Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\

Quantitation Report (Not Reviewed)

Data File : BF093233.D
Acq On : 28 Feb 2017 4:27
Operator : SJ/MA
Sample : I1972-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2HH8.5-BASE

Quant Time: Feb 28 05:03:29 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	165831	20.00	ng		0.00
21) Naphthalene-d8	8.11	136	623875	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	278937	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	455722	20.00	ng		0.00
75) Chrysene-d12	13.99	240	342062	20.00	ng		0.00
86) Perylene-d12	15.41	264	275893	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	235897	24.40	ng		0.00
7) Phenol-d6	6.46	99	295330	23.75	ng		-0.01
23) Nitrobenzene-d5	7.39	82	161360	14.40	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	43382	21.50	ng		-0.01
44) 2-Fluorobiphenyl	9.18	172	298768	19.40	ng		0.00
78) Terphenyl-d14	12.92	244	206231	14.17	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	20062	2.53	ng	#	81
32) Benzoic acid	7.90	122	1125	7.34	ng	#	56
50) 2,6-Dinitrotoluene	9.86	165	35953	8.86	ng	#	31
55) 4-Nitrophenol	10.06	139	8133	2.43	ng	#	6
56) 2,4-Dinitrotoluene	9.86	165	36223	6.71	ng	#	20
70) Phenanthrene	11.37	178	328551	12.58	ng		98
71) Anthracene	11.41	178	90002	3.43	ng		96
74) Fluoranthene	12.56	202	390153	14.49	ng		98
77) Pyrene	12.78	202	362475	14.16	ng		98
80) Benzo(a)anthracene	13.97	228	200810	9.60	ng		97
82) Chrysene	14.01	228	135412	6.91	ng		97
85) Indeno(1,2,3-cd)pyrene	16.81	276	65761	4.33	ng		97
87) Benzo(b)fluoranthene	15.00	252	233049	12.83	ng	#	96
88) Benzo(k)fluoranthene	15.00	252	233049	14.86	ng	#	95
89) Benzo(a)pyrene	15.36	252	125256	7.97	ng		98
91) Benzo(g,h,i)perylene	17.23	276	68807	5.37	ng	#	90

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\

Quantitation Report (Not Reviewed)

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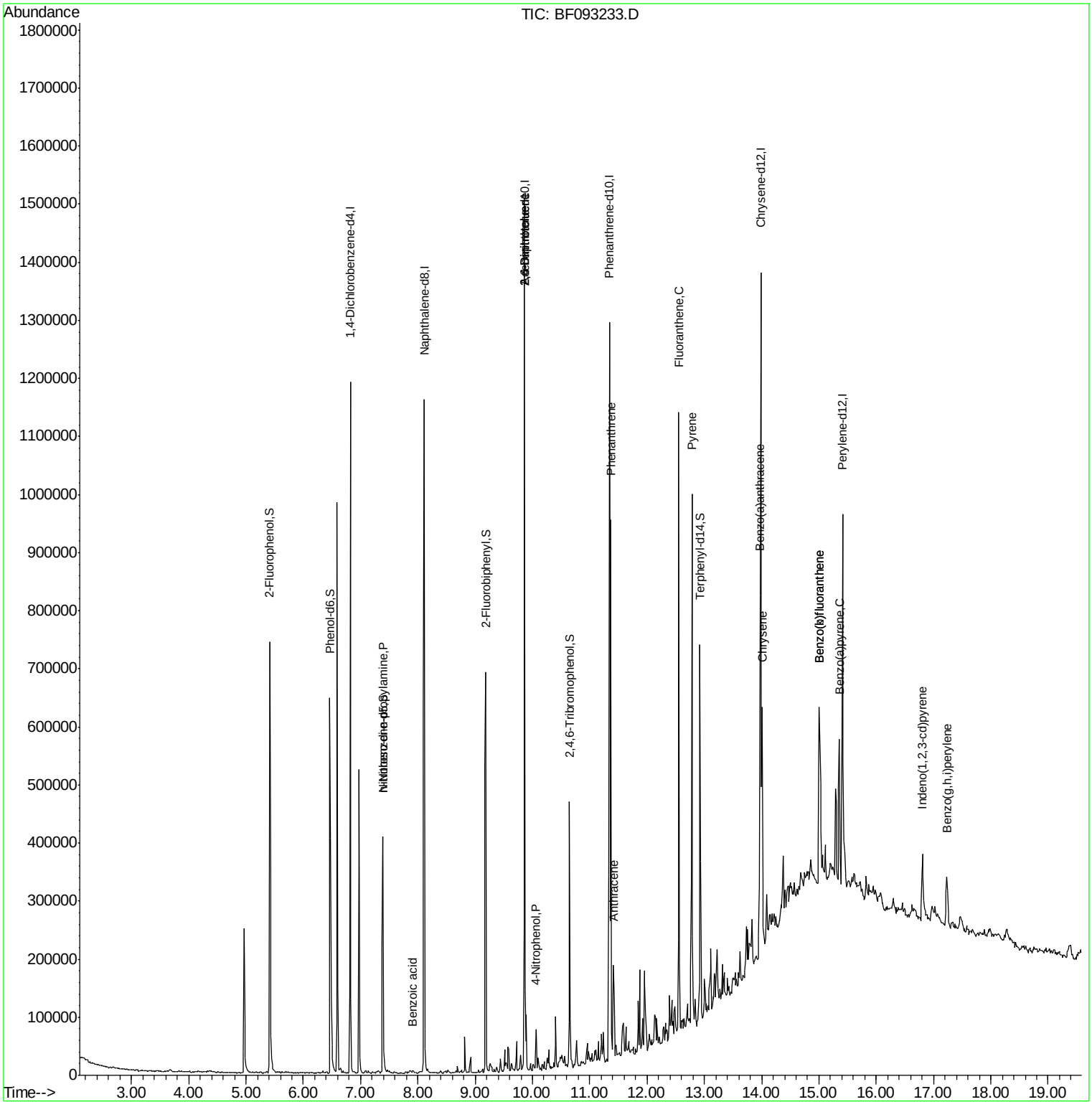
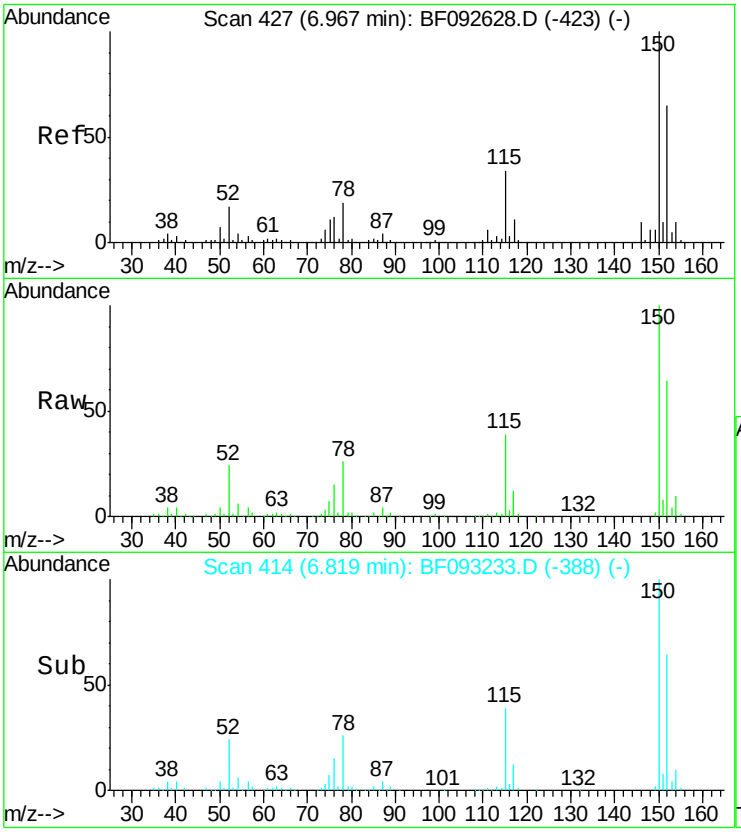


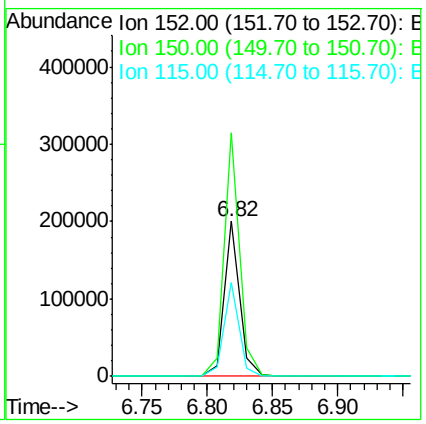


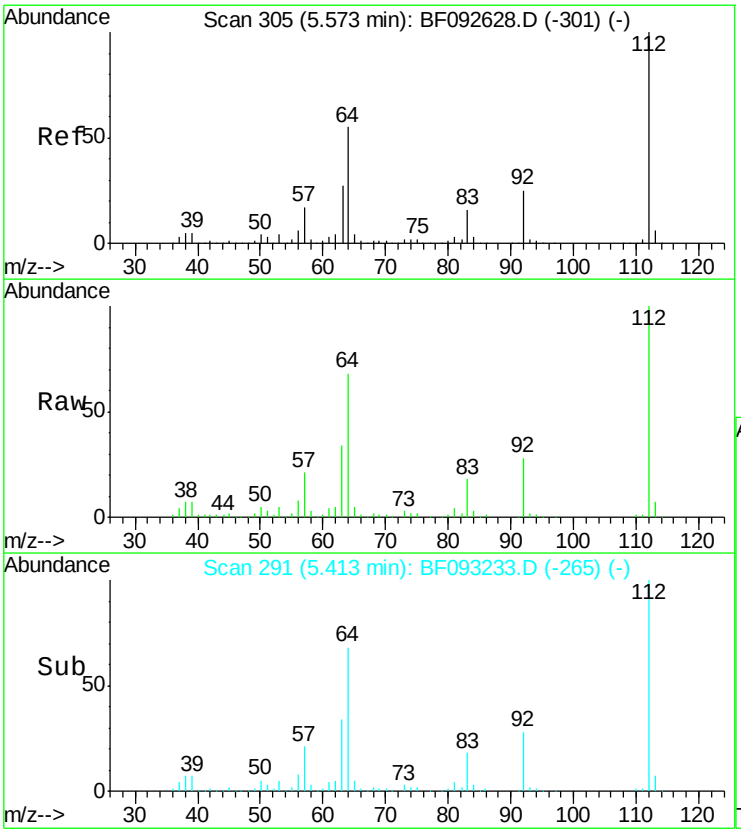
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:152 Resp: 165831

