Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093208.D
Acq On : 27 Feb 2017 14:53
Operator : SJ/MA
Sample : I1972-10 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Time: Feb 27 15:56:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	158828	20.00	ng		-0.02
21) Naphthalene-d8	8.12	136	605320	20.00	ng		-0.02
38) Acenaphthene-d10	9.88	164	235238	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	360134	20.00	ng		-0.01
75) Chrysene-d12	14.01	240	353710	20.00	ng		-0.01
86) Perylene-d12	15.45	264	289216	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	213044	23.01	ng		-0.02
7) Phenol-d6	6.48	99	271204	22.77	ng		-0.01
23) Nitrobenzene-d5	7.40	82	155846	14.34	ng		-0.02
41) 2,4,6-Tribromophenol	10.68	330	33933	19.94	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	272268	20.97	ng		-0.01
78) Terphenyl-d14	12.95	244	175268	11.64	ng		-0.02
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	20713	2.73	ng	#	78
32) Benzoic acid	7.93	122	2104	7.51	ng	#	26
50) 2,6-Dinitrotoluene	9.88	165	31076	9.08	ng	#	31
55) 4-Nitrophenol	10.09	139	5921	2.10	ng	#	10
56) 2,4-Dinitrotoluene	9.88	165	31076	6.82	ng	#	20
70) Phenanthrene	11.39	178	342690	16.61	ng		97
71) Anthracene	11.45	178	86653	4.18	ng		98
74) Fluoranthene	12.58	202	498070	23.40	ng		97
77) Pyrene	12.81	202	464768	17.56	ng		99
80) Benzo(a)anthracene	14.00	228	296818	13.72	ng		95
82) Chrysene	14.03	228	221375	10.93	ng		98
85) Indeno(1,2,3-cd)pyrene	16.85	276	102155	6.51	ng		98
87) Benzo(b)fluoranthene	15.04	252	407371	21.40	ng		98
88) Benzo(k)fluoranthene	15.04	252	407371	24.78	ng	#	98
89) Benzo(a)pyrene	15.38	252	195416	11.87	ng	#	97
90) Dibenzo(a,h)anthracene	16.85	278	29077	2.18	ng	#	78
91) Benzo(g,h,i)perylene	17.28	276	96122	7.15	ng	#	92

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

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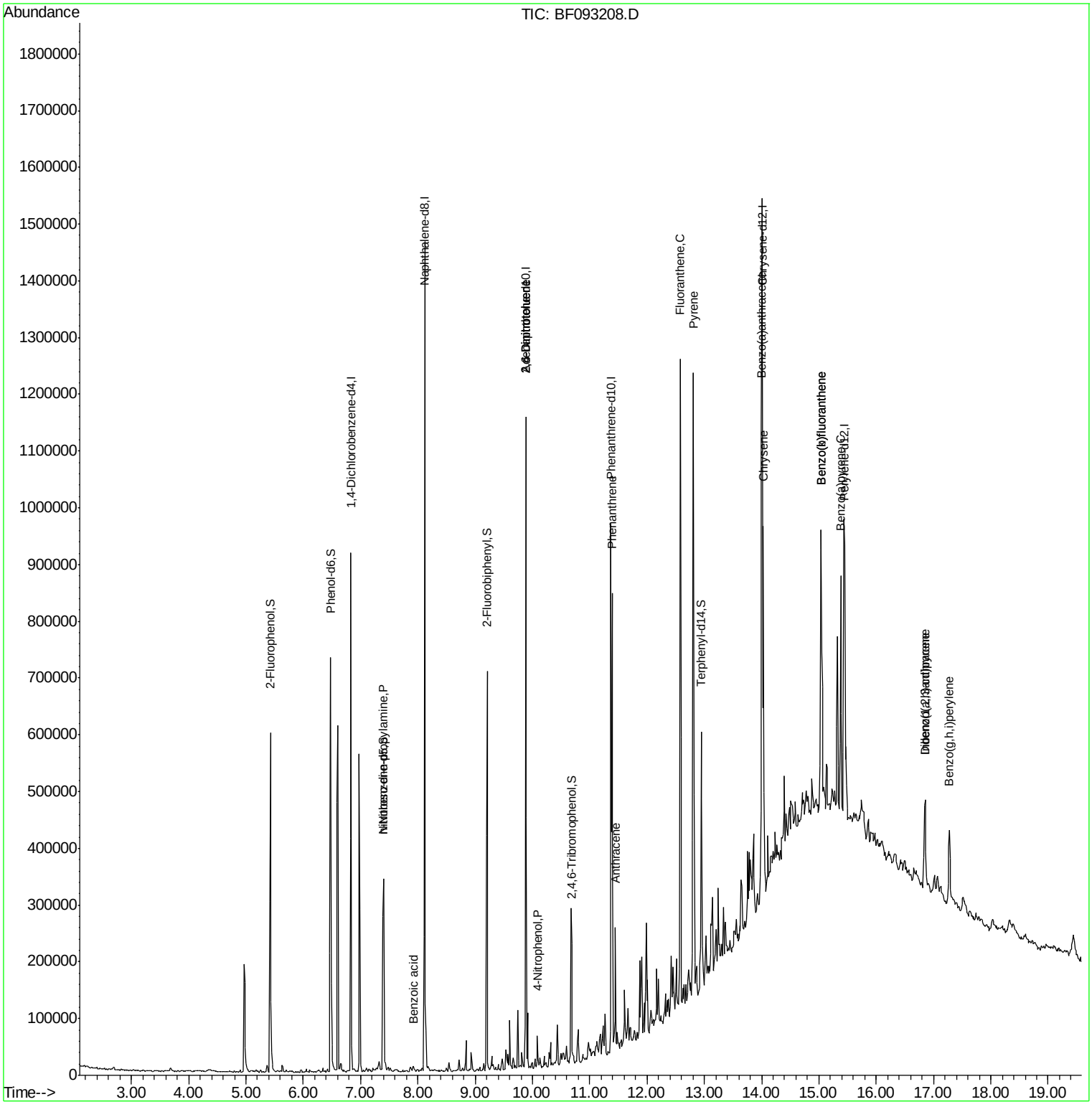
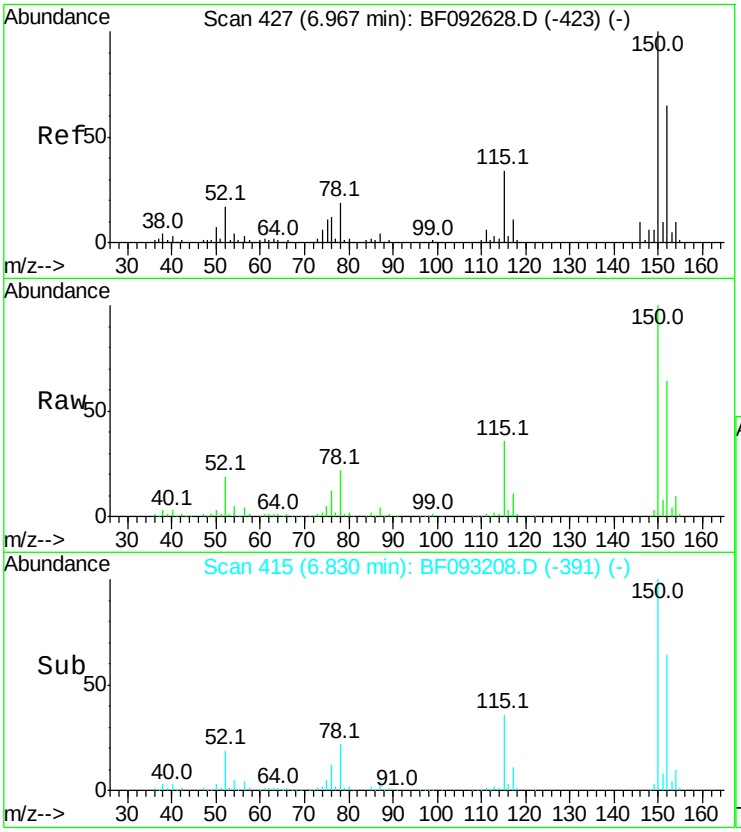


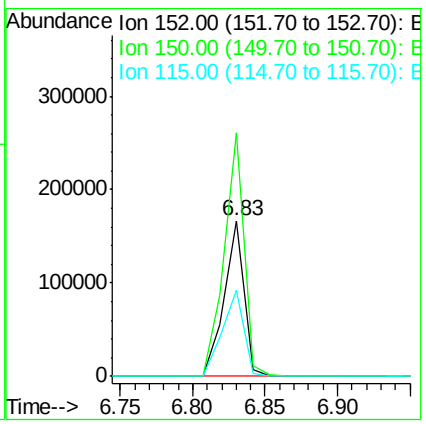


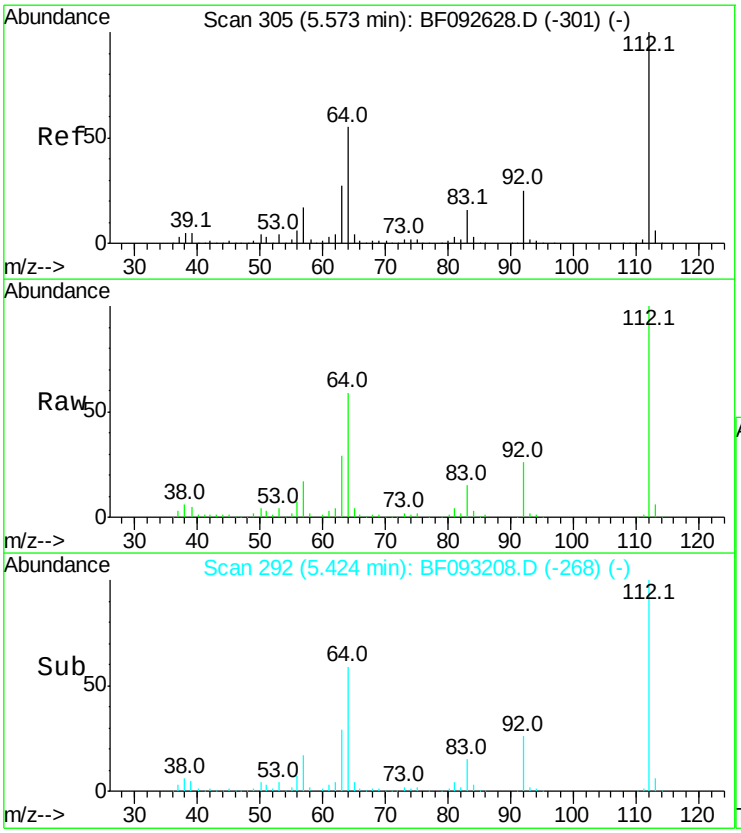
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:152 Resp: 158828

