Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
Data File : BF098561.D
Acq On : 15 Sep 2017 11:23
Operator : SJ/JU
Sample : I5161-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Manual Integrations APPROVED
Sohil
9/18/2017 3:33:23 PM

Quant Time: Sep 15 14:09:21 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 15 13:23:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	133239	20.00	ng		0.00
21) Naphthalene-d8	7.93	136	561073	20.00	ng		0.00
38) Acenaphthene-d10	9.68	164	256750	20.00	ng		0.00
63) Phenanthrene-d10	11.16	188	453030	20.00	ng		0.00
75) Chrysene-d12	13.80	240	274254	20.00	ng		0.00
86) Perylene-d12	15.20	264	282591	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	943417	104.69	ng		0.01
7) Phenol-d6	6.30	99	1185692	103.63	ng		0.00
23) Nitrobenzene-d5	7.22	82	735997	73.13	ng		0.00
41) 2,4,6-Tribromophenol	10.47	330	198538	115.86	ng		0.00
44) 2-Fluorobiphenyl	9.00	172	1100366	72.64	ng		0.00
78) Terphenyl-d14	12.74	244	714529	56.24	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.32	94	35335	2.659	ng		85
49) Dimethylphthalate	9.40	163	158652	7.983	ng		99
70) Phenanthrene	11.19	178	307193	12.791	ng		98
71) Anthracene	11.24	178	64354	2.610	ng		98
74) Fluoranthene	12.37	202	468658	19.493	ng		97
77) Pyrene	12.60	202	383333	17.718	ng		99
80) Benzo(a)anthracene	13.79	228	172924	10.755	ng		99
82) Chrysene	13.83	228	161887	9.960	ng		97
85) Indeno(1,2,3-cd)pyrene	16.54	276	84628	7.422	ng	#	92
87) Benzo(b)fluoranthene	14.81	252	200078m	11.260	ng		
88) Benzo(k)fluoranthene	14.83	252	78478m	4.731	ng		
89) Benzo(a)pyrene	15.14	252	146614	9.262	ng		97
90) Dibenzo(a,h)anthracene	16.54	278	25517m	2.216	ng		
91) Benzo(g,h,i)perylene	16.94	276	84191	7.269	ng		95

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

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Misc :
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BNA_F
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RL-14-0-14.25

Manual Integrations APPROVED
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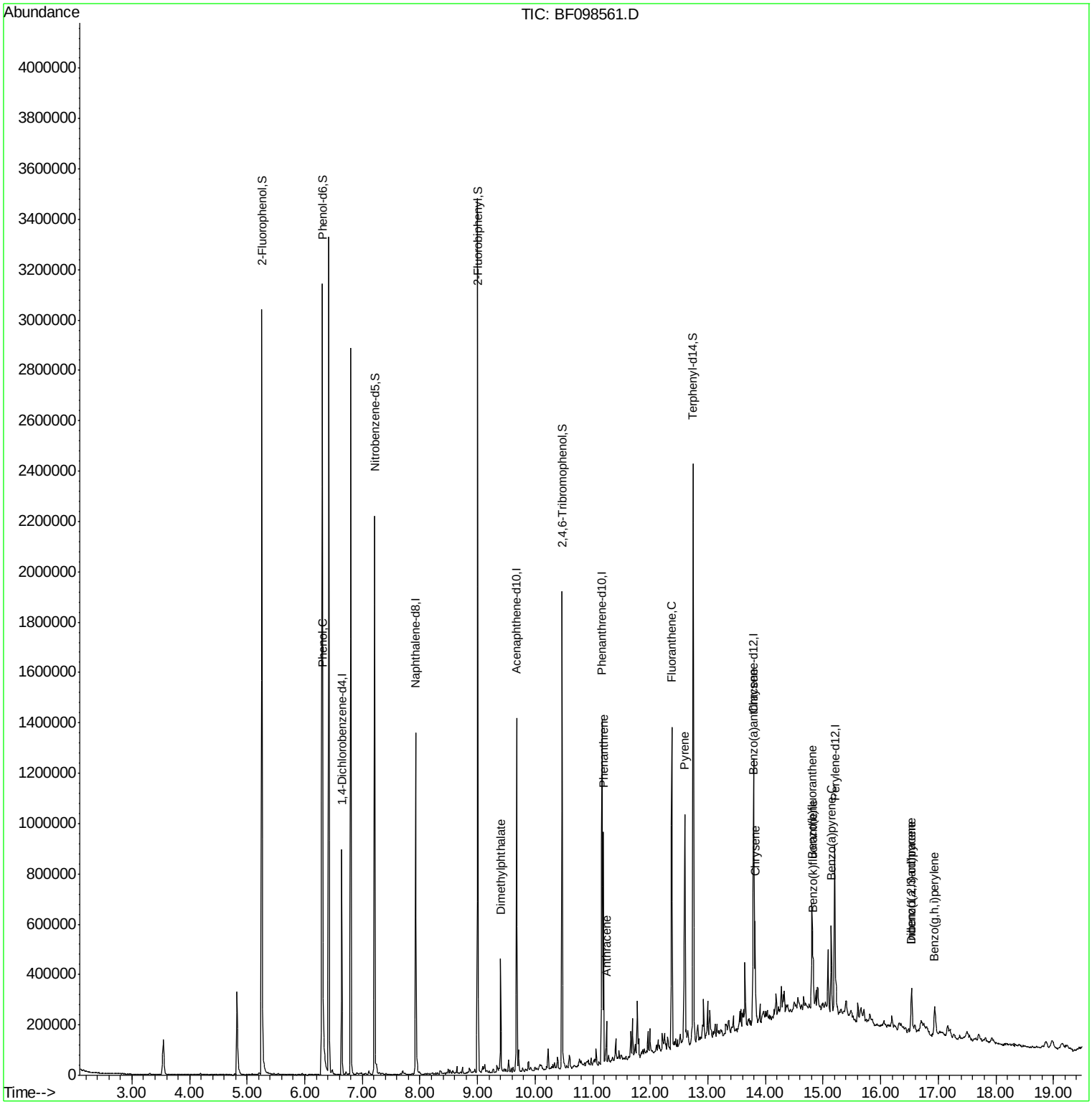
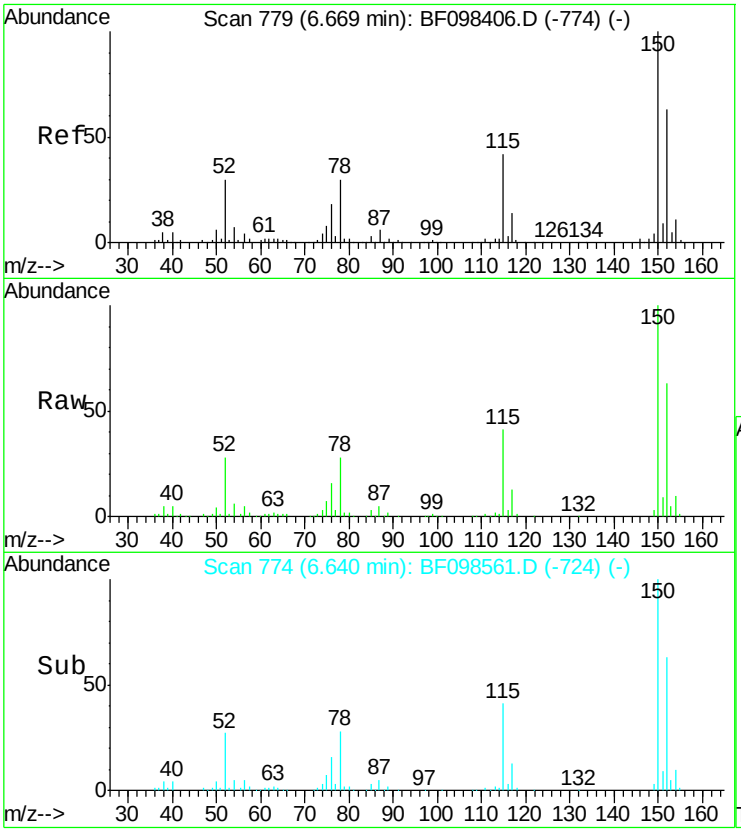
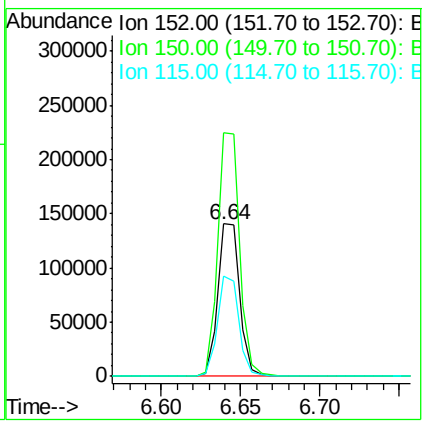




