Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051915\
Data File : BF079375.D
Acq On : 20 May 2015 9:16
Operator : TP/IZ
Sample : G2281-03DL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Time: May 20 12:45:54 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 20 05:08:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	46794	20.00	ng		0.00
21) Naphthalene-d8	8.71	136	196556	20.00	ng		0.00
38) Acenaphthene-d10	10.88	164	92203	20.00	ng		0.00
63) Phenanthrene-d10	12.72	188	182526	20.00	ng		0.00
75) Chrysene-d12	16.01	240	195134	20.00	ng		-0.01
86) Perylene-d12	17.81	264	215273	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	132456m	48.73	ng		0.00
7) Phenol-d6	6.70	99	171761	47.80	ng		-0.01
23) Nitrobenzene-d5	7.82	82	94348	27.59	ng		-0.01
41) 2,4,6-Tribromophenol	11.86	330	48471	48.59	ng		0.00
44) 2-Fluorobiphenyl	10.06	172	213104	32.20	ng		0.00
78) Terphenyl-d14	14.71	244	248683	30.51	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.73	128	72442	7.73	ng		99
37) 2-Methylnaphthalene	9.59	142	23242	3.58	ng		97
48) Acenaphthylene	10.70	152	23911	2.55	ng		98
51) Acenaphthene	10.91	154	35706	6.38	ng		98
54) Dibenzofuran	11.13	168	37133	4.59	ng		100
57) Fluorene	11.55	166	51905	7.82	ng		99
70) Phenanthrene	12.74	178	501813	49.14	ng		99
71) Anthracene	12.81	178	137402	13.72	ng		98
72) Carbazole	13.02	167	40297	4.22	ng		99
74) Fluoranthene	14.22	202	454291	42.70	ng		99
77) Pyrene	14.50	202	441043	39.22	ng		100
80) Benzo(a)anthracene	16.00	228	230751m	21.59	ng		
82) Chrysene	16.05	228	182855	17.79	ng		98
85) Indeno(1,2,3-cd)pyrene	19.20	276	106635	8.14	ng		96
87) Benzo(b)fluoranthene	17.35	252	219748m	18.65	ng		
88) Benzo(k)fluoranthene	17.36	252	88329m	7.74	ng		
89) Benzo(a)pyrene	17.74	252	177759	16.38	ng		98
90) Dibenzo(a,h)anthracene	19.21	278	25410	2.20	ng	#	88
91) Benzo(g,h,i)perylene	19.60	276	103219	8.93	ng	#	95

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

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 34 Sample Multiplier: 1

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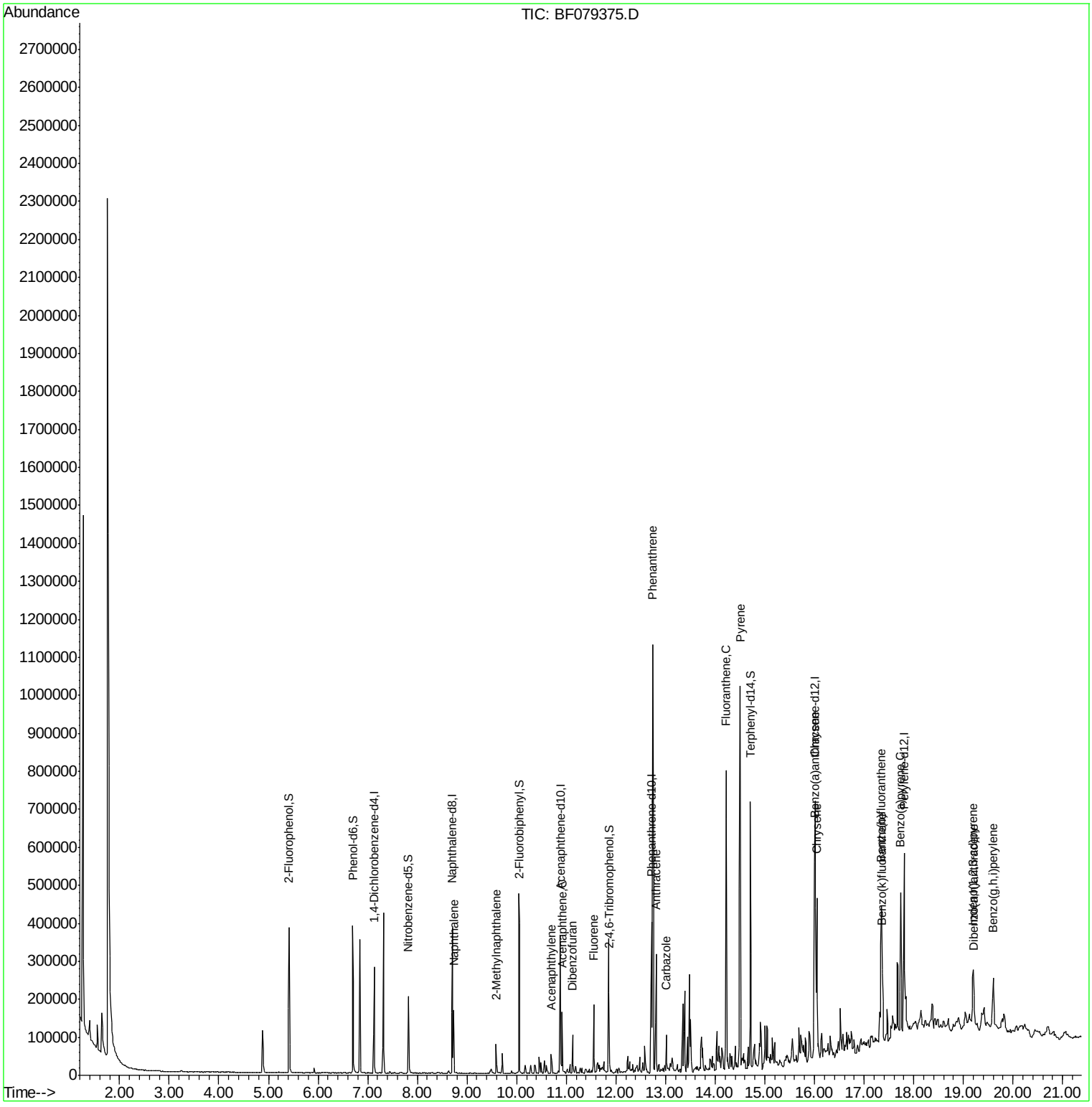
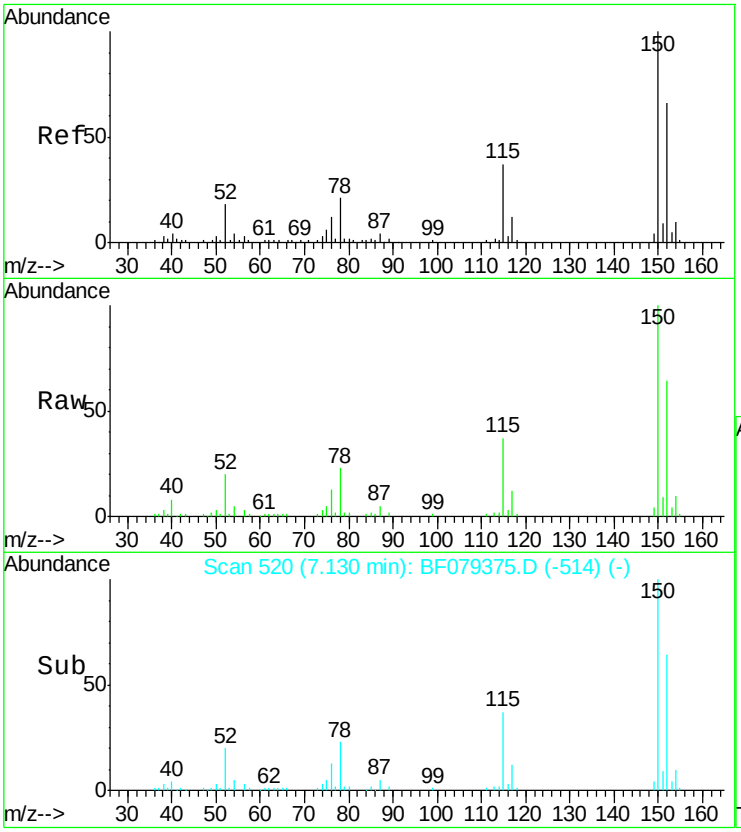


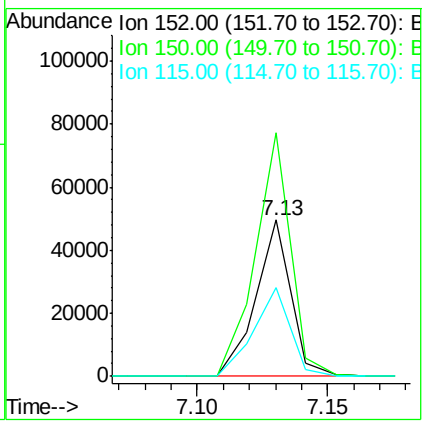


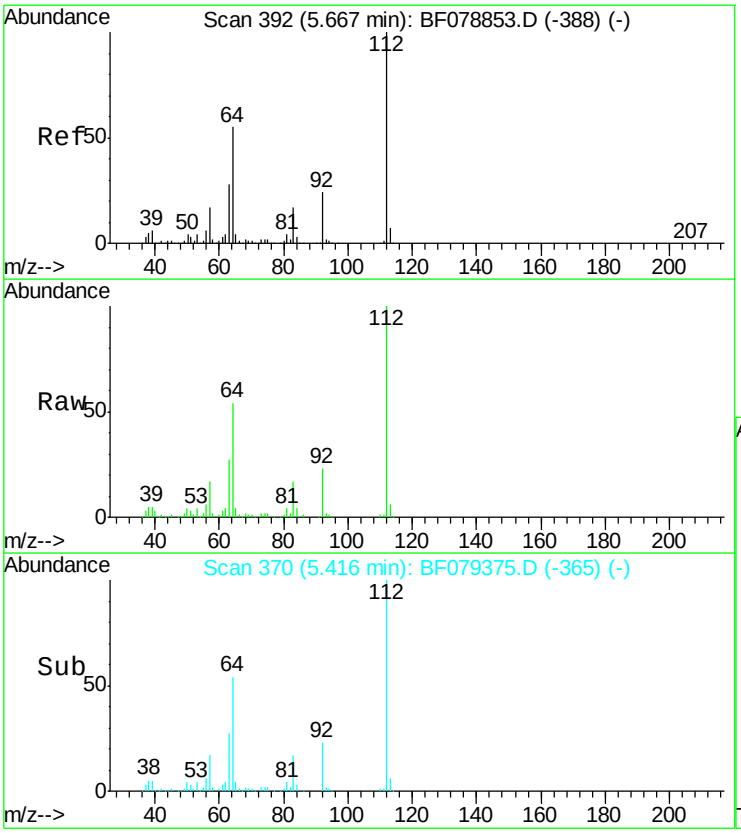
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.13 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:152 Resp: 46794

Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.8	185.8
115	57.0	49.4	74.0

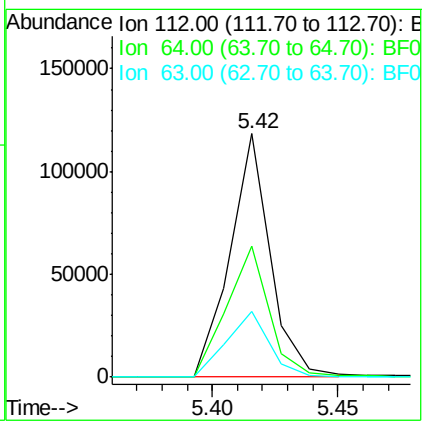


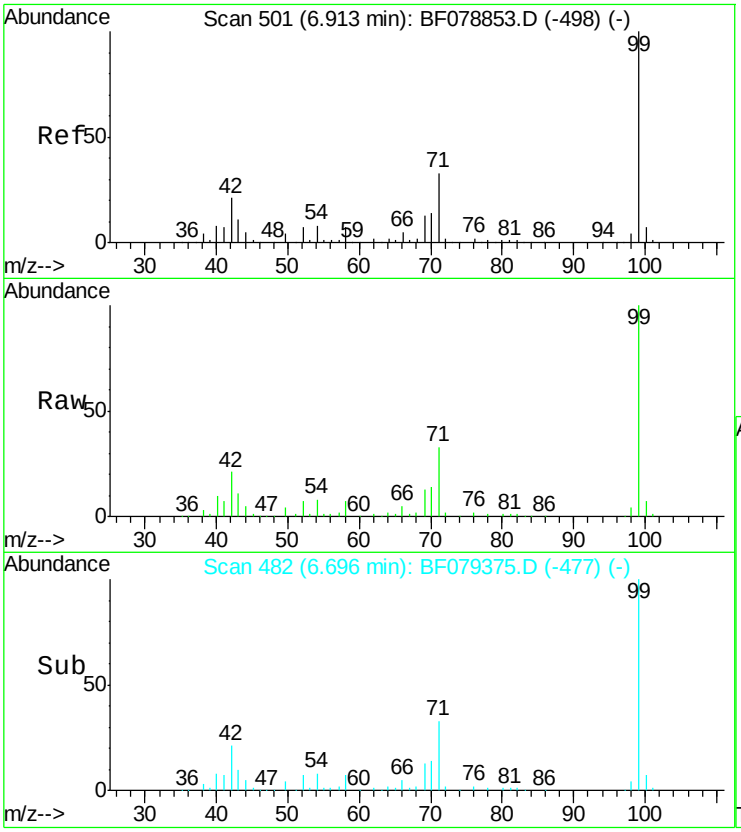


#5
2-Fluorophenol
Concen: 48.73 ng m
RT: 5.42 min Scan# 370
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:112 Resp: 132456

Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.2	66.2
63	26.8	22.7	34.1



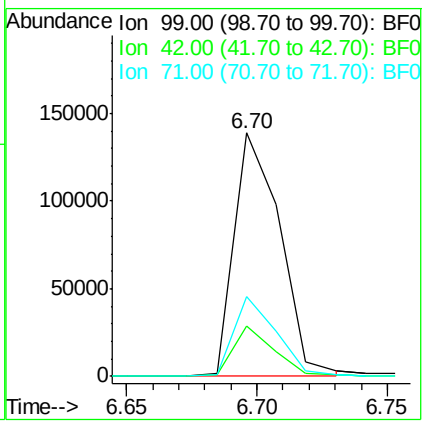


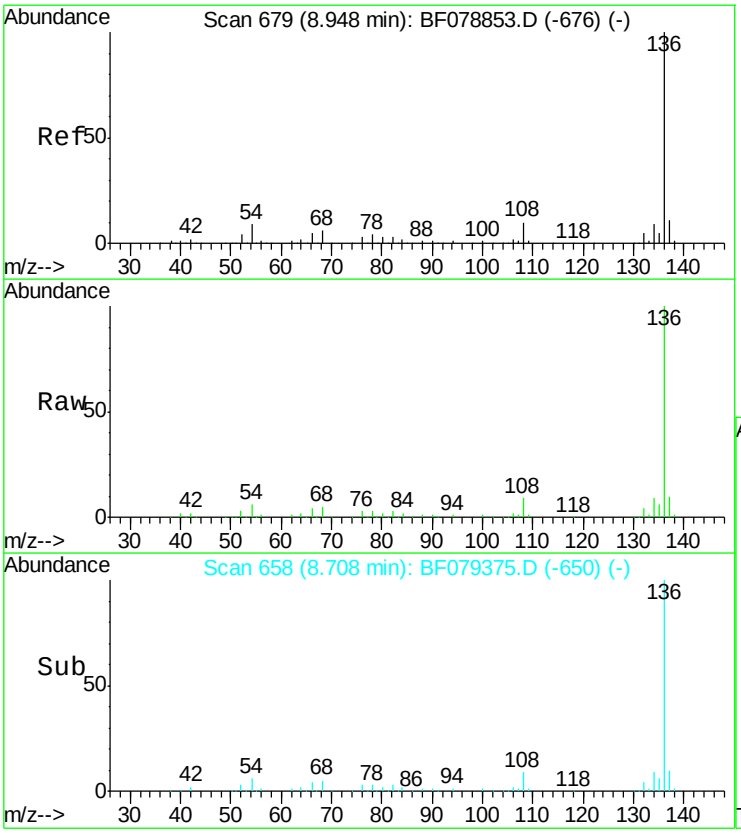
#7
Phenol-d6
Concen: 47.80 ng
RT: 6.70 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 99 Resp: 171761

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.1	25.7
71	32.6	26.3	39.5

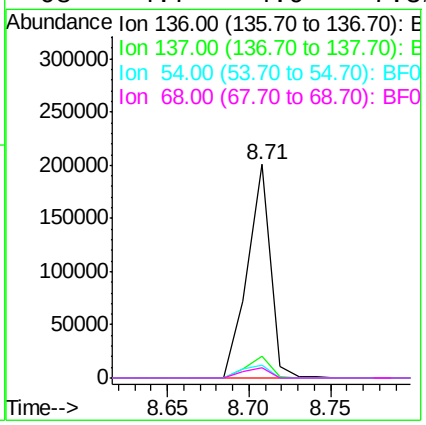


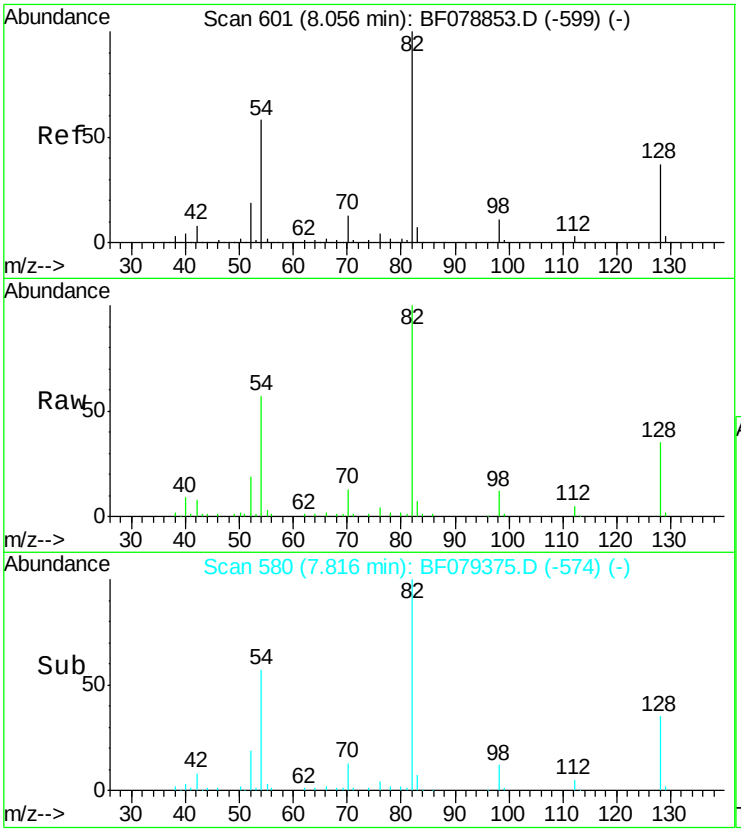


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:136 Resp: 196556

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.8	13.2
54	6.2	6.9	10.3#
68	4.7	4.9	7.3#



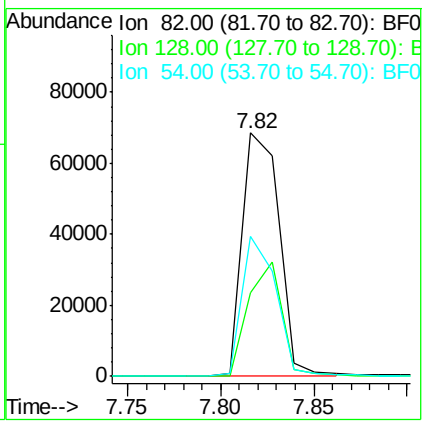


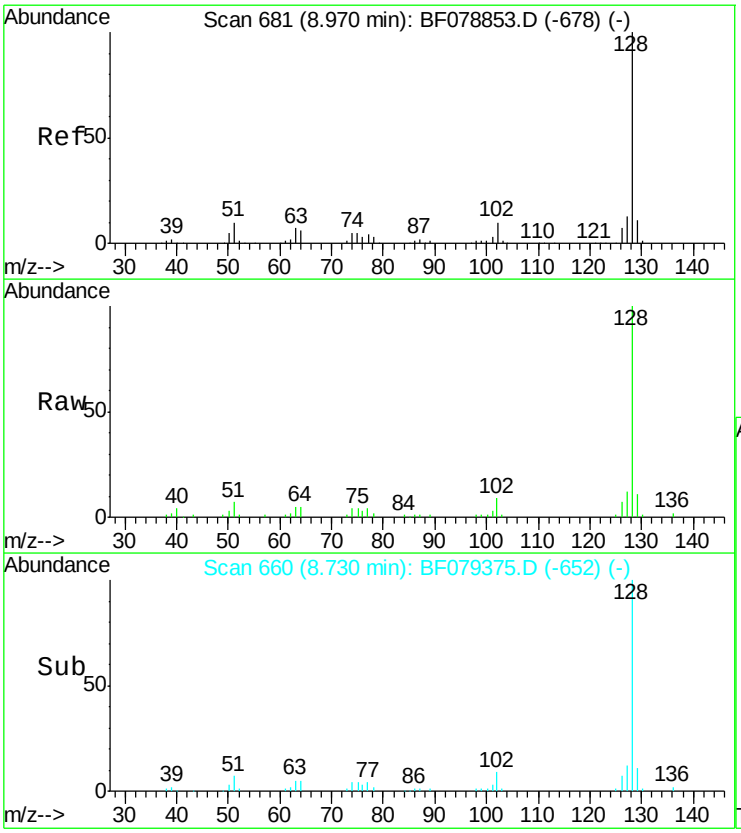
#23
Nitrobenzene-d5
Concen: 27.59 ng
RT: 7.82 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 82 Resp: 94348