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.9	187.3
115	55.6	46.0	69.0

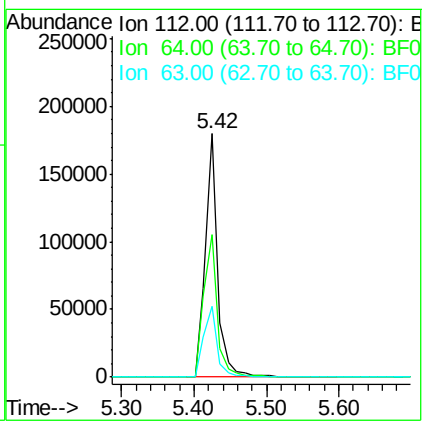


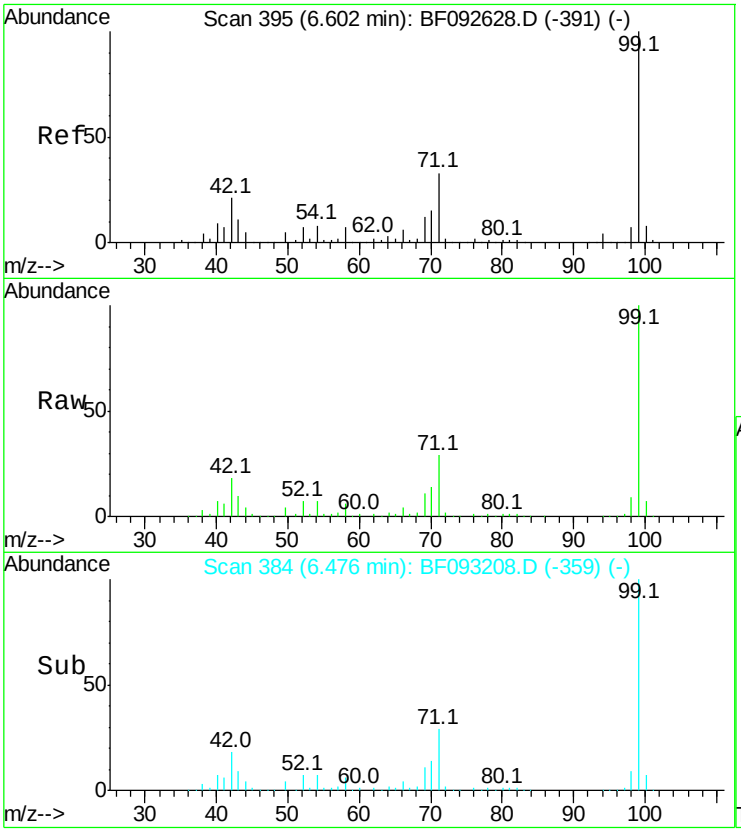


#5
2-Fluorophenol
Concen: 23.01 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:112 Resp: 213044

Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.1	69.1
63	29.2	23.8	35.6



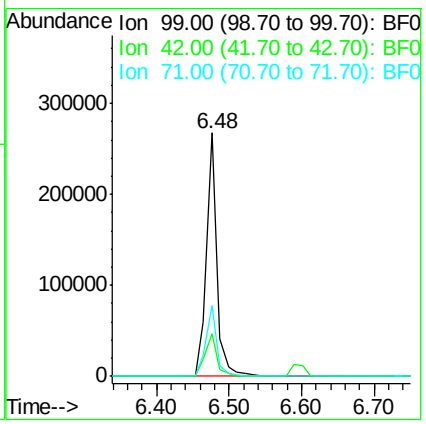


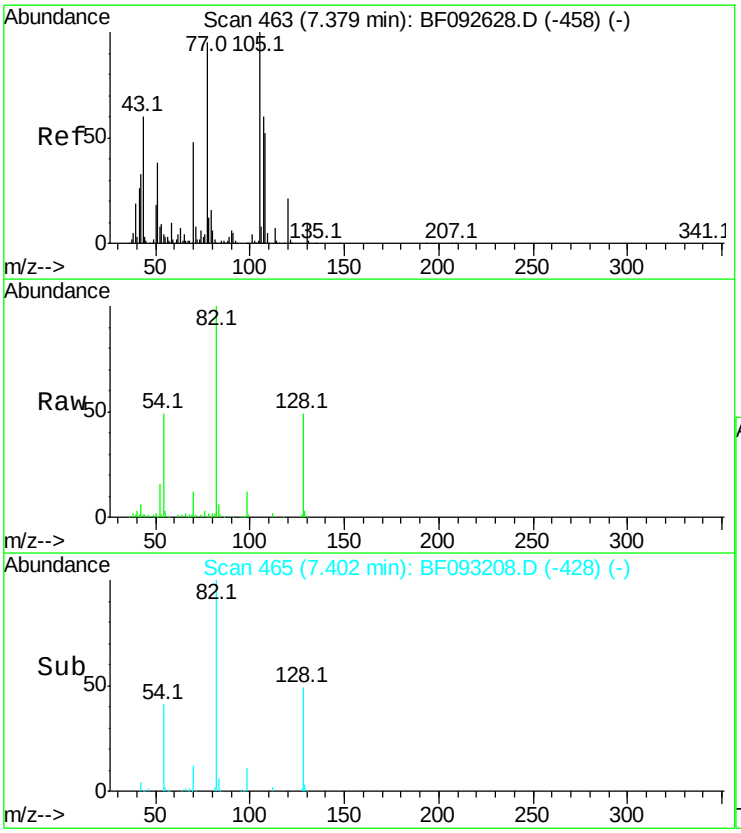
#7
Phenol-d6
Concen: 22.77 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion: 99 Resp: 271204

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.6	23.4
71	29.3	27.5	41.3

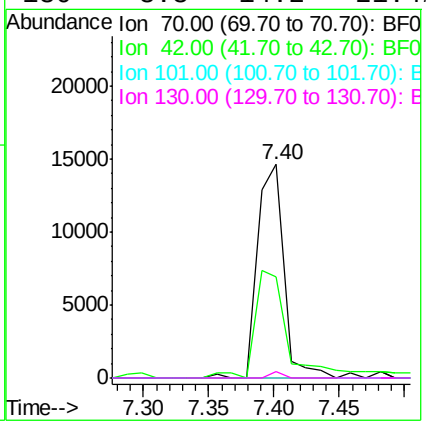


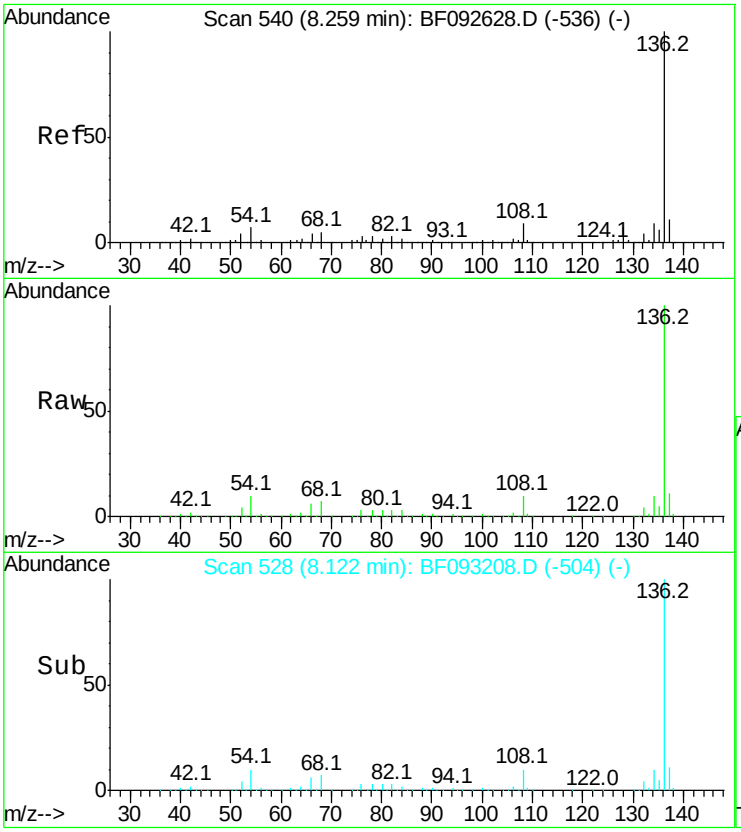


#19
n-Nitroso-di-n-propylamine
Concen: 2.73 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion: 70 Resp: 20713

Ion	Ratio	Lower	Upper
70	100		
42	47.1	49.4	74.0#
101	0.0	7.4	11.2#
130	3.3	14.2	21.4#



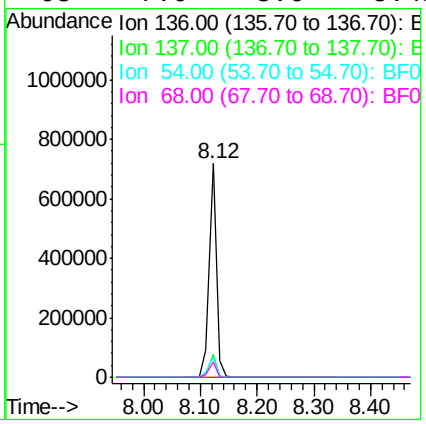


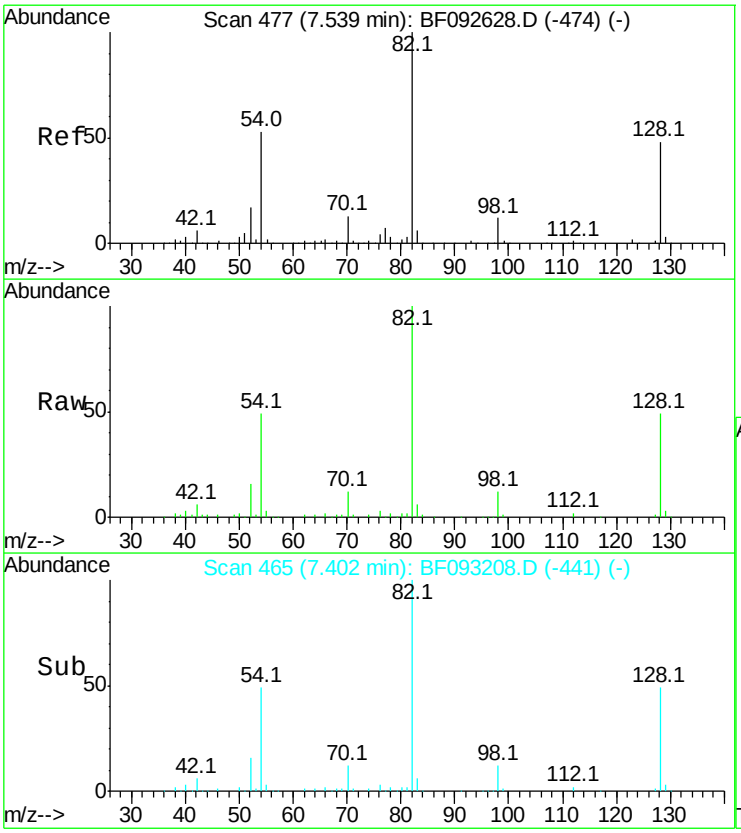
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:136 Resp: 605320

