Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
Data File : BF096466.D
Acq On : 4 Jul 2017 4:09
Operator : SJ/MA
Sample : I3928-02DL 100X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 04 04:37:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	85761	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	318612	20.00	ng		-0.01
38) Acenaphthene-d10	9.76	164	117103	20.00	ng		-0.01
63) Phenanthrene-d10	11.24	188	190911	20.00	ng		-0.01
75) Chrysene-d12	13.87	240	182419	20.00	ng		-0.01
86) Perylene-d12	15.28	264	120446	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	5727	0.99	ng		-0.02
7) Phenol-d6	6.36	99	7397	1.04	ng		-0.02
23) Nitrobenzene-d5	7.28	82	2710	0.51	ng		-0.02
41) 2,4,6-Tribromophenol	10.54	330	670	0.73	ng		-0.02
44) 2-Fluorobiphenyl	9.08	172	6153	0.90	ng		-0.02
78) Terphenyl-d14	12.82	244	5355	0.63	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.03	128	47996	3.19	ng		99
37) 2-Methylnaphthalene	8.72	142	90329	9.43	ng		97
50) 2,6-Dinitrotoluene	9.76	165	17336	8.97	ng	#	36
51) Acenaphthene	9.79	154	23503	3.22	ng		97
57) Fluorene	10.30	166	27392	4.02	ng	#	97
70) Phenanthrene	11.26	178	428078	41.48	ng		98
71) Anthracene	11.32	178	99634	9.47	ng		96
74) Fluoranthene	12.45	202	292766	28.93	ng		98
77) Pyrene	12.67	202	439655	30.03	ng		99
80) Benzo(a)anthracene	13.86	228	175301	16.59	ng		99
82) Chrysene	13.90	228	189058	17.09	ng		96
85) Indeno(1,2,3-cd)pyrene	16.64	276	25041	2.87	ng		97
87) Benzo(b)fluoranthene	14.88	252	96598	12.80	ng	#	95
88) Benzo(k)fluoranthene	14.88	252	96598	14.31	ng		99
89) Benzo(a)pyrene	15.22	252	65194	9.68	ng		96
91) Benzo(g,h,i)perylene	17.05	276	25587	4.66	ng	#	89

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

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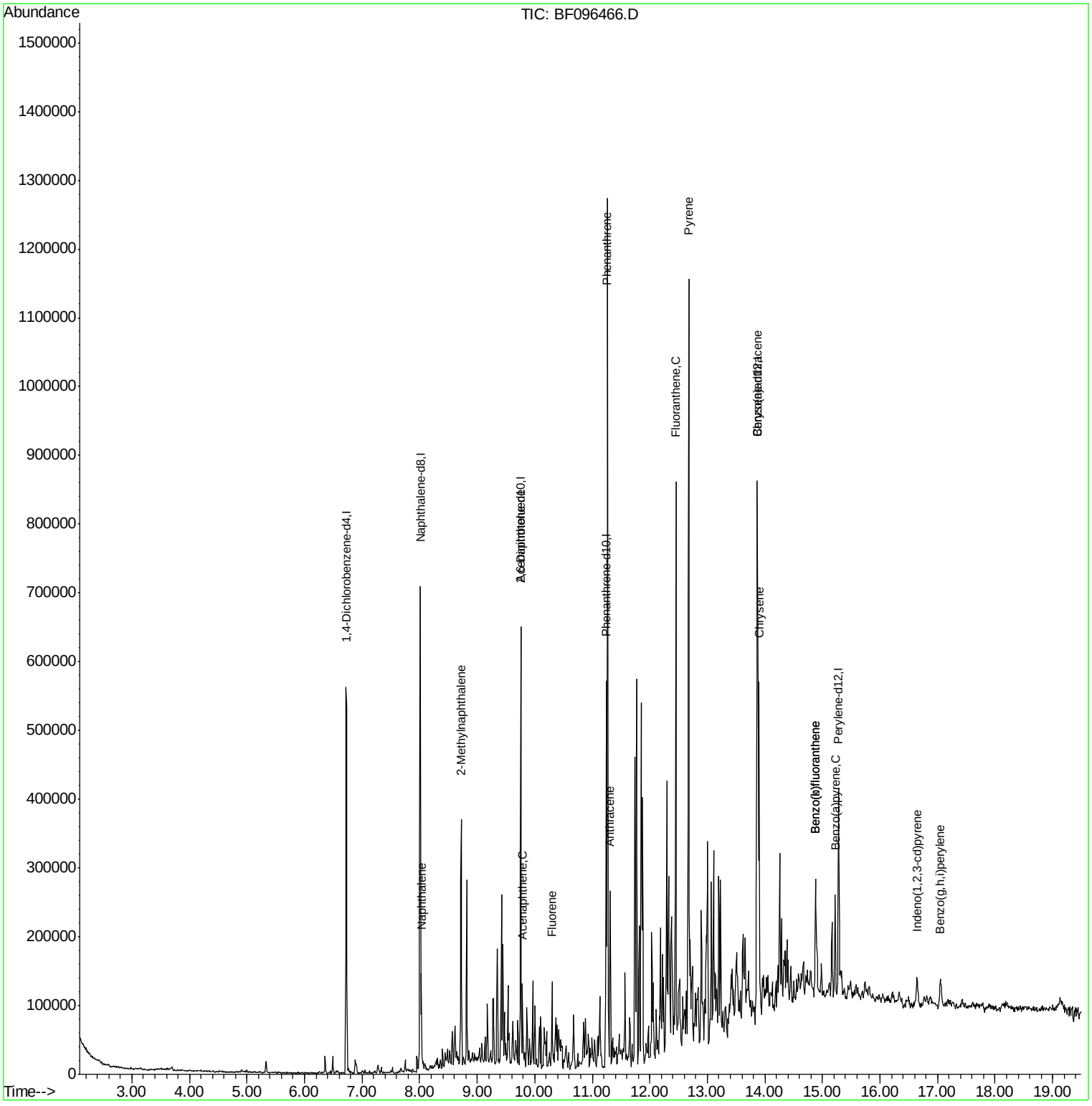
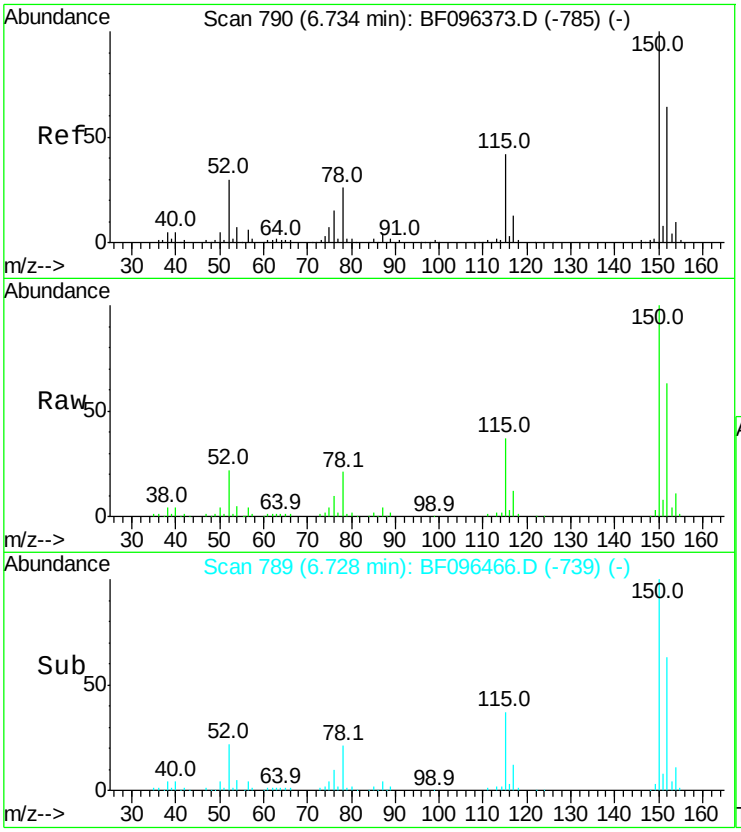


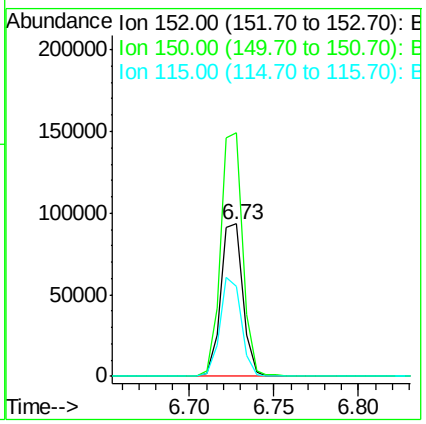


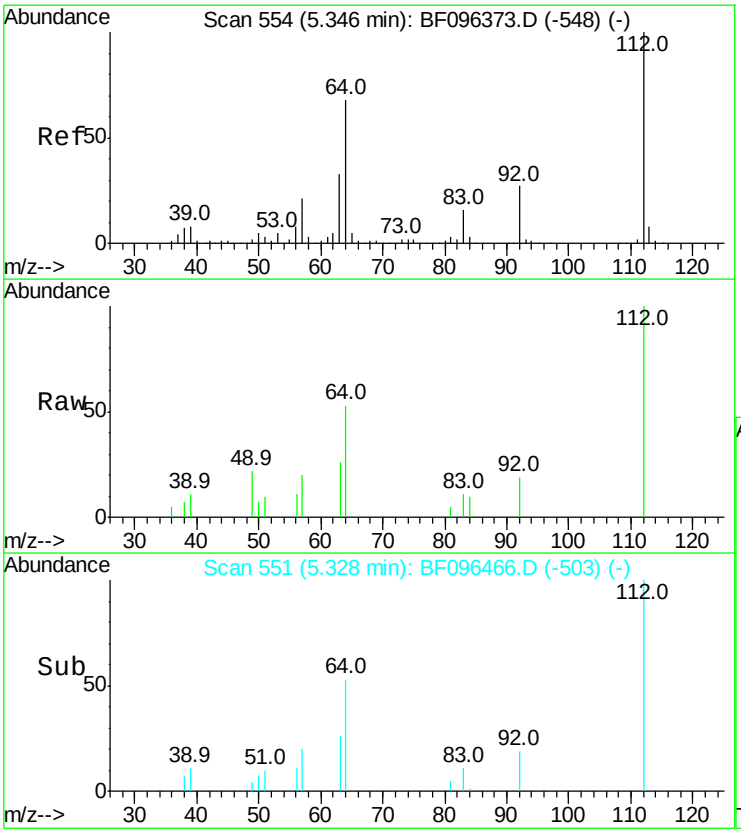
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 85761

