Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP5-SS-1(2-4)

Quant Time: Jan 13 11:32:08 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 12 10:43:48 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	29777	20.00	ng		0.00
21) Naphthalene-d8	11.00	136	130325	20.00	ng		0.00
38) Acenaphthene-d10	15.12	164	66520	20.00	ng		-0.01
63) Phenanthrene-d10	17.85	188	111000	20.00	ng		0.00
75) Chrysene-d12	21.36	240	111588	20.00	ng		0.01
86) Perylene-d12	23.04	264	110776	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.17	112	216484	121.32	ng		-0.01
7) Phenol-d6	7.49	99	277243	123.41	ng		-0.01
23) Nitrobenzene-d5	9.37	82	167061	71.23	ng		-0.01
41) 2,4,6-Tribromophenol	16.77	330	59730	107.58	ng		-0.01
44) 2-Fluorobiphenyl	13.65	172	286147	63.31	ng		0.00
78) Terphenyl-d14	20.08	244	258608	50.88	ng		0.01
Target Compounds							Qvalue
10) Phenol	7.51	94	5756	2.35	ng		93
48) Acenaphthylene	14.78	152	112505	16.15	ng		99
49) Dimethylphthalate	14.70	163	17220	3.56	ng	#	97
51) Acenaphthene	15.20	154	21082	5.36	ng		97
57) Fluorene	16.32	166	24956	5.19	ng	#	94
70) Phenanthrene	17.90	178	481055	69.54	ng		100
71) Anthracene	17.97	178	161327	24.01	ng		99
72) Carbazole	18.24	167	42407	6.44	ng	#	93
74) Fluoranthene	19.55	202	1528510	215.74	ng		98
77) Pyrene	19.83	202	1403133	174.75	ng		97
80) Benzo(a)anthracene	21.35	228	833135	117.20	ng		99
82) Chrysene	21.40	228	693660m	107.85	ng		
85) Indeno(1,2,3-cd)pyrene	24.21	276	389749	61.23	ng	#	100
87) Benzo(b)fluoranthene	22.63	252	987952m	128.75	ng		
88) Benzo(k)fluoranthene	22.65	252	244010m	36.38	ng		
89) Benzo(a)pyrene	22.99	252	657492m	99.72	ng		
90) Dibenzo(a,h)anthracene	24.22	278	93621m	15.58	ng		
91) Benzo(g,h,i)perylene	24.53	276	360931	58.87	ng		96

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

Quantitation Report (QT/LSC Reviewed)

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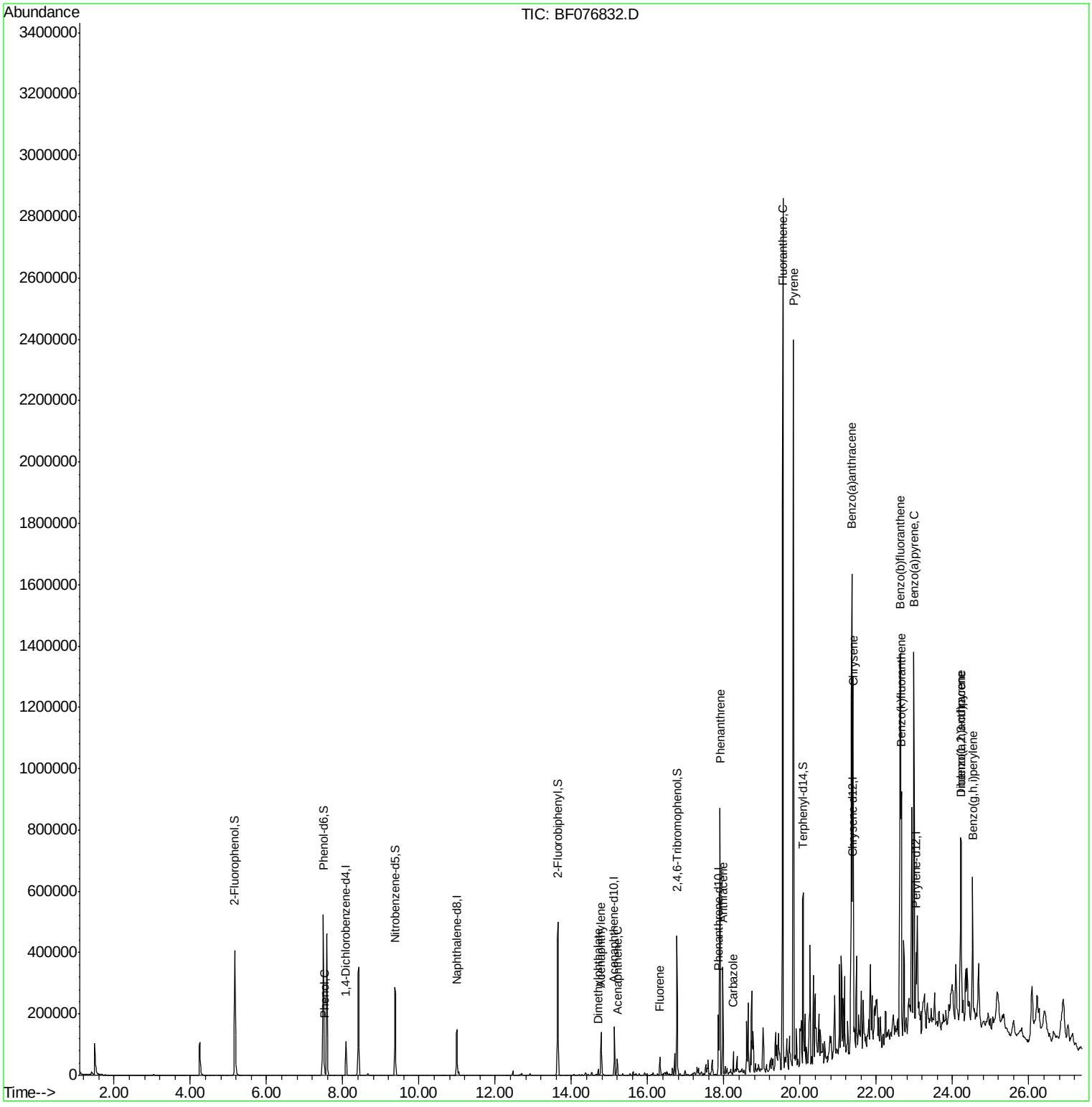
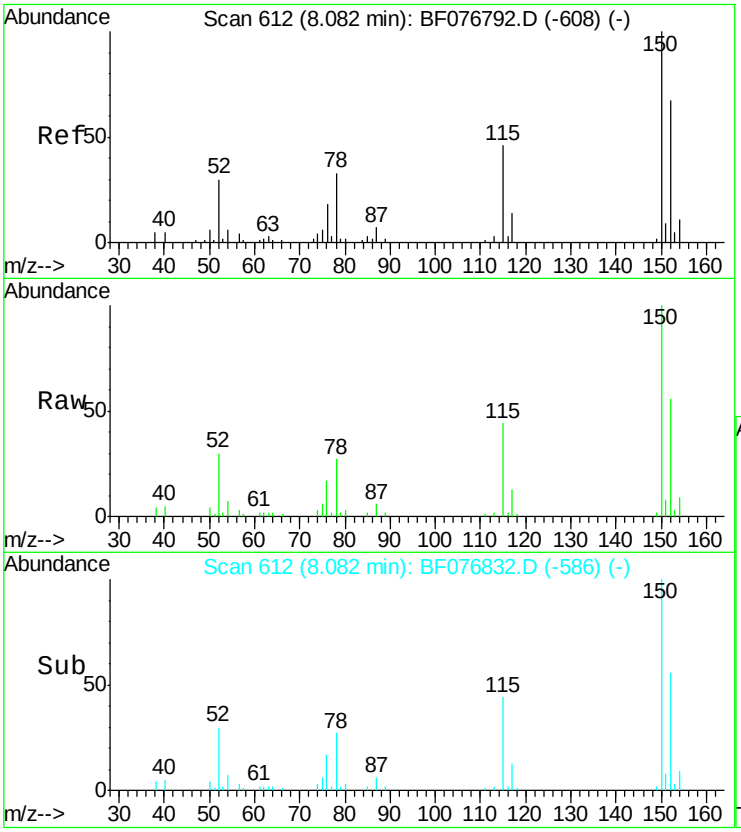


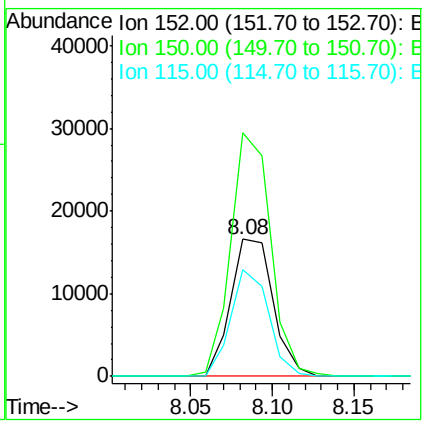


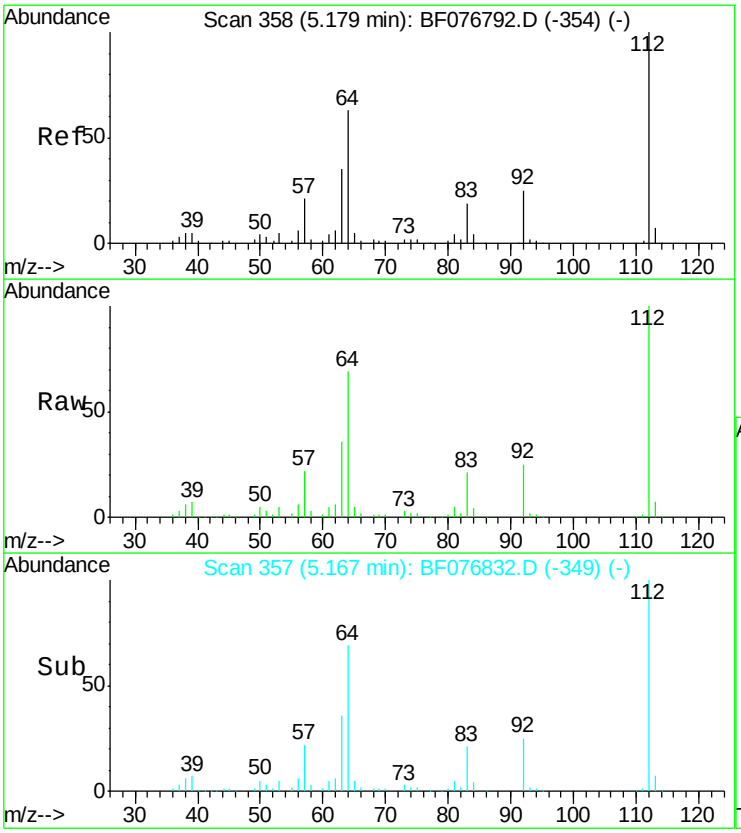
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 612
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:152 Resp: 29777

