Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
Data File : BF098529.D
Acq On : 14 Sep 2017 15:12
Operator : SJ/JU
Sample : I5159-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G-5-2

Manual Integrations APPROVED
Sohil
9/15/2017 5:43:34 PM

Quant Time: Sep 15 12:32:27 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	138961	20.00	ng		-0.02
21) Naphthalene-d8	7.93	136	572363	20.00	ng		-0.02
38) Acenaphthene-d10	9.68	164	253968	20.00	ng		-0.02
63) Phenanthrene-d10	11.16	188	402462	20.00	ng		-0.02
75) Chrysene-d12	13.79	240	256072	20.00	ng		-0.02
86) Perylene-d12	15.19	264	295021	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	996096	105.98	ng		-0.02
7) Phenol-d6	6.30	99	1258118	105.43	ng		-0.02
23) Nitrobenzene-d5	7.22	82	782103	76.18	ng		-0.02
41) 2,4,6-Tribromophenol	10.47	330	196977	116.21	ng		-0.02
44) 2-Fluorobiphenyl	9.01	172	1234033	82.36	ng		-0.02
78) Terphenyl-d14	12.75	244	702378	59.20	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.31	94	35510	2.562	ng		79
31) Naphthalene	7.95	128	103010	3.641	ng		99
37) 2-Methylnaphthalene	8.64	142	73007	4.260	ng		97
49) Dimethylphthalate	9.40	163	188175	9.572	ng		98
54) Dibenzofuran	9.89	168	40657	2.011	ng	#	98
70) Phenanthrene	11.18	178	138311	6.483	ng		97
74) Fluoranthene	12.37	202	140438	6.575	ng		99
77) Pyrene	12.60	202	115044	5.695	ng		98
80) Benzo(a)anthracene	13.78	228	72019	4.797	ng		93
82) Chrysene	13.82	228	85445	5.630	ng	#	96
85) Indeno(1,2,3-cd)pyrene	16.52	276	50022	4.698	ng		94
87) Benzo(b)fluoranthene	14.80	252	141033m	7.603	ng		
88) Benzo(k)fluoranthene	14.82	252	36666m	2.117	ng		
89) Benzo(a)pyrene	15.13	252	60146	3.639	ng		99
91) Benzo(g,h,i)perylene	16.92	276	45339	3.750	ng		97

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

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BNA_F
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G-5-2

Manual Integrations APPROVED
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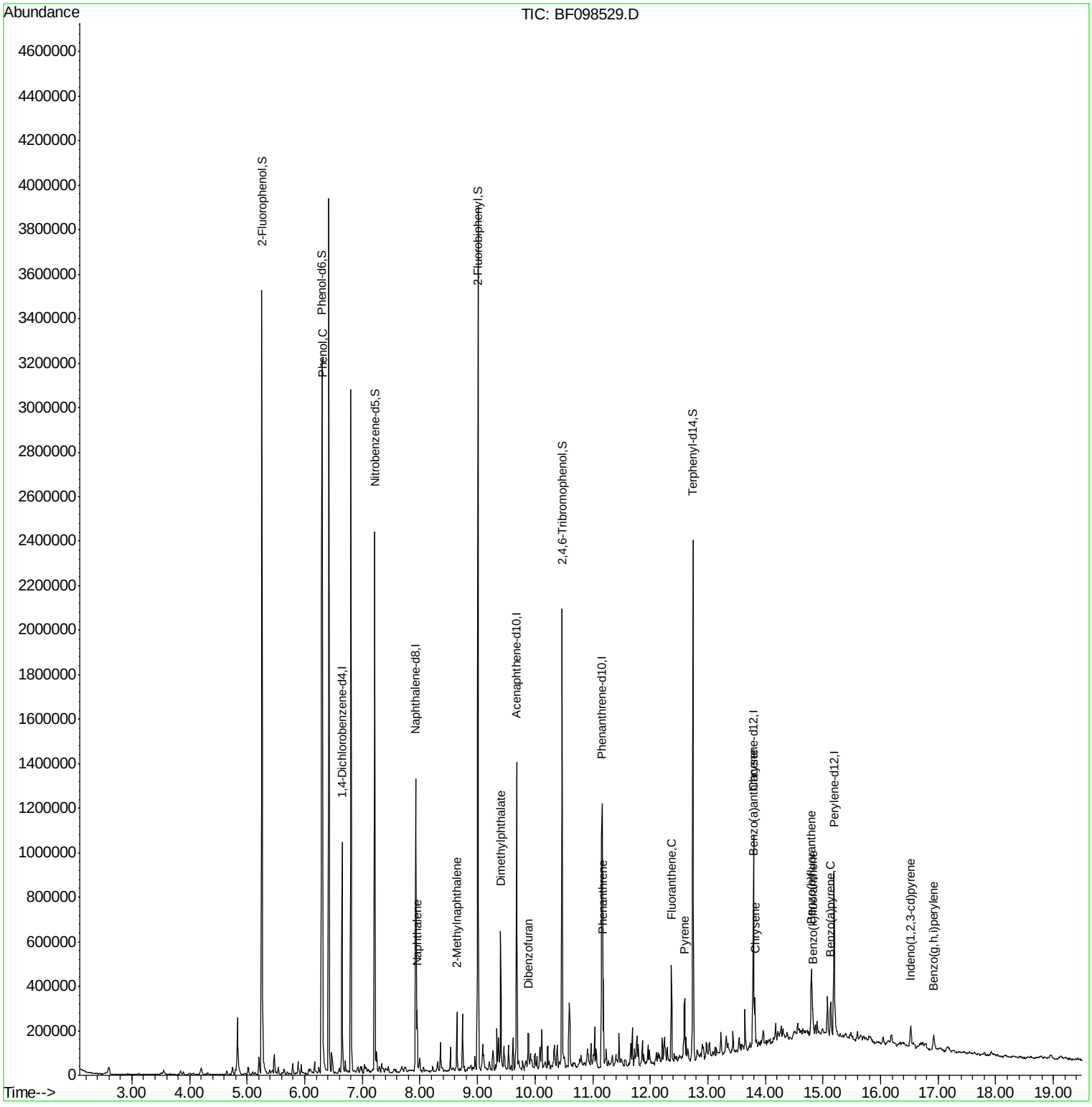
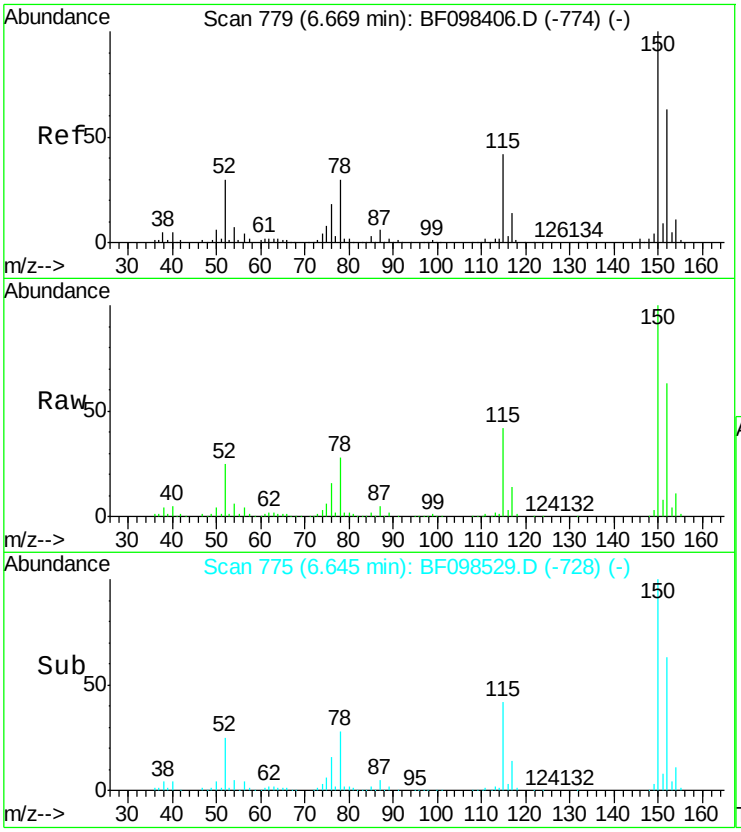
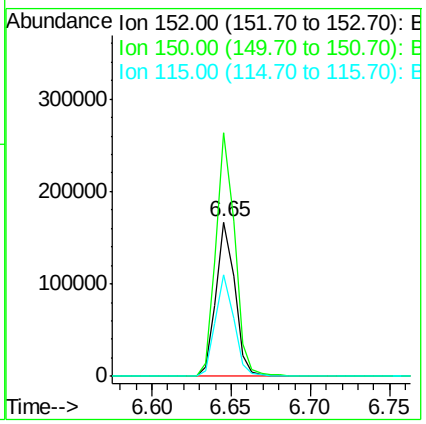




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:152 Resp: 138961

Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.2	189.2
115	65.8	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
G-5-2