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	60.6	46.0	69.0

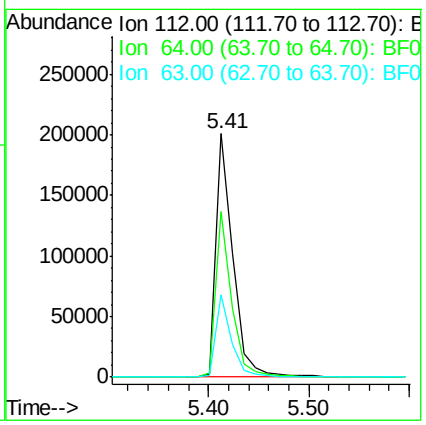


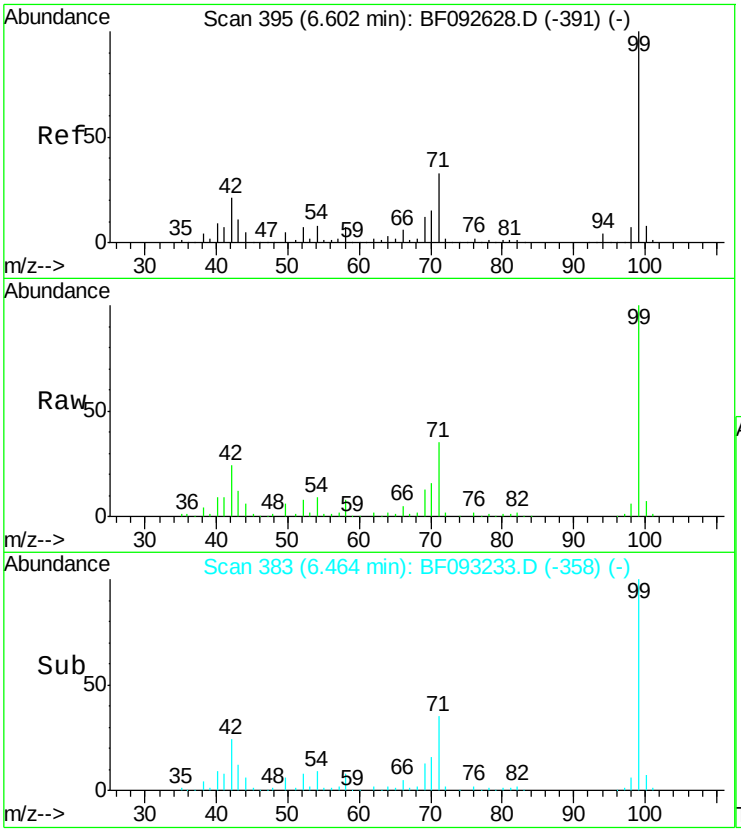


#5
2-Fluorophenol
Concen: 24.40 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:112 Resp: 235897

Ion	Ratio	Lower	Upper
112	100		
64	67.8	46.1	69.1
63	33.7	23.8	35.6



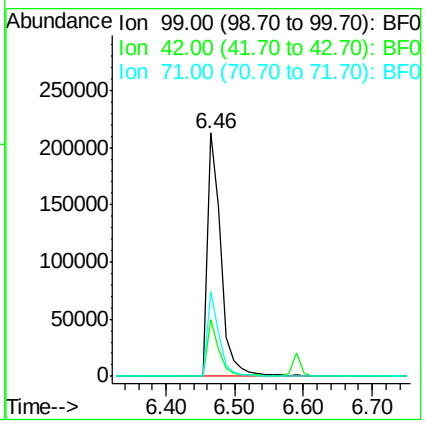


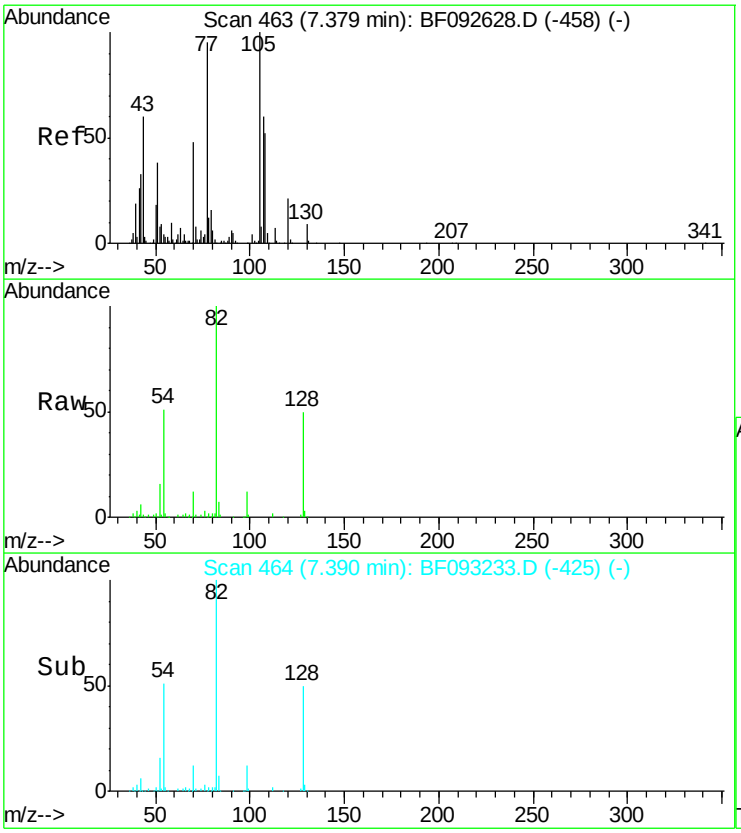
#7
Phenol-d6
Concen: 23.75 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion: 99 Resp: 295330

Ion	Ratio	Lower	Upper
99	100		
42	23.5	15.6	23.4#
71	35.1	27.5	41.3

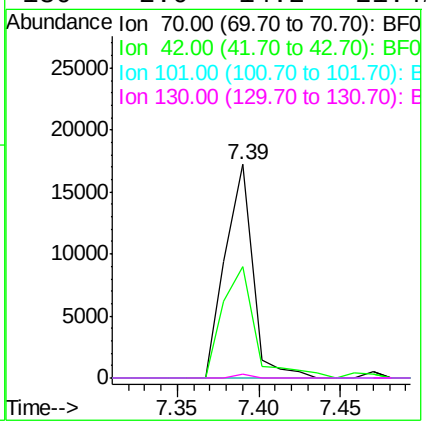


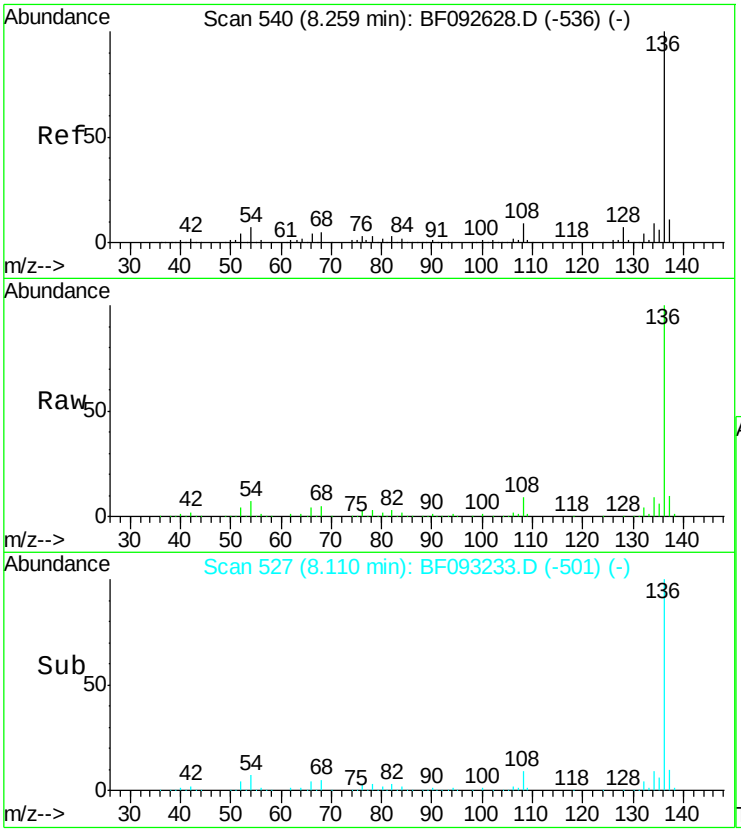


#19
n-Nitroso-di-n-propylamine
Concen: 2.53 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.15 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion: 70 Resp: 20062

Ion	Ratio	Lower	Upper
70	100		
42	52.0	49.4	74.0
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#



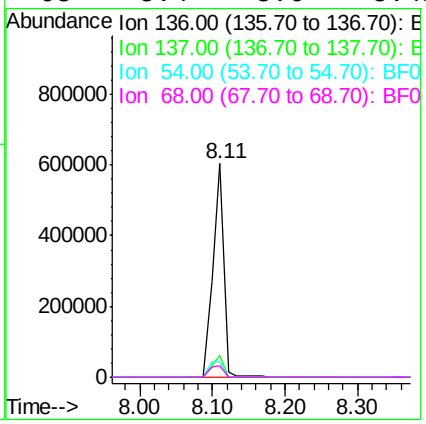


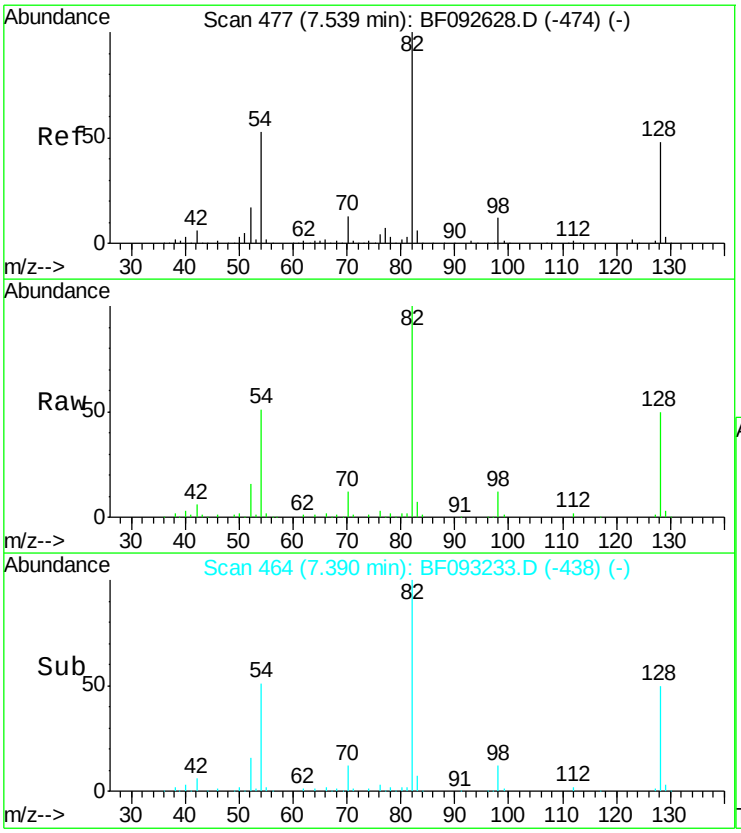
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:136 Resp: 623875