Ion	Ratio	Lower	Upper
152	100		
150	177.7	119.5	179.3
115	77.7	54.6	81.8

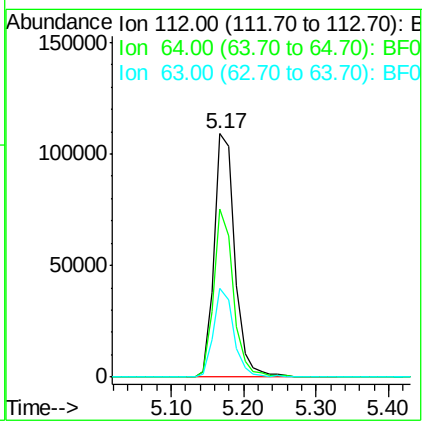


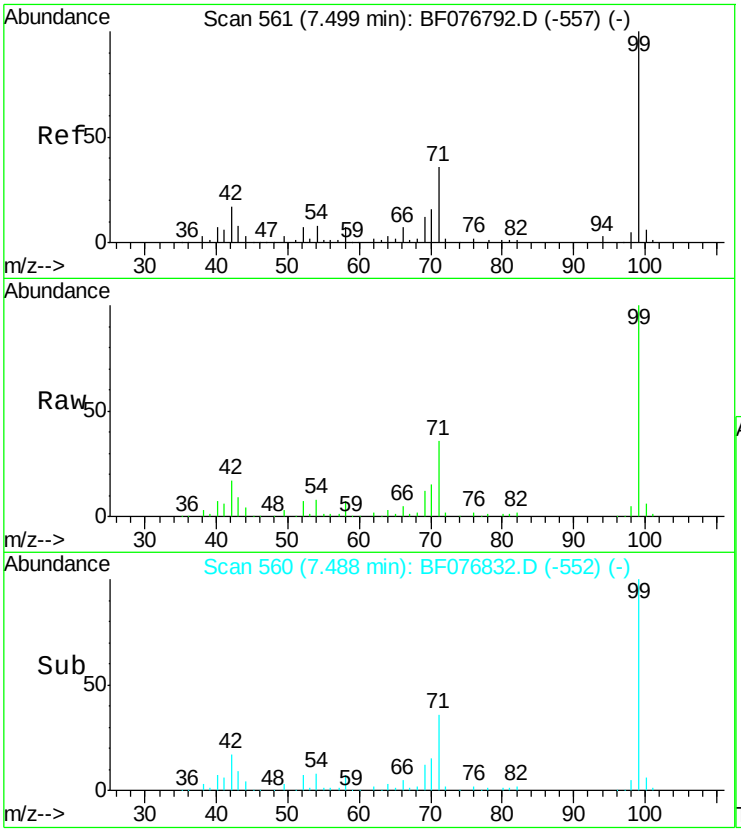


#5
2-Fluorophenol
Concen: 121.32 ng
RT: 5.17 min Scan# 357
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:112 Resp: 216484

Ion	Ratio	Lower	Upper
112	100		
64	69.3	50.2	75.4
63	36.3	27.8	41.6



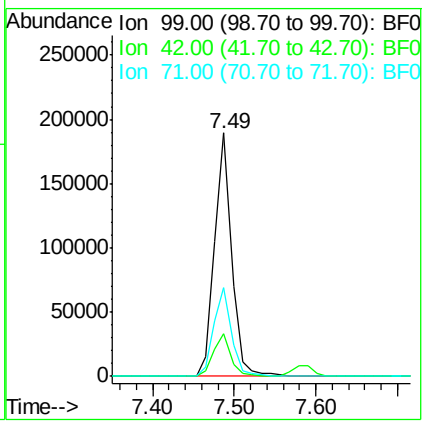


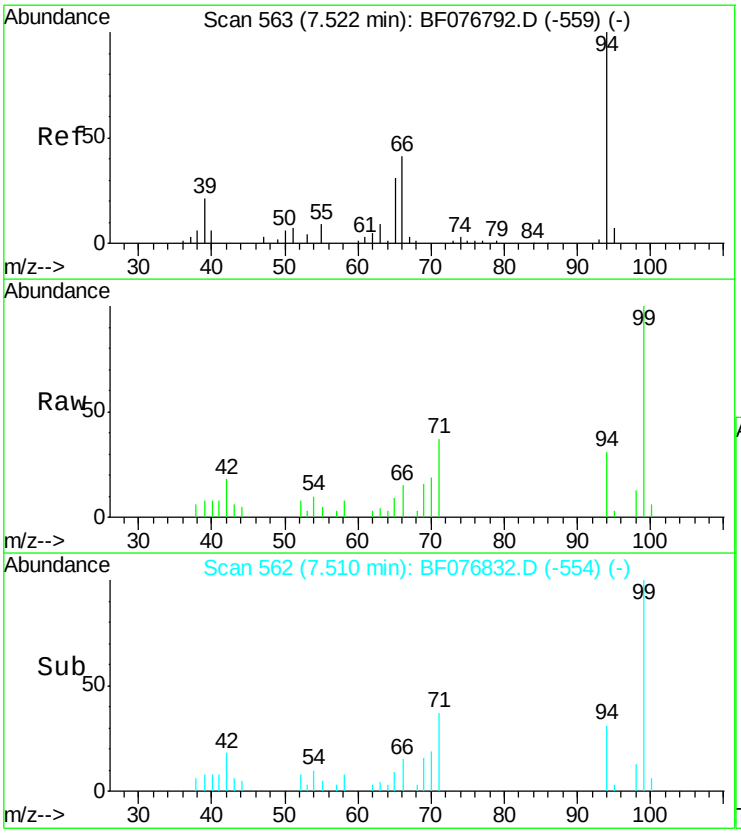
#7
Phenol-d6
Concen: 123.41 ng
RT: 7.49 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion: 99 Resp: 277243

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.3	19.9
71	36.2	29.2	43.8

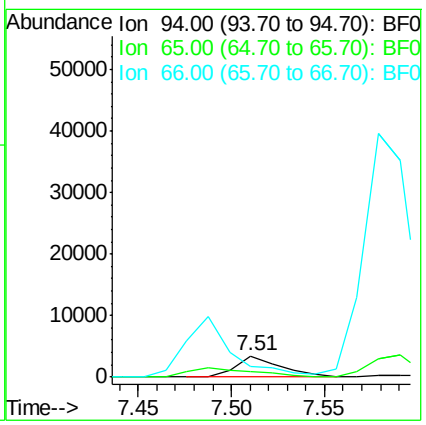


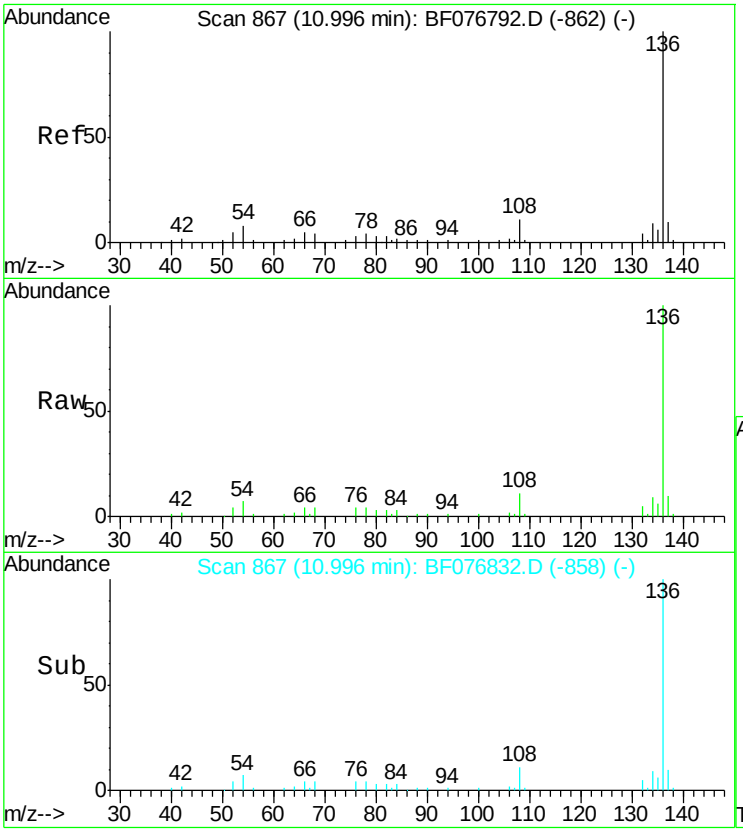


#10
Phenol
Concen: 2.35 ng
RT: 7.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion: 94 Resp: 5756

Ion	Ratio	Lower	Upper
94	100		
65	29.3	11.6	51.6
66	47.9	22.3	62.3



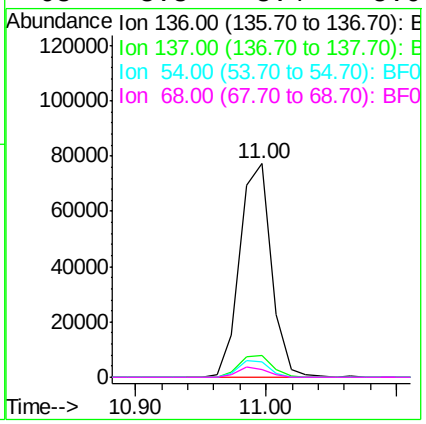


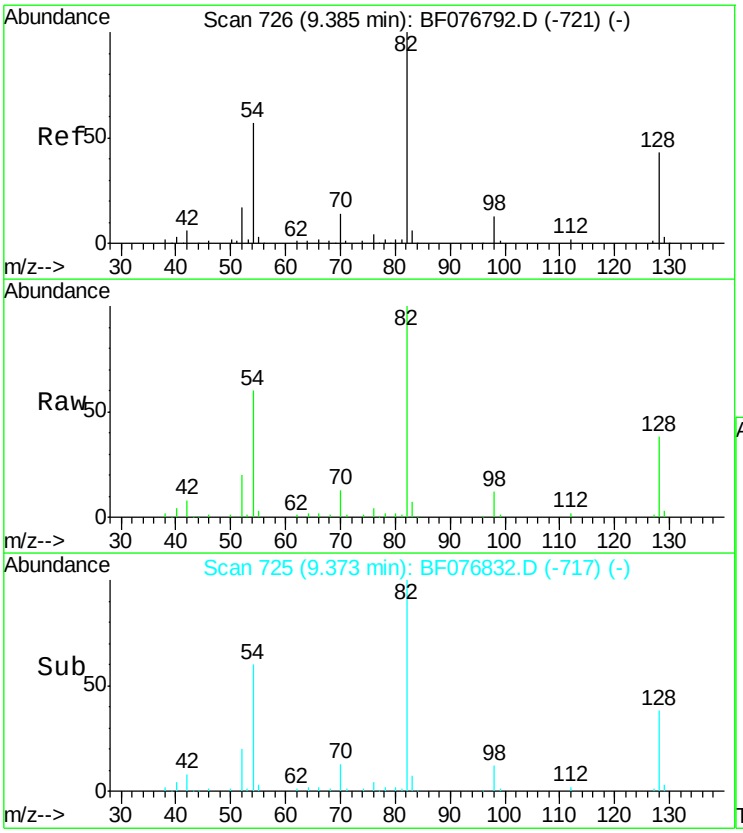
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:136 Resp: 130325

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.1	12.1
54	7.2	6.3	9.5
68	3.8	3.4	5.0