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:152 Resp: 133239

Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	65.5	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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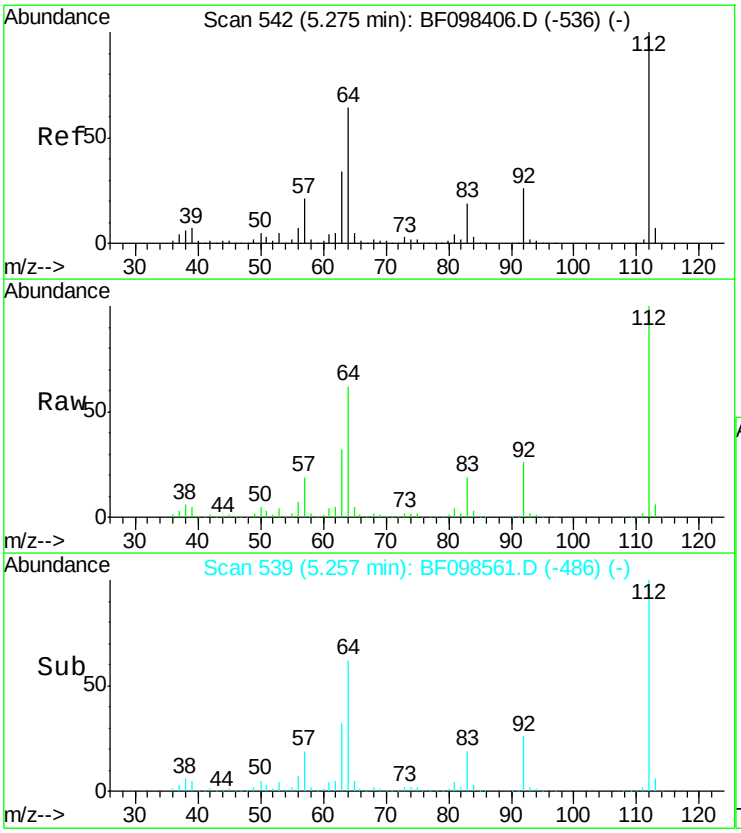
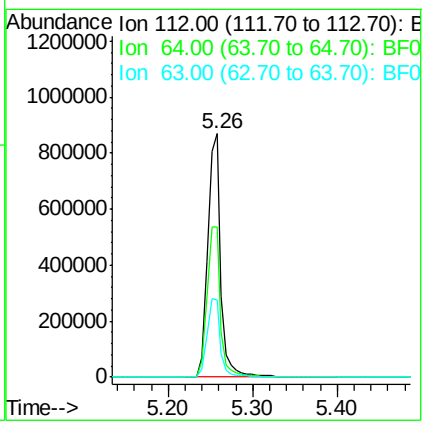
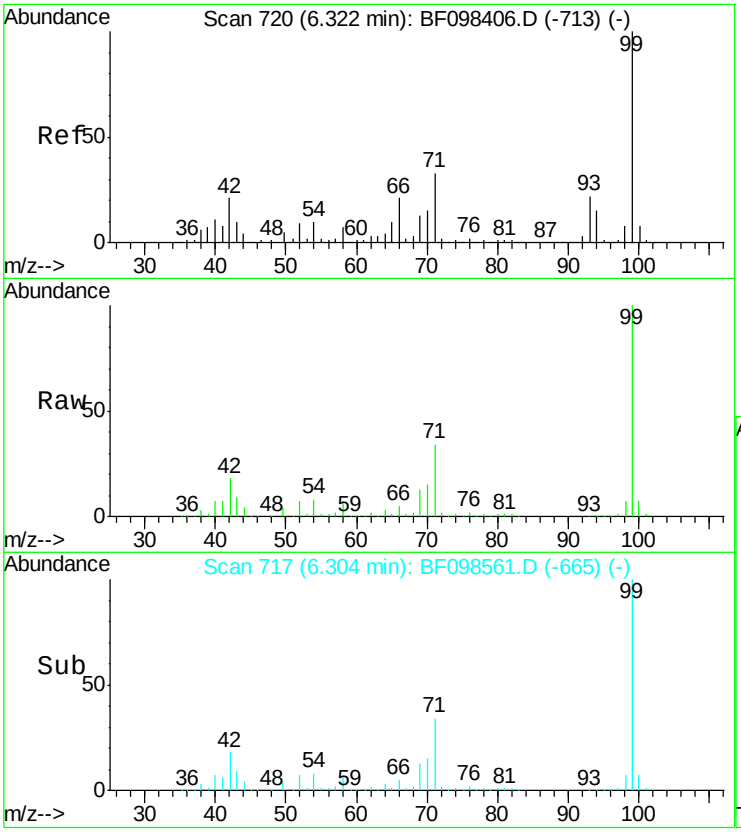


#5
2-Fluorophenol
Concen: 104.689 ng
RT: 5.26 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:112 Resp: 943417

Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	31.6	23.4	35.0

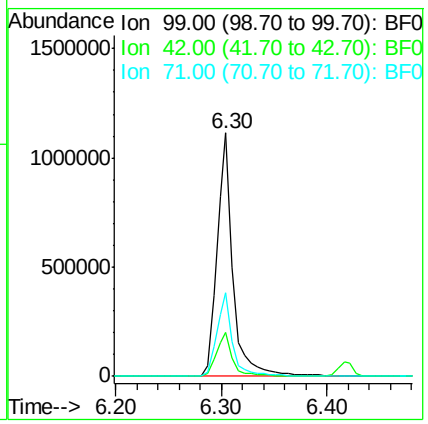




#7
Phenol-d6
Concen: 103.629 ng
RT: 6.30 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion: 99 Resp: 1185692

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	34.3	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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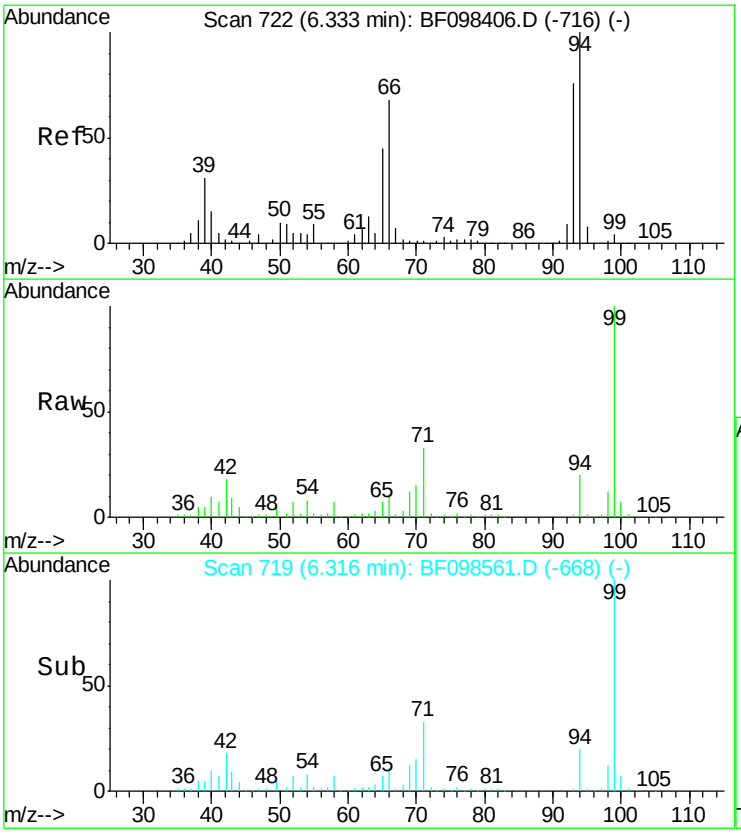
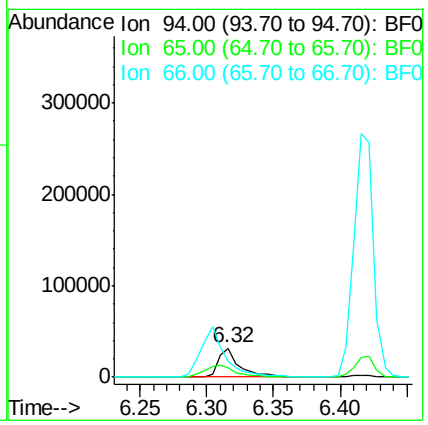
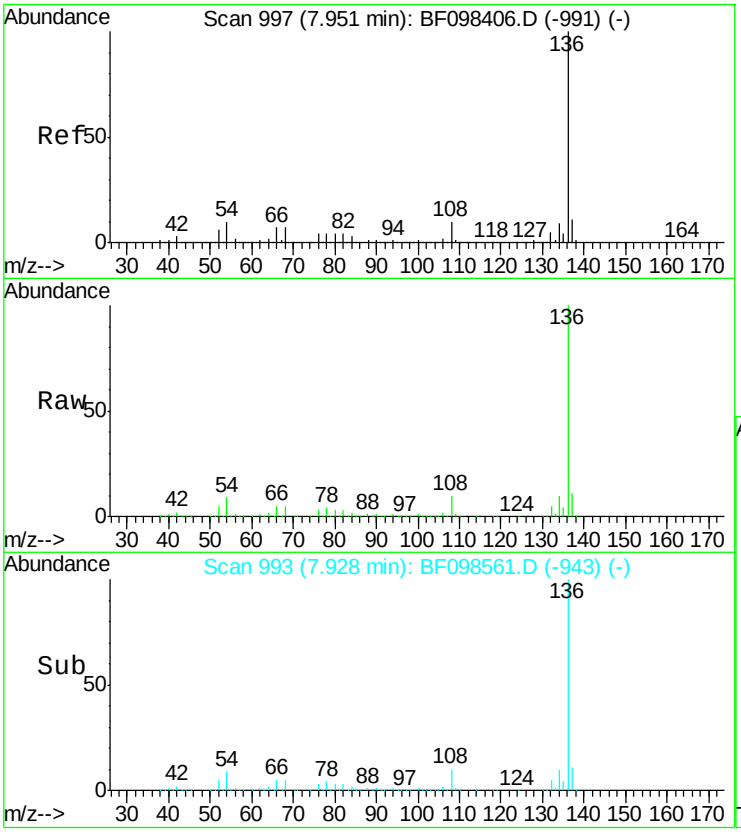