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	58.9	52.2	78.2

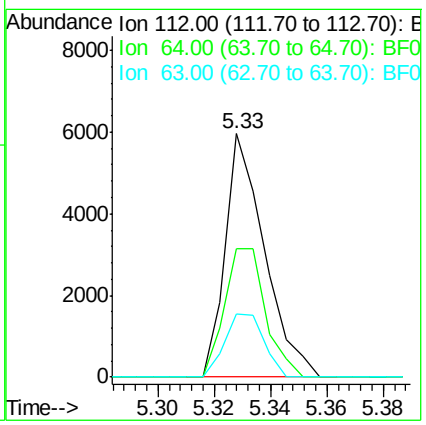


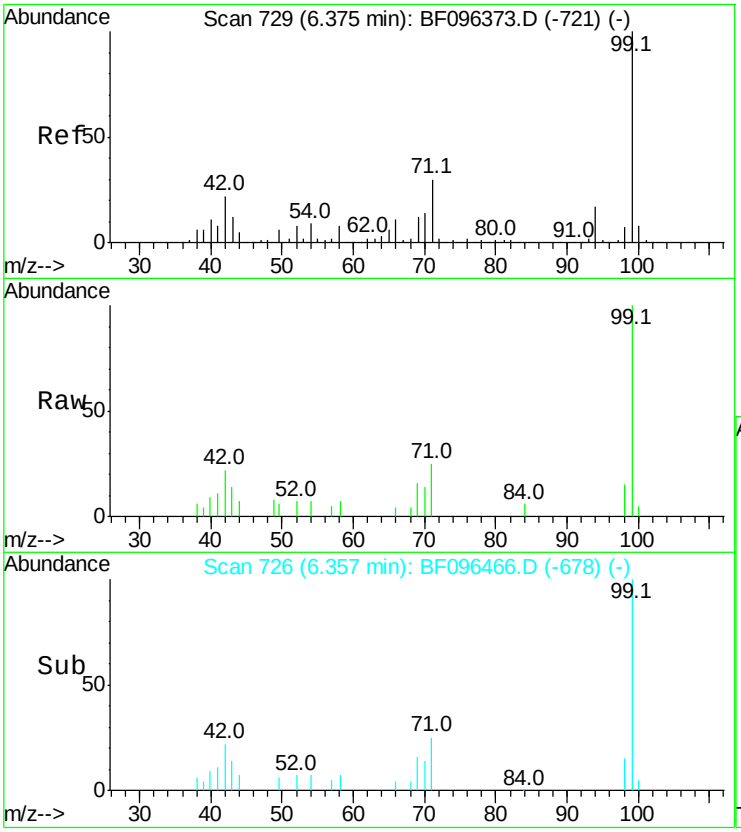


#5
2-Fluorophenol
Concen: 0.99 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:112 Resp: 5727

Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.0	69.0
63	25.9	23.4	35.0



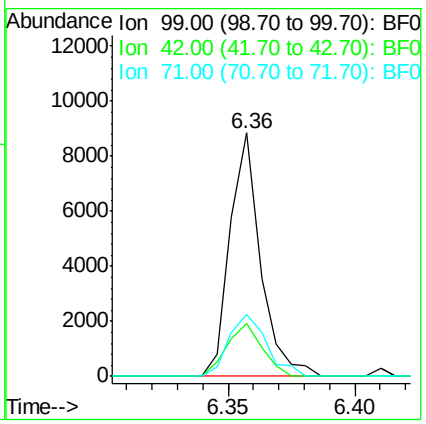


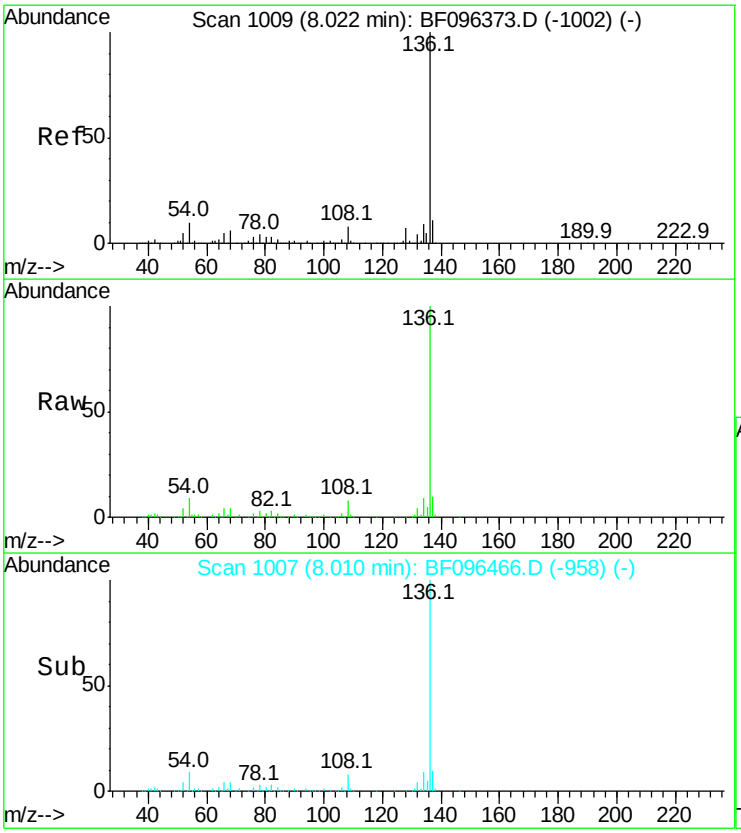
#7
Phenol-d6
Concen: 1.04 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 7397

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	25.4	24.5	36.7

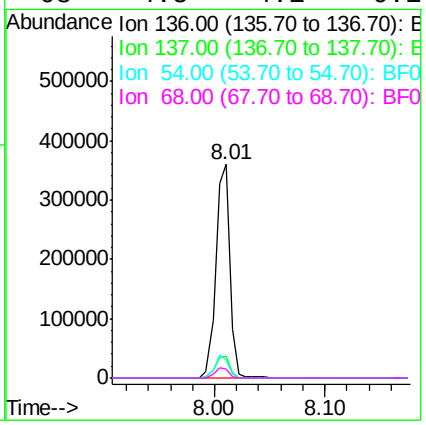


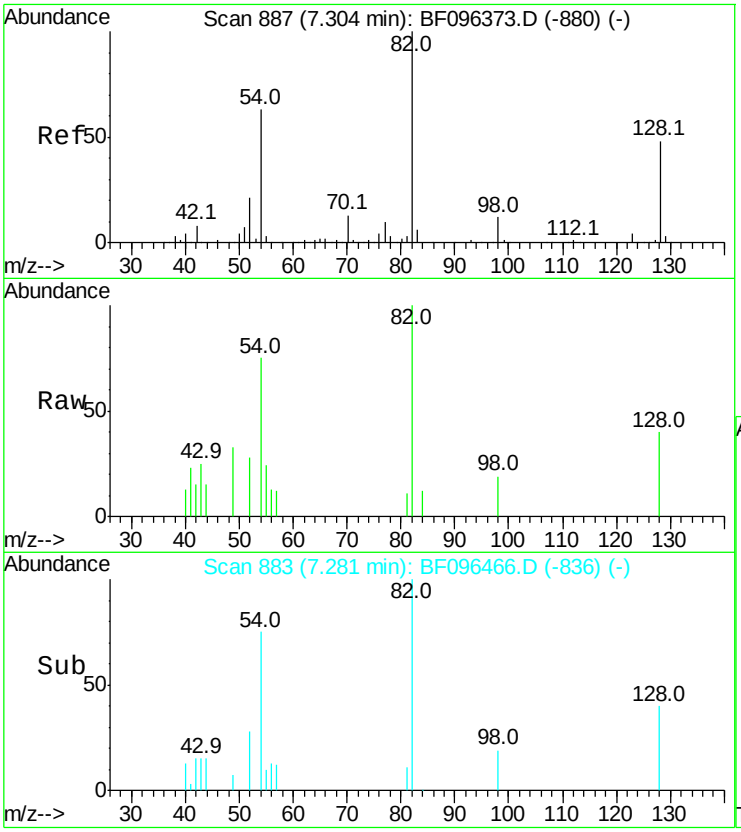


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:136 Resp: 318612

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.5	12.7
54	8.6	4.9	7.3#
68	4.5	4.1	6.1



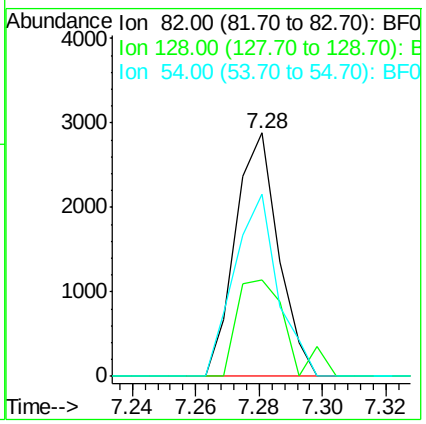


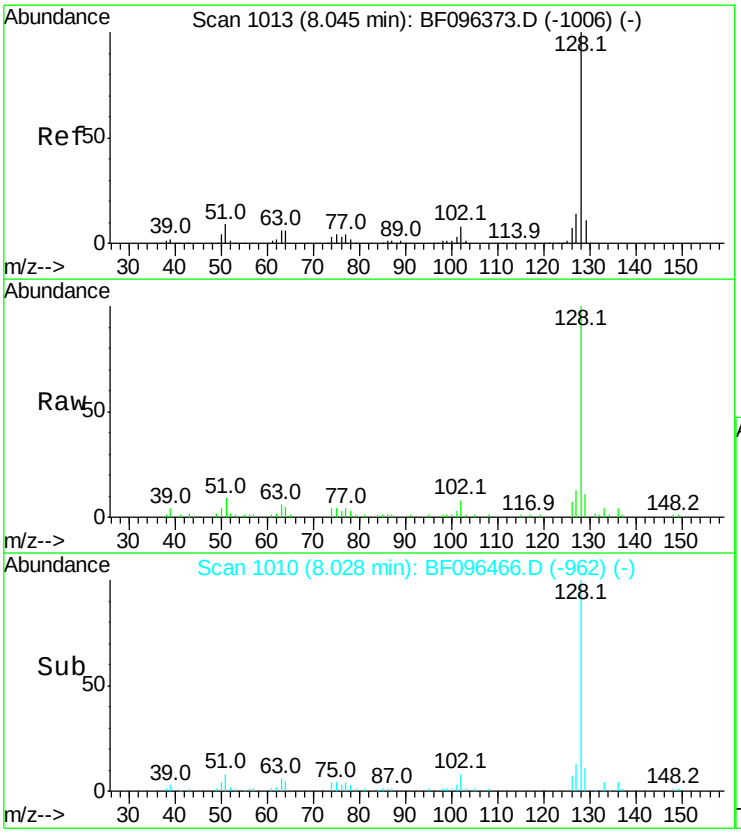
#23
Nitrobenzene-d5
Concen: 0.51 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 2710

