Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082728.D
Acq On : 5 Nov 2015 14:38
Operator : UM/IZ
Sample : G4241-01DL 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17(3)DL

Quant Time: Nov 06 04:32:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	171361	20.00	ng		-0.01
21) Naphthalene-d8	8.16	136	582693	20.00	ng		-0.01
38) Acenaphthene-d10	9.92	164	281537	20.00	ng		-0.01
63) Phenanthrene-d10	11.40	188	439125	20.00	ng		-0.01
75) Chrysene-d12	14.03	240	344971	20.00	ng		-0.02
86) Perylene-d12	15.48	264	368582	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	760221	66.82	ng		-0.01
7) Phenol-d6	6.49	99	908720	60.12	ng		-0.02
23) Nitrobenzene-d5	7.42	82	739964	51.86	ng		-0.02
41) 2,4,6-Tribromophenol	10.70	330	214801	69.71	ng		-0.01
44) 2-Fluorobiphenyl	9.23	172	889926	44.88	ng		-0.02
78) Terphenyl-d14	12.99	244	620011	39.33	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.17	128	439224	13.93	ng		99
37) 2-Methylnaphthalene	8.86	142	198787	9.73	ng		97
48) Acenaphthylene	9.77	152	196897	6.63	ng	#	87
49) Dimethylphthalate	9.62	163	197735	8.60	ng	#	94
51) Acenaphthene	9.95	154	325707	17.27	ng		93
57) Fluorene	10.46	166	295437m	14.32	ng		
70) Phenanthrene	11.42	178	1165514	47.06	ng	#	96
71) Anthracene	11.48	178	332048	13.32	ng	#	92
74) Fluoranthene	12.63	202	512413	20.24	ng		90
77) Pyrene	12.84	202	974805	38.16	ng		98
80) Benzo(a)anthracene	14.02	228	315811m	14.41	ng		
82) Chrysene	14.05	228	185850m	9.36	ng		
85) Indeno(1,2,3-cd)pyrene	16.88	276	140835	8.59	ng		96
87) Benzo(b)fluoranthene	15.07	252	256499m	10.09	ng		
88) Benzo(k)fluoranthene	15.08	252	73015m	3.77	ng		
89) Benzo(a)pyrene	15.41	252	239746	11.98	ng	#	87
91) Benzo(g,h,i)perylene	17.31	276	171689	9.49	ng		98

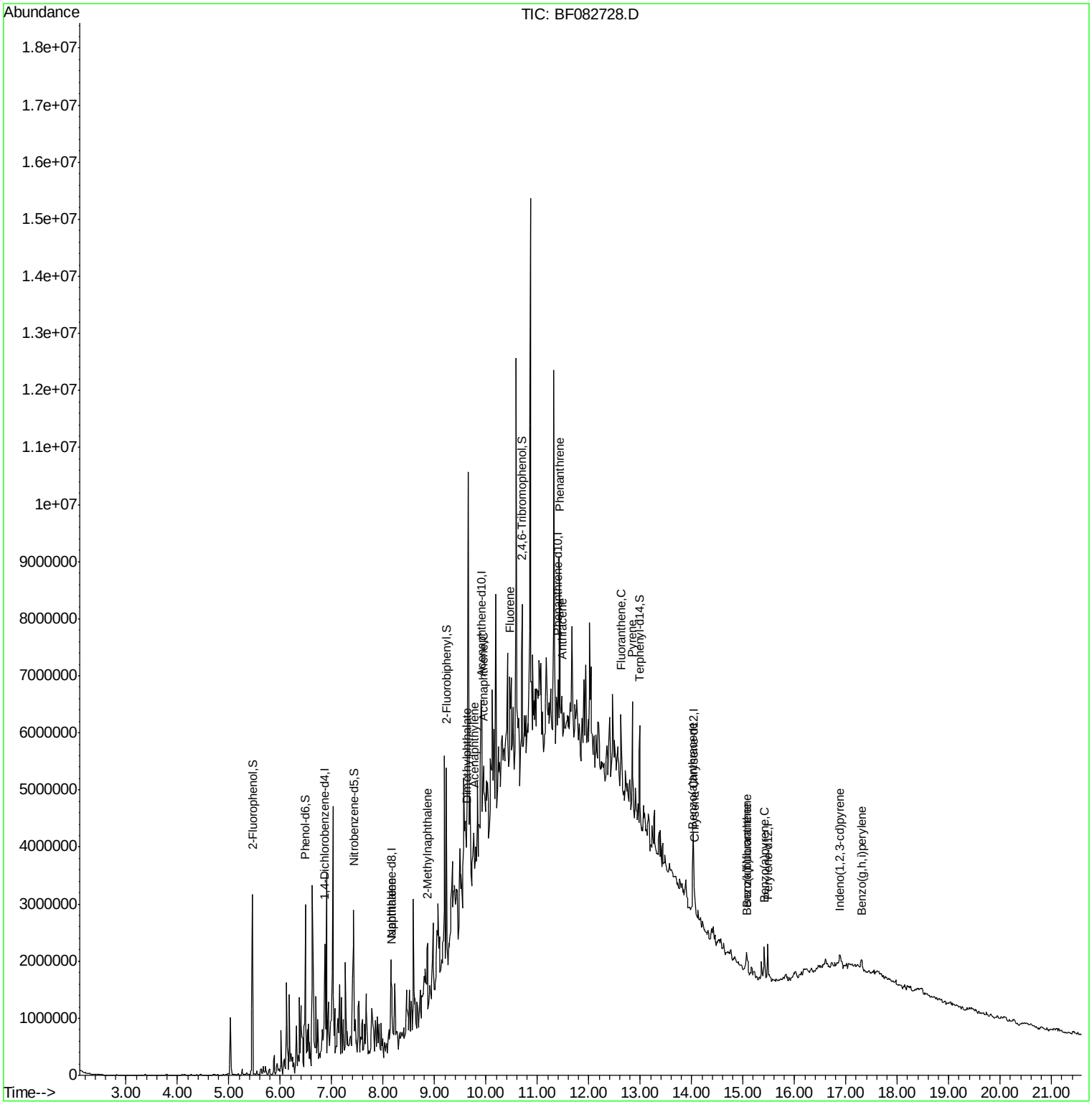
(#) = qualifier out of range (m) = manual integration (+) = signals summed

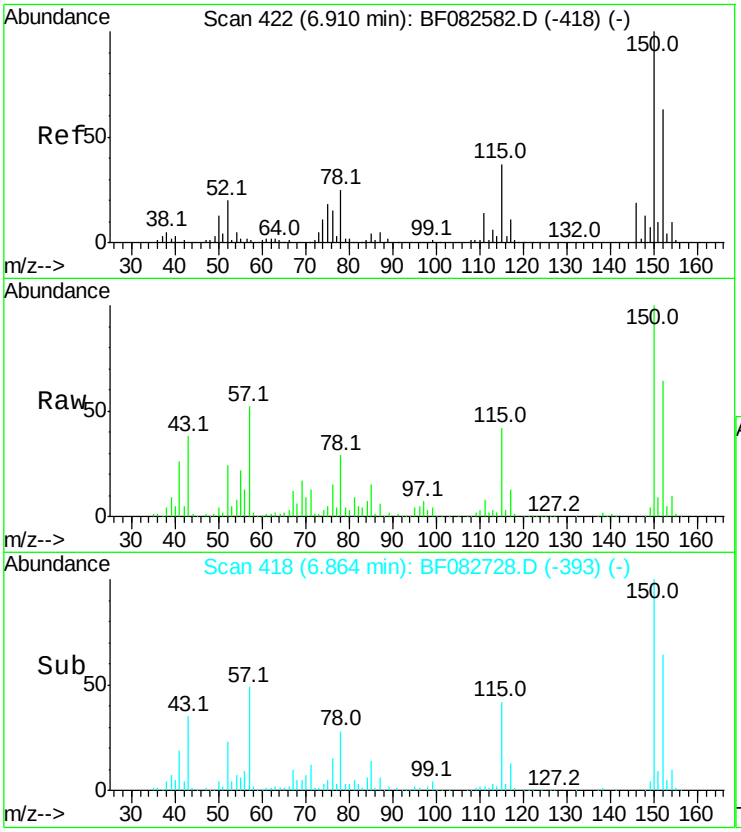
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082728.D
Acq On : 5 Nov 2015 14:38
Operator : UM/IZ
Sample : G4241-01DL 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Quant Time: Nov 06 04:32:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration



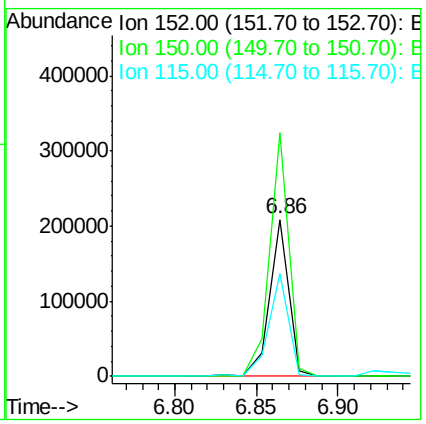


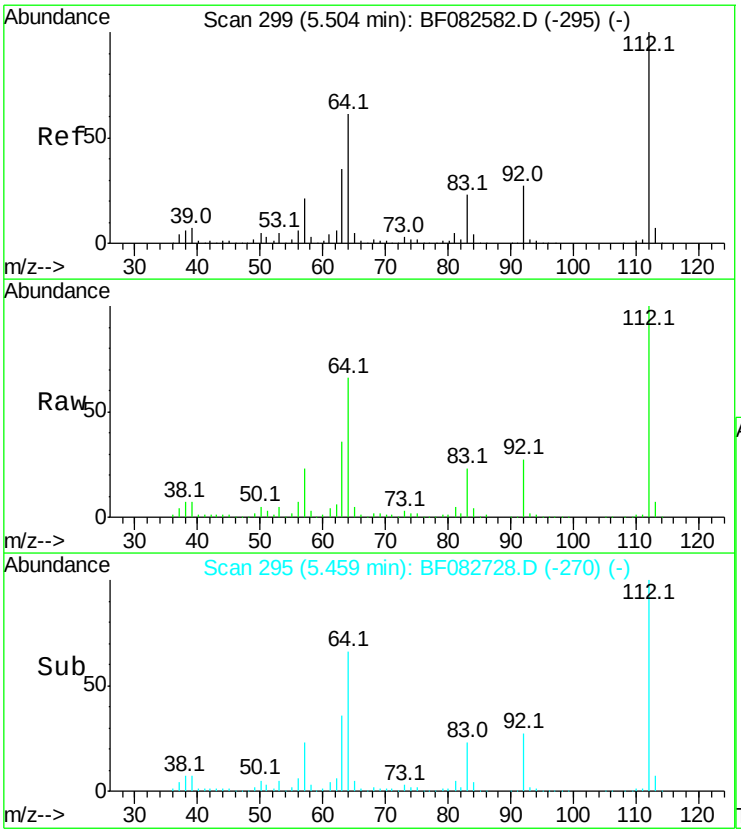
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:152 Resp: 171361

Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.0	190.4
115	65.1	47.0	70.6

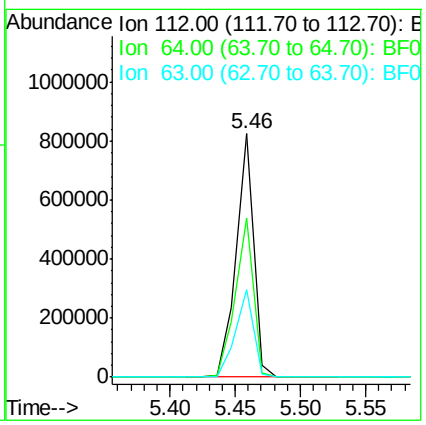


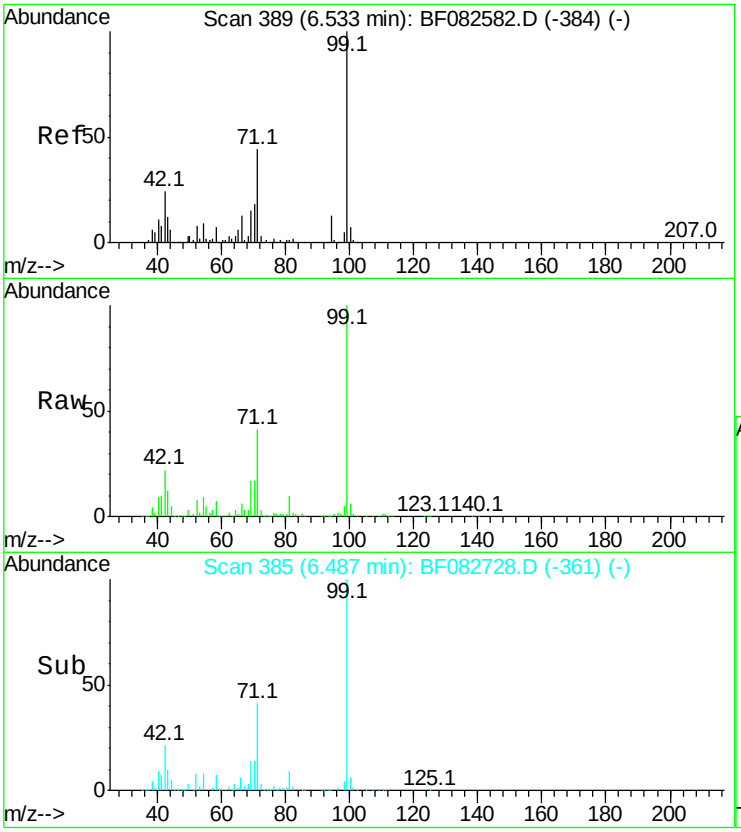


#5
2-Fluorophenol
Concen: 66.82 ng
RT: 5.46 min Scan# 295
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:112 Resp: 760221

Ion	Ratio	Lower	Upper
112	100		
64	65.5	48.9	73.3
63	35.9	28.1	42.1



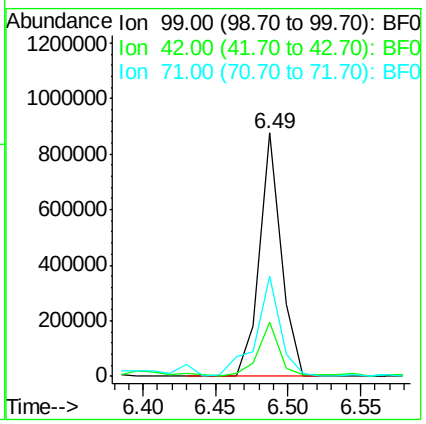


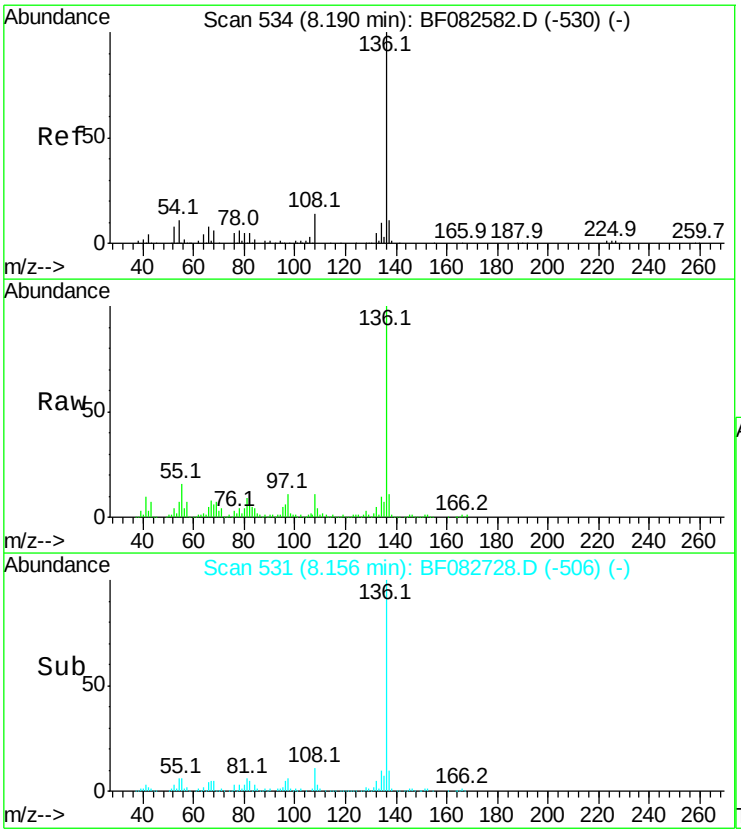
#7
Phenol-d6
Concen: 60.12 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion: 99 Resp: 908720

Ion	Ratio	Lower	Upper
99	100		
42	22.0	19.2	28.8
71	41.3	35.0	52.4

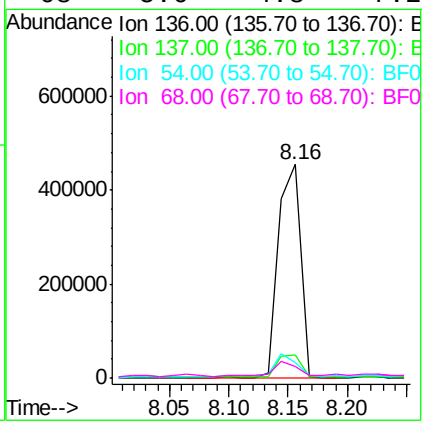


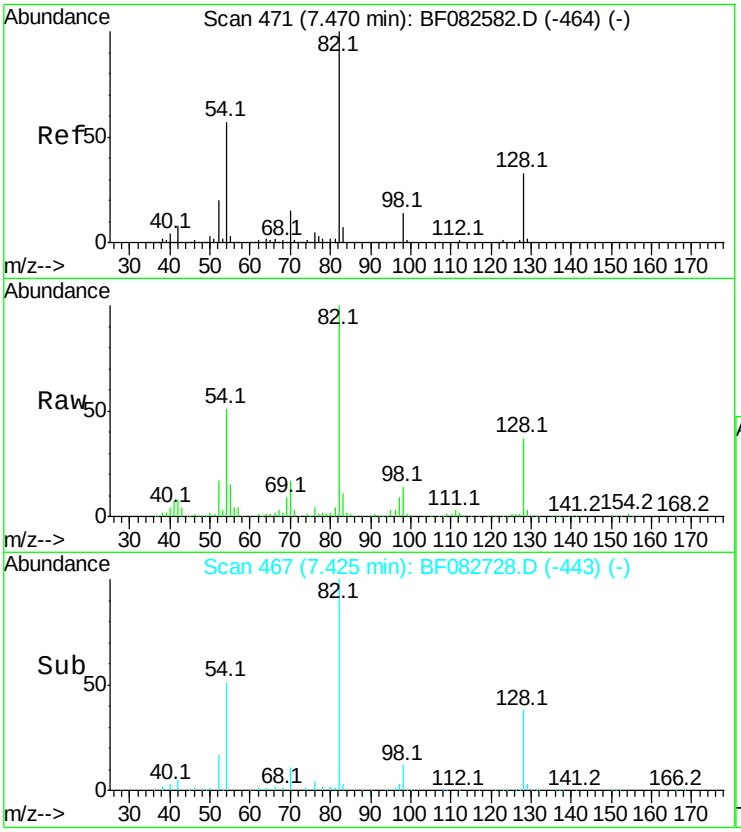


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:136 Resp: 582693

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.3	9.1	13.7#
68	5.6	4.8	7.2



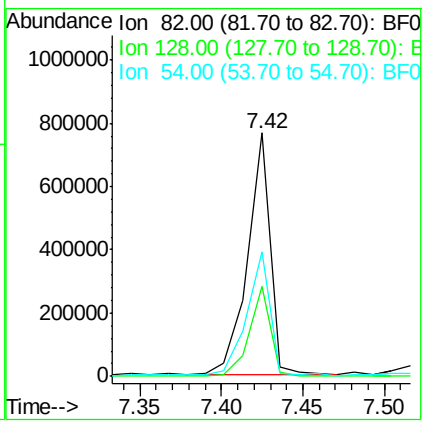


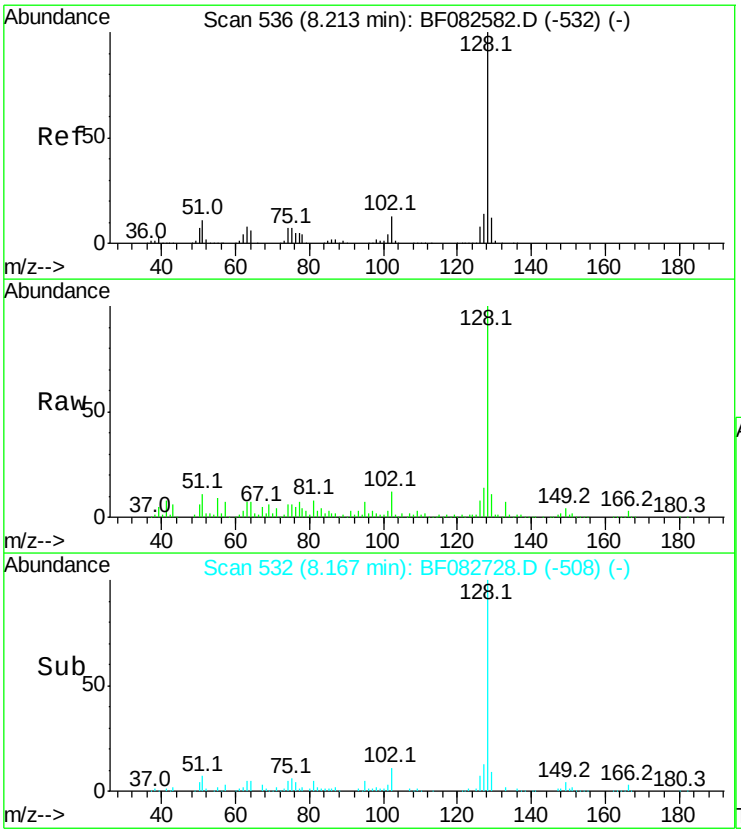
#23
Nitrobenzene-d5
Concen: 51.86 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion: 82 Resp: 739964