#10
Phenol
Concen: 2.659 ng
RT: 6.32 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion: 94 Resp: 35335

Ion	Ratio	Lower	Upper
94	100		
65	33.1	9.9	49.9
66	56.7	23.1	63.1

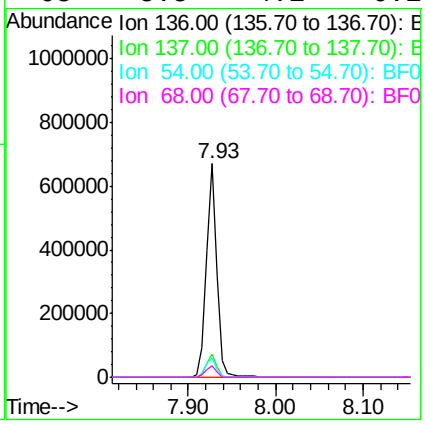




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:136 Resp: 561073

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.0	4.9	7.3#
68	5.5	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Manual Integrations APPROVED
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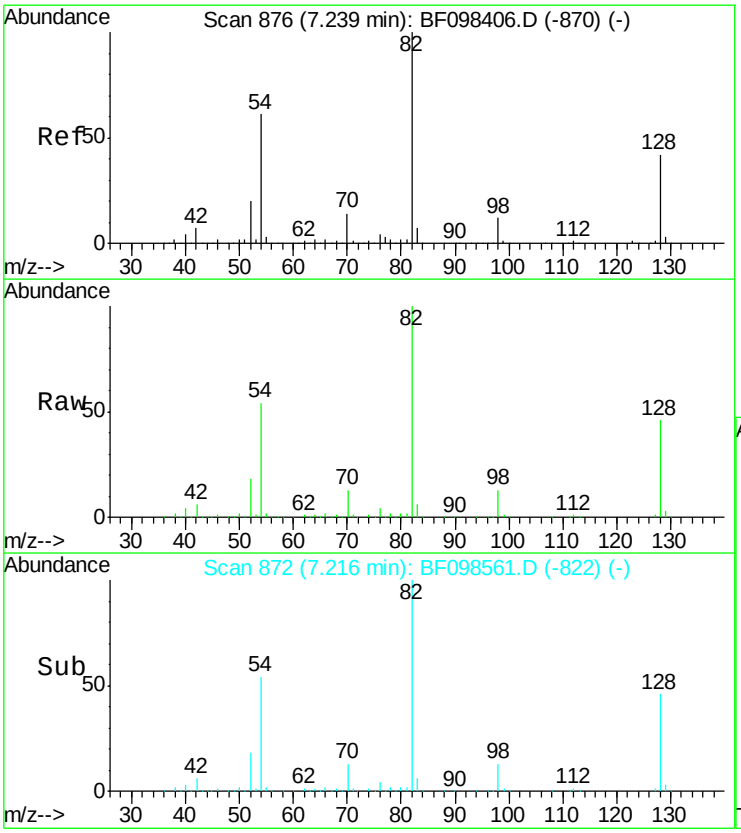
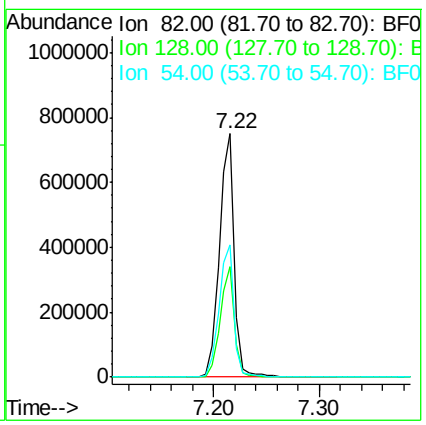
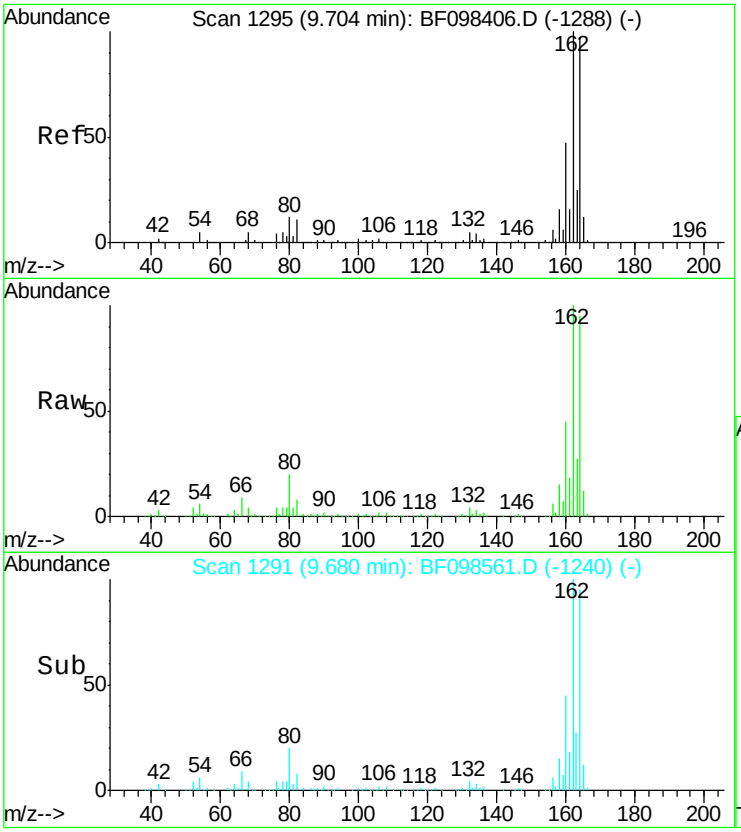


#23
Nitrobenzene-d5
Concen: 73.130 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion: 82 Resp: 735997

