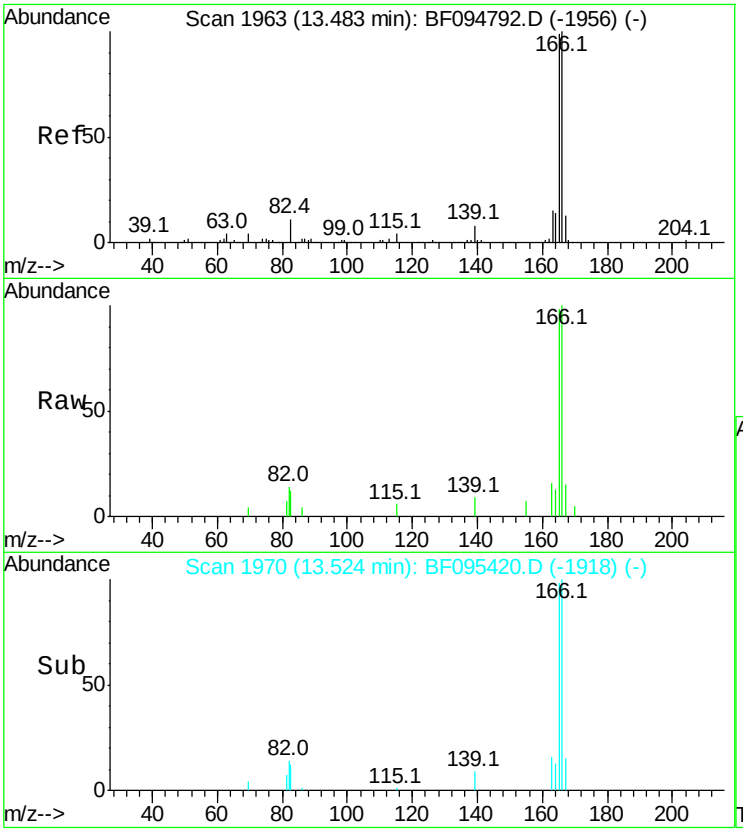


#50
2,6-Dinitrotoluene
Concen: 5.96 ng
RT: 12.61 min Scan# 1815
Delta R.T. 0.25 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:165 Resp: 10024

Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



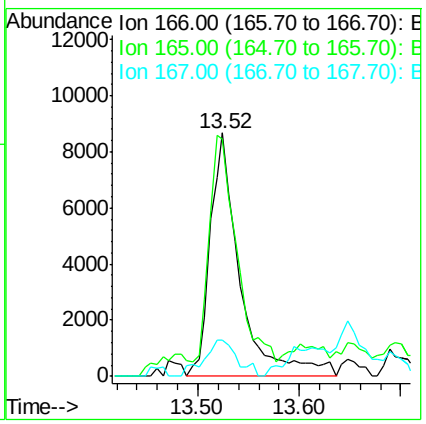


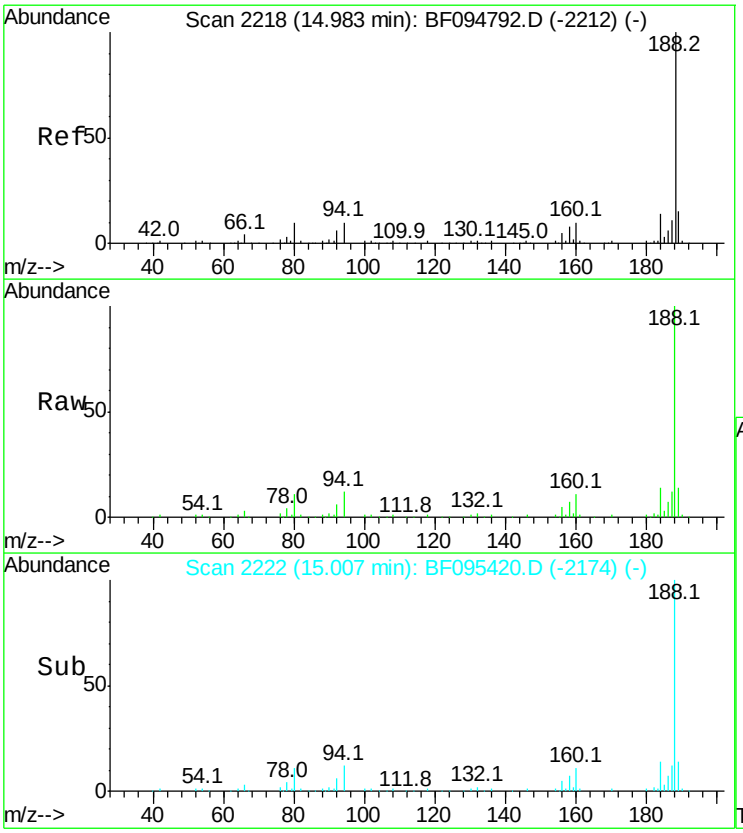
#57
Fluorene
Concen: 2.29 ng
RT: 13.52 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 17621

