Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097729.D
Acq On : 16 Aug 2017 9:40
Operator : SJ/JU
Sample : I4703-08
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-H10-BASE

Manual Integrations APPROVED
Sohil
8/16/2017 6:49:31 PM

Quant Time: Aug 16 12:19:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	144783	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	558642	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	223803	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	332710	20.00	ng	0.00
75) Chrysene-d12	13.94	240	299193	20.00	ng	0.00
86) Perylene-d12	15.37	264	231223	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	907178	95.31	ng	0.00
7) Phenol-d6	6.42	99	1224580	94.69	ng	0.00
23) Nitrobenzene-d5	7.35	82	738206	71.79	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	155075	79.86	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	841598	55.25	ng	0.00
78) Terphenyl-d14	12.89	244	519946	36.24	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.43	94	39150	2.588	ng	86
31) Naphthalene	8.09	128	122373	4.219	ng	100
37) 2-Methylnaphthalene	8.78	142	39648	2.230	ng	95
48) Acenaphthylene	9.68	152	63555	2.684	ng	97
49) Dimethylphthalate	9.54	163	240277	14.687	ng	99
51) Acenaphthene	9.85	154	33524	2.245	ng	98
57) Fluorene	10.37	166	44432	2.871	ng	96
70) Phenanthrene	11.33	178	440000	24.818	ng	100
71) Anthracene	11.38	178	122952	6.837	ng	98
72) Carbazole	11.53	167	51263	3.003	ng	97
74) Fluoranthene	12.52	202	607641	32.836	ng	99
77) Pyrene	12.74	202	627018	25.623	ng	98
80) Benzo(a)anthracene	13.93	228	399189m	22.261	ng	
82) Chrysene	13.97	228	354923	19.897	ng	97
85) Indeno(1,2,3-cd)pyrene	16.77	276	200631m	15.289	ng	
87) Benzo(b)fluoranthene	14.96	252	475506m	32.625	ng	
88) Benzo(k)fluoranthene	14.99	252	164555m	12.017	ng	
89) Benzo(a)pyrene	15.32	252	365530	28.330	ng	98
90) Dibenzo(a,h)anthracene	16.79	278	48371m	4.605	ng	
91) Benzo(g,h,i)perylene	17.20	276	203025m	18.524	ng	

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

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BNA_F
ClientSampleId :
E2-H10-BASE

Manual Integrations APPROVED
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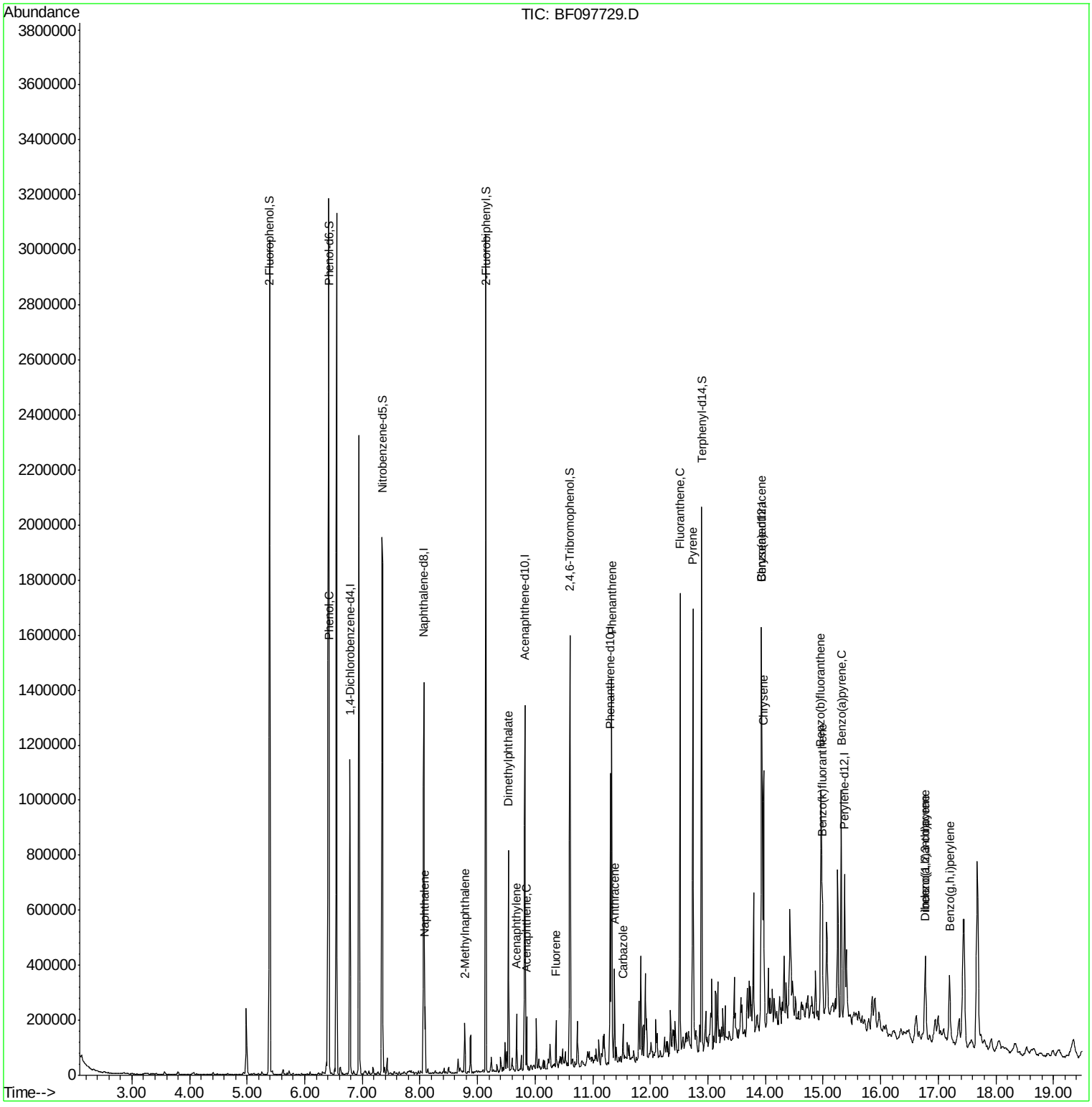
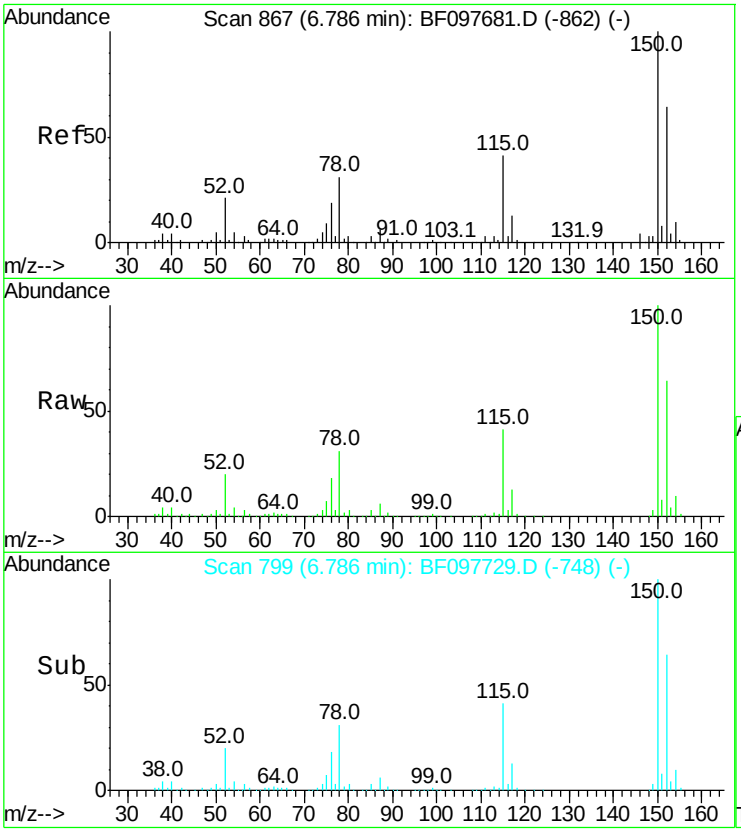
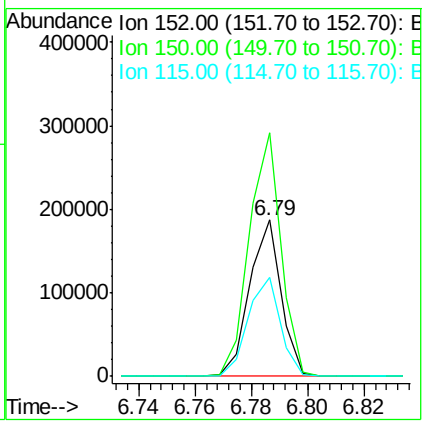




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:152 Resp: 144783

Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	63.0	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

Manual Integrations APPROVED
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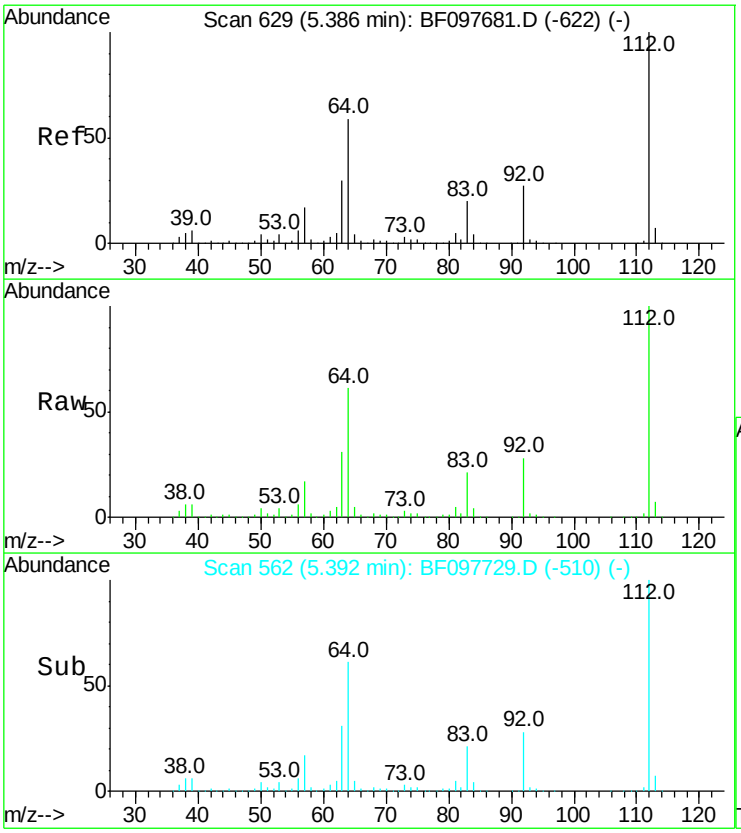
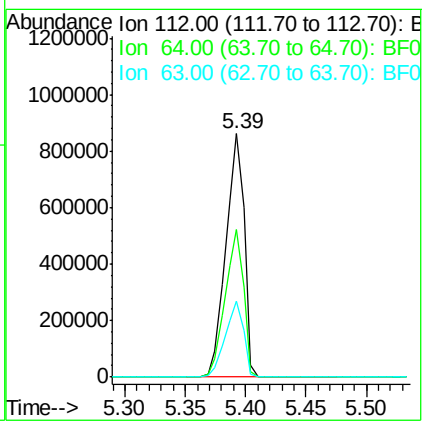
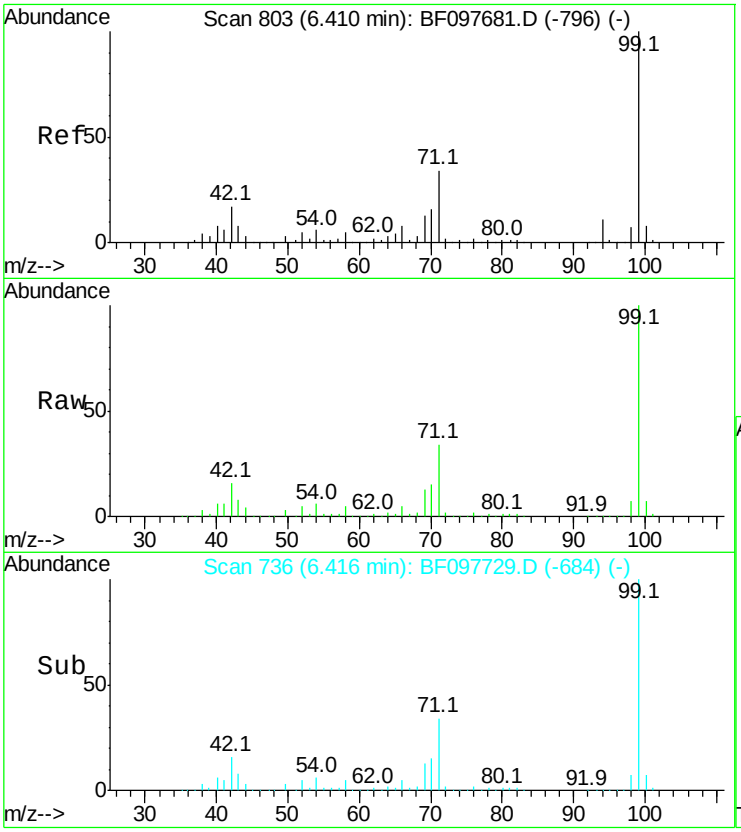