Manual Integrations APPROVED
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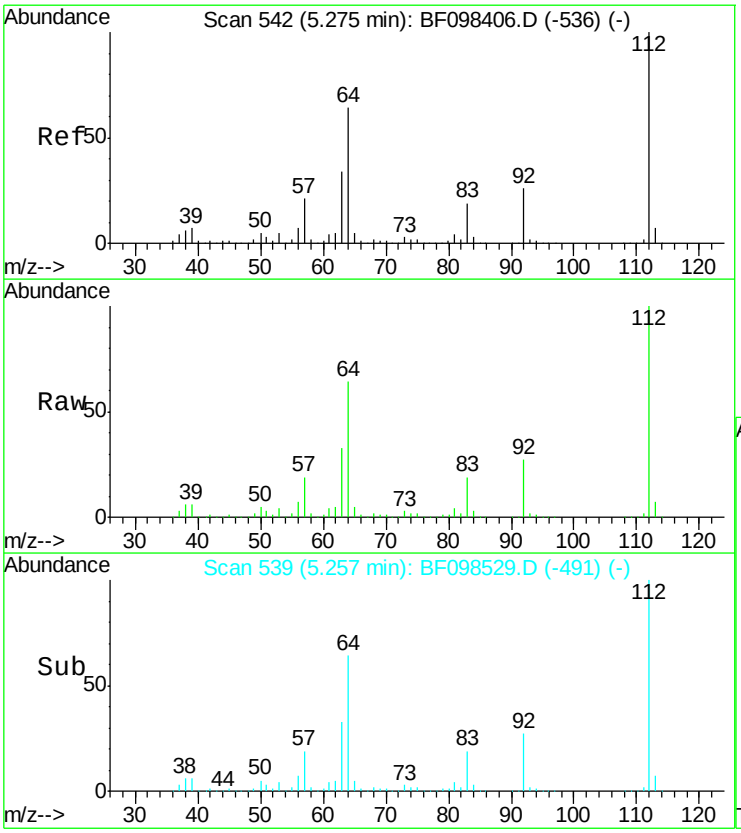
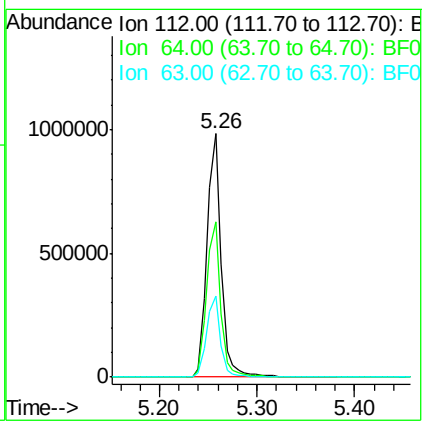
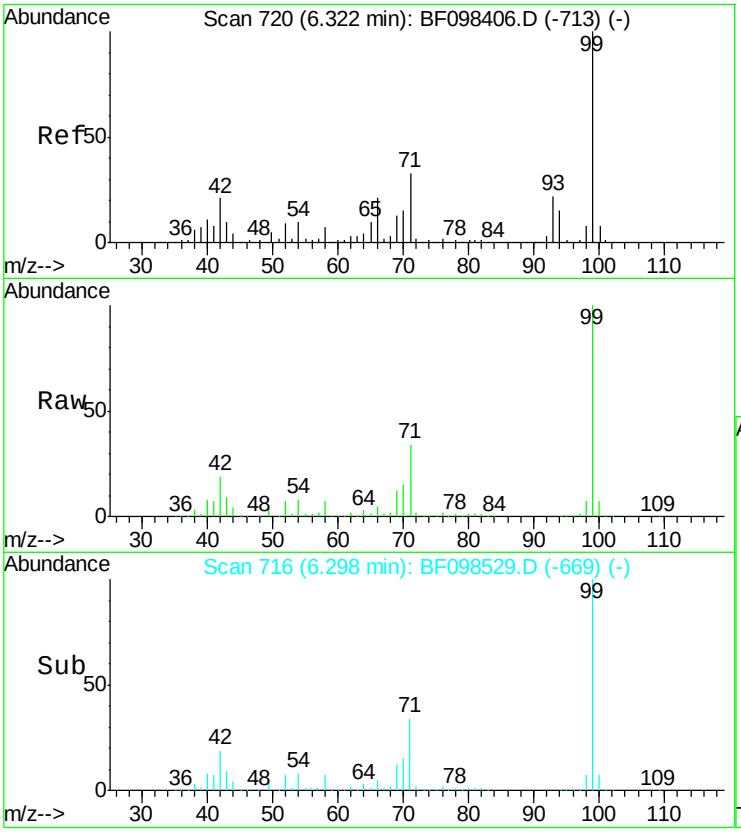


#5
2-Fluorophenol
Concen: 105.983 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:112 Resp: 996096

Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.0	69.0
63	33.4	23.4	35.0

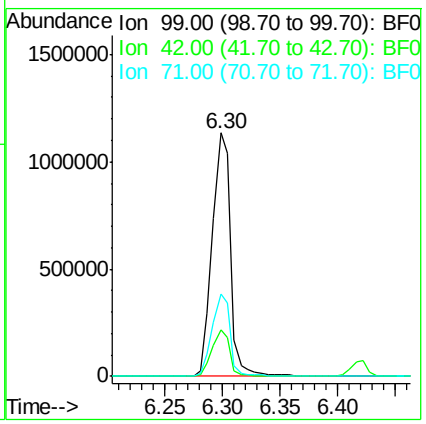




#7
Phenol-d6
Concen: 105.431 ng
RT: 6.30 min Scan# 716
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion: 99 Resp: 1258118

Ion	Ratio	Lower	Upper
99	100		
42	19.0	13.5	20.3
71	34.0	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
G-5-2

Manual Integrations APPROVED
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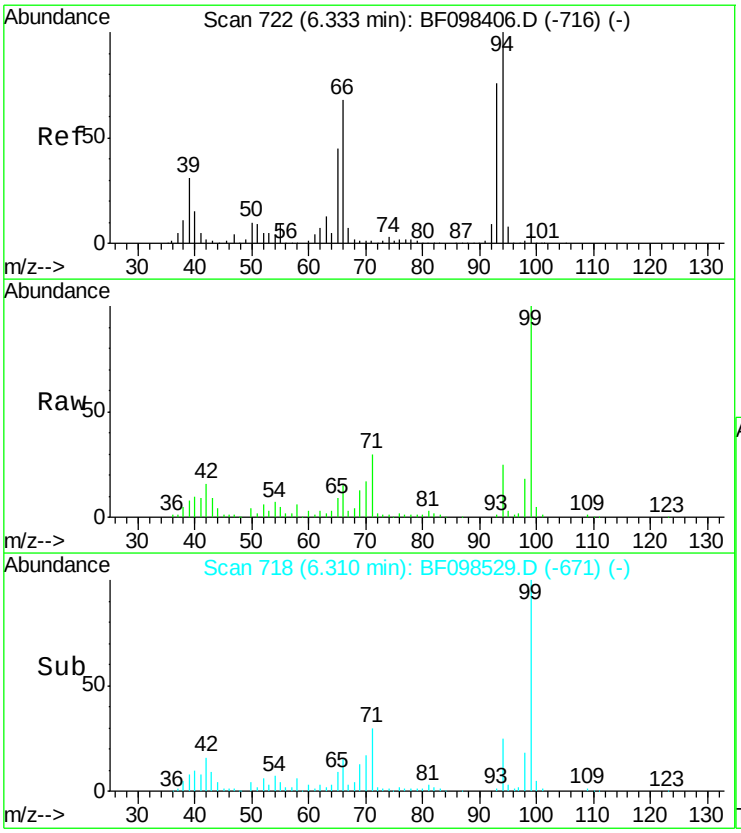
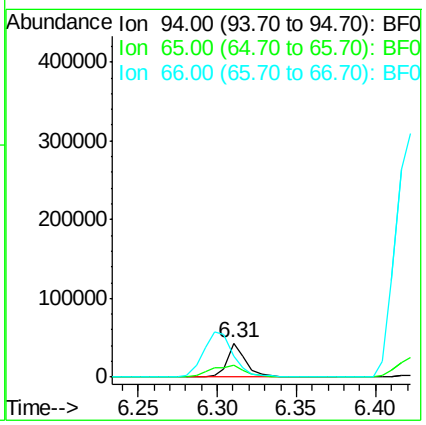
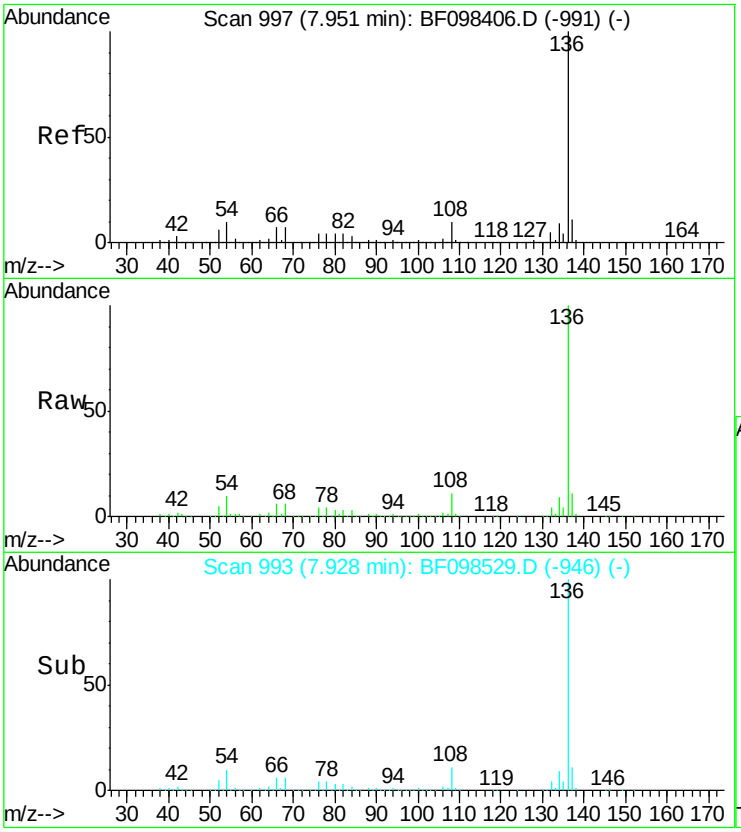


#10
Phenol
Concen: 2.562 ng
RT: 6.31 min Scan# 718
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion: 94 Resp: 35510