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.5	4.5	6.7#
68	7.0	3.6	5.4#

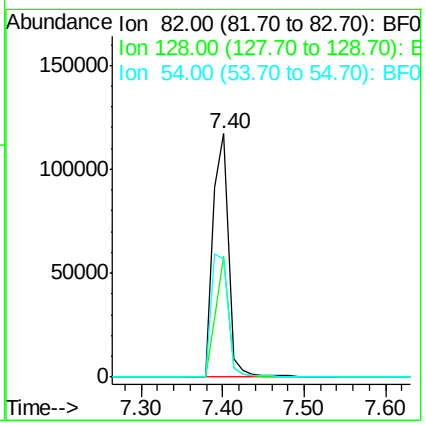


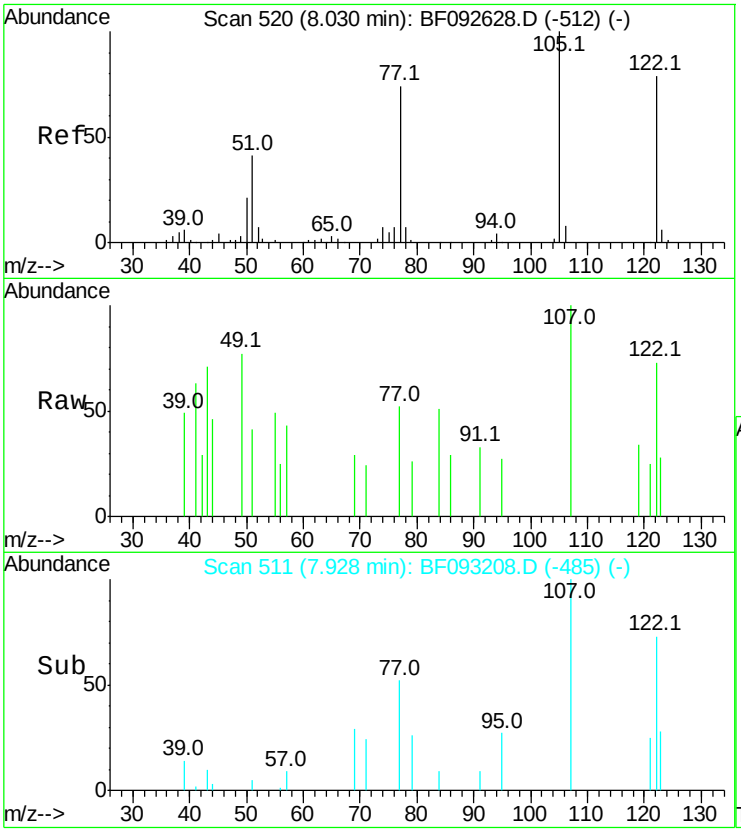


#23
Nitrobenzene-d5
Concen: 14.34 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion: 82 Resp: 155846

Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.6	52.0
54	48.8	39.5	59.3



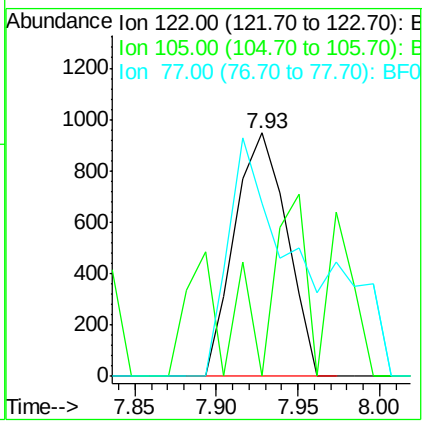


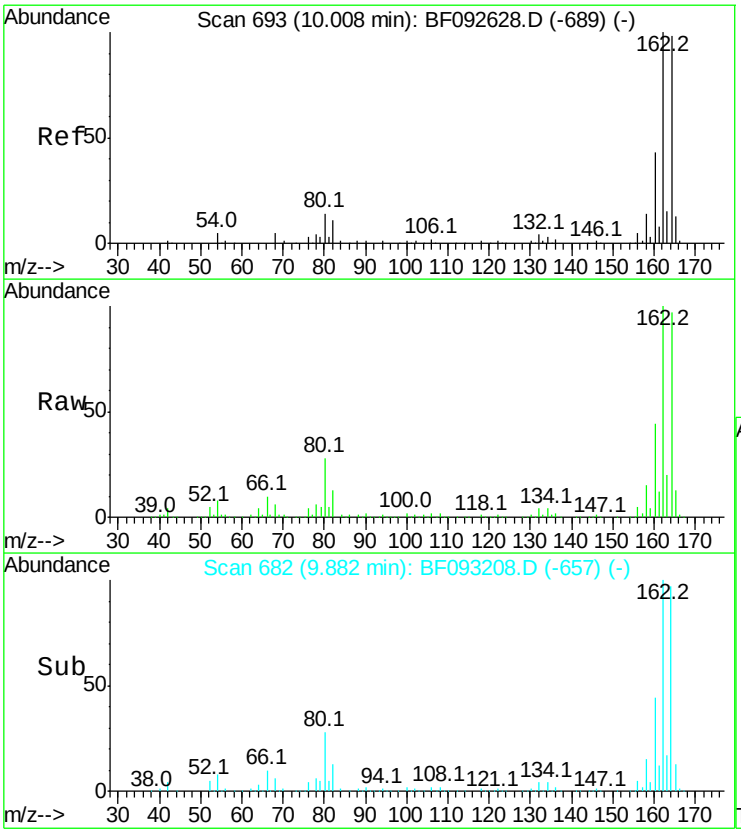
#32
Benzoic acid
Concen: 7.51 ng
RT: 7.93 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:122 Resp: 2104

Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.2	147.2#
77	71.0	74.5	114.5#

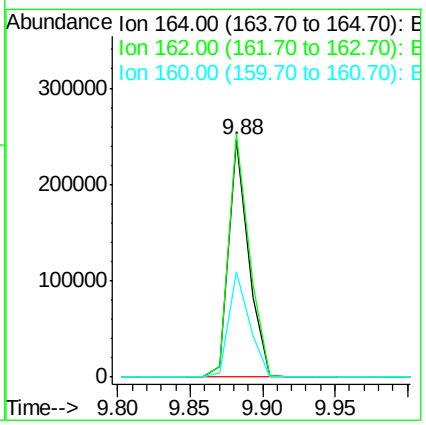


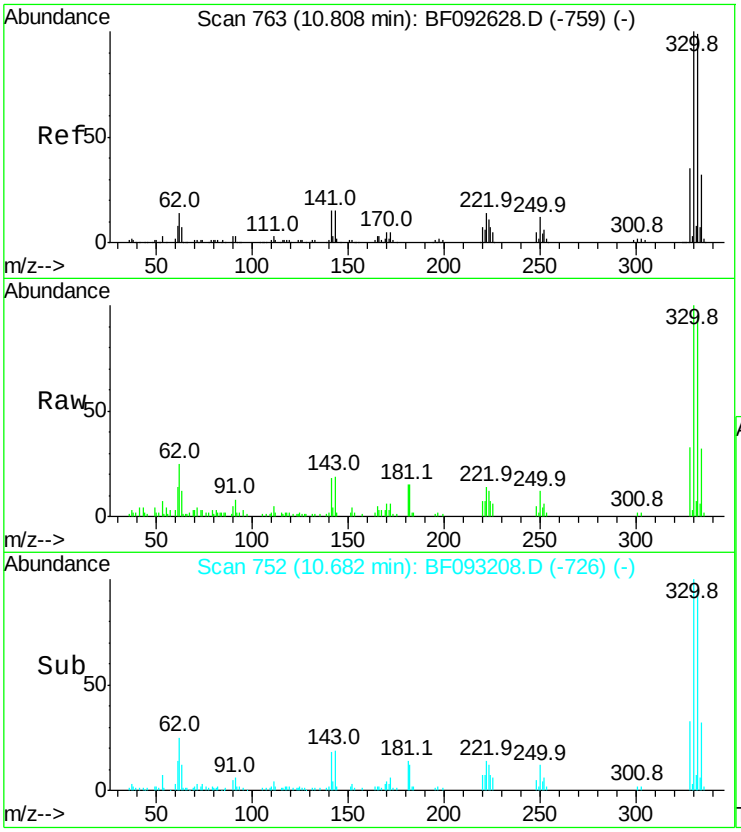


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:164 Resp: 235238

Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.2	120.2
160	44.6	36.9	55.3



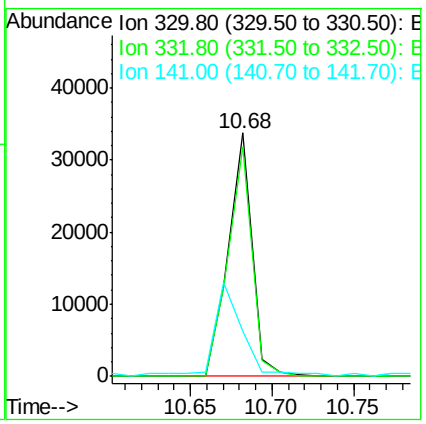


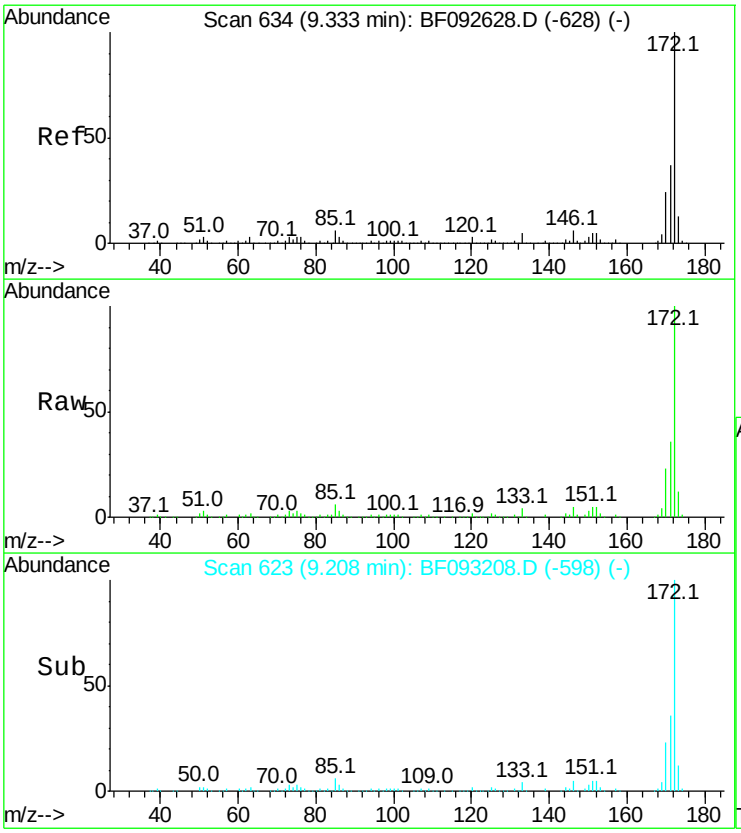
#41
2,4,6-Tribromophenol
Concen: 19.94 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:330 Resp: 33933