#5
2-Fluorophenol
Concen: 95.307 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:112 Resp: 907178

Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.0	69.0
63	31.3	23.4	35.0

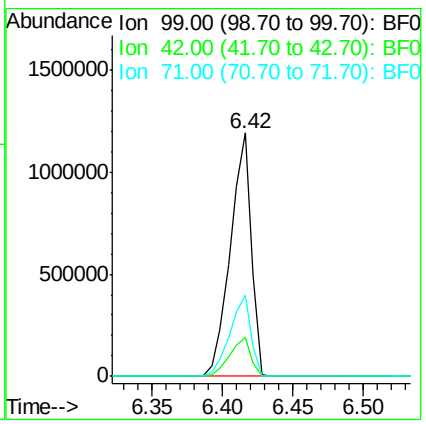




#7
Phenol-d6
Concen: 94.687 ng
RT: 6.42 min Scan# 736
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion: 99 Resp: 1224580

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	33.6	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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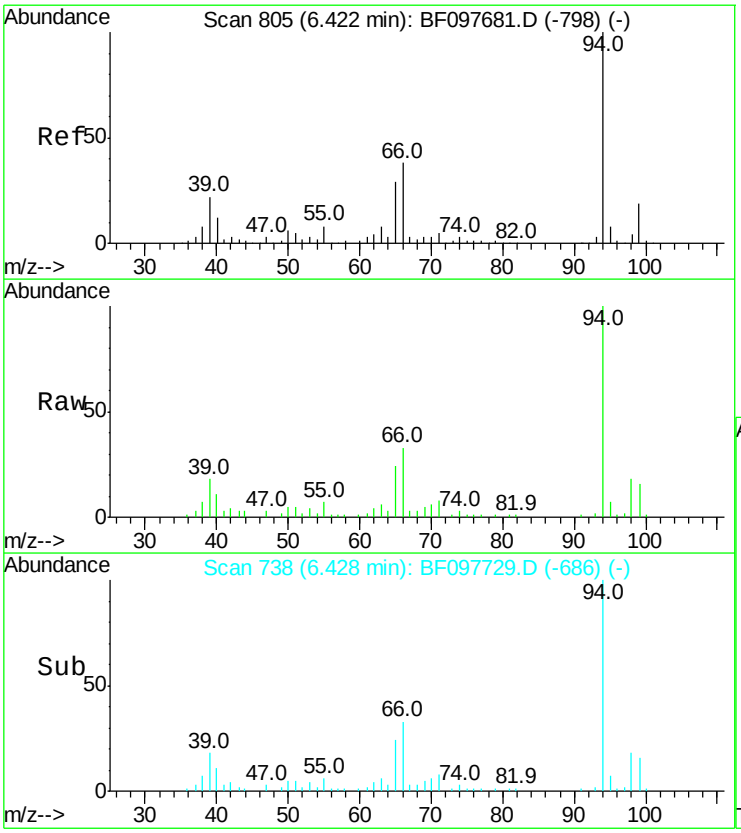
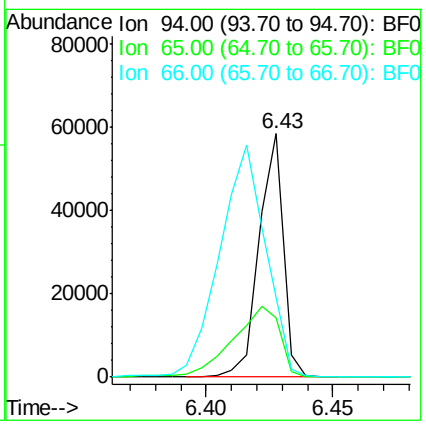
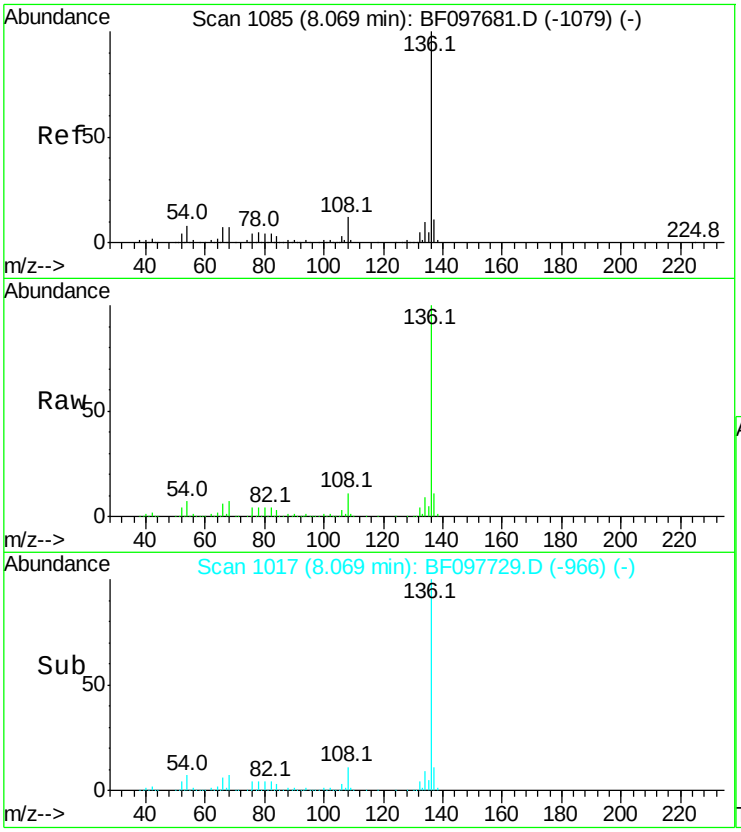


#10
Phenol
Concen: 2.588 ng
RT: 6.43 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion: 94 Resp: 39150

Ion	Ratio	Lower	Upper
94	100		
65	24.1	9.9	49.9
66	32.8	23.1	63.1

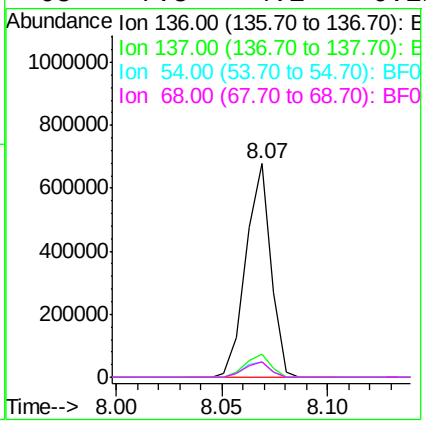




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:136 Resp: 558642

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.5	4.9	7.3#
68	7.3	4.1	6.1#



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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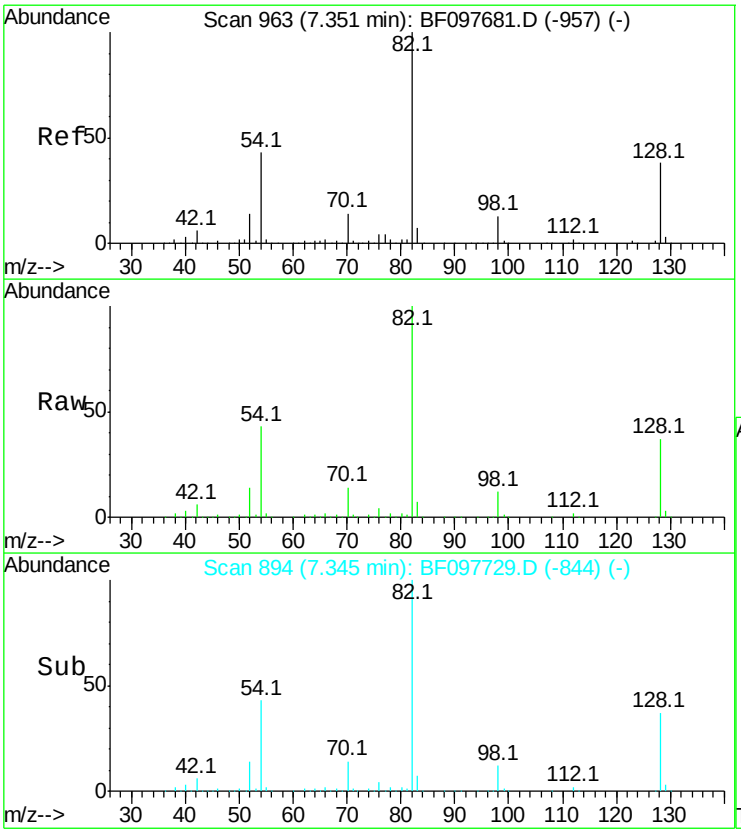
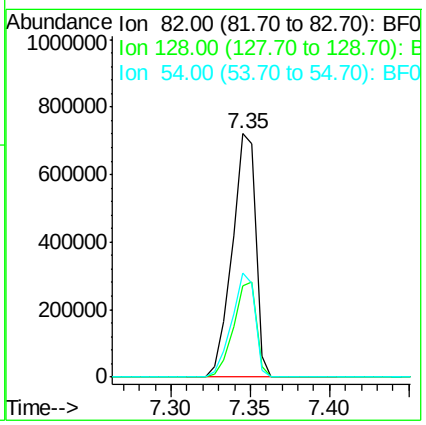
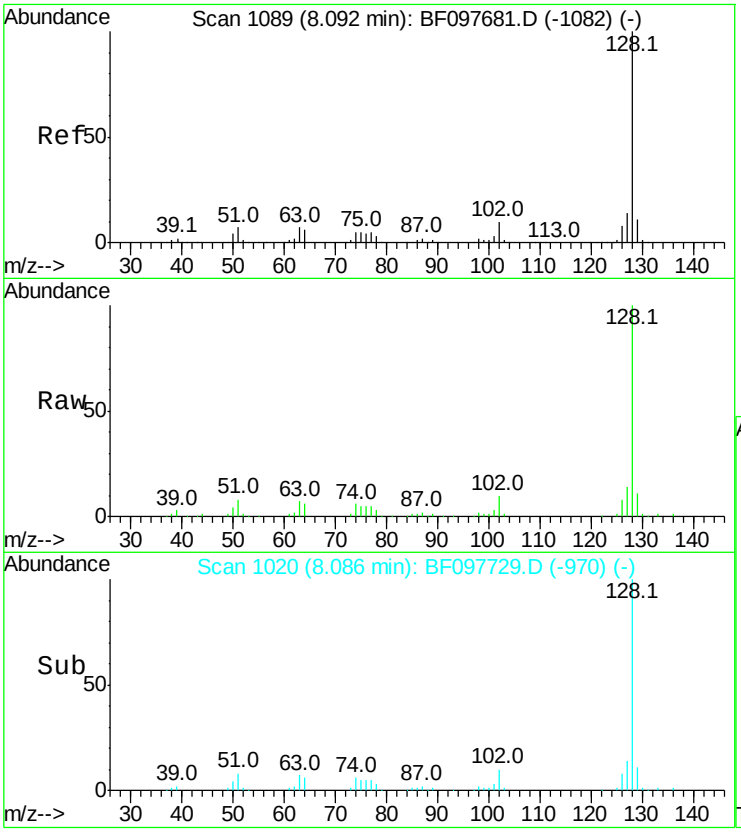