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	14.7	10.6	16.0

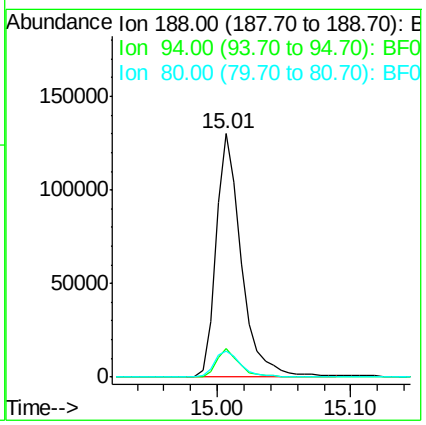


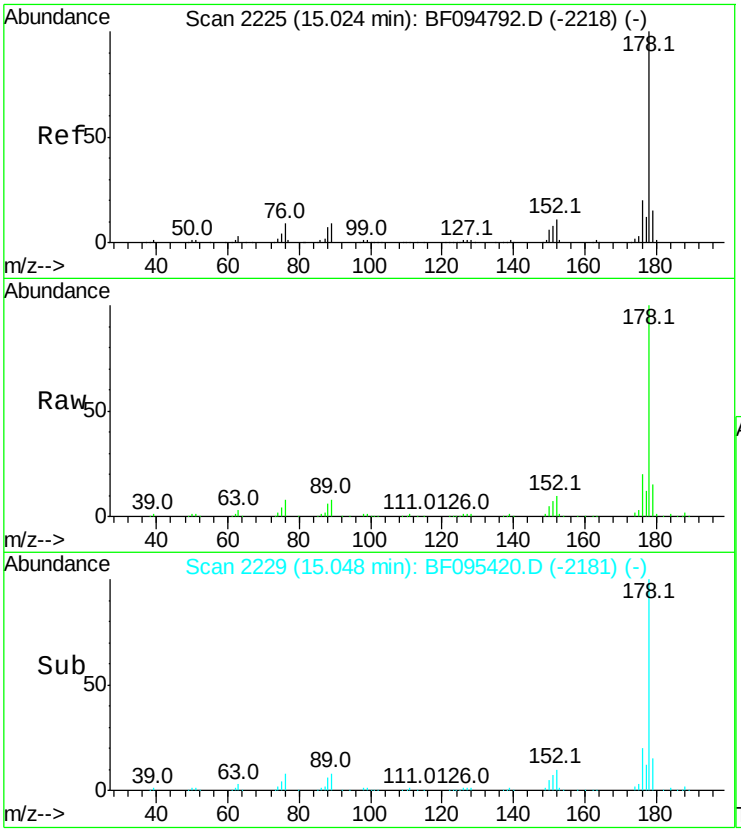


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:188 Resp: 173400

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	10.8	10.2	15.2



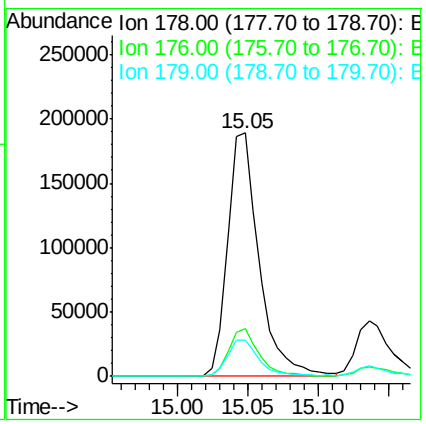


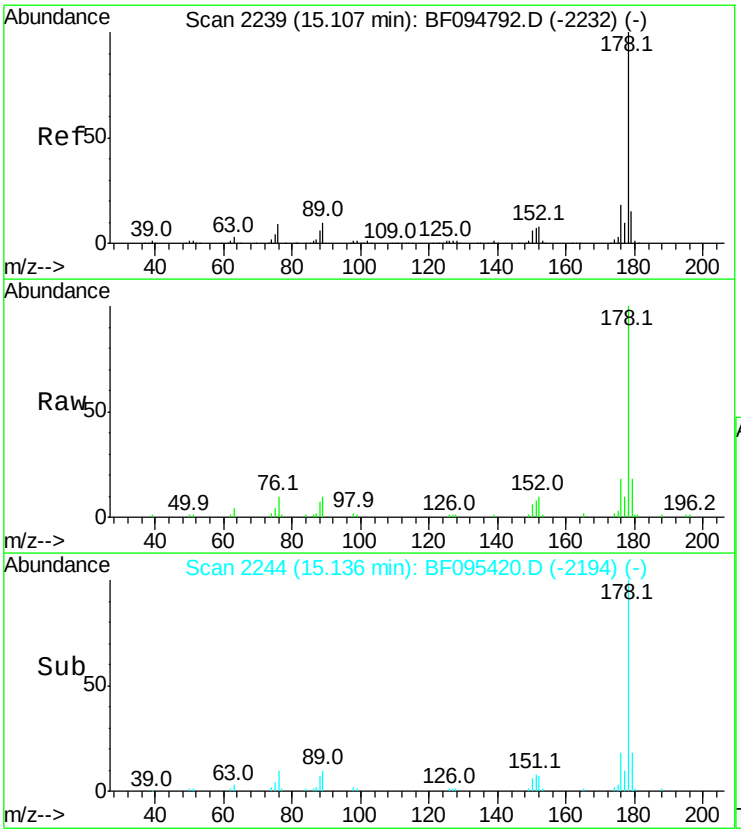
#70
Phenanthrene
Concen: 29.54 ng
RT: 15.05 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 294265

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	14.9	12.6	19.0

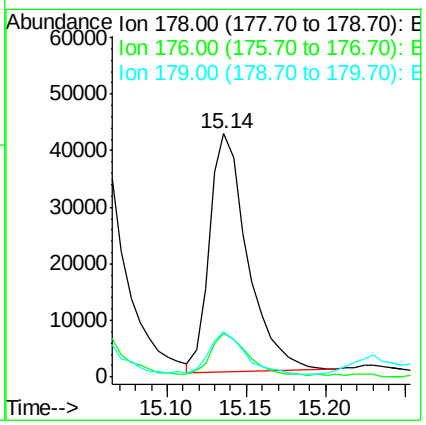


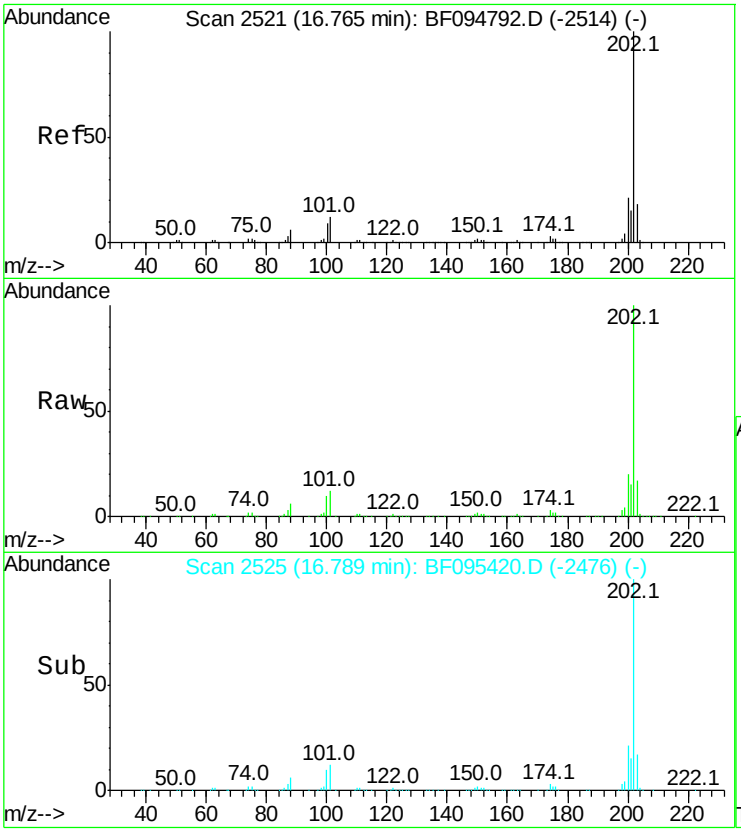


#71
Anthracene
Concen: 6.91 ng
RT: 15.14 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:178 Resp: 70296