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.3	4.5	6.7#
68	5.4	3.6	5.4#

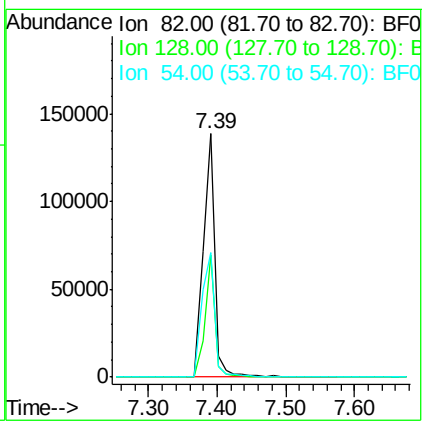


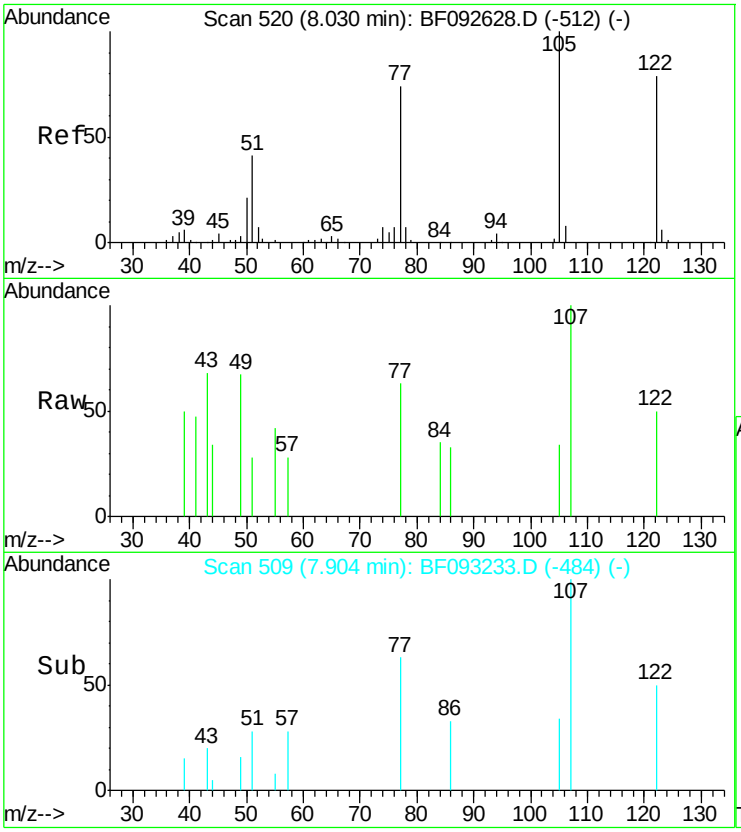


#23
Nitrobenzene-d5
Concen: 14.40 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion: 82 Resp: 161360

Ion	Ratio	Lower	Upper
82	100		
128	49.9	34.6	52.0
54	51.1	39.5	59.3



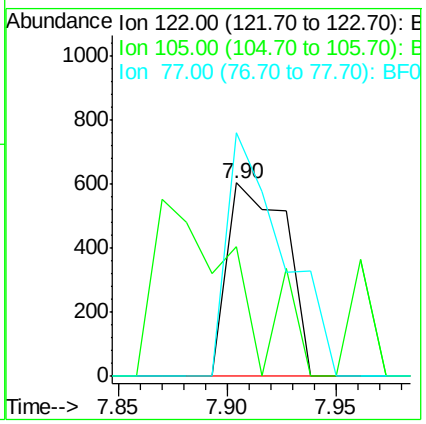


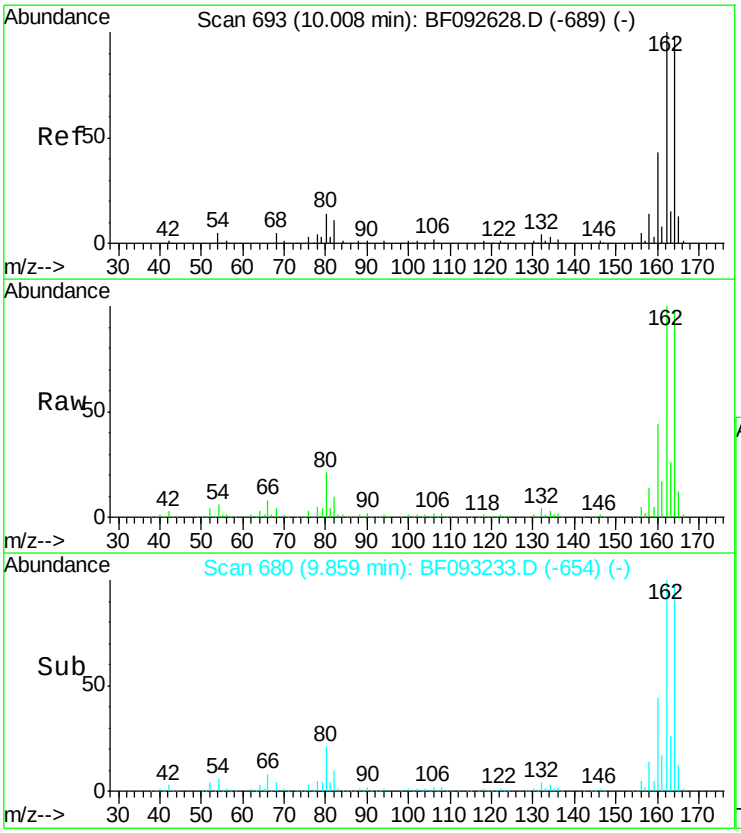
#32
Benzoic acid
Concen: 7.34 ng
RT: 7.90 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:122 Resp: 1125