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	54.1	42.2	63.2

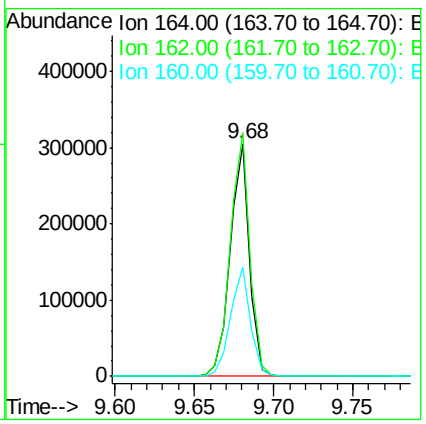




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:164 Resp: 256750

Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	47.0	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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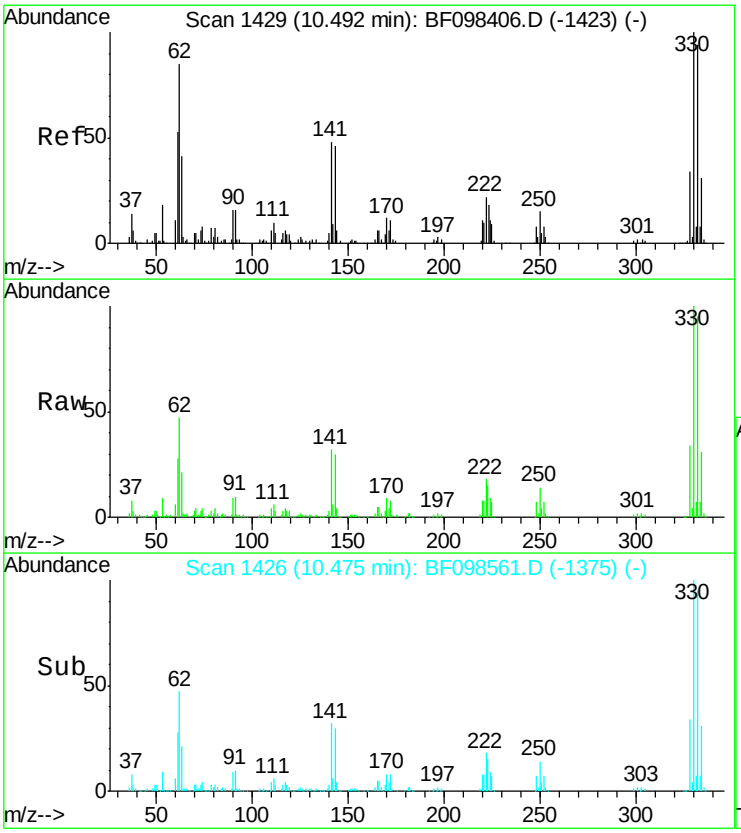
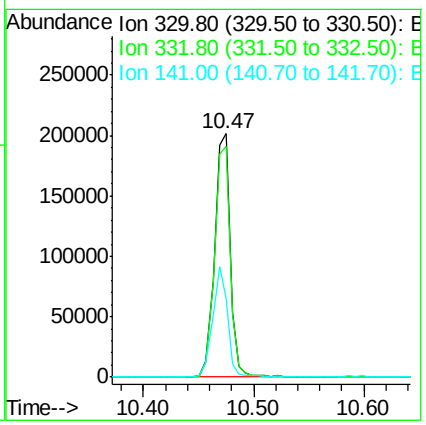
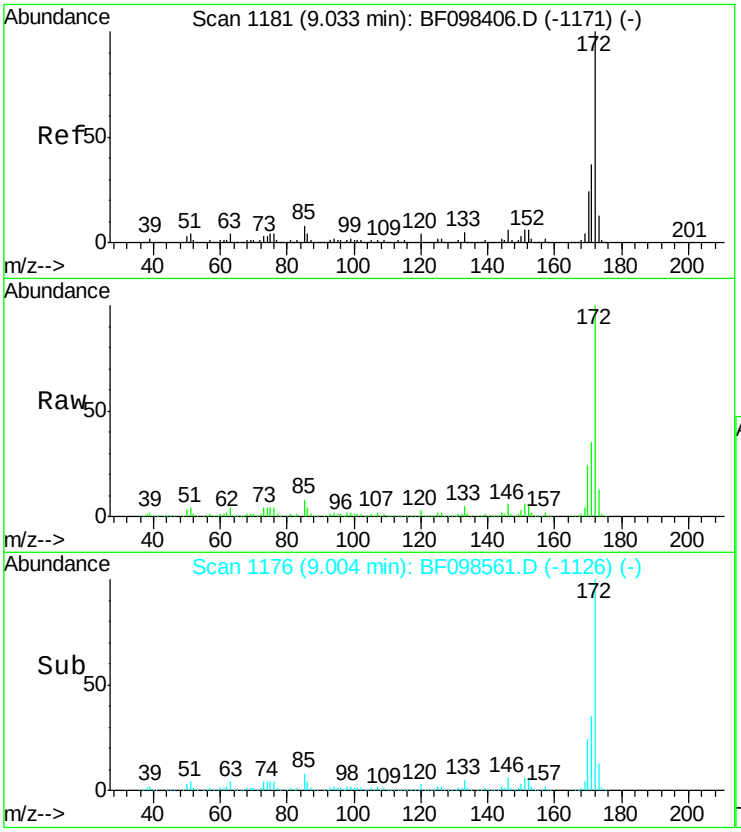


#41
2,4,6-Tribromophenol
Concen: 115.860 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:330 Resp: 198538

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	43.0	31.4	47.2

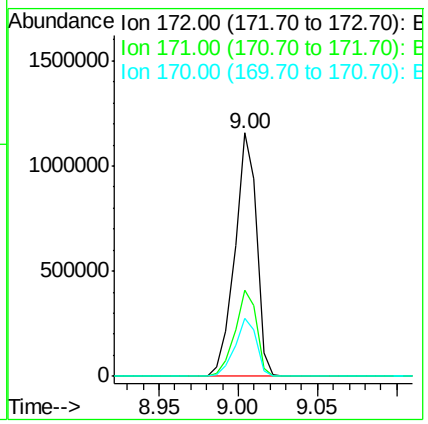




#44
2-Fluorobiphenyl
Concen: 72.640 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:172 Resp: 1100366

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.6	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Manual Integrations APPROVED
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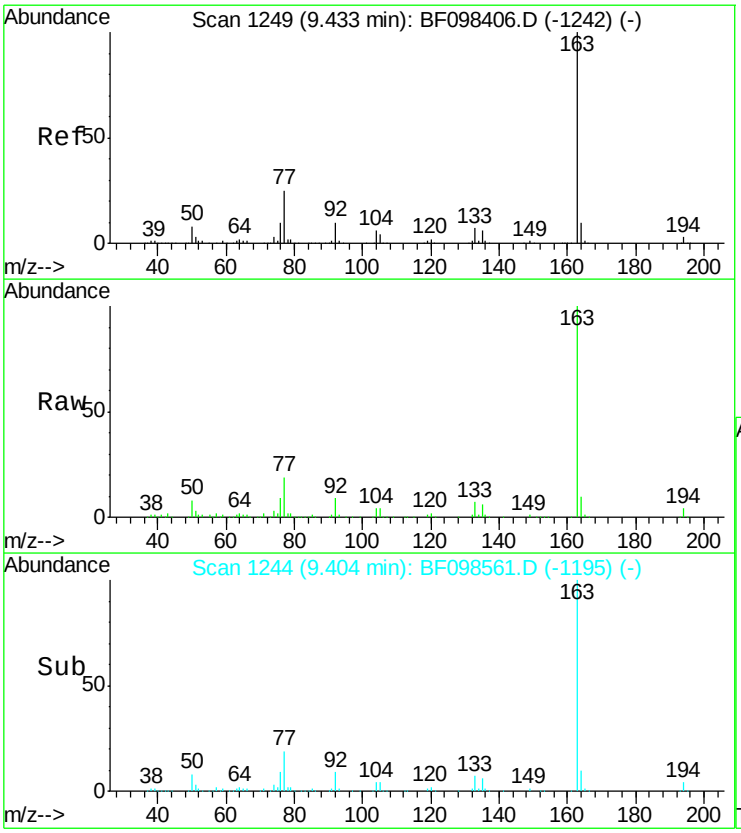
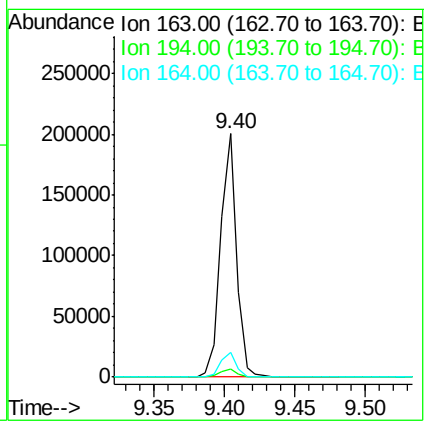
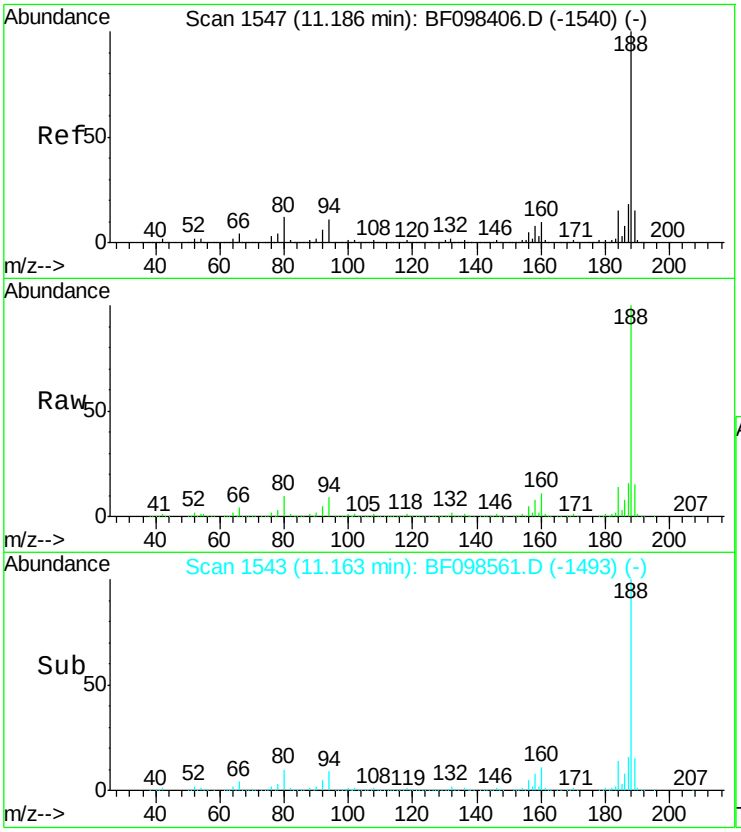


#49
Dimethylphthalate
Concen: 7.983 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:163 Resp: 158652