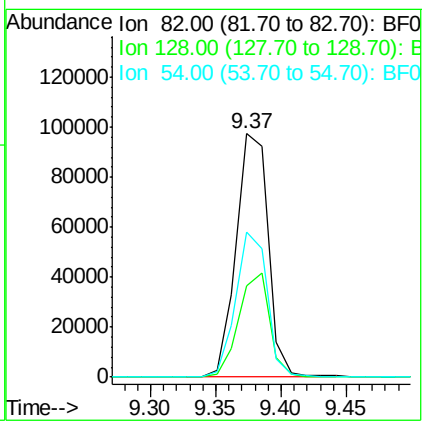


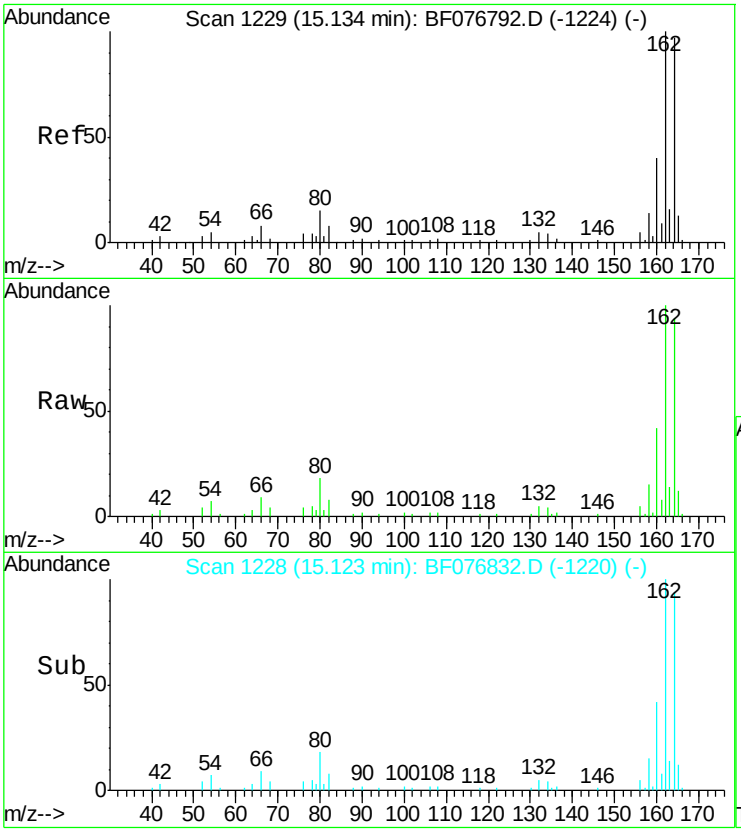


#23
Nitrobenzene-d5
Concen: 71.23 ng
RT: 9.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion: 82 Resp: 167061

Ion	Ratio	Lower	Upper
82	100		
128	37.7	34.0	51.0
54	59.6	45.6	68.4



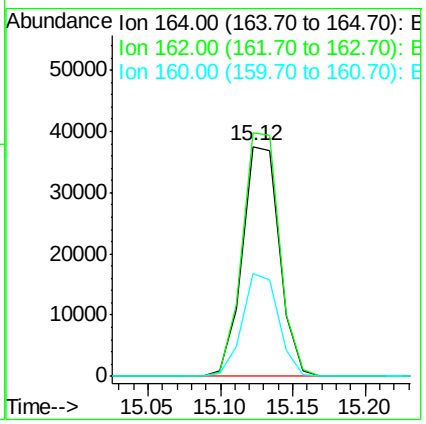


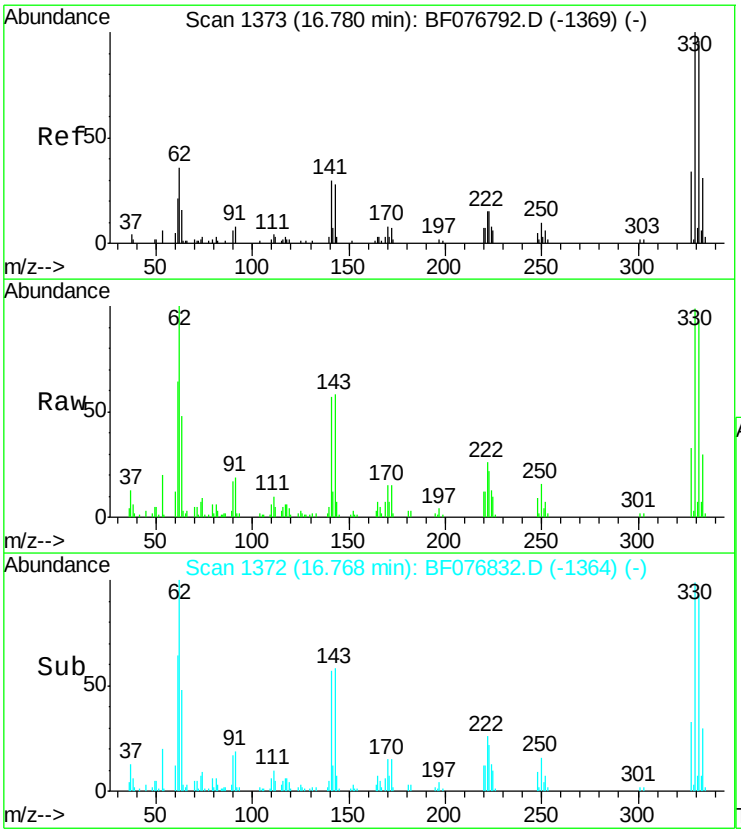
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.12 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:164 Resp: 66520

Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.5	123.7
160	45.0	33.1	49.7

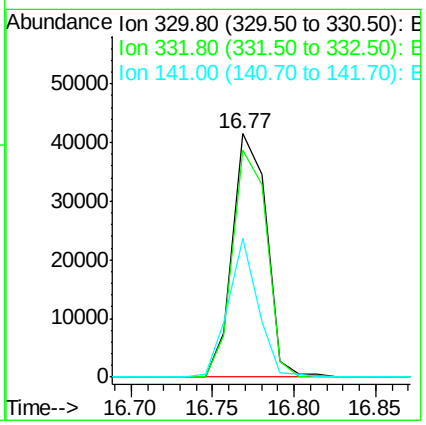


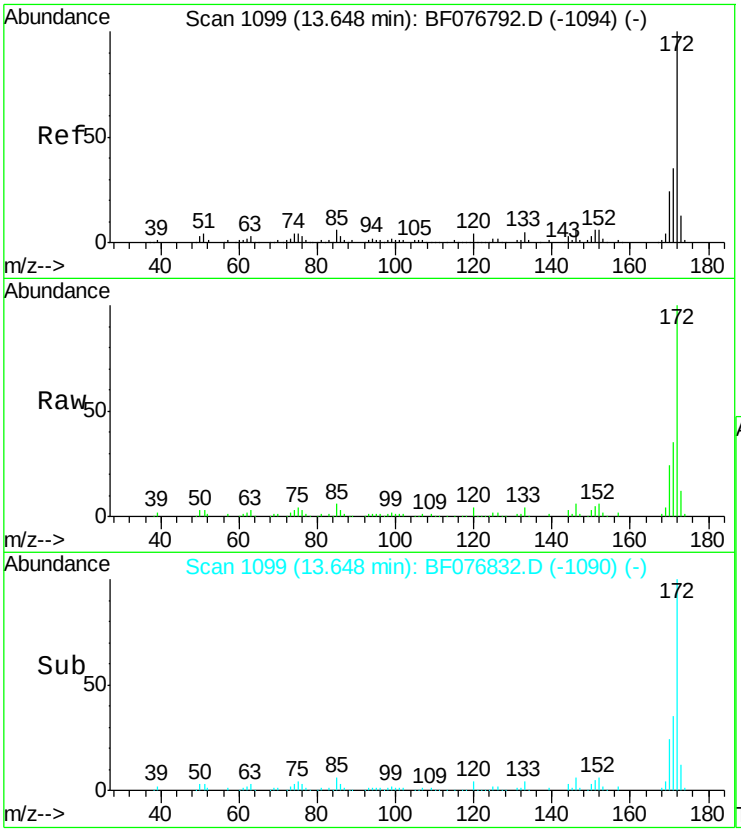


#41
2,4,6-Tribromophenol
Concen: 107.58 ng
RT: 16.77 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:330 Resp: 59730

Ion	Ratio	Lower	Upper
330	100		
332	93.5	74.8	112.2
141	50.5	42.4	63.6



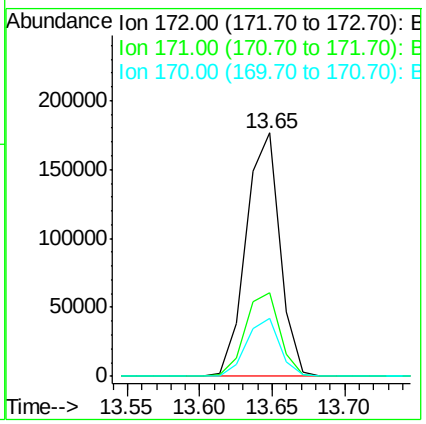


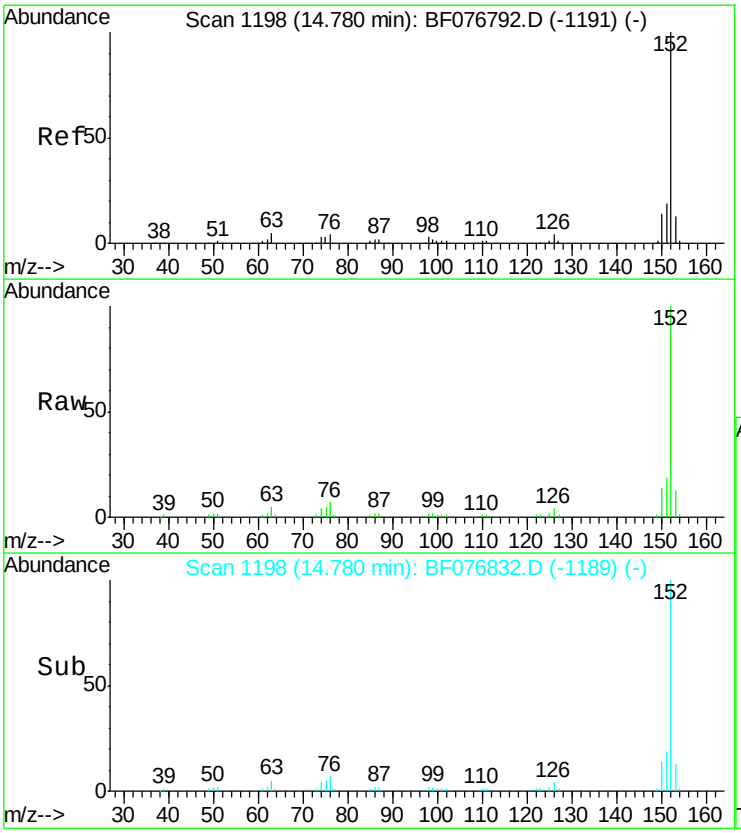
#44
2-Fluorobiphenyl
Concen: 63.31 ng
RT: 13.65 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:172 Resp: 286147