Ion	Ratio	Lower	Upper
82	100		
128	36.9	26.8	40.2
54	50.9	45.7	68.5

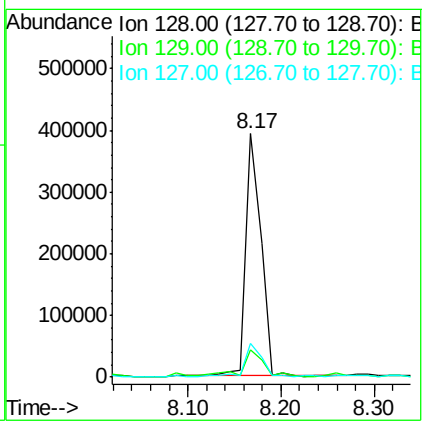


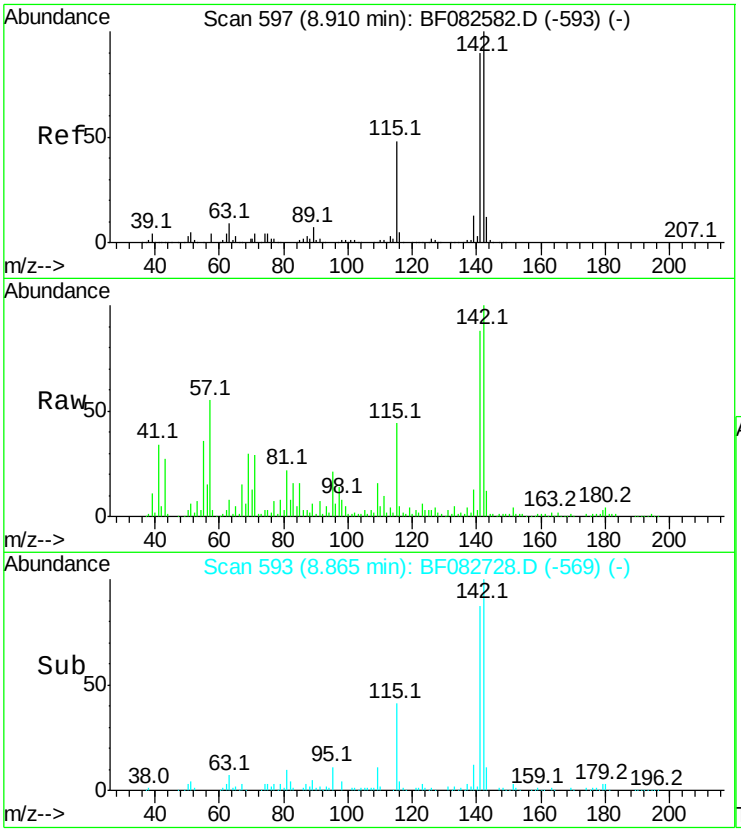


#31
Naphthalene
Concen: 13.93 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:128 Resp: 439224

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.5	14.3
127	13.6	11.4	17.0



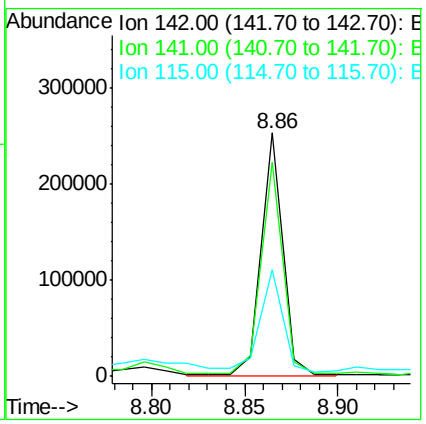


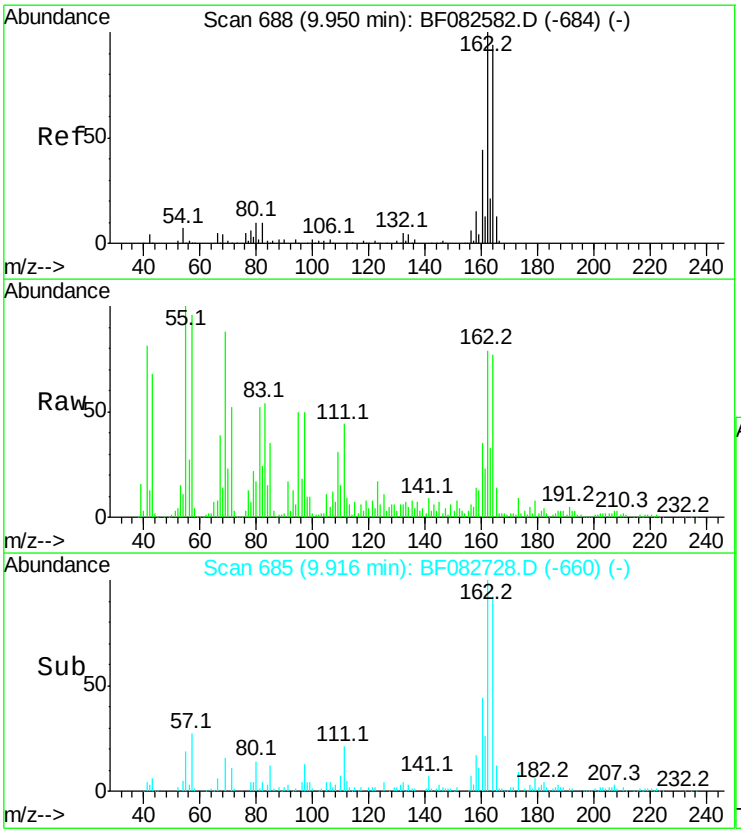
#37
2-Methylnaphthalene
Concen: 9.73 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:142 Resp: 198787

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.3	108.5
115	43.9	38.1	57.1

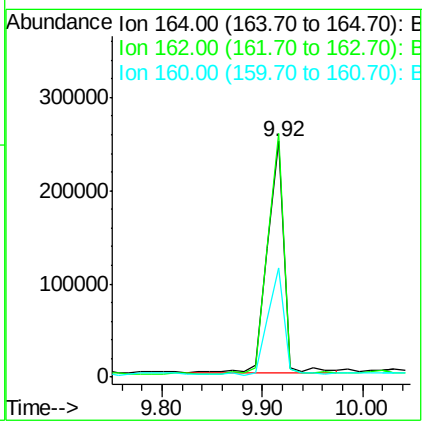


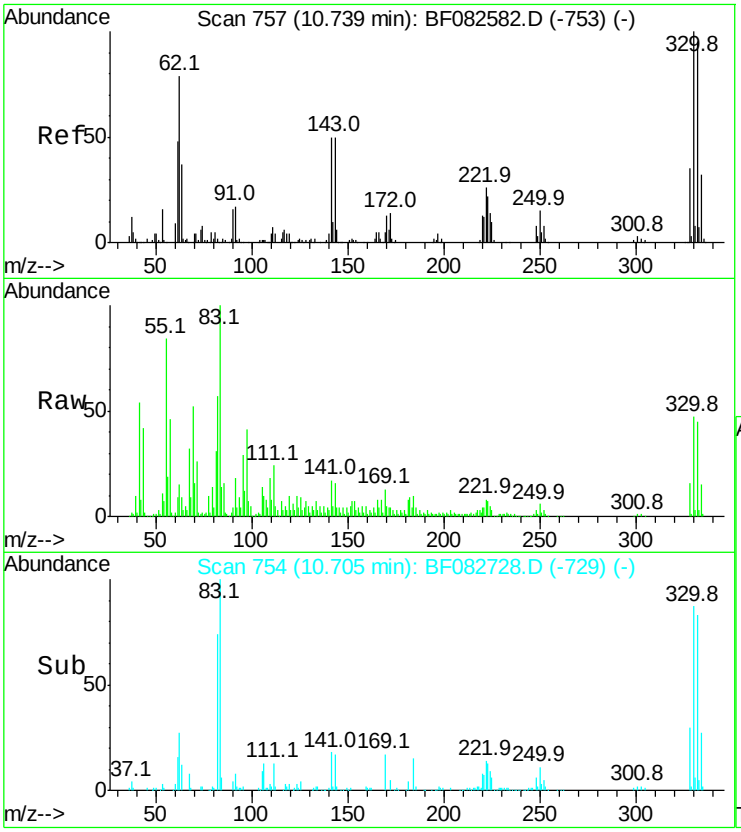


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:164 Resp: 281537

Ion	Ratio	Lower	Upper
164	100		
162	103.2	84.9	127.3
160	46.2	37.5	56.3



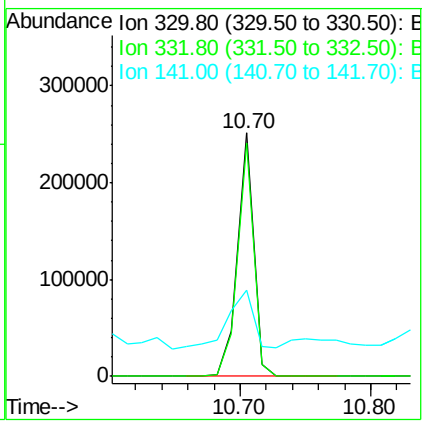


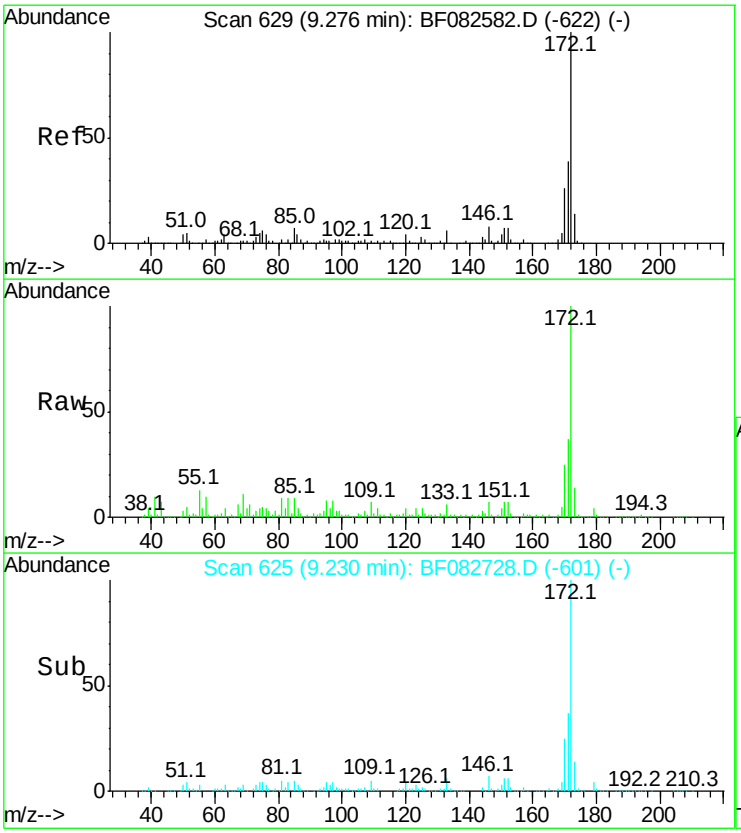
#41
2,4,6-Tribromophenol
Concen: 69.71 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:330 Resp: 214801