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.4	116.2
141	46.4	34.1	51.1

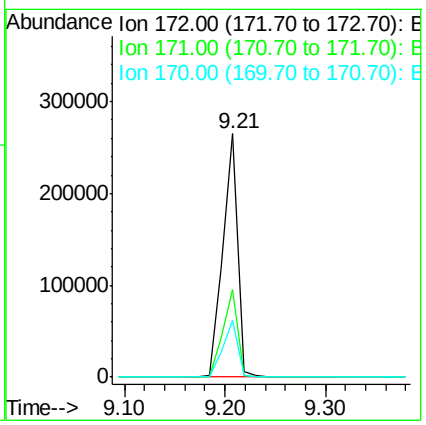


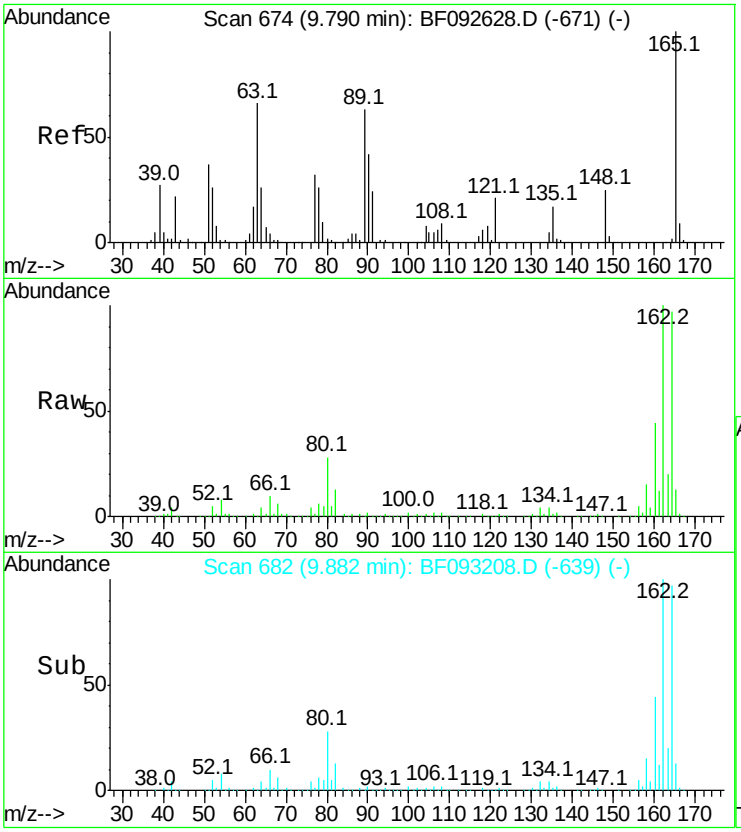


#44
2-Fluorobiphenyl
Concen: 20.97 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:172 Resp: 272268

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	23.4	20.2	30.4



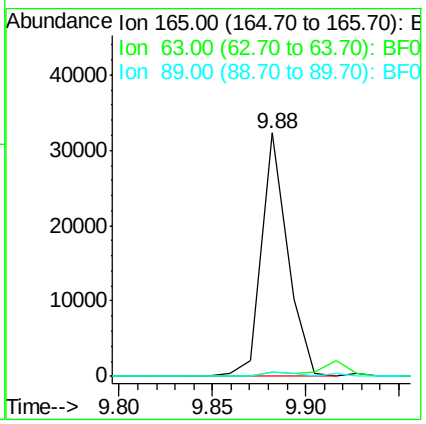


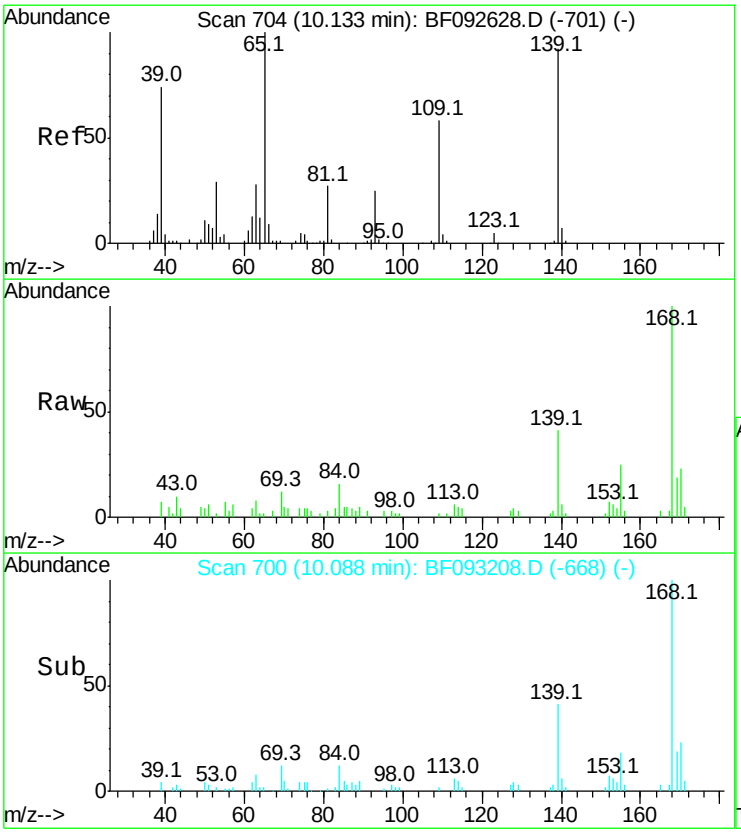
#50
2,6-Dinitrotoluene
Concen: 9.08 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.19 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:165 Resp: 31076

Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.2	54.4#
89	1.6	40.2	60.4#

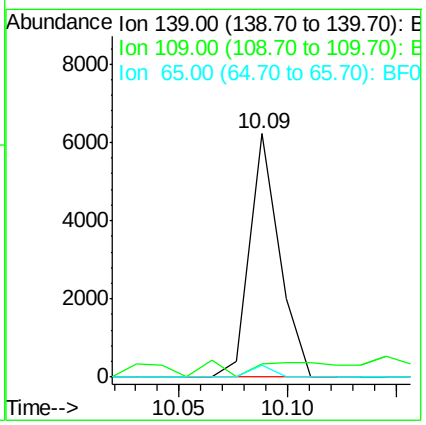


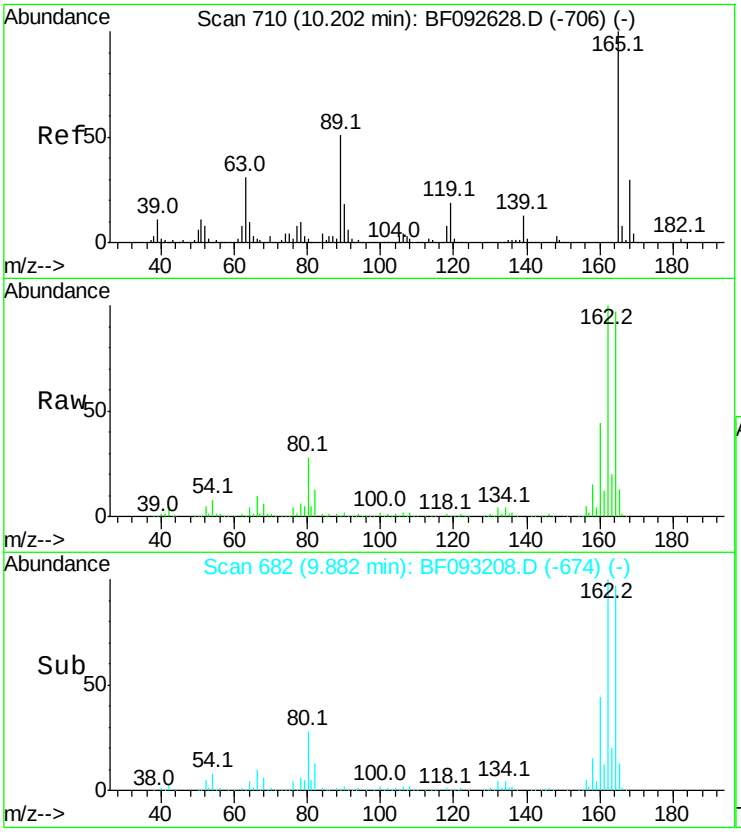


#55
4-Nitrophenol
Concen: 2.10 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.07 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:139 Resp: 5921

Ion	Ratio	Lower	Upper
139	100		
109	5.3	52.2	92.2#
65	5.1	85.8	125.8#



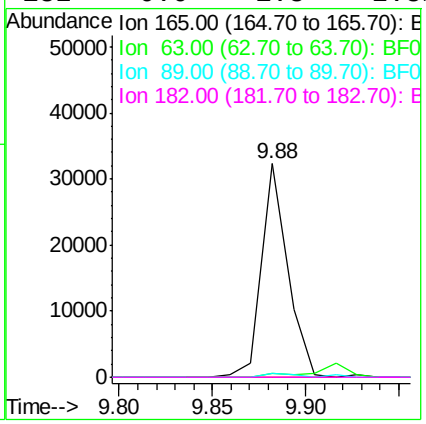


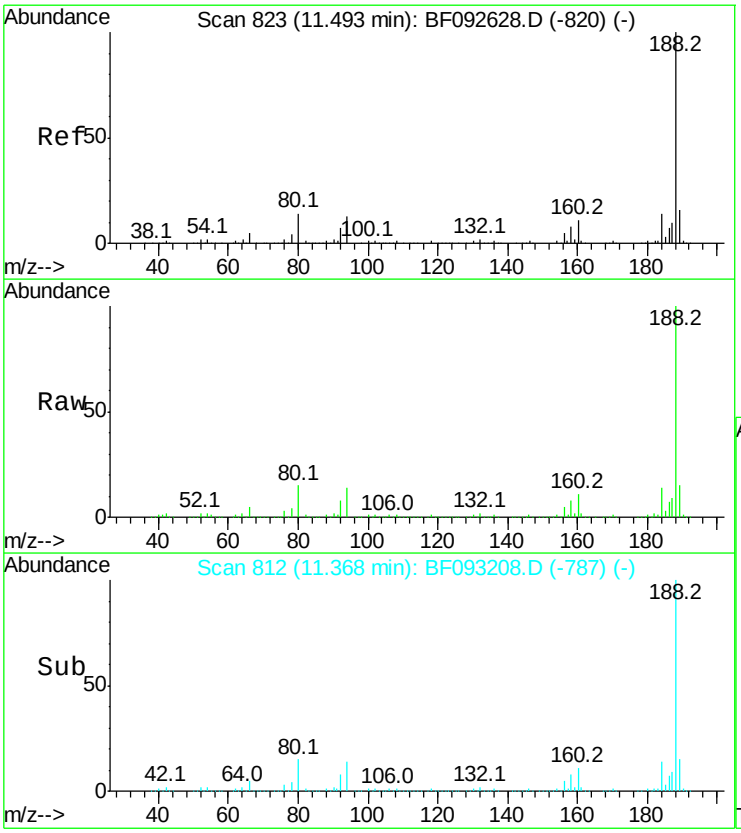
#56
2,4-Dinitrotoluene
Concen: 6.82 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.21 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:165 Resp: 31076