#23
Nitrobenzene-d5
Concen: 71.786 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion: 82 Resp: 738206

Ion	Ratio	Lower	Upper
82	100		
128	37.4	34.0	51.0
54	43.0	42.2	63.2

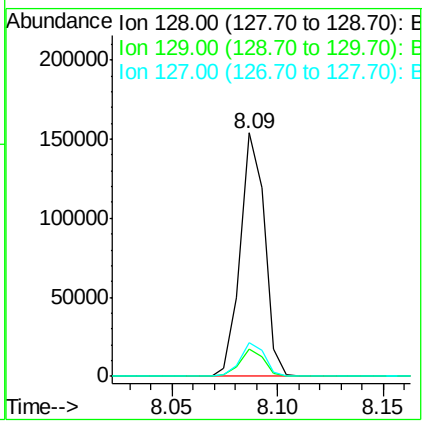




#31
Naphthalene
Concen: 4.219 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:128 Resp: 122373

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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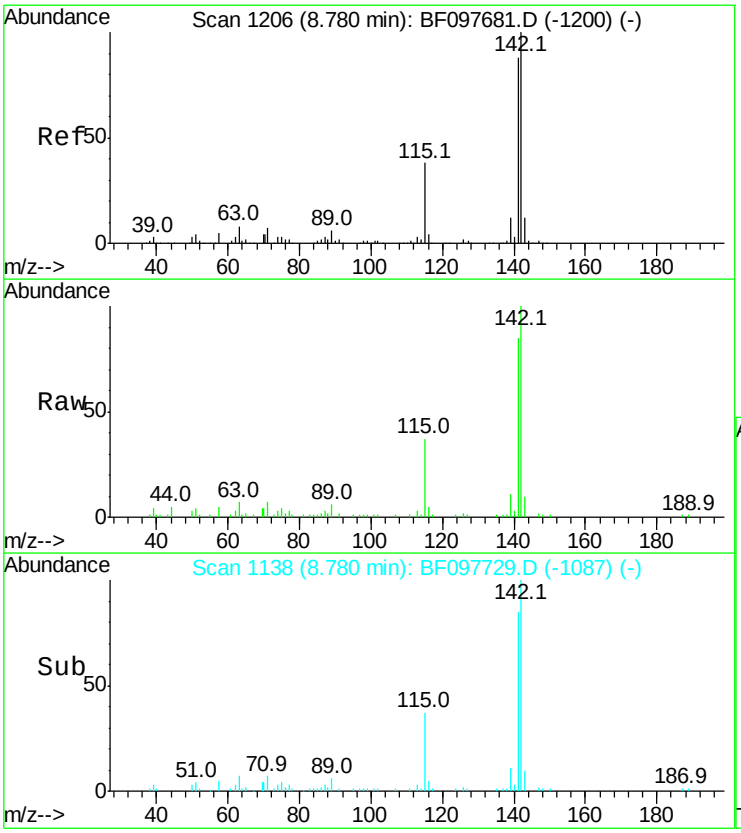
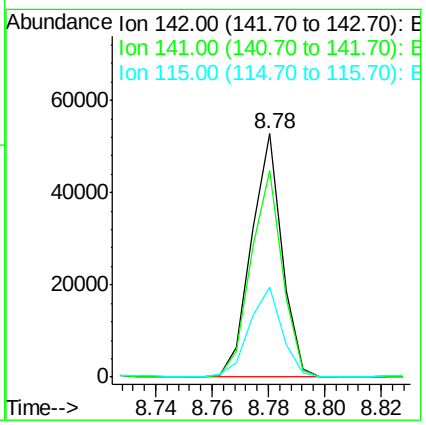
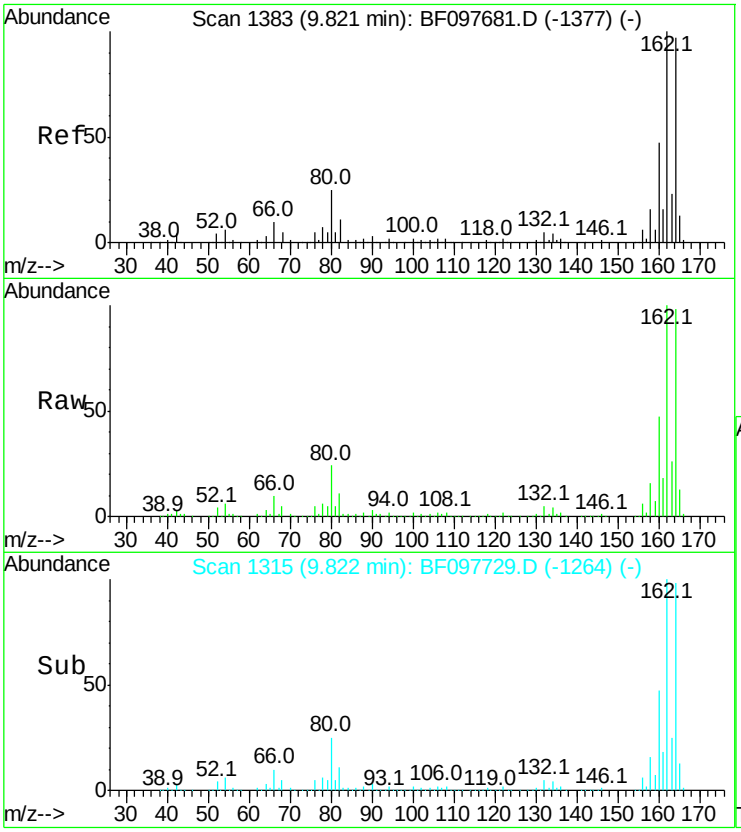


#37
2-Methylnaphthalene
Concen: 2.230 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:142 Resp: 39648

Ion	Ratio	Lower	Upper
142	100		
141	84.8	71.3	106.9
115	36.8	27.1	40.7

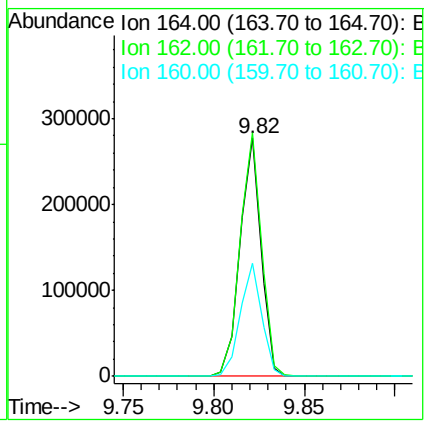




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:164 Resp: 223803

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	47.7	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
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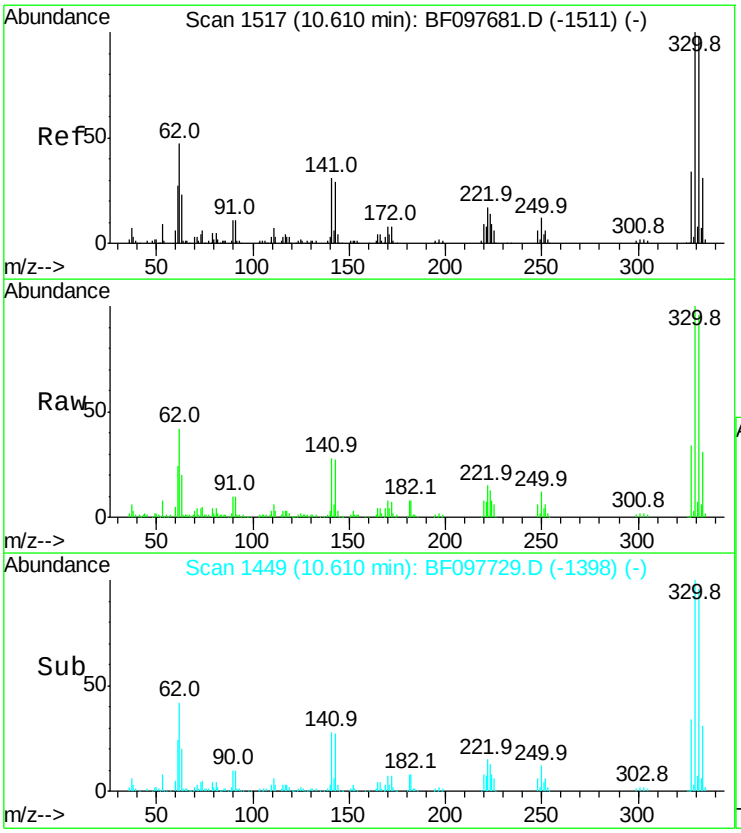
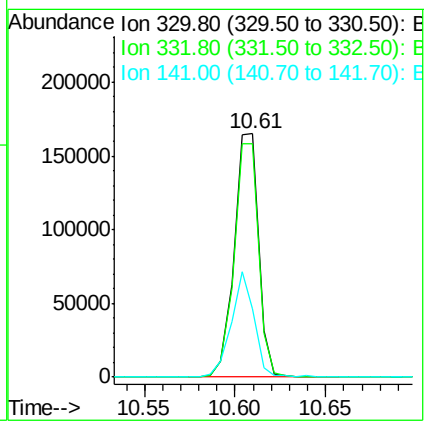
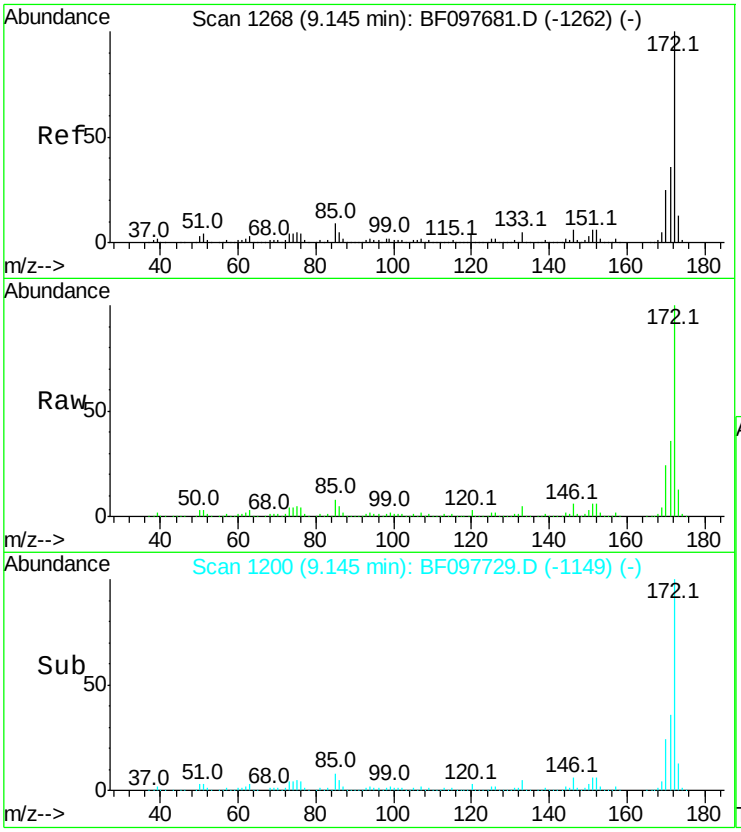