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	34.6	41.2	61.8#

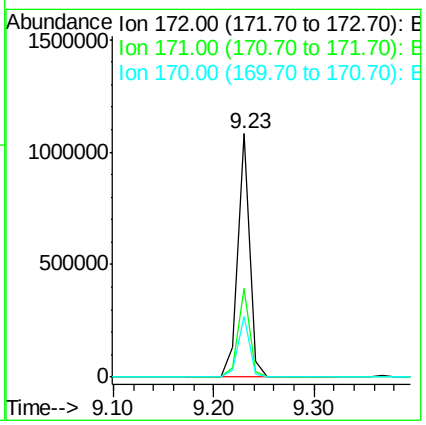


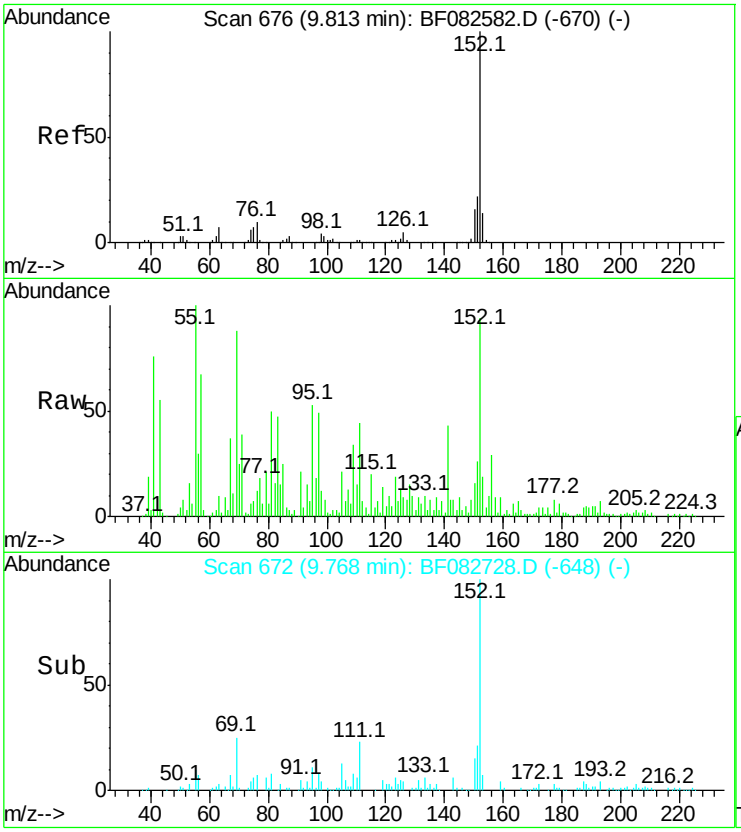


#44
2-Fluorobiphenyl
Concen: 44.88 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:172 Resp: 889926

Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.8	46.2
170	25.0	21.2	31.8



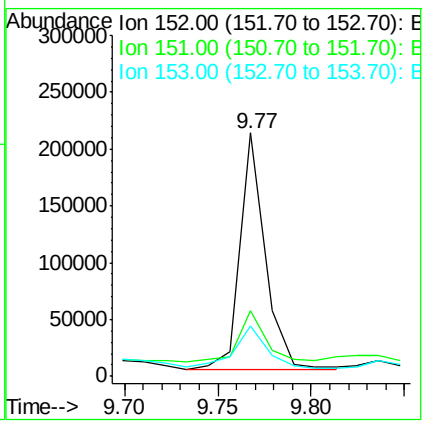


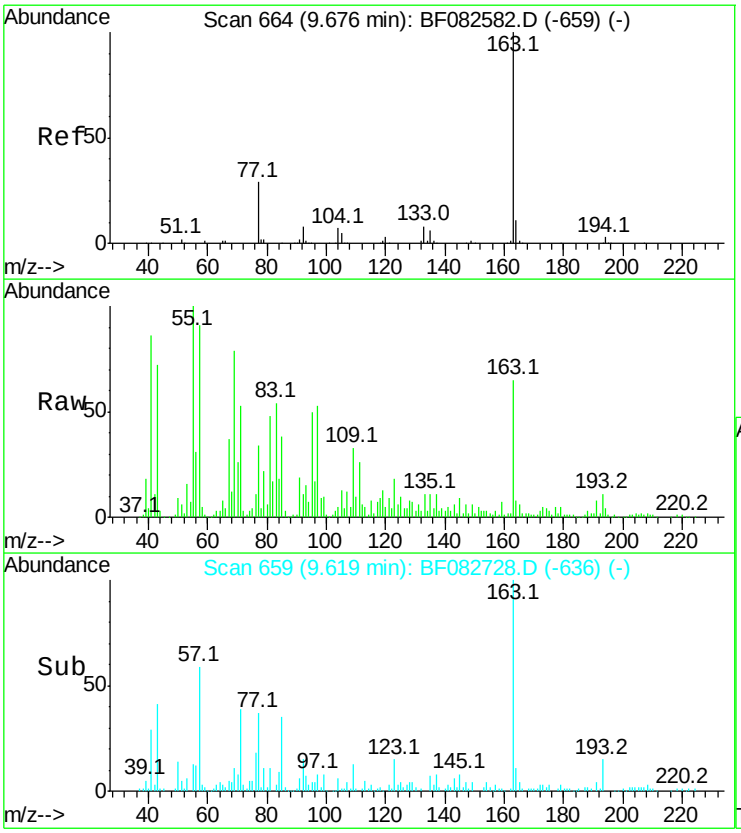
#48
Acenaphthylene
Concen: 6.63 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:152 Resp: 196897

Ion	Ratio	Lower	Upper
152	100		
151	27.1	17.3	25.9#
153	20.6	11.3	16.9#

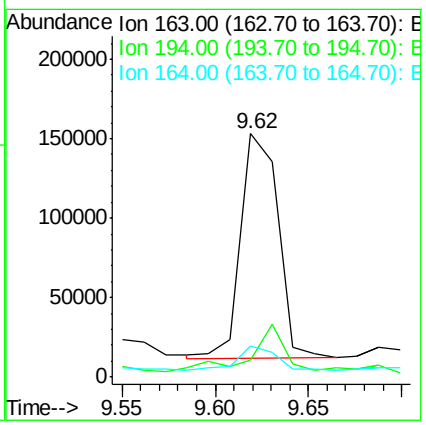


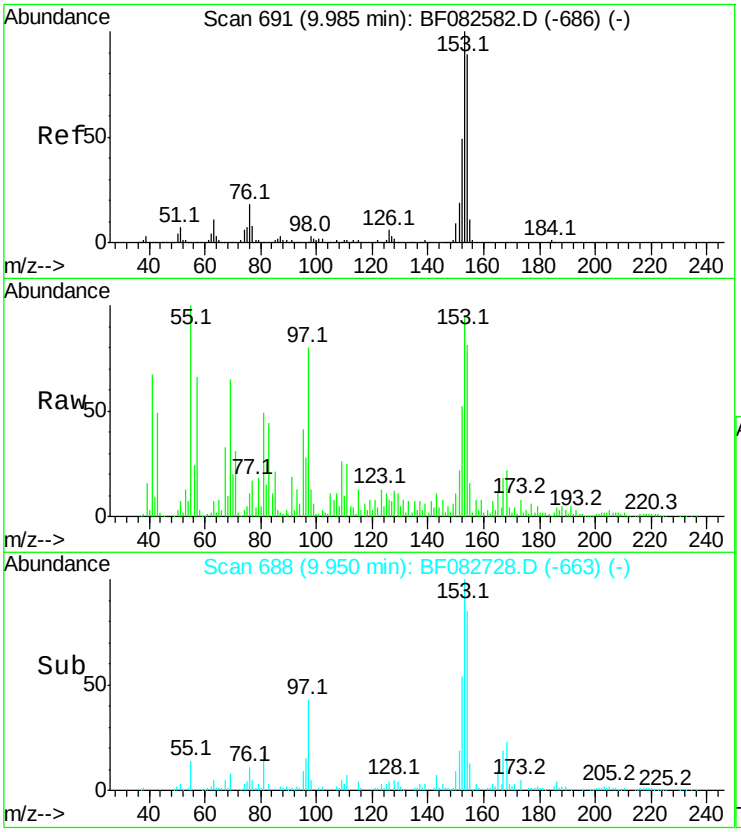


#49
Dimethylphthalate
Concen: 8.60 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.03 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:163 Resp: 197735

Ion	Ratio	Lower	Upper
163	100		
194	6.8	2.6	4.0#
164	12.7	8.7	13.1



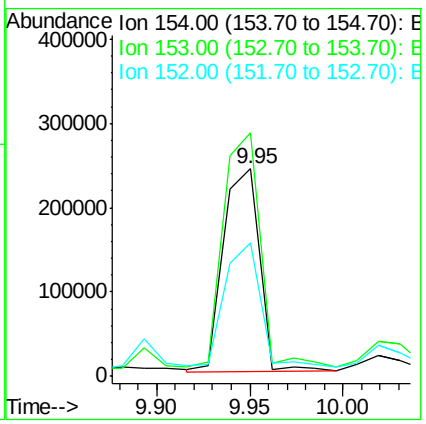


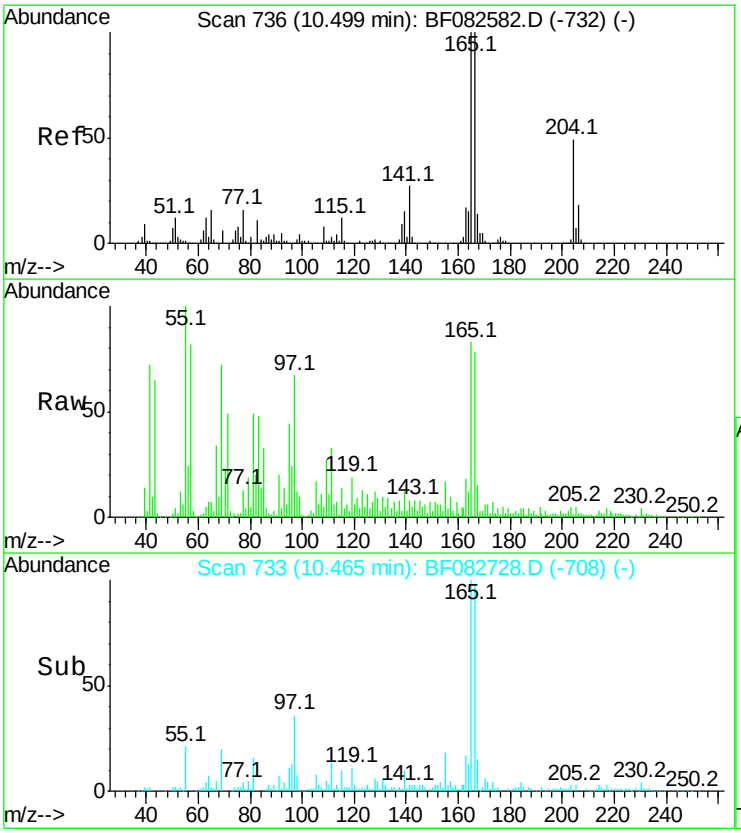
#51
Acenaphthene
Concen: 17.27 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:154 Resp: 325707