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.0	51.0
54	74.6	42.2	63.2#

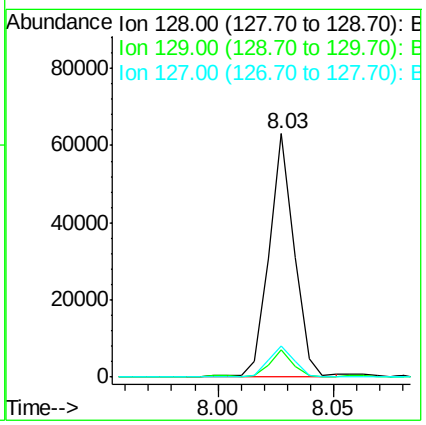


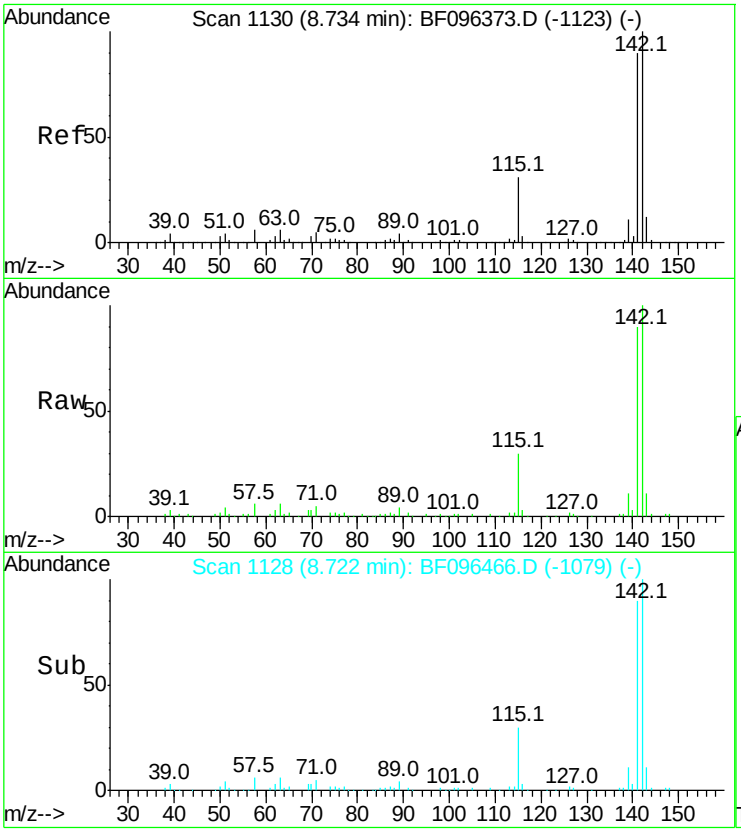


#31
Naphthalene
Concen: 3.19 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:128 Resp: 47996

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.0	10.8	16.2



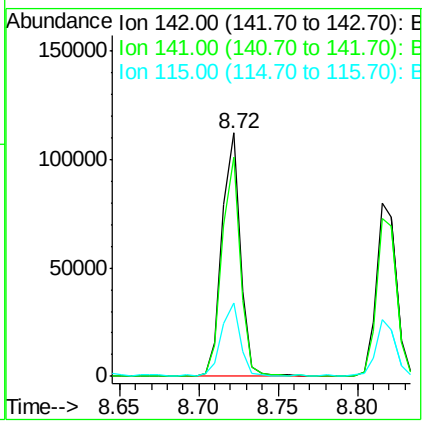


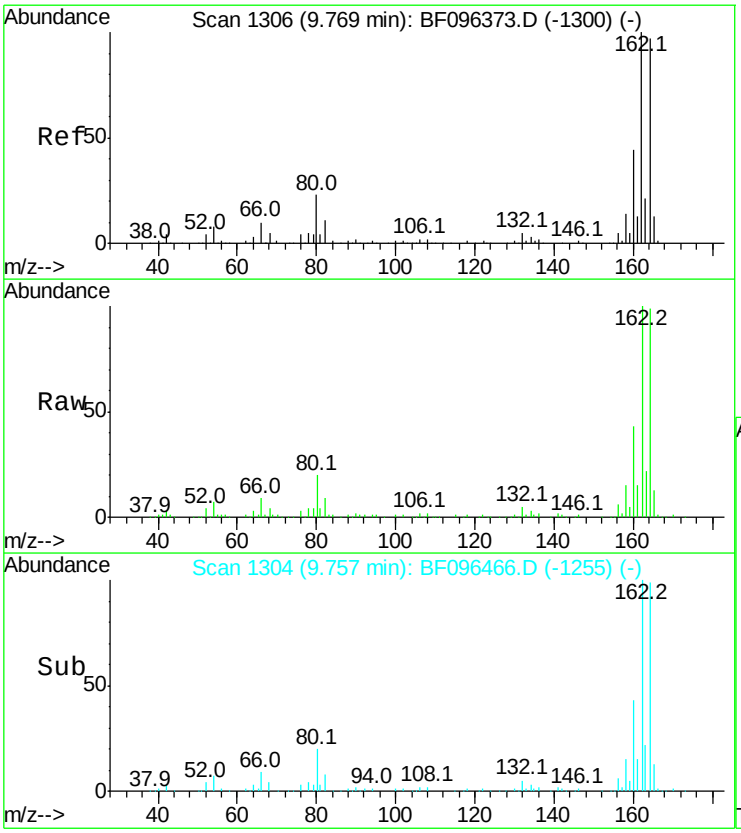
#37
2-Methylnaphthalene
Concen: 9.43 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 90329