Ion	Ratio	Lower	Upper
94	100		
65	36.8	9.9	49.9
66	60.6	23.1	63.1

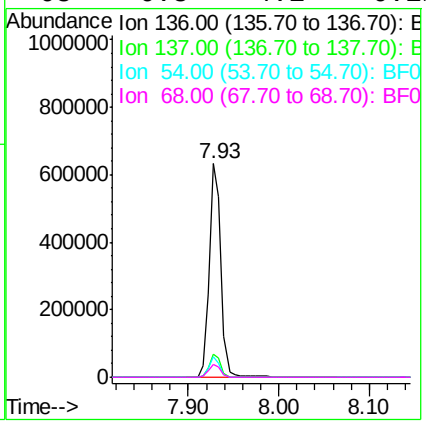




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:136 Resp: 572363

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.6	4.9	7.3#
68	6.3	4.1	6.1#



Instrument :
BNA_F
ClientSampleId :
G-5-2

Manual Integrations APPROVED
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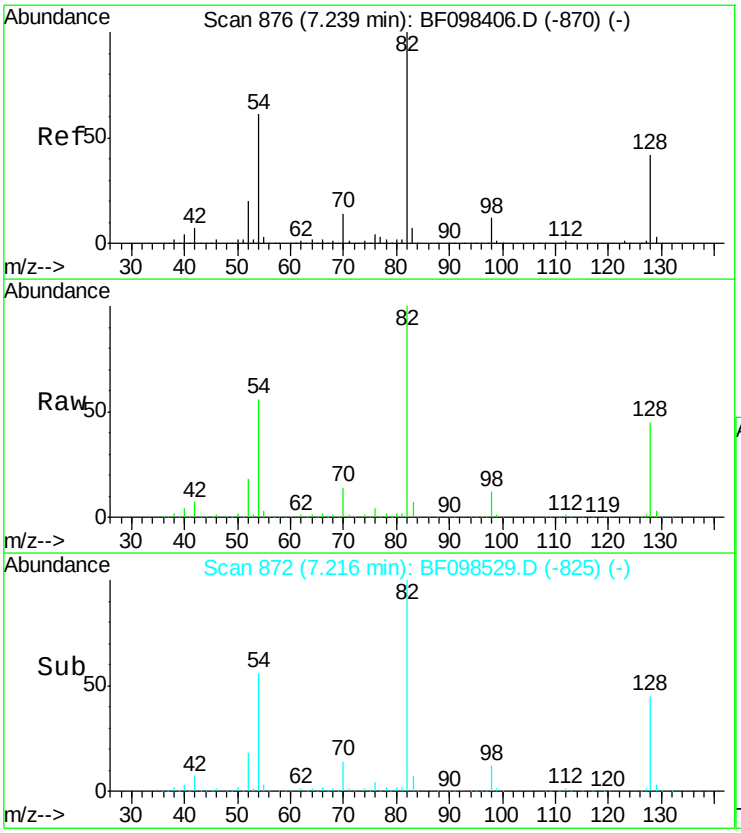
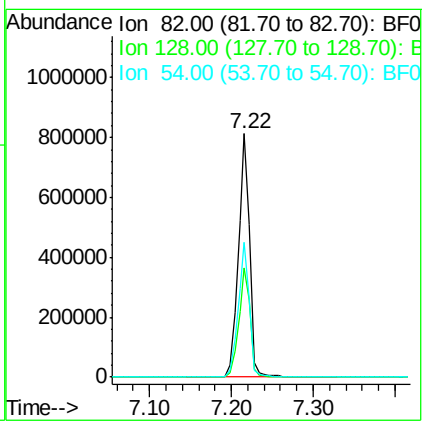
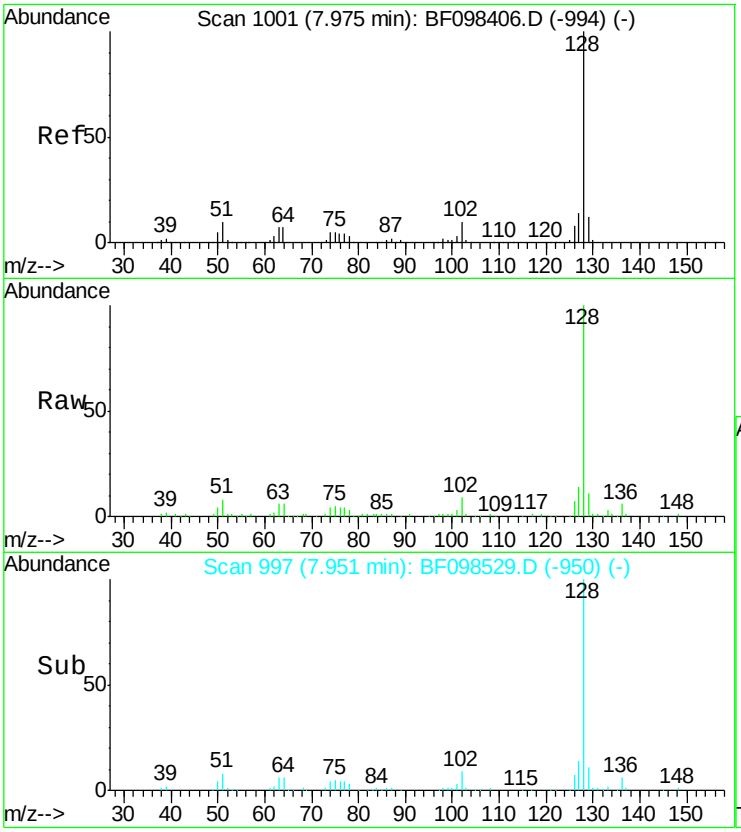


#23
Nitrobenzene-d5
Concen: 76.179 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion: 82 Resp: 782103

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.0	51.0
54	55.6	42.2	63.2

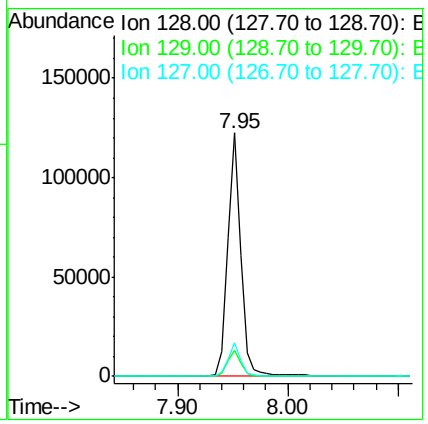




#31
Naphthalene
Concen: 3.641 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:128 Resp: 103010

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.9	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
G-5-2

Manual Integrations APPROVED
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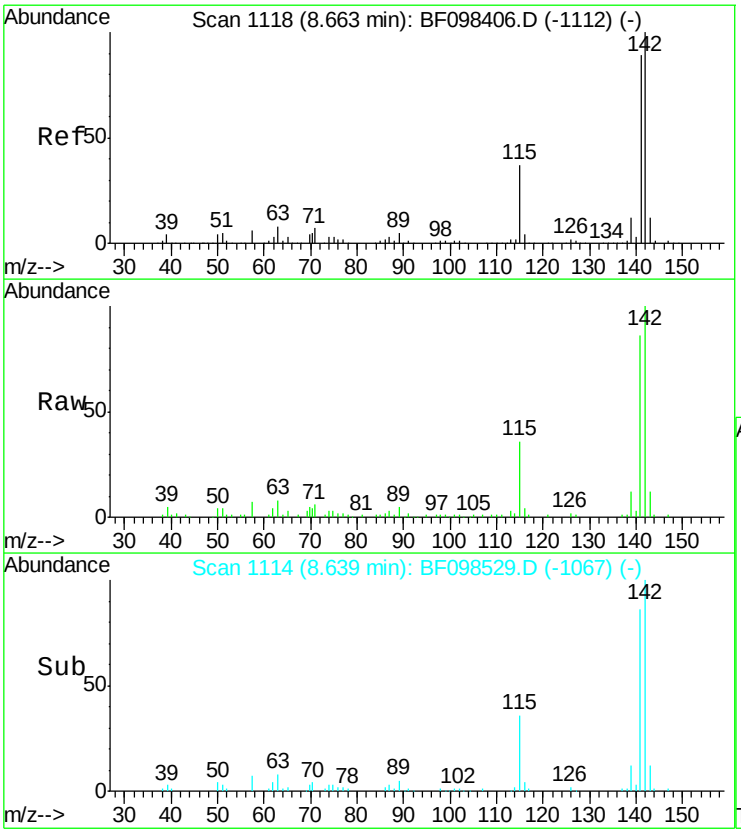
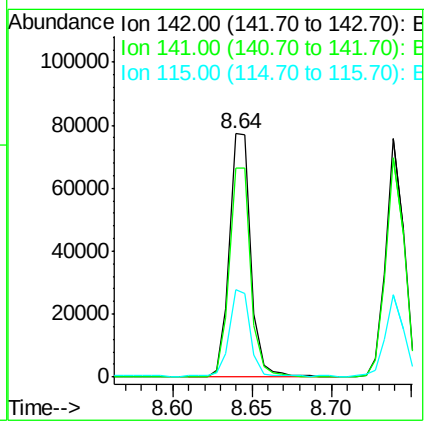
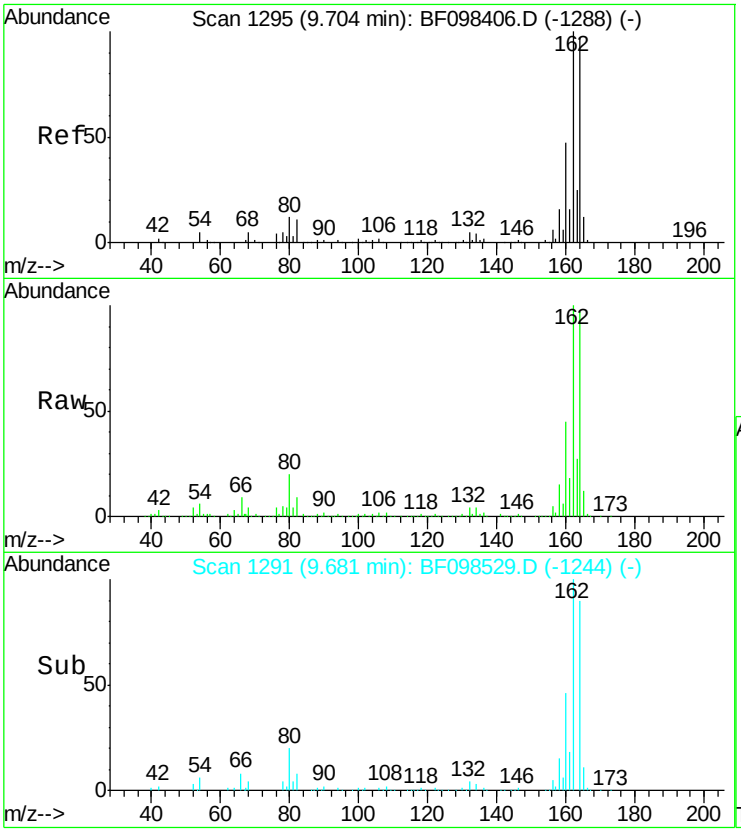