Ion	Ratio	Lower	Upper
154	100		
153	117.2	90.1	135.1
152	64.3	44.3	66.5

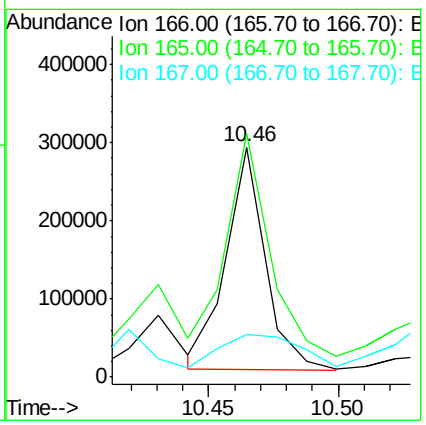


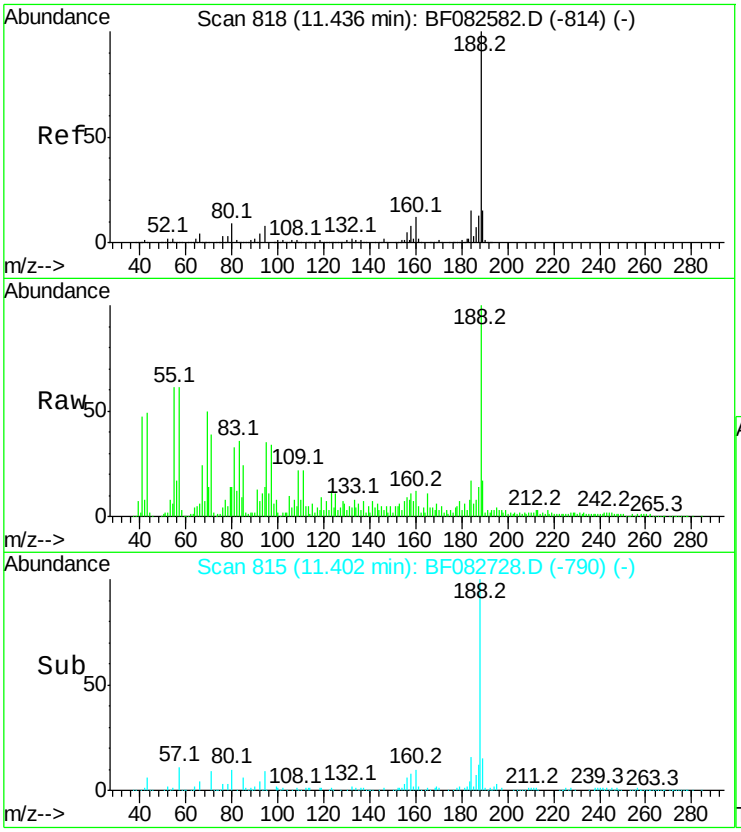


#57
Fluorene
Concen: 14.32 ng m
RT: 10.46 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:166 Resp: 295437

Ion	Ratio	Lower	Upper
166	100		
165	105.8	80.2	120.4
167	18.8	11.2	16.8#



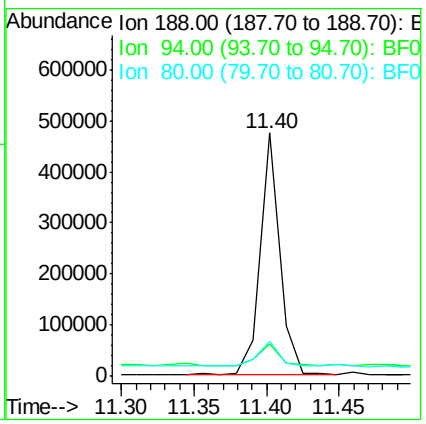


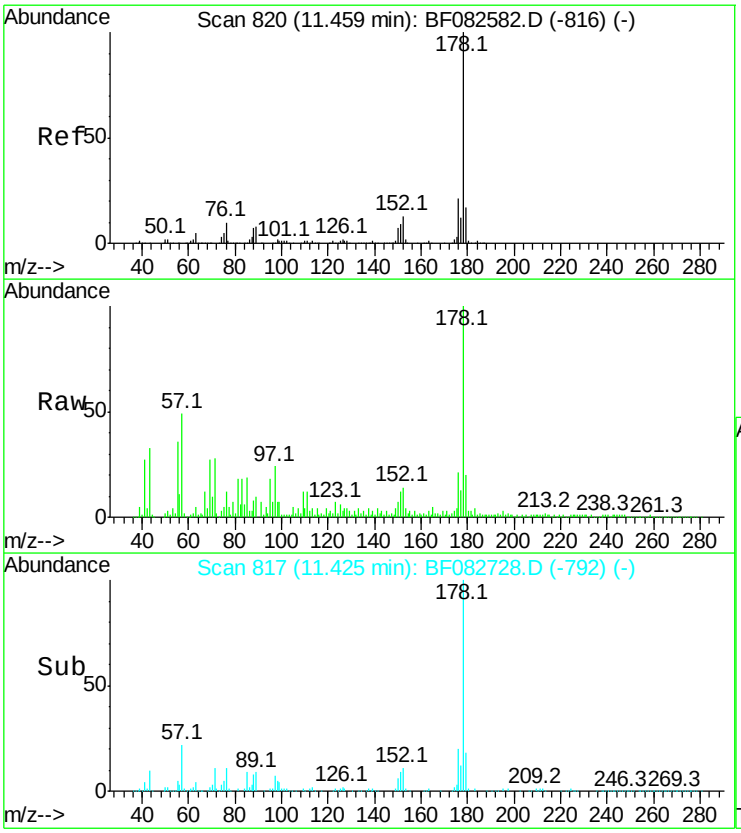
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:188 Resp: 439125

Ion	Ratio	Lower	Upper
188	100		
94	13.5	6.1	9.1#
80	14.2	7.0	10.6#

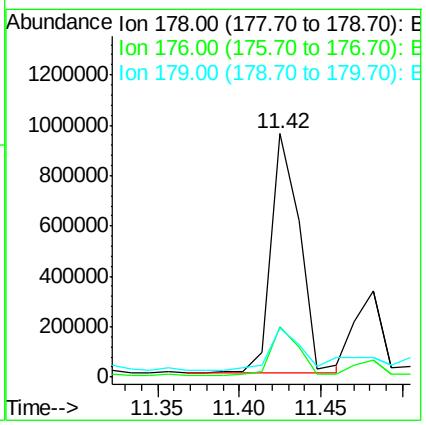


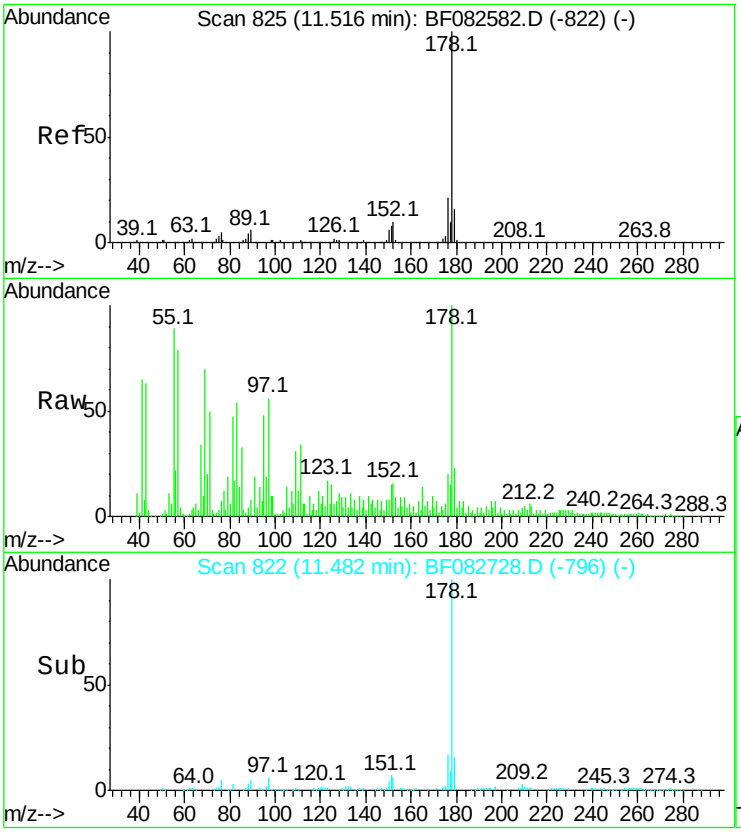


#70
Phenanthrene
Concen: 47.06 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:178 Resp: 1165514