#41
2,4,6-Tribromophenol
Concen: 79.859 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:330 Resp: 155075

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	41.7	31.4	47.2

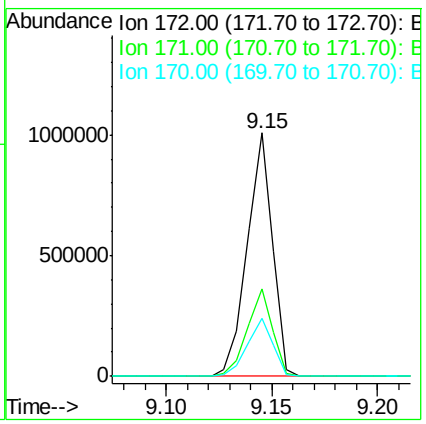




#44
2-Fluorobiphenyl
Concen: 55.249 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:172 Resp: 841598

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.1	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

Manual Integrations APPROVED
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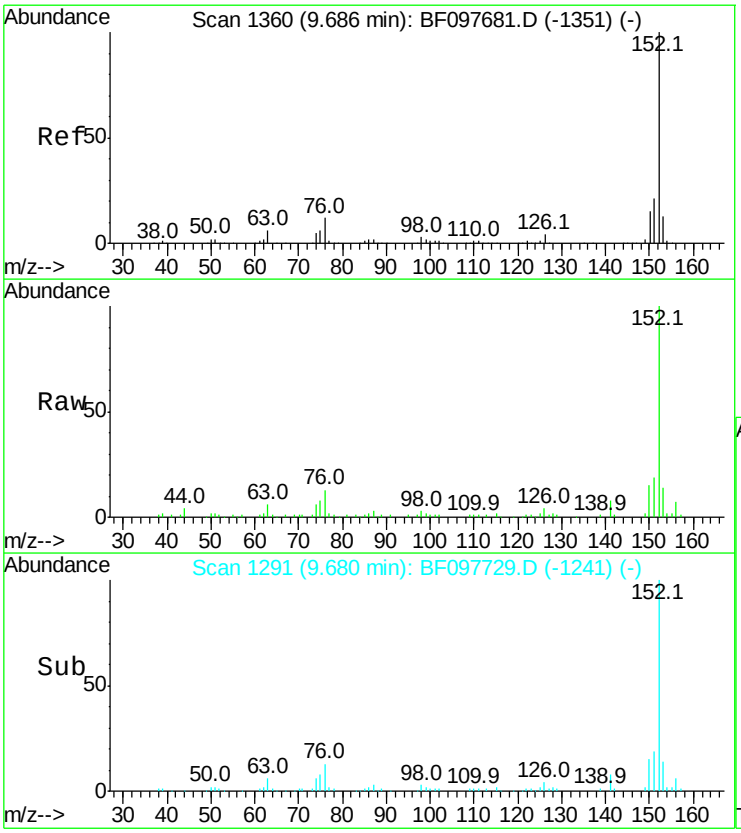
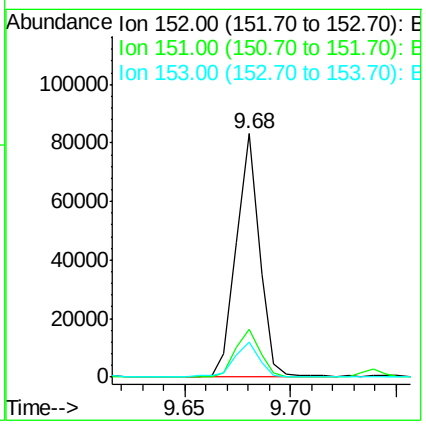
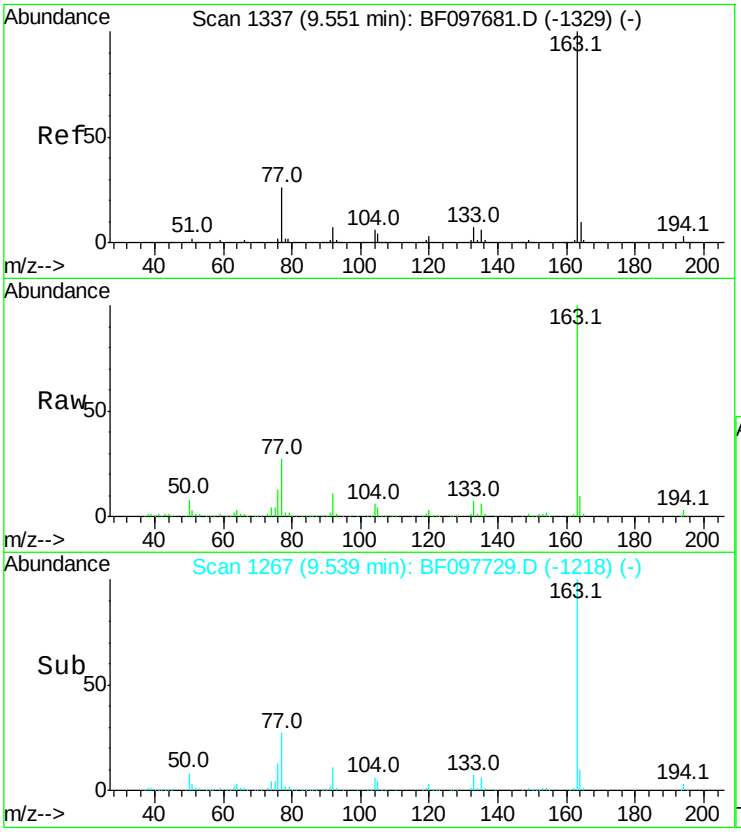


#48
Acenaphthylene
Concen: 2.684 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:152 Resp: 63555

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.8	25.2
153	14.2	10.8	16.2

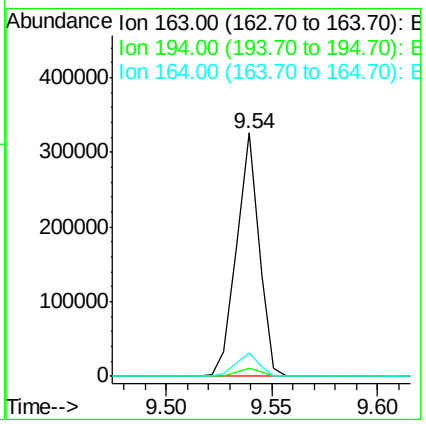




#49
Dimethylphthalate
Concen: 14.687 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:163 Resp: 240277

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6



Instrument :
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ClientSampleId :
E2-H10-BASE

Manual Integrations APPROVED
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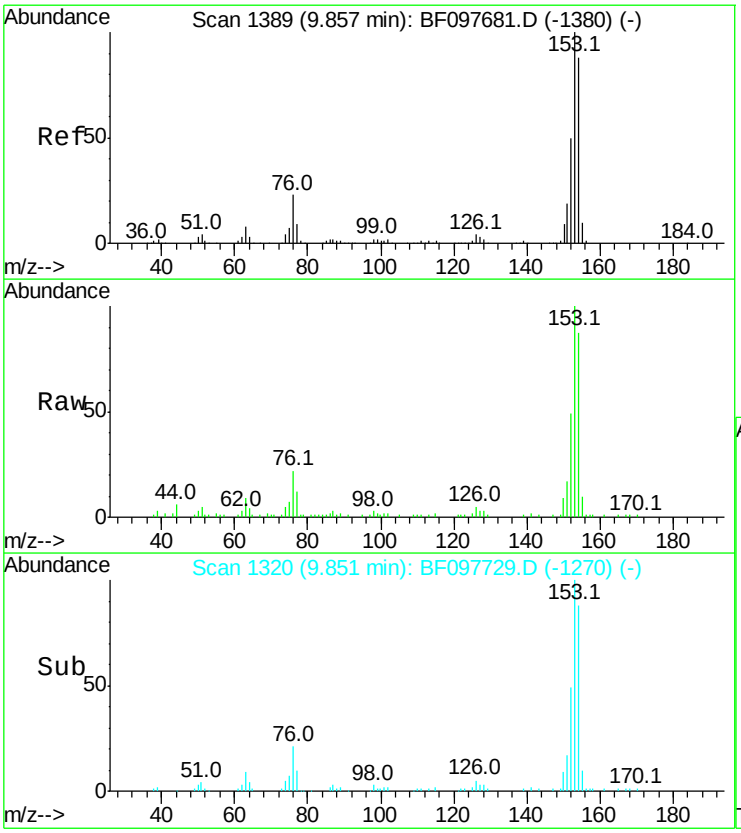
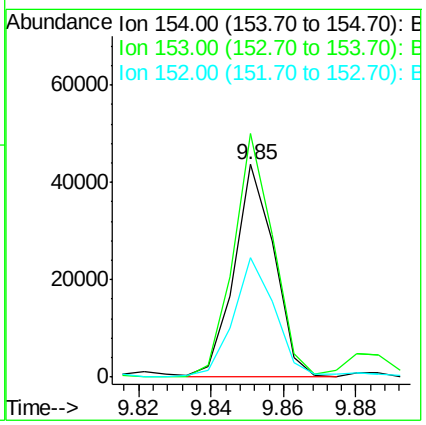
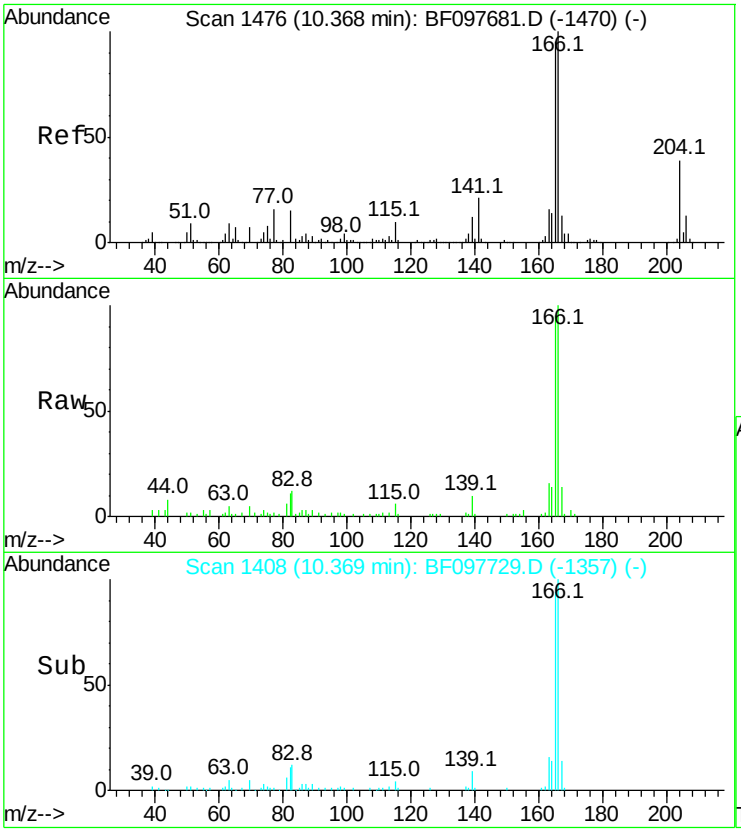


#51
Acenaphthene
Concen: 2.245 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:154 Resp: 33524

Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.5	135.7
152	56.0	43.6	65.4

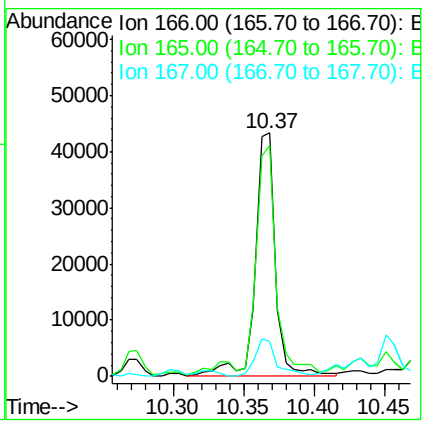




#57
Fluorene
Concen: 2.871 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:166 Resp: 44432

Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	14.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

Manual Integrations APPROVED
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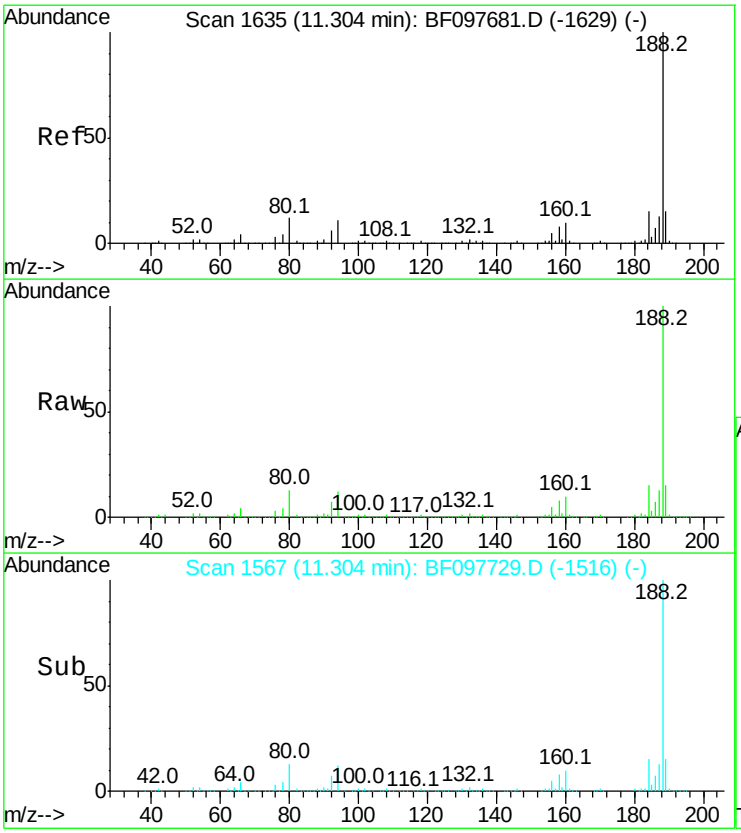
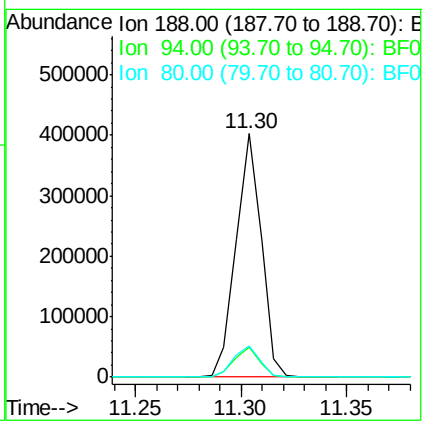
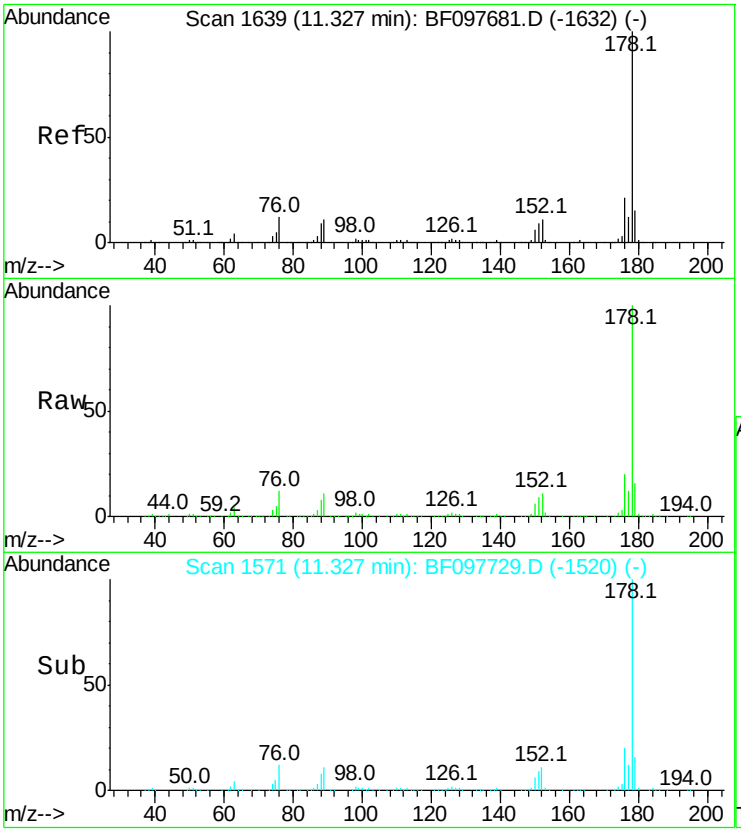


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:188 Resp: 332710

Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.4	14.2
80	12.8	10.2	15.2

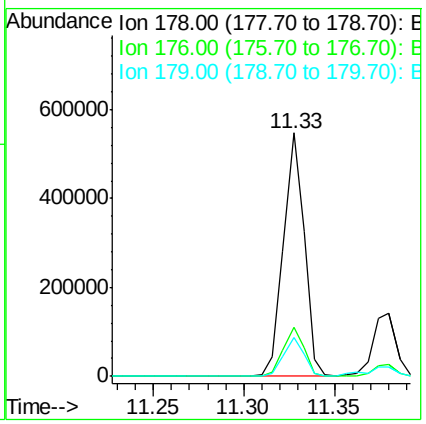




#70
Phenanthrene
Concen: 24.818 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:178 Resp: 440000

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.0	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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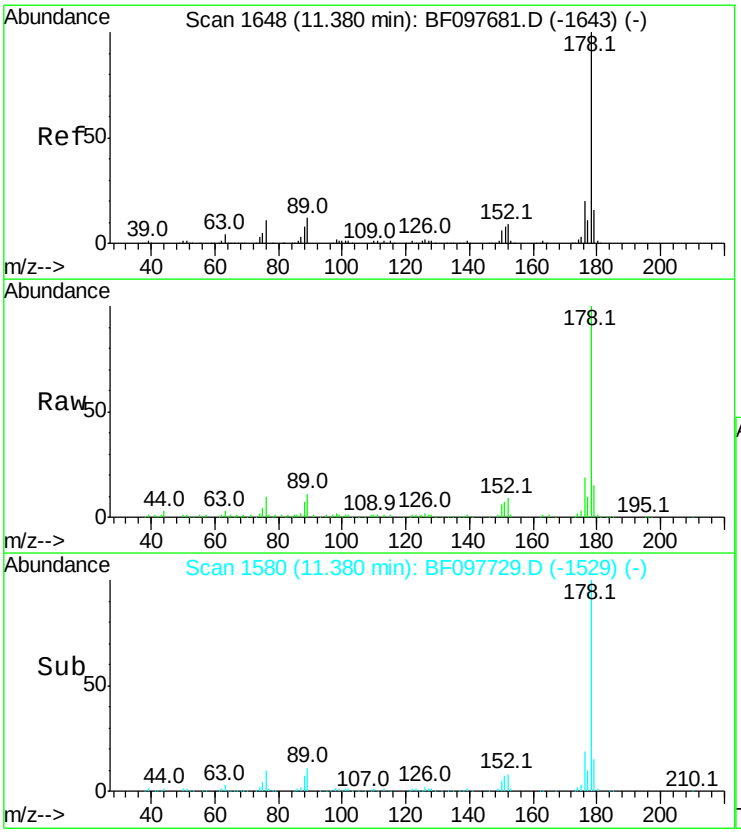
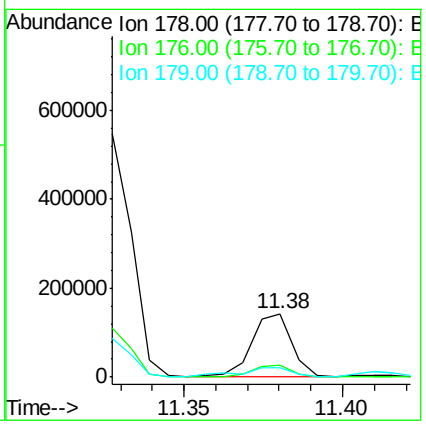
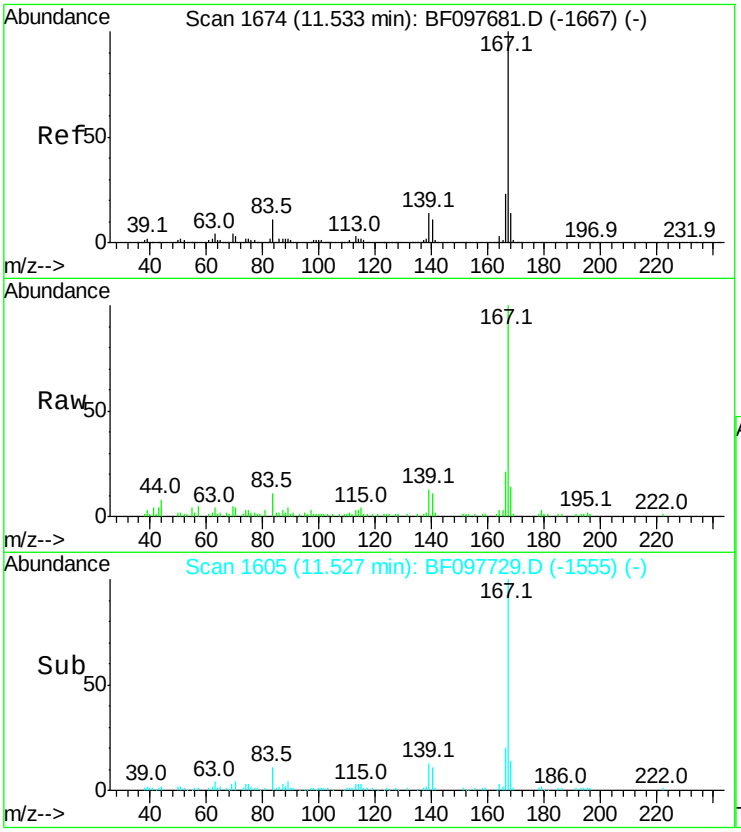


#71
Anthracene
Concen: 6.837 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:178 Resp: 122952

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.7	12.7	19.1

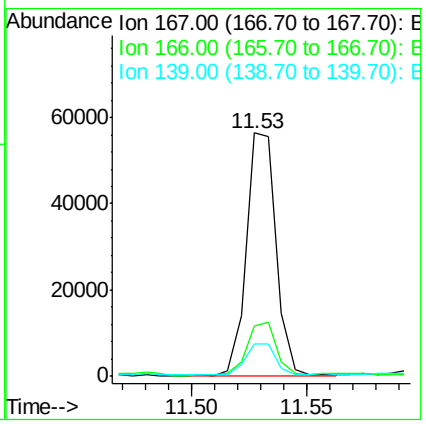




#72
Carbazole
Concen: 3.003 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:167 Resp: 51263

Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.1	27.1
139	13.3	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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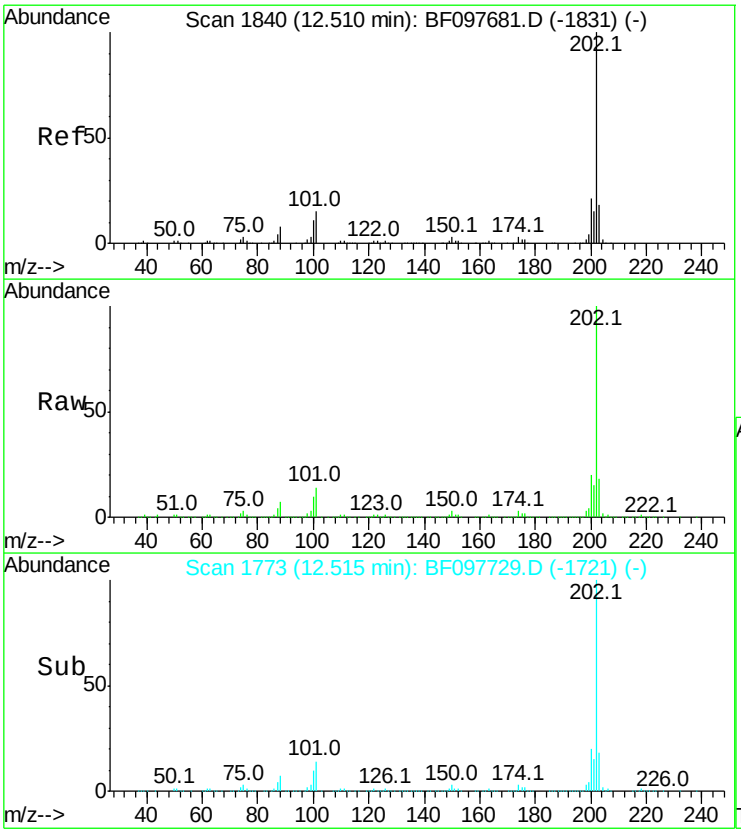
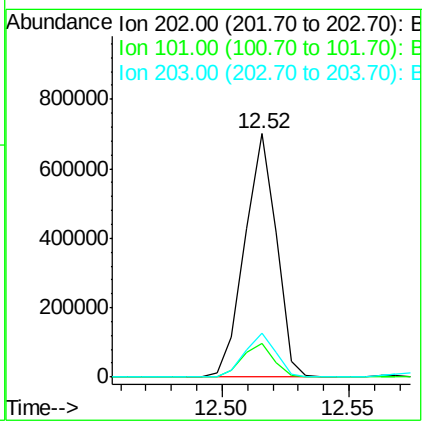
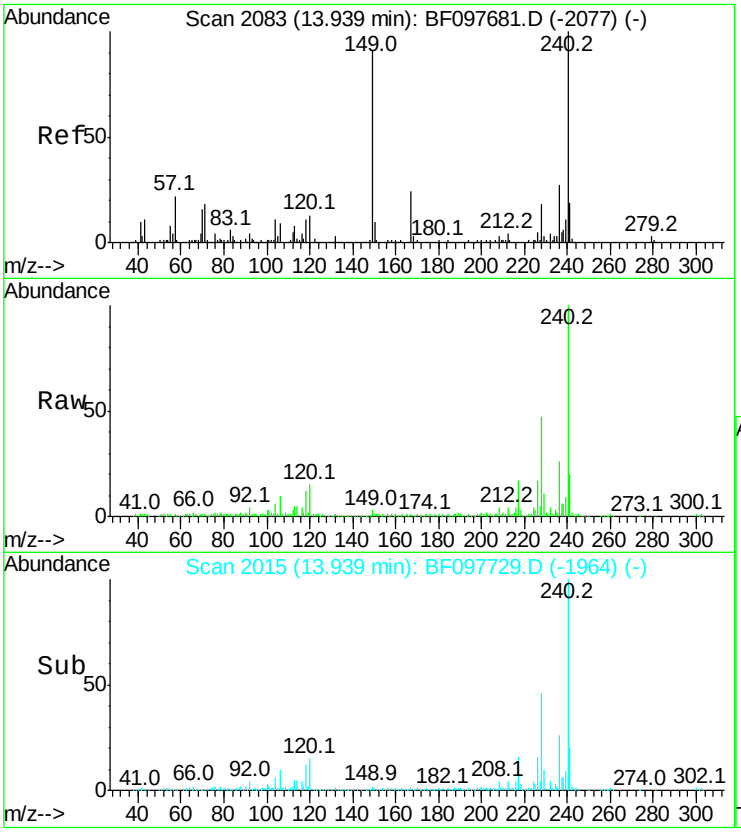


#74
Fluoranthene
Concen: 32.836 ng
RT: 12.52 min Scan# 1773
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:202 Resp: 607641

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.9	0.0	38.1

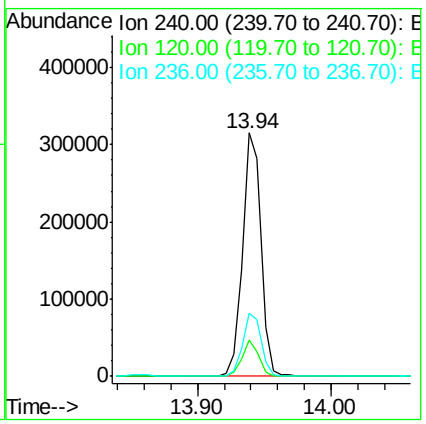




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:240 Resp: 299193

Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	26.0	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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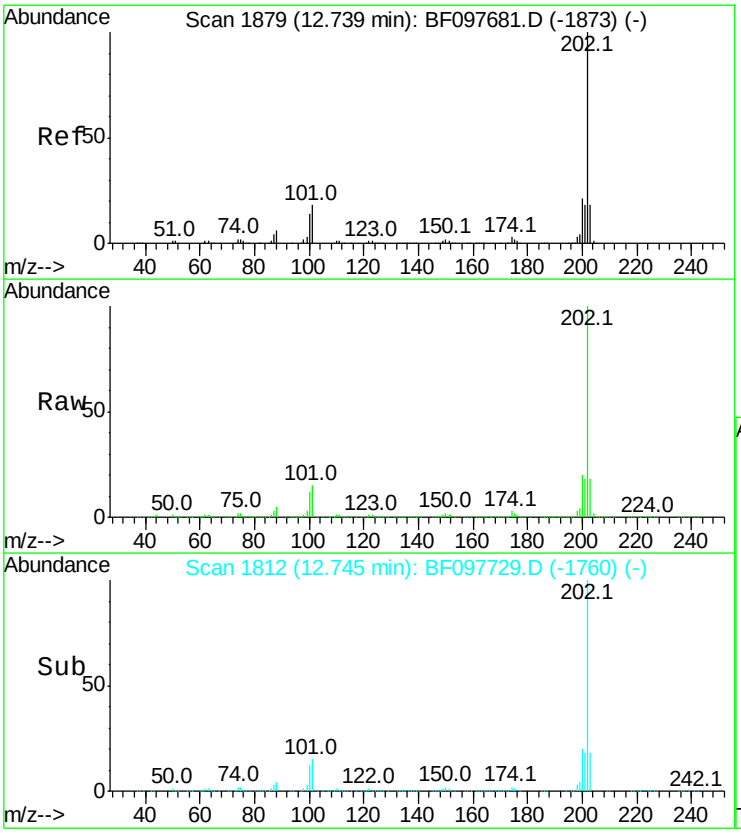
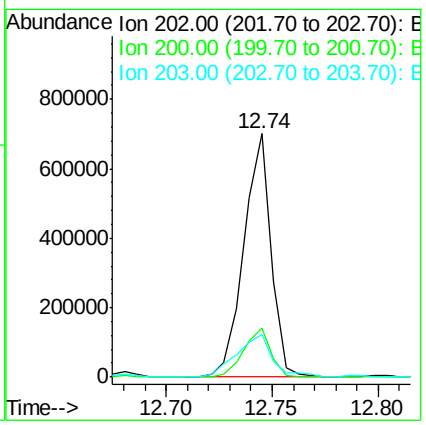
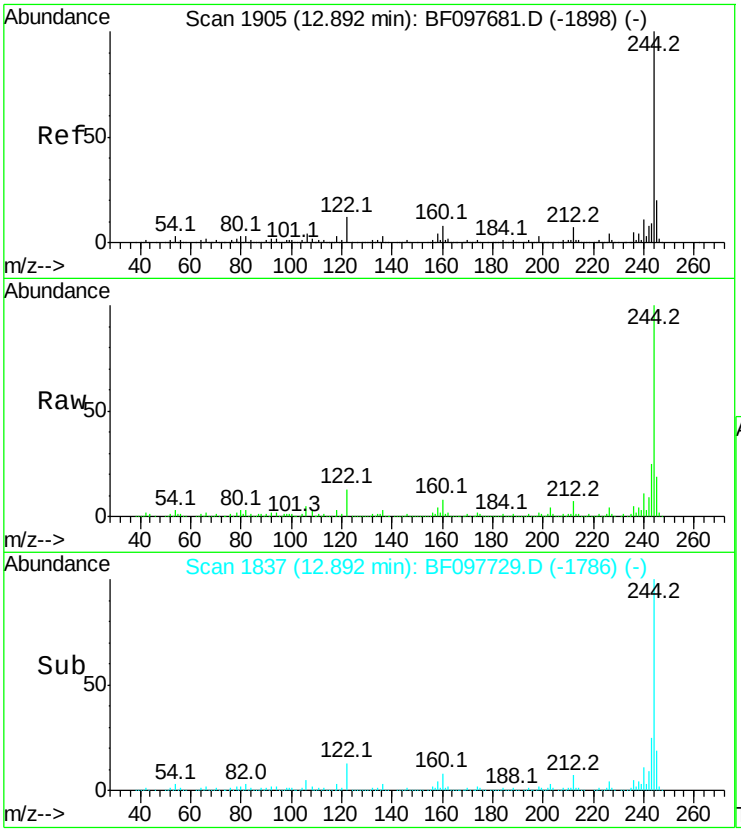


#77
Pyrene
Concen: 25.623 ng
RT: 12.74 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:202 Resp: 627018

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	17.7	14.4	21.6

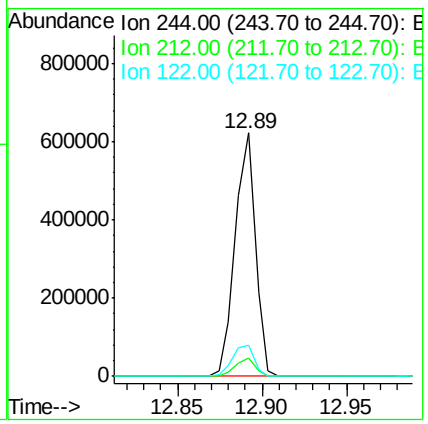




#78
Terphenyl-d14
Concen: 36.240 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:244 Resp: 519946