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.8
170	23.7	18.8	28.2

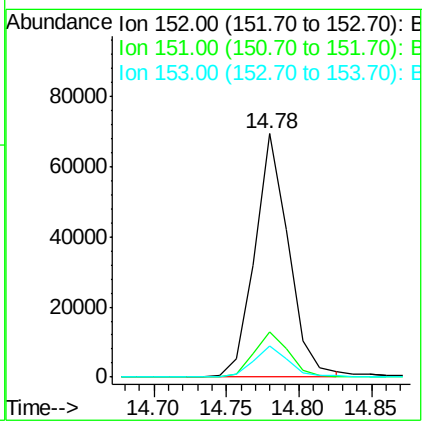


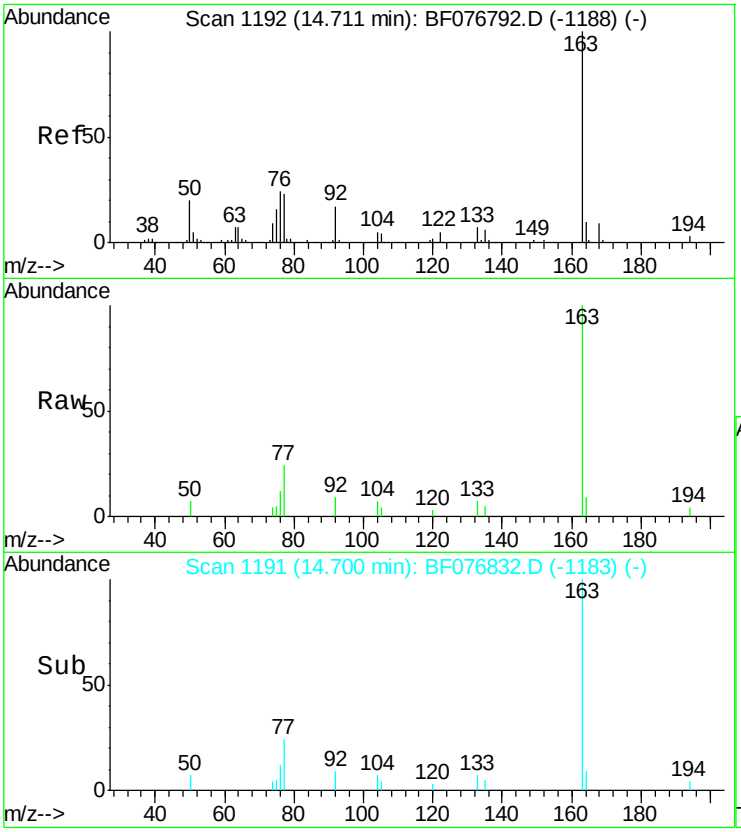


#48
Acenaphthylene
Concen: 16.15 ng
RT: 14.78 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:152 Resp: 112505

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.2	22.8
153	12.7	10.5	15.7



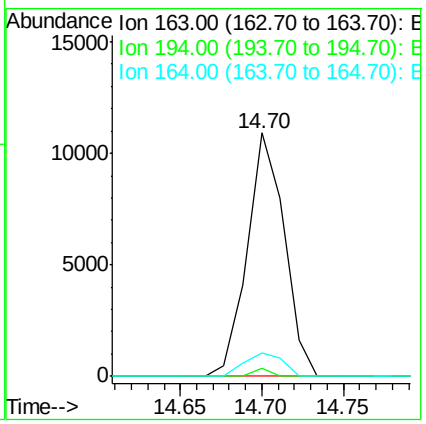


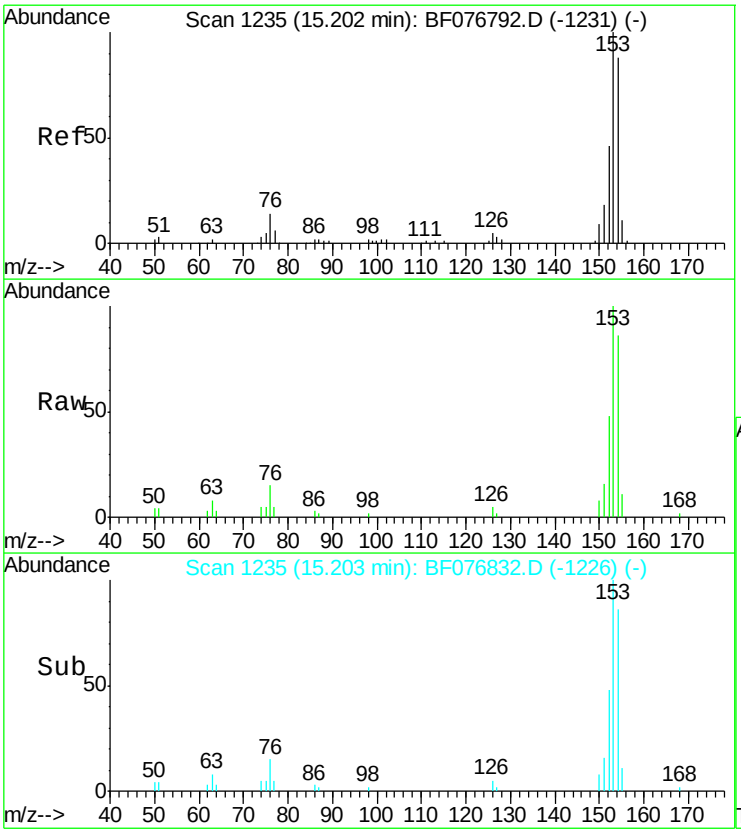
#49
Dimethylphthalate
Concen: 3.56 ng
RT: 14.70 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:163 Resp: 17220

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.3	3.5#
164	9.4	8.3	12.5

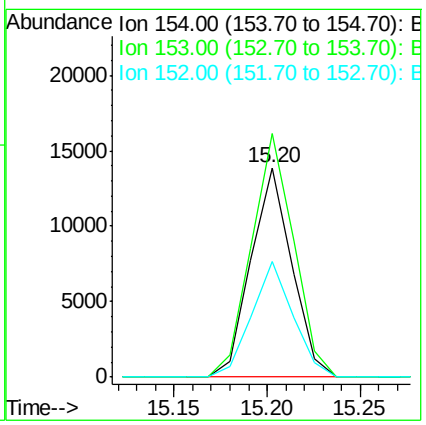


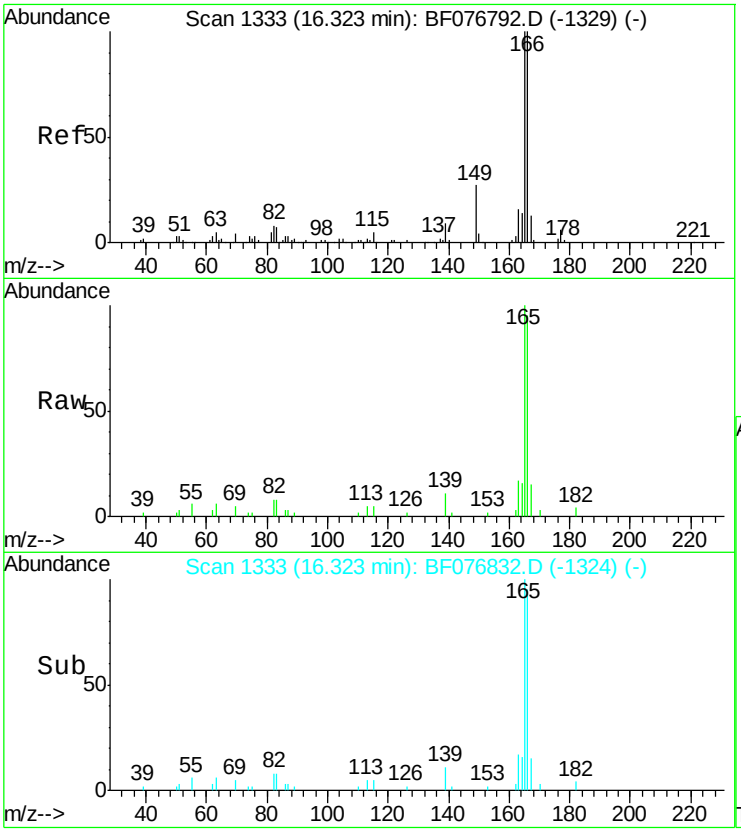


#51
Acenaphthene
Concen: 5.36 ng
RT: 15.20 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:154 Resp: 21082

Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.0	136.6
152	55.4	42.2	63.2



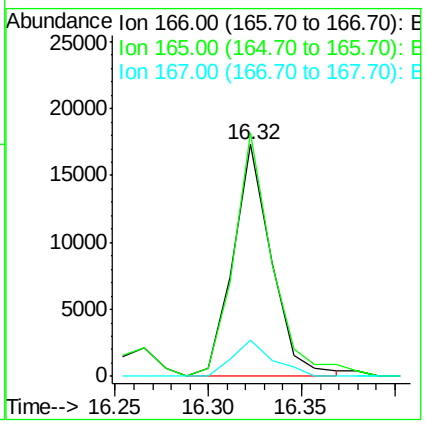


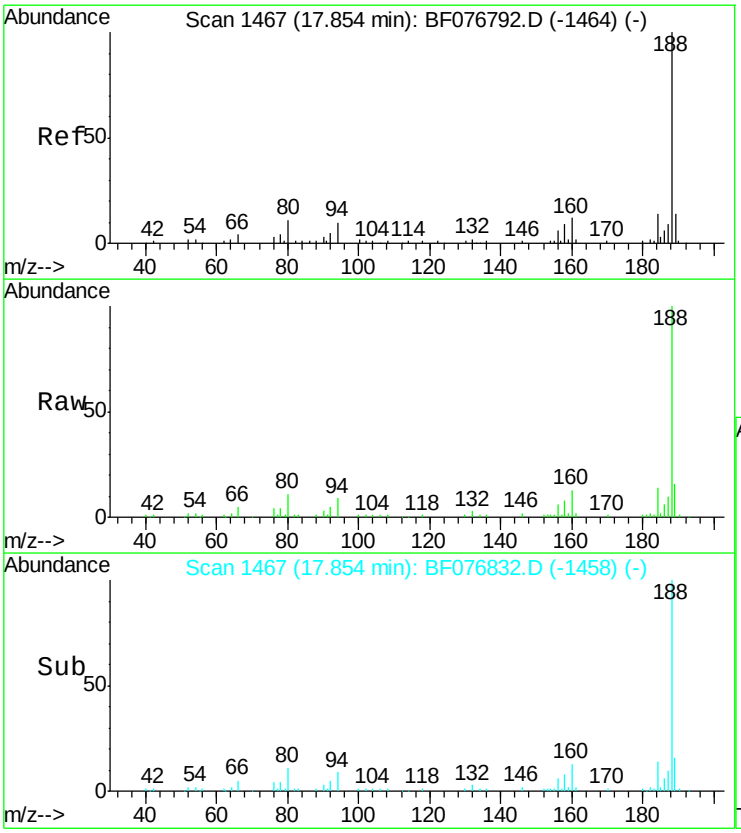
#57
Fluorene
Concen: 5.19 ng
RT: 16.32 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:166 Resp: 24956

