Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082639.D
Acq On : 2 Nov 2015 19:06
Operator : UM/IZ
Sample : G4234-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-2

Quant Time: Nov 03 06:11:57 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	201647	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	721969	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	326734	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	543282	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	419670	20.00	ng	-0.01
86) Perylene-d12	15.51	264	388344	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1507571	112.60	ng	0.00
7) Phenol-d6	6.52	99	2154902	121.15	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1753920	99.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	340333	95.18	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2163626	94.02	ng	-0.01
78) Terphenyl-d14	13.01	244	1633706	85.19	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.21	128	7145574	182.91	ng	# 83
37) 2-Methylnaphthalene	8.90	142	2081488	82.21	ng	98
45) 1,1'-Biphenyl	9.36	154	461298	16.71	ng	97
48) Acenaphthylene	9.79	152	613022	17.78	ng	97
49) Dimethylphthalate	9.65	163	681316	25.53	ng	98
51) Acenaphthene	9.97	154	887524	40.56	ng	96
54) Dibenzofuran	10.13	168	1102408	37.13	ng	98
57) Fluorene	10.49	166	1411043	58.91	ng	98
70) Phenanthrene	11.45	178	4072924	132.92	ng	97
71) Anthracene	11.49	178	1227156	39.77	ng	99
72) Carbazole	11.64	167	652895	24.29	ng	99
74) Fluoranthene	12.65	202	2515786	80.31	ng	98
77) Pyrene	12.87	202	2023766	65.12	ng	98
80) Benzo(a)anthracene	14.05	228	1133260m	42.51	ng	
82) Chrysene	14.09	228	882062m	36.50	ng	
85) Indeno(1,2,3-cd)pyrene	16.92	276	296563	14.87	ng	97
87) Benzo(b)fluoranthene	15.09	252	769619m	28.74	ng	
88) Benzo(k)fluoranthene	15.11	252	356093m	17.45	ng	
89) Benzo(a)pyrene	15.45	252	649081	30.78	ng	96
90) Dibenzo(a,h)anthracene	16.93	278	79122m	4.02	ng	
91) Benzo(g,h,i)perylene	17.36	276	253824	13.31	ng	99

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

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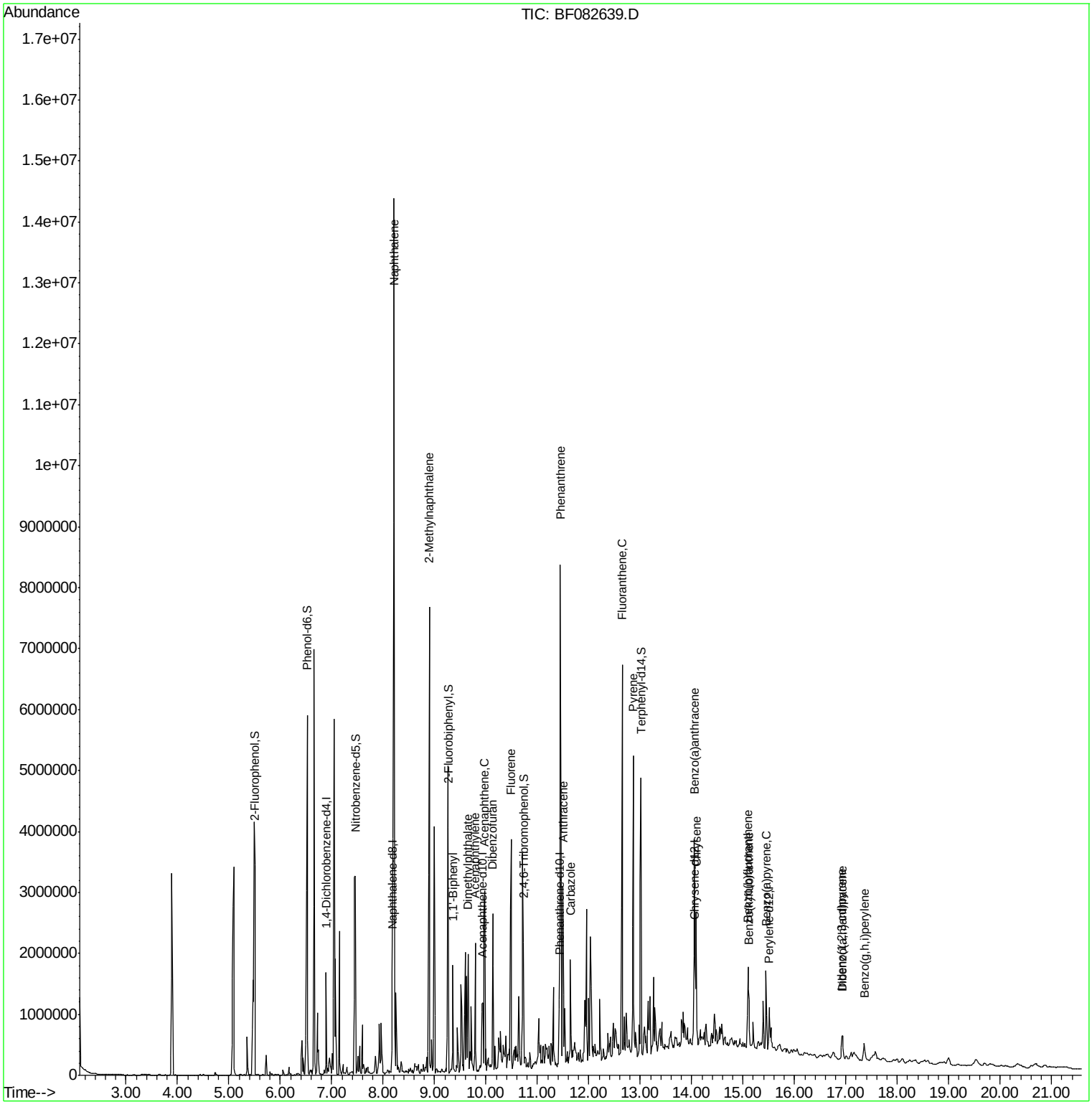
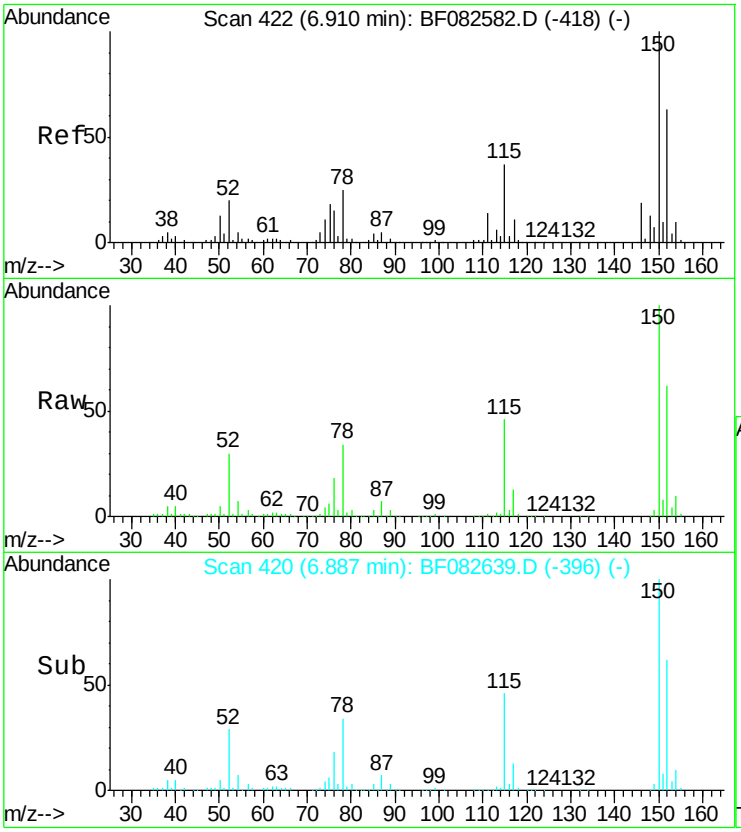


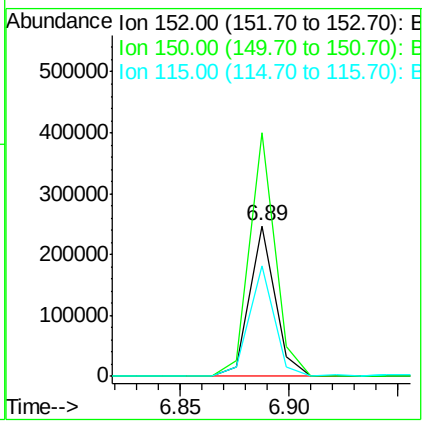


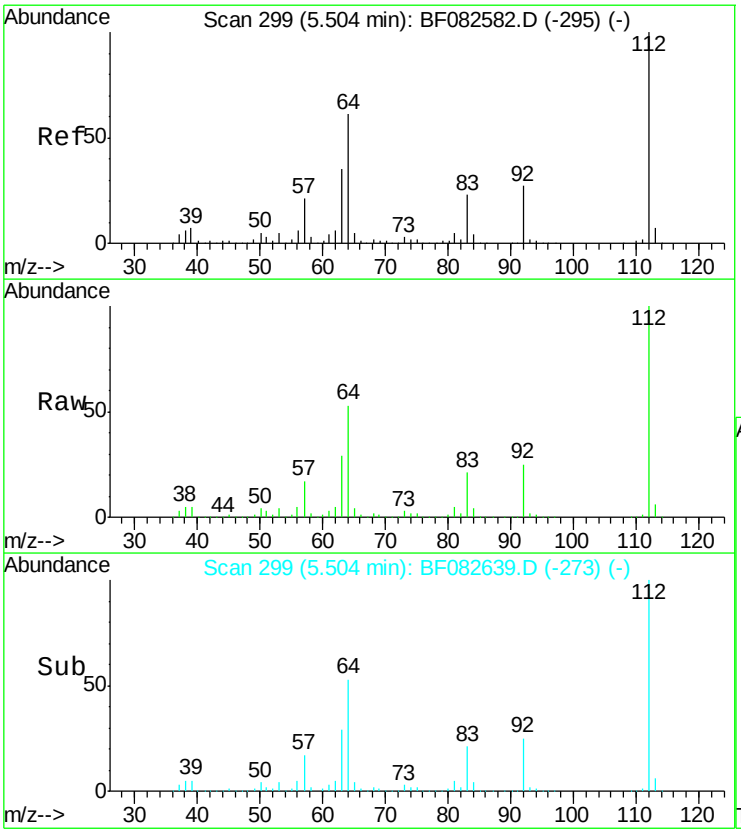
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:152 Resp: 201647

Ion	Ratio	Lower	Upper
152	100		
150	161.5	127.0	190.4
115	73.5	47.0	70.6#

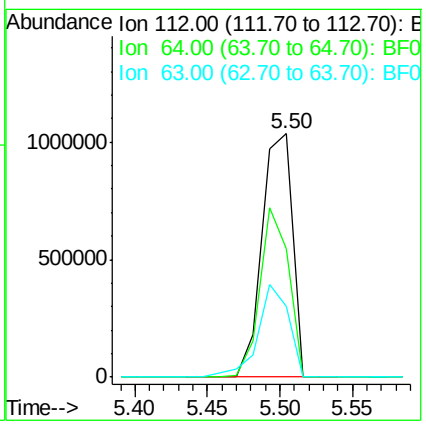


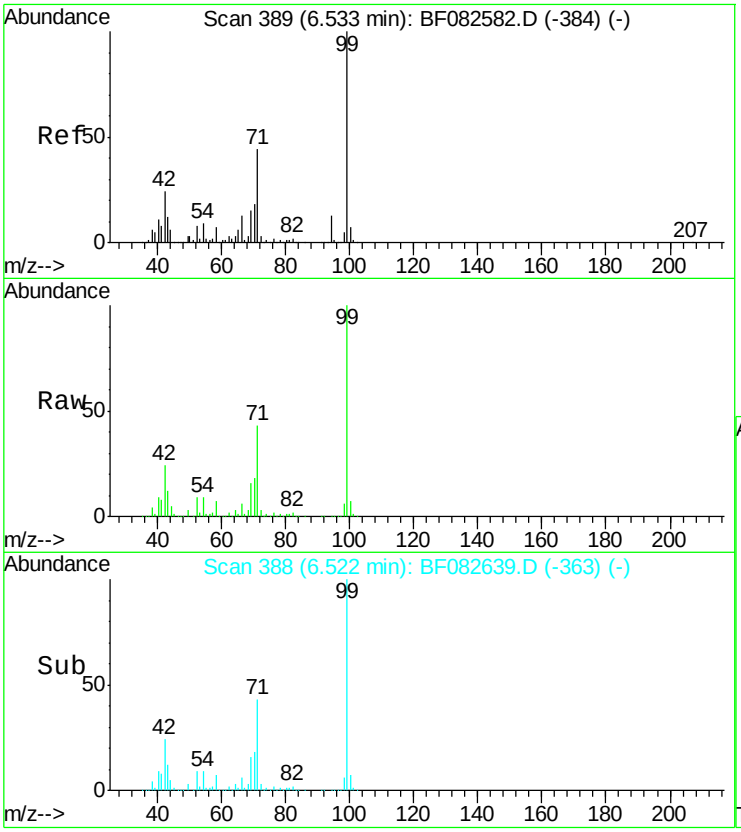


#5
2-Fluorophenol
Concen: 112.60 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.00 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:112 Resp: 1507571