Ion	Ratio	Lower	Upper
122	100		
105	67.4	107.2	147.2#
77	126.1	74.5	114.5#

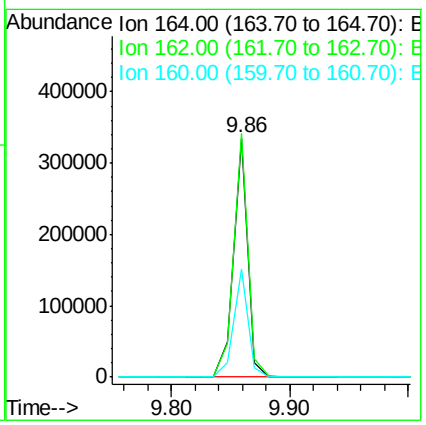


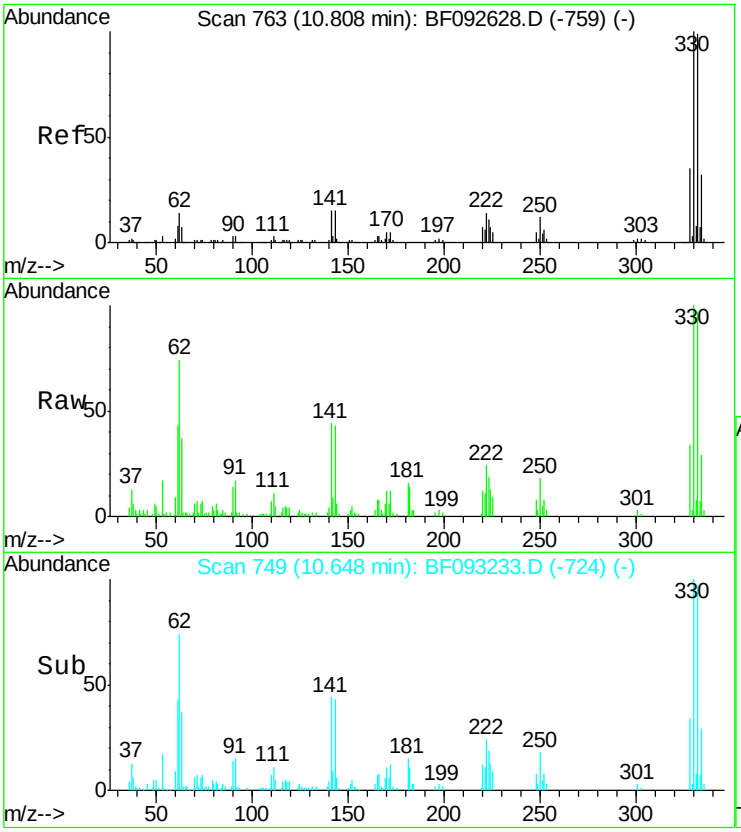


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:164 Resp: 278937

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.2
160	45.3	36.9	55.3



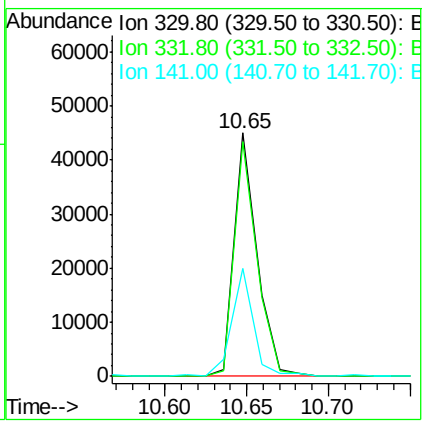


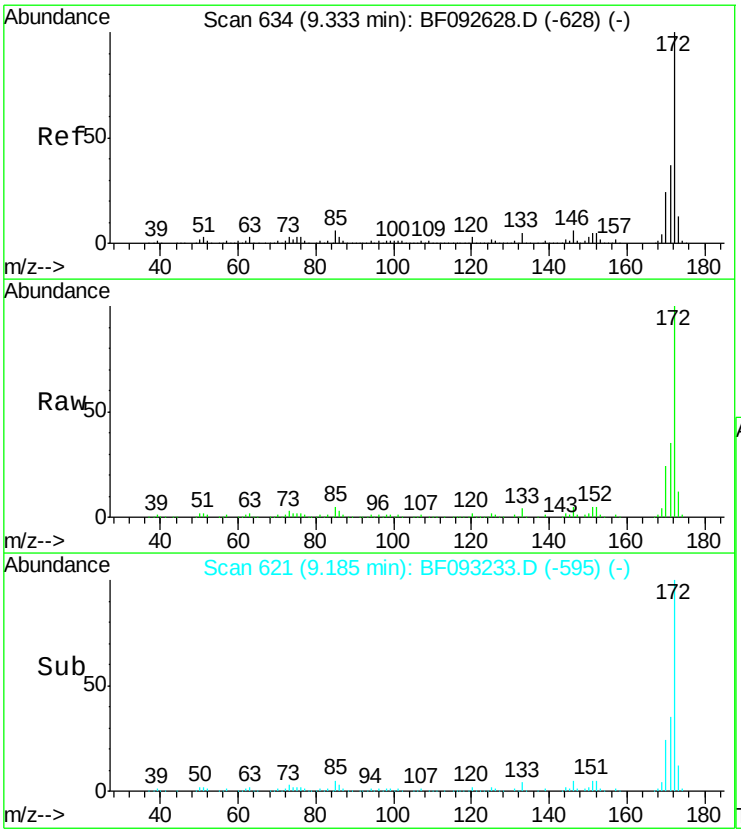
#41
2,4,6-Tribromophenol
Concen: 21.50 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:330 Resp: 43382

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	42.4	34.1	51.1

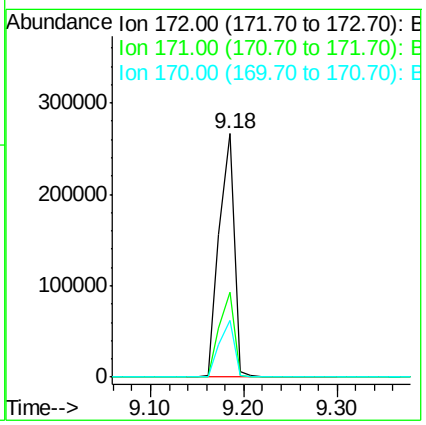


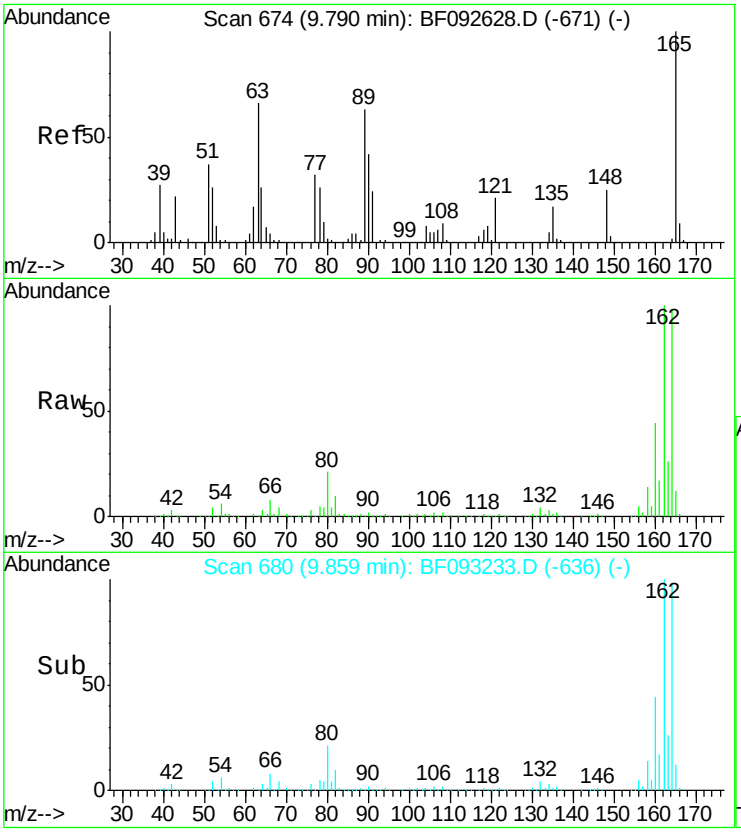


#44
2-Fluorobiphenyl
Concen: 19.40 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:172 Resp: 298768

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.4	44.0
170	23.5	20.2	30.4



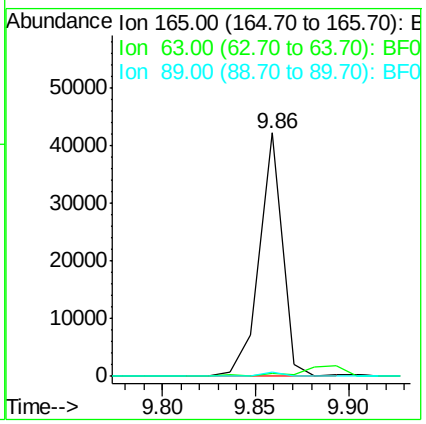


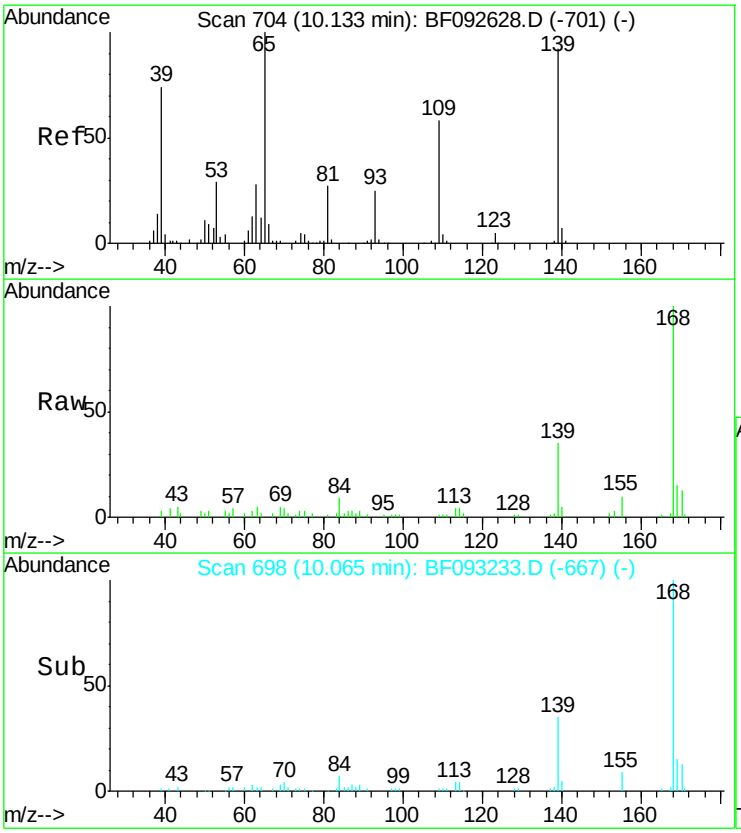
#50
2,6-Dinitrotoluene
Concen: 8.86 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.21 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:165 Resp: 35953

Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.2	54.4#
89	1.6	40.2	60.4#

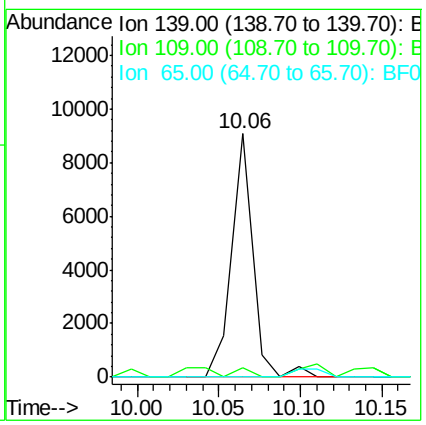


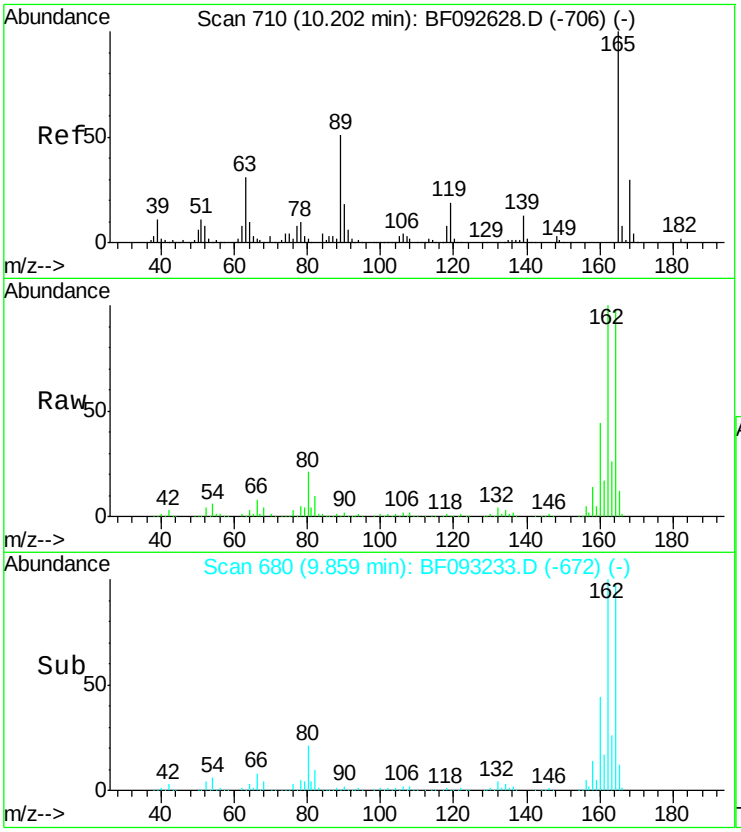


#55
4-Nitrophenol
Concen: 2.43 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.06 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:139 Resp: 8133