Ion	Ratio	Lower	Upper
82	100		
128	34.5	29.7	44.5
54	57.3	46.2	69.4

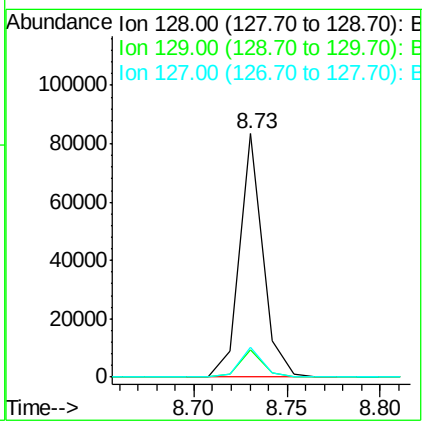


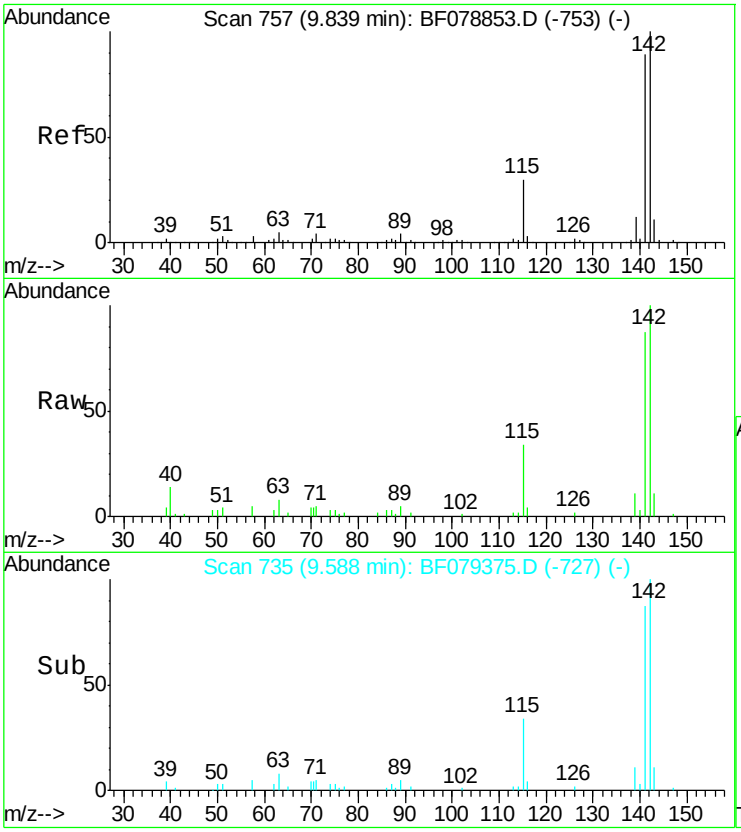


#31
Naphthalene
Concen: 7.73 ng
RT: 8.73 min Scan# 660
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:128 Resp: 72442

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	12.4	10.3	15.5



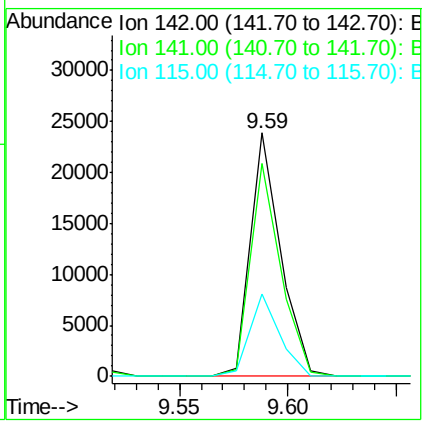


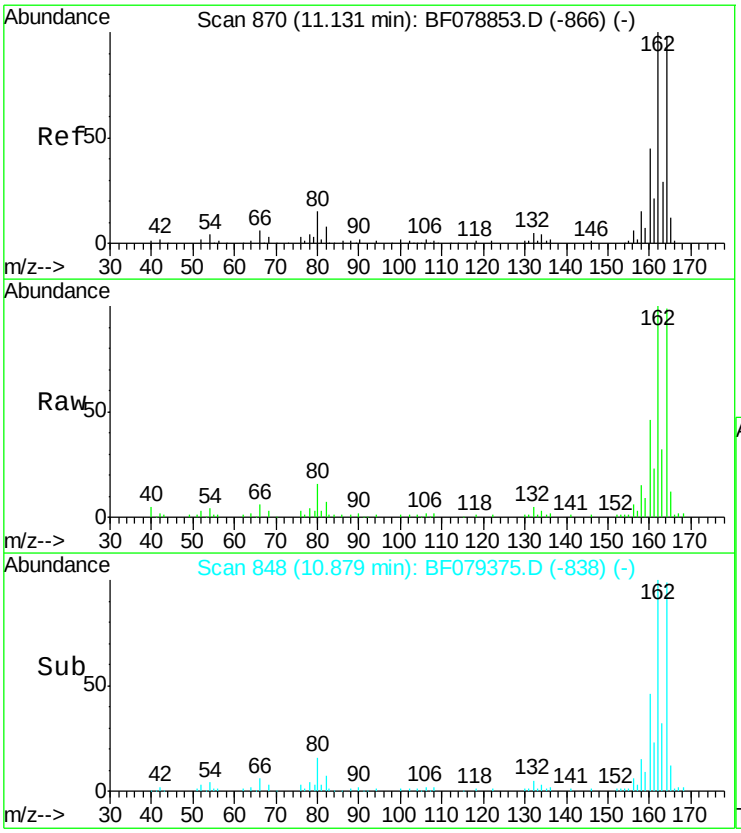
#37
2-Methylnaphthalene
Concen: 3.58 ng
RT: 9.59 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:142 Resp: 23242

Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.6	107.4
115	33.9	24.2	36.4

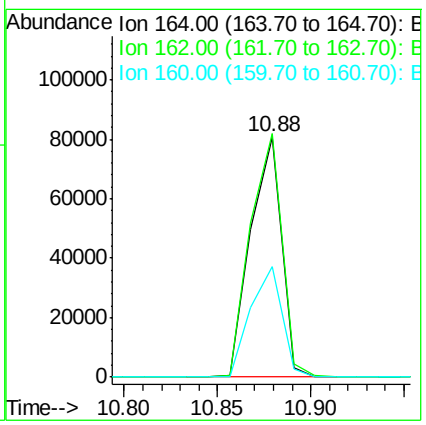


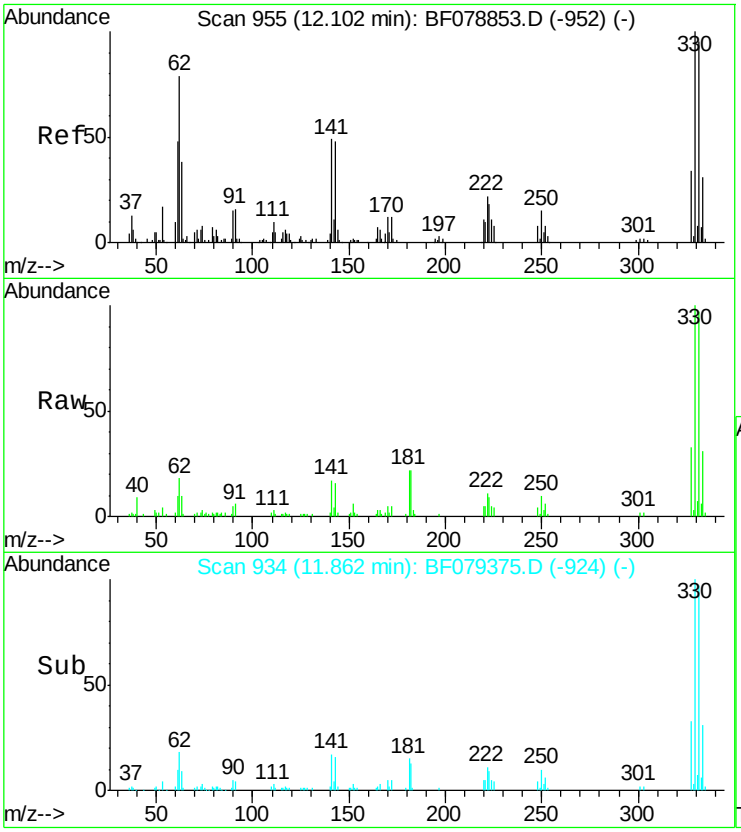


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:164 Resp: 92203

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.4	122.0
160	46.2	36.6	54.8



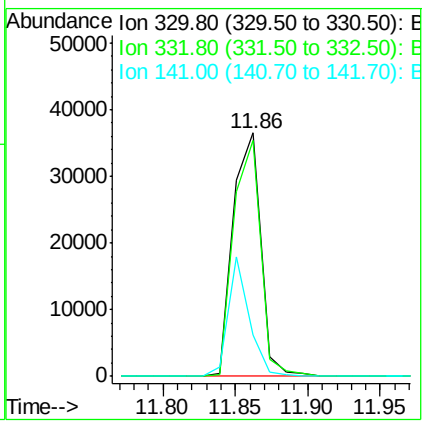


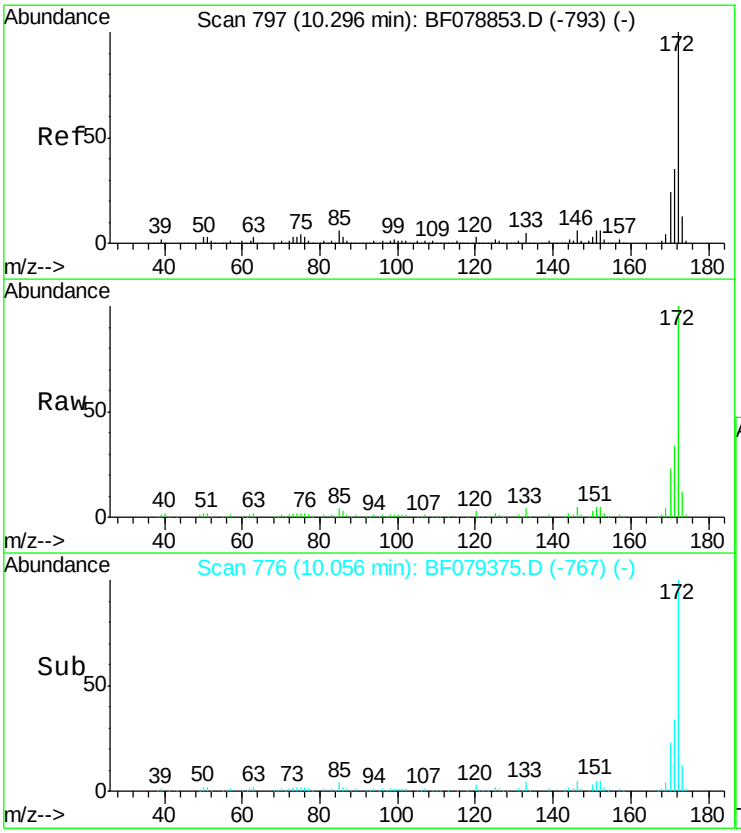
#41
2,4,6-Tribromophenol
Concen: 48.59 ng
RT: 11.86 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:330 Resp: 48471