#37
2-Methylnaphthalene
Concen: 4.260 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:142 Resp: 73007

Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.3	106.9
115	36.1	27.1	40.7

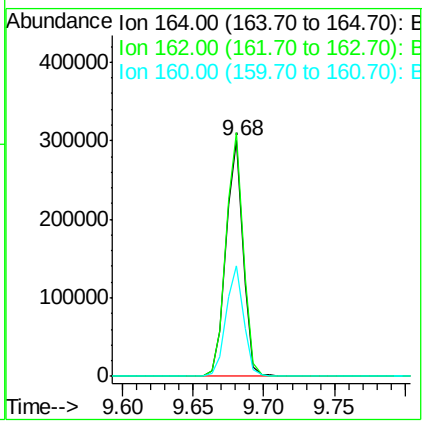




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:164 Resp: 253968

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	46.9	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
G-5-2

Manual Integrations APPROVED
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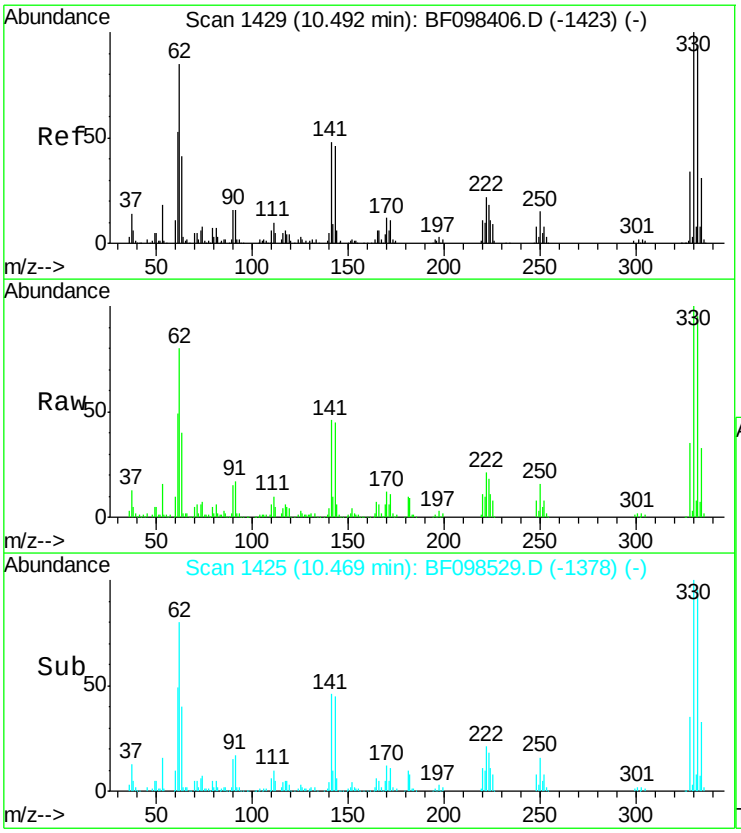
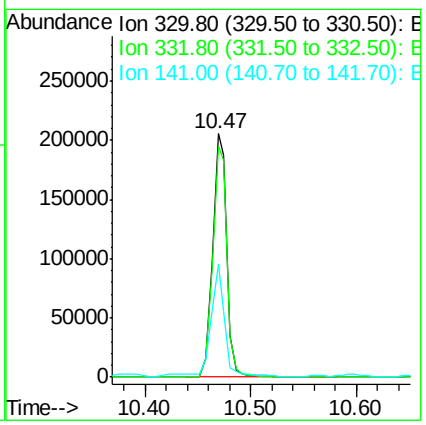
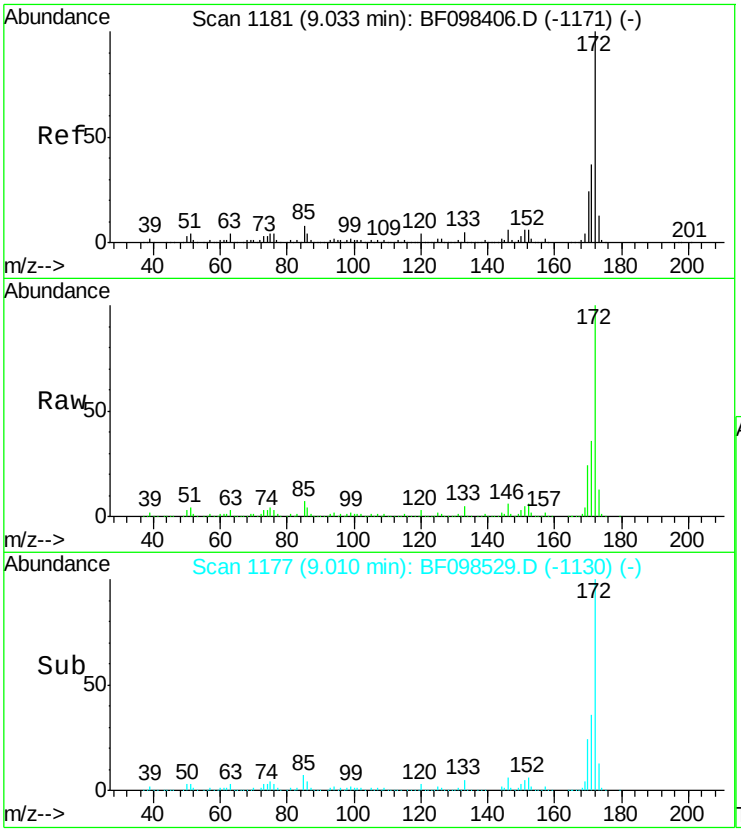


#41
2,4,6-Tribromophenol
Concen: 116.209 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:330 Resp: 196977

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	43.0	31.4	47.2

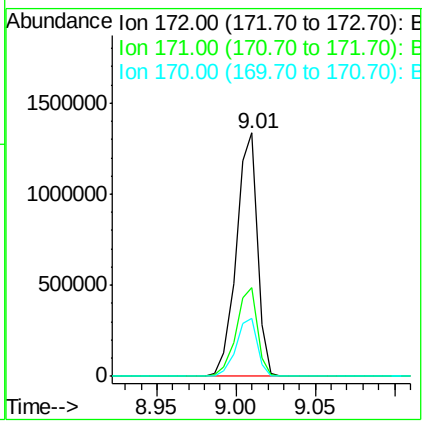




#44
2-Fluorobiphenyl
Concen: 82.356 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:172 Resp: 1234033

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8



Instrument :
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ClientSampleId :
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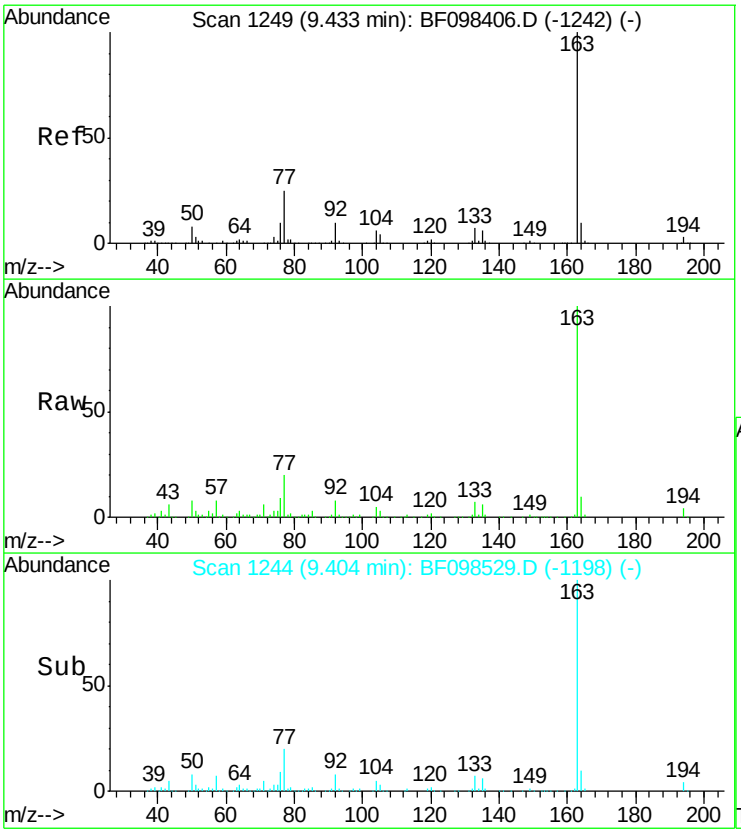
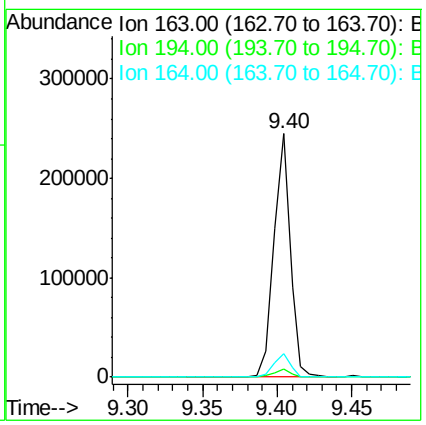
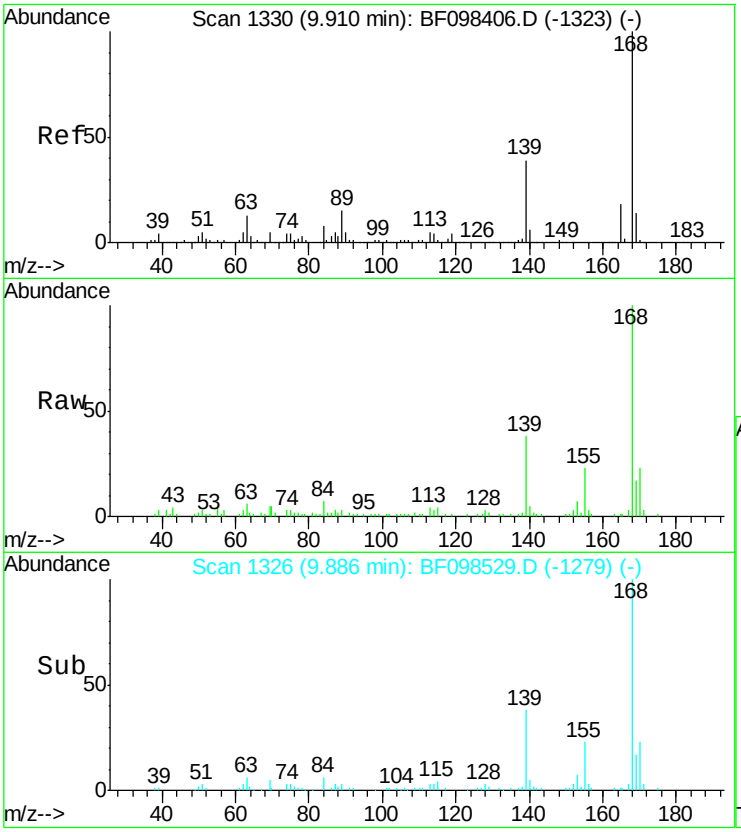