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.2	8.4	12.6





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:188 Resp: 453030

Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.4	14.2#
80	10.4	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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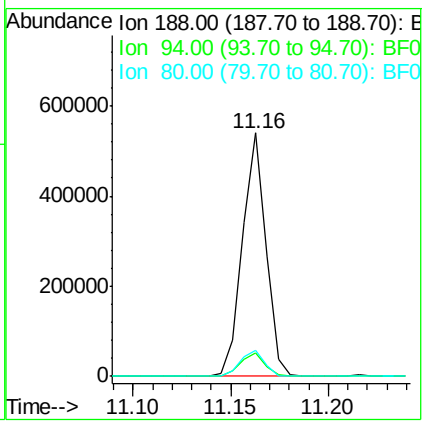
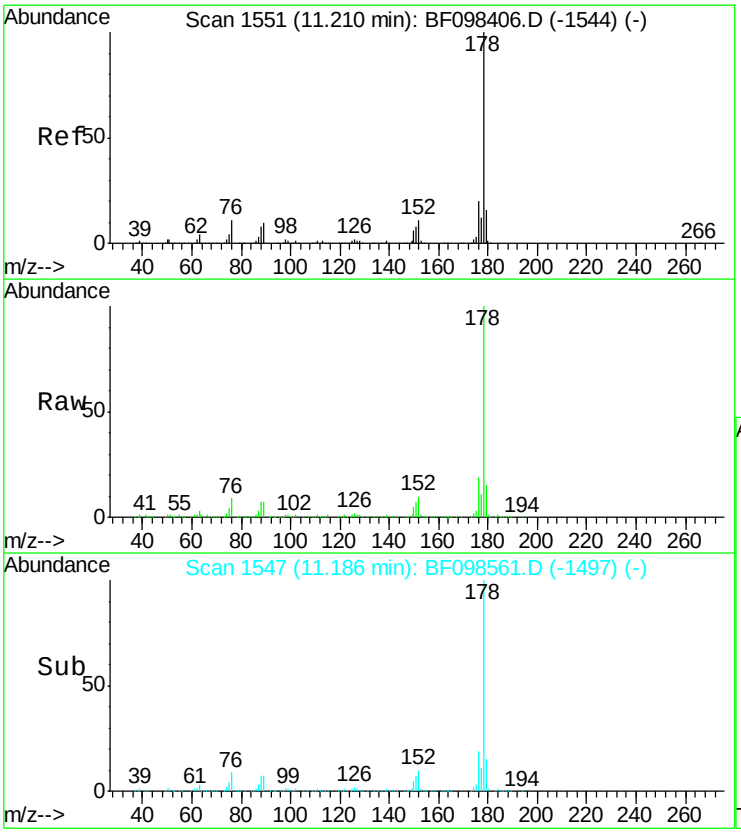
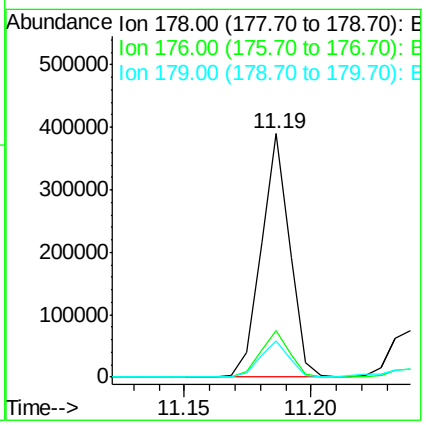


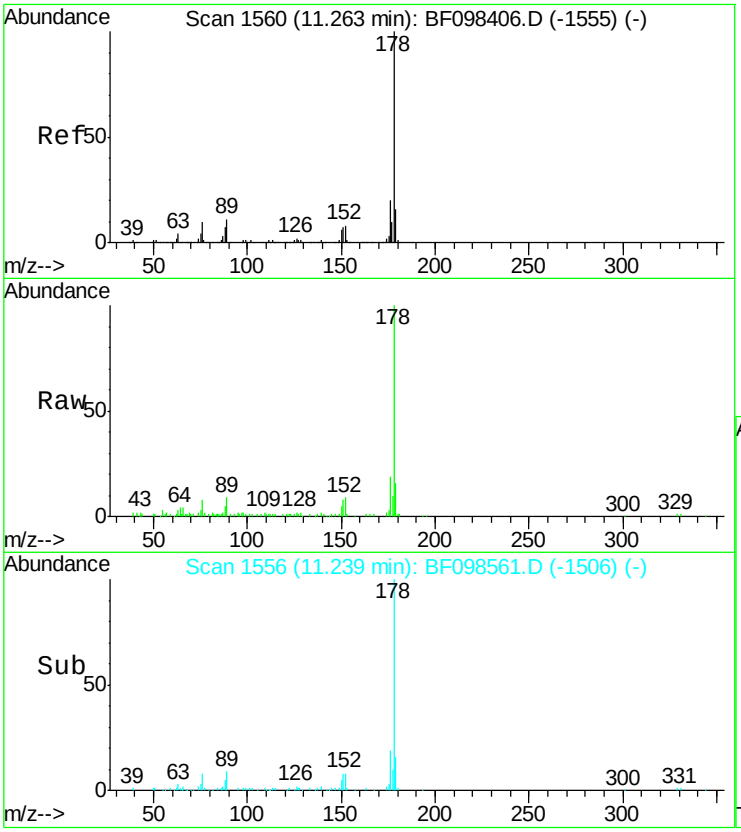


#70
Phenanthrene
Concen: 12.791 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:178 Resp: 307193

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.0	12.6	19.0

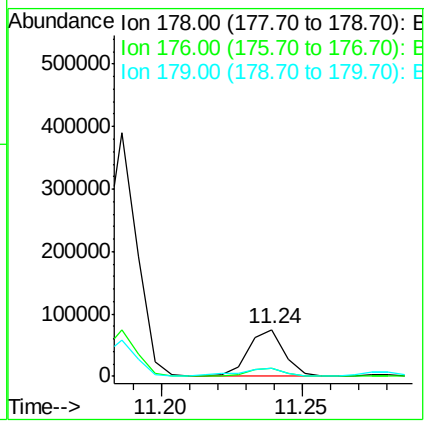




#71
Anthracene
Concen: 2.610 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:178 Resp: 64354

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.2	12.7	19.1



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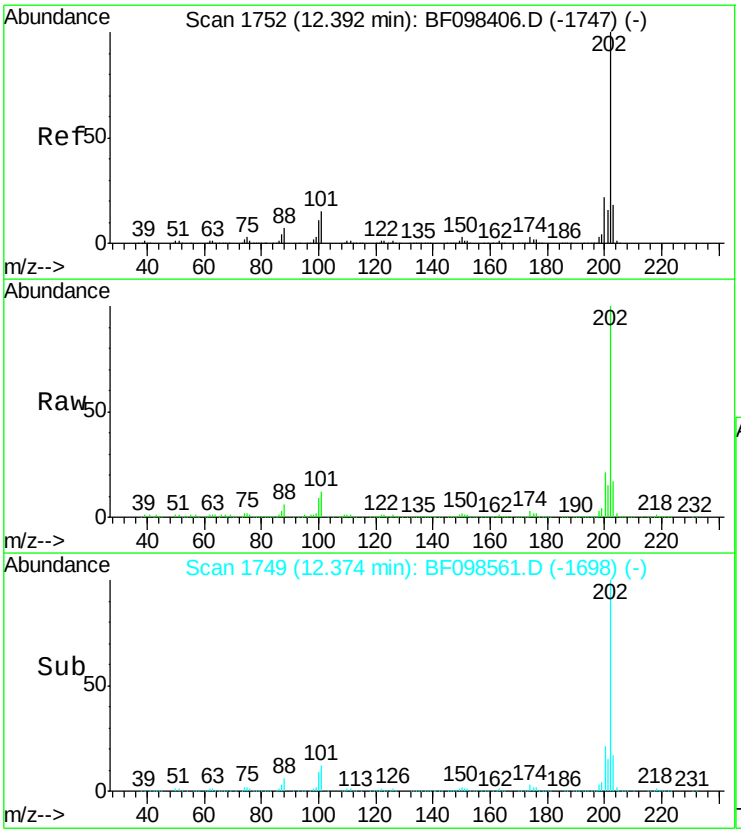
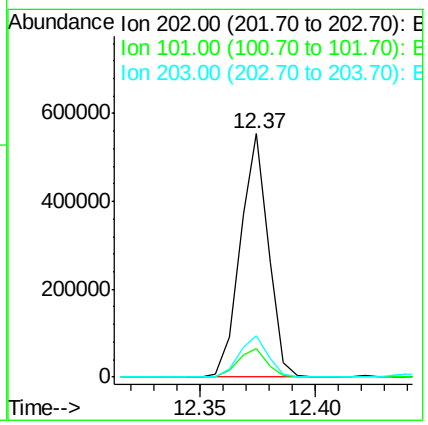
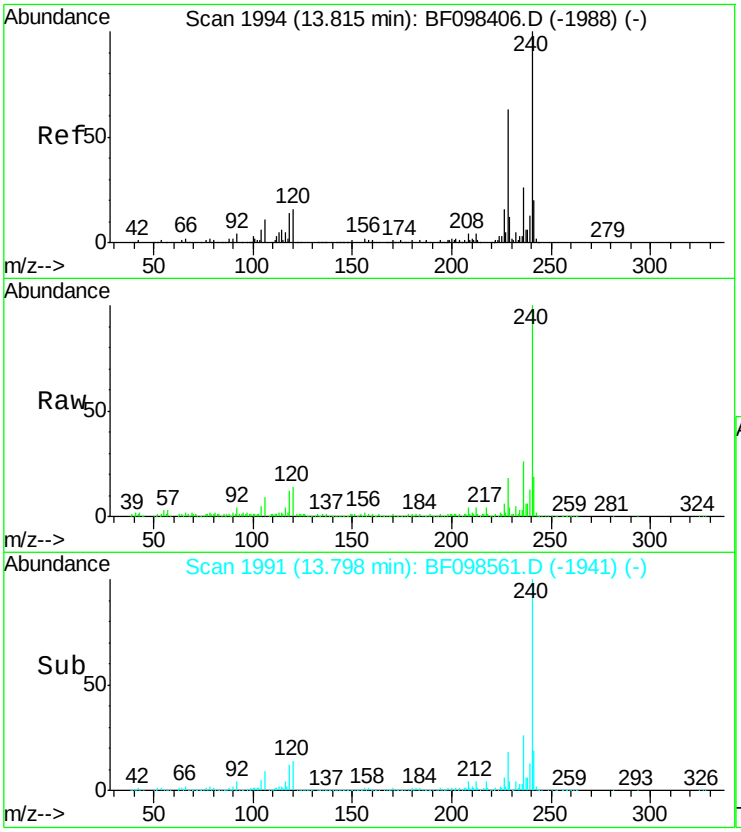