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	30.0	27.1	40.7

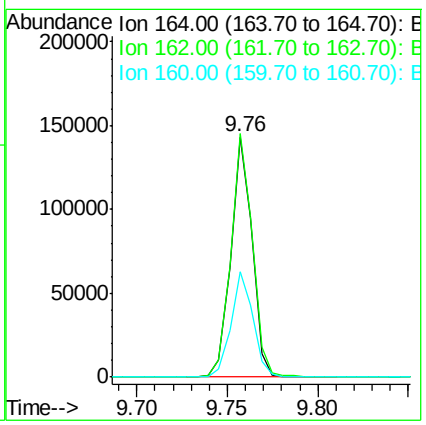


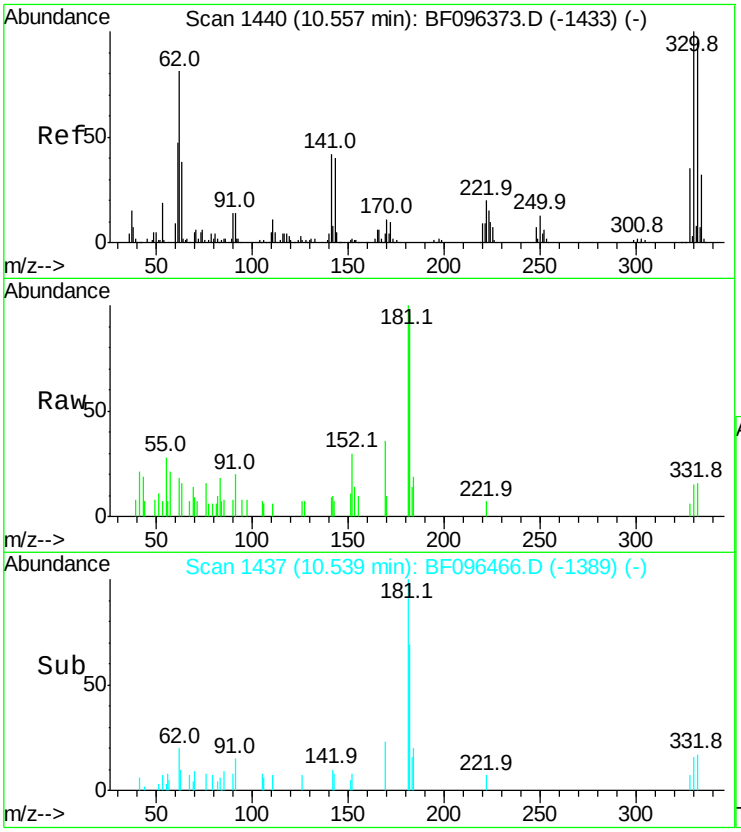


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:164 Resp: 117103

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	123.8
160	43.9	36.2	54.2



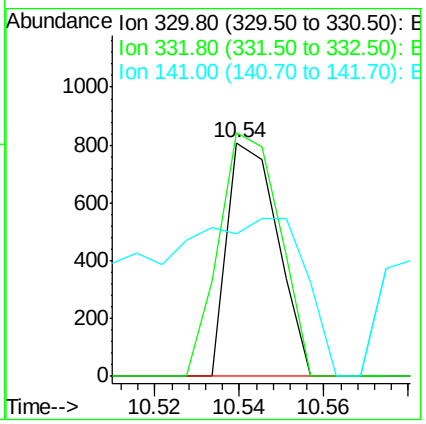


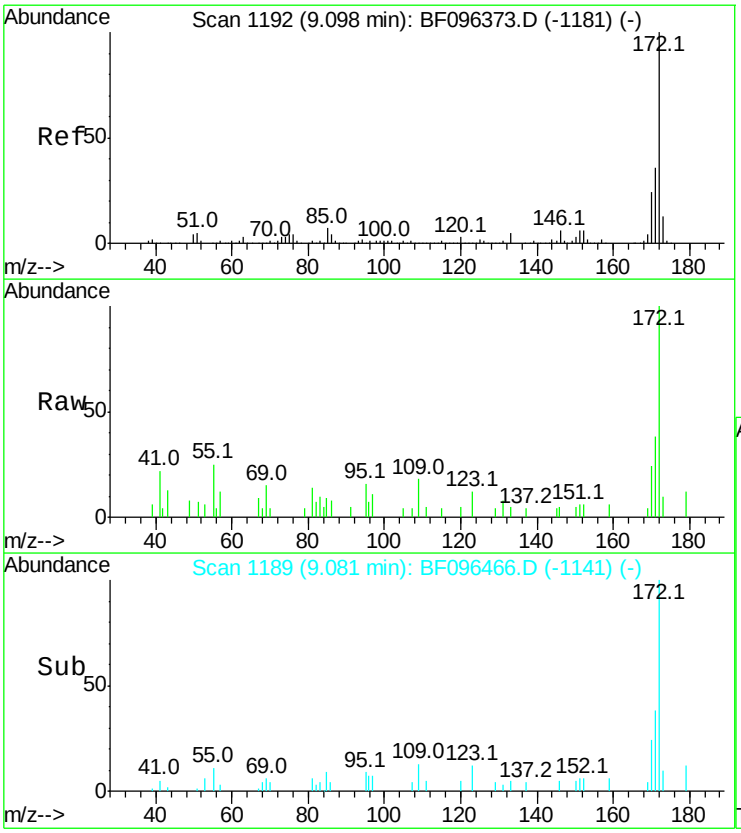
#41
2,4,6-Tribromophenol
Concen: 0.73 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 670

Ion	Ratio	Lower	Upper
330	100		
332	125.5	76.6	115.0#
141	152.5	31.4	47.2#

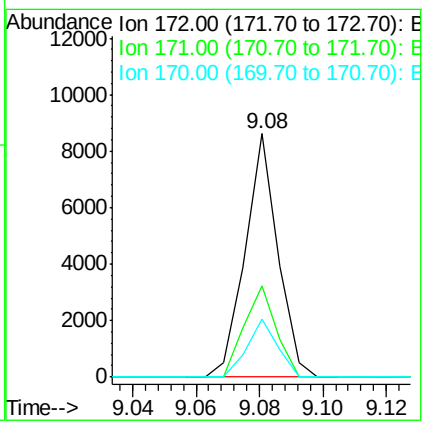


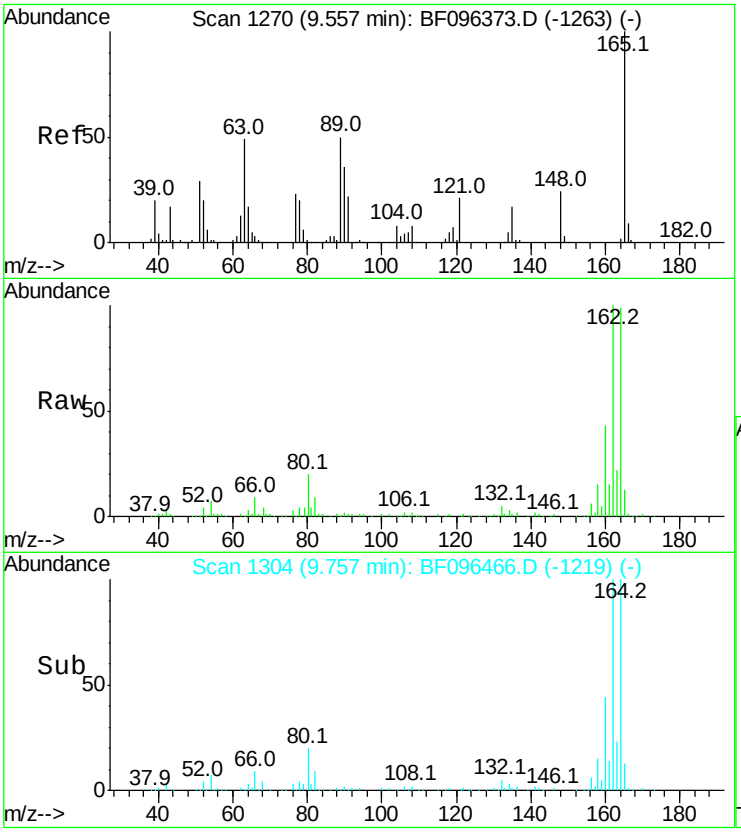


#44
2-Fluorobiphenyl
Concen: 0.90 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:172 Resp: 6153

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.6	44.4
170	23.9	19.8	29.8



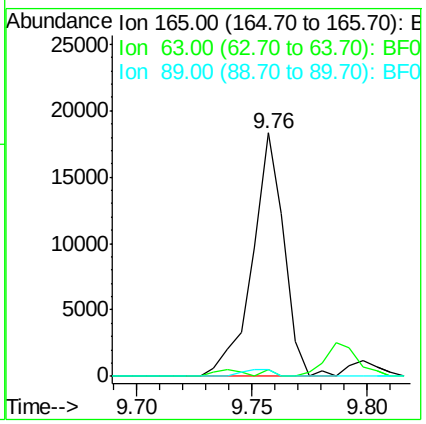


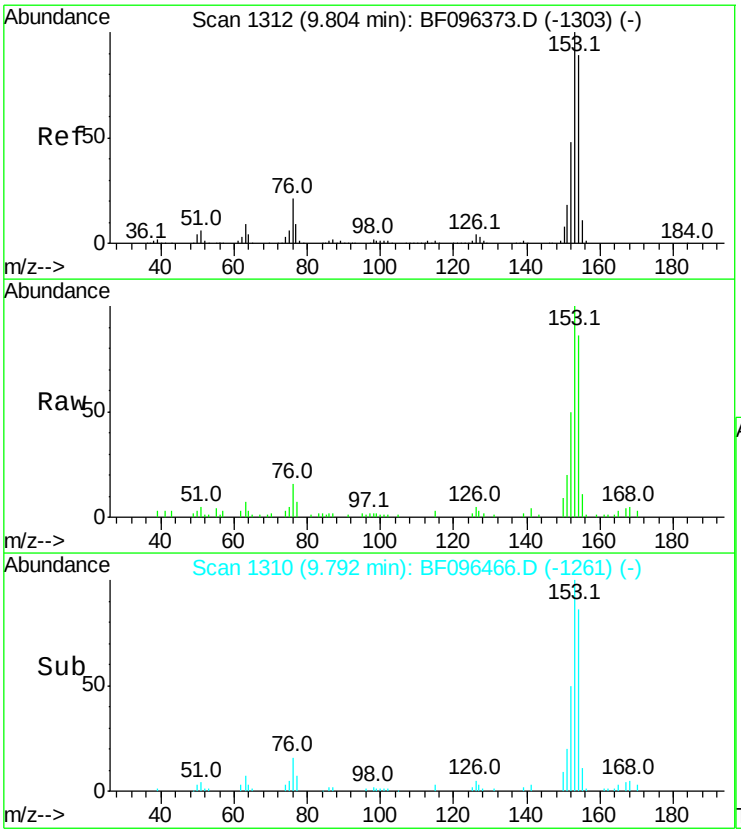
#50
2,6-Dinitrotoluene
Concen: 8.97 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 17336

Ion	Ratio	Lower	Upper
165	100		
63	2.7	34.3	51.5#
89	2.8	37.1	55.7#

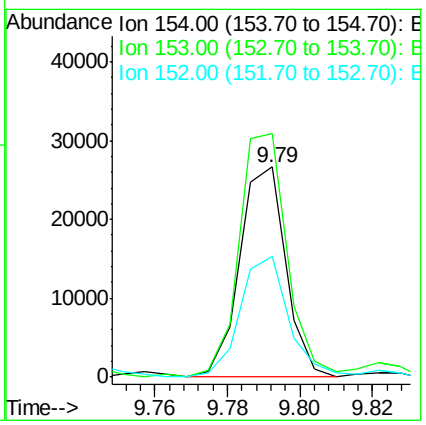


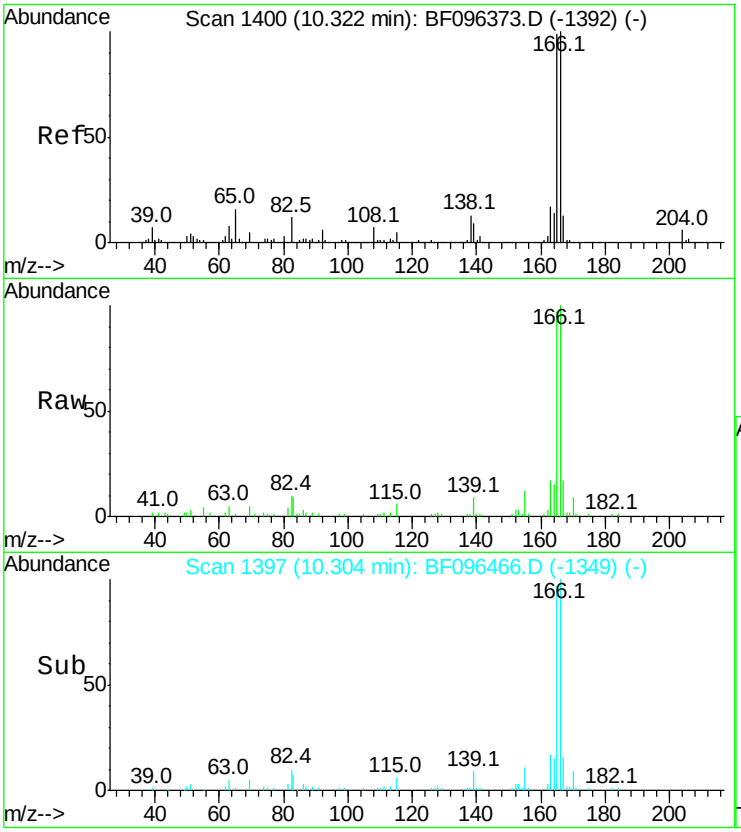


#51
Acenaphthene
Concen: 3.22 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:154 Resp: 23503