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	18.4	12.7	19.1



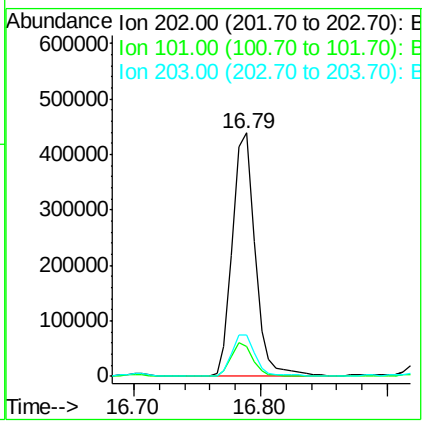


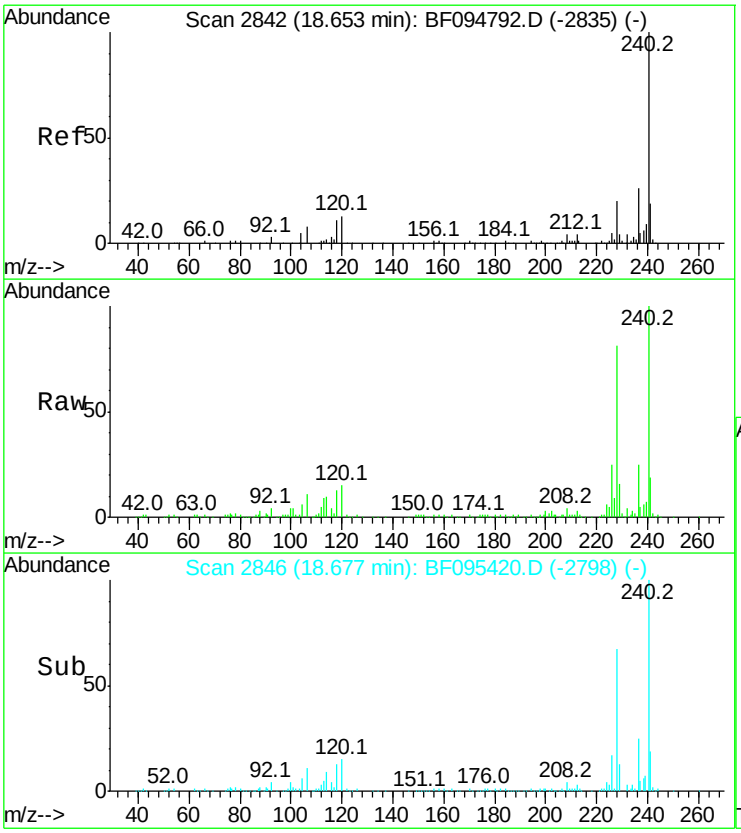
#74
Fluoranthene
Concen: 53.04 ng
RT: 16.79 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 542024