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.9	115.3
141	37.5	27.8	41.8

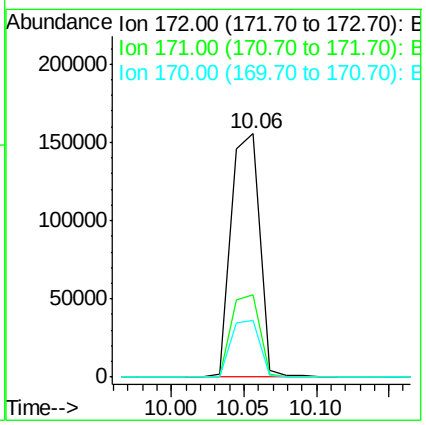


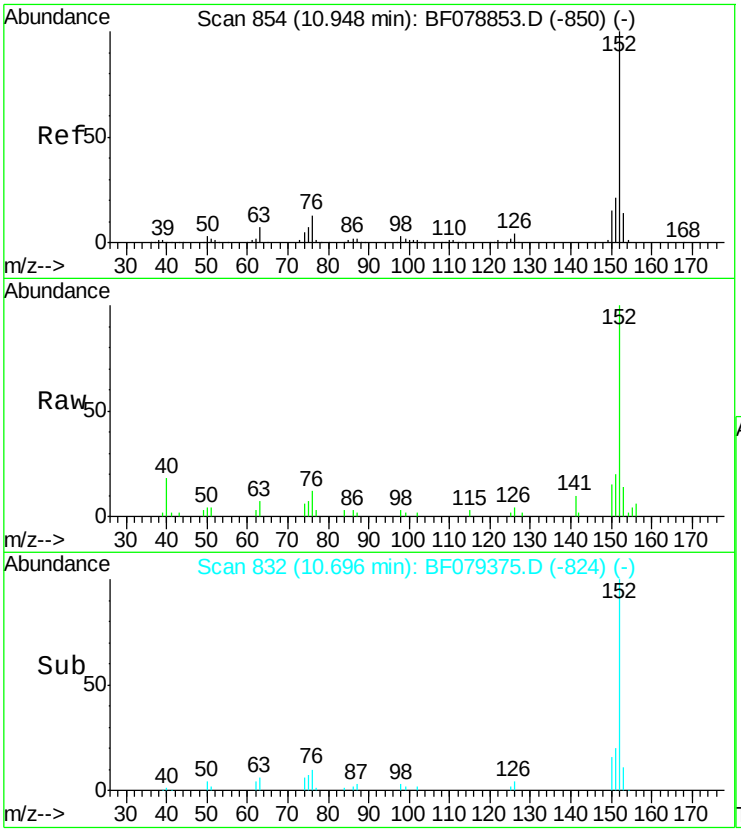


#44
2-Fluorobiphenyl
Concen: 32.20 ng
RT: 10.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:172 Resp: 213104

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.3	42.5
170	23.1	19.4	29.2



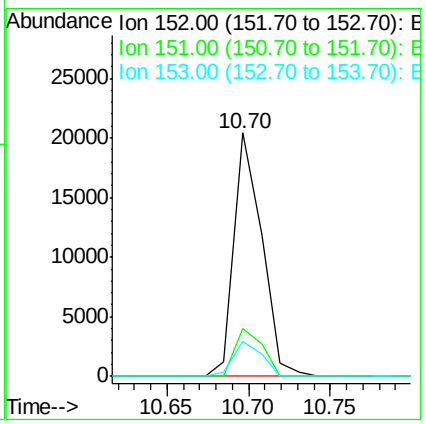


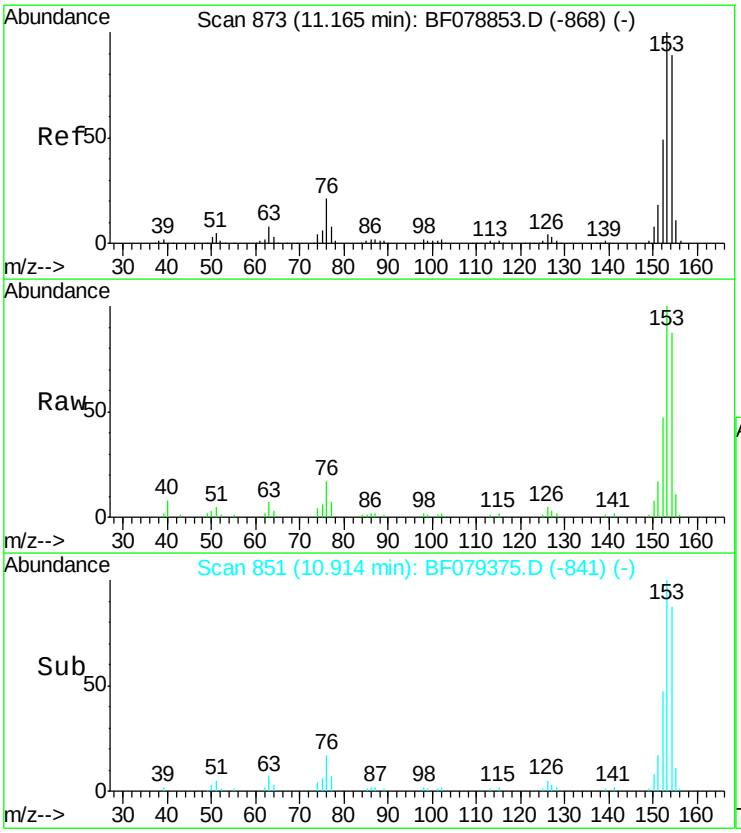
#48
Acenaphthylene
Concen: 2.55 ng
RT: 10.70 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:152 Resp: 23911

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.6	24.8
153	14.3	11.0	16.6

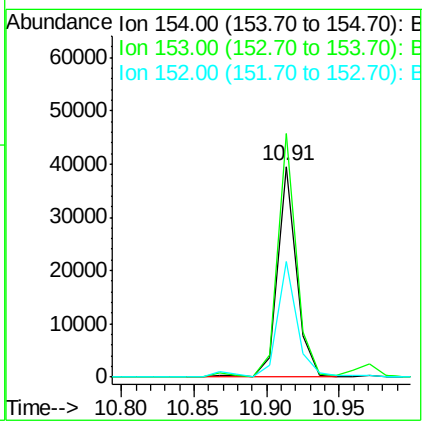


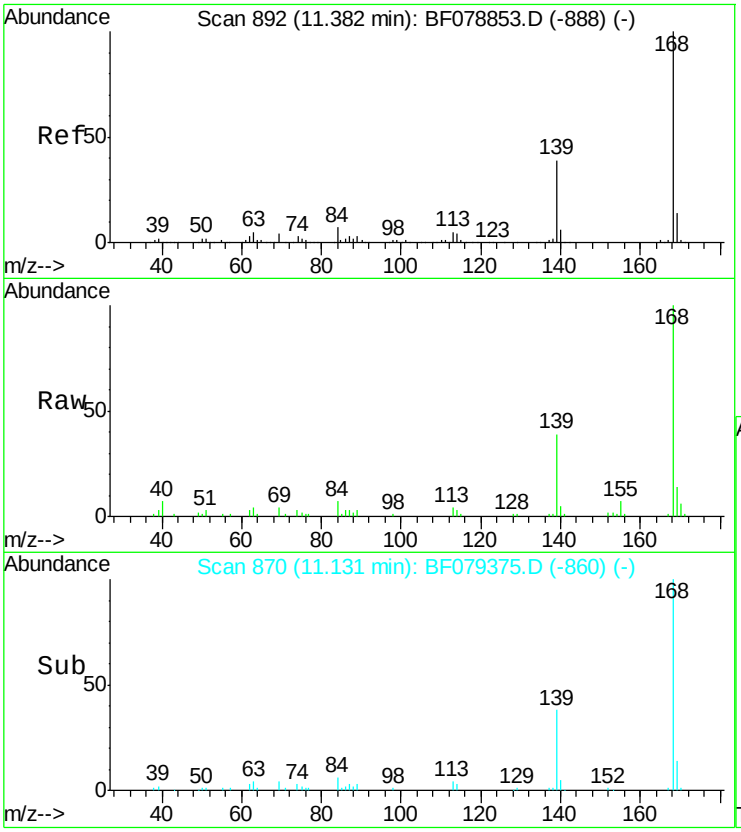


#51
Acenaphthene
Concen: 6.38 ng
RT: 10.91 min Scan# 851
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:154 Resp: 35706

Ion	Ratio	Lower	Upper
154	100		
153	115.5	90.2	135.2
152	54.8	43.8	65.8



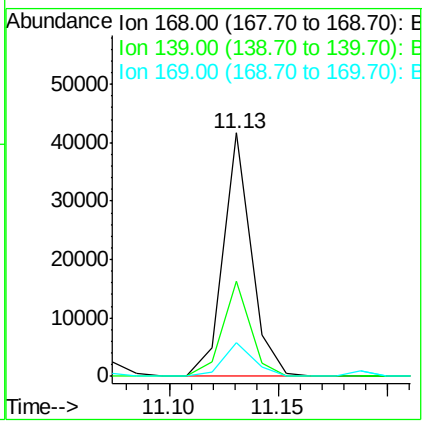


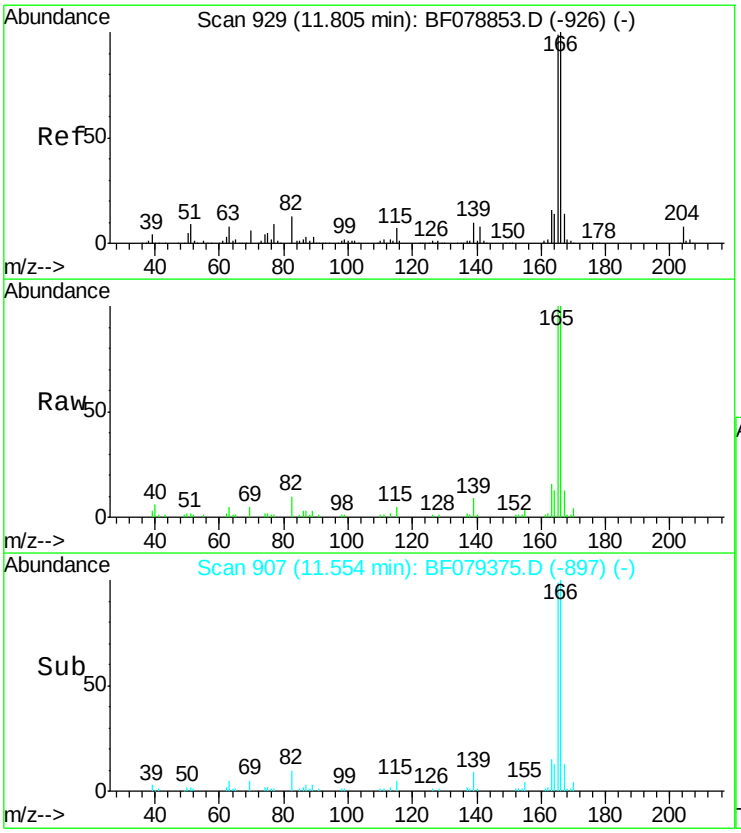
#54
Dibenzofuran
Concen: 4.59 ng
RT: 11.13 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:168 Resp: 37133

Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.5	47.3
169	13.9	11.0	16.4

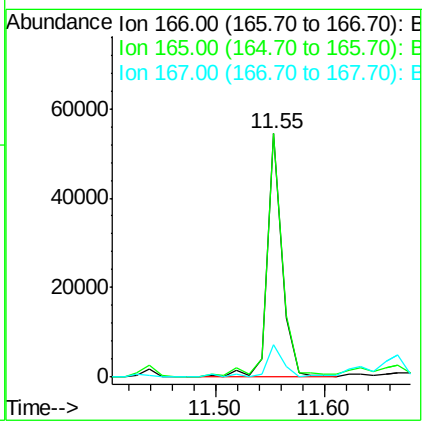


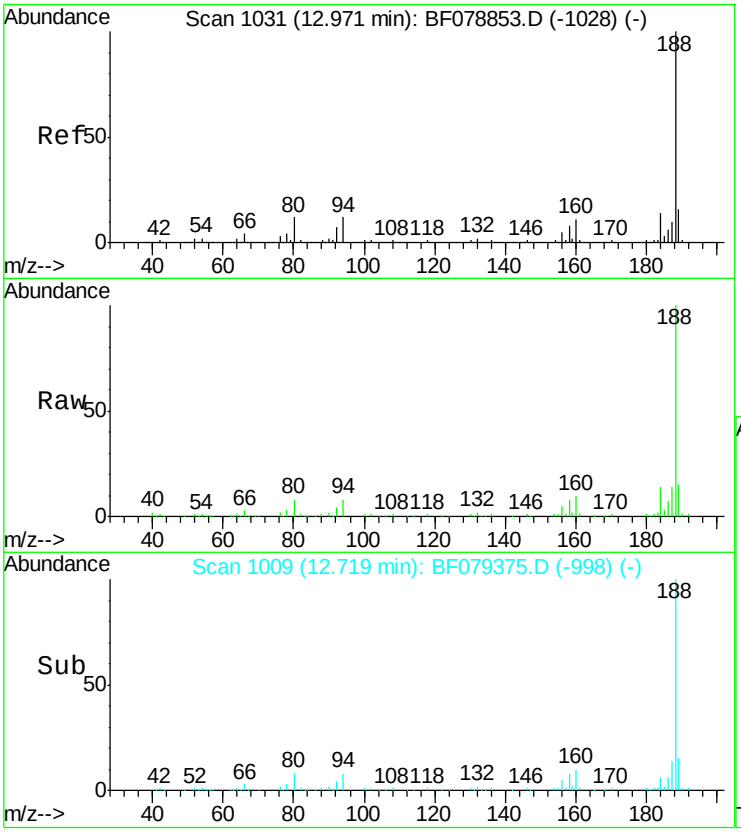


#57
Fluorene
Concen: 7.82 ng
RT: 11.55 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:166 Resp: 51905

Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.5	119.3
167	13.5	11.0	16.6



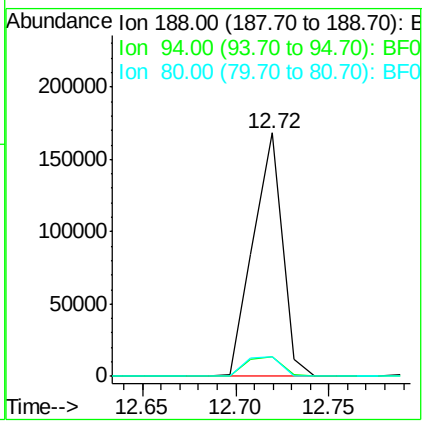


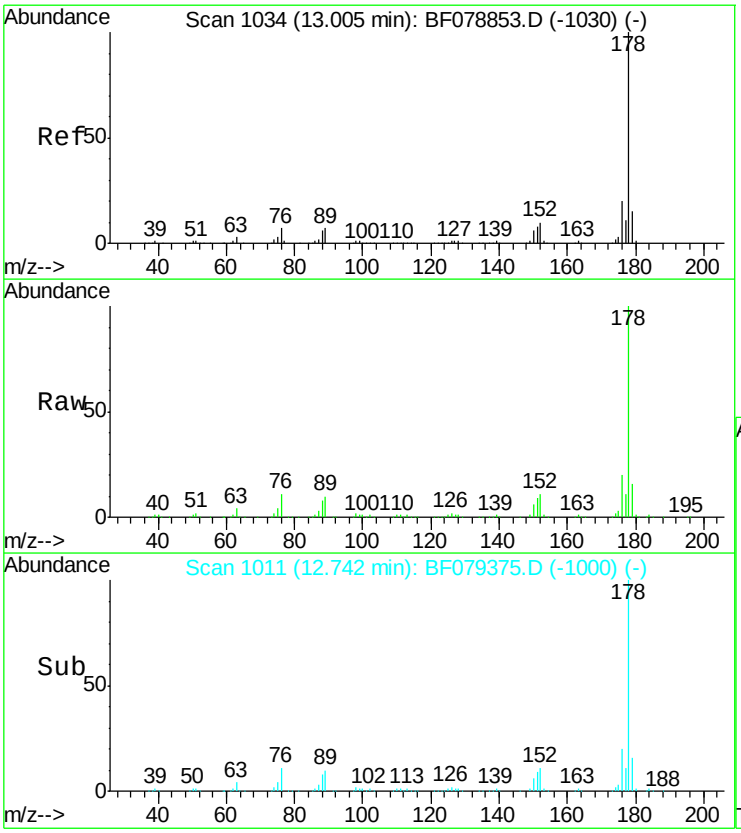
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:188 Resp: 182526

Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.4	14.0#
80	8.1	9.8	14.6#

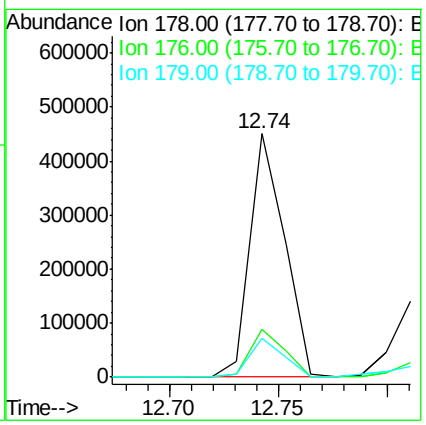


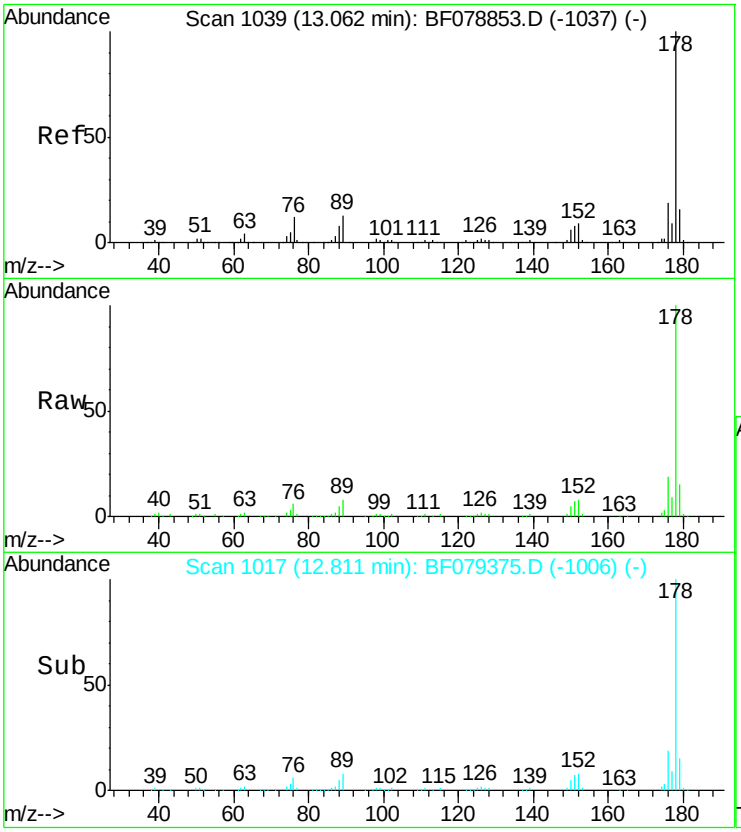


#70
Phenanthrene
Concen: 49.14 ng
RT: 12.74 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:178 Resp: 501813

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.7	12.2	18.4



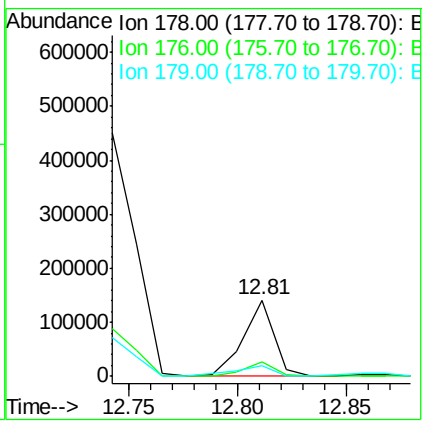


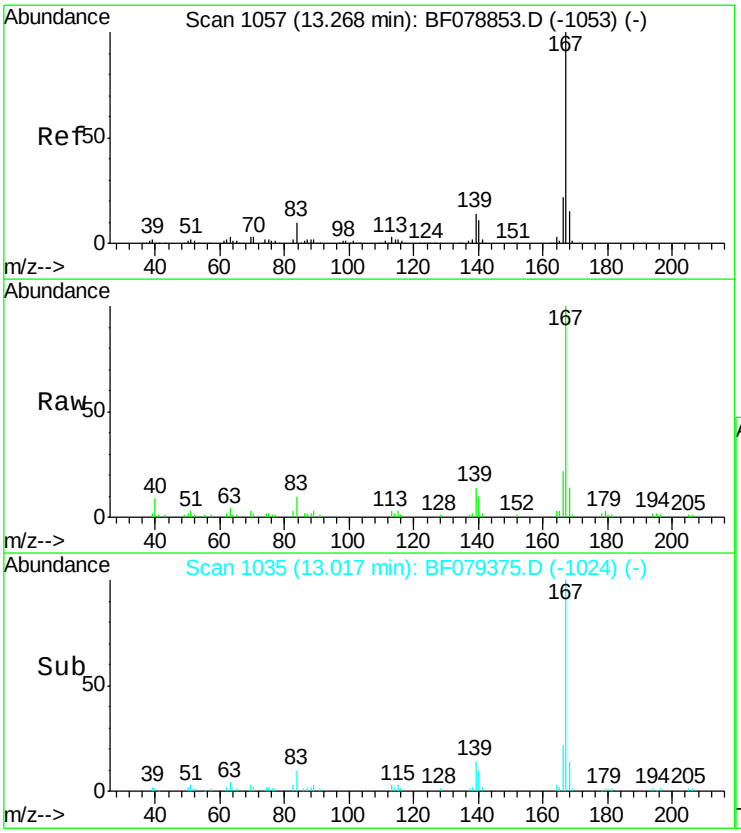
#71
Anthracene
Concen: 13.72 ng
RT: 12.81 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:178 Resp: 137402

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	14.8	12.6	19.0

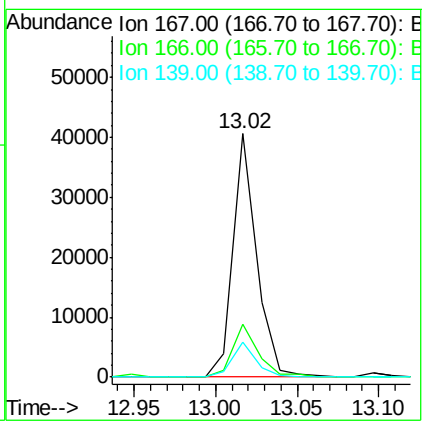


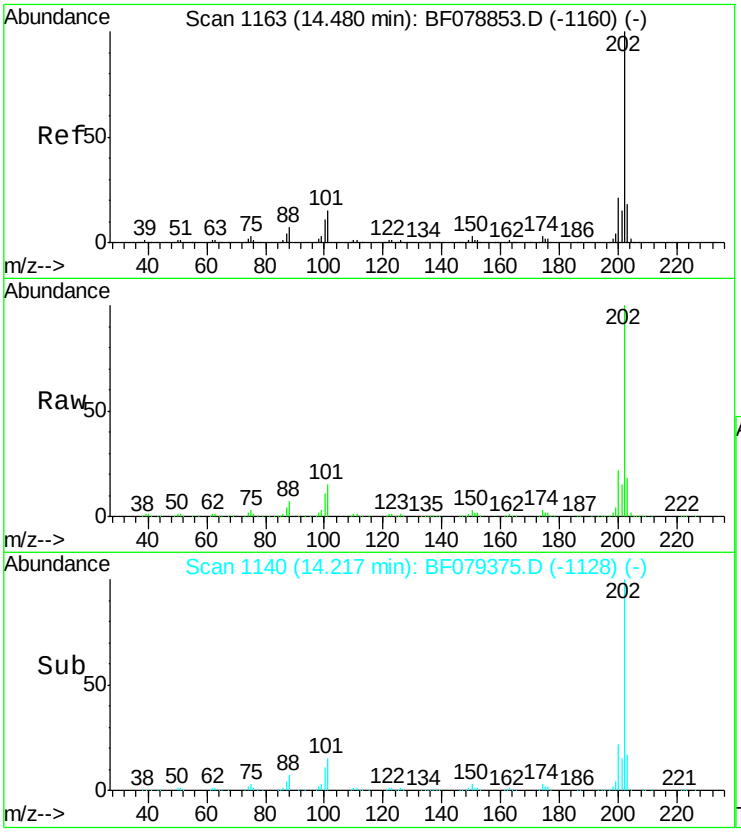


#72
Carbazole
Concen: 4.22 ng
RT: 13.02 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:167 Resp: 40297