Ion	Ratio	Lower	Upper
112	100		
64	52.9	48.9	73.3
63	29.1	28.1	42.1



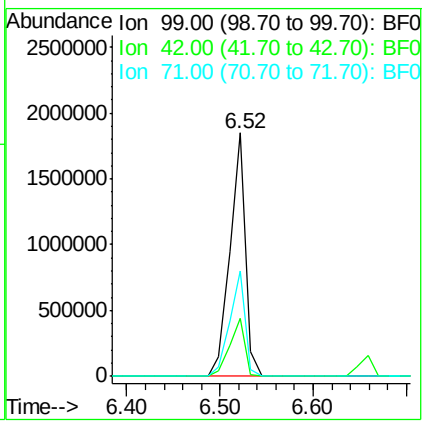


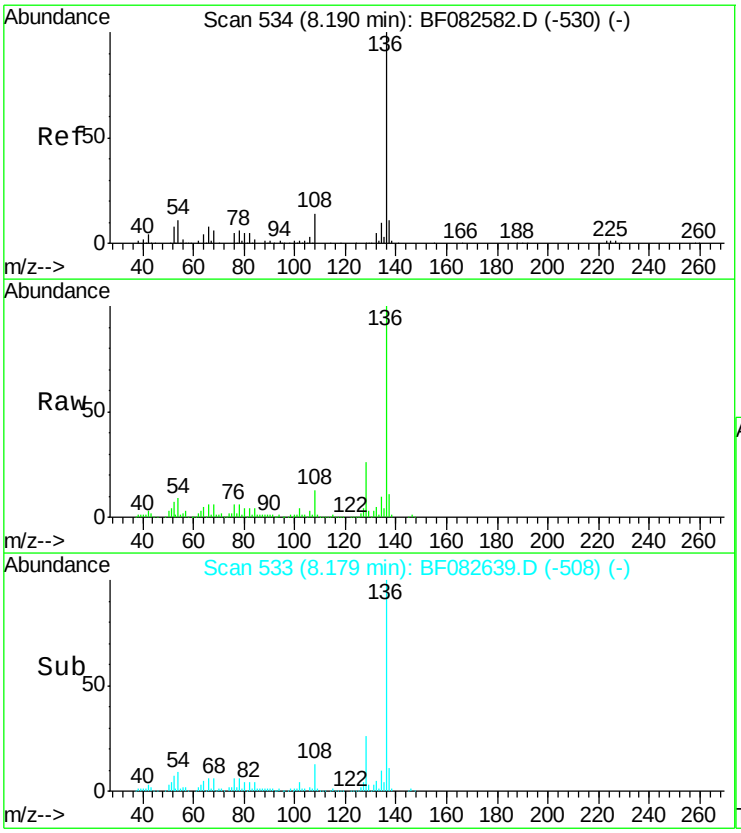
#7
Phenol-d6
Concen: 121.15 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion: 99 Resp: 2154902

Ion	Ratio	Lower	Upper
99	100		
42	24.0	19.2	28.8
71	43.4	35.0	52.4

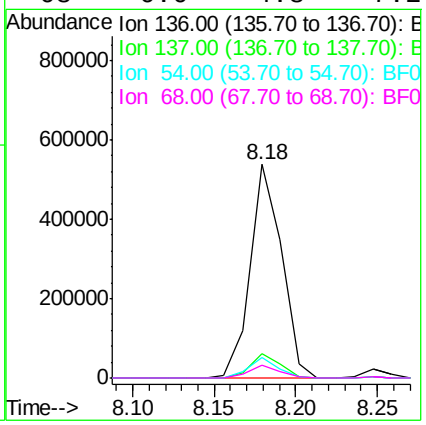


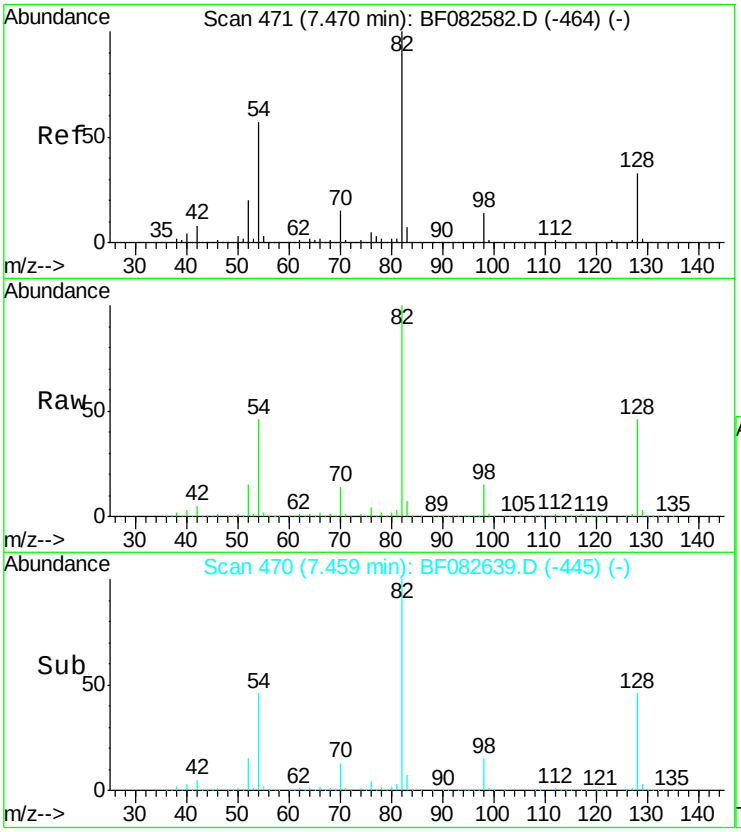


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:136 Resp: 721969

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	9.5	9.1	13.7
68	6.0	4.8	7.2



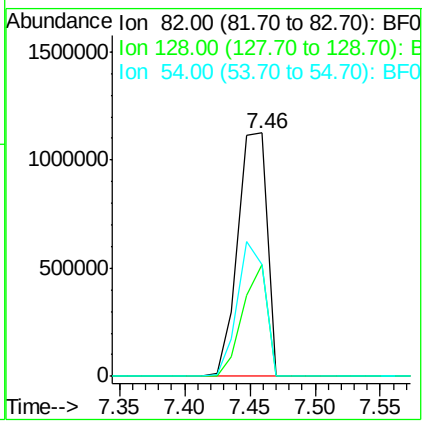


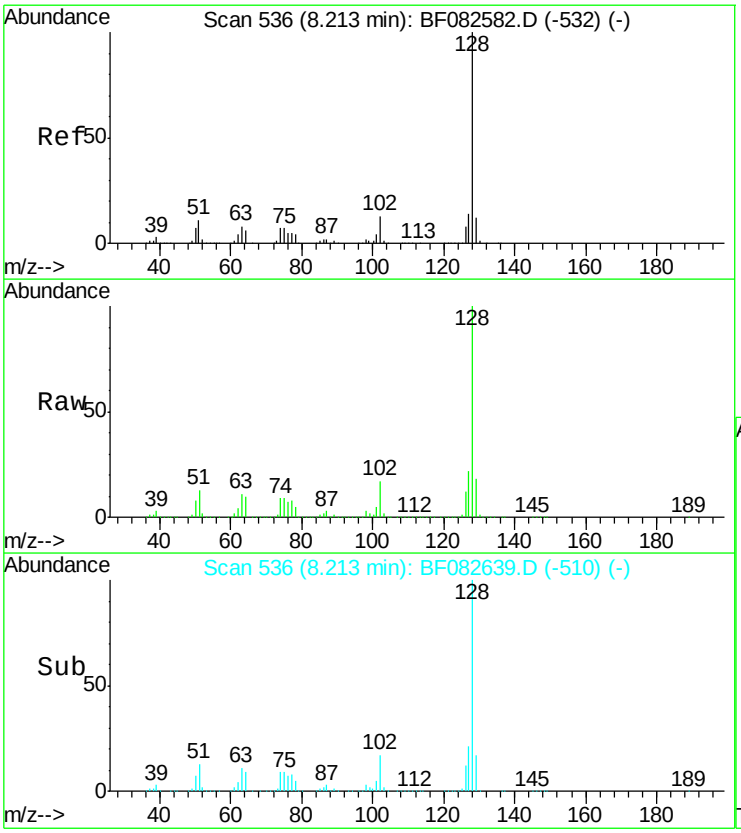
#23
Nitrobenzene-d5
Concen: 99.20 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion: 82 Resp: 1753920

Ion	Ratio	Lower	Upper
82	100		
128	45.8	26.8	40.2#
54	45.9	45.7	68.5

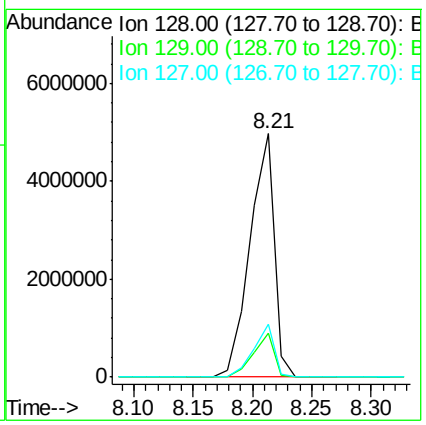


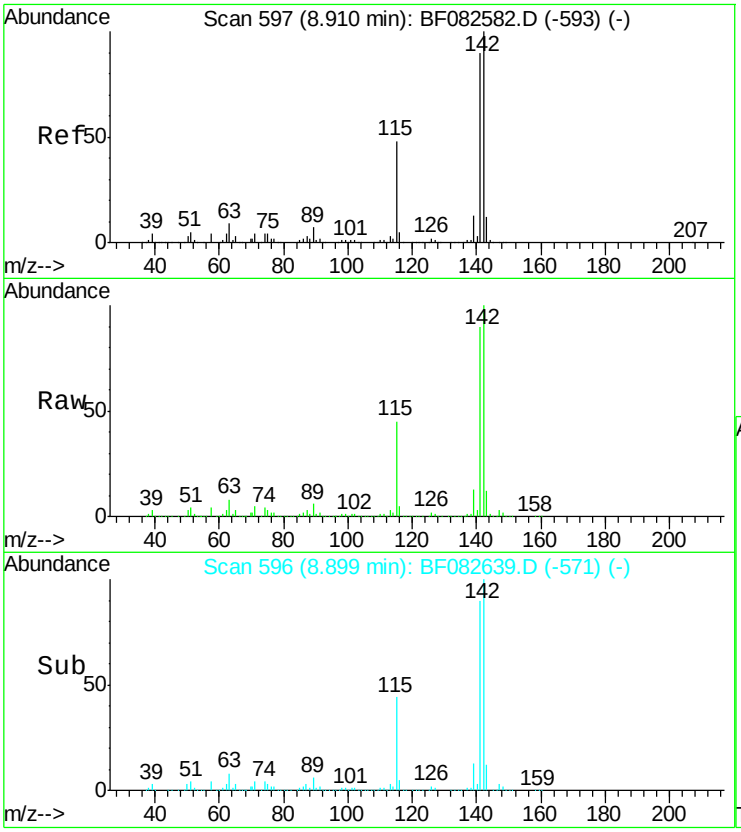


#31
Naphthalene
Concen: 182.91 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:128 Resp: 7145574