Ion	Ratio	Lower	Upper
139	100		
109	4.0	52.2	92.2#
65	0.0	85.8	125.8#



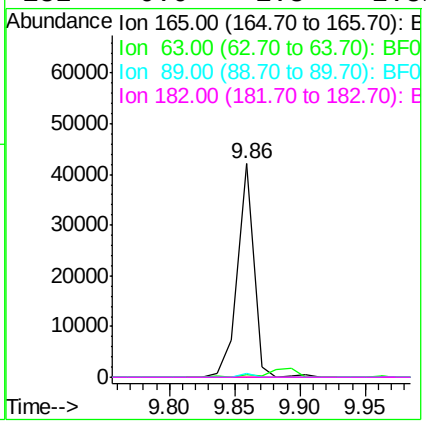


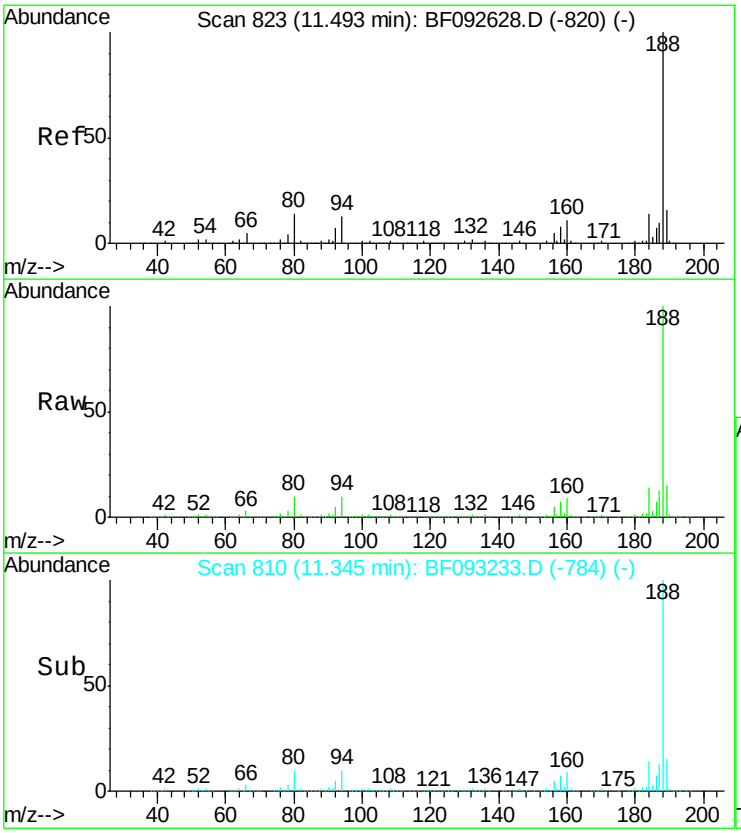
#56
2,4-Dinitrotoluene
Concen: 6.71 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.21 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:165 Resp: 36223

Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.6	62.5	93.7#
182	0.0	1.8	2.8#

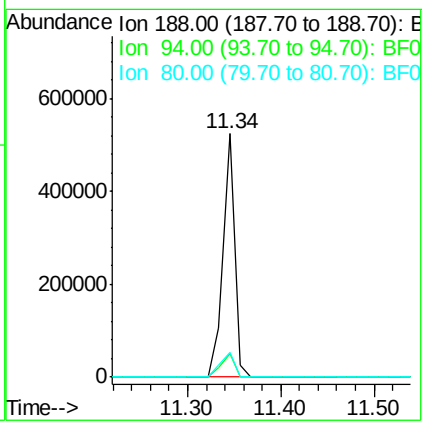


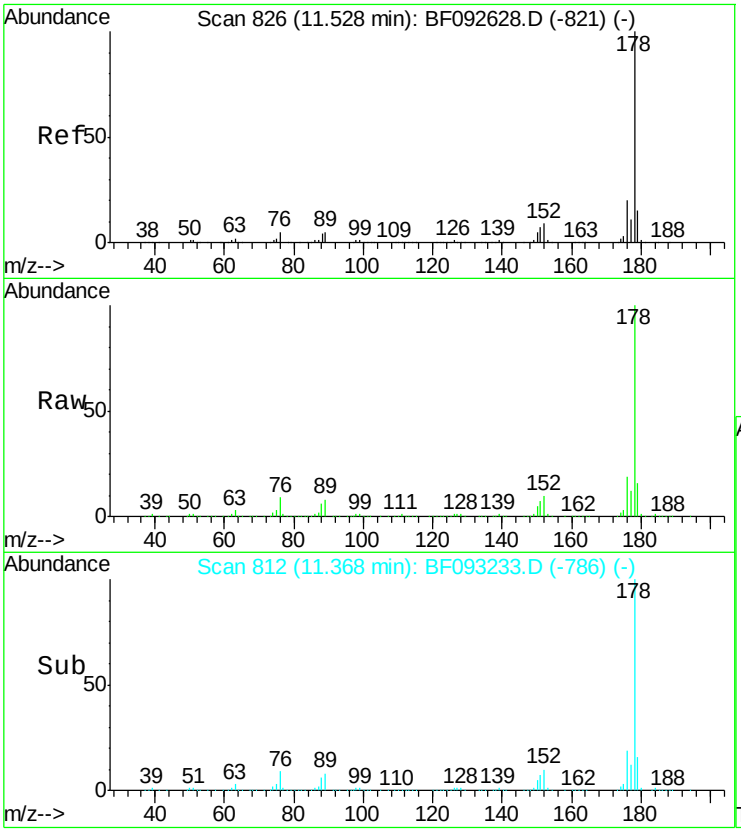


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:188 Resp: 455722

Ion	Ratio	Lower	Upper
188	100		
94	9.8	10.0	15.0#
80	10.2	11.2	16.8#



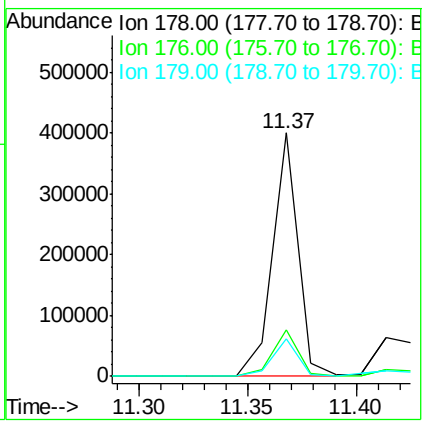


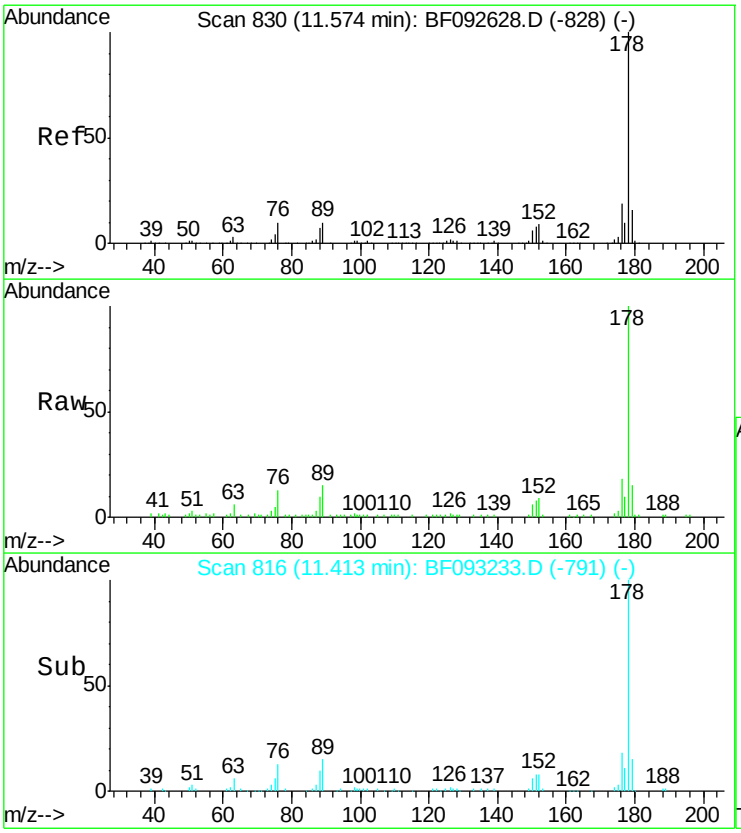
#70
Phenanthrene
Concen: 12.58 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:178 Resp: 328551

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.6	25.0
179	15.6	12.8	19.2

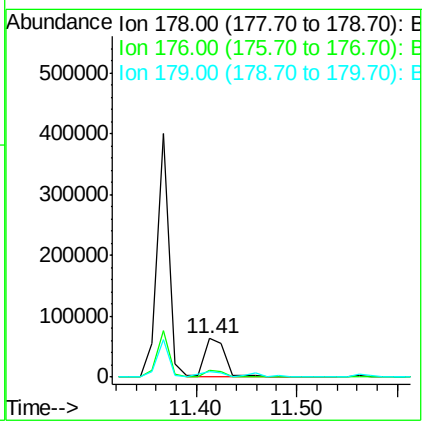


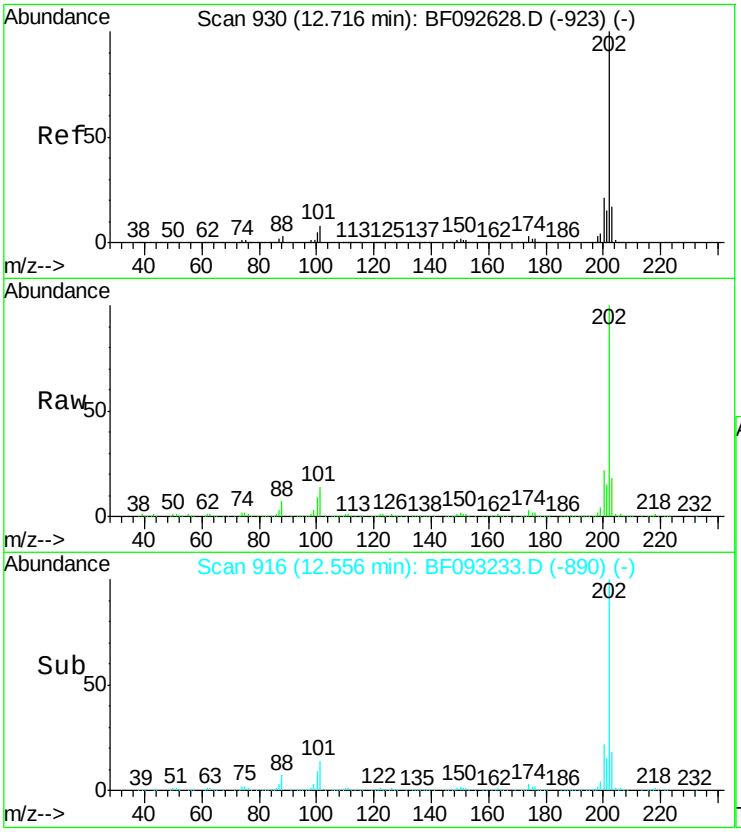


#71
Anthracene
Concen: 3.43 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:178 Resp: 90002