#74
Fluoranthene
Concen: 19.493 ng
RT: 12.37 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:202 Resp: 468658

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.2
203	17.0	0.0	38.1

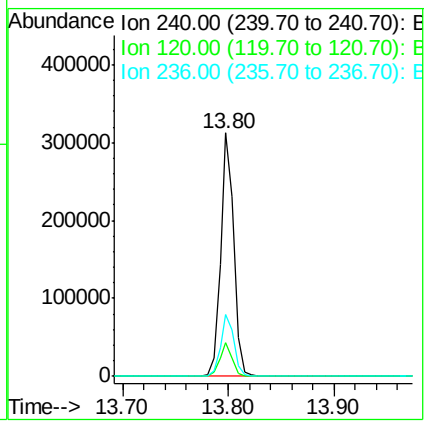




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:240 Resp: 274254

Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	25.7	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Manual Integrations APPROVED
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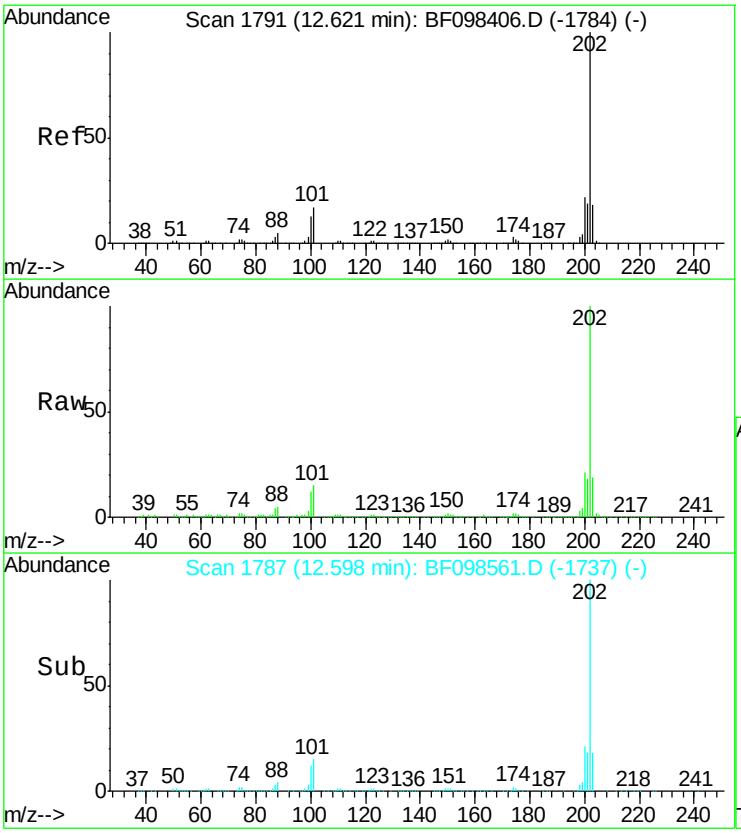
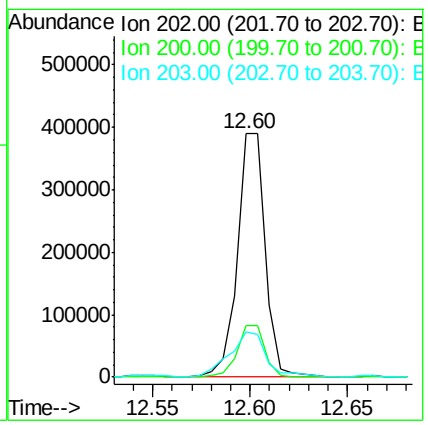
9/18/2017 3:33:23 PM

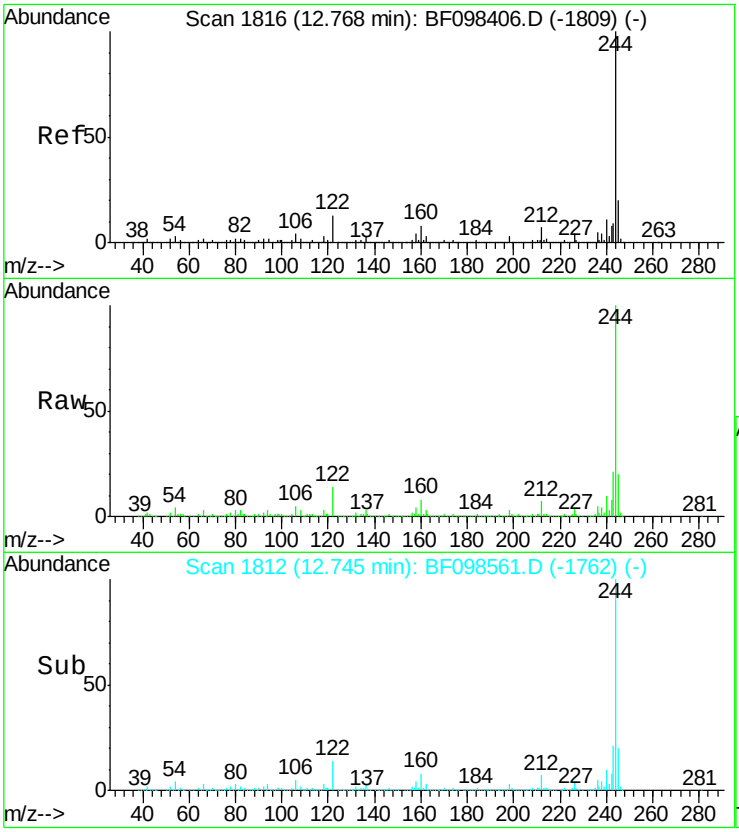


#77
Pyrene
Concen: 17.718 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:202 Resp: 383333

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.6	14.4	21.6

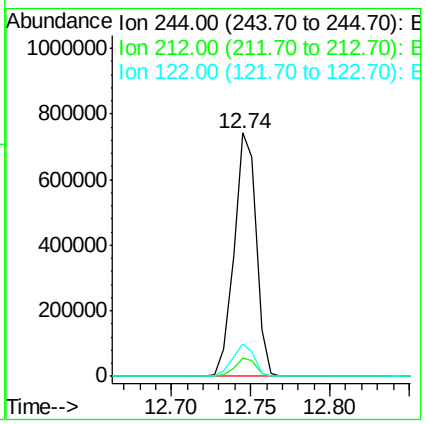




#78
Terphenyl-d14
Concen: 56.236 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:244 Resp: 714529