Ion	Ratio	Lower	Upper
128	100		
129	17.9	9.5	14.3#
127	21.6	11.4	17.0#



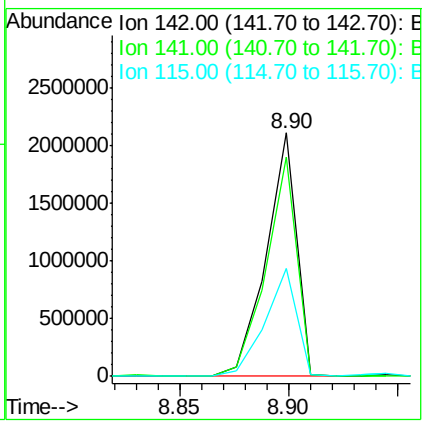


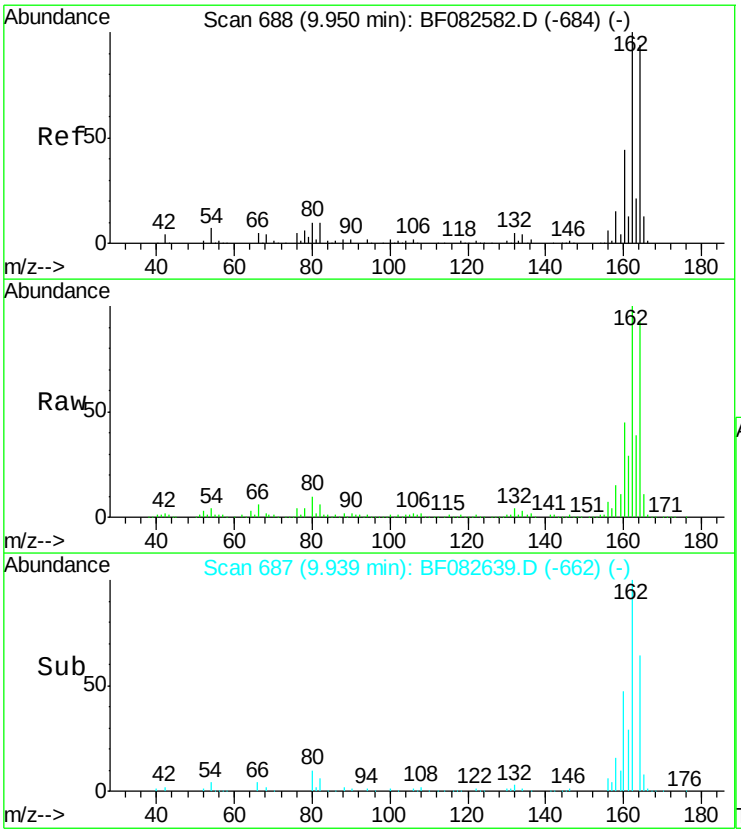
#37
2-Methylnaphthalene
Concen: 82.21 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:142 Resp: 2081488

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.3	108.5
115	44.6	38.1	57.1

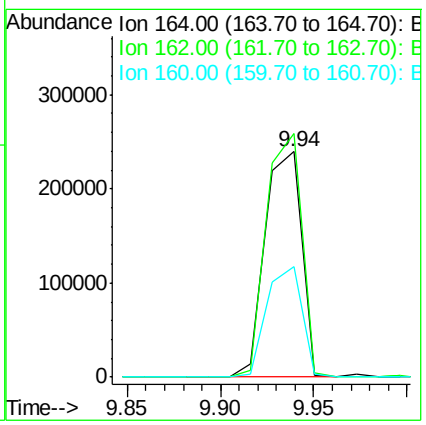


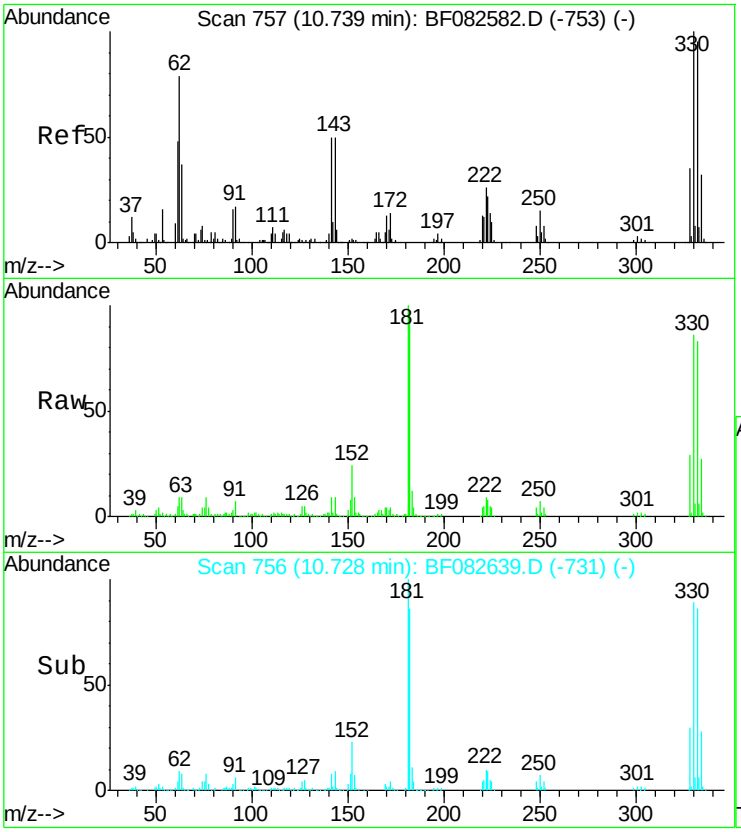


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:164 Resp: 326734

Ion	Ratio	Lower	Upper
164	100		
162	108.0	84.9	127.3
160	48.8	37.5	56.3



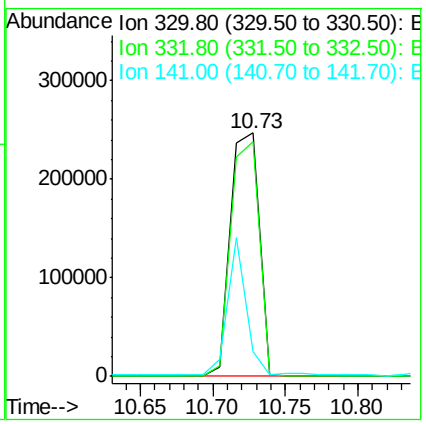


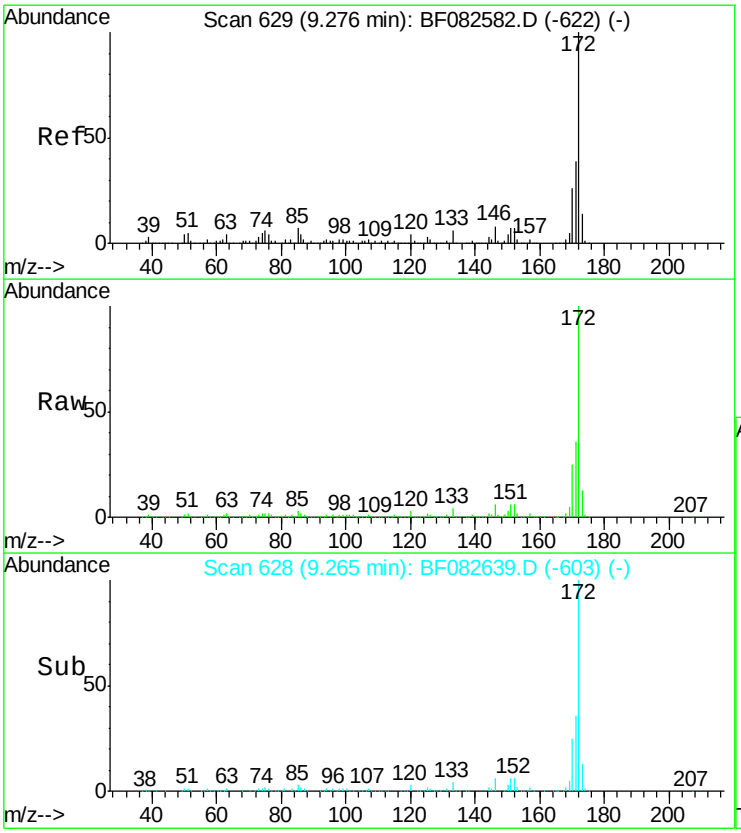
#41
2,4,6-Tribromophenol
Concen: 95.18 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:330 Resp: 340333

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	114.8
141	37.4	41.2	61.8#

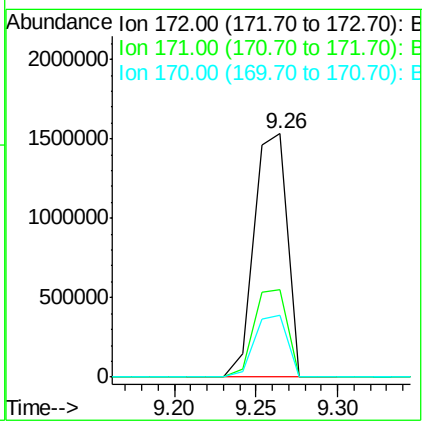


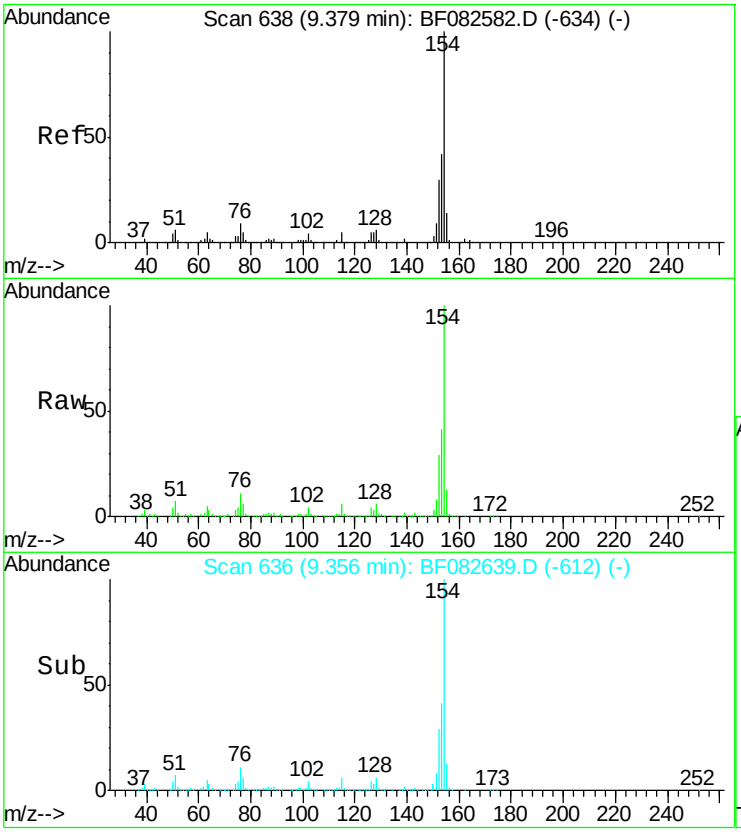


#44
2-Fluorobiphenyl
Concen: 94.02 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:172 Resp: 2163626

Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.8	46.2
170	25.2	21.2	31.8



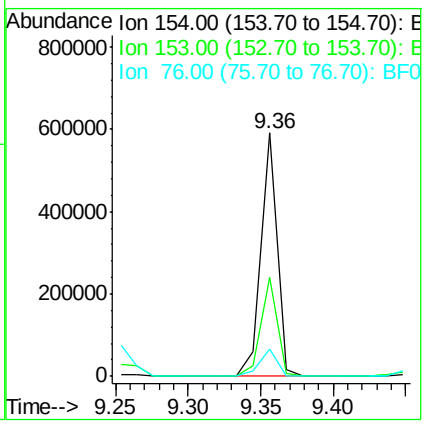


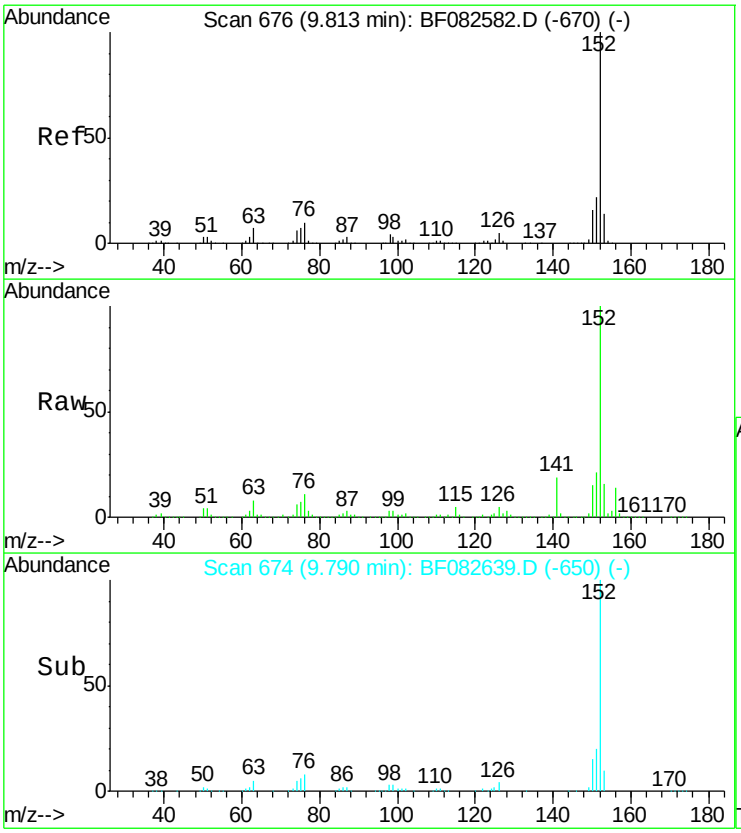
#45
1,1'-Biphenyl
Concen: 16.71 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:154 Resp: 461298

Ion	Ratio	Lower	Upper
154	100		
153	40.7	22.0	62.0
76	11.3	0.0	29.0

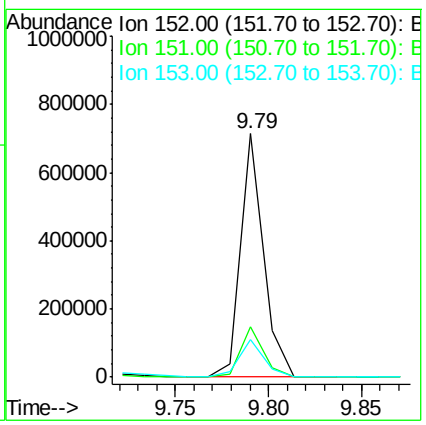


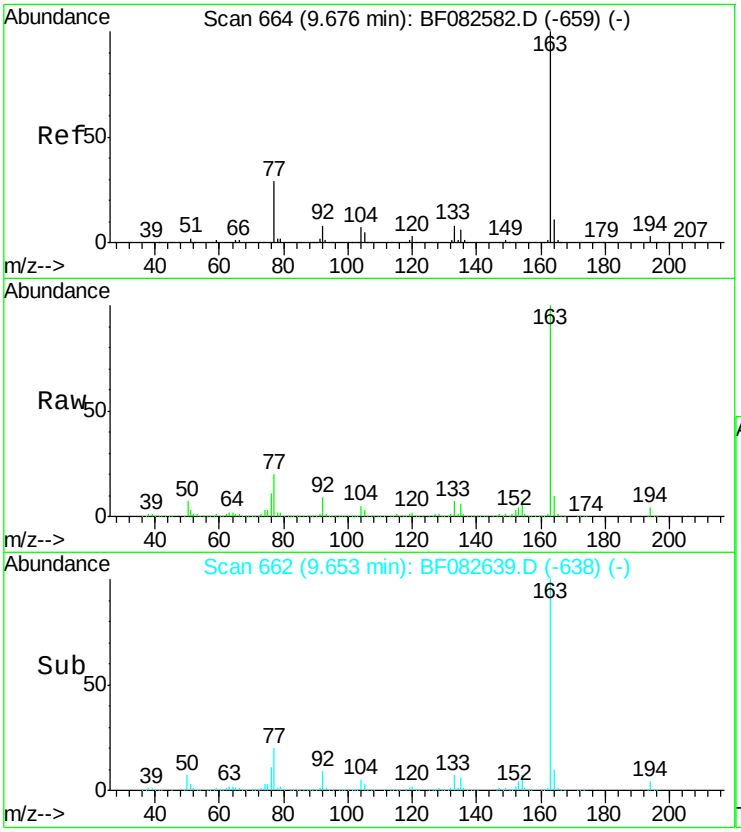


#48
Acenaphthylene
Concen: 17.78 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:152 Resp: 613022

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.3	25.9
153	15.6	11.3	16.9



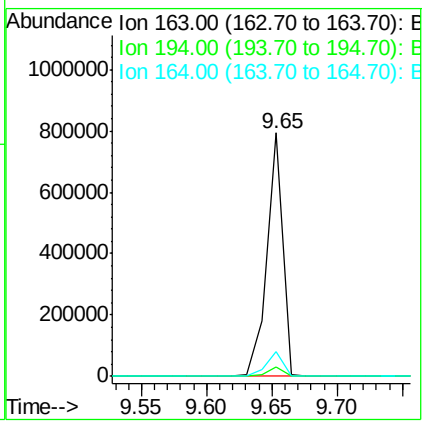


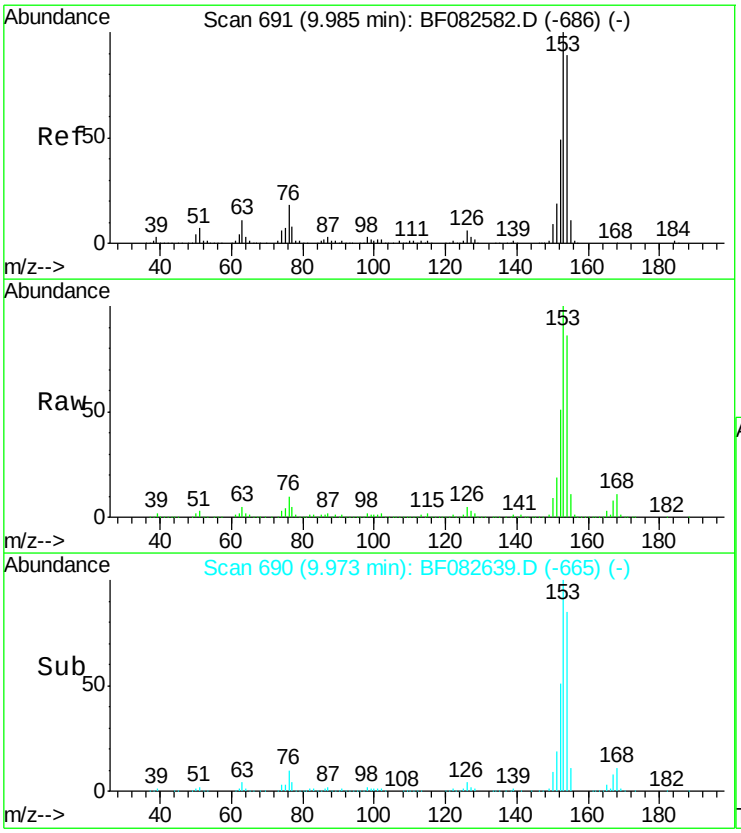
#49
Dimethylphthalate
Concen: 25.53 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:163 Resp: 681316

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.2	8.7	13.1

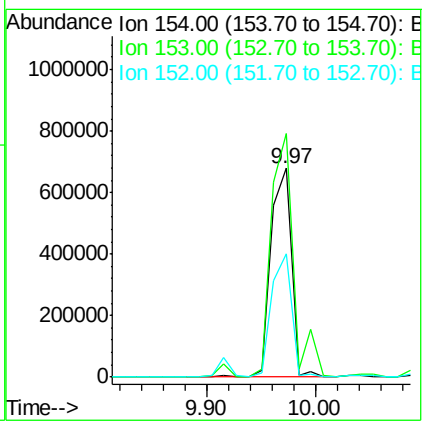


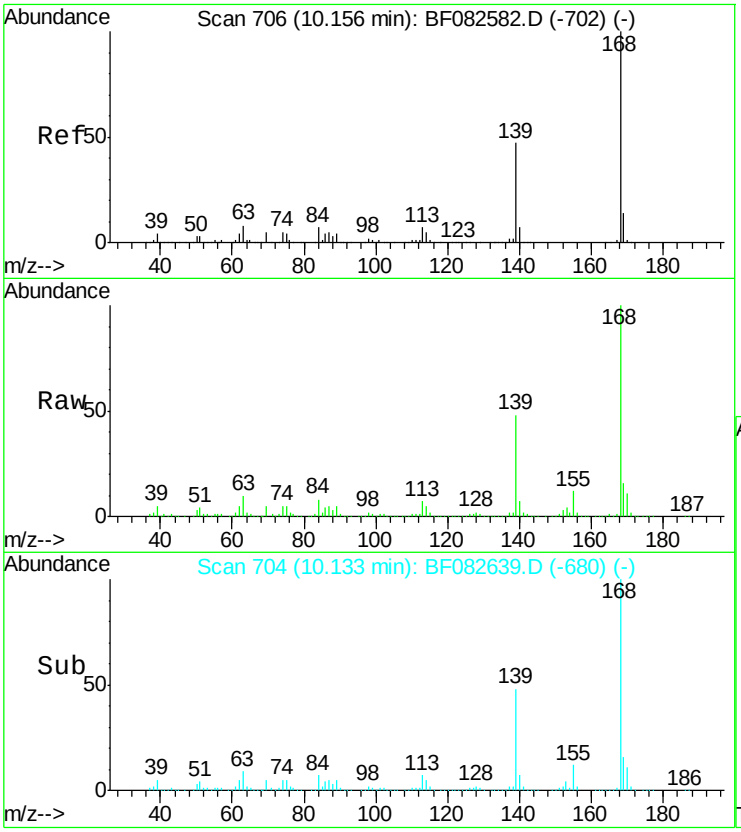


#51
Acenaphthene
Concen: 40.56 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:154 Resp: 887524

Ion	Ratio	Lower	Upper
154	100		
153	116.5	90.1	135.1
152	59.3	44.3	66.5



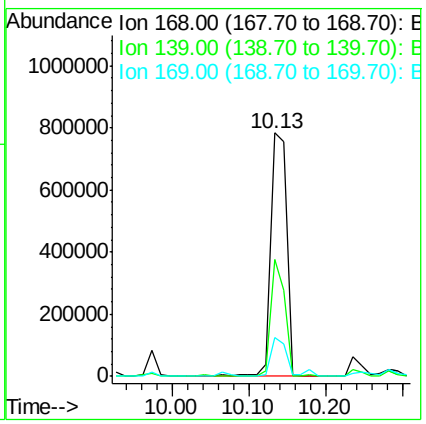


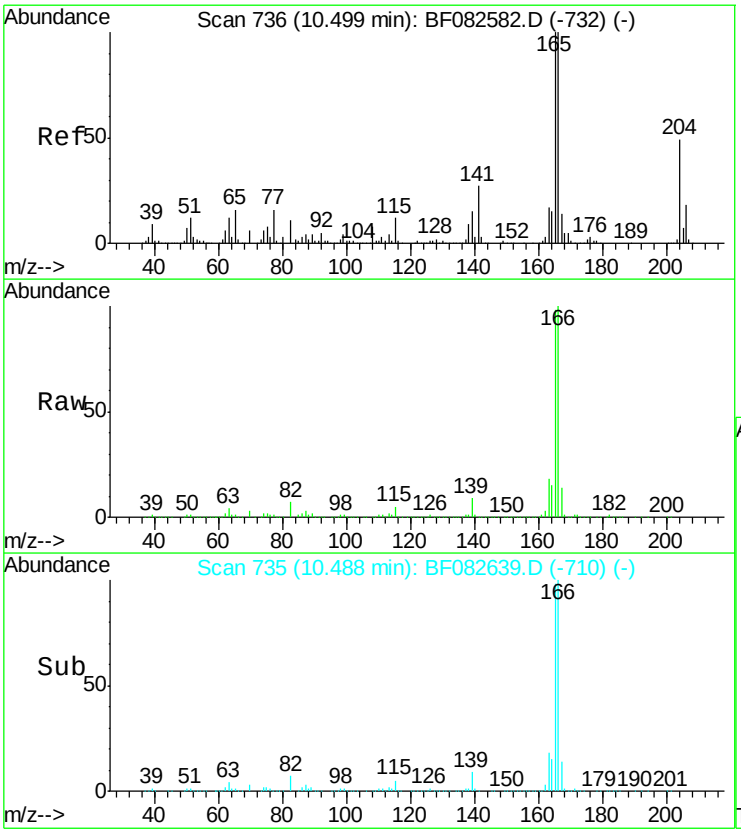
#54
Dibenzofuran
Concen: 37.13 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:168 Resp: 1102408