Ion	Ratio	Lower	Upper
178	100		
176	20.6	17.0	25.4
179	20.2	13.4	20.0#

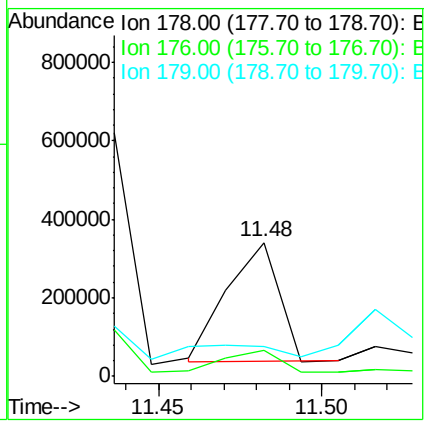




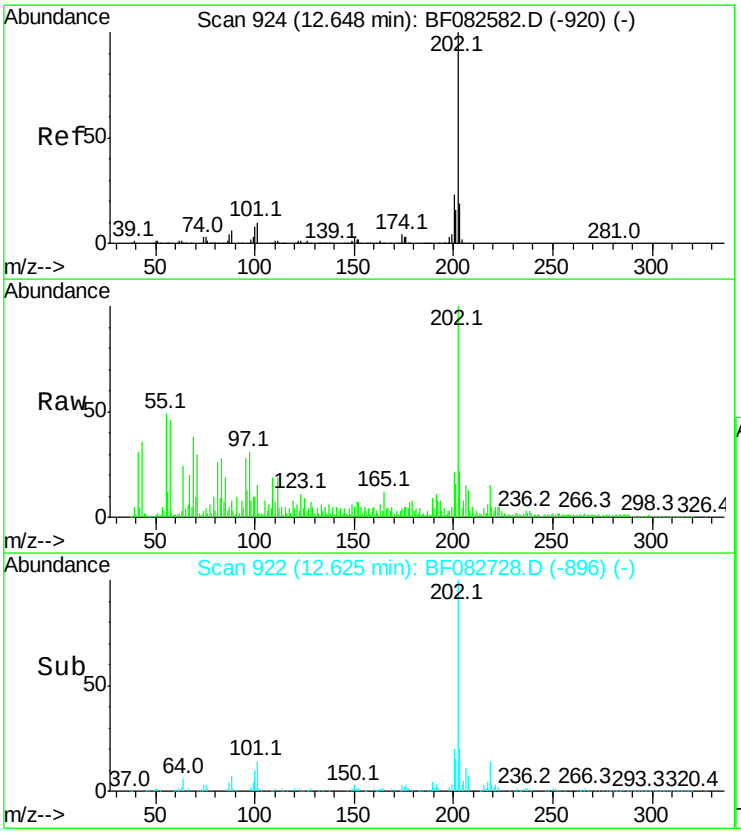
#71
Anthracene
Concen: 13.32 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:178 Resp: 332048

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.5	24.7
179	22.7	13.2	19.8#



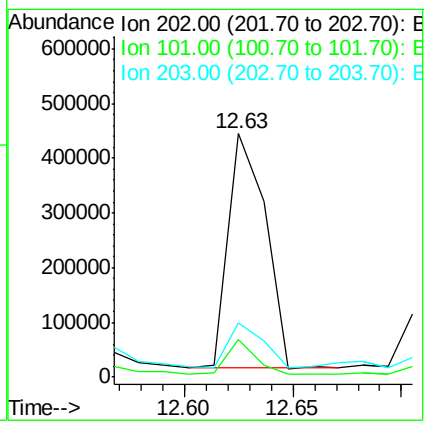
Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

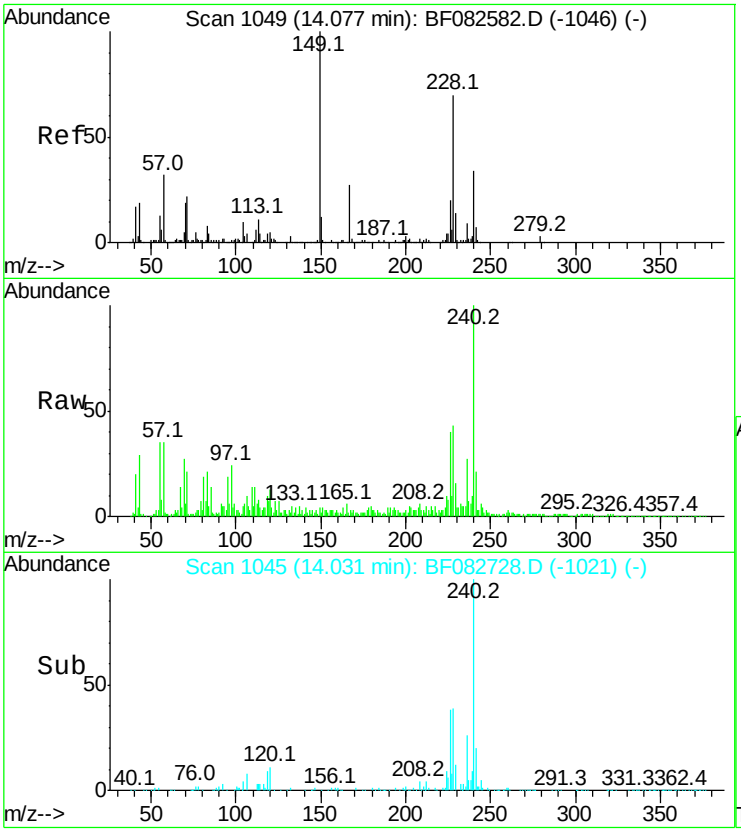


#74
Fluoranthene
Concen: 20.24 ng
RT: 12.63 min Scan# 922
Delta R.T. 0.00 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:202 Resp: 512413

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	30.5
203	22.2	0.0	38.5



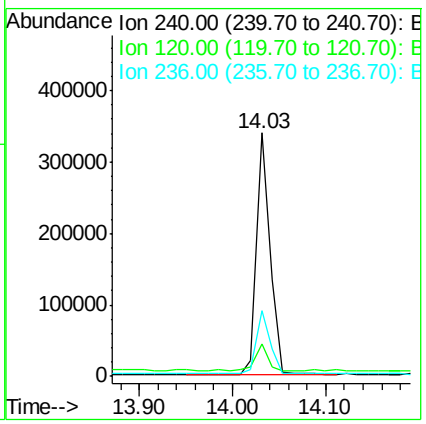


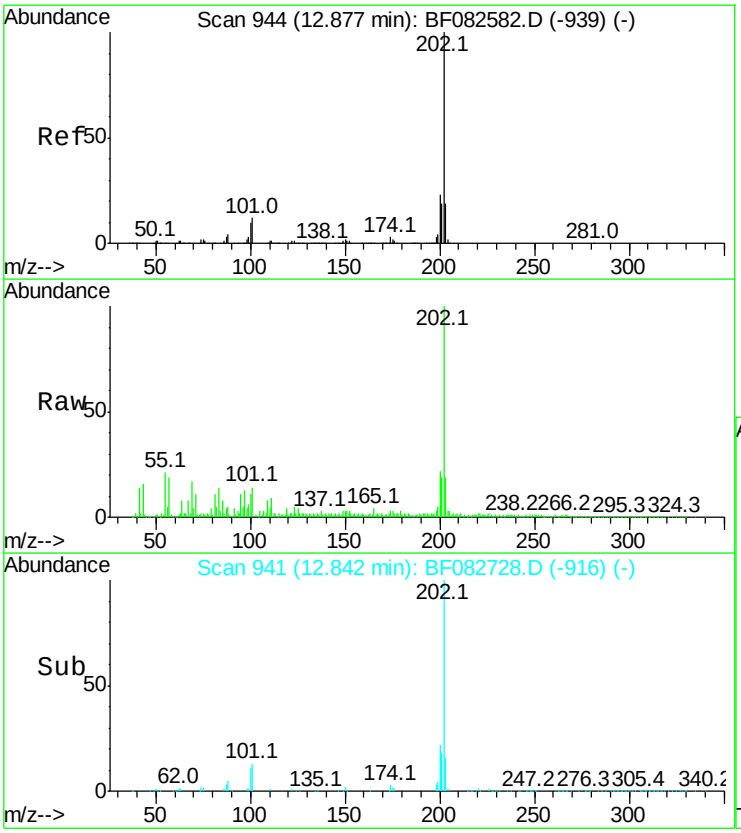
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:240 Resp: 344971

Ion	Ratio	Lower	Upper
240	100		
120	13.3	10.9	16.3
236	27.2	21.6	32.4

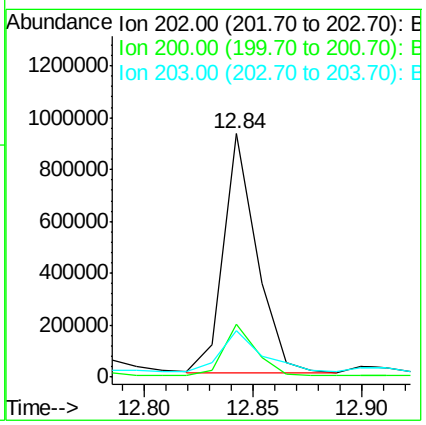


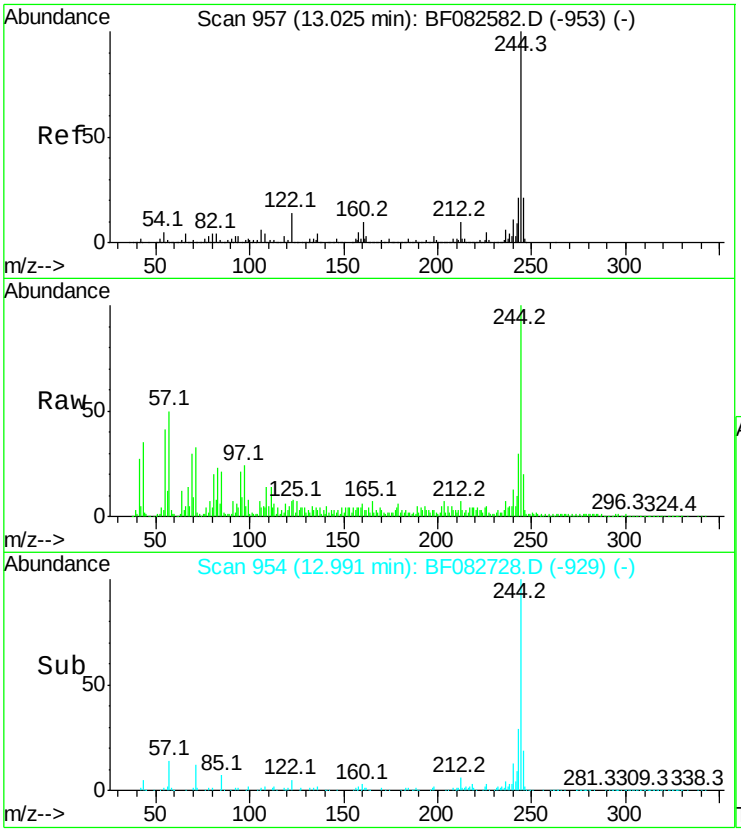


#77
Pyrene
Concen: 38.16 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:202 Resp: 974805

Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.7	28.1
203	19.2	14.8	22.2



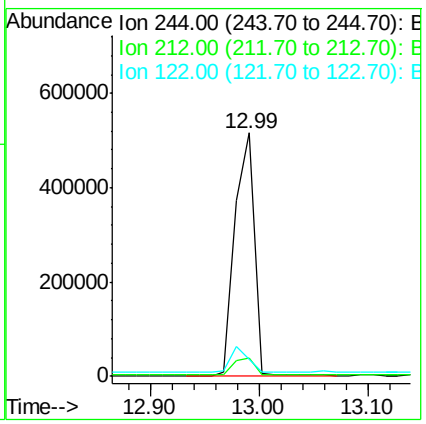


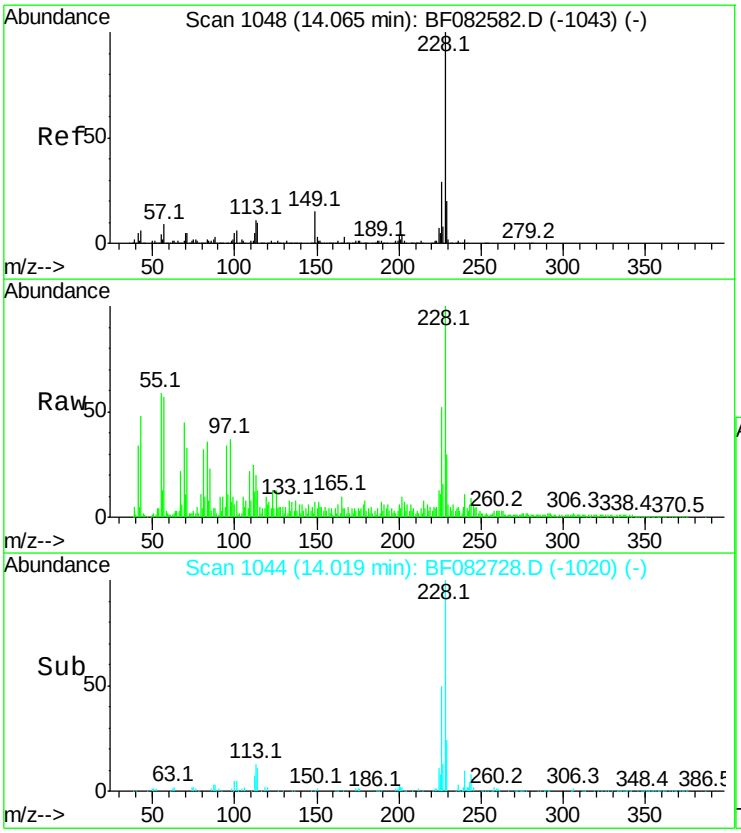
#78
Terphenyl-d14
Concen: 39.33 ng
RT: 12.99 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:244 Resp: 620011

Ion	Ratio	Lower	Upper
244	100		
212	7.3	7.6	11.4#
122	7.0	11.3	16.9#

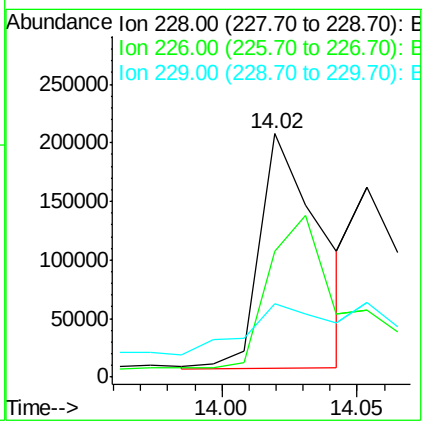


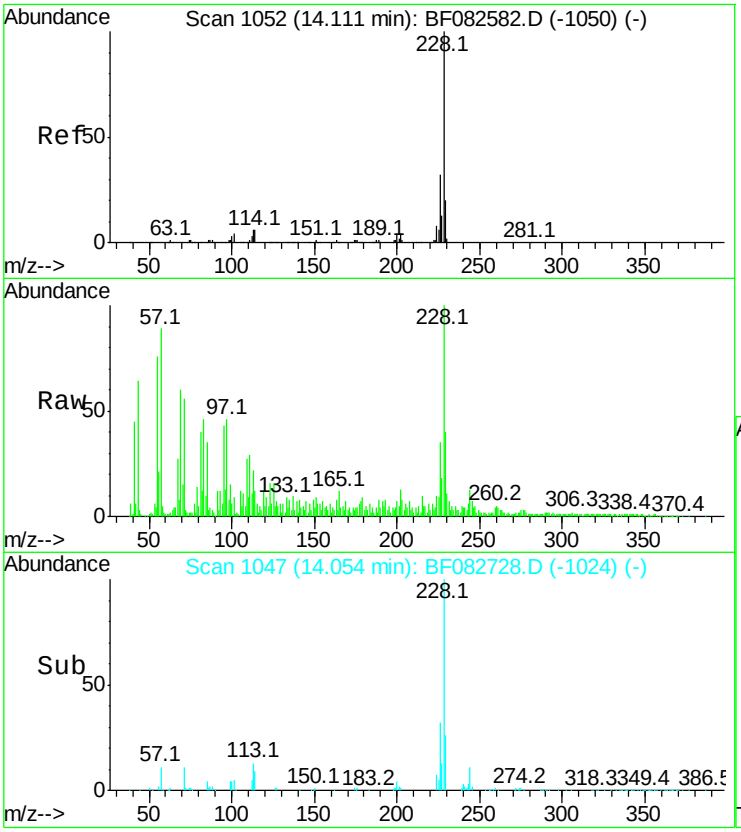


#80
Benzo(a)anthracene
Concen: 14.41 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:228 Resp: 315811

Ion	Ratio	Lower	Upper
228	100		
226	51.5	23.4	35.2#
229	30.3	16.3	24.5#



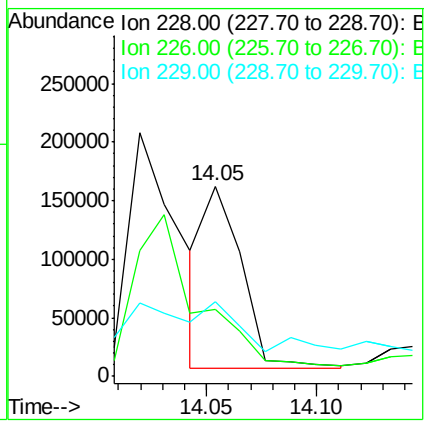


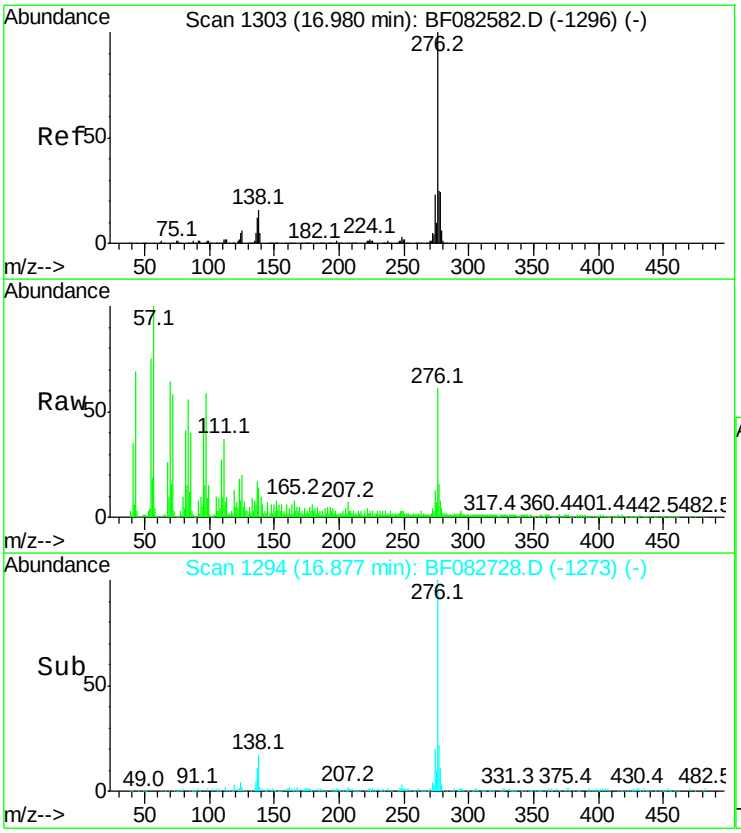
#82
Chrysene
Concen: 9.36 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.03 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:228 Resp: 185850

Ion	Ratio	Lower	Upper
228	100		
226	35.3	25.5	38.3
229	39.5	16.3	24.5#

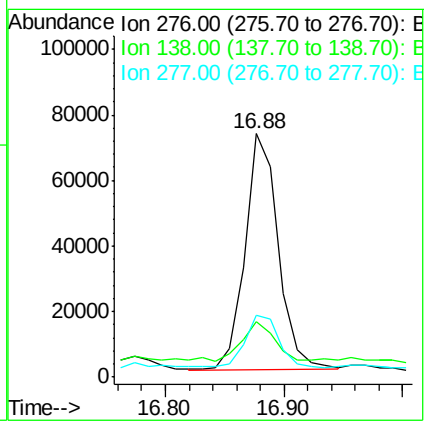


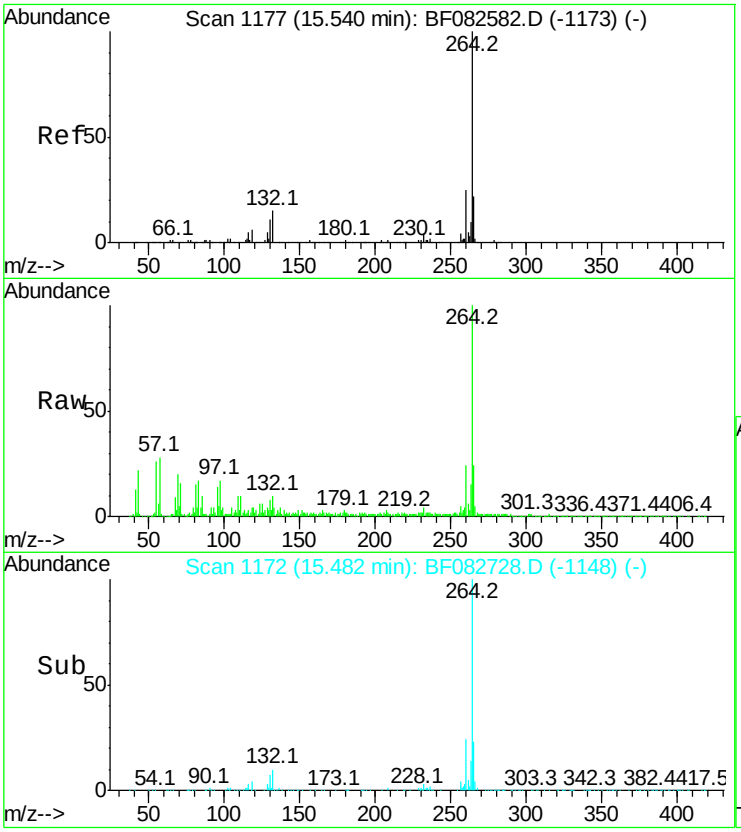


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.59 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.06 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:276 Resp: 140835