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	15.2	13.2	19.8



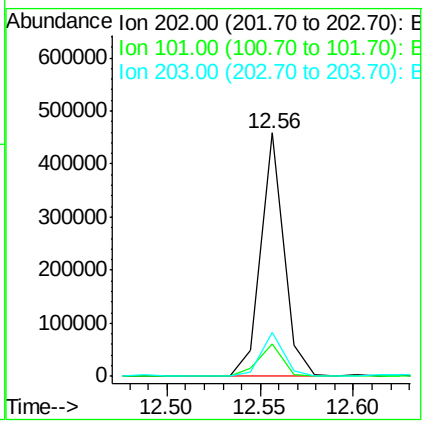


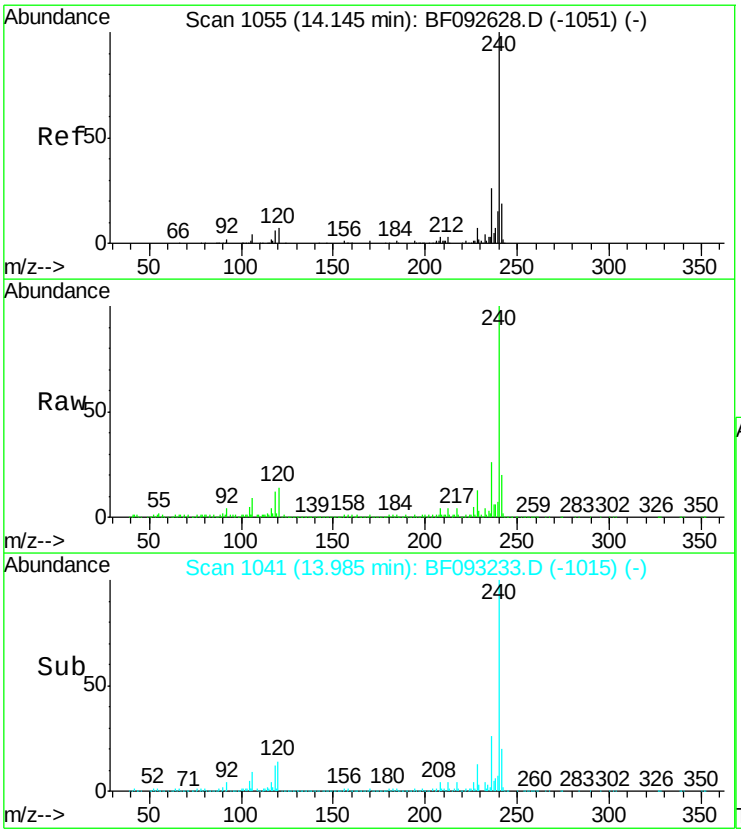
#74
Fluoranthene
Concen: 14.49 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:202 Resp: 390153

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.6
203	17.9	0.0	38.7

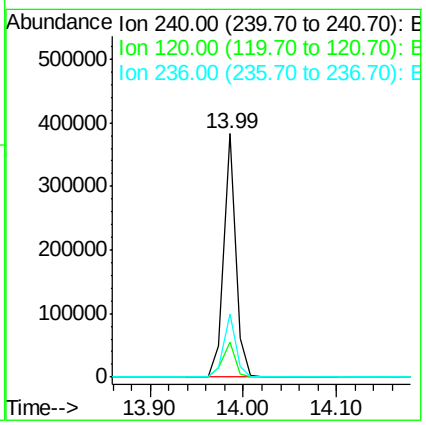


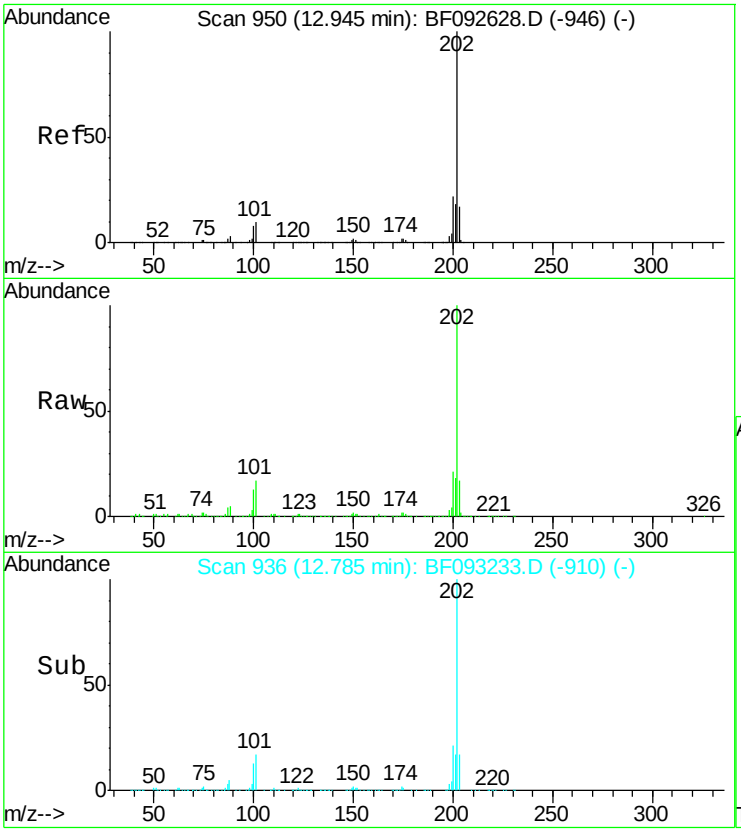


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:240 Resp: 342062

Ion	Ratio	Lower	Upper
240	100		
120	14.2	12.9	19.3
236	25.8	20.9	31.3



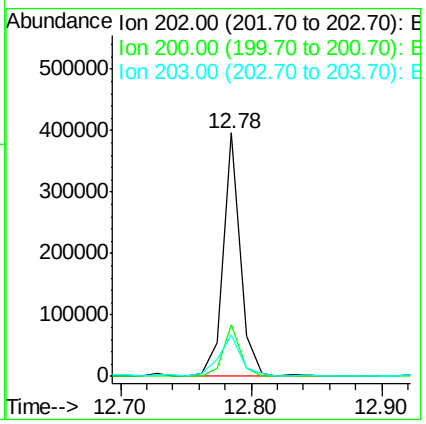


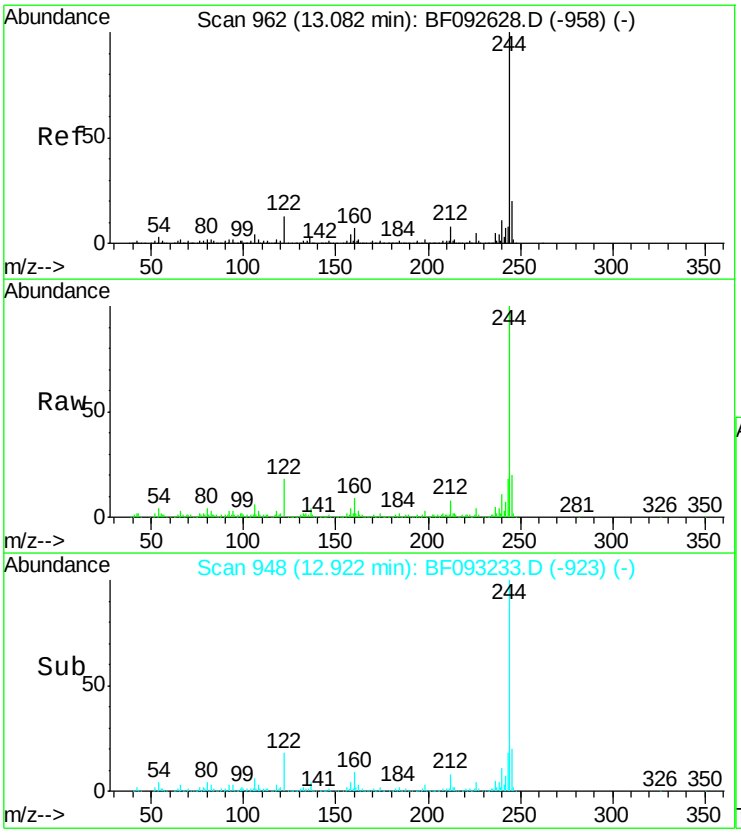
#77
Pyrene
Concen: 14.16 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:202 Resp: 362475

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.1	14.7	22.1

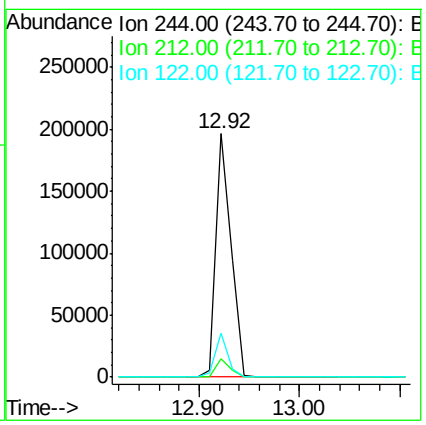


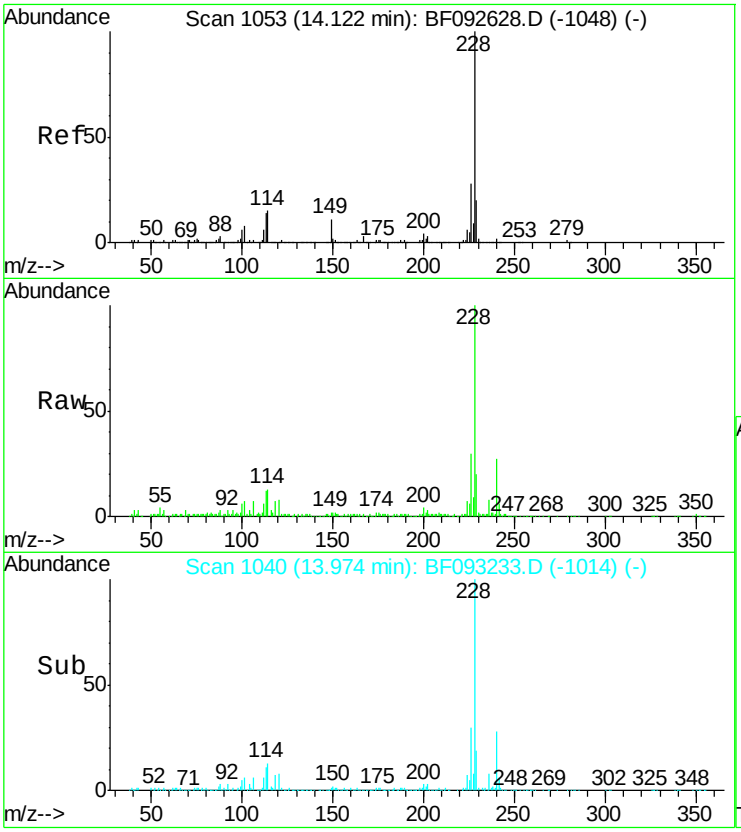


#78
Terphenyl-d14
Concen: 14.17 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:244 Resp: 206231