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	14.1	11.0	16.4



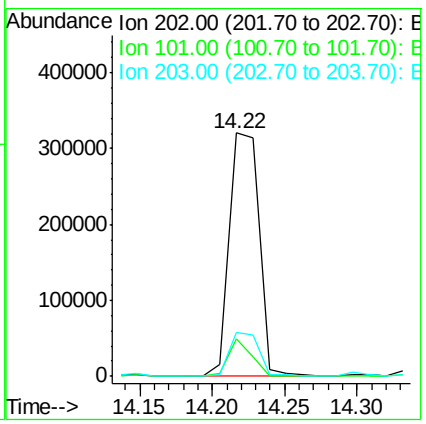


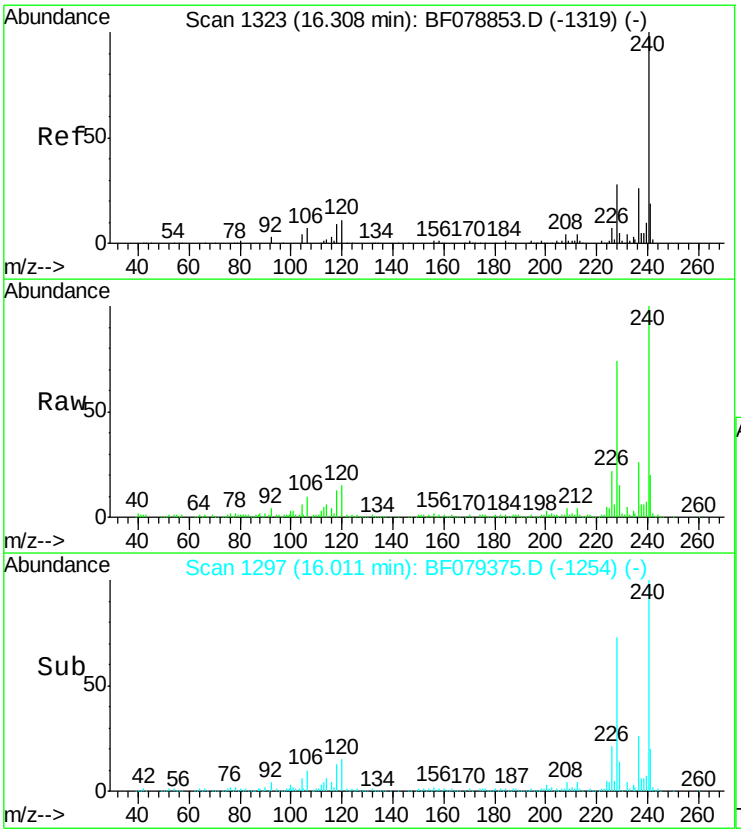
#74
Fluoranthene
Concen: 42.70 ng
RT: 14.22 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:202 Resp: 454291

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.7
203	18.0	0.0	37.9

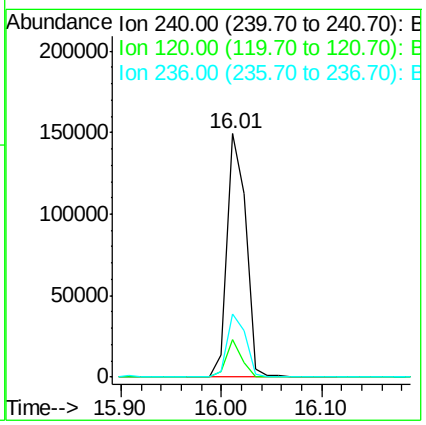


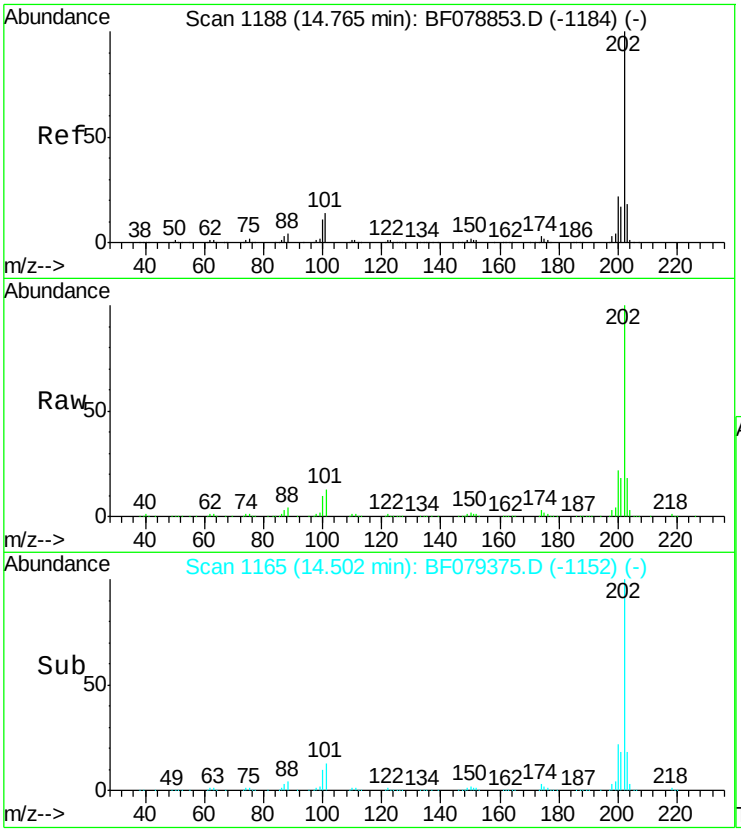


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.01 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:240 Resp: 195134

Ion	Ratio	Lower	Upper
240	100		
120	15.3	8.6	12.8#
236	26.2	21.0	31.6



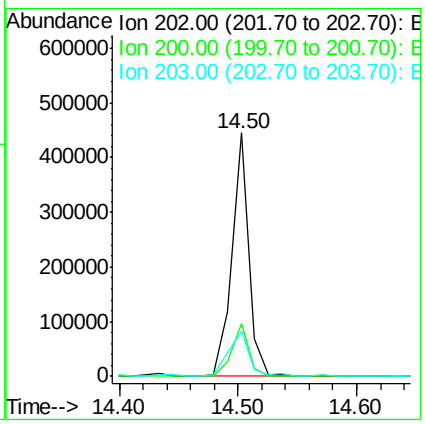


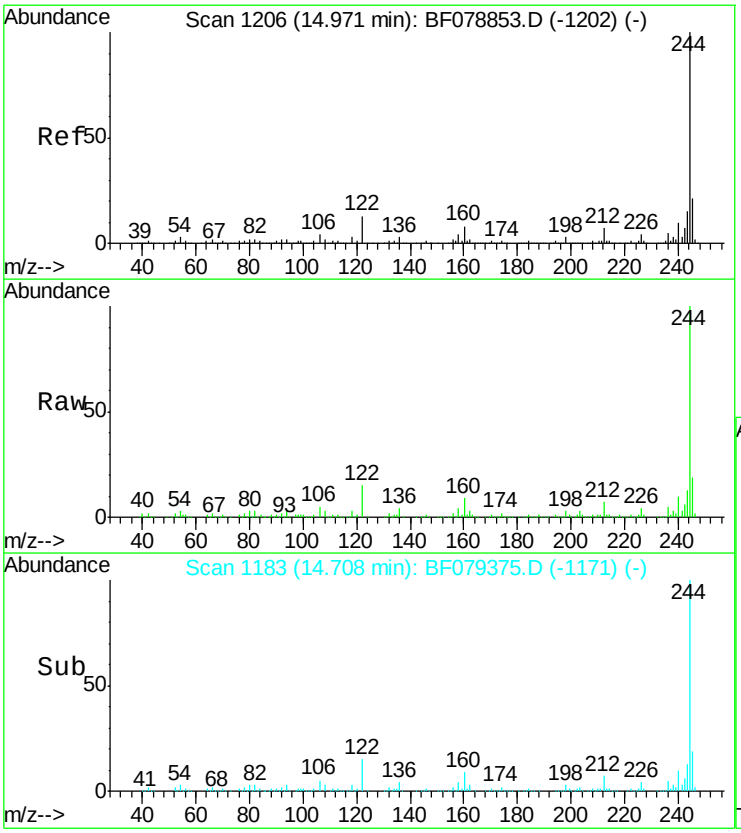
#77
Pyrene
Concen: 39.22 ng
RT: 14.50 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:202 Resp: 441043

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3
203	18.4	14.7	22.1

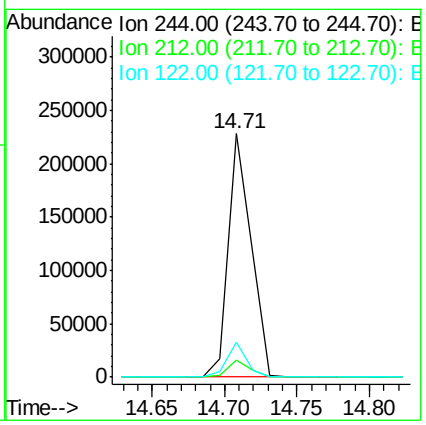


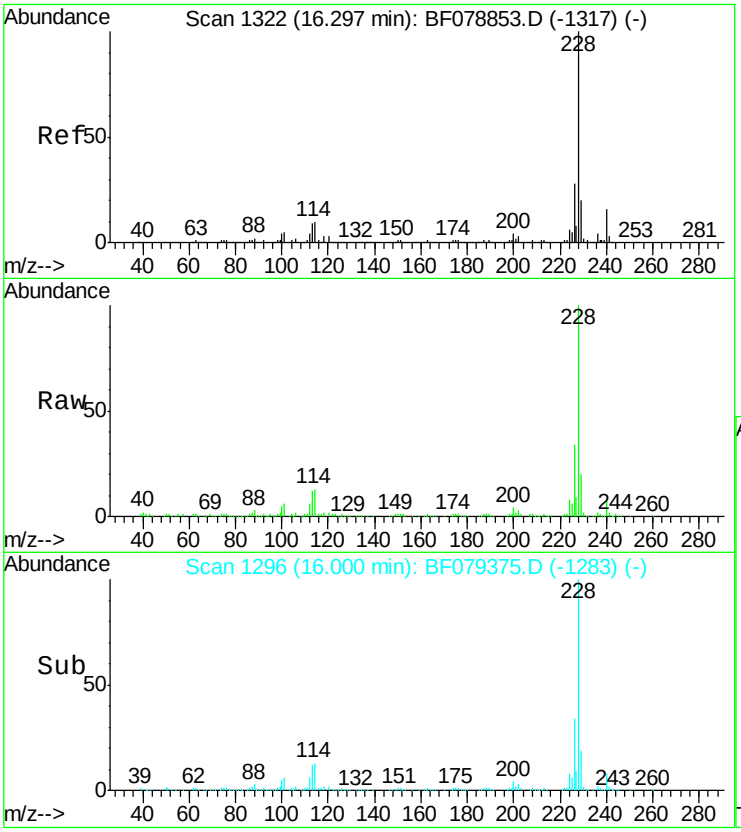


#78
Terphenyl-d14
Concen: 30.51 ng
RT: 14.71 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:244 Resp: 248683