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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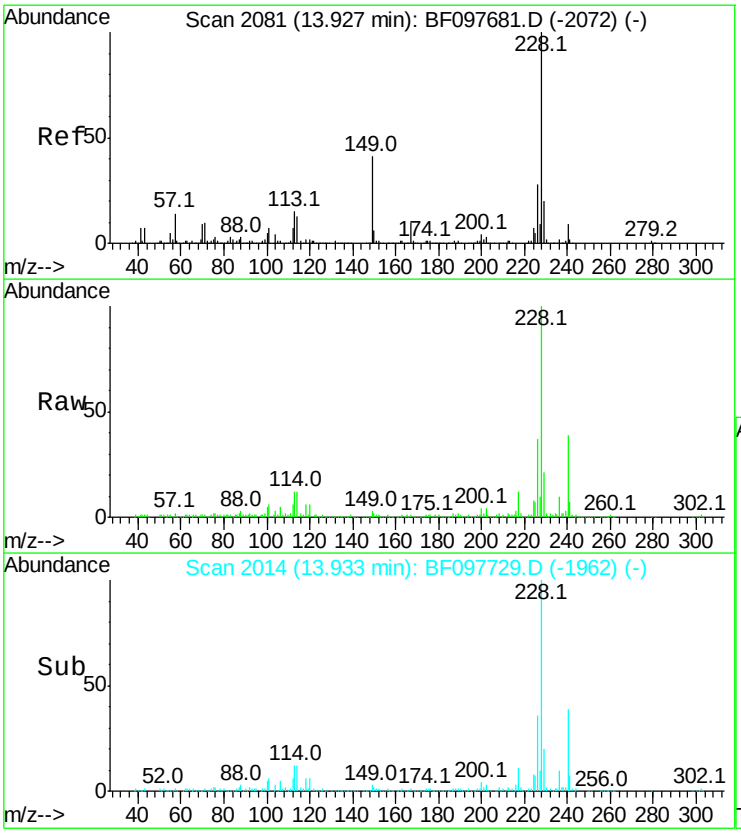
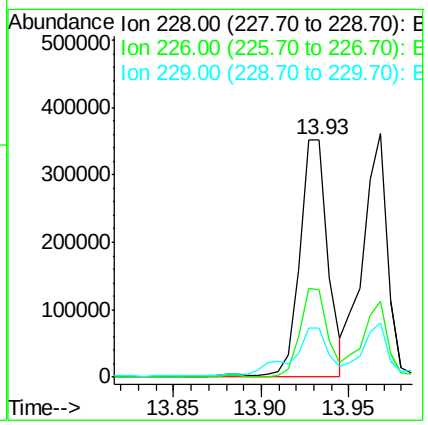
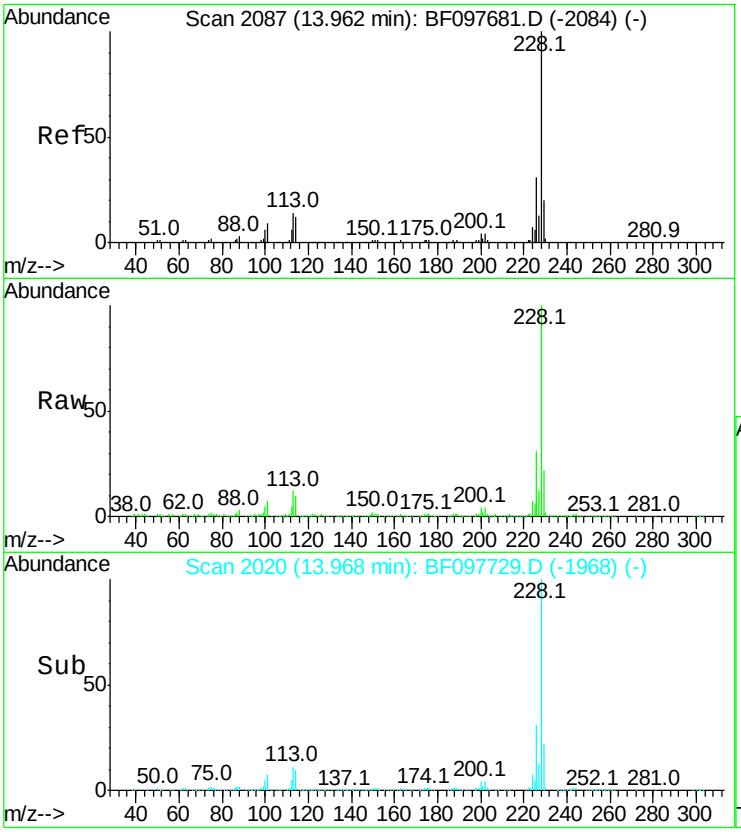


#80
Benzo(a)anthracene
Concen: 22.261 ng m
RT: 13.93 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:228 Resp: 399189

Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.6	33.8#
229	20.6	16.3	24.5





#82
Chrysene
Concen: 19.897 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:228 Resp: 354923

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	22.4	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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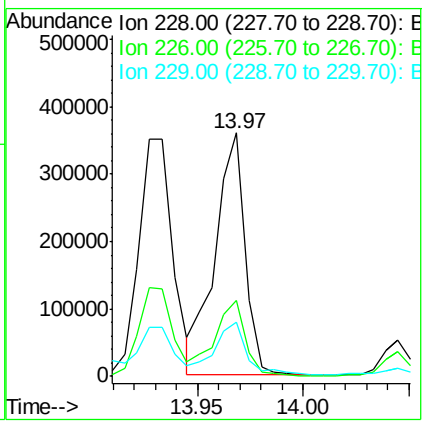
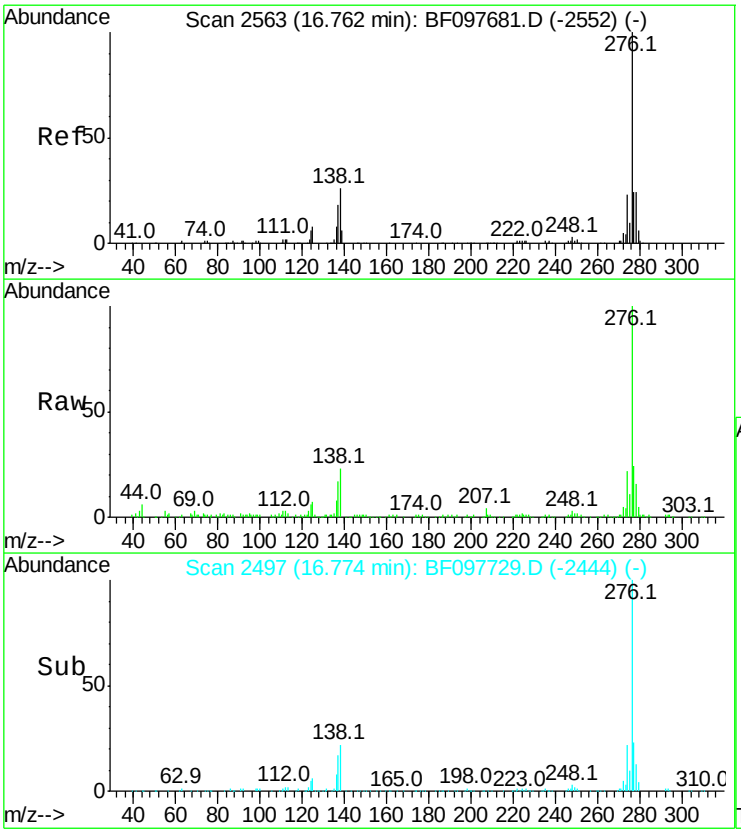
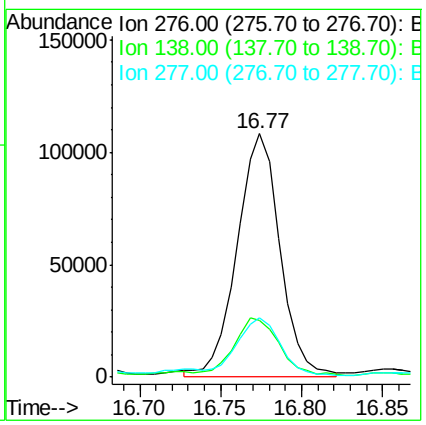


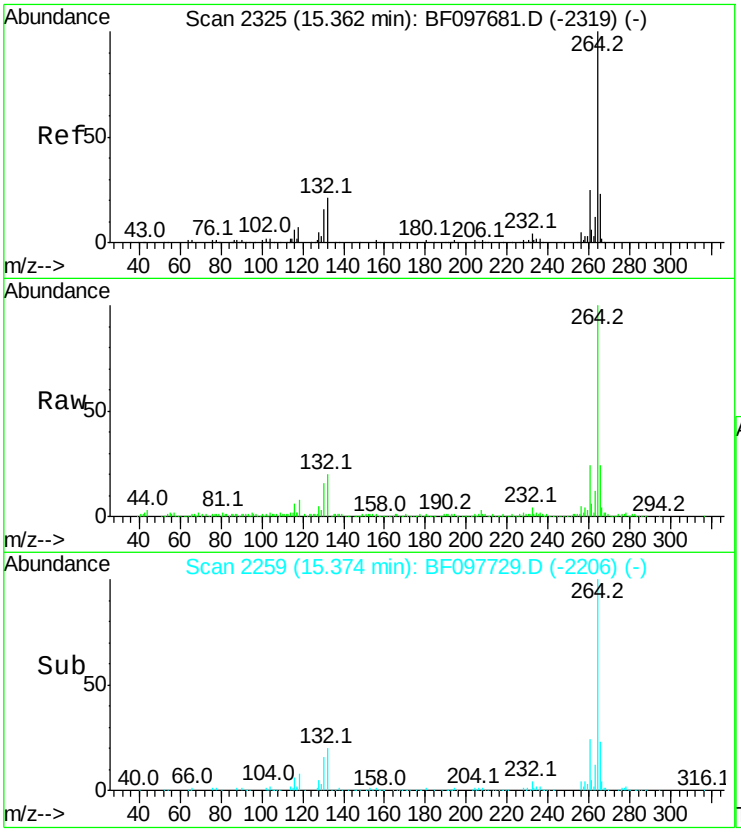


#85
Indeno(1,2,3-cd)pyrene
Concen: 15.289 ng m
RT: 16.77 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:276 Resp: 200631