Ion	Ratio	Lower	Upper
166	100		
165	105.2	79.6	119.4
167	15.9	10.2	15.2#

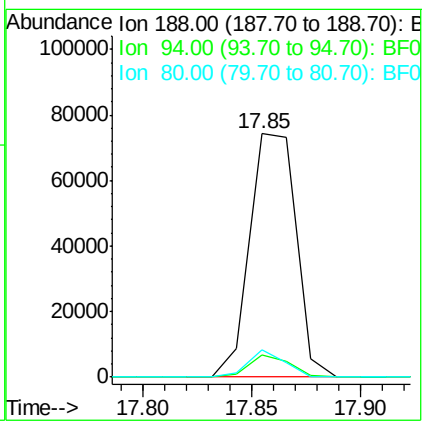


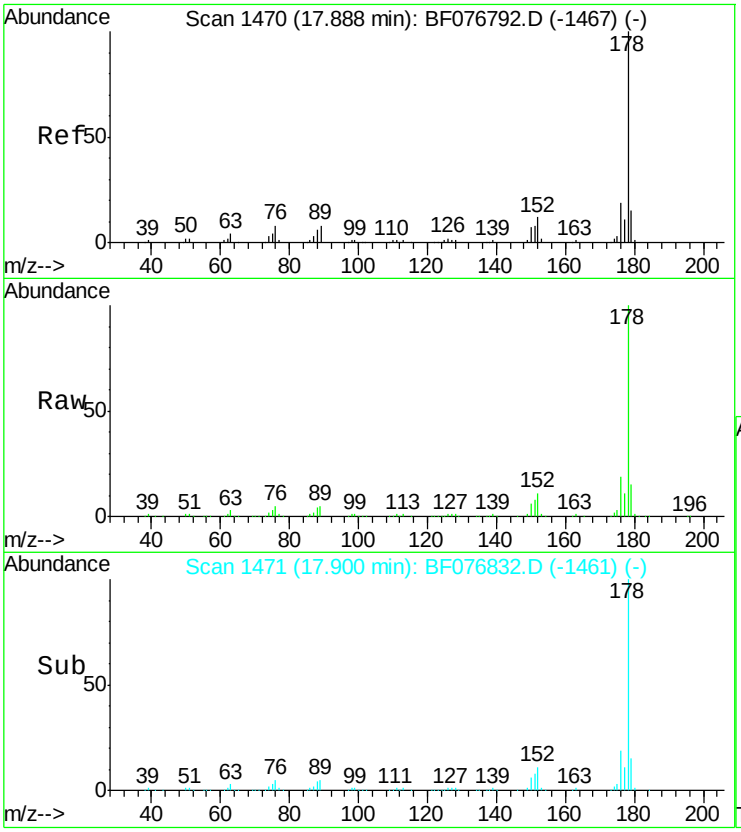


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.85 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:188 Resp: 111000

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.8	11.6
80	11.2	8.6	13.0



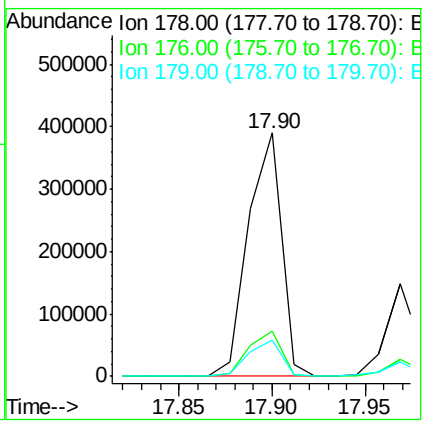


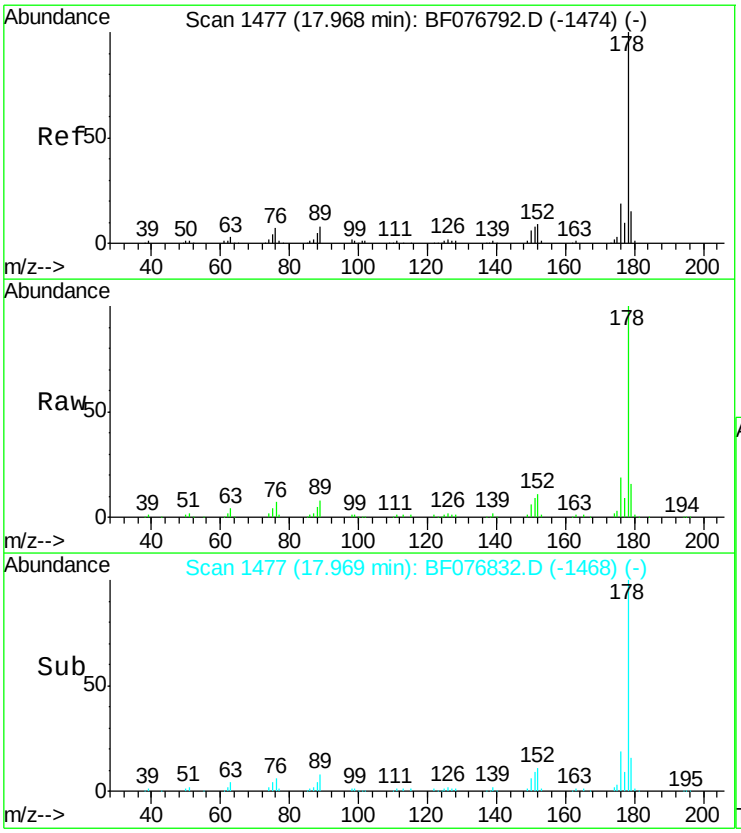
#70
Phenanthrene
Concen: 69.54 ng
RT: 17.90 min Scan# 1471
Delta R.T. 0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:178 Resp: 481055

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	14.8	11.8	17.8

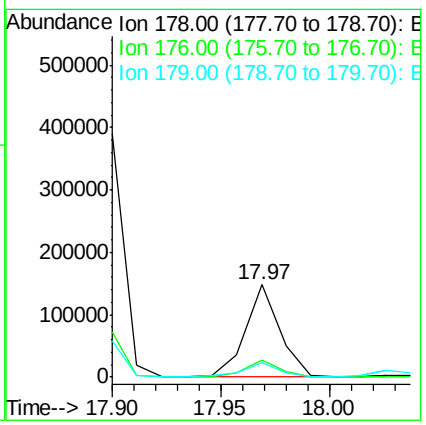


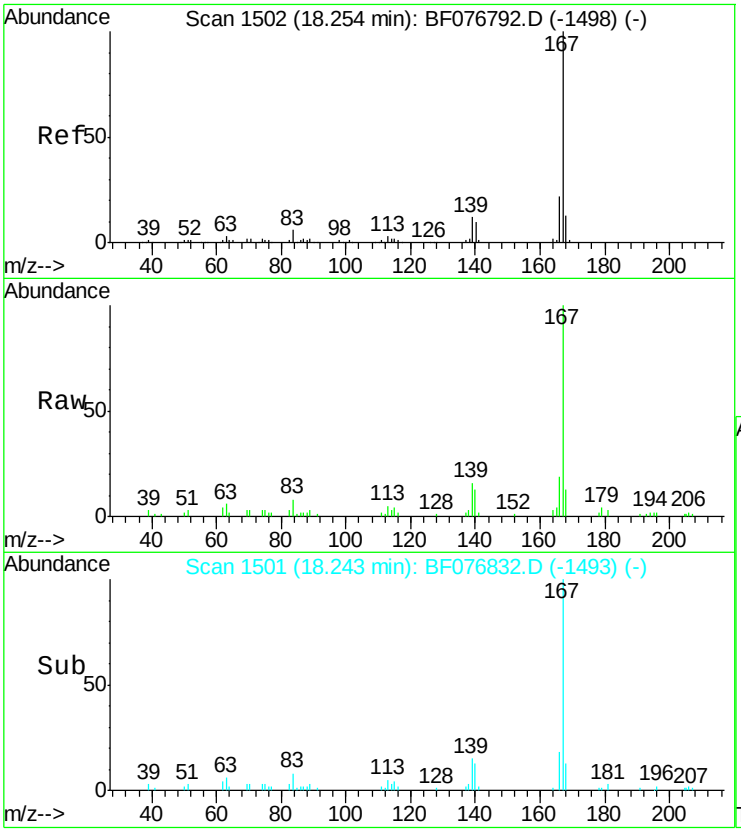


#71
Anthracene
Concen: 24.01 ng
RT: 17.97 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:178 Resp: 161327

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.7	12.2	18.4



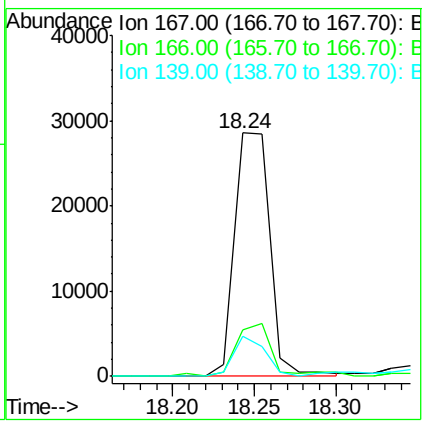


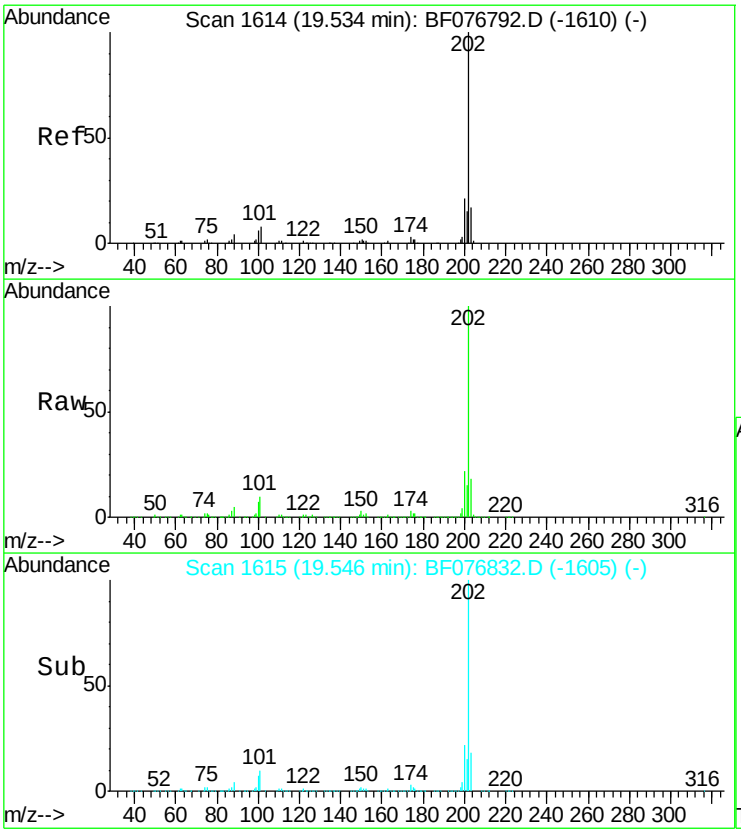
#72
Carbazole
Concen: 6.44 ng
RT: 18.24 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:167 Resp: 42407