#49
Dimethylphthalate
Concen: 9.572 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:163 Resp: 188175

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.8	8.4	12.6

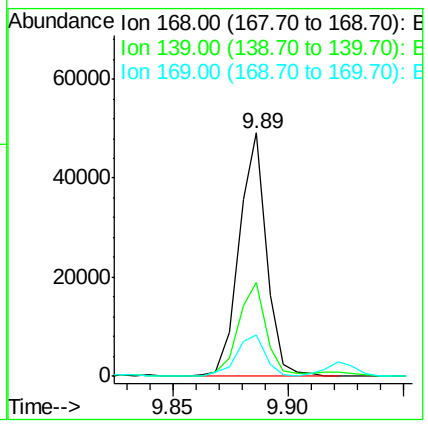




#54
Dibenzofuran
Concen: 2.011 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:168 Resp: 40657

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.6	45.8
169	16.9	10.8	16.2#



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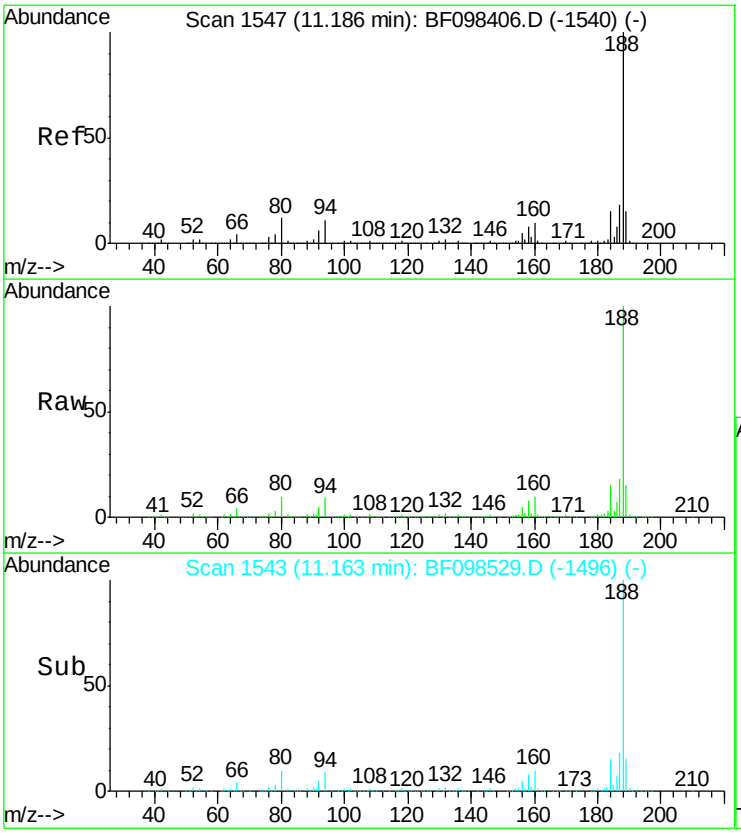
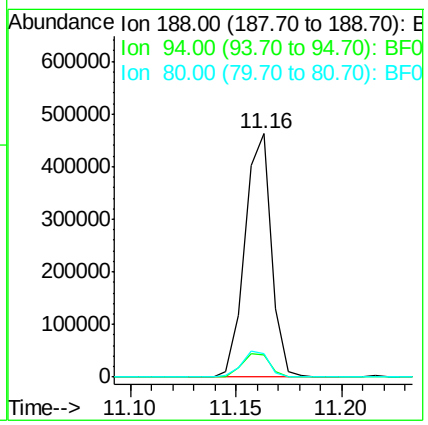
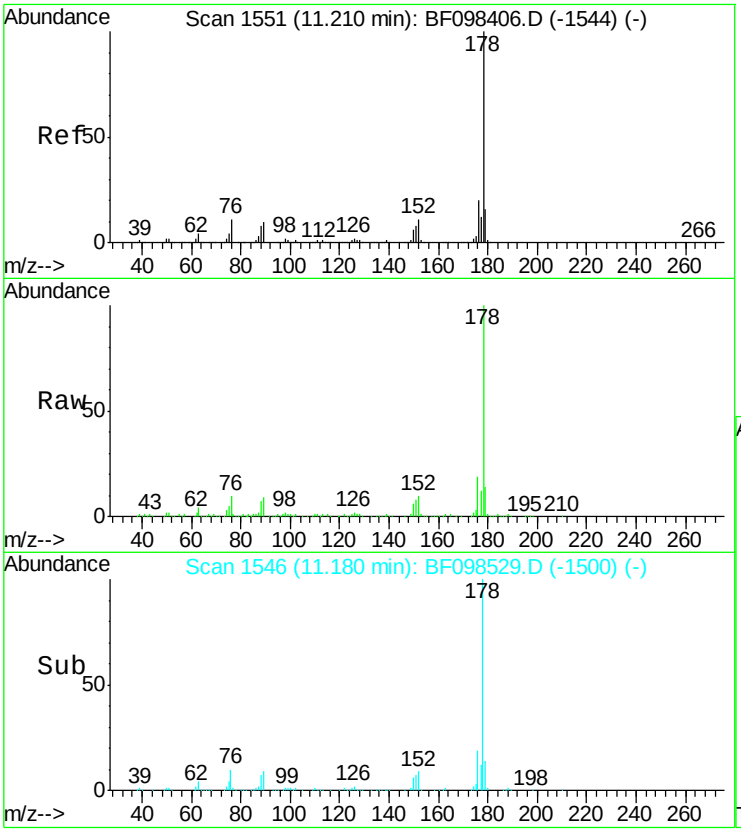


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:188 Resp: 402462

Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.4	14.2#
80	9.8	10.2	15.2#

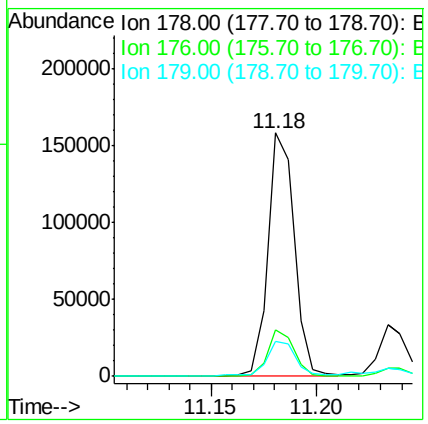




#70
Phenanthrene
Concen: 6.483 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.03 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

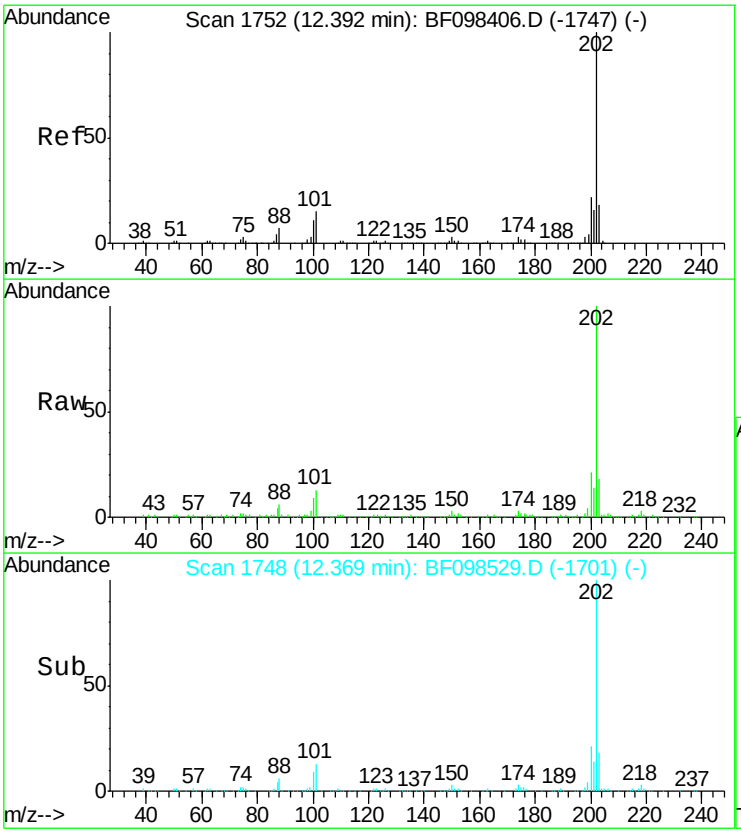
Tgt Ion:178 Resp: 138311

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	14.2	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
G-5-2

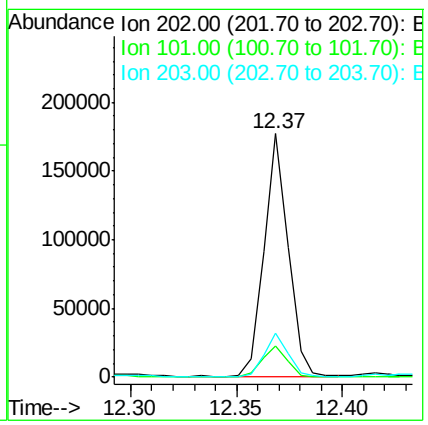
Manual Integrations APPROVED
Sohil
9/15/2017 5:43:34 PM