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.1	0.0	38.1

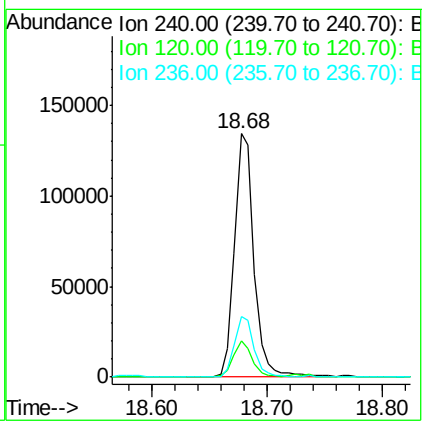


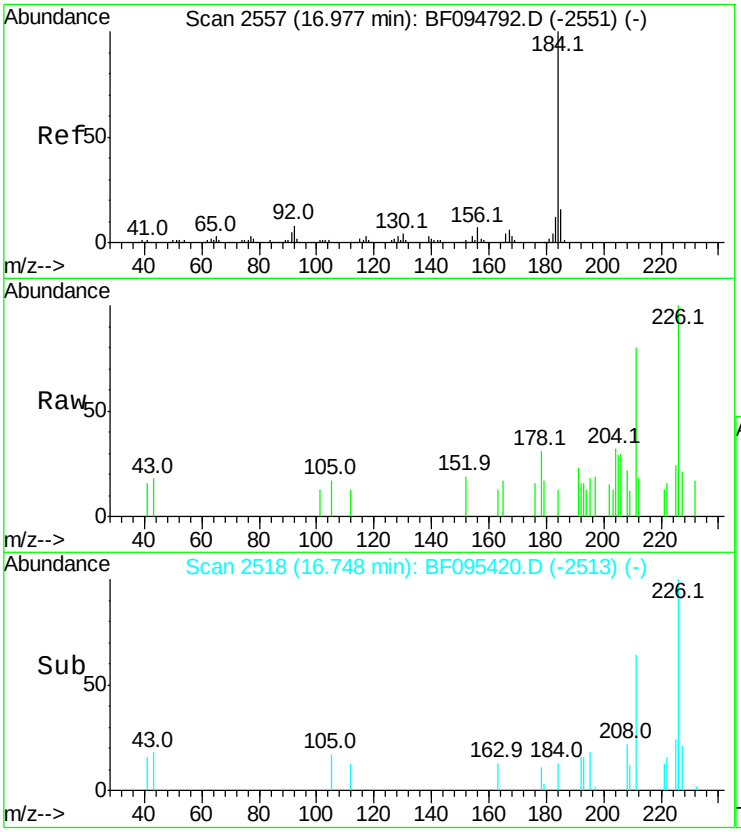


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:240 Resp: 157500

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.0	20.5	30.7



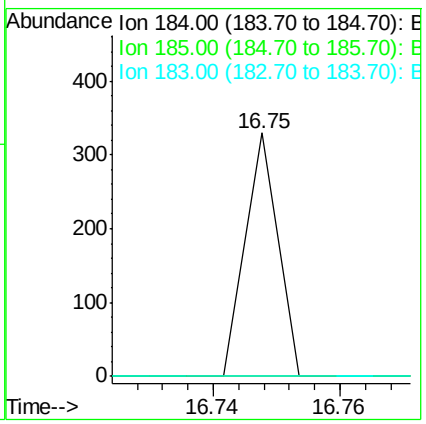


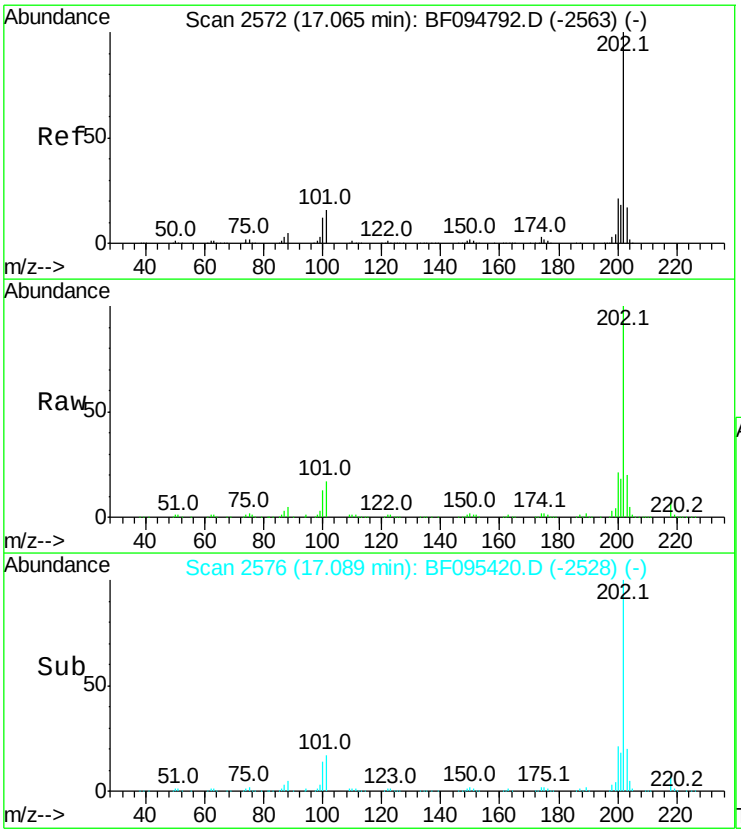
#76
Benzidine
Concen: 6.61 ng
RT: 16.75 min Scan# 2518
Delta R.T. -0.27 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 116

Ion	Ratio	Lower	Upper
184	100		
185	0.0	15.5	23.3#
183	0.0	9.8	14.6#

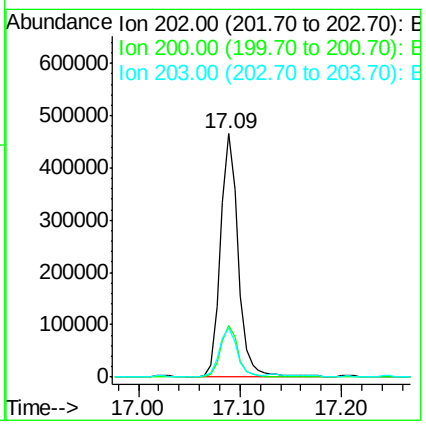


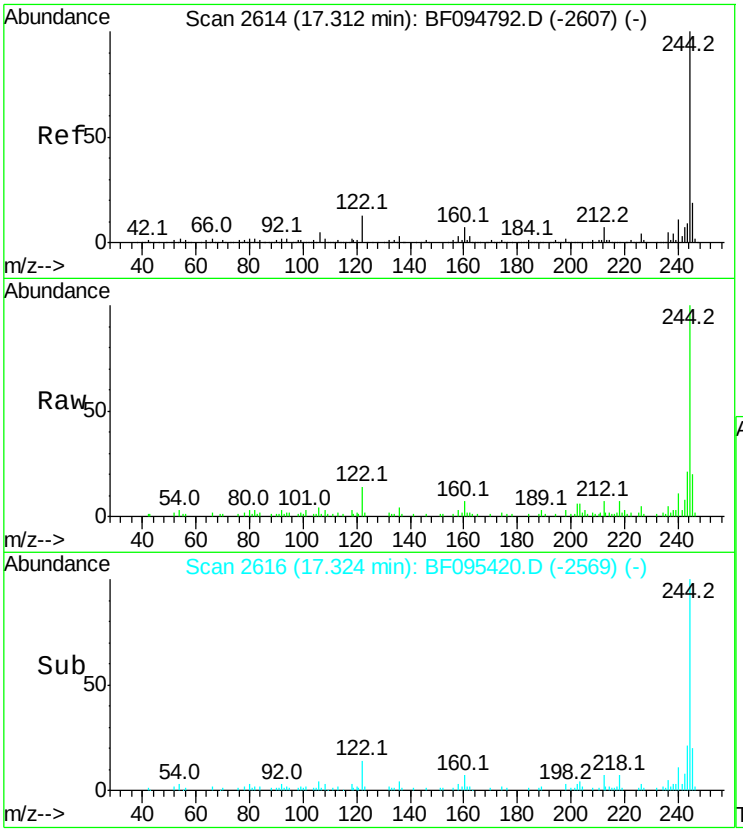


#77
Pyrene
Concen: 47.52 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:202 Resp: 559772