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

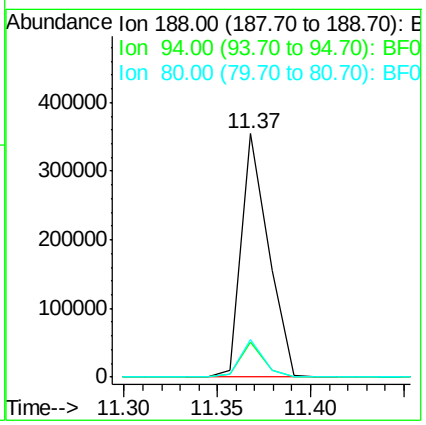


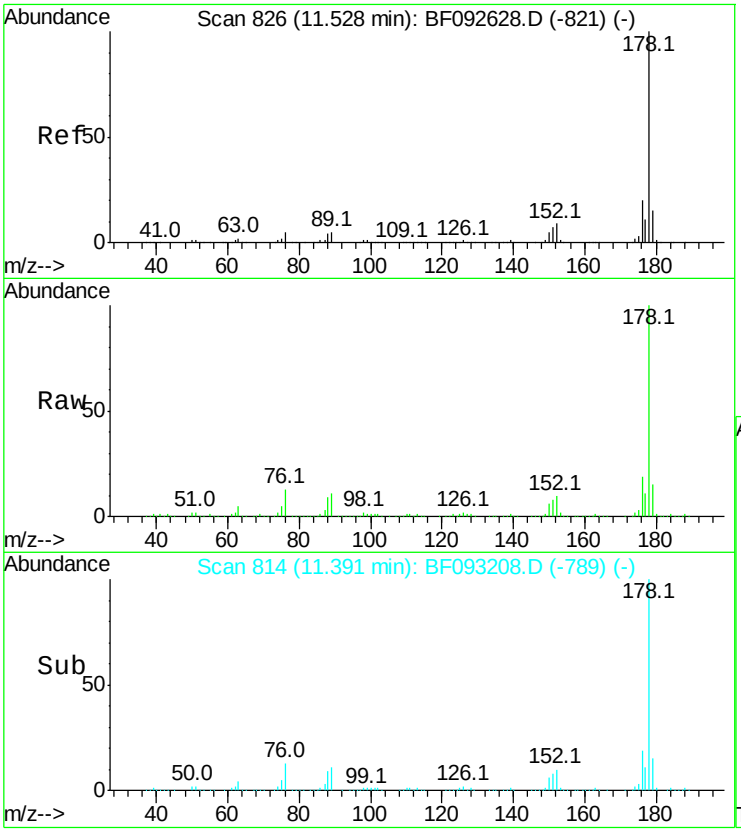


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:188 Resp: 360134

Ion	Ratio	Lower	Upper
188	100		
94	14.2	10.0	15.0
80	15.4	11.2	16.8



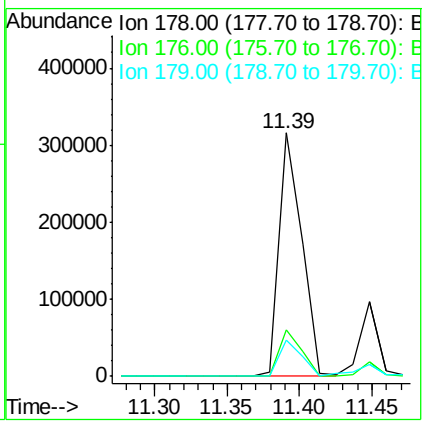


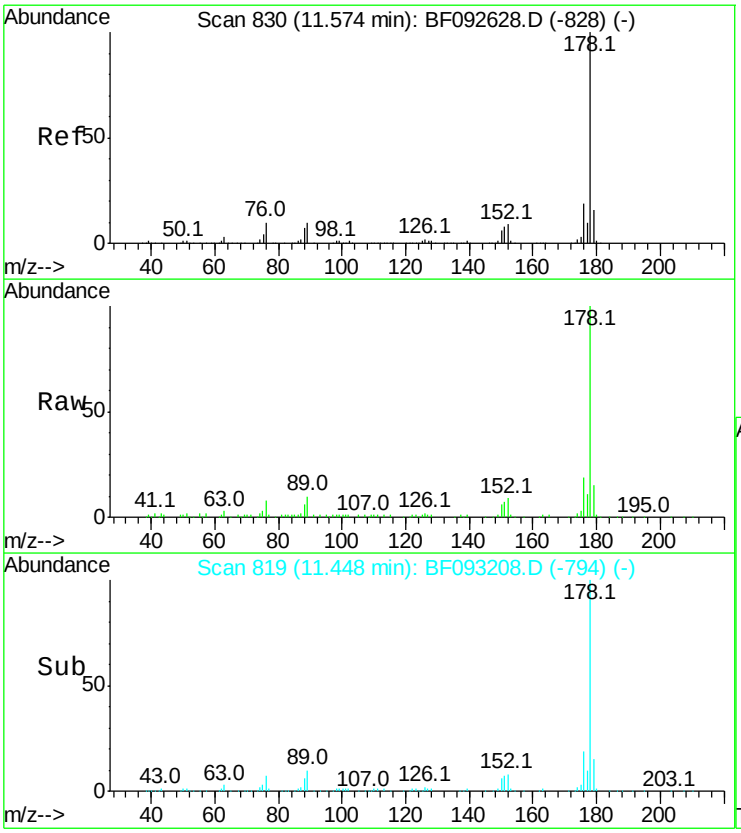
#70
Phenanthrene
Concen: 16.61 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:178 Resp: 342690

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	15.2	12.8	19.2

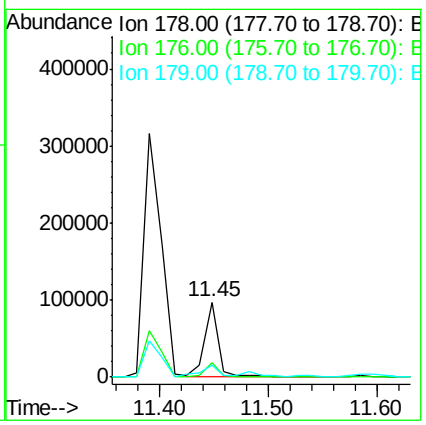


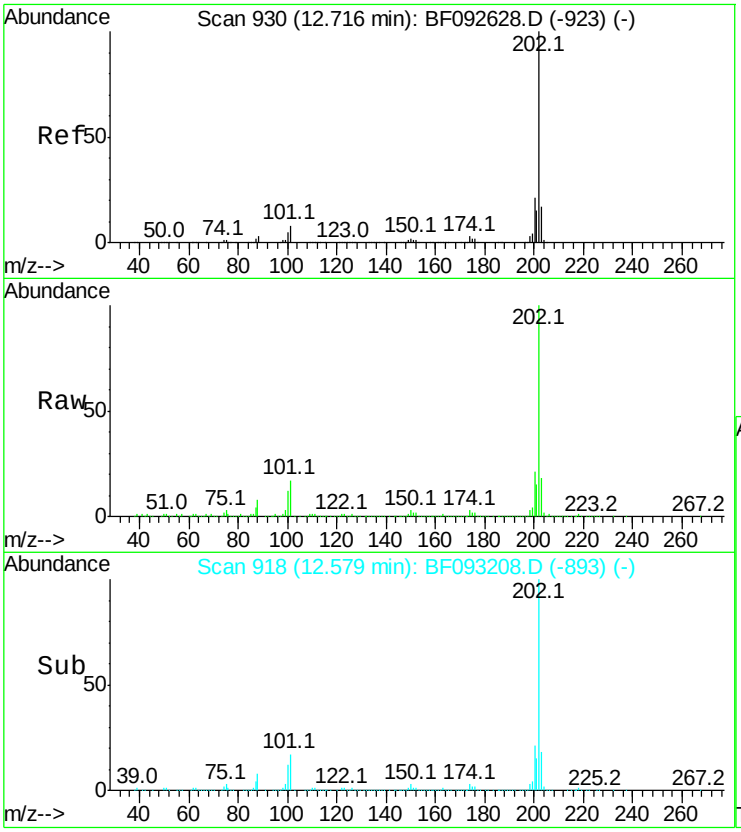


#71
Anthracene
Concen: 4.18 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:178 Resp: 86653