Ion	Ratio	Lower	Upper
167	100		
166	19.3	17.2	25.8
139	16.4	10.0	15.0#

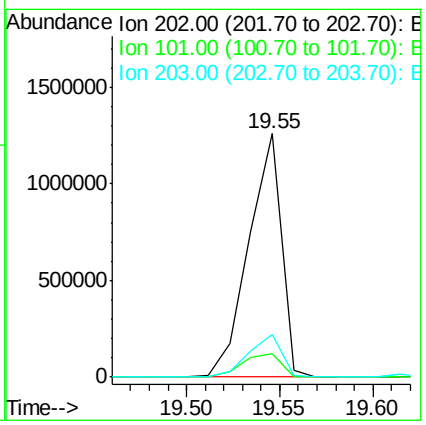


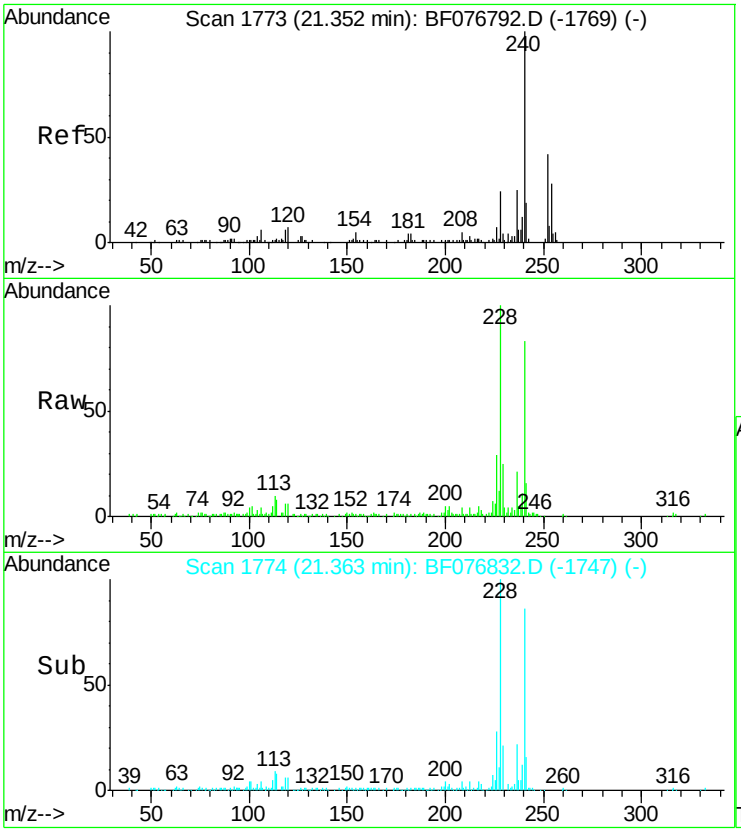


#74
Fluoranthene
Concen: 215.74 ng
RT: 19.55 min Scan# 1615
Delta R.T. 0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:202 Resp: 1528510

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	28.0
203	17.7	0.0	37.2



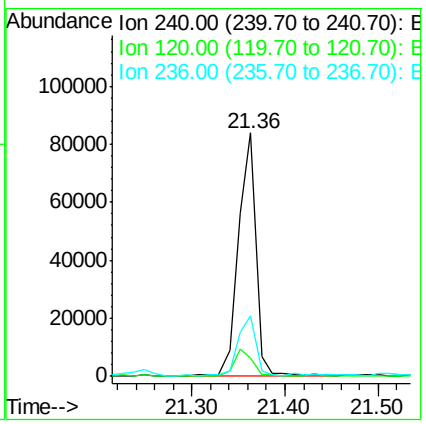


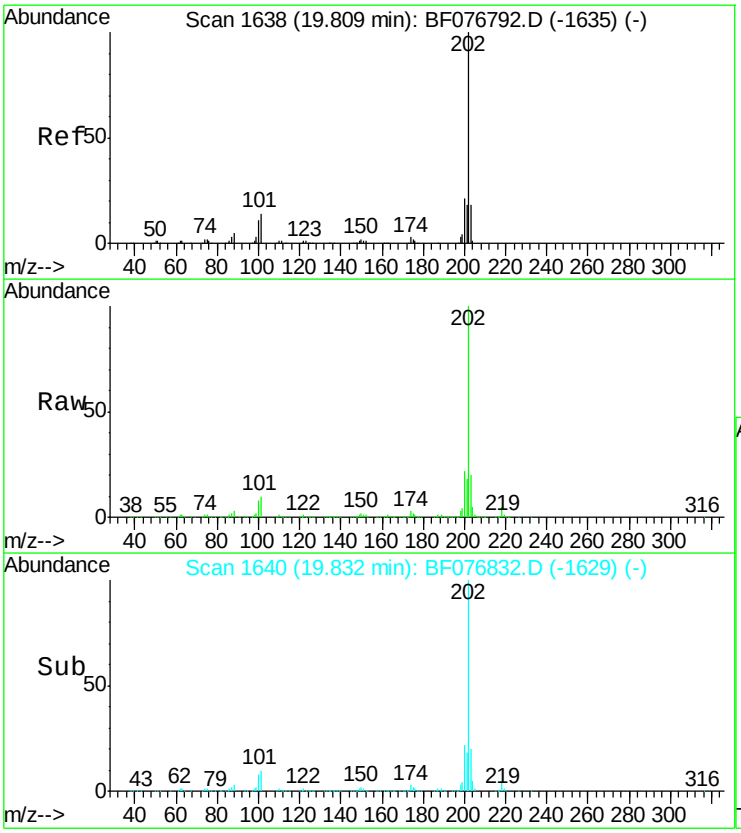
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.36 min Scan# 1774
Delta R.T. 0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:240 Resp: 111588

Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.7	8.5
236	25.1	19.7	29.5

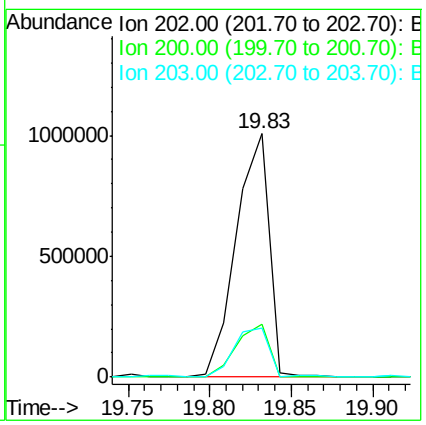


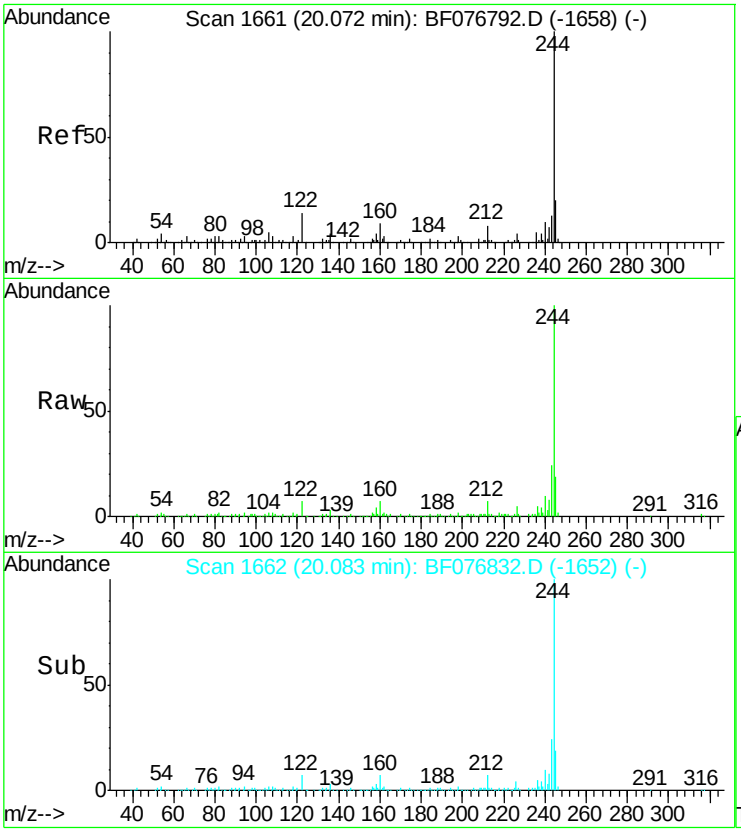


#77
Pyrene
Concen: 174.75 ng
RT: 19.83 min Scan# 1640
Delta R.T. 0.02 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:202 Resp: 1403133

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	20.2	14.6	22.0



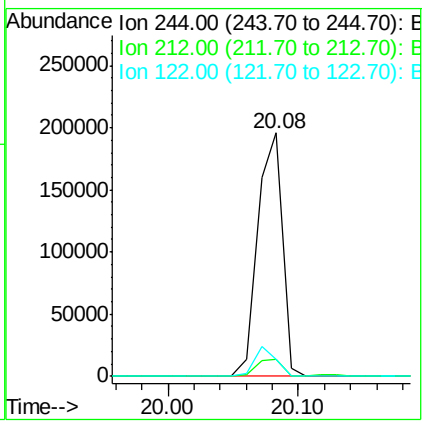


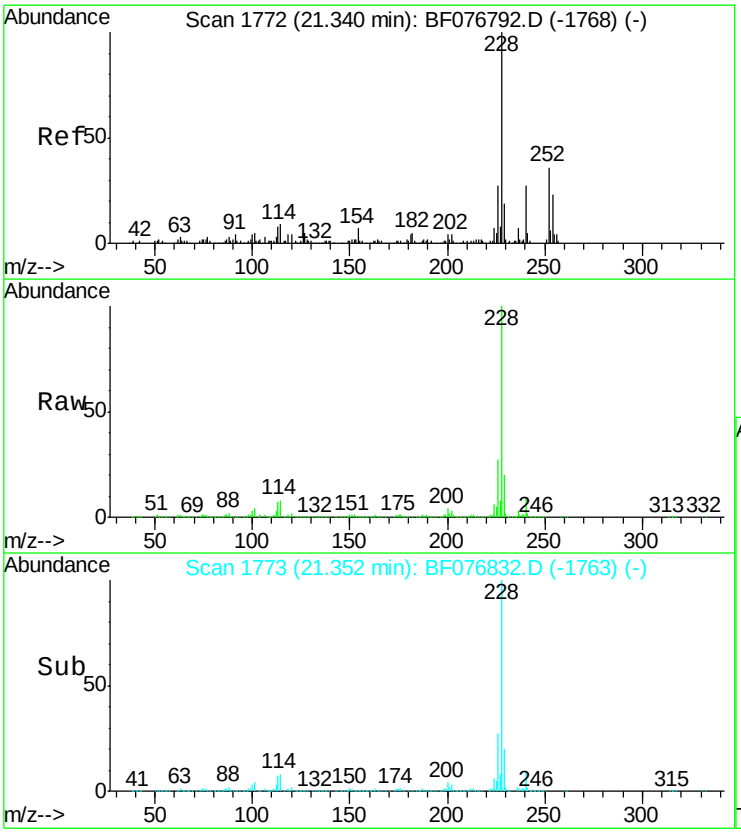
#78
Terphenyl-d14
Concen: 50.88 ng
RT: 20.08 min Scan# 1662
Delta R.T. 0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:244 Resp: 258608