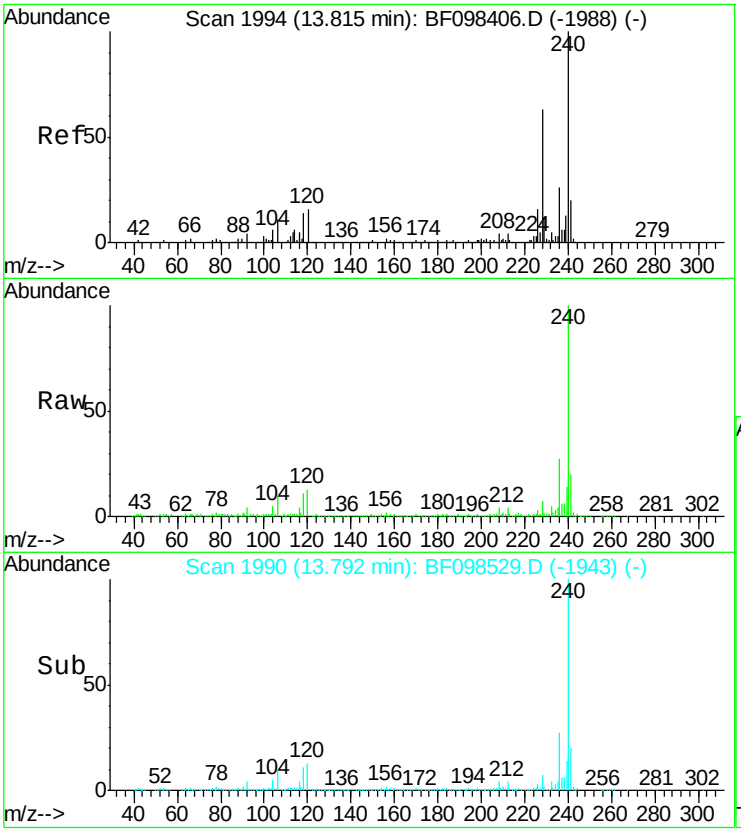


#74
Fluoranthene
Concen: 6.575 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:202 Resp: 140438

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.9	0.0	38.1

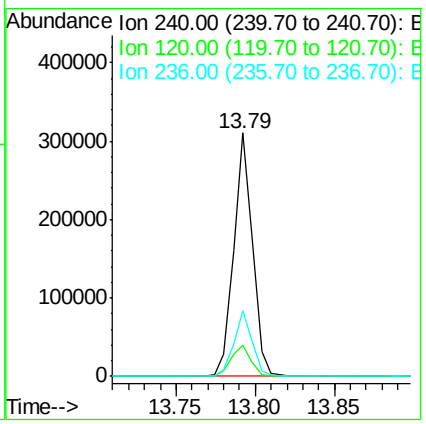




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:240 Resp: 256072

Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	26.9	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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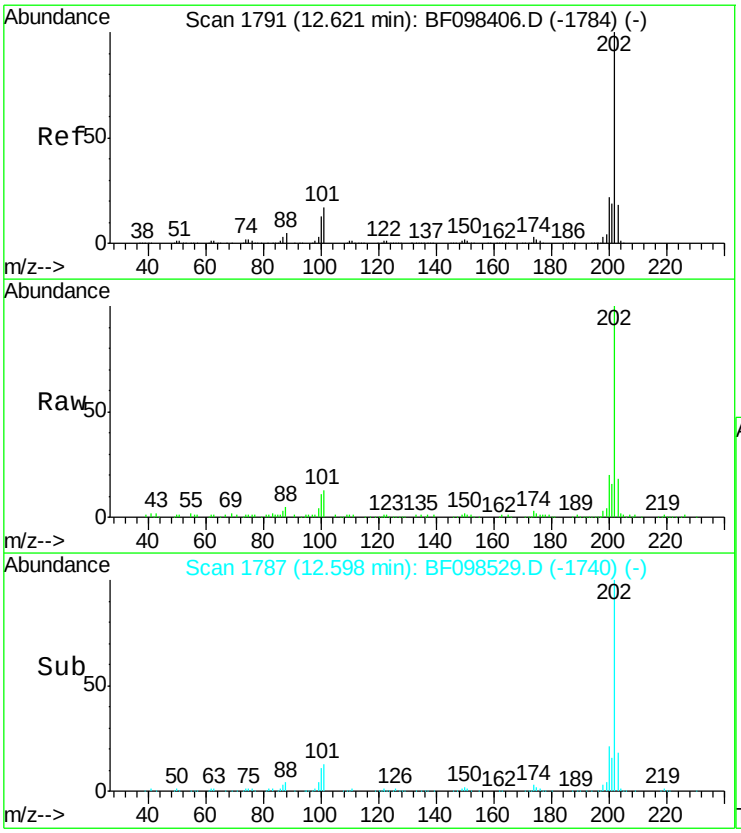
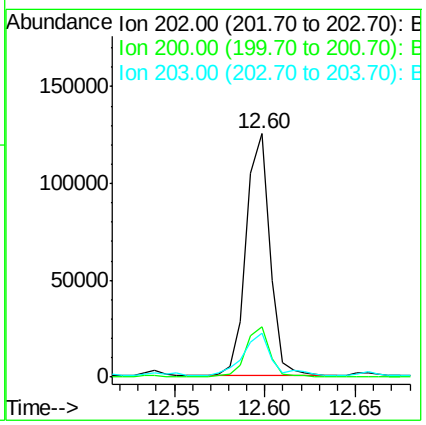
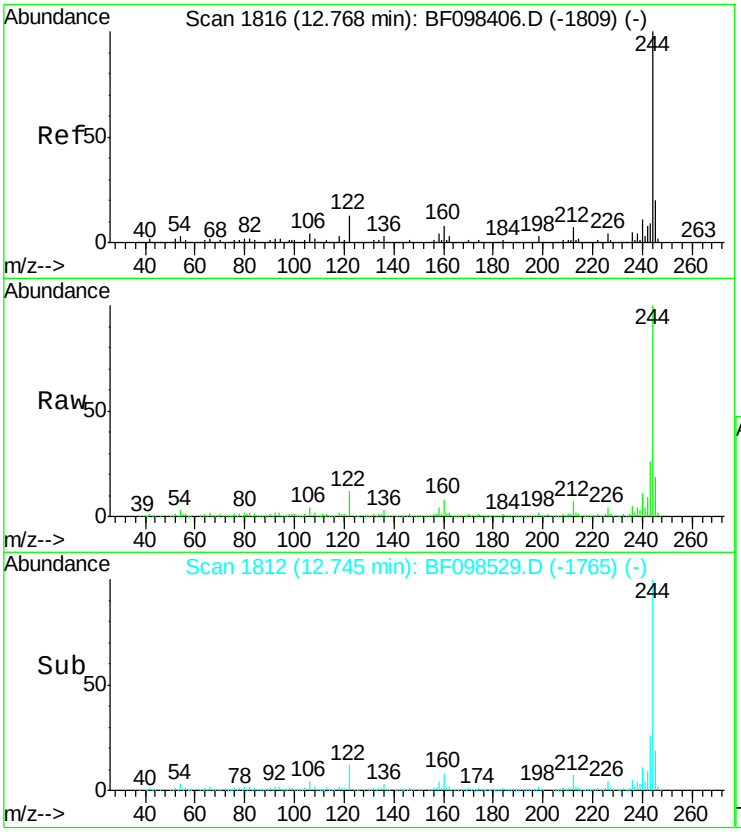


#77
Pyrene
Concen: 5.695 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:202 Resp: 115044

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.8	14.4	21.6

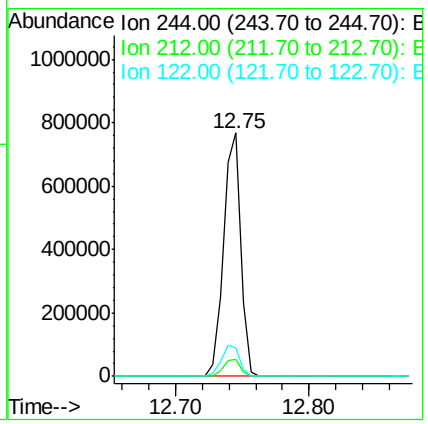




#78
Terphenyl-d14
Concen: 59.204 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:244 Resp: 702378