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	18.0	11.4	17.2#



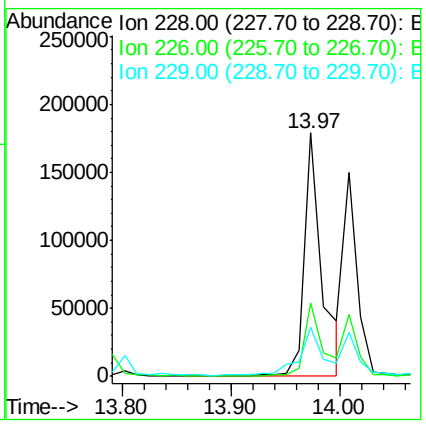


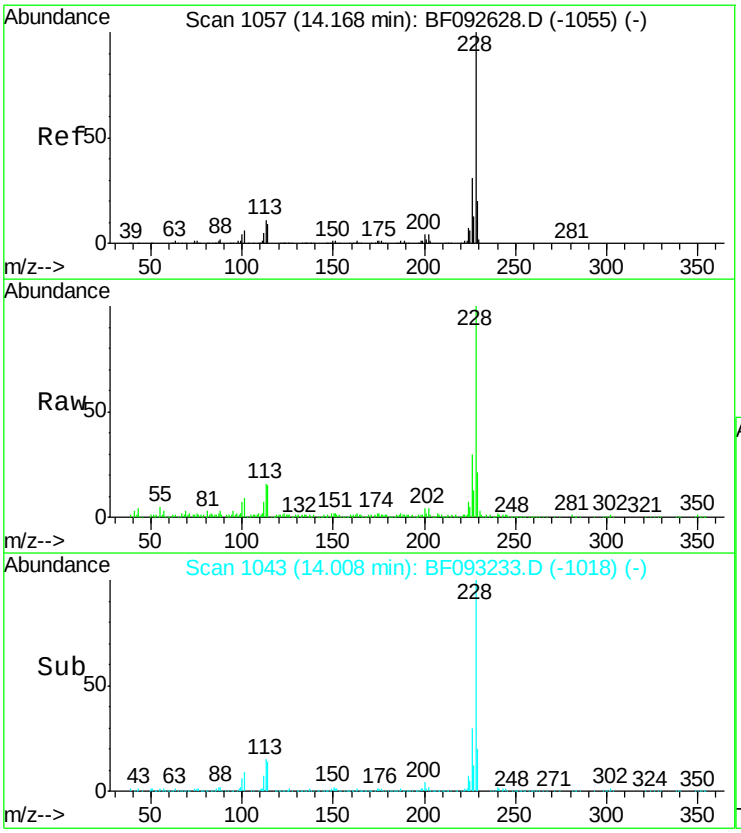
#80
Benzo(a)anthracene
Concen: 9.60 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:228 Resp: 200810

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.4	33.6
229	20.0	16.2	24.4

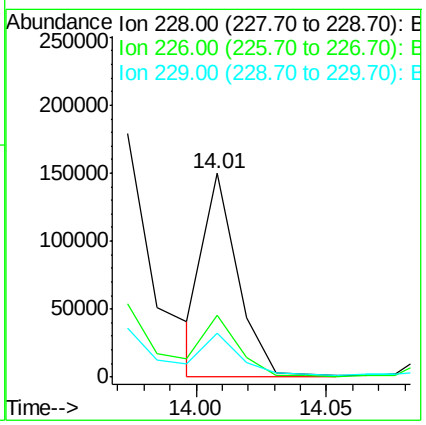


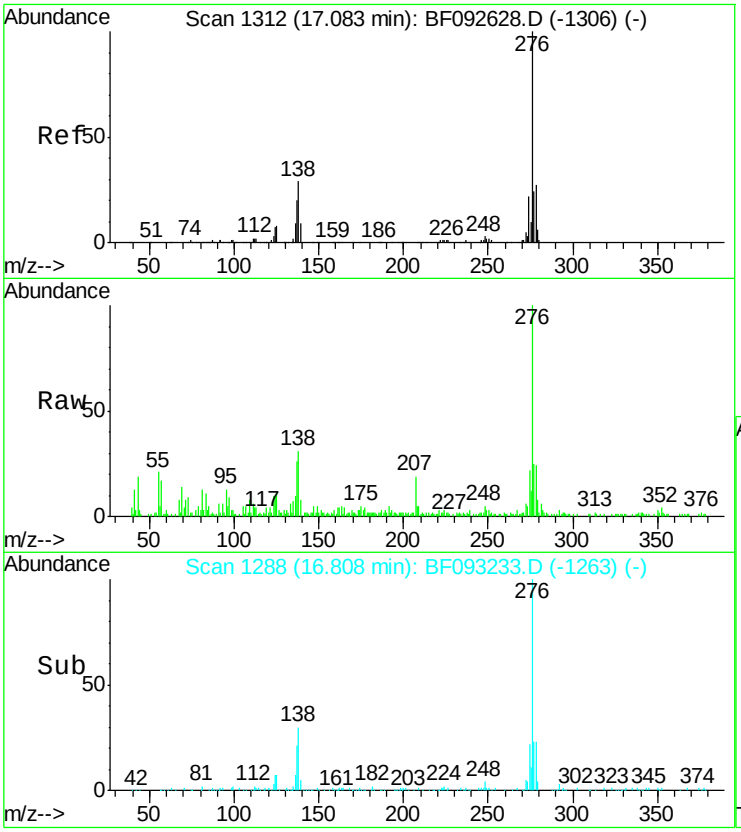


#82
Chrysene
Concen: 6.91 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:228 Resp: 135412

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	21.5	16.2	24.2



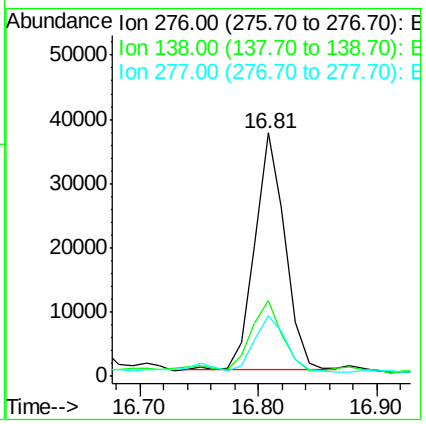


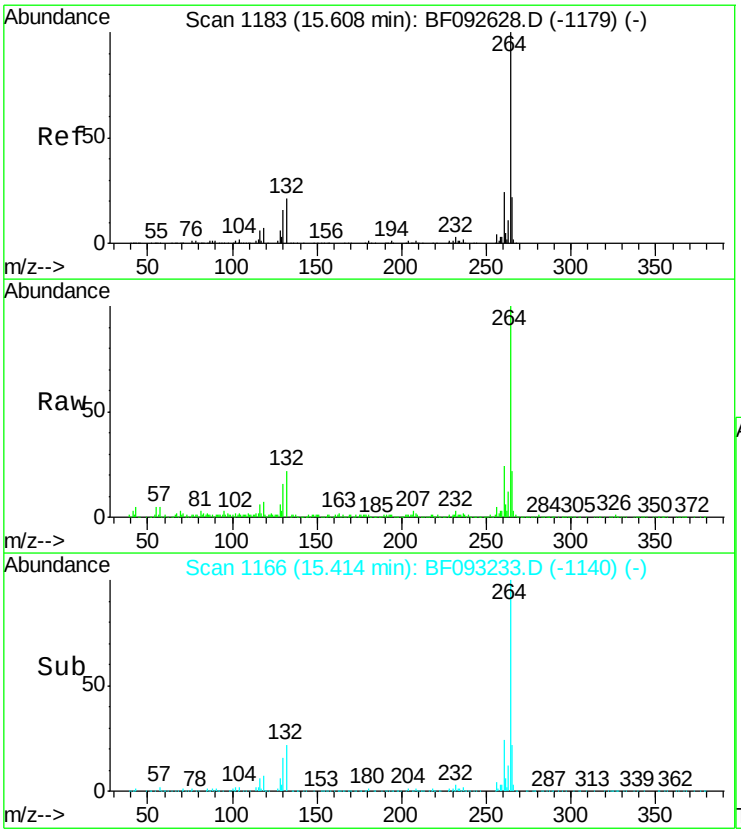
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.33 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:276 Resp: 65761

Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.6
277	24.3	20.2	30.4

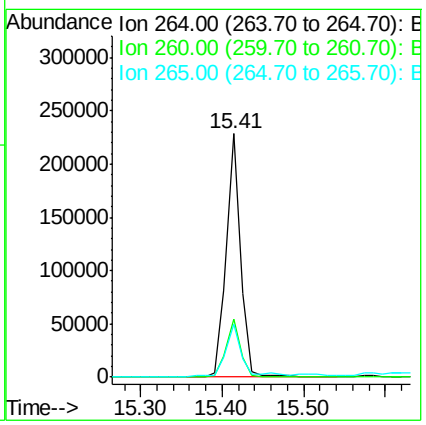


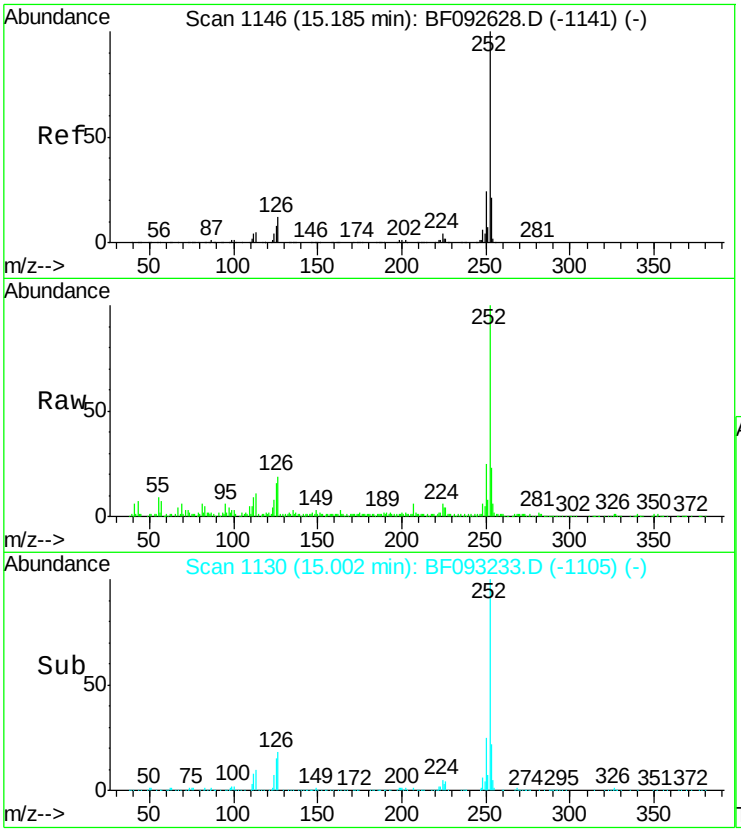


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:264 Resp: 275893

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.4	26.0



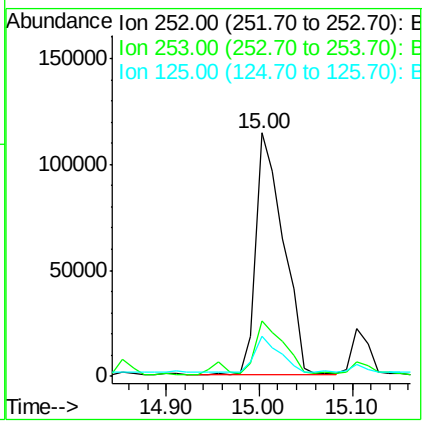


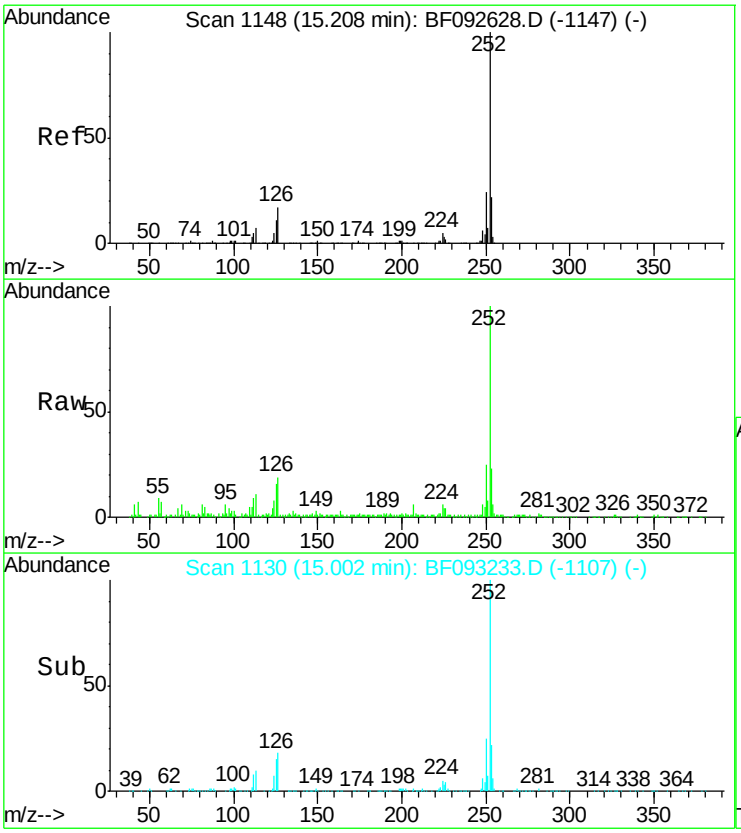
#87
Benzo(b)fluoranthene
Concen: 12.83 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:252 Resp: 233049

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	16.2	9.8	14.6#

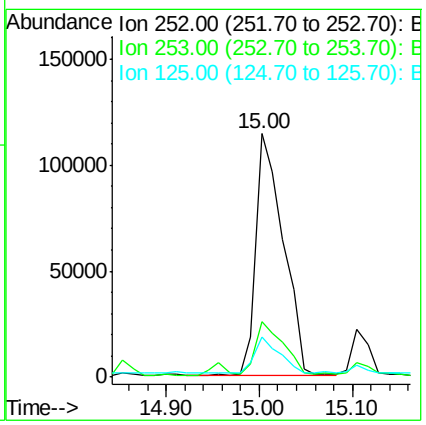


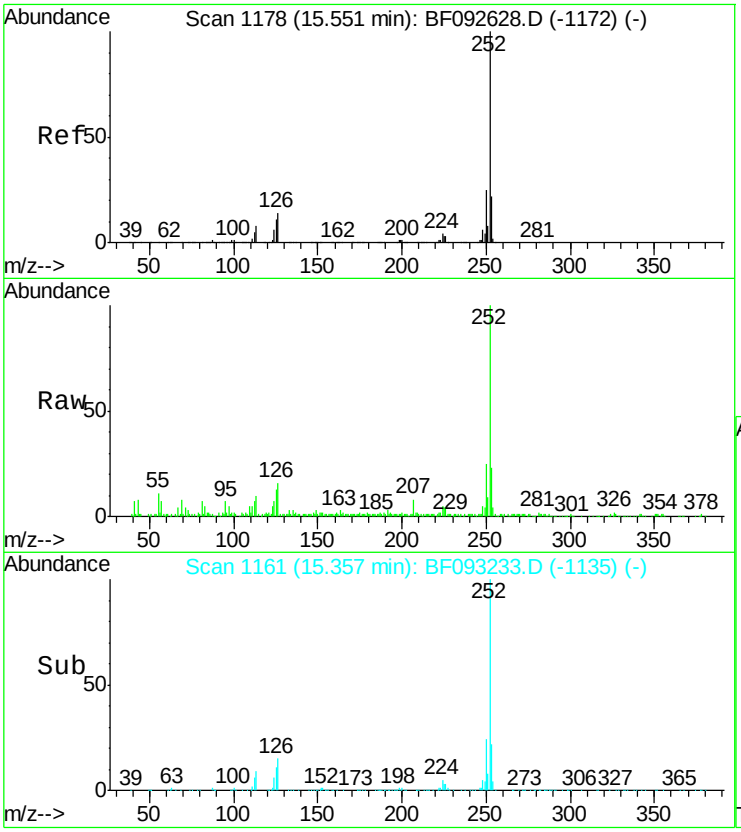


#88
Benzo(k)fluoranthene
Concen: 14.86 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:252 Resp: 233049

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	16.2	8.9	13.3#



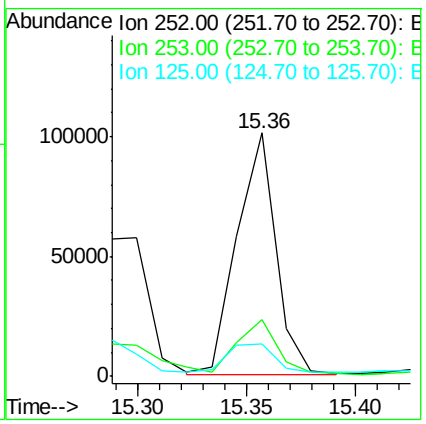


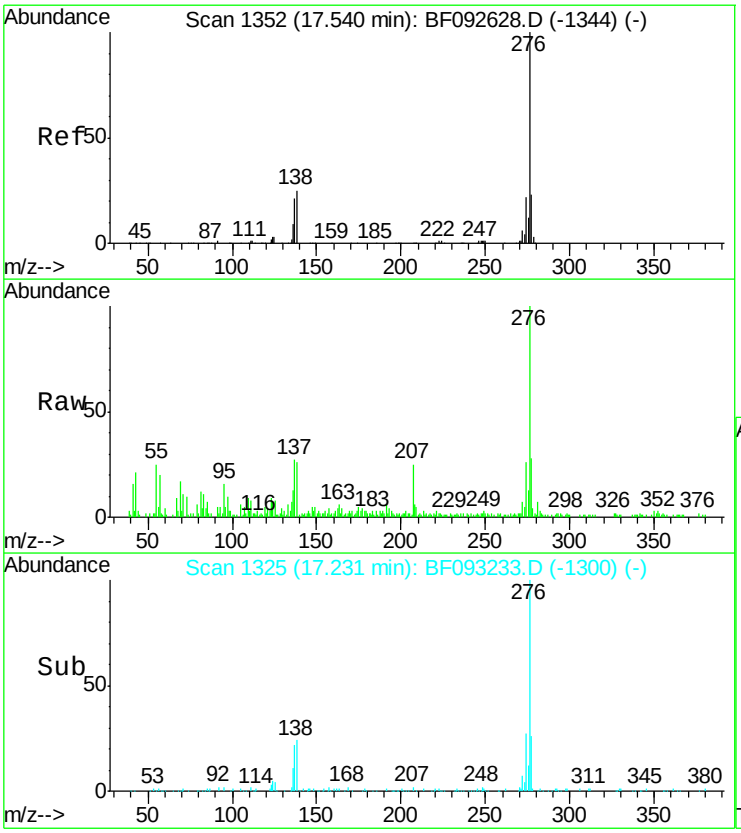
#89
Benzo(a)pyrene
Concen: 7.97 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tgt Ion:252 Resp: 125256

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	13.3	10.0	15.0





#91
Benzo(g,h,i)perylene
Concen: 5.37 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:276 Resp: 68807

Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.2	28.8
138	26.3	16.0	24.0#