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	14.5	10.5	15.7



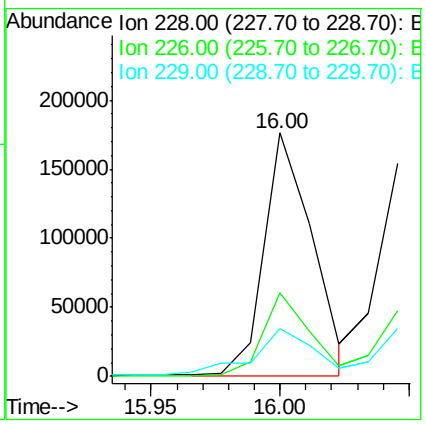


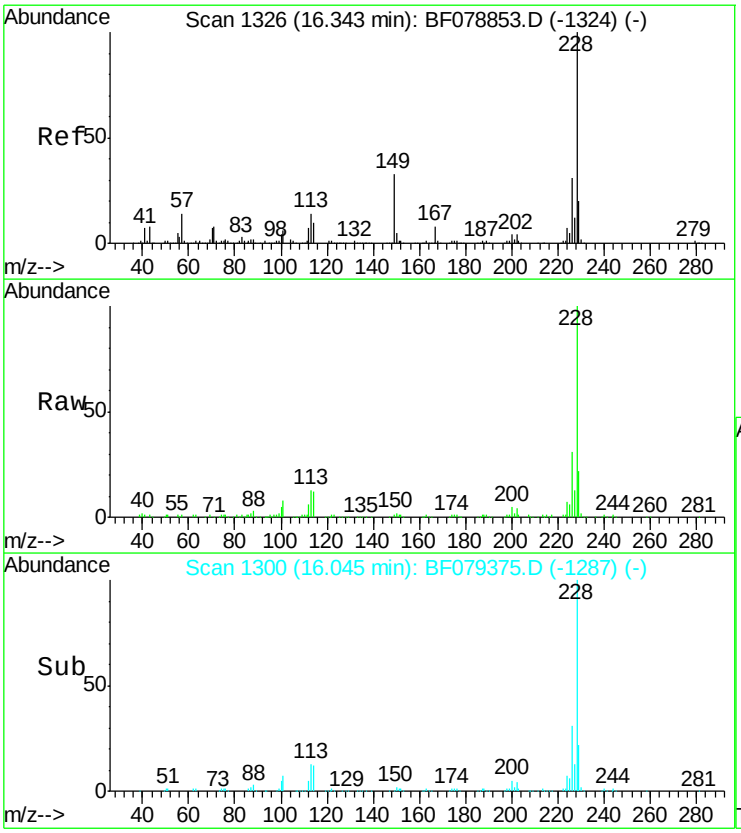
#80
Benzo(a)anthracene
Concen: 21.59 ng m
RT: 16.00 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:228 Resp: 230751

Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.3	33.5#
229	19.8	16.1	24.1

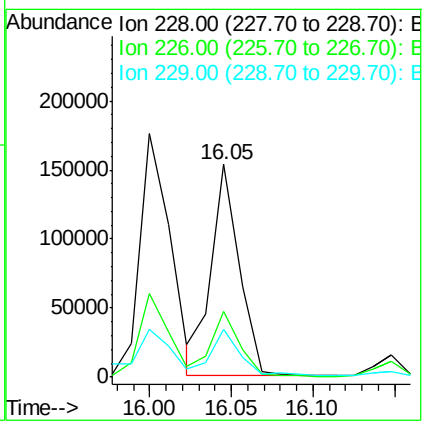


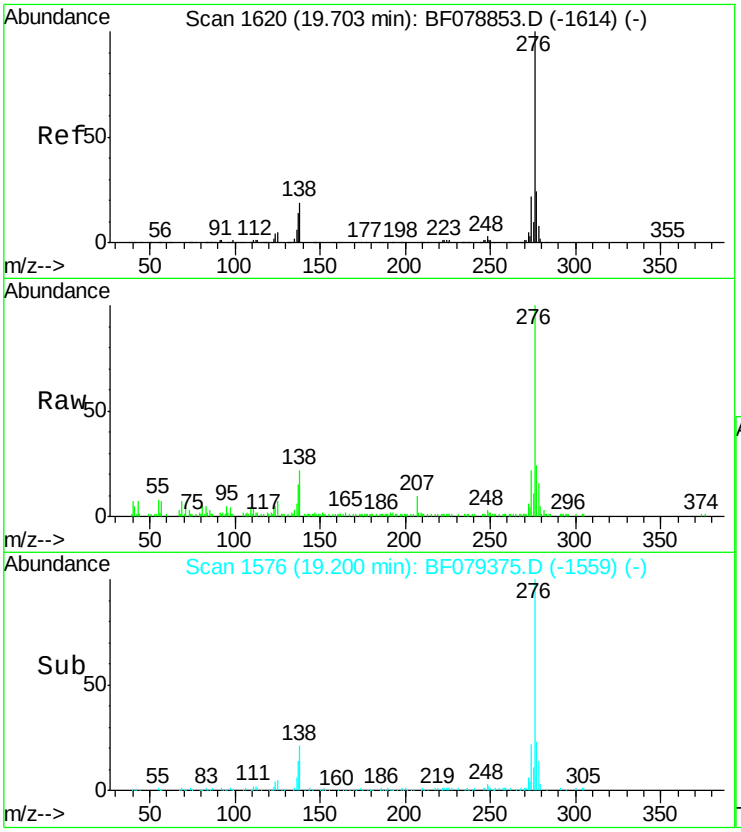


#82
Chrysene
Concen: 17.79 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:228 Resp: 182855

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	22.4	16.1	24.1



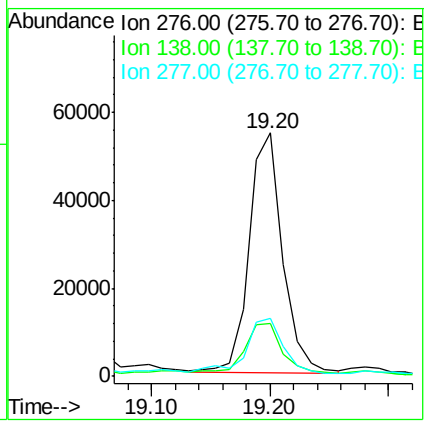


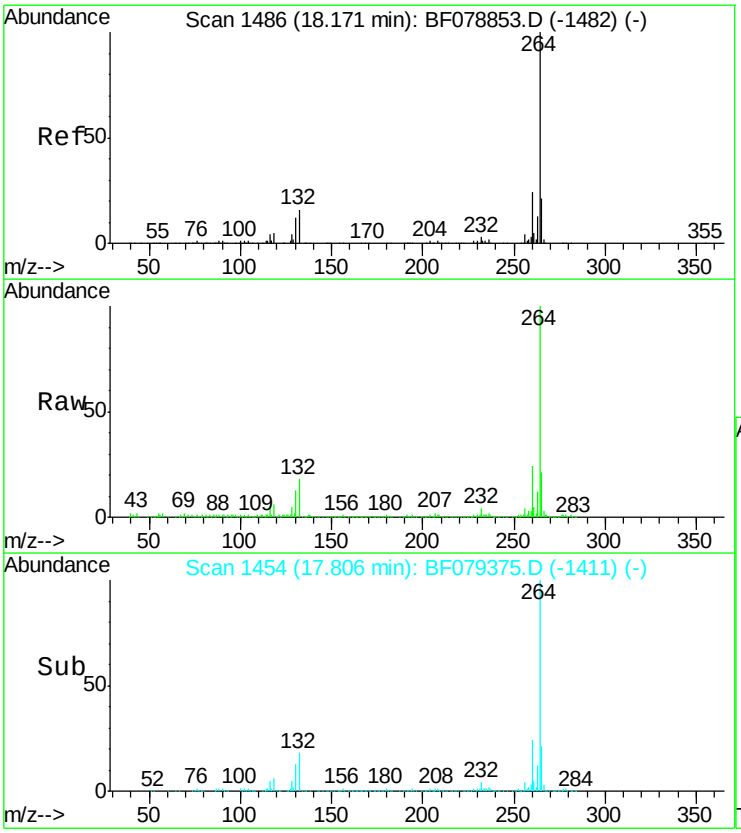
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.14 ng
RT: 19.20 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:276 Resp: 106635