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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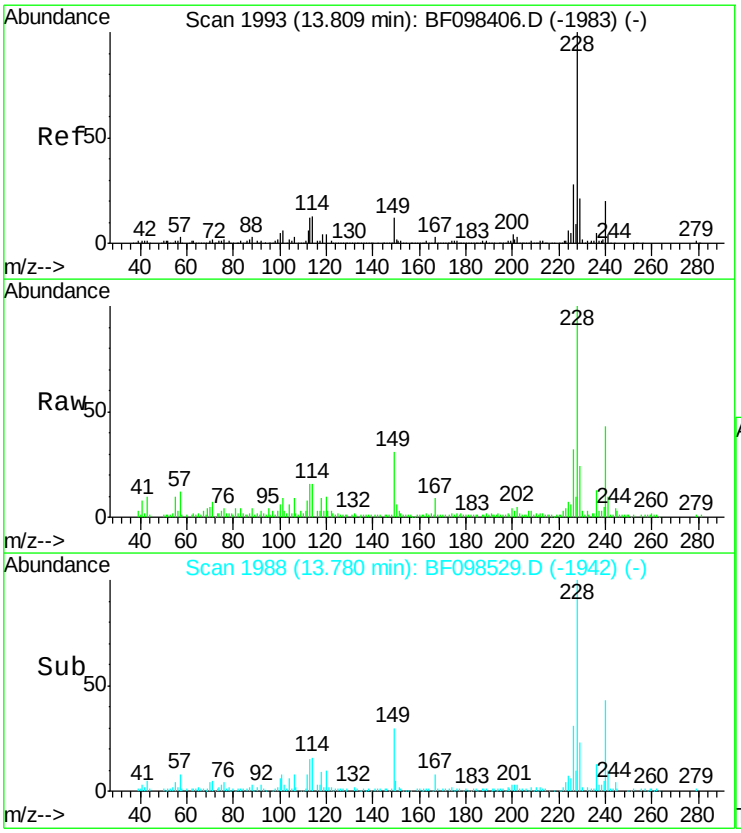
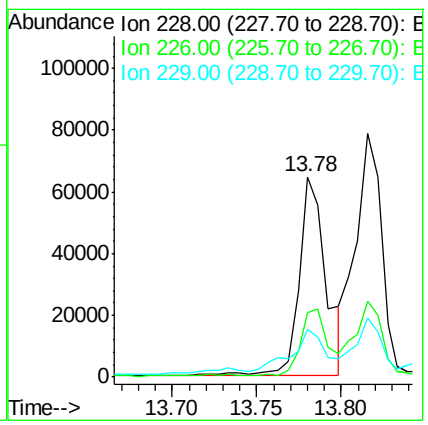
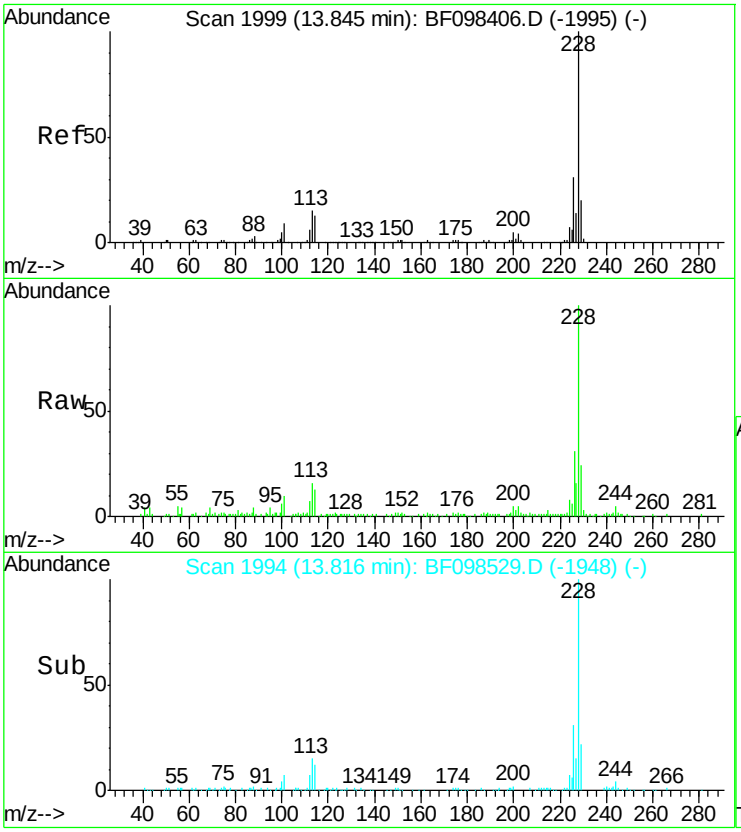


#80
Benzo(a)anthracene
Concen: 4.797 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.03 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:228 Resp: 72019

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	23.7	16.3	24.5

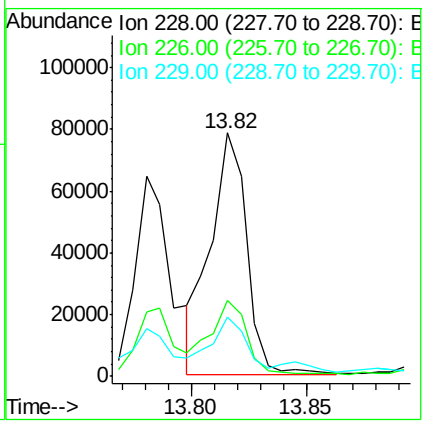




#82
Chrysene
Concen: 5.630 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.03 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:228 Resp: 85445

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	24.1	15.8	23.6#



Instrument :
BNA_F
ClientSampleId :
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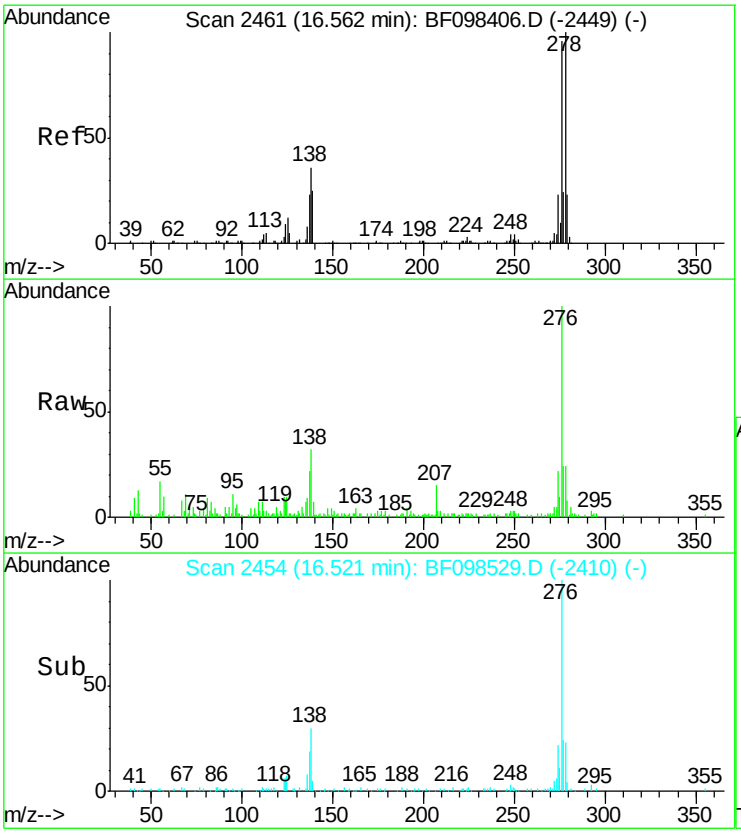
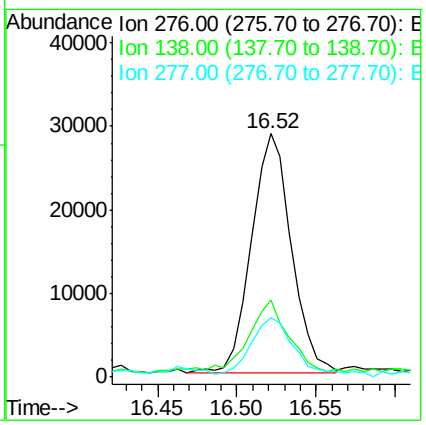
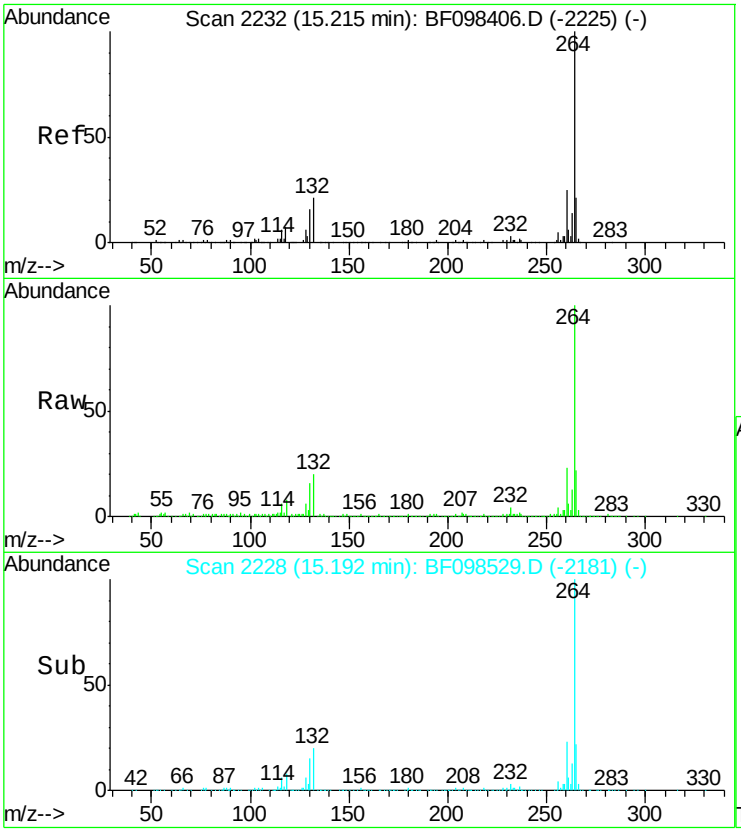


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.698 ng
RT: 16.52 min Scan# 2454
Delta R.T. -0.04 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:276 Resp: 50022