Ion	Ratio	Lower	Upper
154	100		
153	116.1	90.5	135.7
152	57.7	43.6	65.4



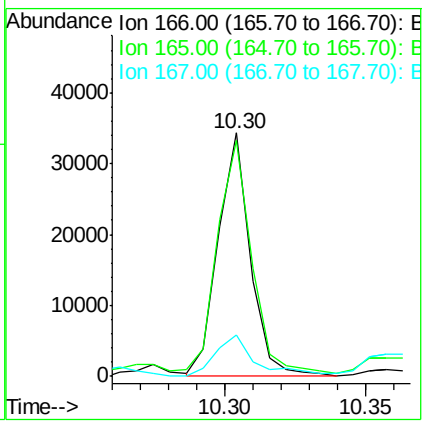


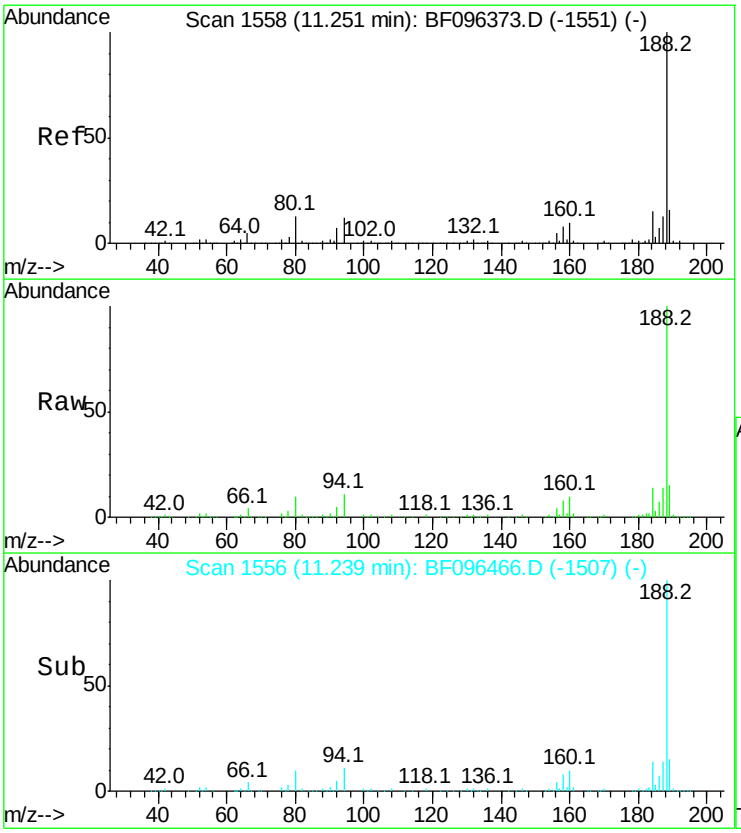
#57
Fluorene
Concen: 4.02 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 27392

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	17.0	10.6	16.0#

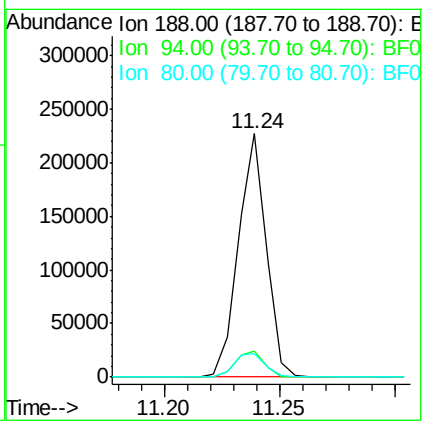


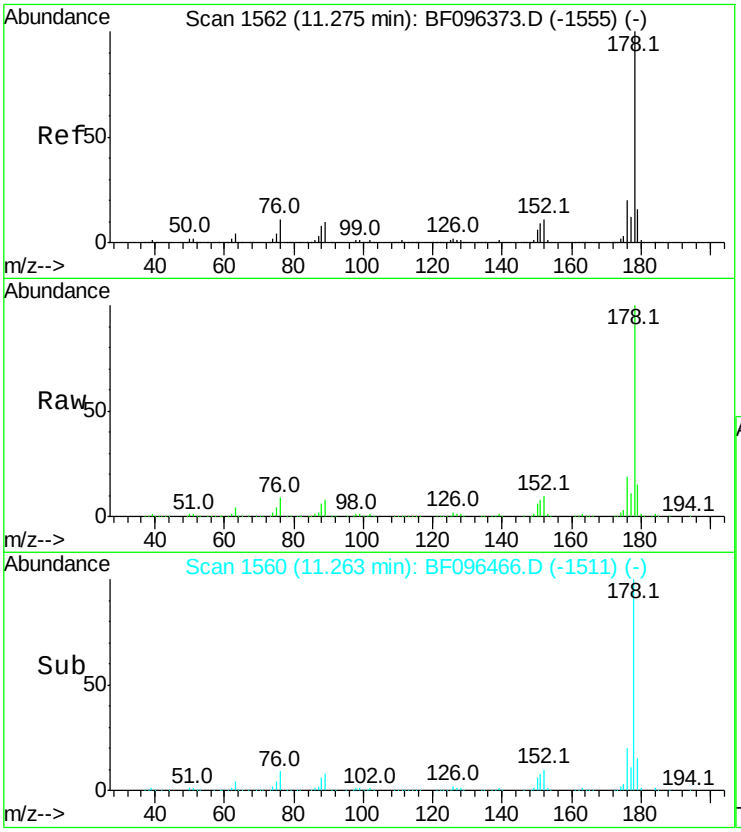


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:188 Resp: 190911

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	9.9	10.2	15.2#



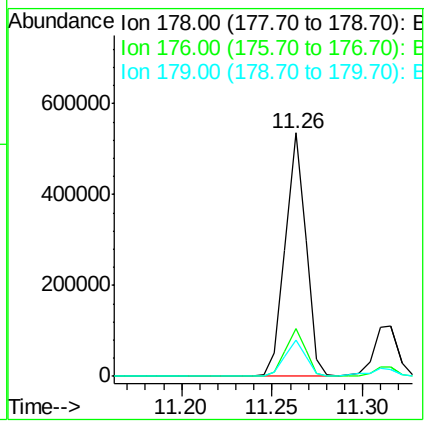


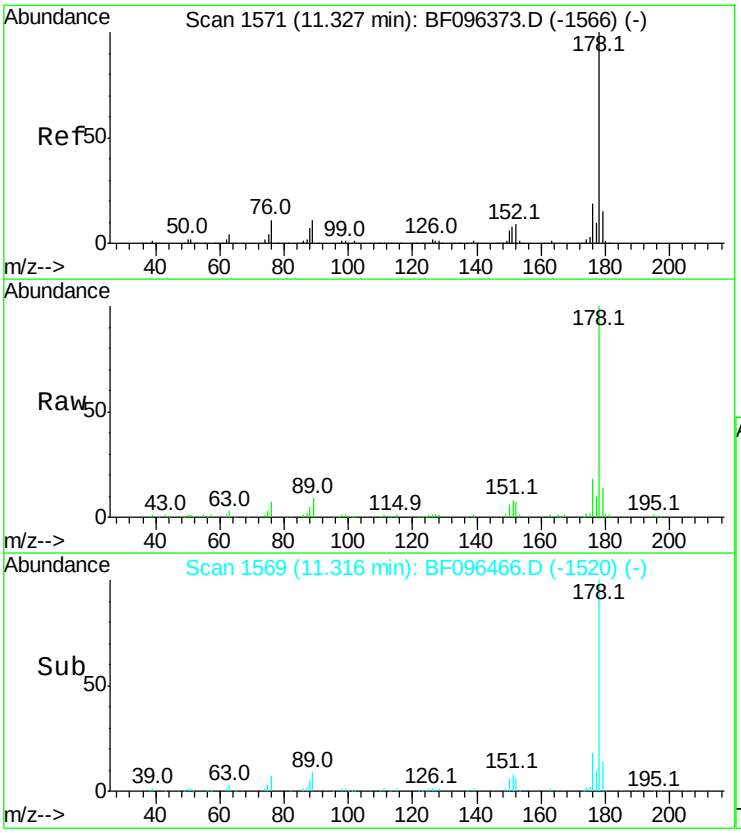
#70
Phenanthrene
Concen: 41.48 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 428078

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.1	12.6	19.0

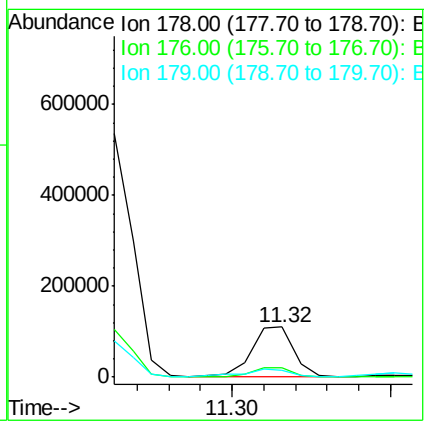


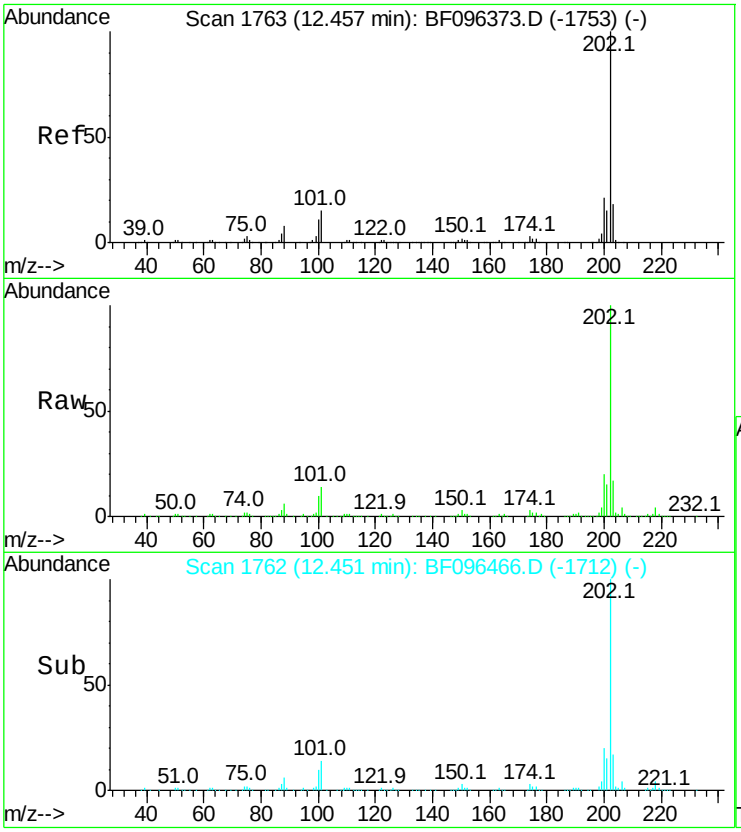


#71
Anthracene
Concen: 9.47 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:178 Resp: 99634