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.6	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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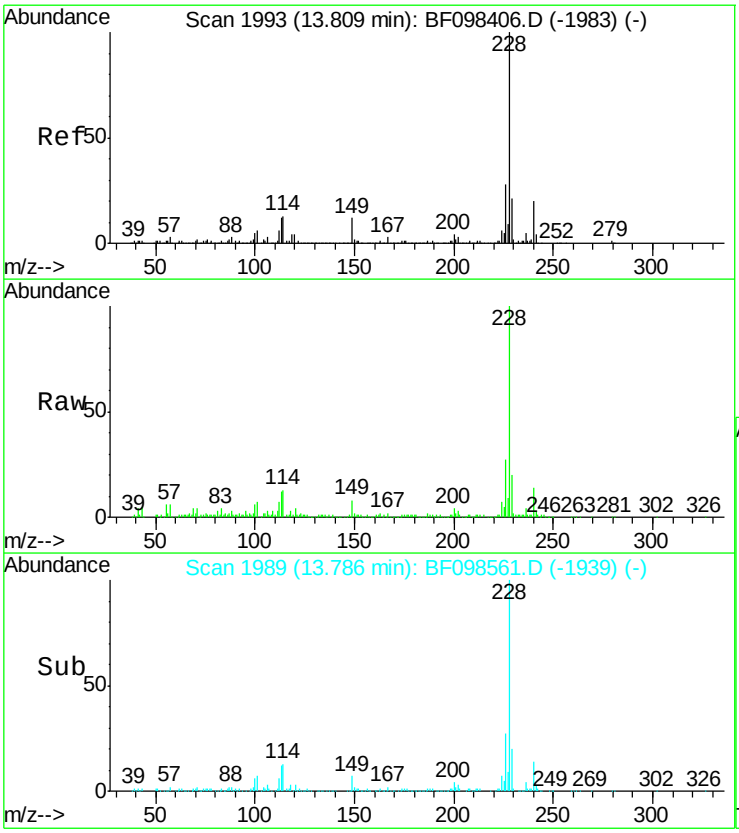
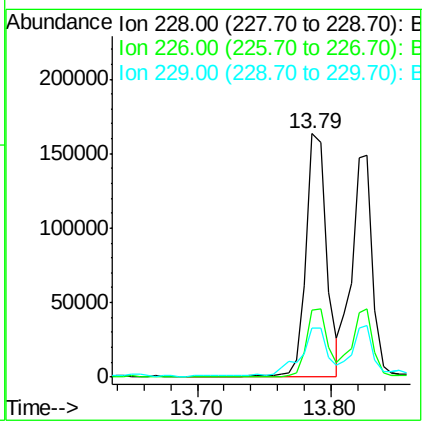
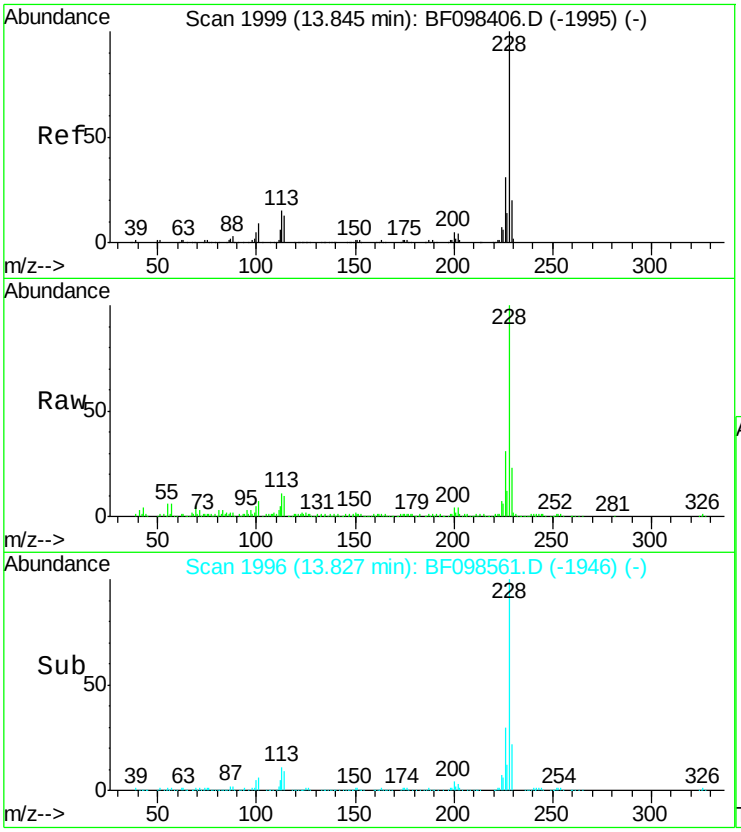


#80
Benzo(a)anthracene
Concen: 10.755 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:228 Resp: 172924

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.3	16.3	24.5

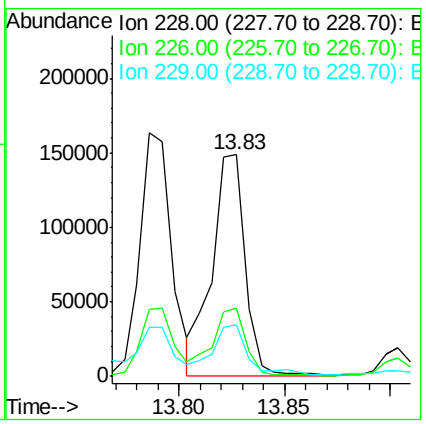




#82
Chrysene
Concen: 9.960 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:228 Resp: 161887

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	23.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Manual Integrations APPROVED
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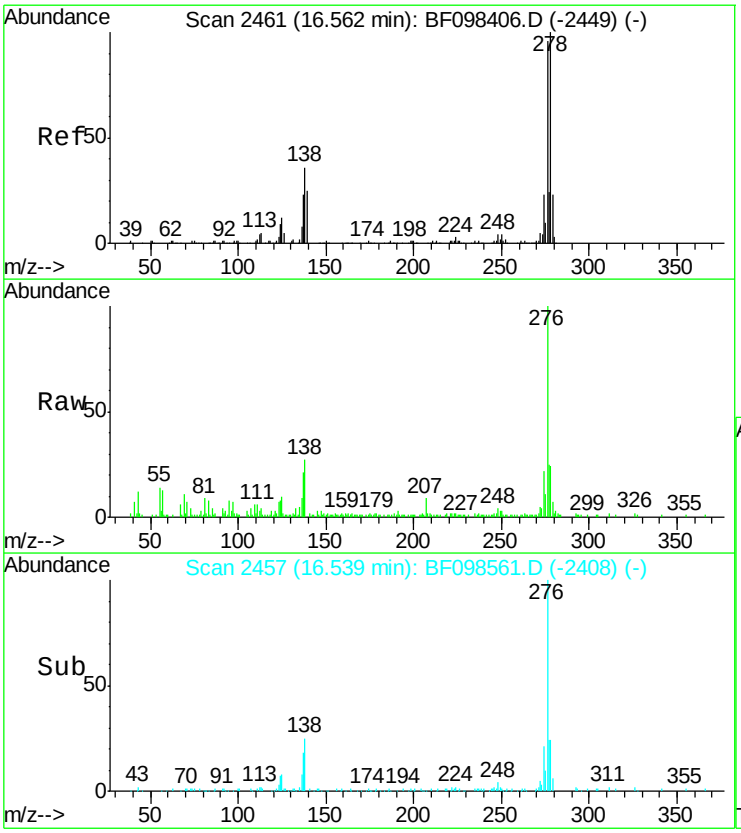
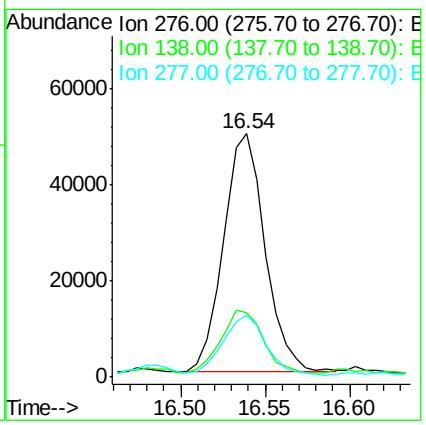
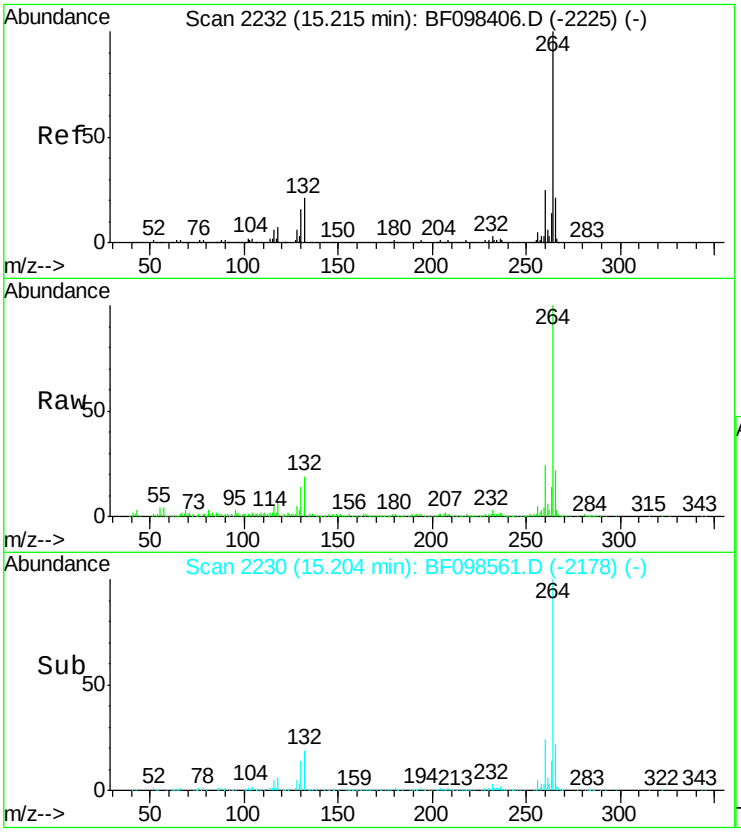