Ion	Ratio	Lower	Upper
168	100		
139	48.0	37.8	56.6
169	15.9	11.3	16.9

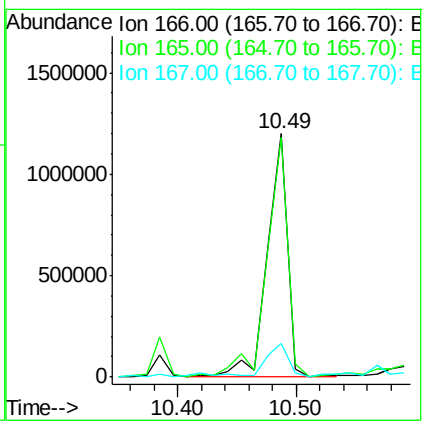


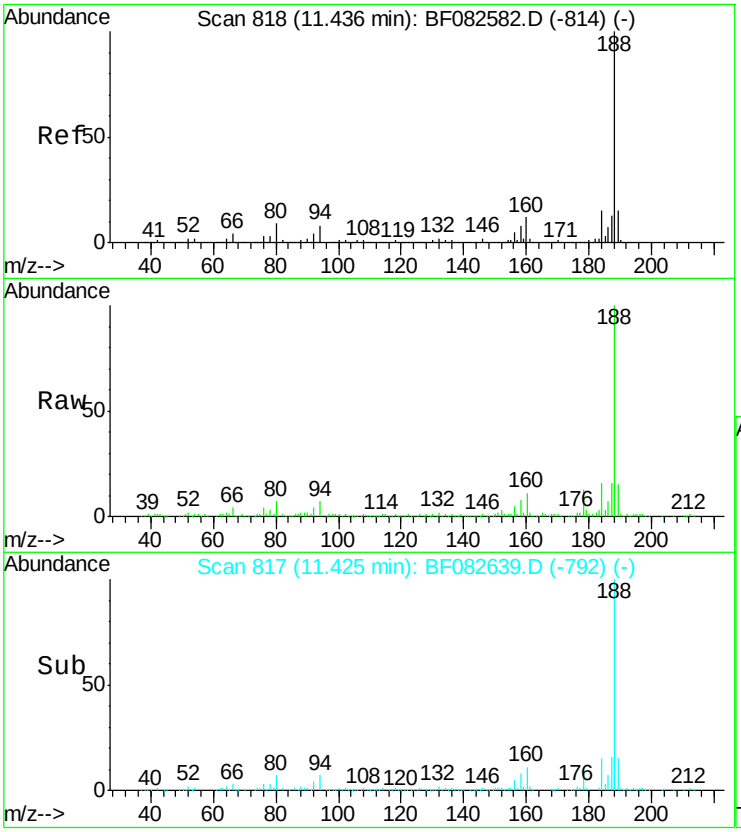


#57
Fluorene
Concen: 58.91 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:166 Resp: 1411043

Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.2	120.4
167	13.8	11.2	16.8



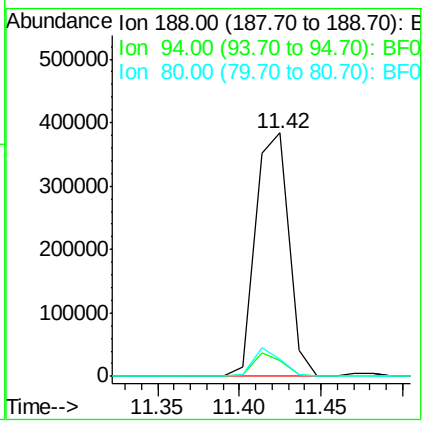


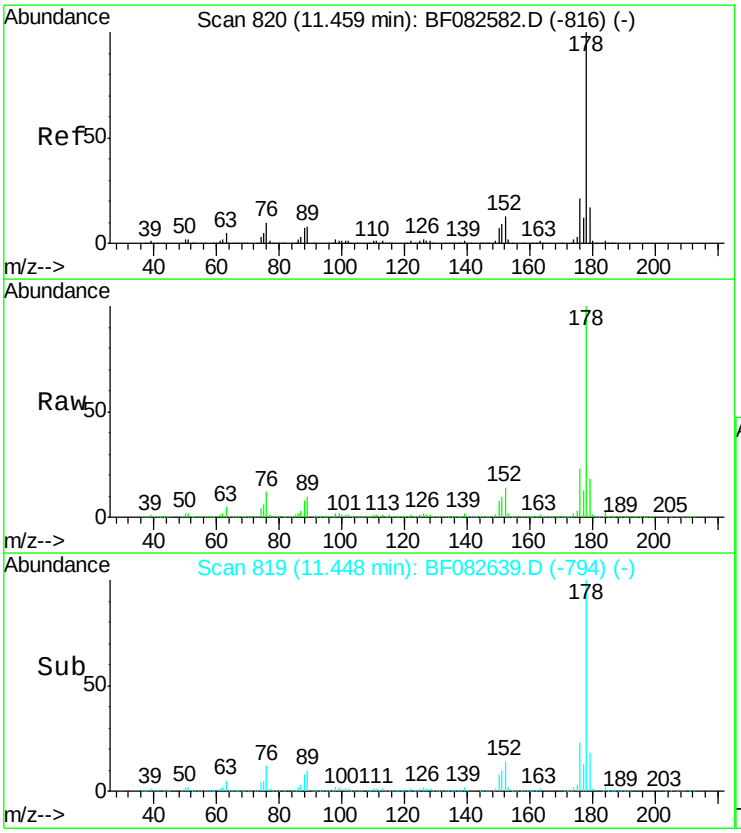
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:188 Resp: 543282

Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.1	9.1
80	7.2	7.0	10.6

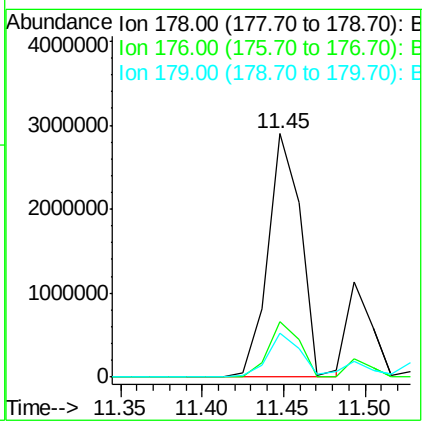


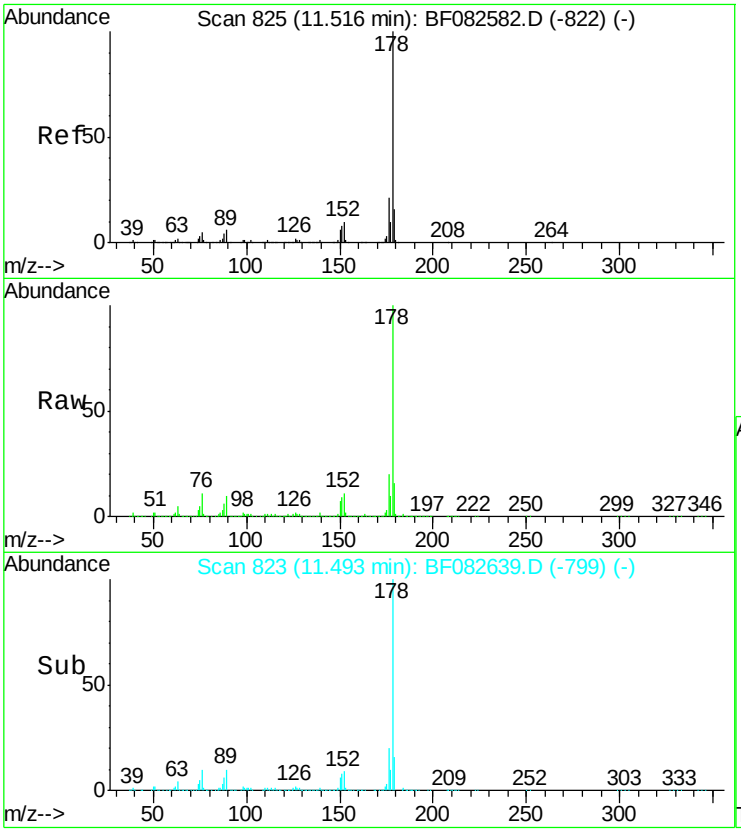


#70
Phenanthrene
Concen: 132.92 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:178 Resp: 4072924

Ion	Ratio	Lower	Upper
178	100		
176	22.7	17.0	25.4
179	17.9	13.4	20.0



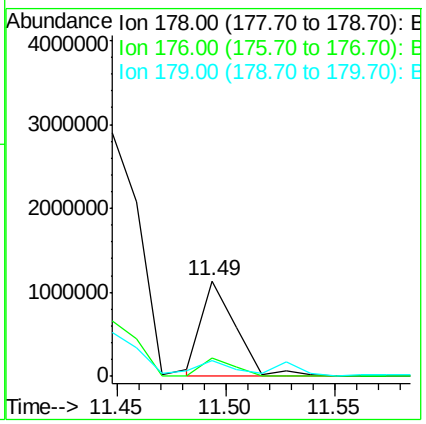


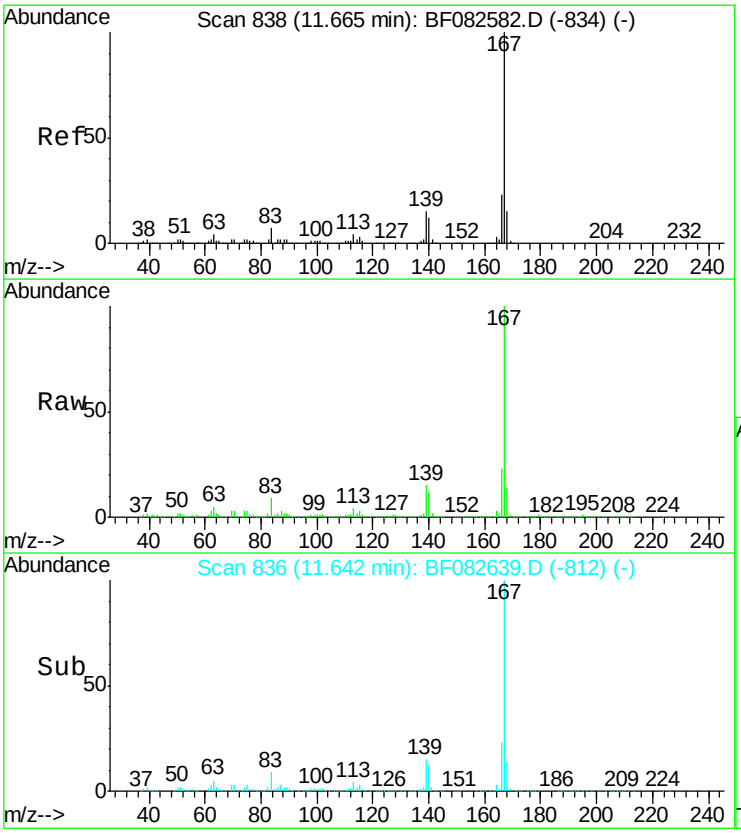
#71
Anthracene
Concen: 39.77 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:178 Resp: 1227156