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.4	13.2	19.8



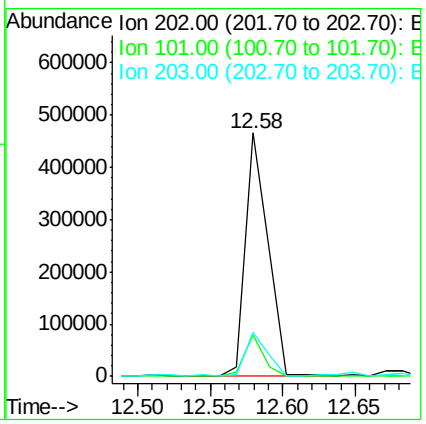


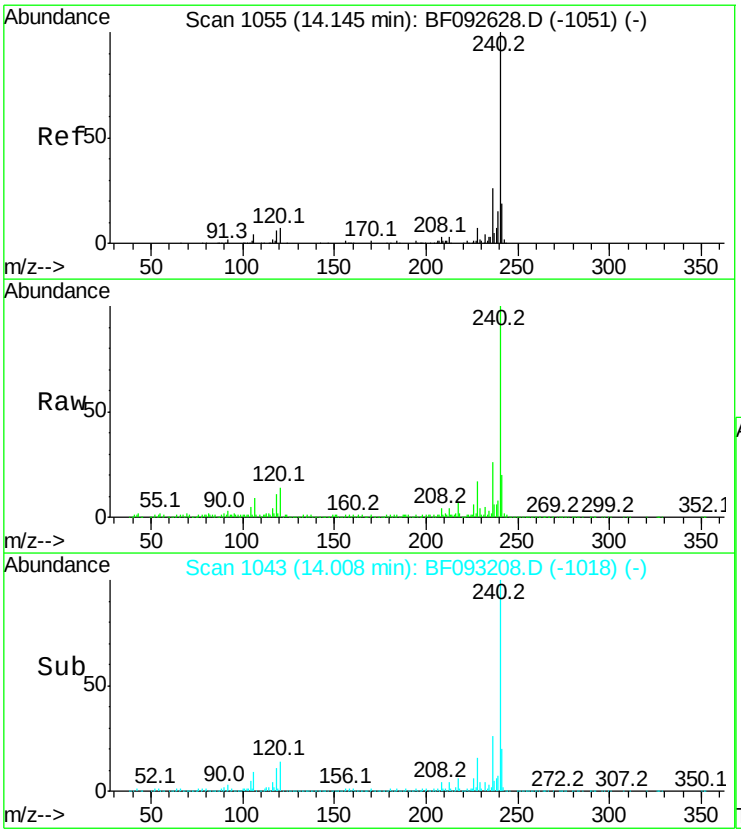
#74
Fluoranthene
Concen: 23.40 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:202 Resp: 498070

Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	34.6
203	18.3	0.0	38.7

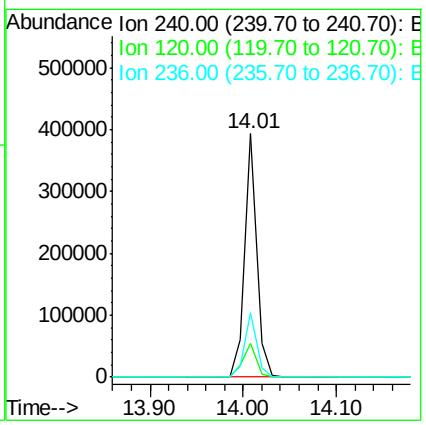


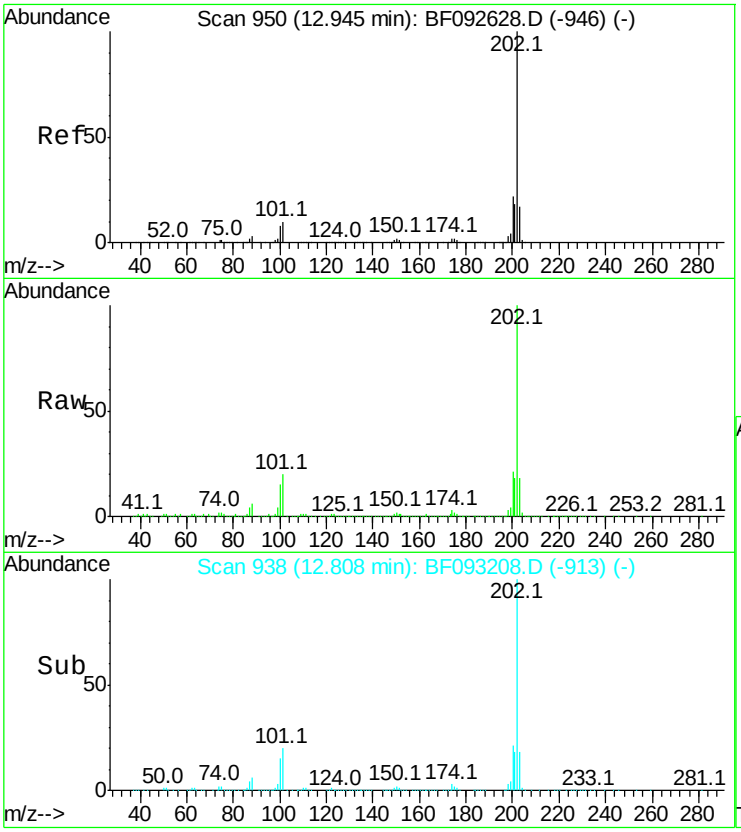


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:240 Resp: 353710

Ion	Ratio	Lower	Upper
240	100		
120	14.0	12.9	19.3
236	26.5	20.9	31.3



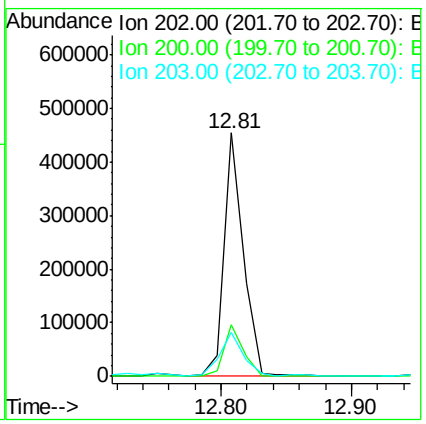


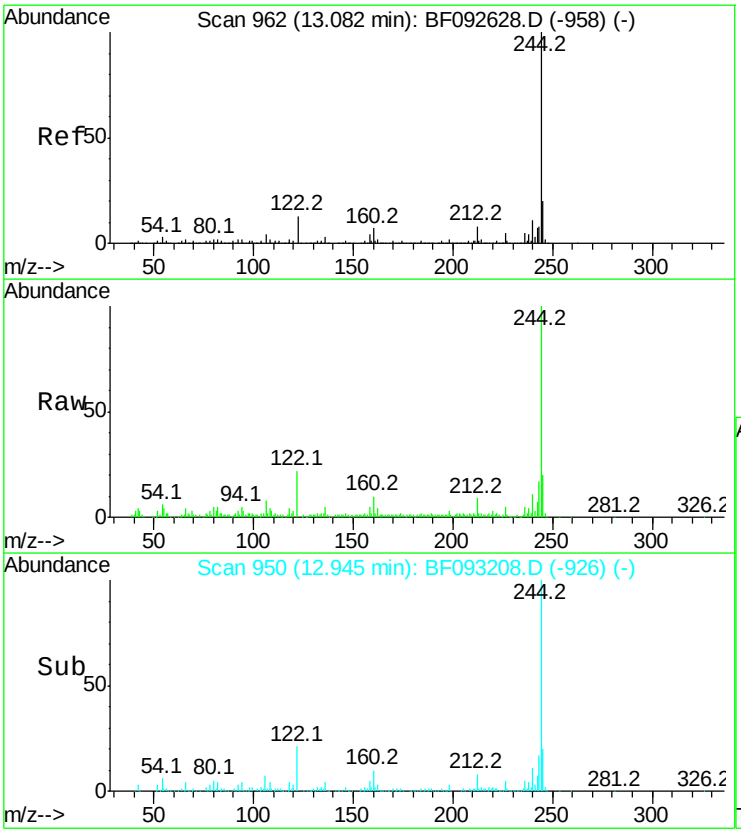
#77
Pyrene
Concen: 17.56 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:202 Resp: 464768

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.2	14.7	22.1

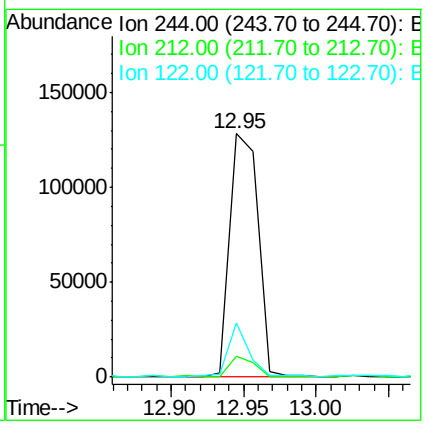


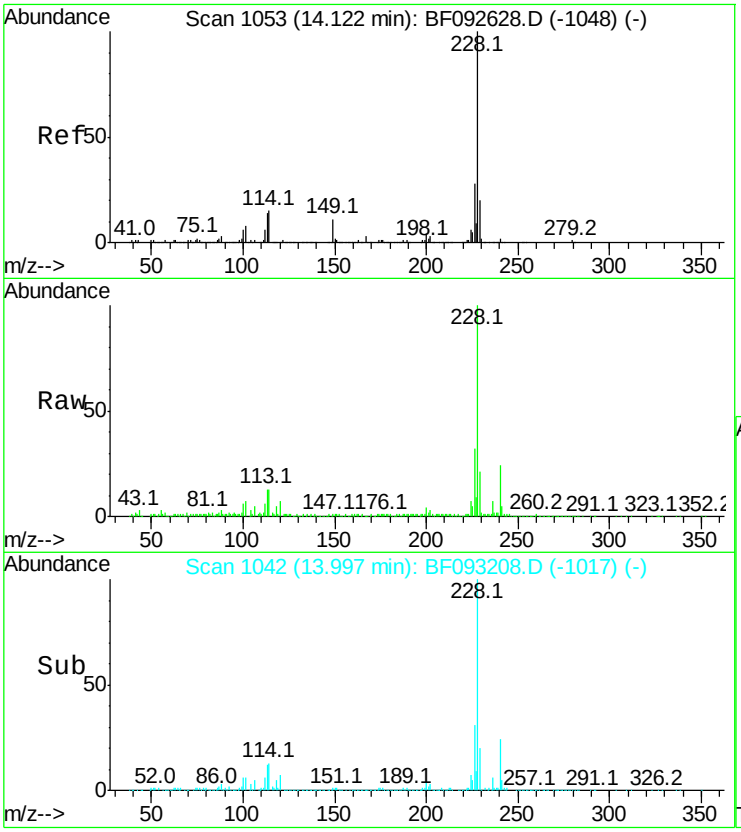


#78
Terphenyl-d14
Concen: 11.64 ng
RT: 12.95 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:244 Resp: 175268