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	20.2	14.4	21.6



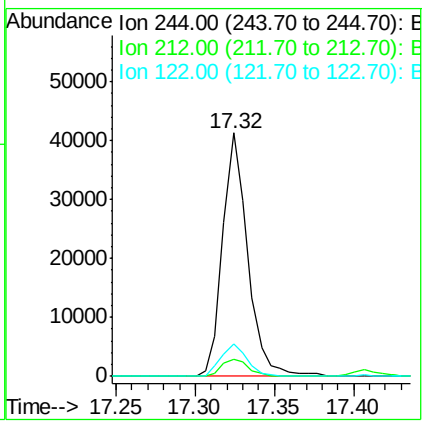


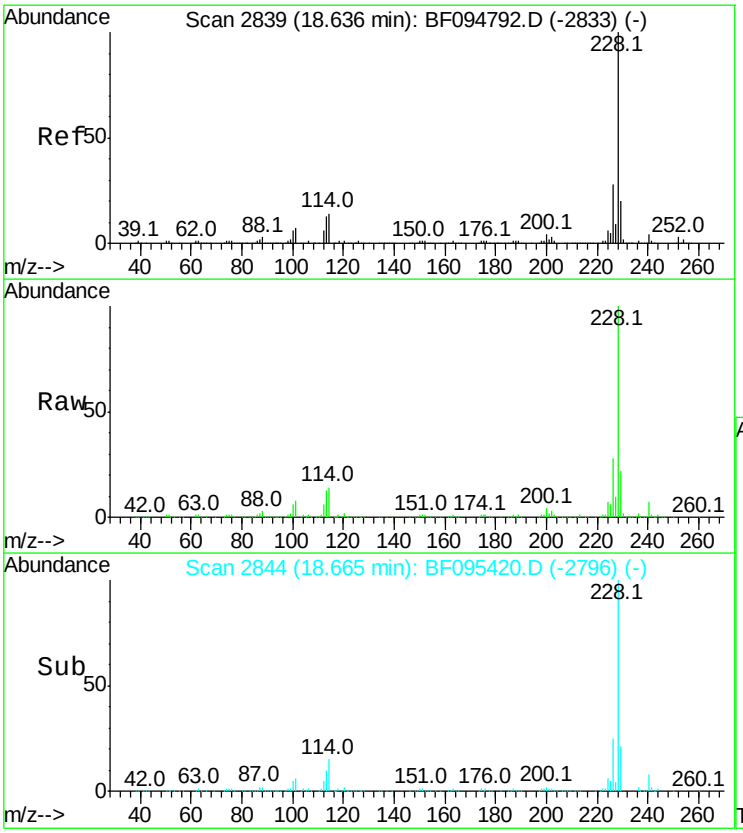
#78
Terphenyl-d14
Concen: 6.34 ng
RT: 17.32 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 45301

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.5	10.3	15.5

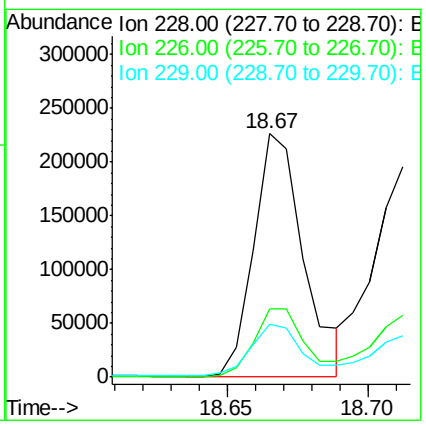


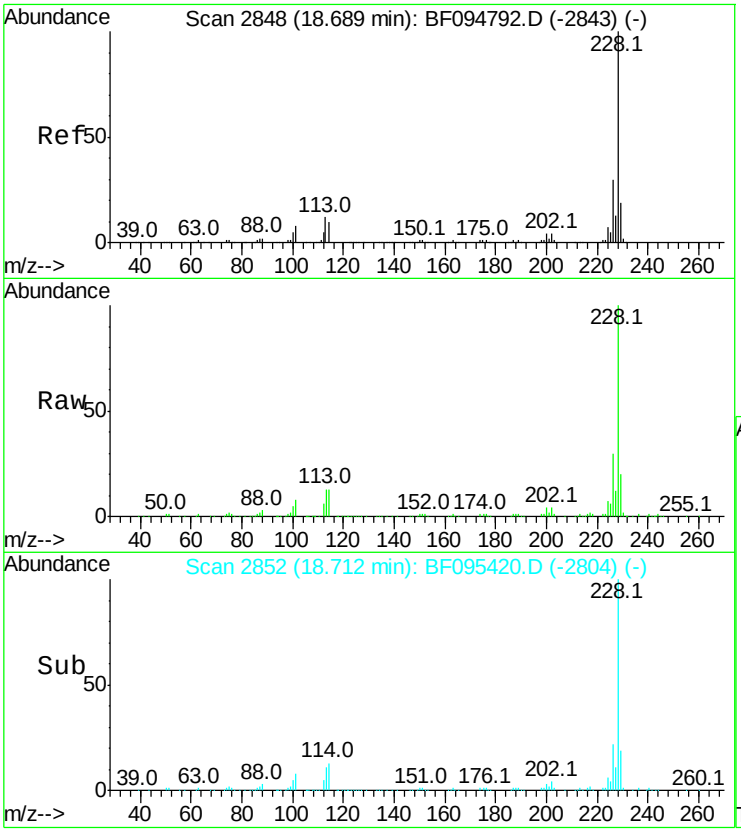


#80
Benzo(a)anthracene
Concen: 30.23 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:228 Resp: 277113