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.5	24.7
179	16.4	13.2	19.8

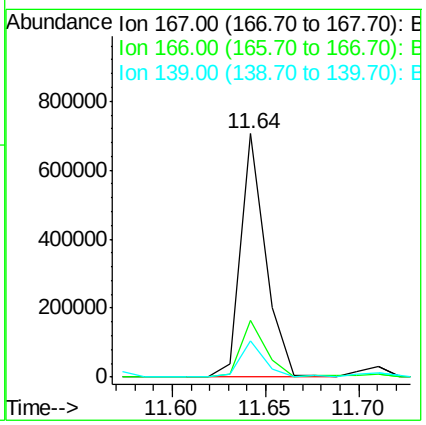


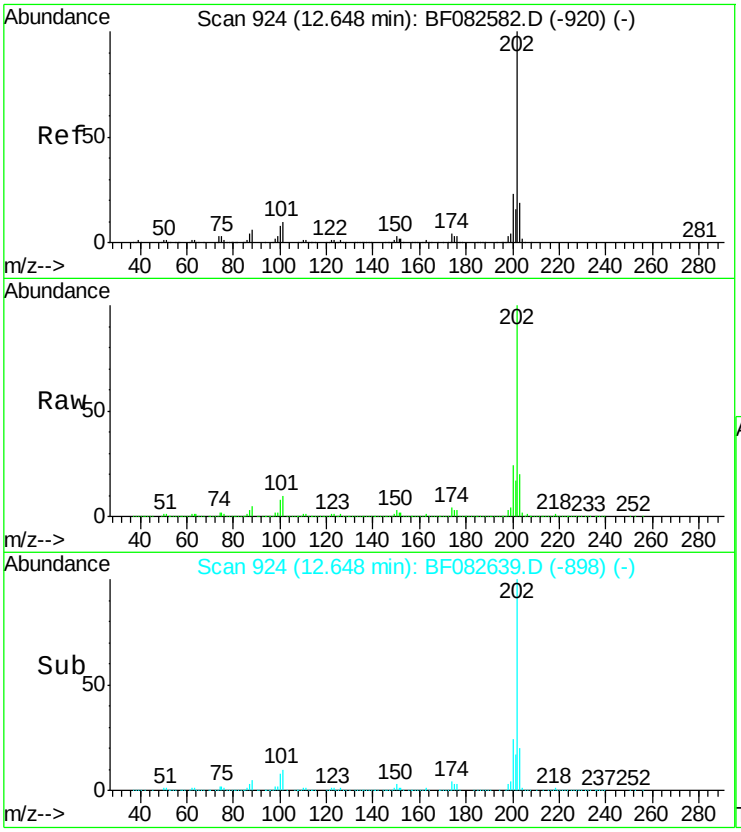


#72
Carbazole
Concen: 24.29 ng
RT: 11.64 min Scan# 836
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:167 Resp: 652895

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.7	28.1
139	15.0	11.8	17.6



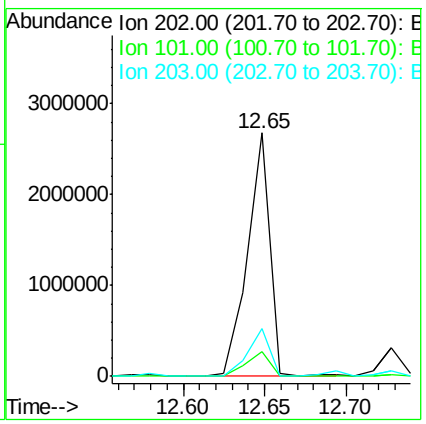


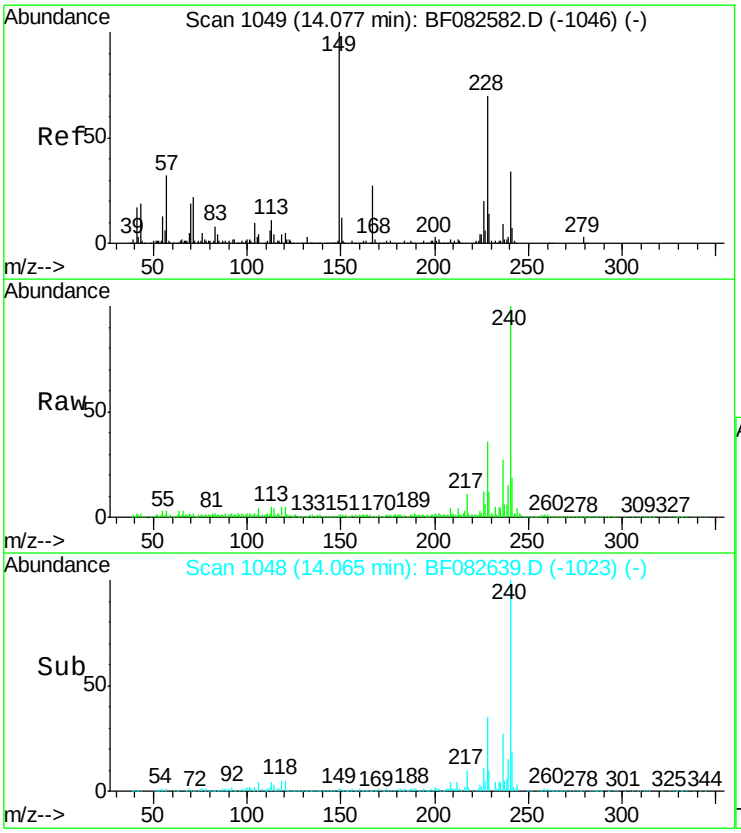
#74
Fluoranthene
Concen: 80.31 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.00 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:202 Resp: 2515786

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.5
203	19.7	0.0	38.5

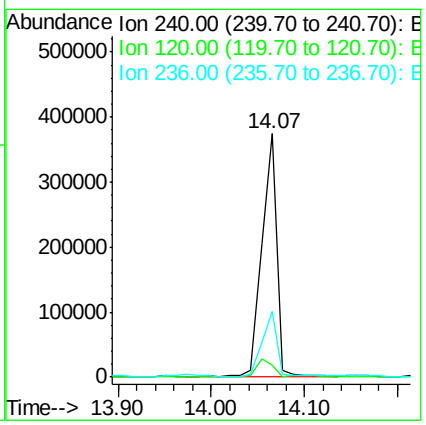


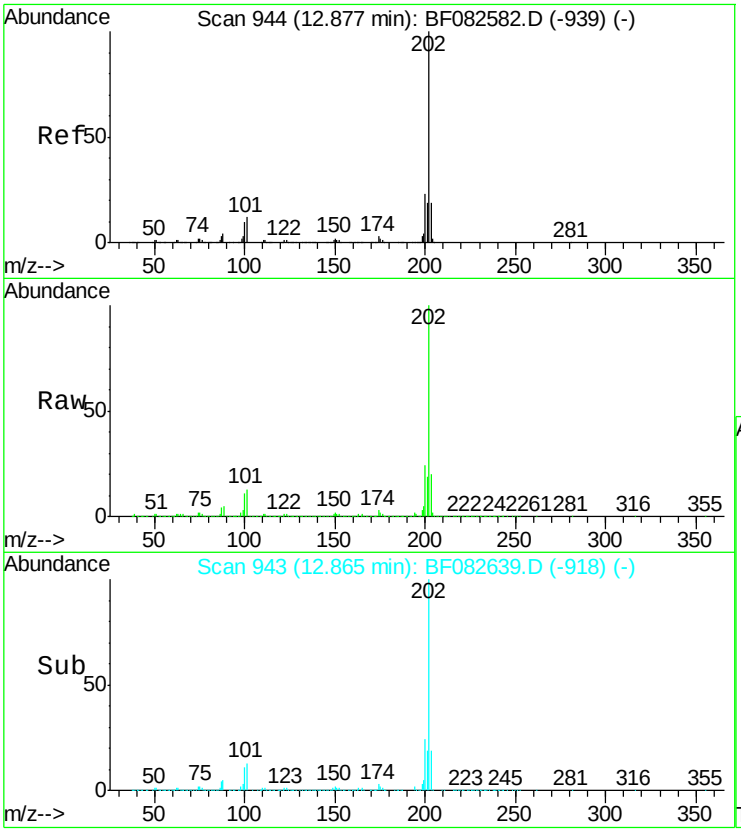


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:240 Resp: 419670

Ion	Ratio	Lower	Upper
240	100		
120	4.9	10.9	16.3#
236	26.9	21.6	32.4



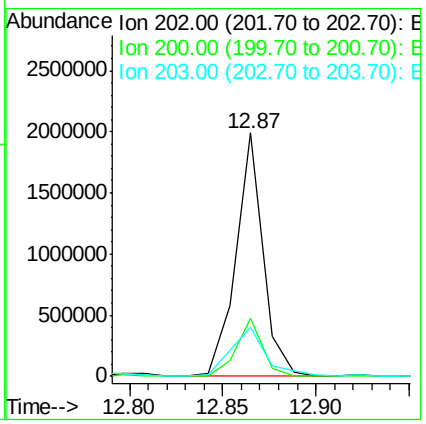


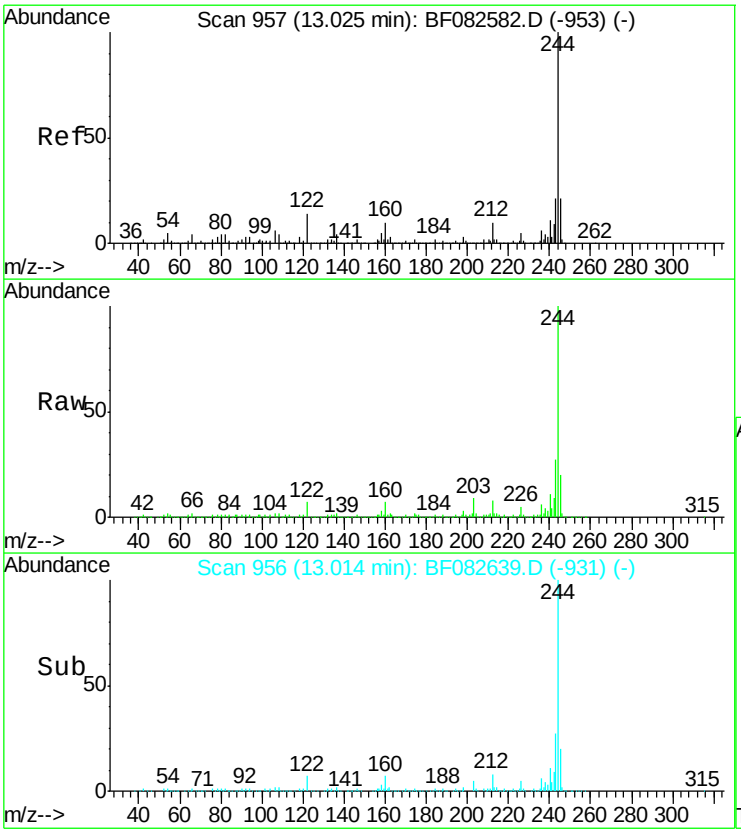
#77
Pyrene
Concen: 65.12 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:202 Resp: 2023766