Ion	Ratio	Lower	Upper
276	100		
138	17.4	15.3	22.9
277	23.6	20.2	30.4



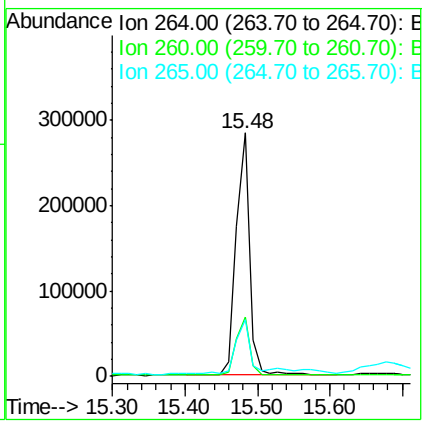


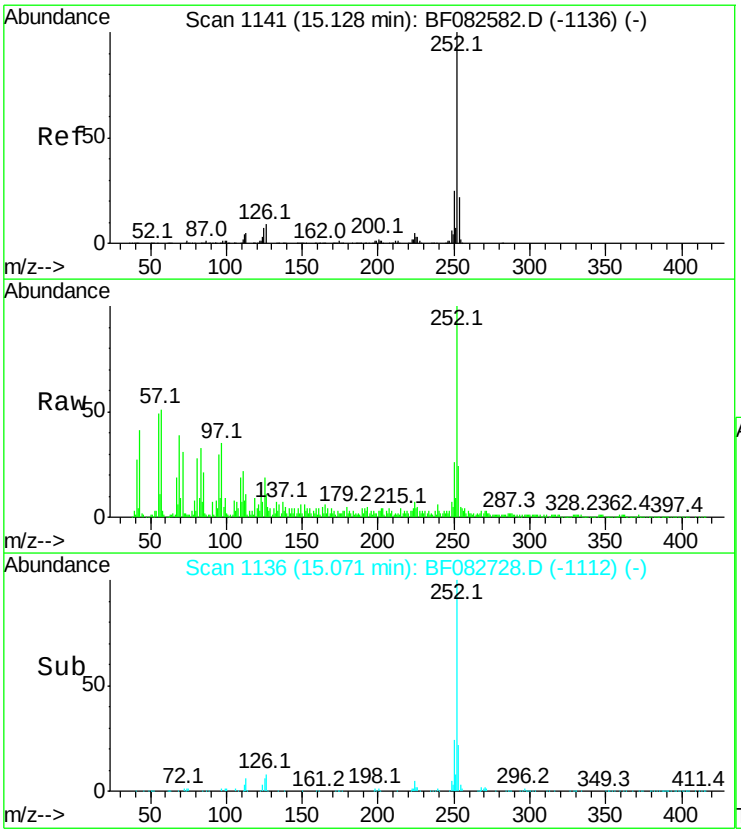
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:264 Resp: 368582

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	23.6	17.4	26.0

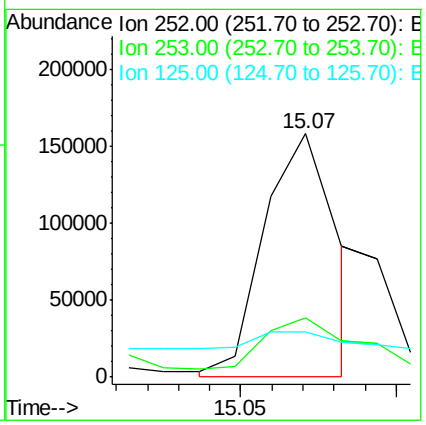


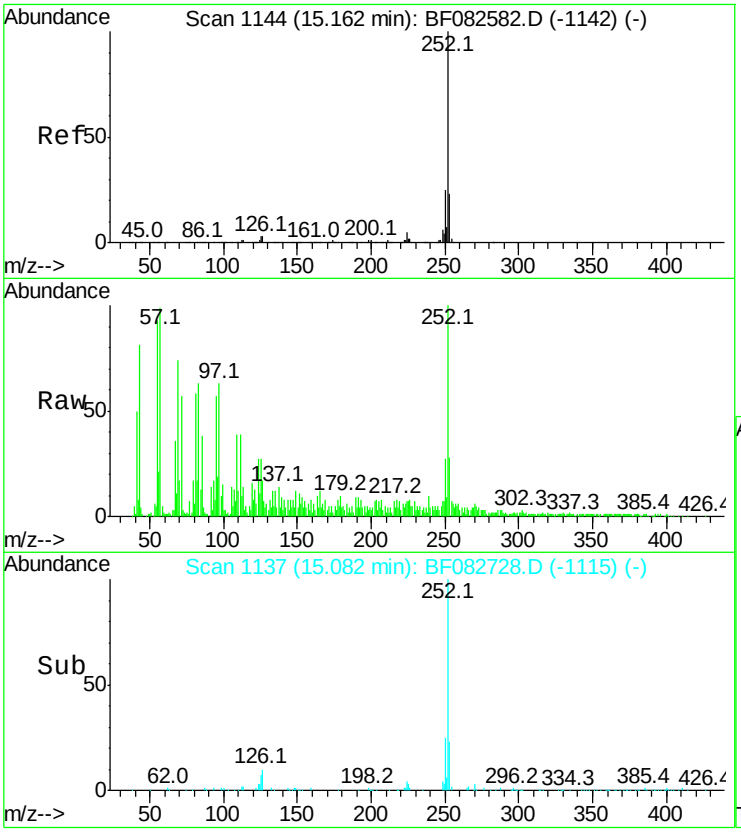


#87
Benzo(b)fluoranthene
Concen: 10.09 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:252 Resp: 256499

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	18.6	5.4	8.2#



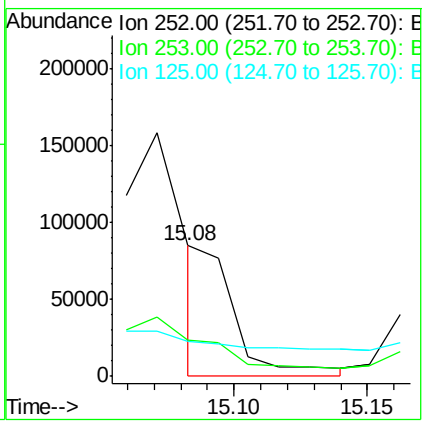


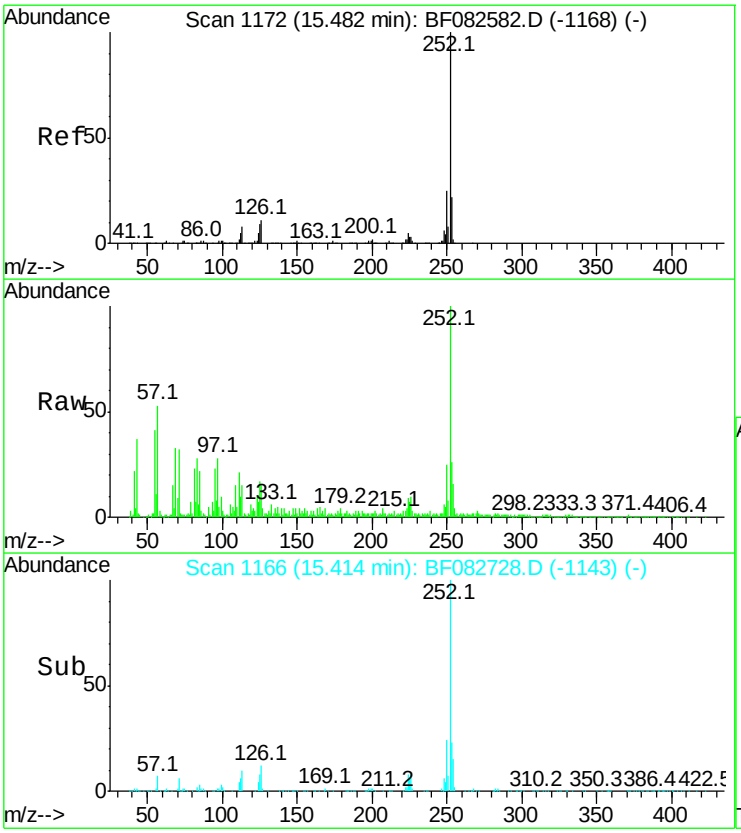
#88
Benzo(k)fluoranthene
Concen: 3.77 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:252 Resp: 73015

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	27.2	3.5	5.3#

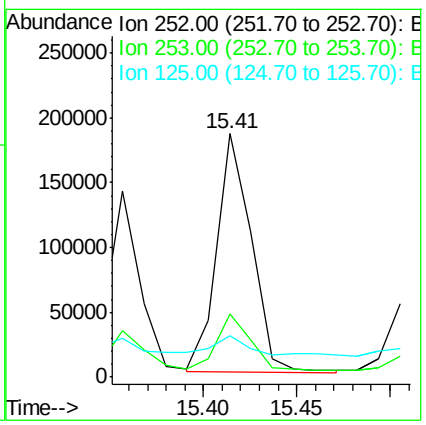


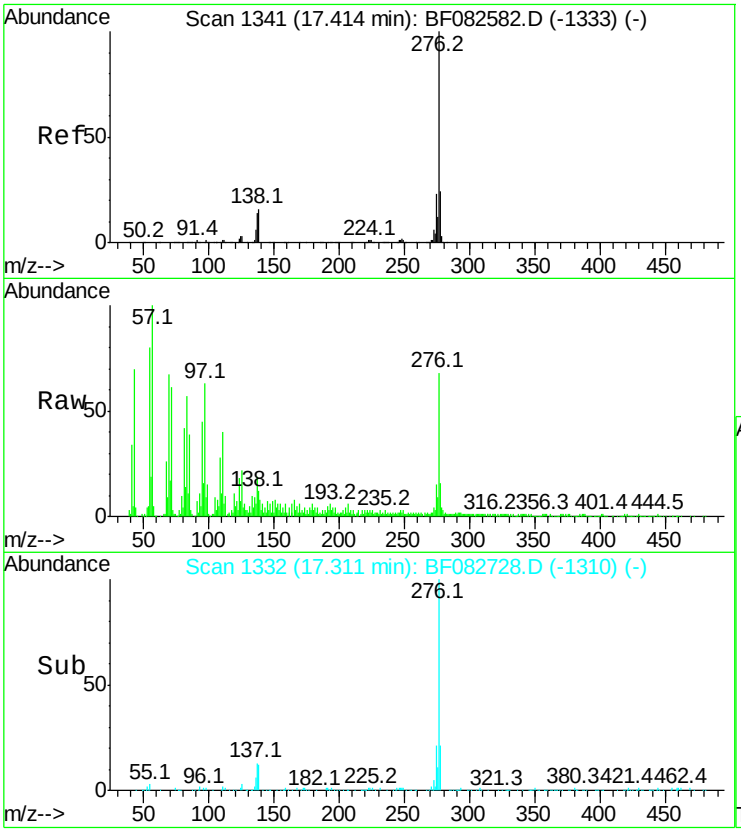


#89
Benzo(a)pyrene
Concen: 11.98 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:252 Resp: 239746

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.3	25.9
125	16.9	7.1	10.7#





#91
Benzo(g,h,i)perylene
Concen: 9.49 ng
RT: 17.31 min Scan# 1332
Delta R.T. -0.05 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tgt Ion:276 Resp: 171689

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	17.9	13.1	19.7