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.6	16.3	24.5



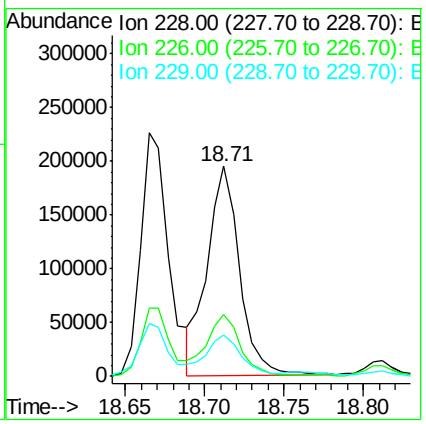


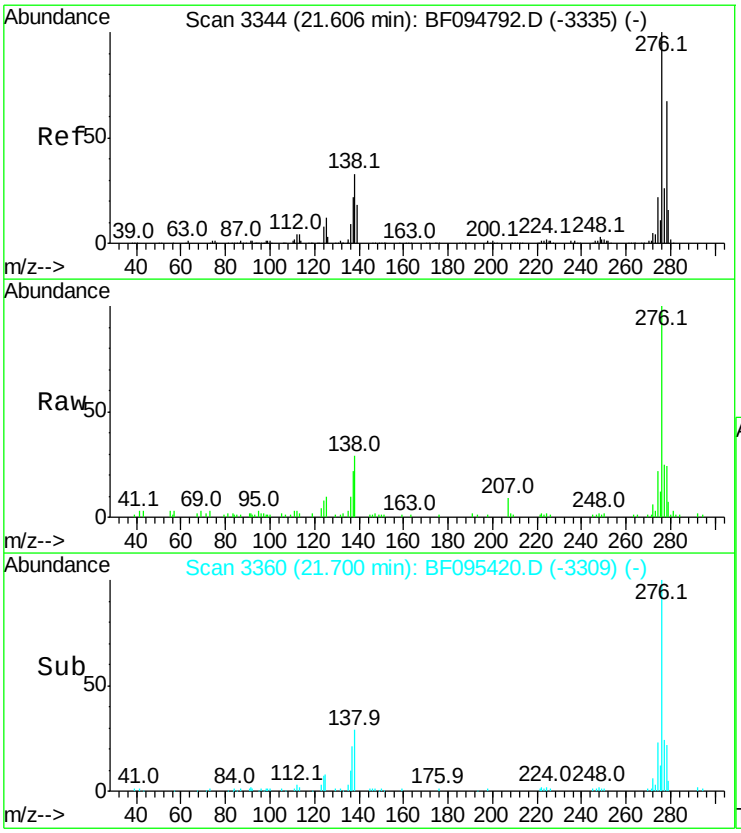
#82
Chrysene
Concen: 31.33 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 277692

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	19.8	15.8	23.6

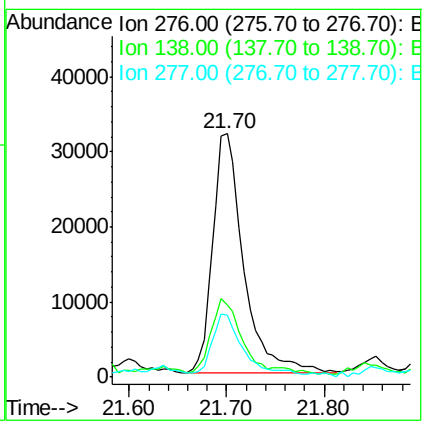


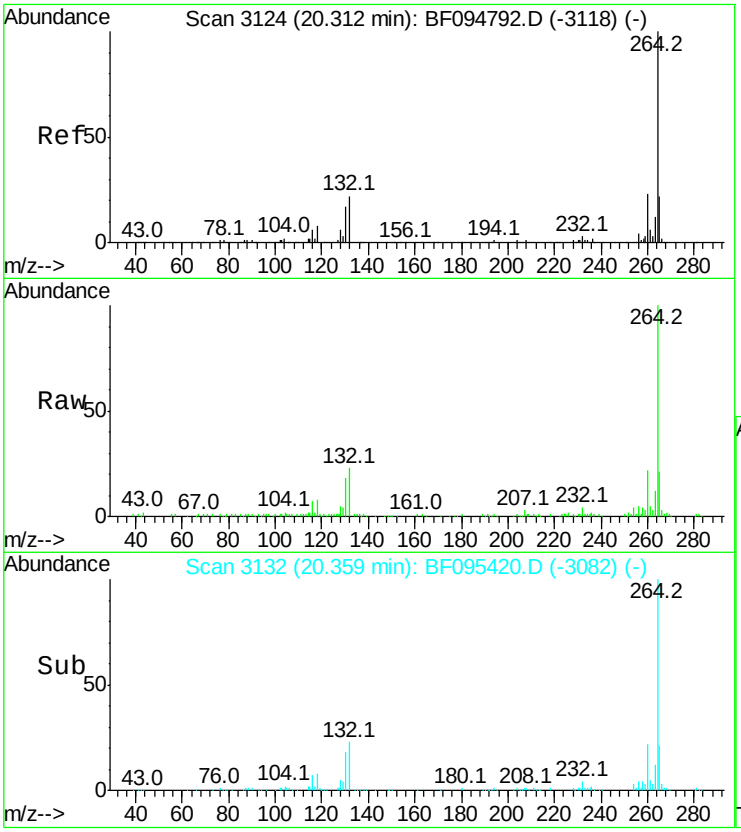


#85
Indeno(1,2,3-cd)pyrene
Concen: 9.69 ng
RT: 21.70 min Scan# 3360
Delta R.T. 0.00 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:276 Resp: 69770

Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	23.2	20.2	30.4



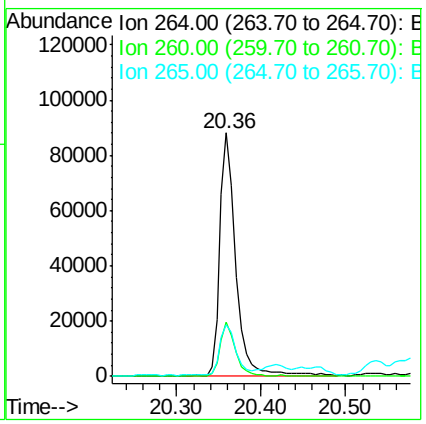


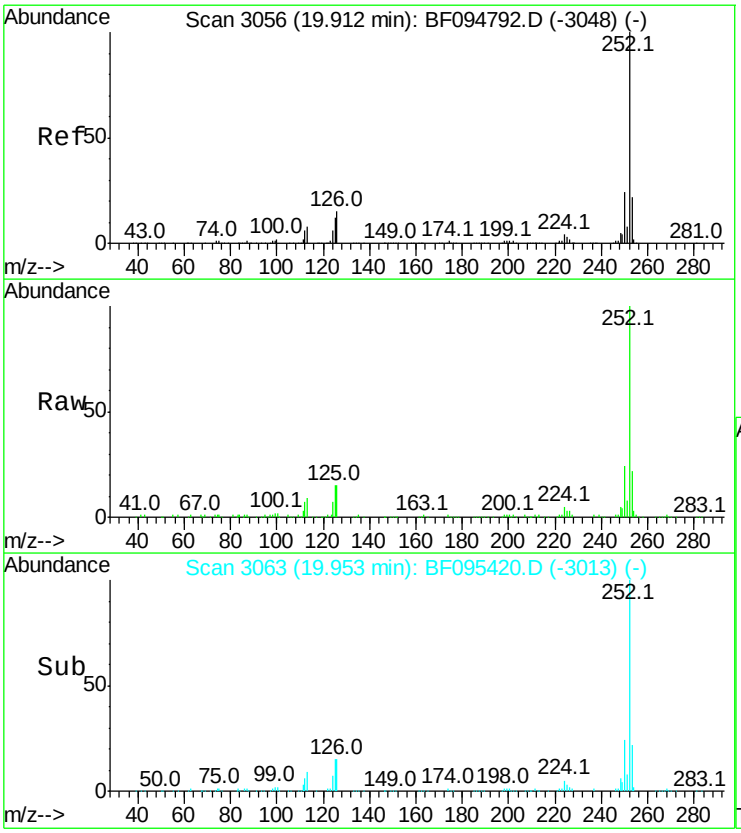
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 117380

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.4	17.2	25.8

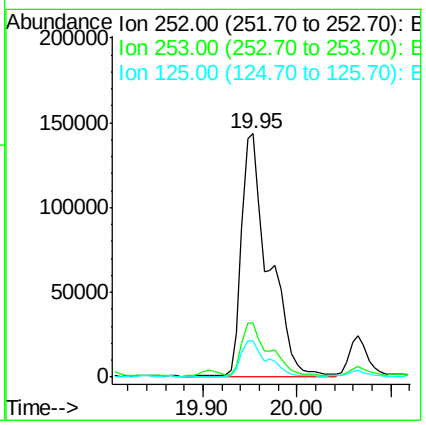


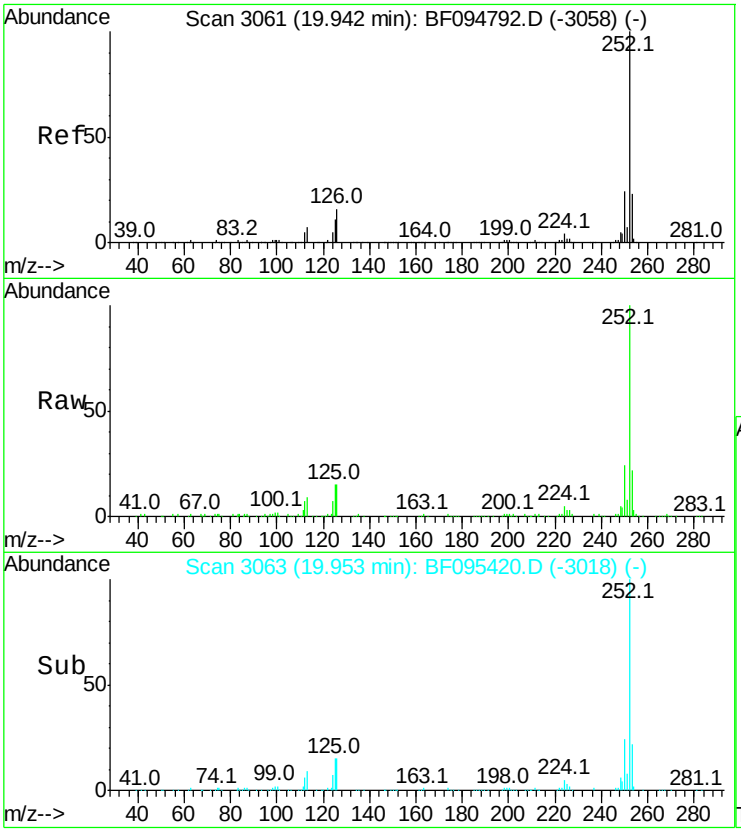


#87
Benzo(b)fluoranthene
Concen: 39.42 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:252 Resp: 285935

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.1	9.8	14.8#



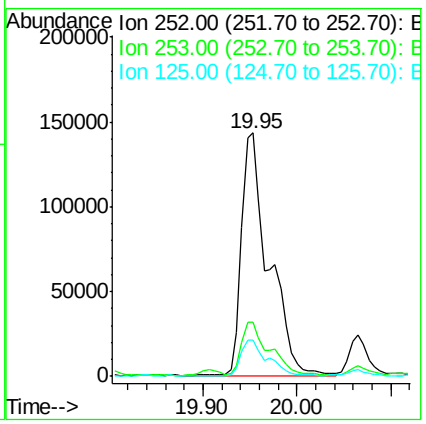


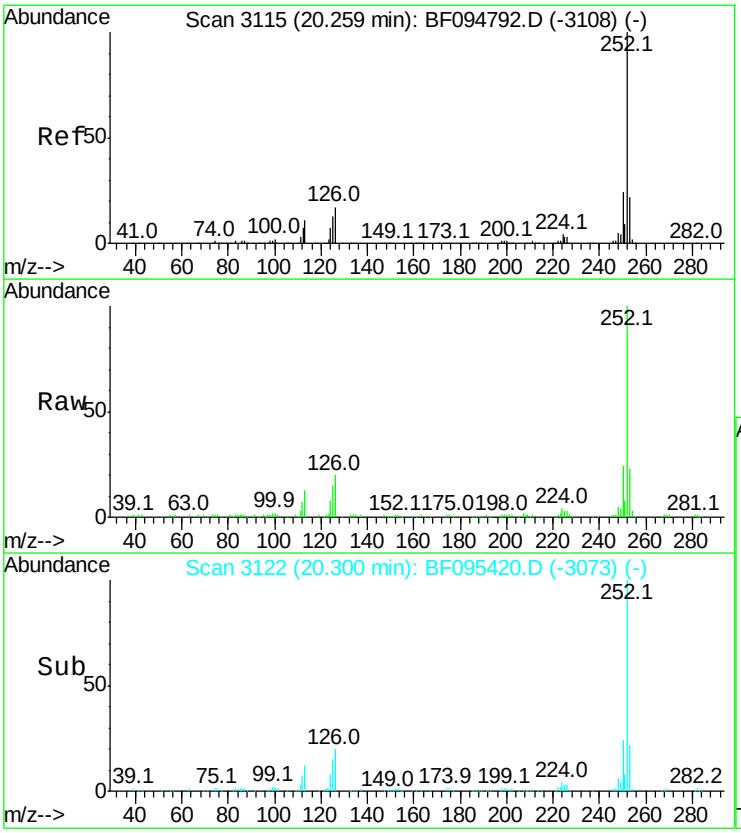
#88
Benzo(k)fluoranthene
Concen: 40.87 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 285935