Ion	Ratio	Lower	Upper
202	100		
200	23.8	18.7	28.1
203	20.0	14.8	22.2

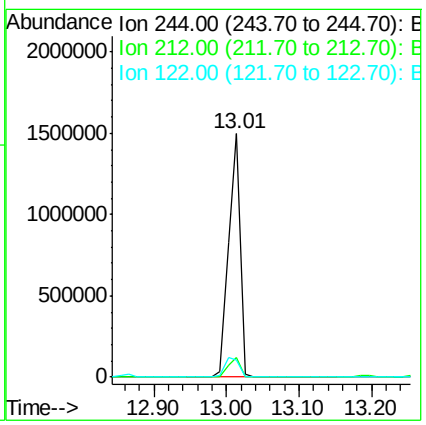


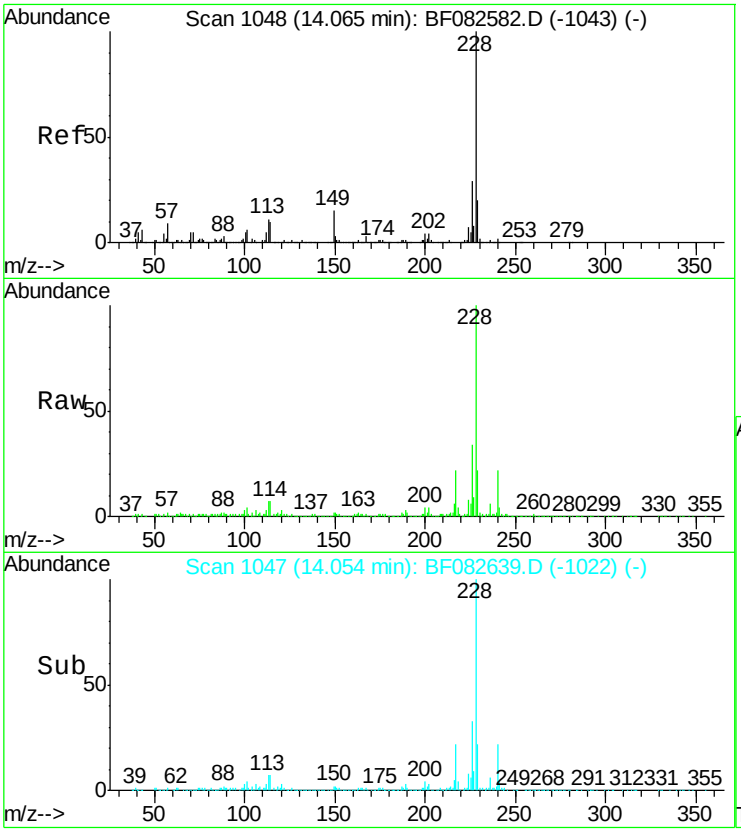


#78
Terphenyl-d14
Concen: 85.19 ng
RT: 13.01 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:244 Resp: 1633706

Ion	Ratio	Lower	Upper
244	100		
212	7.9	7.6	11.4
122	6.8	11.3	16.9#



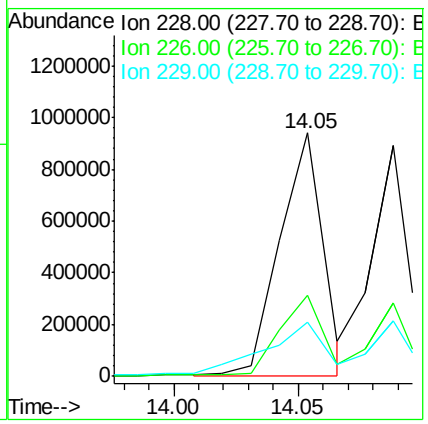


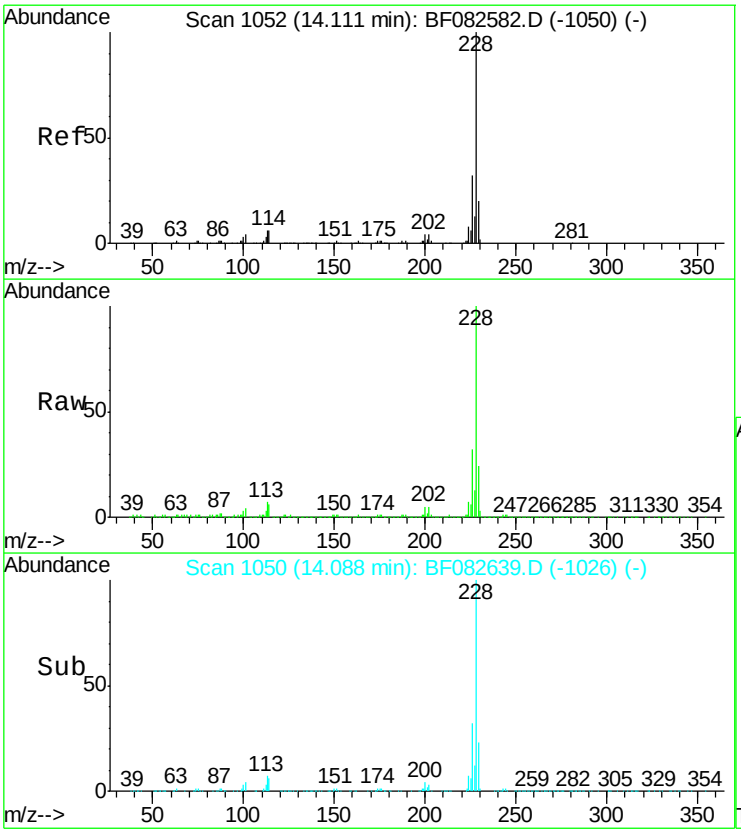
#80
Benzo(a)anthracene
Concen: 42.51 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:228 Resp: 1133260

Ion	Ratio	Lower	Upper
228	100		
226	33.5	23.4	35.2
229	22.2	16.3	24.5

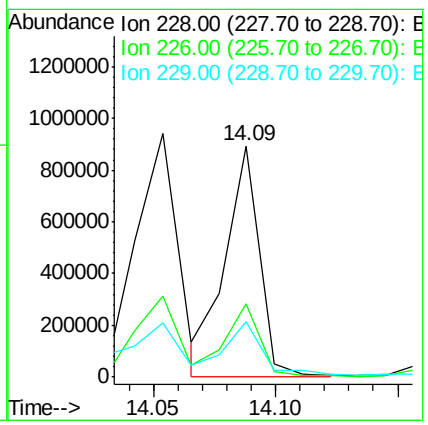


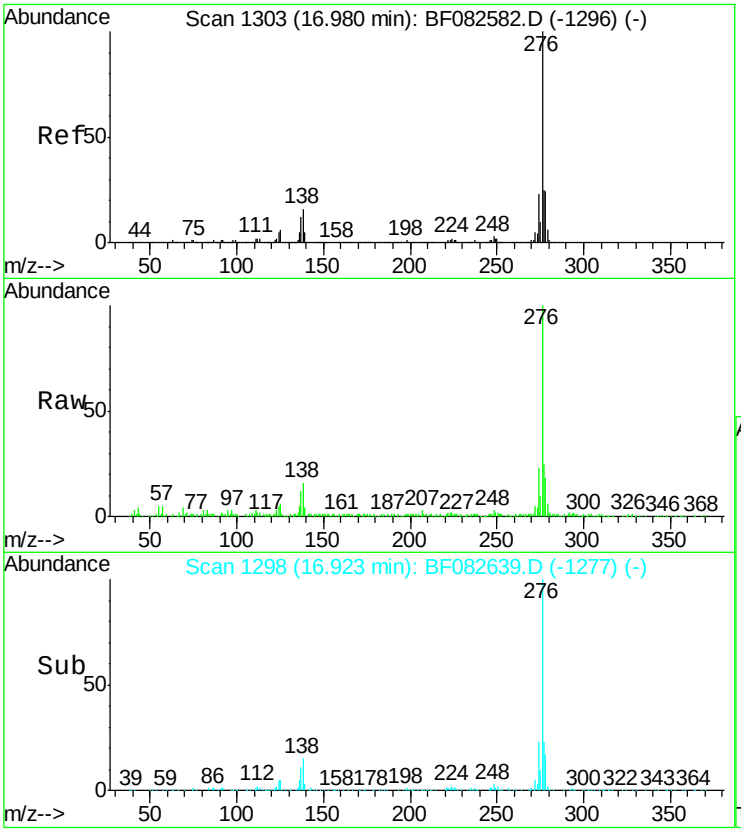


#82
Chrysene
Concen: 36.50 ng m
RT: 14.09 min Scan# 1050
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:228 Resp: 882062

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.5	38.3
229	23.8	16.3	24.5



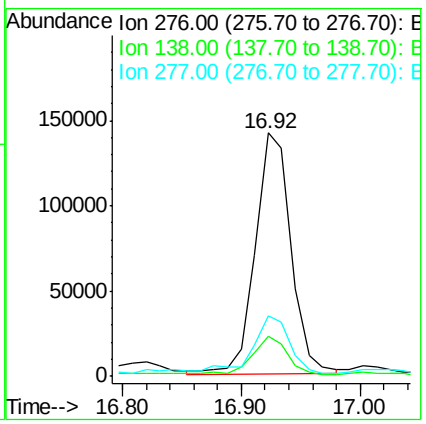


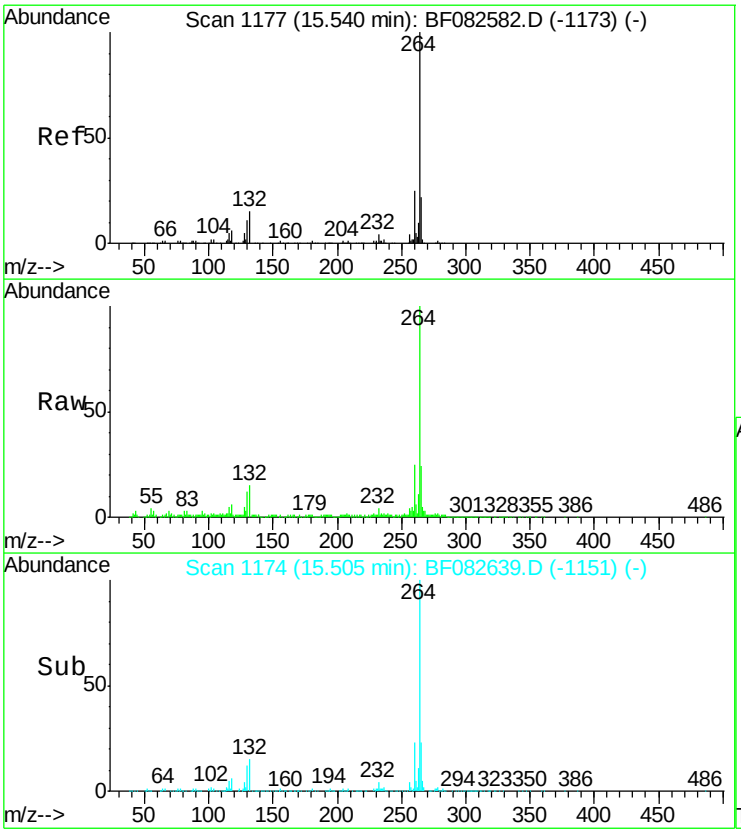
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.87 ng
RT: 16.92 min Scan# 1298
Delta R.T. -0.06 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:276 Resp: 296563

Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.3	22.9
277	25.1	20.2	30.4

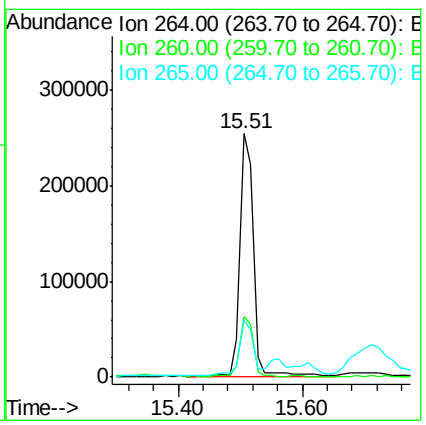


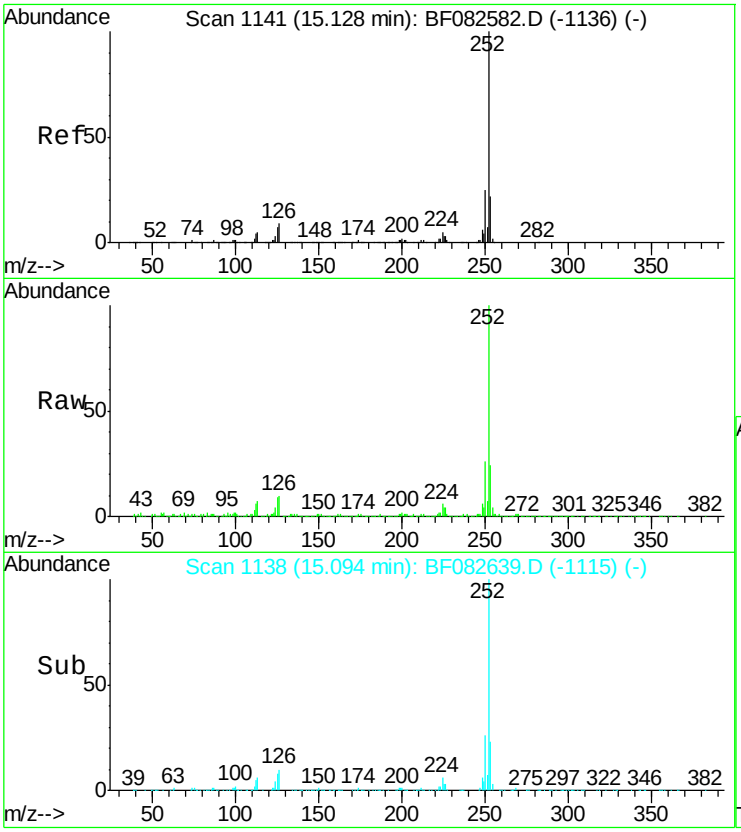


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.03 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:264 Resp: 388344