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	22.1	11.4	17.2#



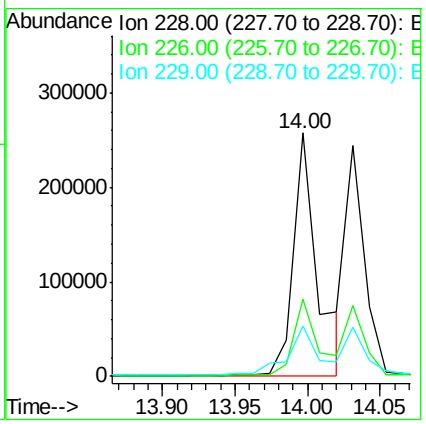


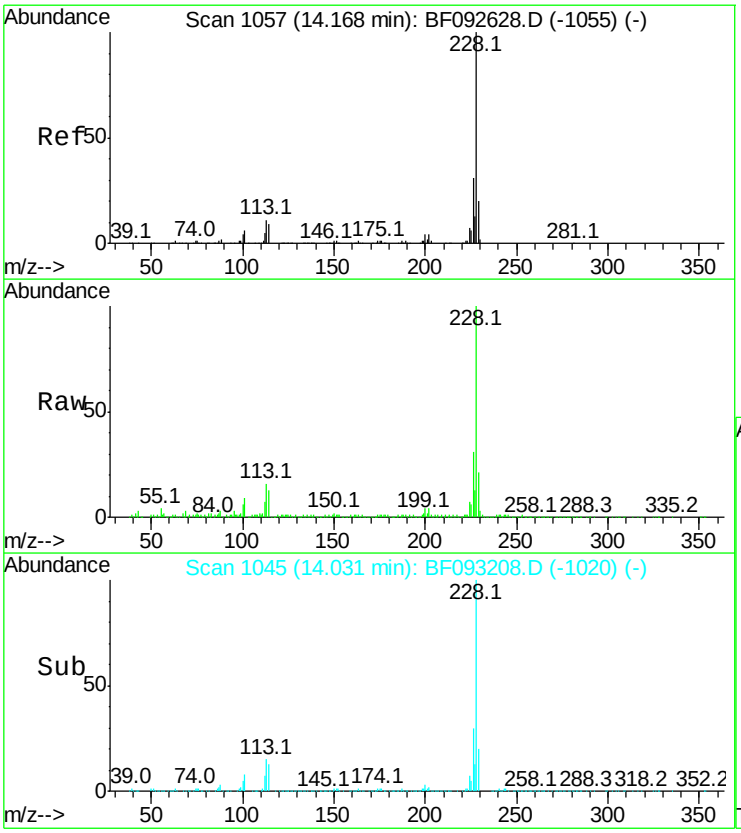
#80
Benzo(a)anthracene
Concen: 13.72 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:228 Resp: 296818

Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.4	33.6
229	20.9	16.2	24.4

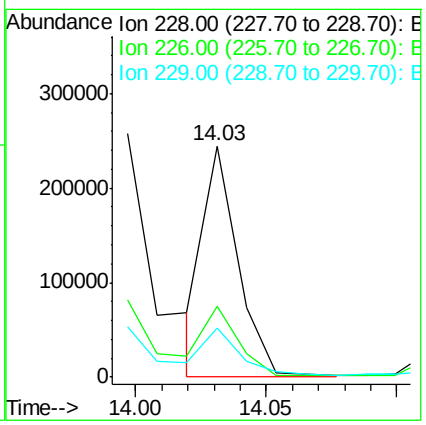


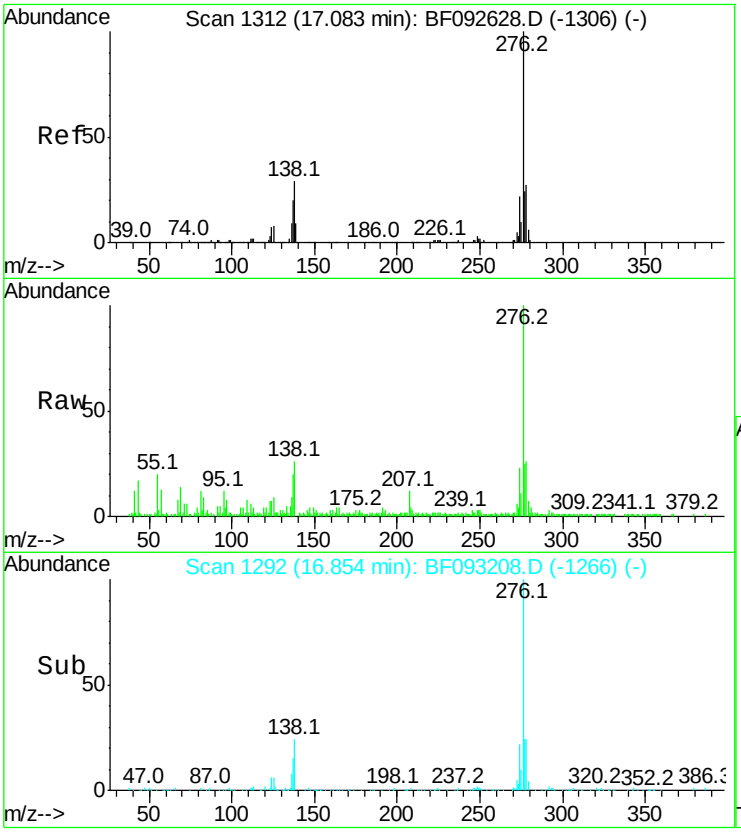


#82
Chrysene
Concen: 10.93 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:228 Resp: 221375

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	21.4	16.2	24.2



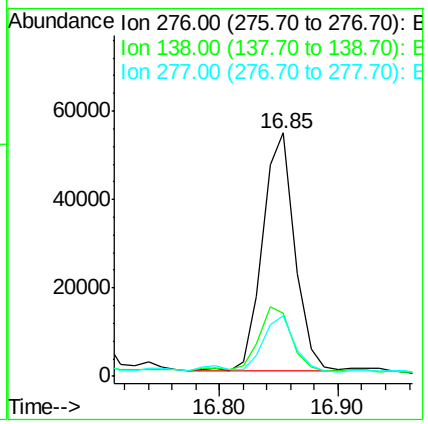


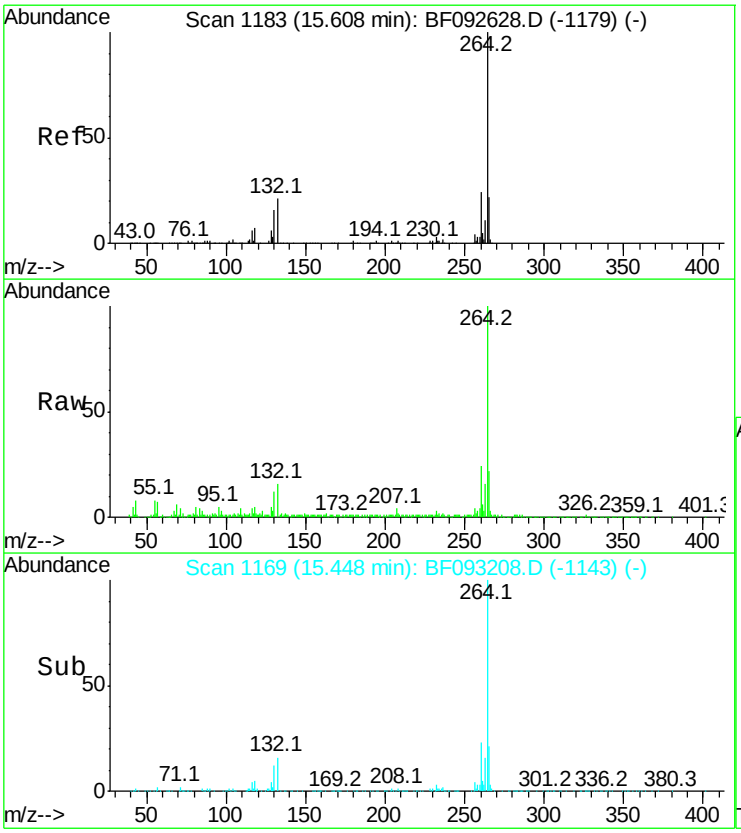
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.51 ng
RT: 16.85 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:276 Resp: 102155