Ion	Ratio	Lower	Upper
276	100		
138	5.8	27.8	41.6#
277	4.7	20.2	30.4#

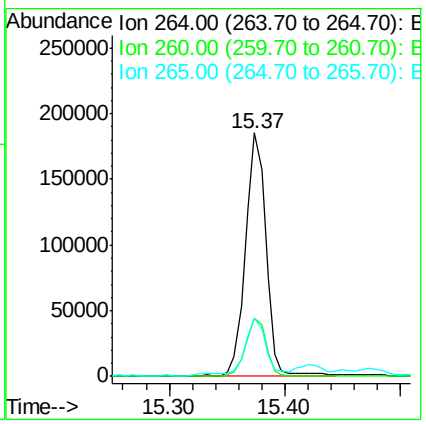




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:264 Resp: 231223

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.6	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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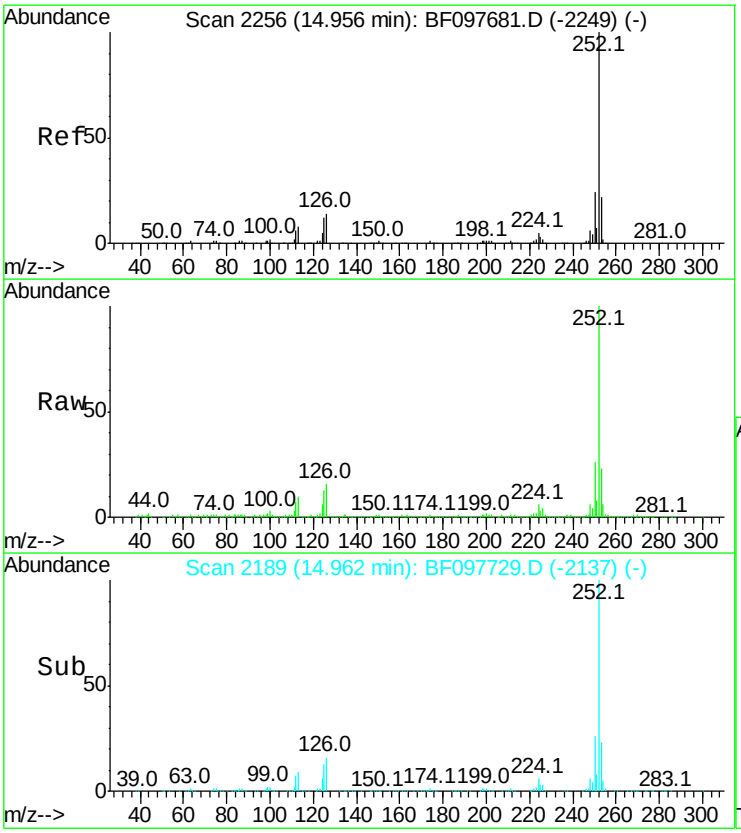
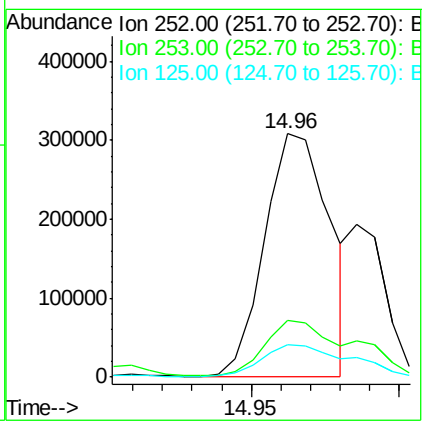
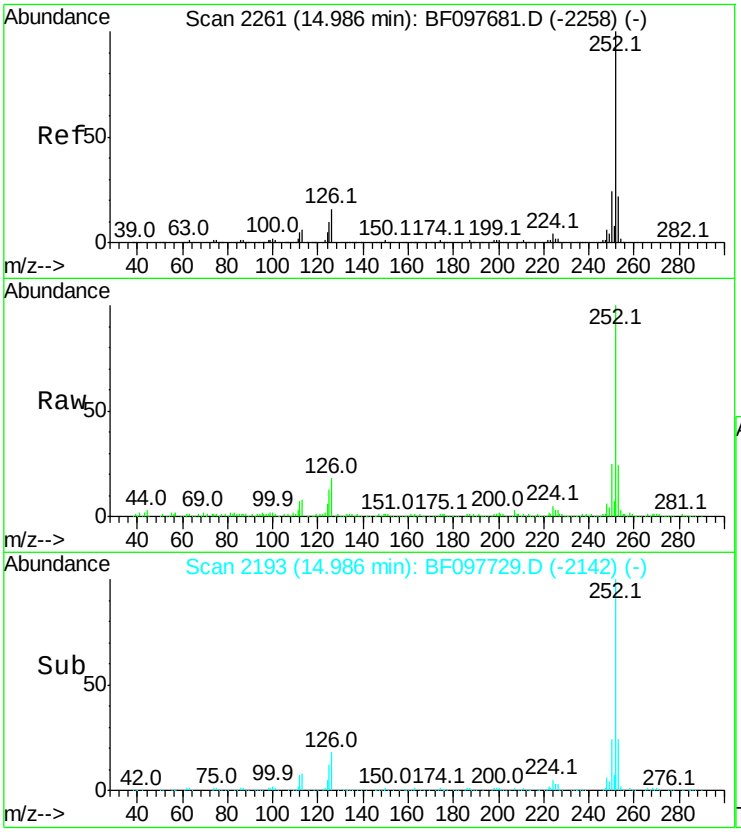


#87
Benzo(b)fluoranthene
Concen: 32.625 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:252 Resp: 475506

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.3	9.8	14.8





#88
Benzo(k)fluoranthene
Concen: 12.017 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:252 Resp: 164555

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	12.6	13.1	19.7#

Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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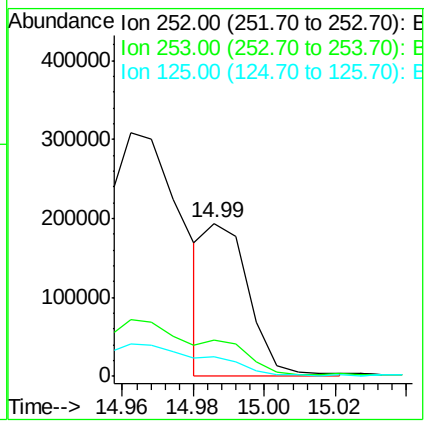
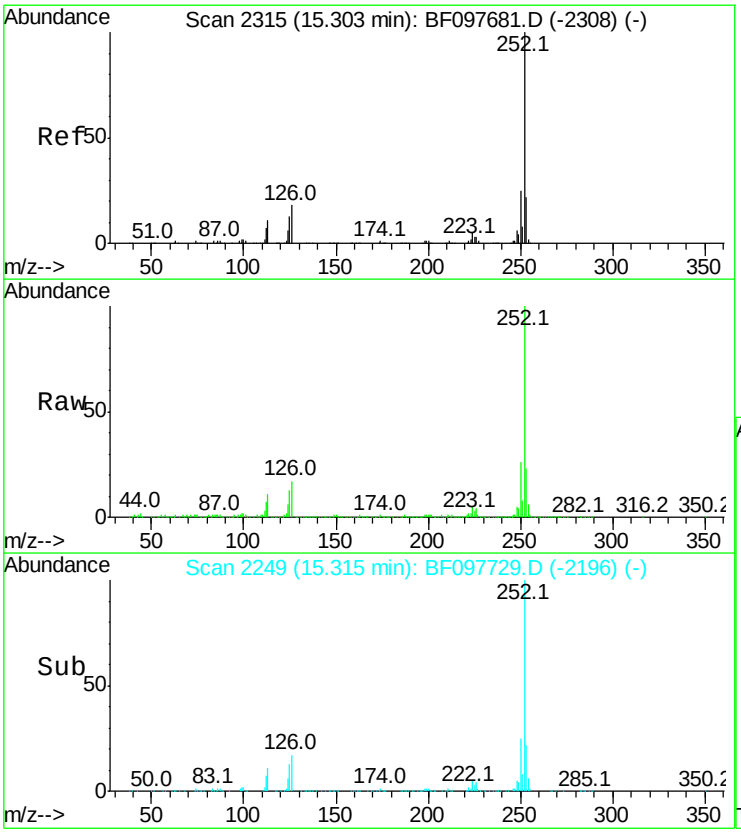
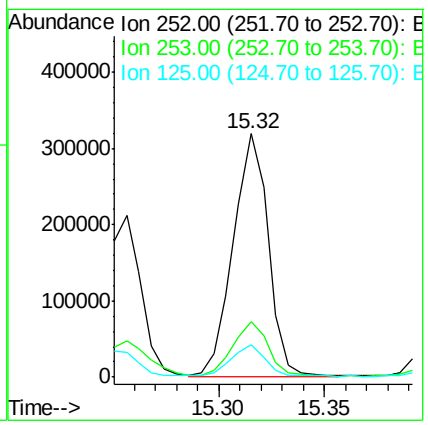


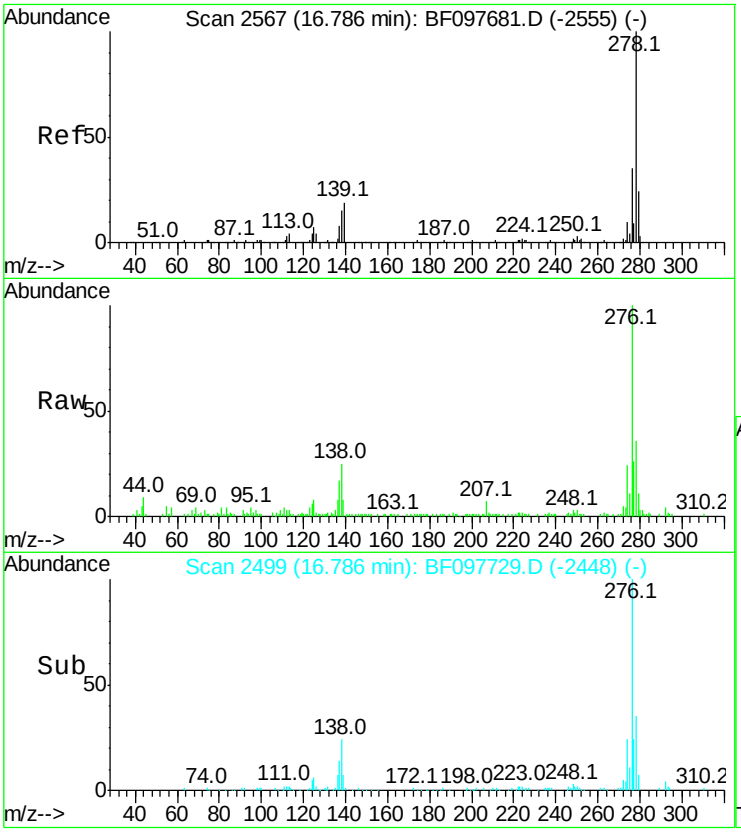


#89
Benzo(a)pyrene
Concen: 28.330 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:252 Resp: 365530

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	13.1	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 4.605 ng m
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:278 Resp: 48371

Ion	Ratio	Lower	Upper
278	100		
139	22.7	16.6	24.8
279	29.2	19.3	28.9#

Instrument :
BNA_F
ClientSampleId :
E2-H10-BASE

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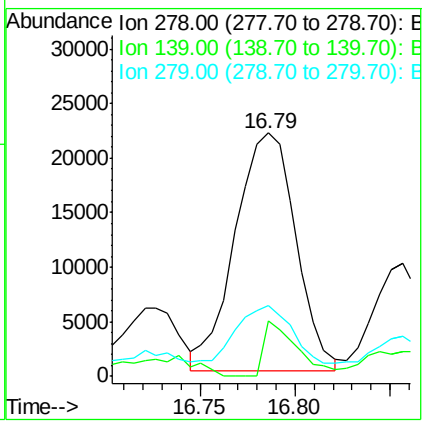

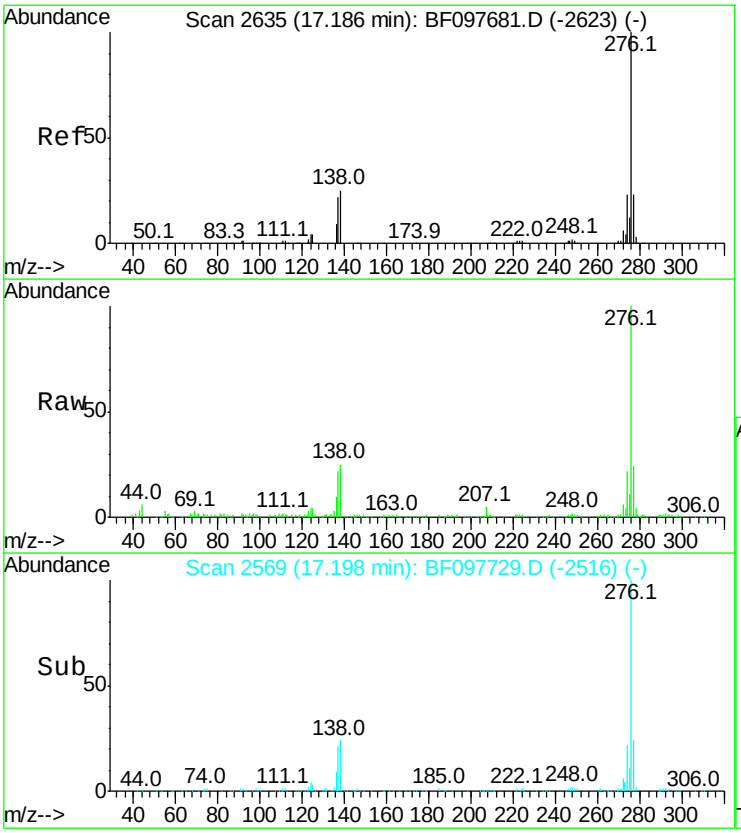

#91
Benzo(g,h,i)perylene
Concen: 18.524 ng m
RT: 17.20 min Scan# 2569
Delta R.T. 0.01 min
Lab File: BF097729.D
Acq: 16 Aug 2017 9:40

Tgt Ion:276 Resp: 203025

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	24.9	25.4	38.0#