Ion	Ratio	Lower	Upper
276	100		
138	24.3	21.1	31.7
277	26.6	19.9	29.9

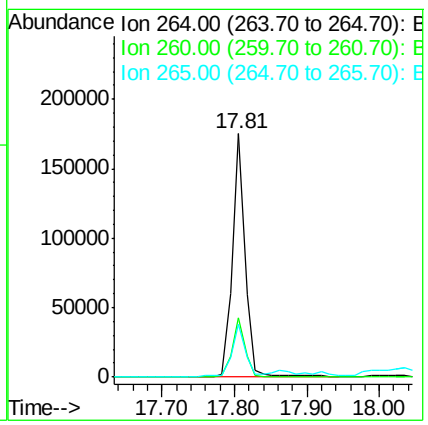


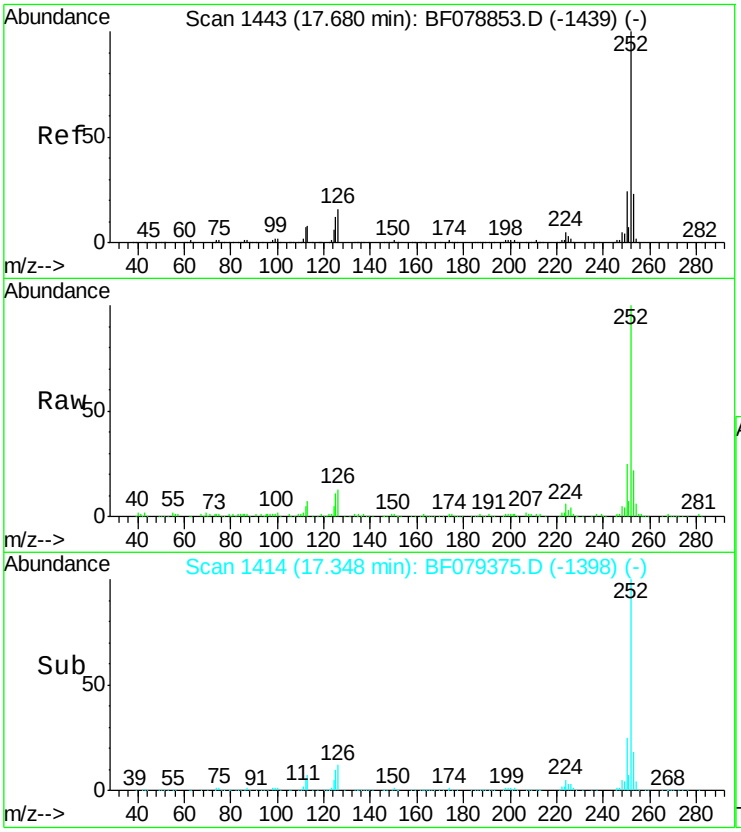


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:264 Resp: 215273

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.2	25.8



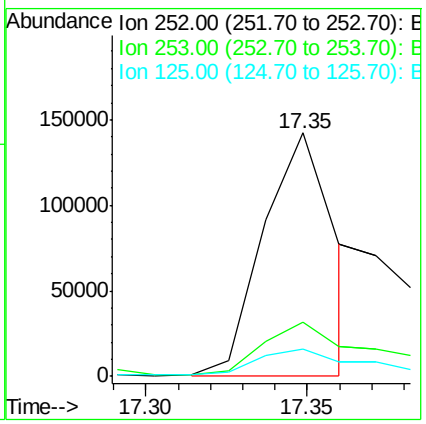


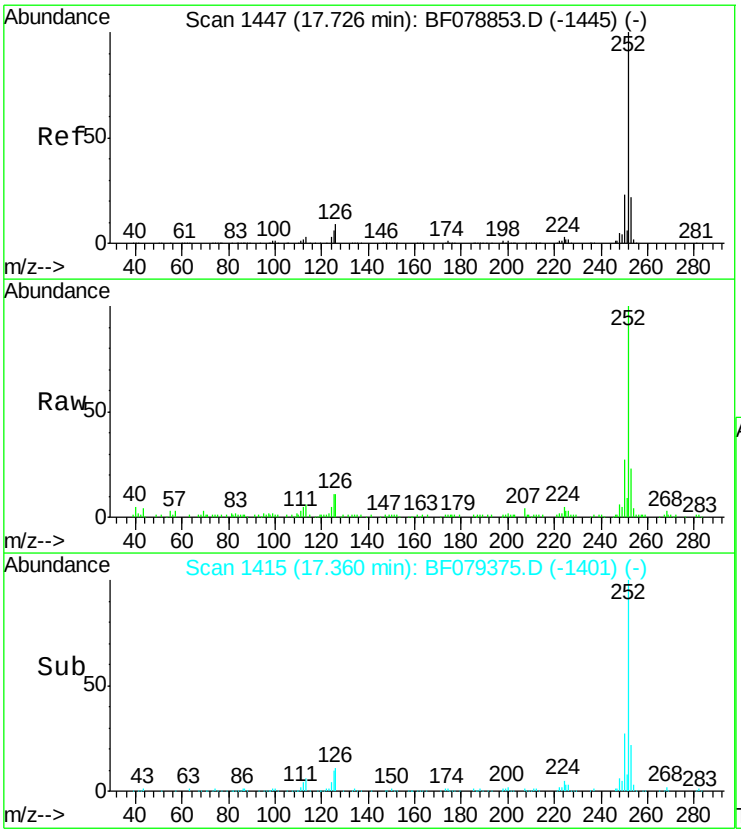
#87
Benzo(b)fluoranthene
Concen: 18.65 ng m
RT: 17.35 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:252 Resp: 219748

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.0	9.4	14.2

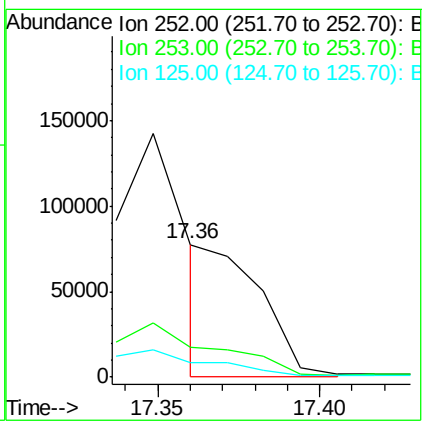


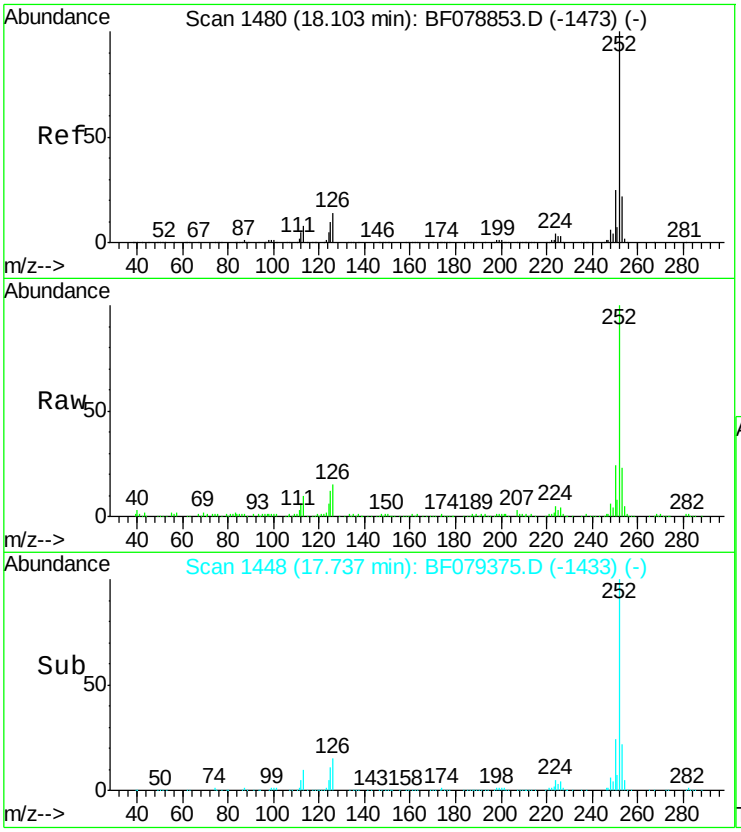


#88
Benzo(k)fluoranthene
Concen: 7.74 ng m
RT: 17.36 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:252 Resp: 88329

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.0	6.1	9.1#



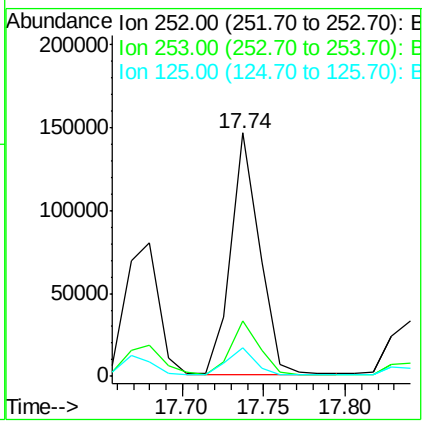


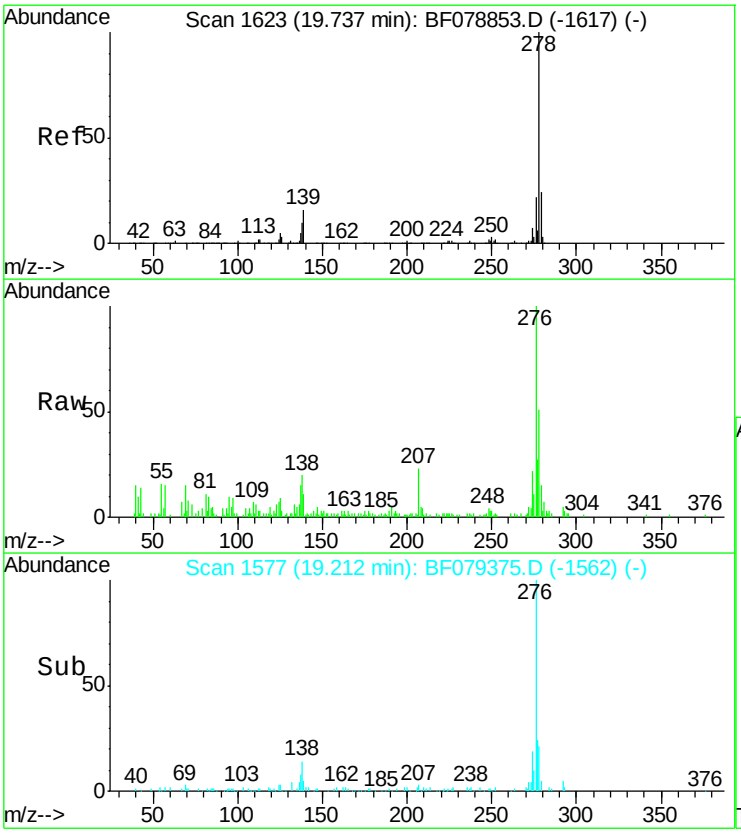
#89
Benzo(a)pyrene
Concen: 16.38 ng
RT: 17.74 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:252 Resp: 177759

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.8	8.2	12.2

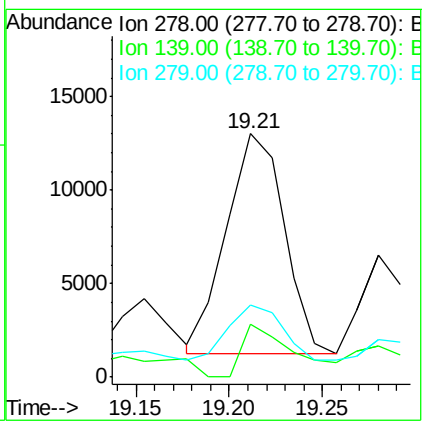


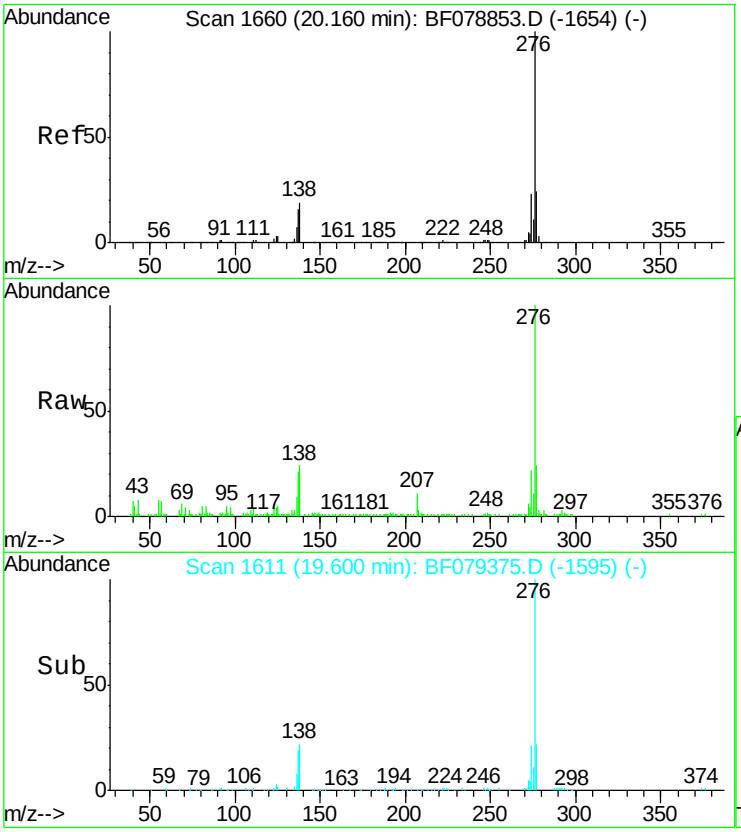


#90
Dibenzo(a,h)anthracene
Concen: 2.20 ng
RT: 19.21 min Scan# 1577
Delta R.T. -0.03 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Tgt Ion:278 Resp: 25410

Ion	Ratio	Lower	Upper
278	100		
139	21.5	13.1	19.7#
279	29.5	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 8.93 ng
RT: 19.60 min Scan# 1611
Delta R.T. -0.02 min
Lab File: BF079375.D
Acq: 20 May 2015 9:16

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:276 Resp: 103219

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	23.8	15.2	22.8#