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.3	12.7	19.1



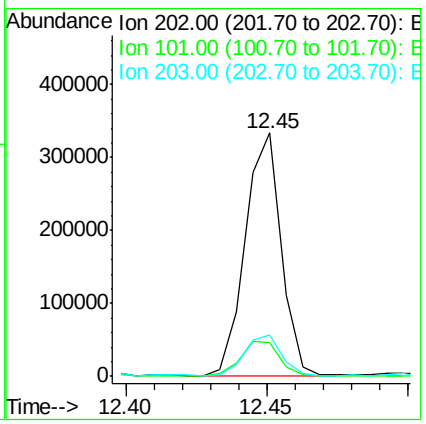


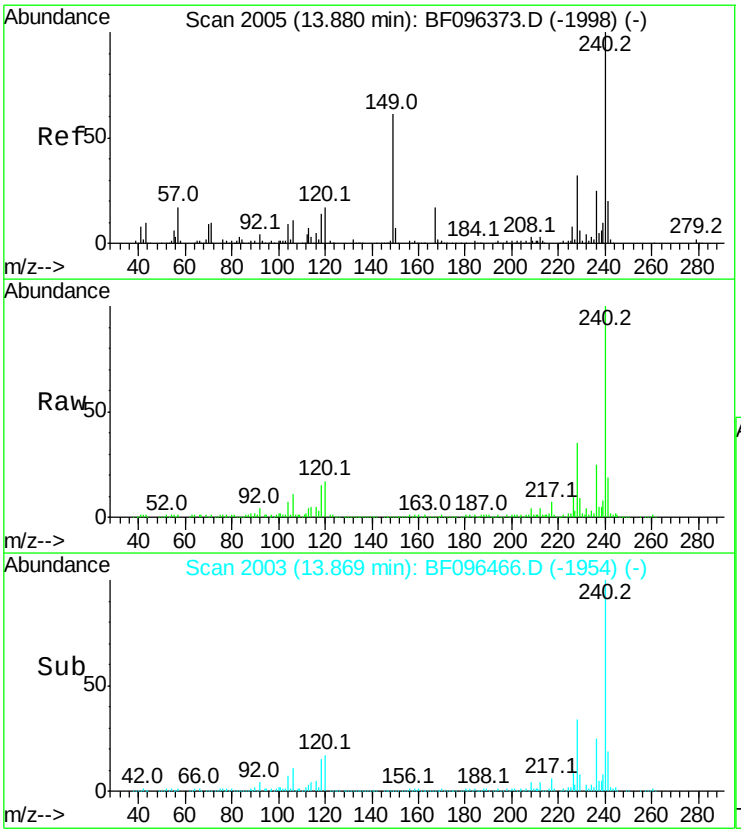
#74
Fluoranthene
Concen: 28.93 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 292766

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	16.8	0.0	38.1

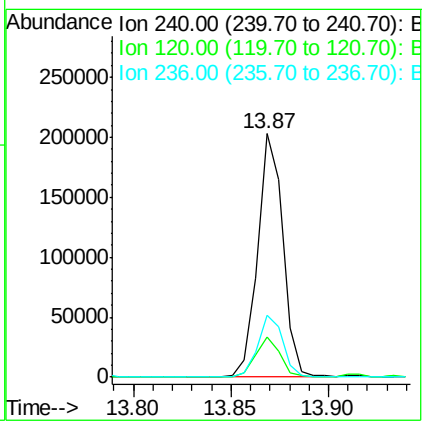


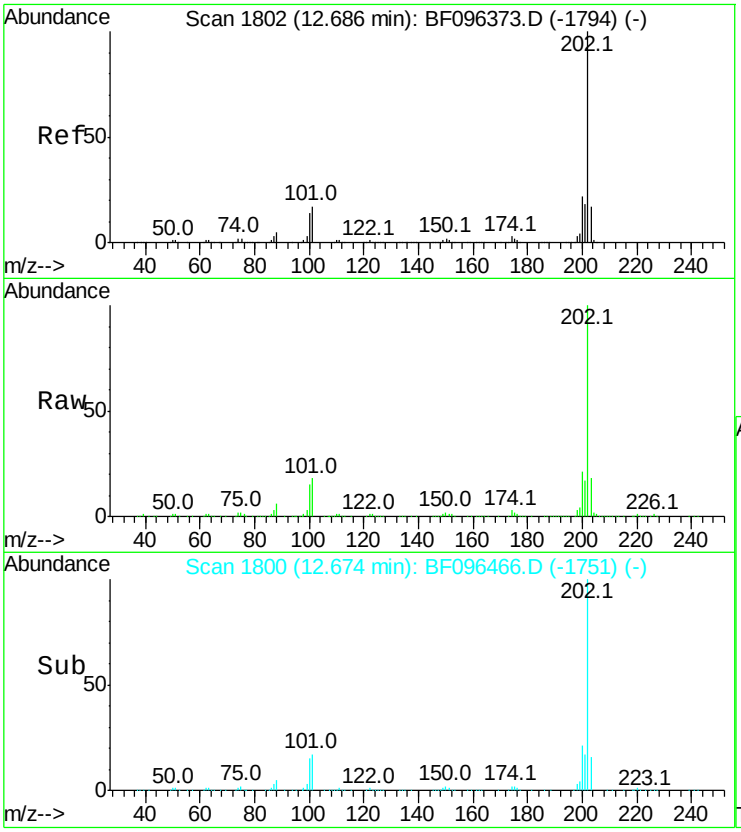


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:240 Resp: 182419

Ion	Ratio	Lower	Upper
240	100		
120	16.6	5.8	8.8#
236	25.2	20.5	30.7



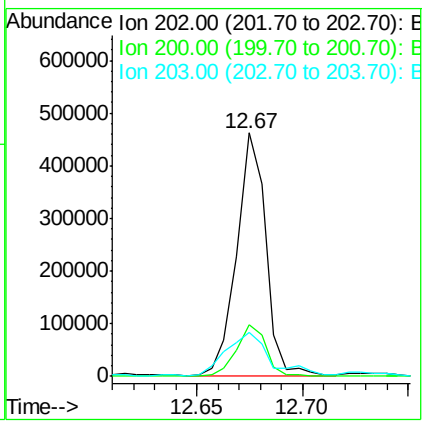


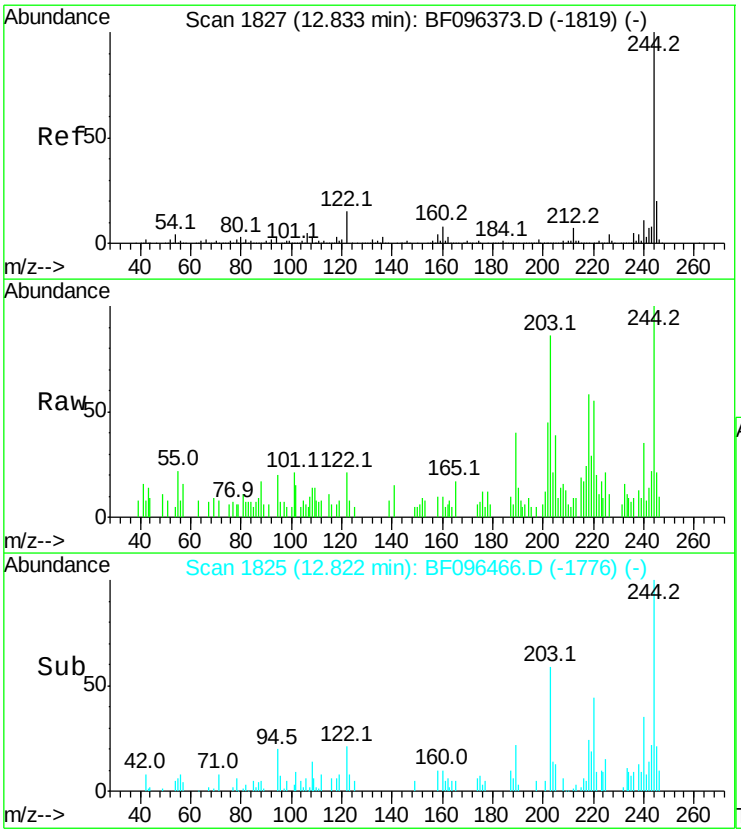
#77
Pyrene
Concen: 30.03 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 439655

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.1	14.4	21.6

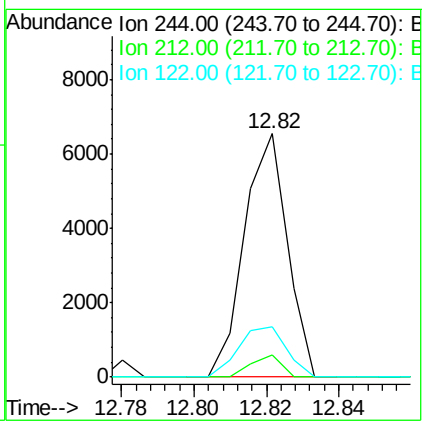


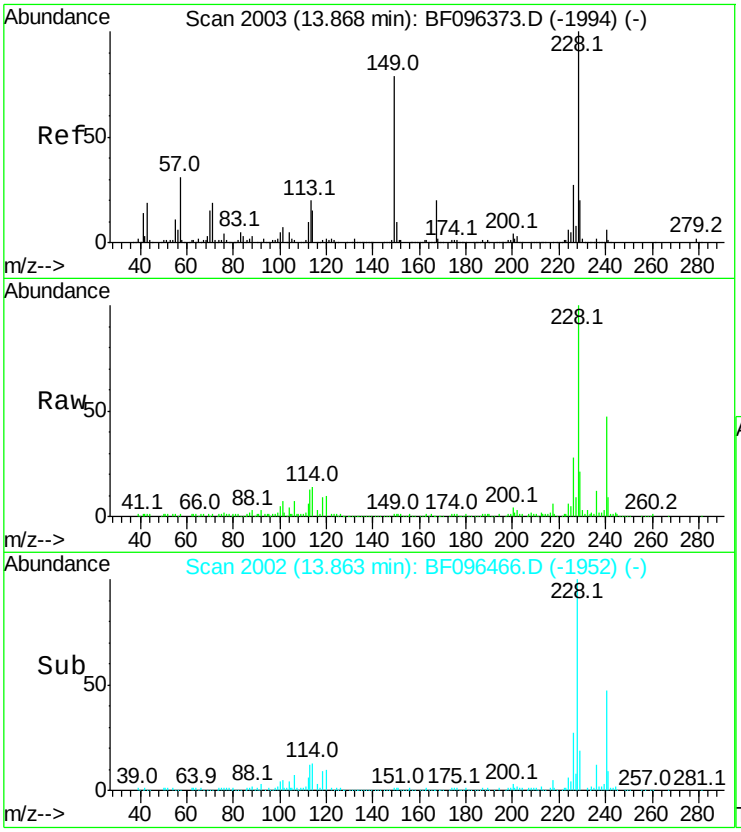


#78
Terphenyl-d14
Concen: 0.63 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:244 Resp: 5355