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	7.0	11.3	16.9#

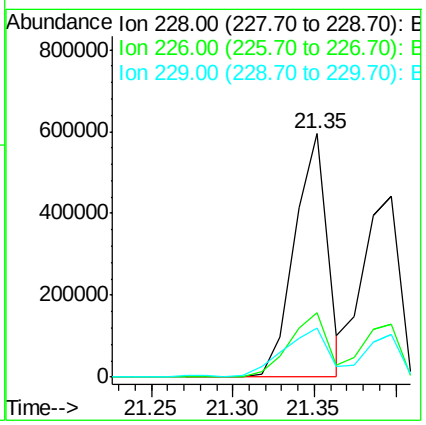


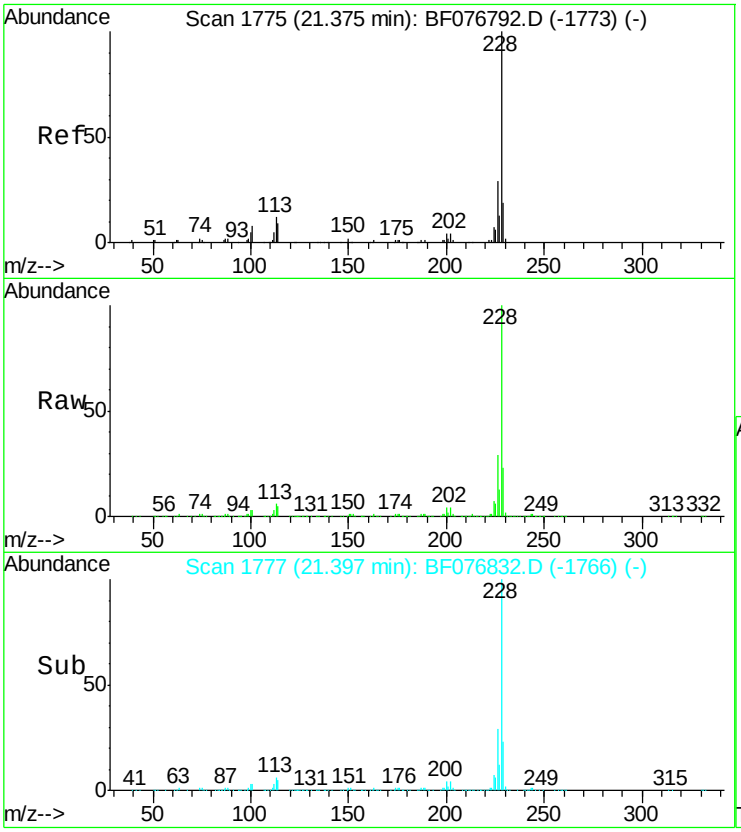


#80
Benzo(a)anthracene
Concen: 117.20 ng
RT: 21.35 min Scan# 1773
Delta R.T. 0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:228 Resp: 833135

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.0
229	20.1	15.0	22.4



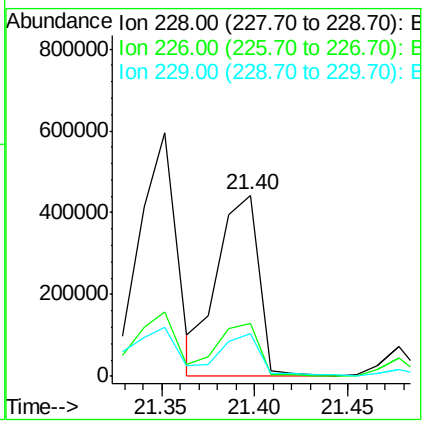


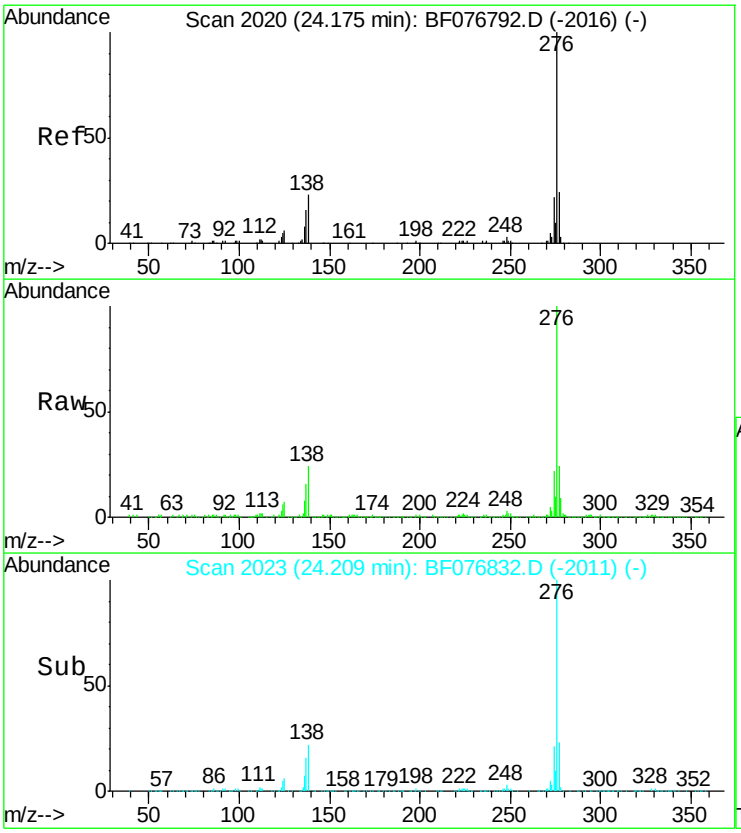
#82
Chrysene
Concen: 107.85 ng m
RT: 21.40 min Scan# 1777
Delta R.T. 0.02 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:228 Resp: 693660

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.3	34.9
229	23.4	14.6	22.0#

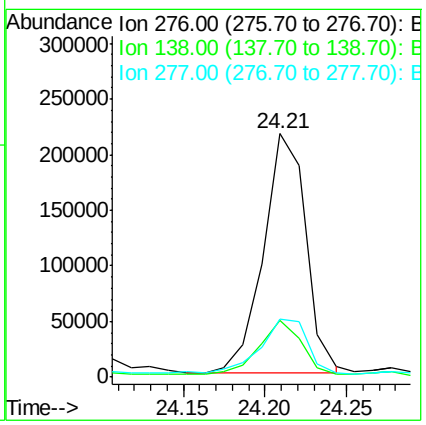


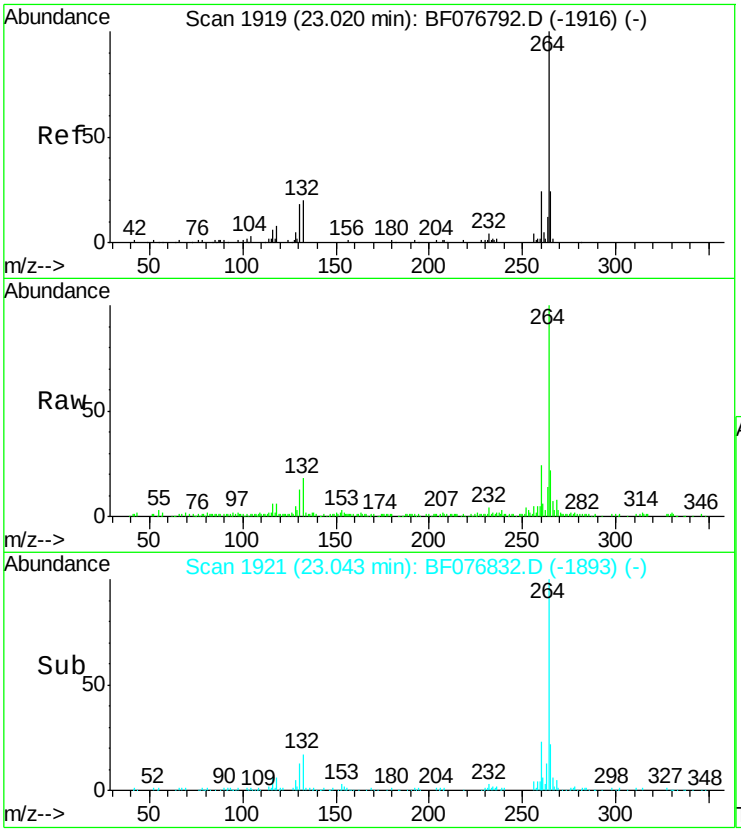


#85
Indeno(1,2,3-cd)pyrene
Concen: 61.23 ng
RT: 24.21 min Scan# 2023
Delta R.T. 0.03 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:276 Resp: 389749

Ion	Ratio	Lower	Upper
276	100		
138	22.8	0.0	0.0#
277	25.3	0.0	0.0#



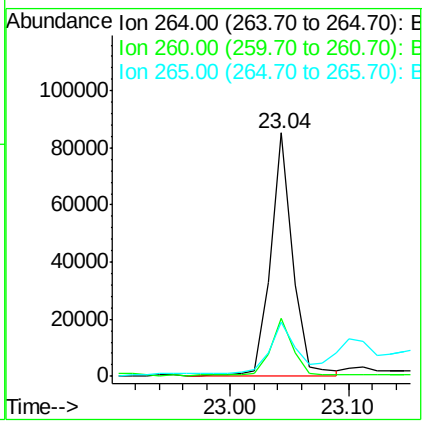


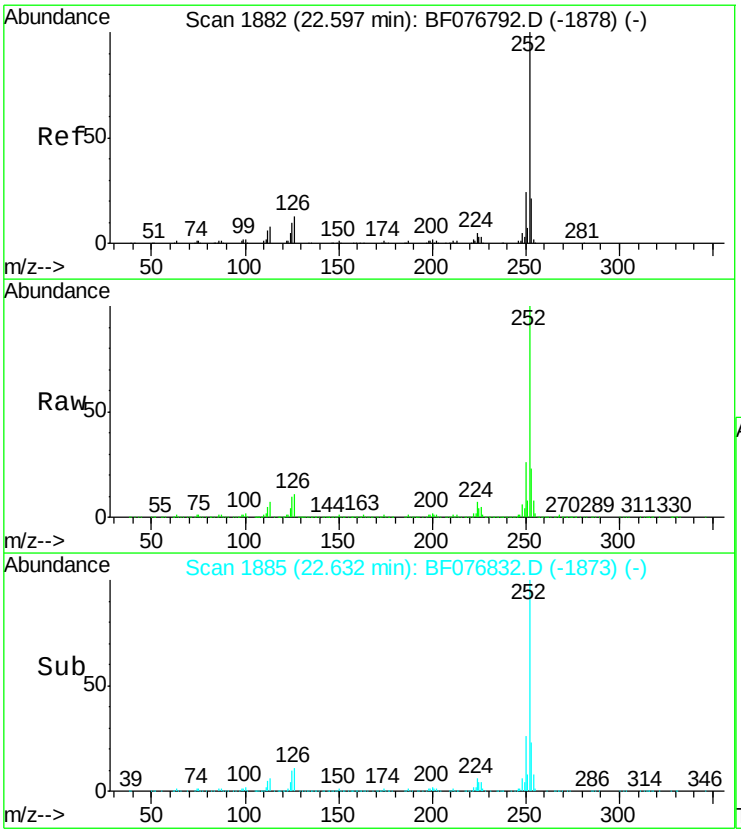
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.04 min Scan# 1921
Delta R.T. 0.02 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:264 Resp: 110776