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.6
265	23.6	17.4	26.0



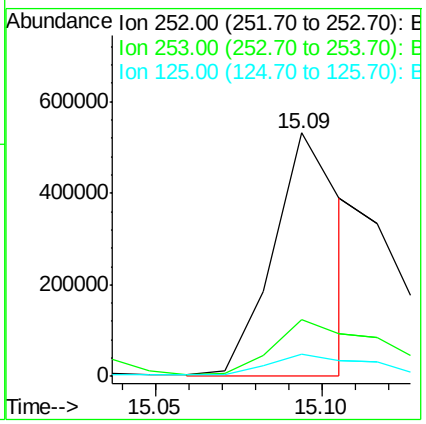


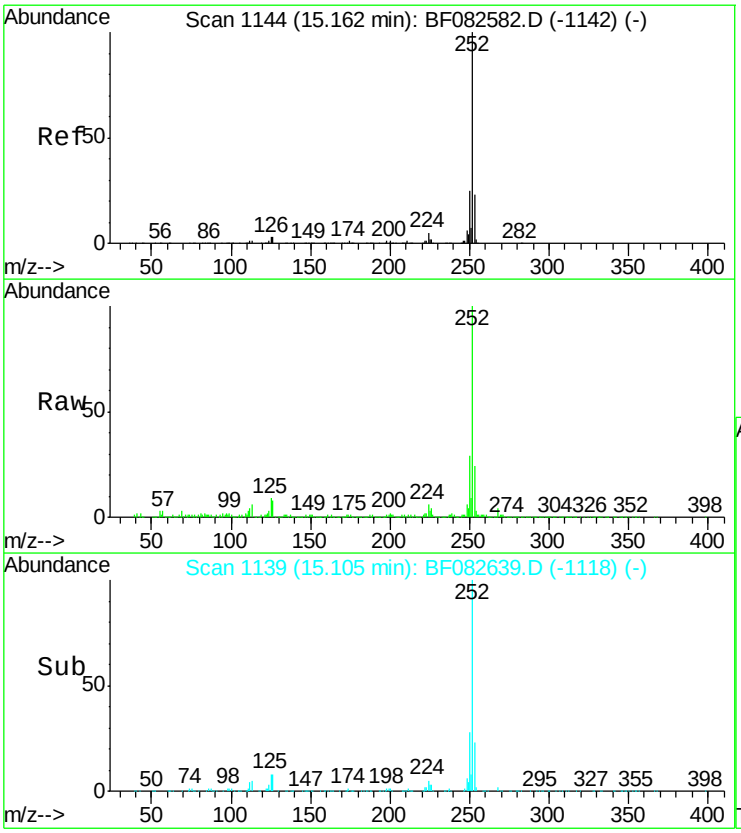
#87
Benzo(b)fluoranthene
Concen: 28.74 ng m
RT: 15.09 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:252 Resp: 769619

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	9.0	5.4	8.2#

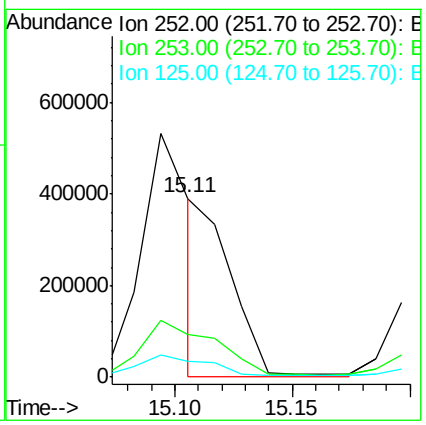


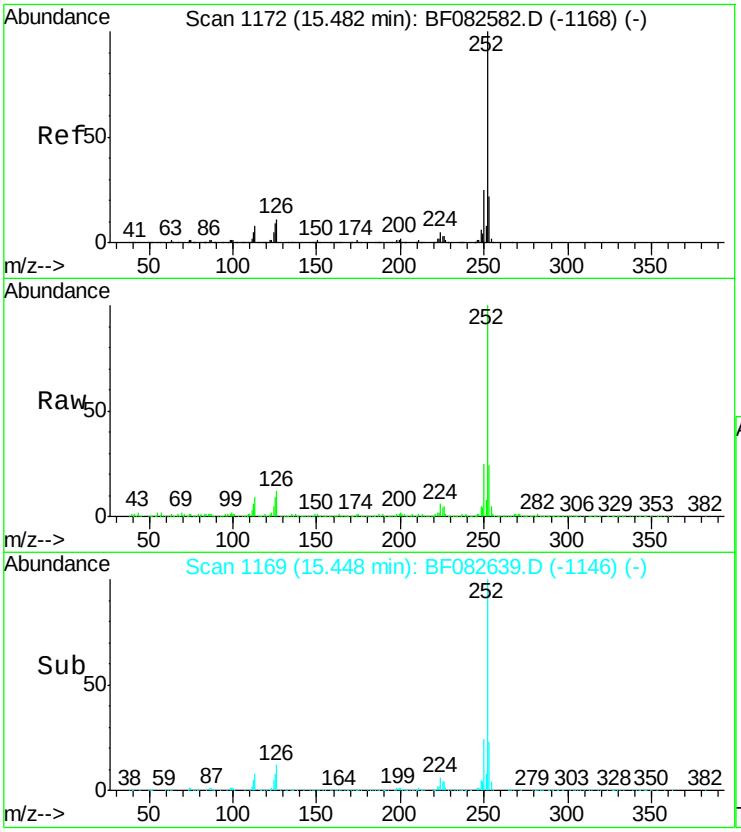


#88
Benzo(k)fluoranthene
Concen: 17.45 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.06 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:252 Resp: 356093

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	8.7	3.5	5.3#



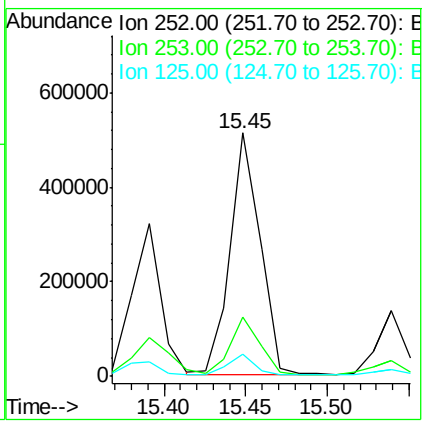


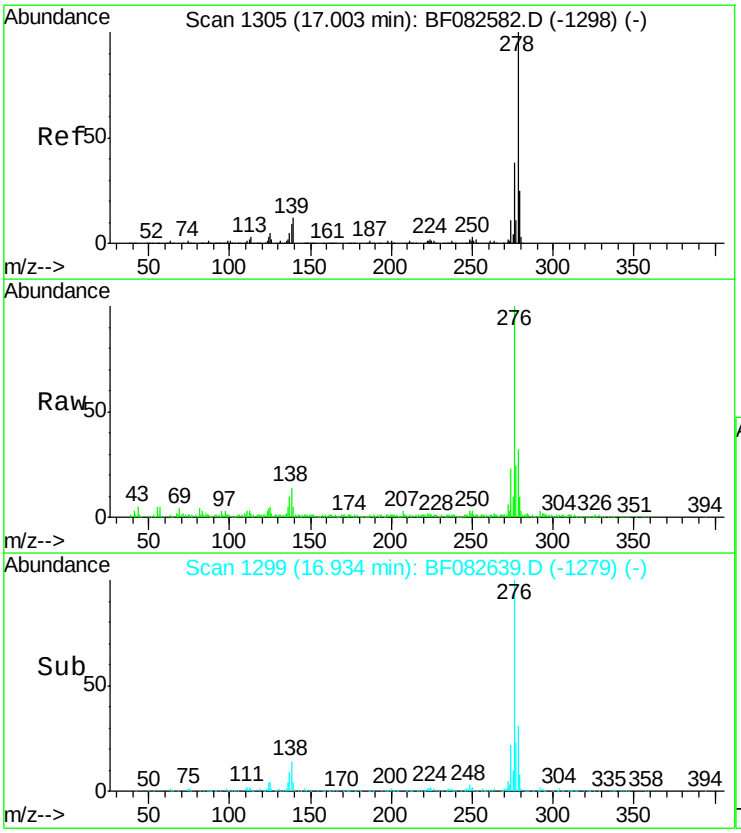
#89
Benzo(a)pyrene
Concen: 30.78 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:252 Resp: 649081

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	9.0	7.1	10.7

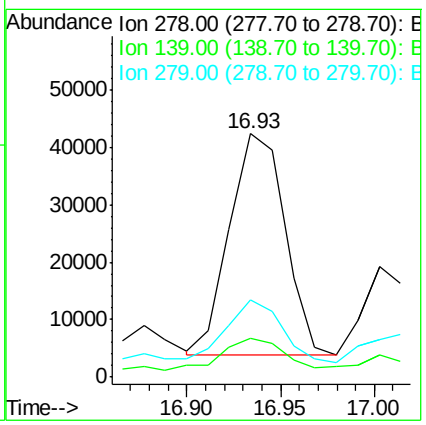


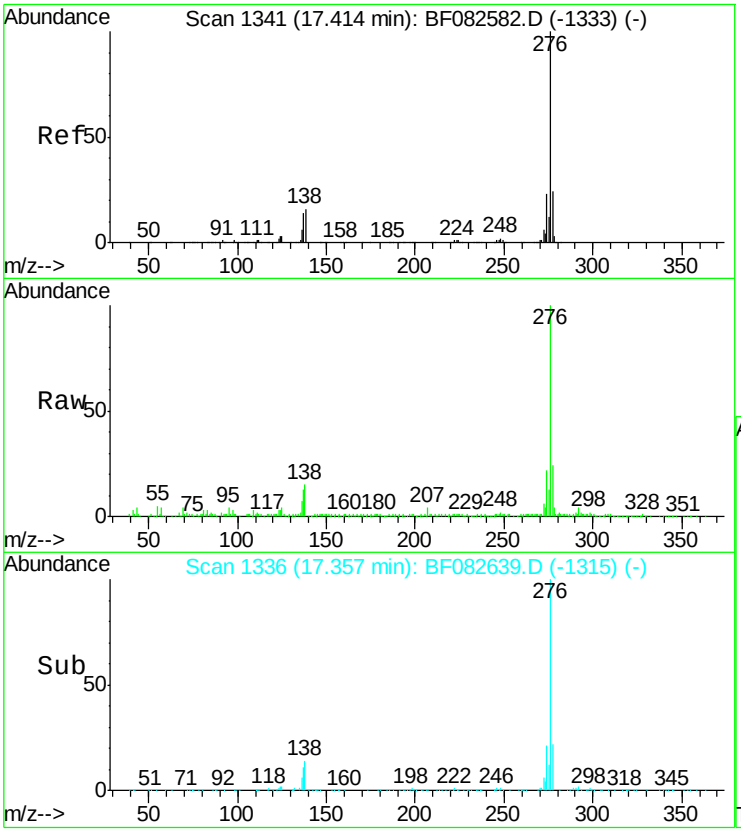


#90
Dibenzo(a,h)anthracene
Concen: 4.02 ng m
RT: 16.93 min Scan# 1299
Delta R.T. -0.07 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:278 Resp: 79122

Ion	Ratio	Lower	Upper
278	100		
139	15.8	9.9	14.9#
279	31.7	19.6	29.4#





#91
Benzo(g,h,i)perylene
Concen: 13.31 ng
RT: 17.36 min Scan# 1336
Delta R.T. -0.06 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:276 Resp: 253824

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	15.4	13.1	19.7