Ion	Ratio	Lower	Upper
276	100		
138	28.6	21.8	32.6
277	25.7	20.2	30.4

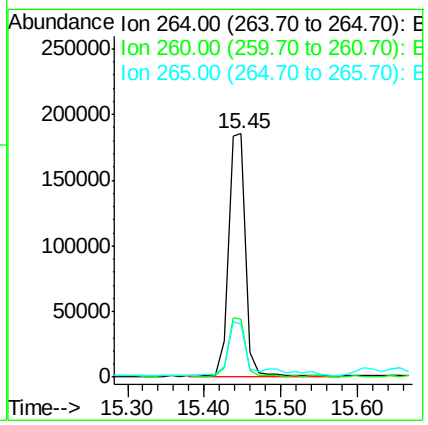


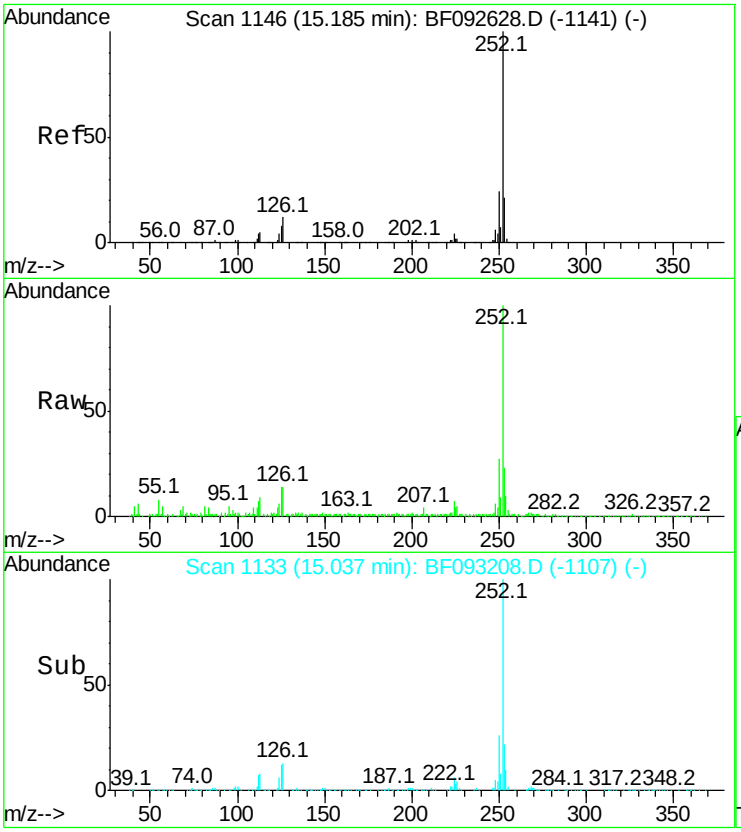


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:264 Resp: 289216

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.4	26.0



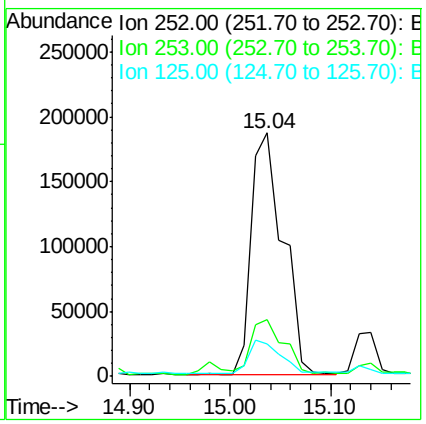


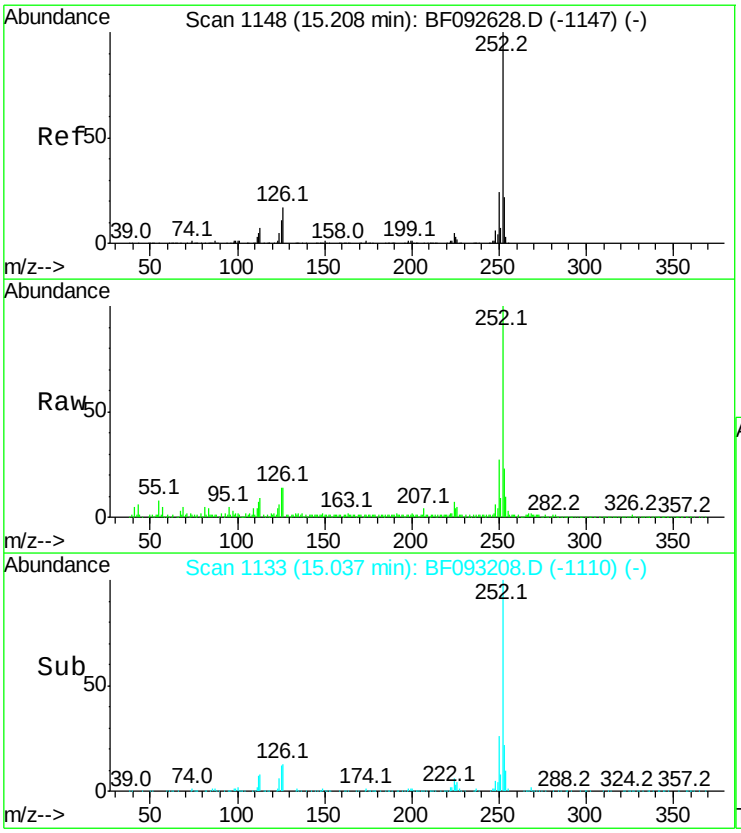
#87
Benzo(b)fluoranthene
Concen: 21.40 ng
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:252 Resp: 407371

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	13.5	9.8	14.6

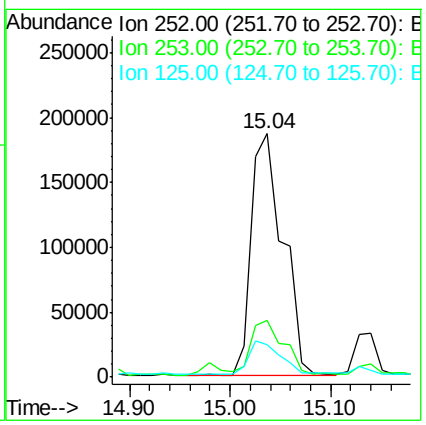


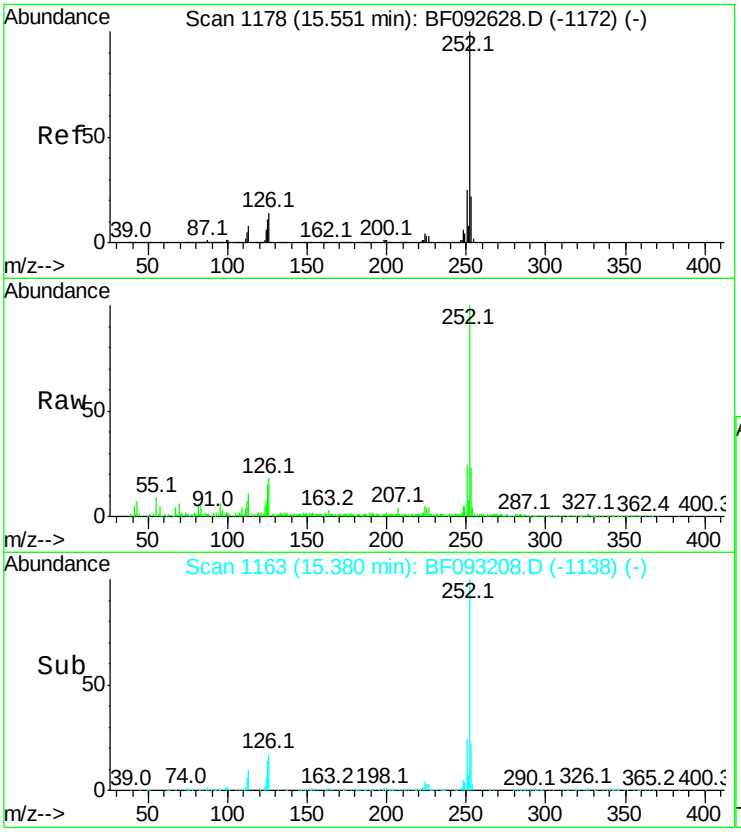


#88
Benzo(k)fluoranthene
Concen: 24.78 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:252 Resp: 407371

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	13.5	8.9	13.3#



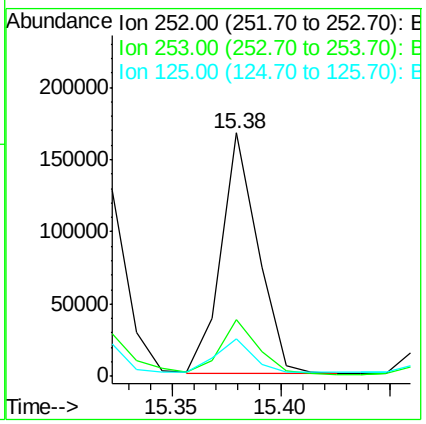


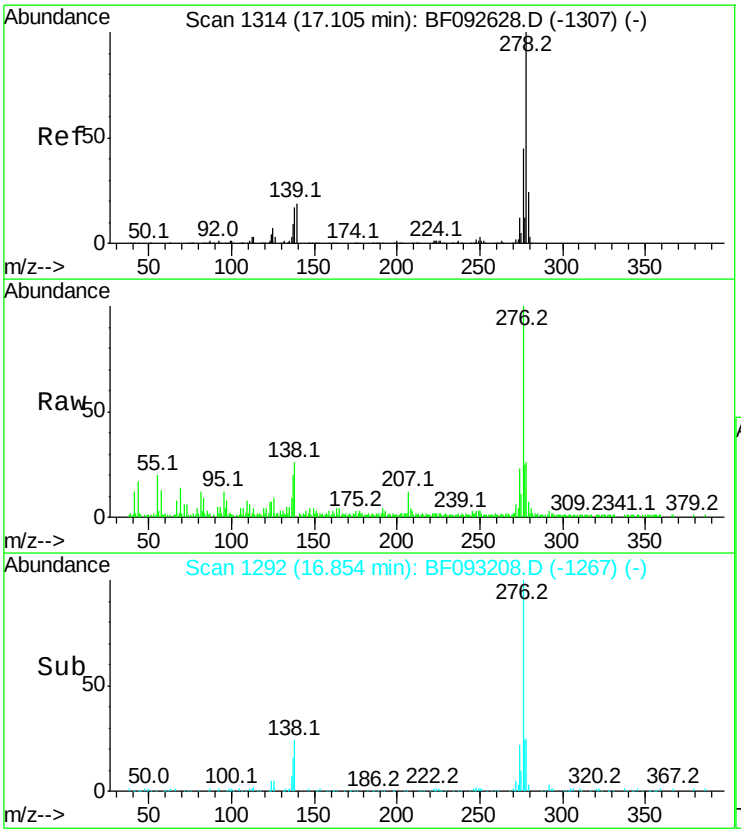
#89
Benzo(a)pyrene
Concen: 11.87 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:252 Resp: 195416

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	15.2	10.0	15.0#

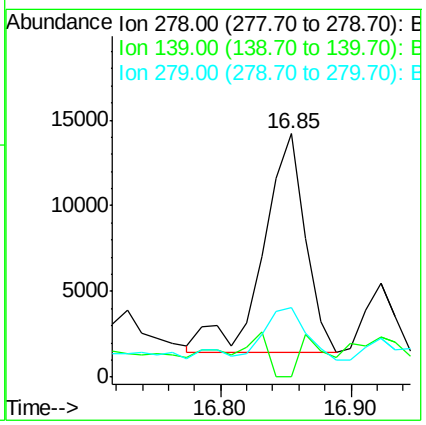


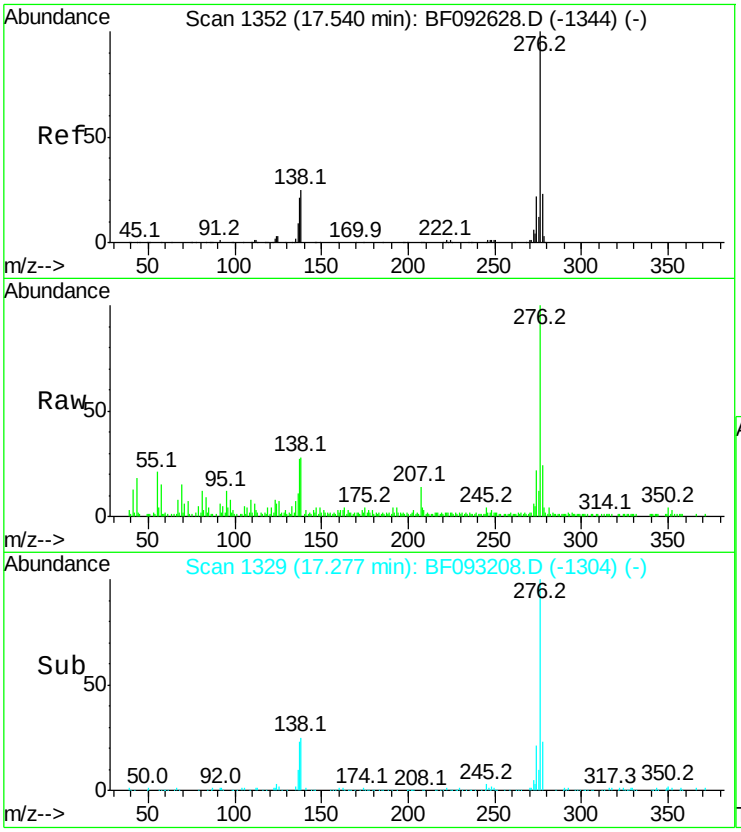


#90
Dibenzo(a,h)anthracene
Concen: 2.18 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion:278 Resp: 29077

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	28.4	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 7.15 ng
RT: 17.28 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tgt Ion:276 Resp: 96122

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	27.8	16.0	24.0#