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	15.1	13.1	19.7

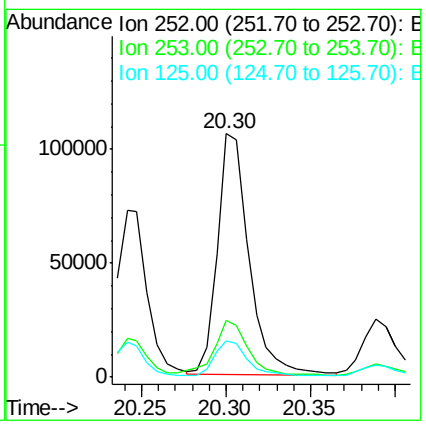


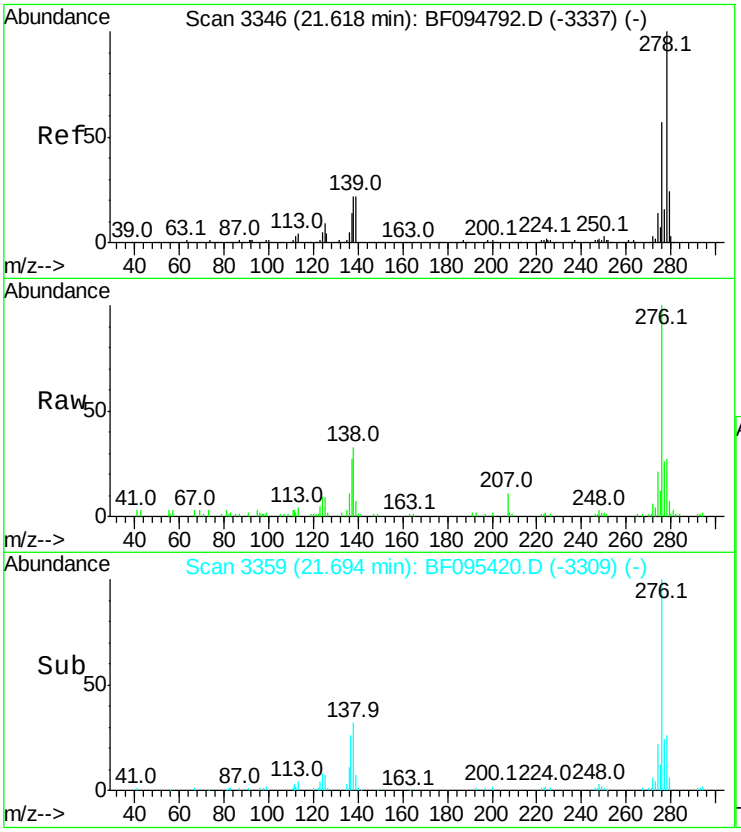


#89
Benzo(a)pyrene
Concen: 20.70 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:252 Resp: 138553

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.0	11.0	16.4



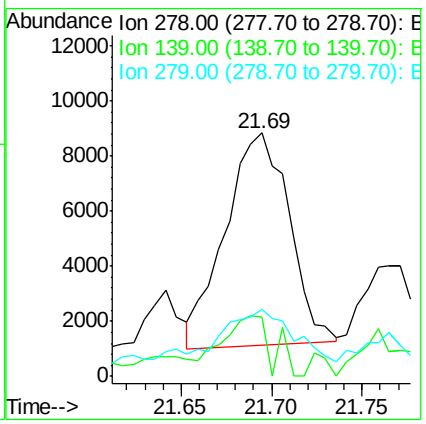


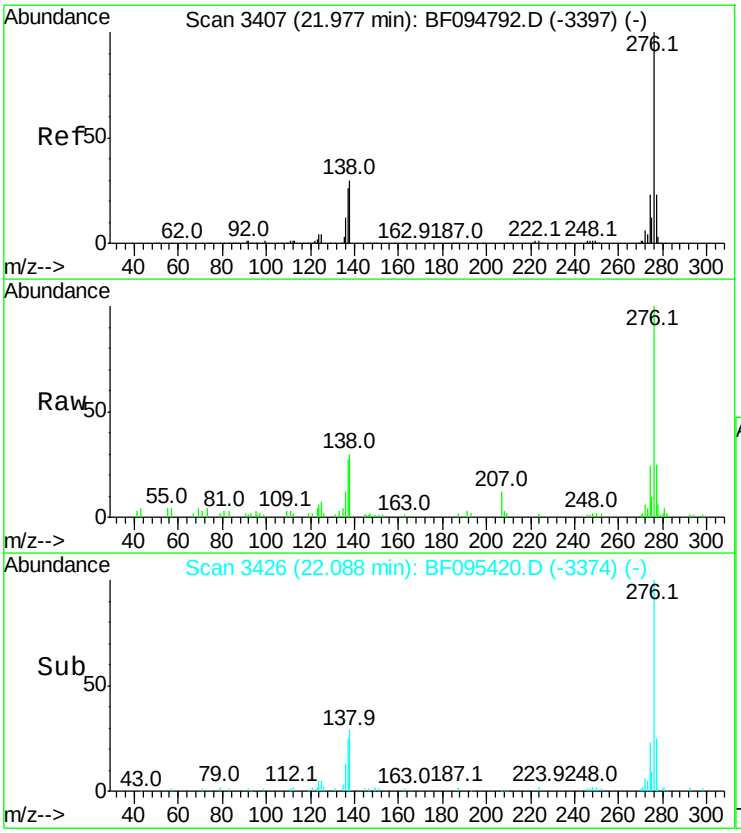
#90
Dibenzo(a,h)anthracene
Concen: 3.42 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 18926

Ion	Ratio	Lower	Upper
278	100		
139	24.3	16.6	24.8
279	27.3	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 11.58 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:276 Resp: 62816

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	30.4	25.4	38.0