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.0	9.0#
122	20.7	10.3	15.5#



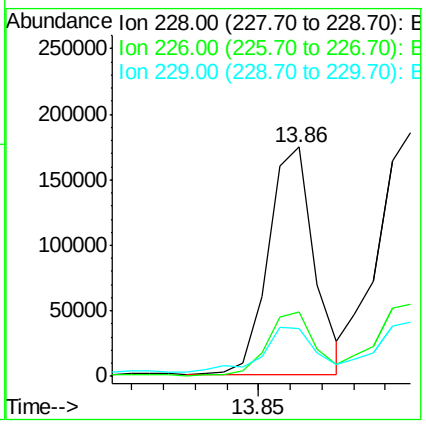


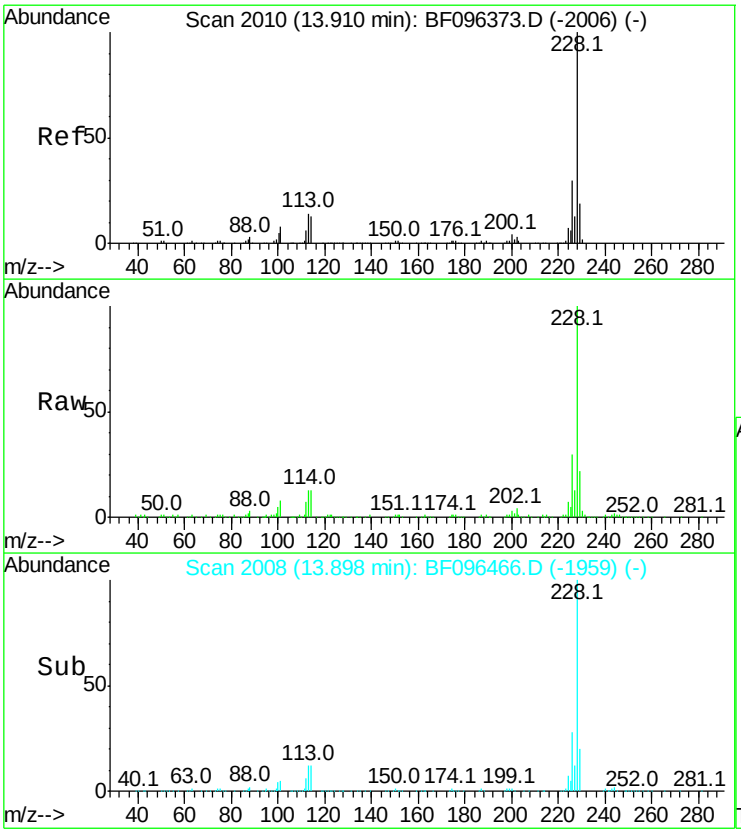
#80
Benzo(a)anthracene
Concen: 16.59 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 175301

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.0	16.3	24.5

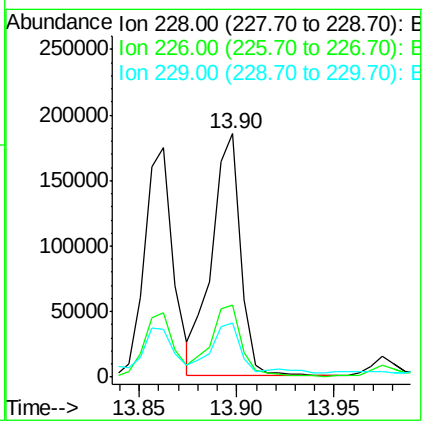


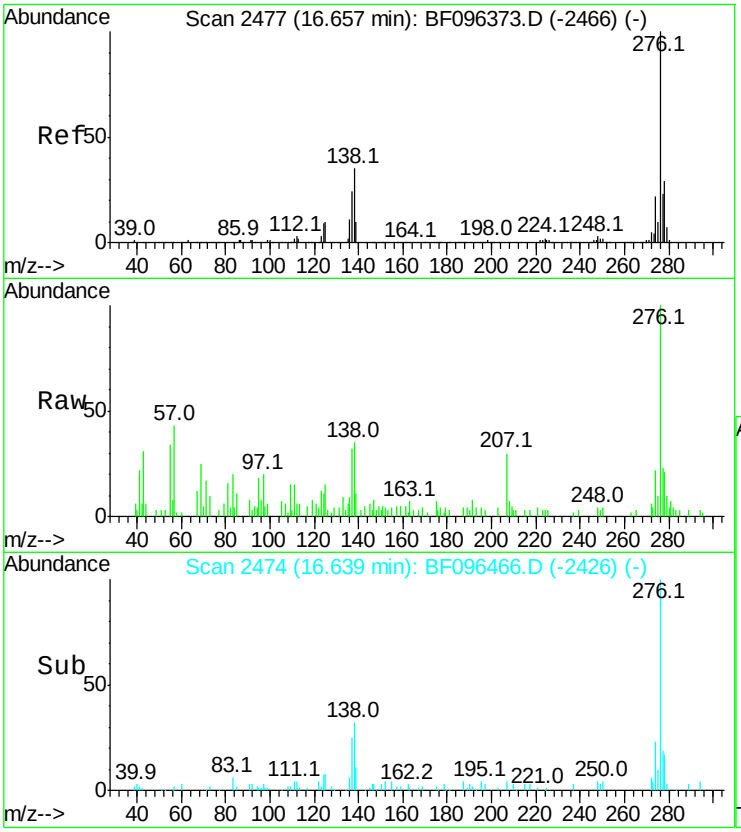


#82
Chrysene
Concen: 17.09 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:228 Resp: 189058

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	22.1	15.8	23.6



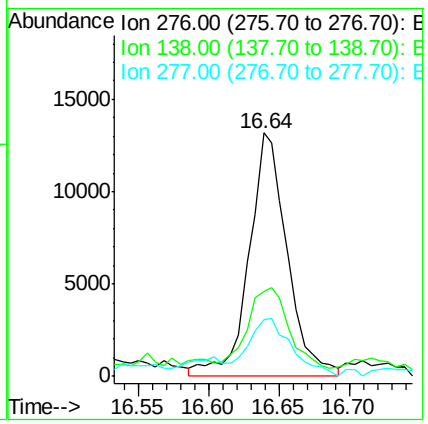


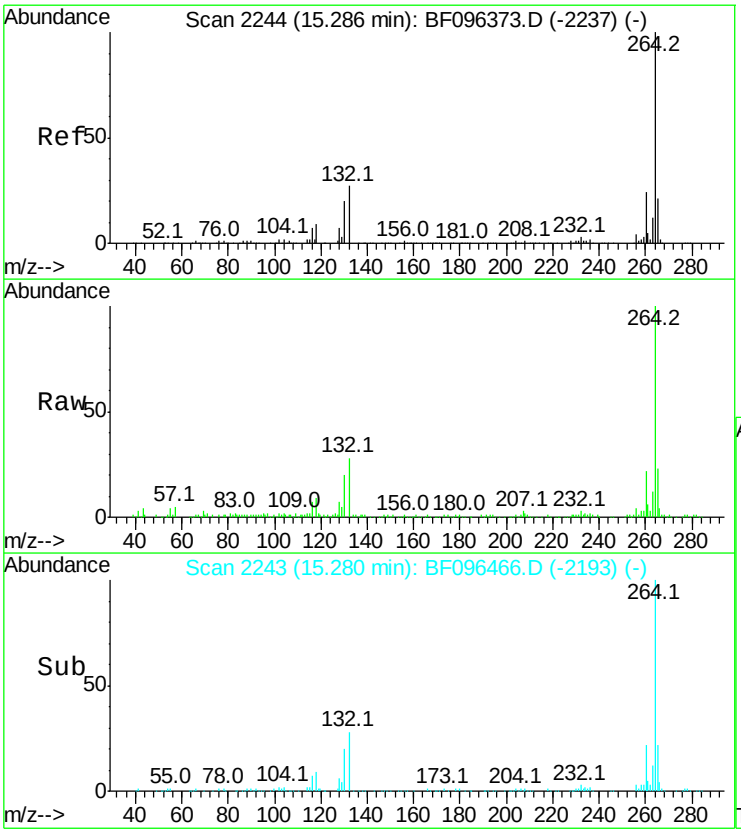
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.87 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 25041