Ion	Ratio	Lower	Upper
276	100		
138	31.3	27.8	41.6
277	28.6	20.2	30.4

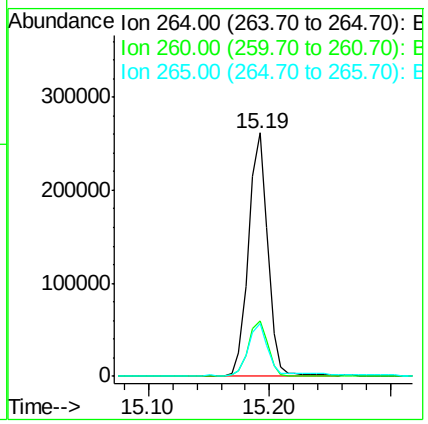




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:264 Resp: 295021

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.9	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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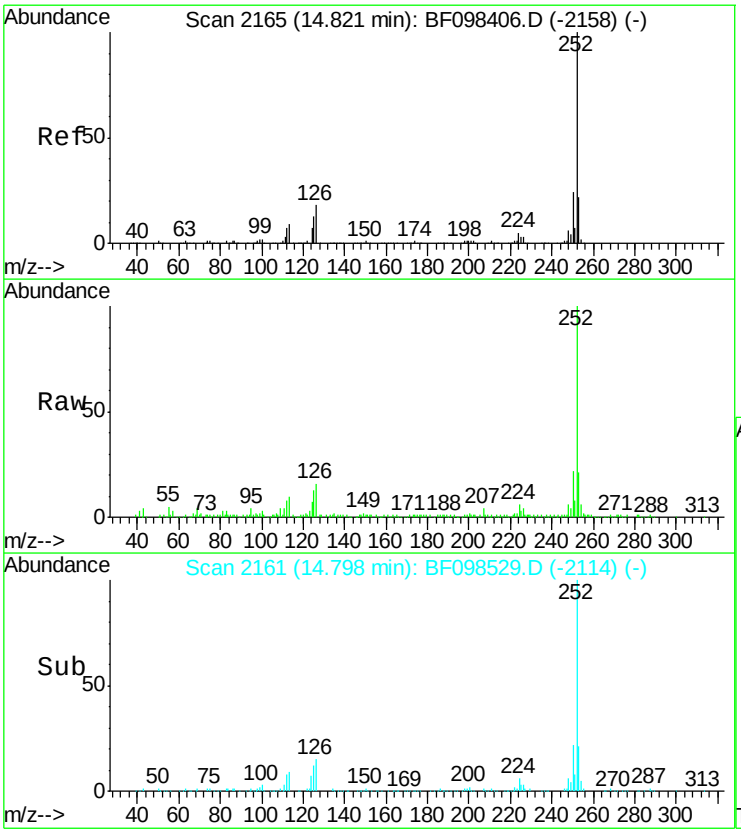
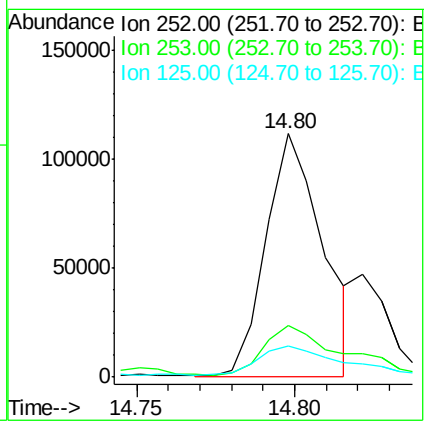
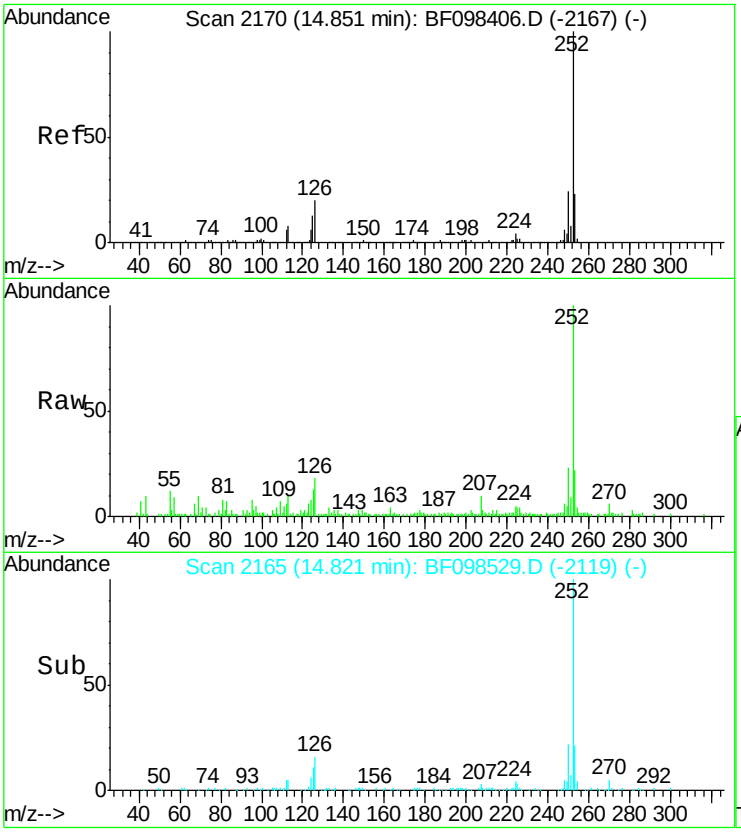


#87
Benzo(b)fluoranthene
Concen: 7.603 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:252 Resp: 141033

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	12.9	9.8	14.8

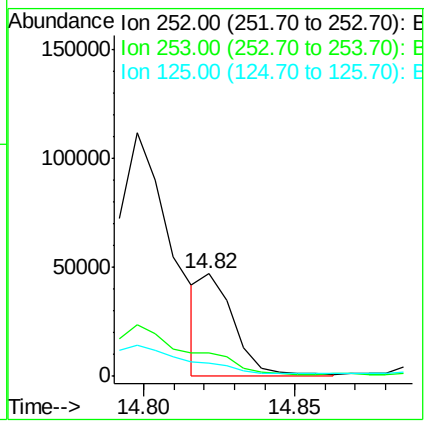




#88
Benzo(k)fluoranthene
Concen: 2.117 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:252 Resp: 36666

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	13.4	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
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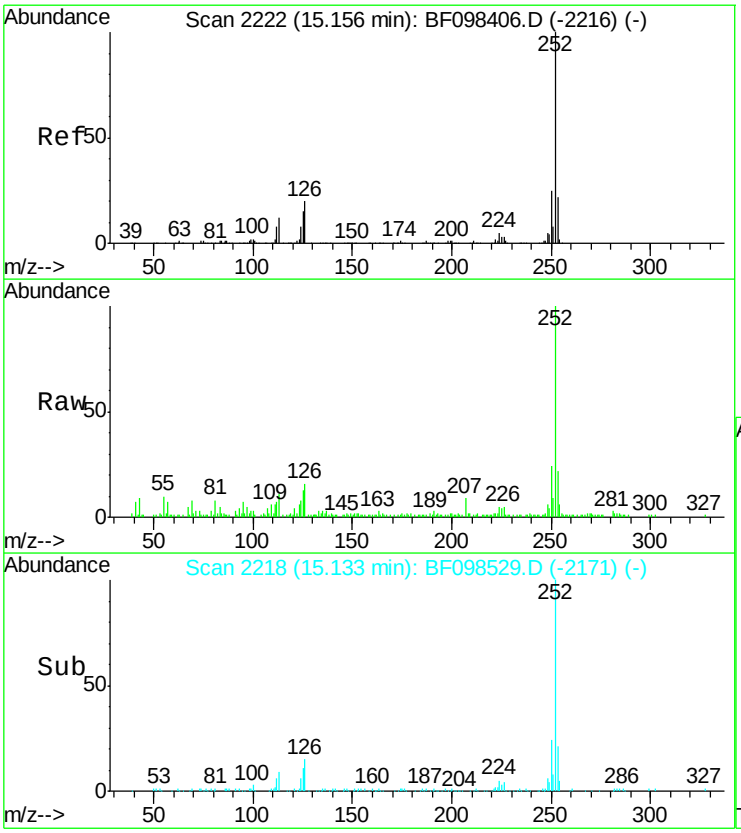
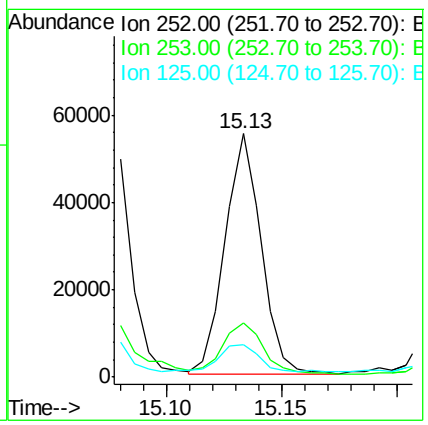
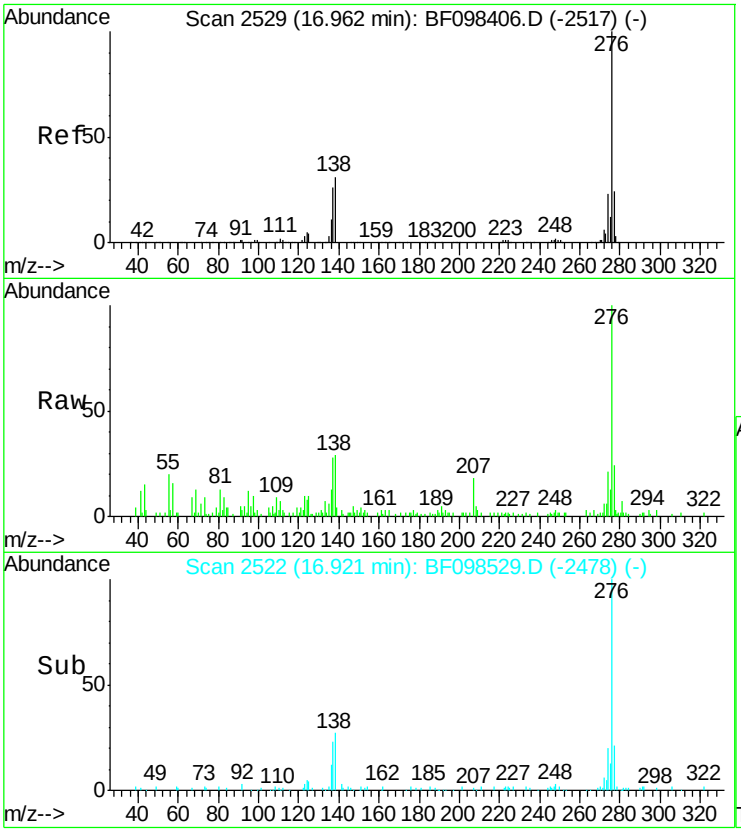


#89
Benzo(a)pyrene
Concen: 3.639 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:252 Resp: 60146

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.3	11.0	16.4

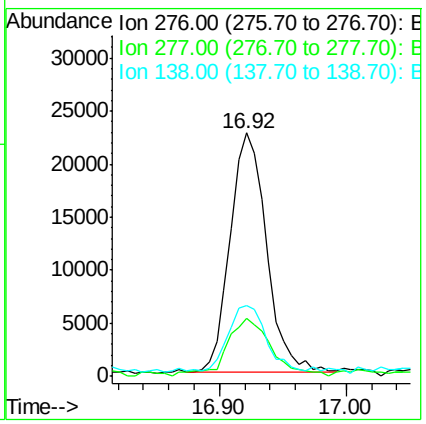




#91
Benzo(g,h,i)perylene
Concen: 3.750 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF098529.D
Acq: 14 Sep 2017 15:12

Tgt Ion:276 Resp: 45339

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	28.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
G-5-2

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