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.5	18.9	28.3

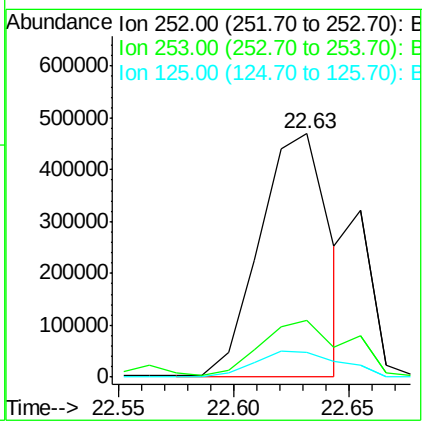


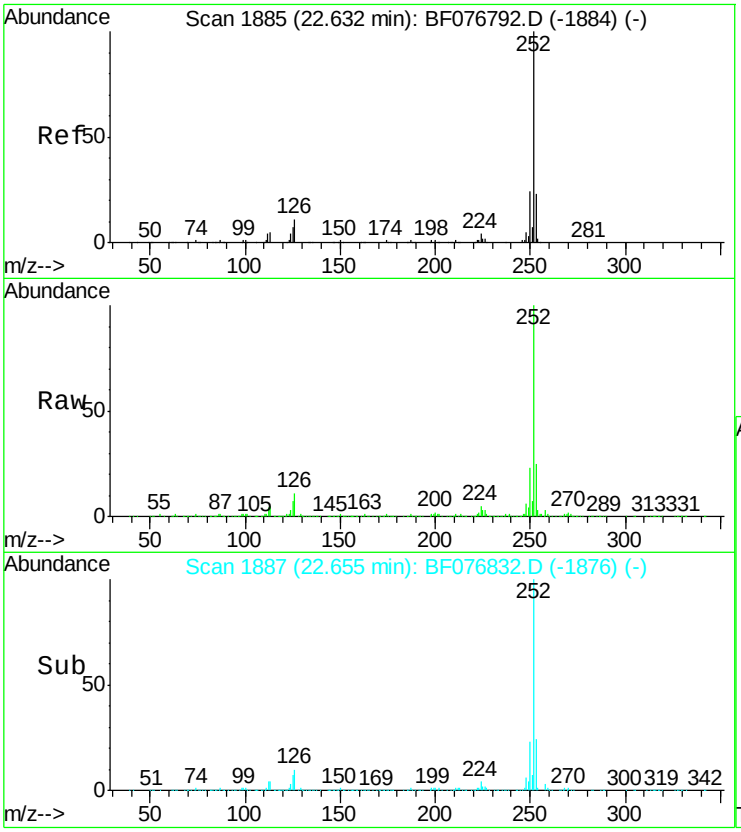


#87
Benzo(b)fluoranthene
Concen: 128.75 ng m
RT: 22.63 min Scan# 1885
Delta R.T. 0.03 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:252 Resp: 987952

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.6	25.0
125	10.1	8.1	12.1



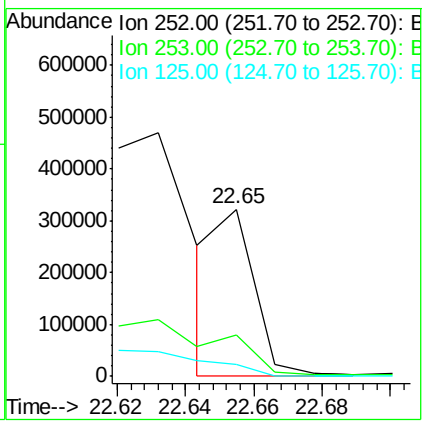


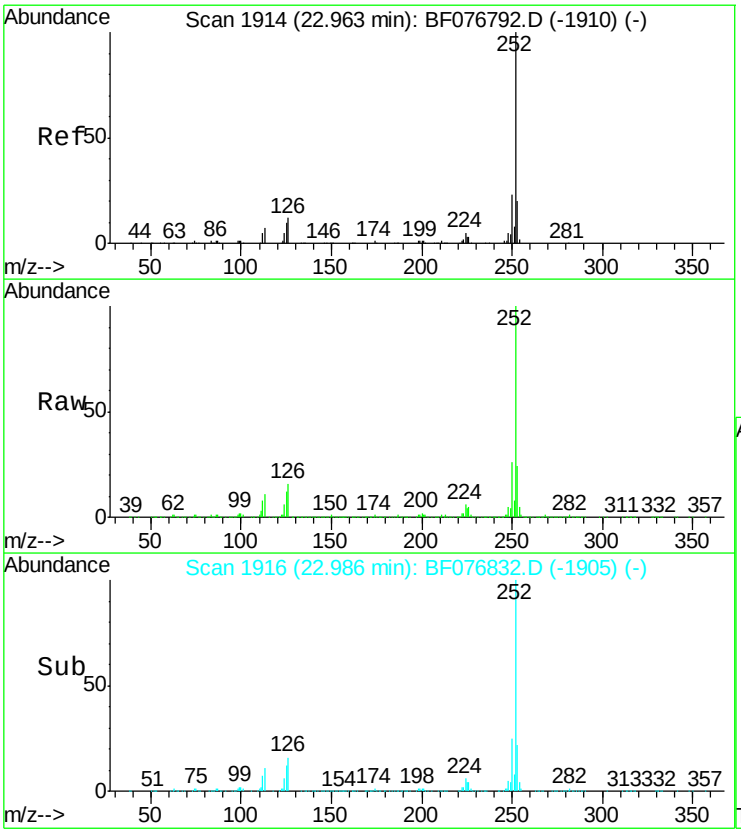
#88
Benzo(k)fluoranthene
Concen: 36.38 ng m
RT: 22.65 min Scan# 1887
Delta R.T. 0.02 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:252 Resp: 244010

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	6.9	7.5	11.3#

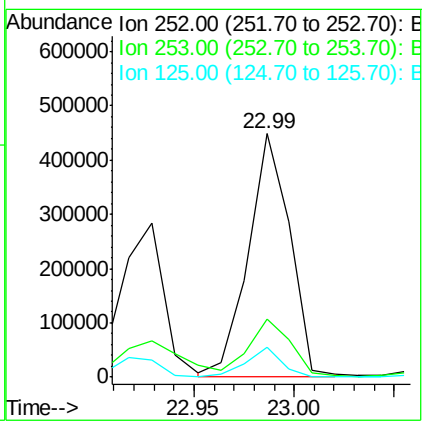


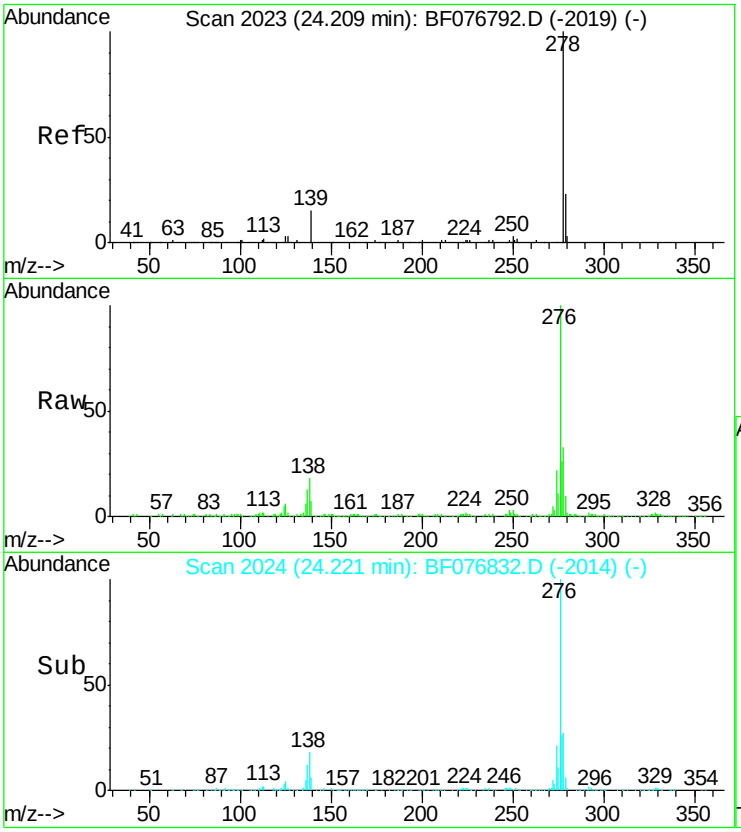


#89
Benzo(a)pyrene
Concen: 99.72 ng m
RT: 22.99 min Scan# 1916
Delta R.T. 0.02 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:252 Resp: 657492

Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.2	24.4
125	12.5	7.8	11.6#



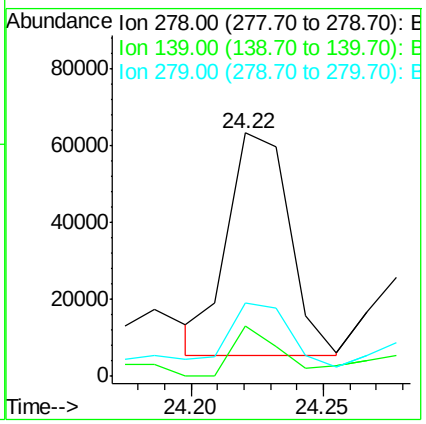


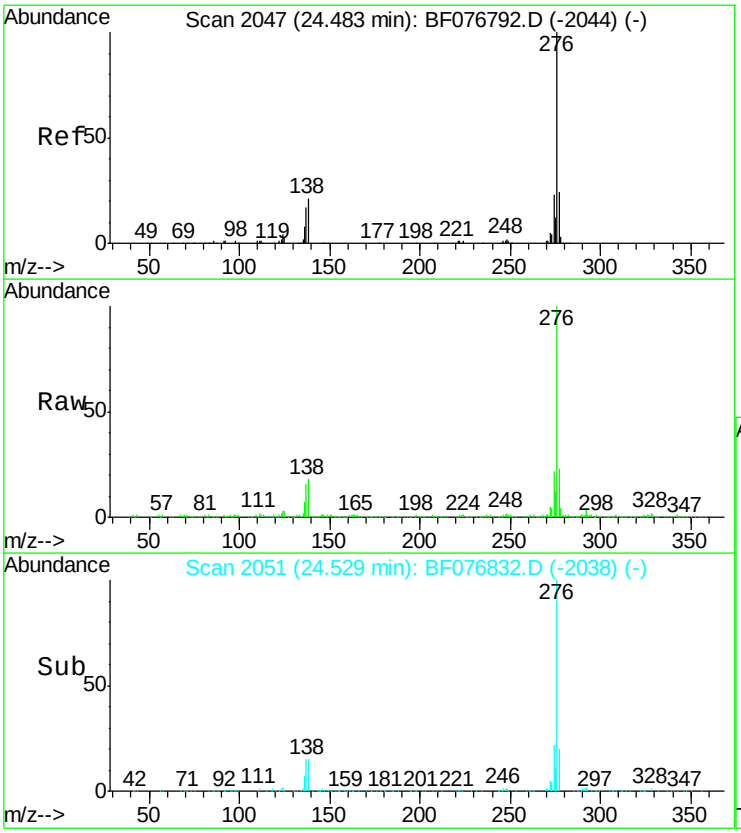
#90
Dibenzo(a,h)anthracene
Concen: 15.58 ng m
RT: 24.22 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

Tgt Ion:278 Resp: 93621

Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.2	18.4#
279	30.0	17.9	26.9#





#91
Benzo(g,h,i)perylene
Concen: 58.87 ng
RT: 24.53 min Scan# 2051
Delta R.T. 0.05 min
Lab File: BF076832.D
Acq: 13 Jan 2015 6:28

Tgt Ion:276 Resp: 360931

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.6
138	17.9	16.7	25.1