Ion	Ratio	Lower	Upper
276	100		
138	36.1	27.8	41.6
277	27.7	20.2	30.4

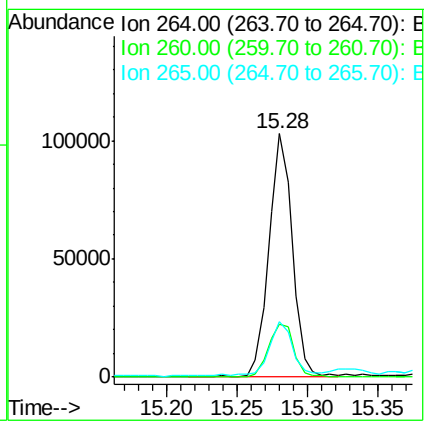


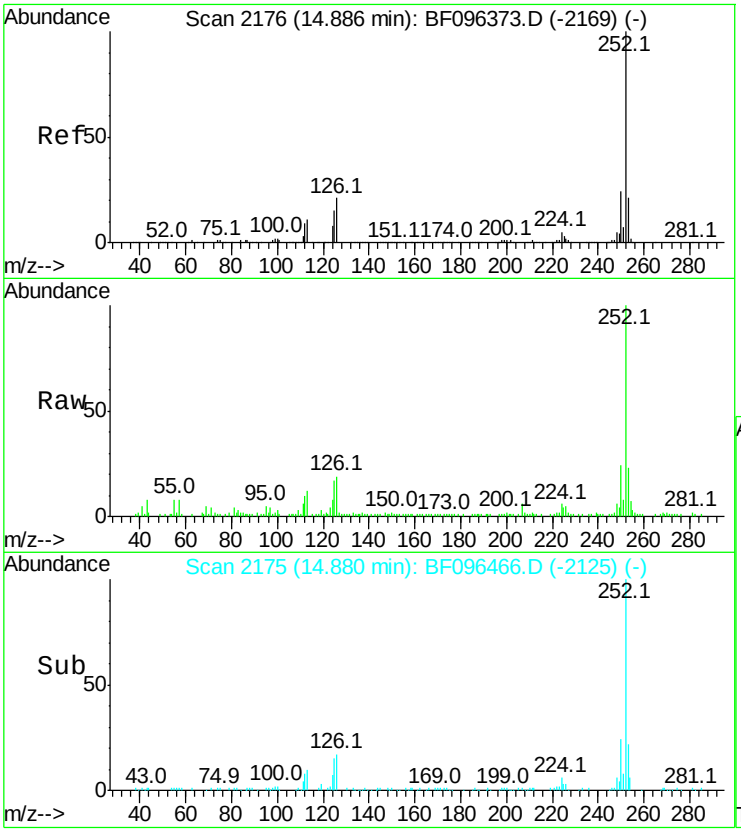


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:264 Resp: 120446

Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.5	29.3
265	22.7	17.2	25.8



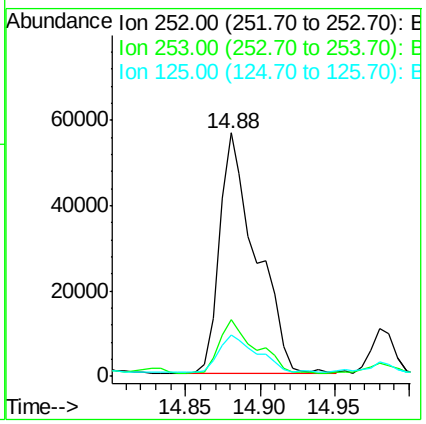


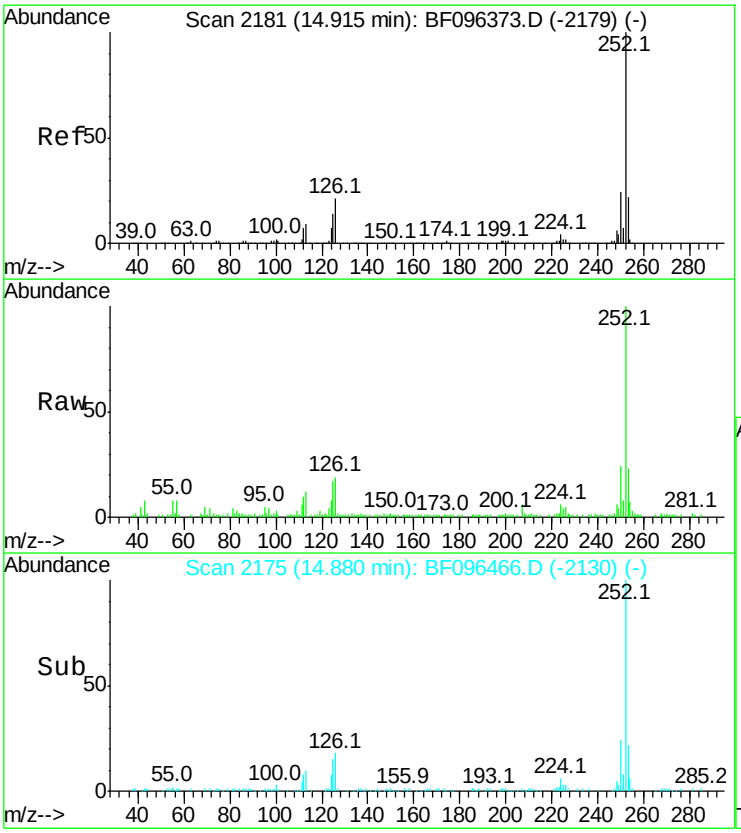
#87
Benzo(b)fluoranthene
Concen: 12.80 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 96598

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.2	9.8	14.8#

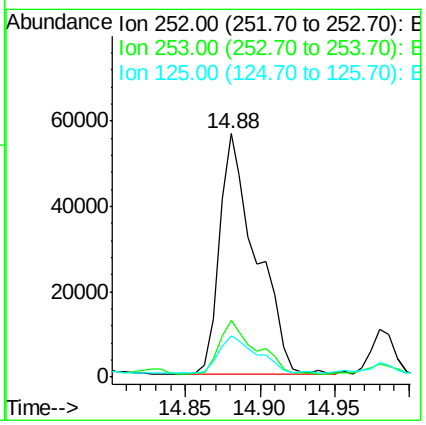


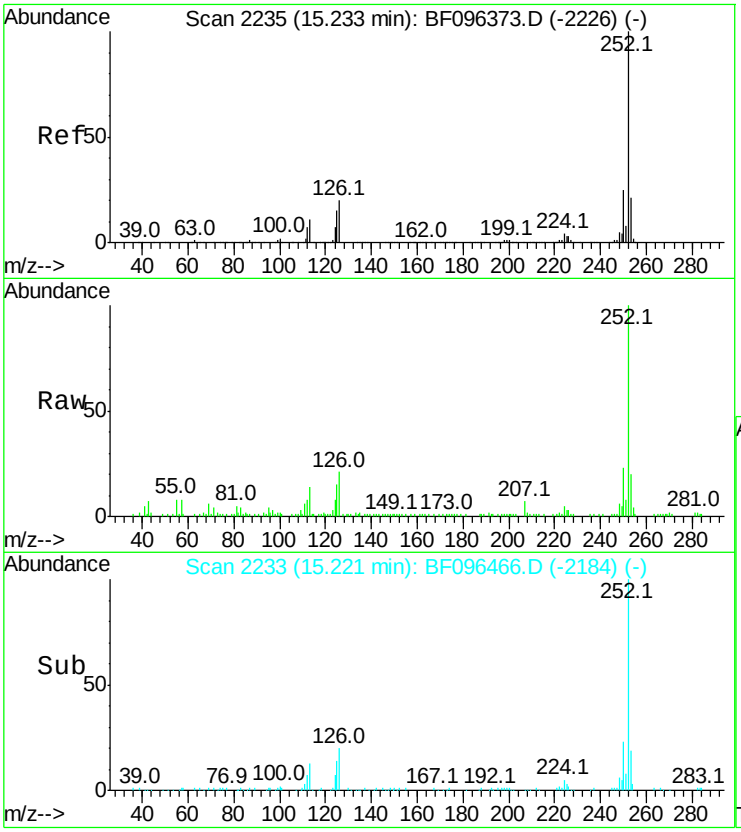


#88
Benzo(k)fluoranthene
Concen: 14.31 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:252 Resp: 96598

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	17.2	13.1	19.7



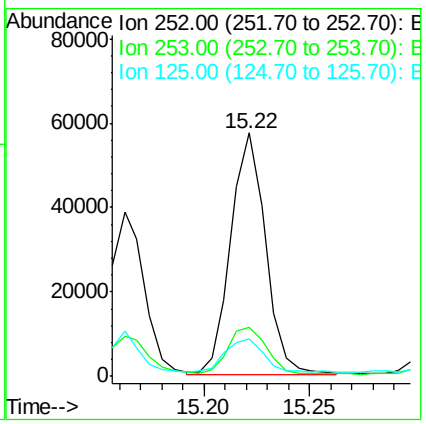


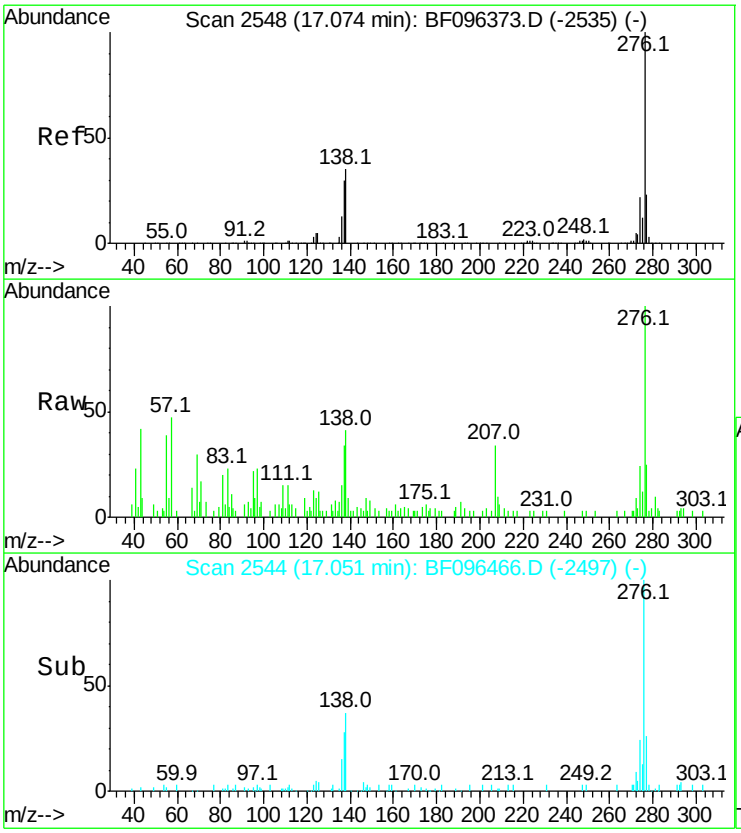
#89
Benzo(a)pyrene
Concen: 9.68 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 65194

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.5	26.3
125	15.4	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 4.66 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion:276 Resp: 25587

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	40.6	25.4	38.0#