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.422 ng
RT: 16.54 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:276 Resp: 84628

Ion	Ratio	Lower	Upper
276	100		
138	26.8	27.8	41.6#
277	25.9	20.2	30.4

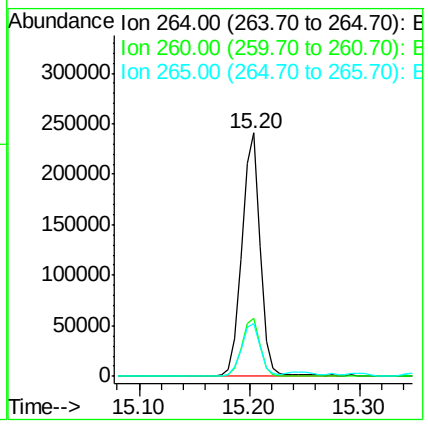




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:264 Resp: 282591

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.8	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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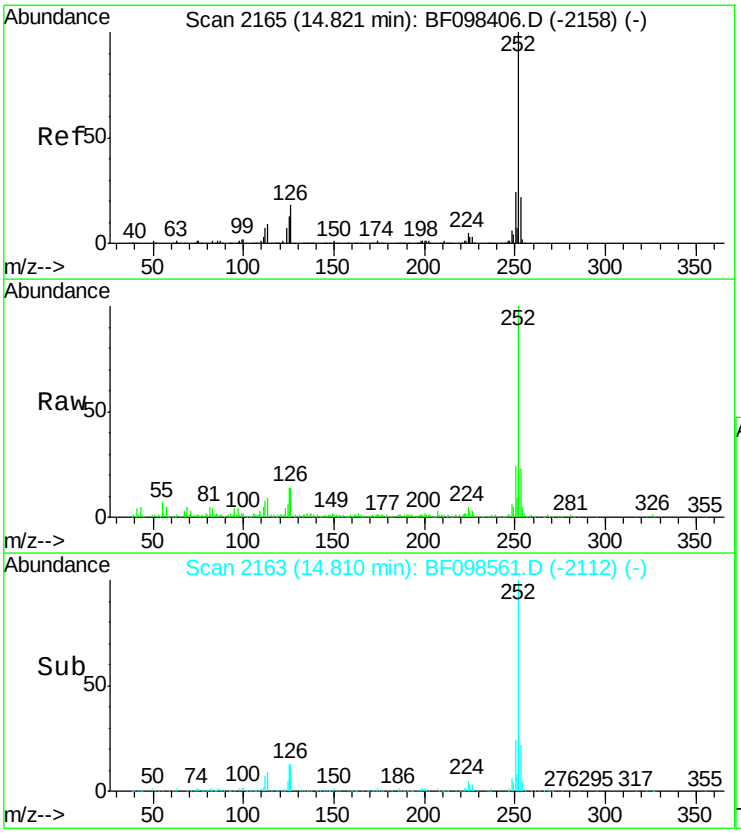
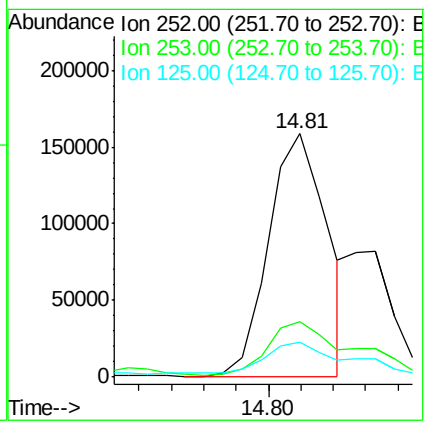
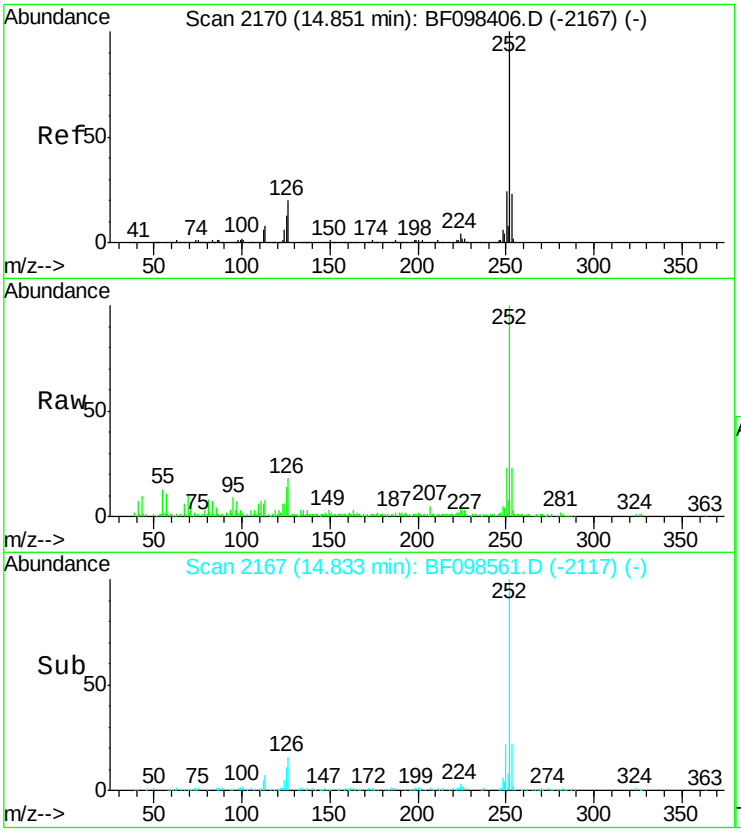


#87
Benzo(b)fluoranthene
Concen: 11.260 ng m
RT: 14.81 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:252 Resp: 200078

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.2	9.8	14.8

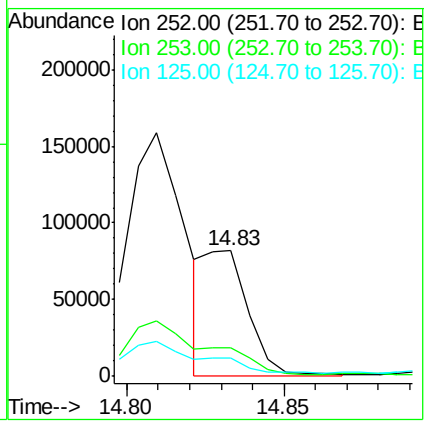




#88
Benzo(k)fluoranthene
Concen: 4.731 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:252 Resp: 78478

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.1	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

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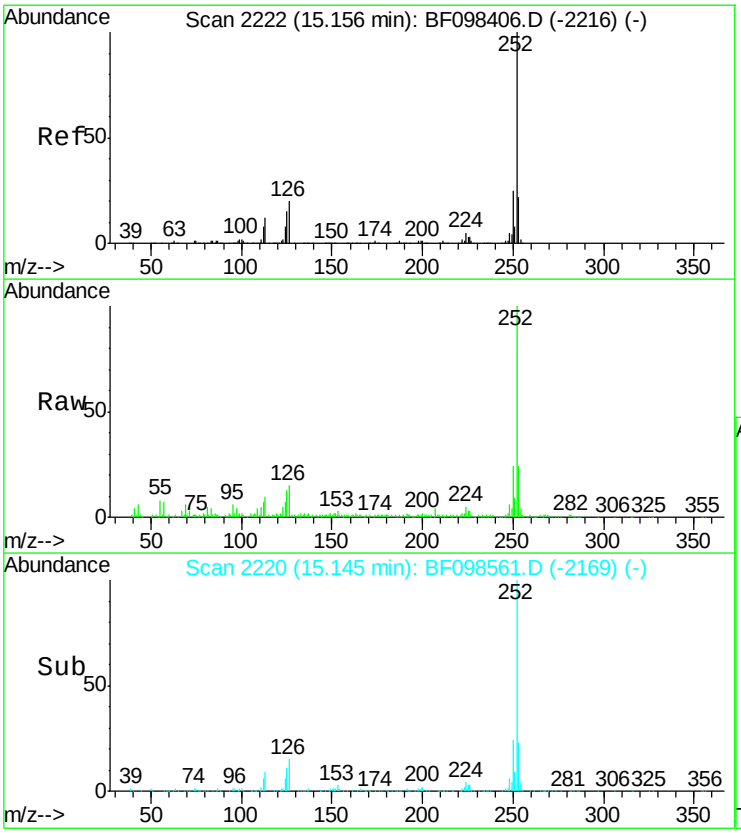
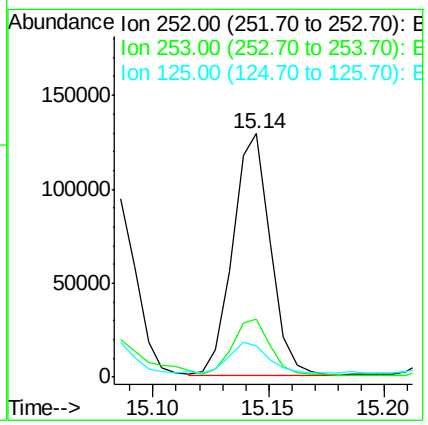
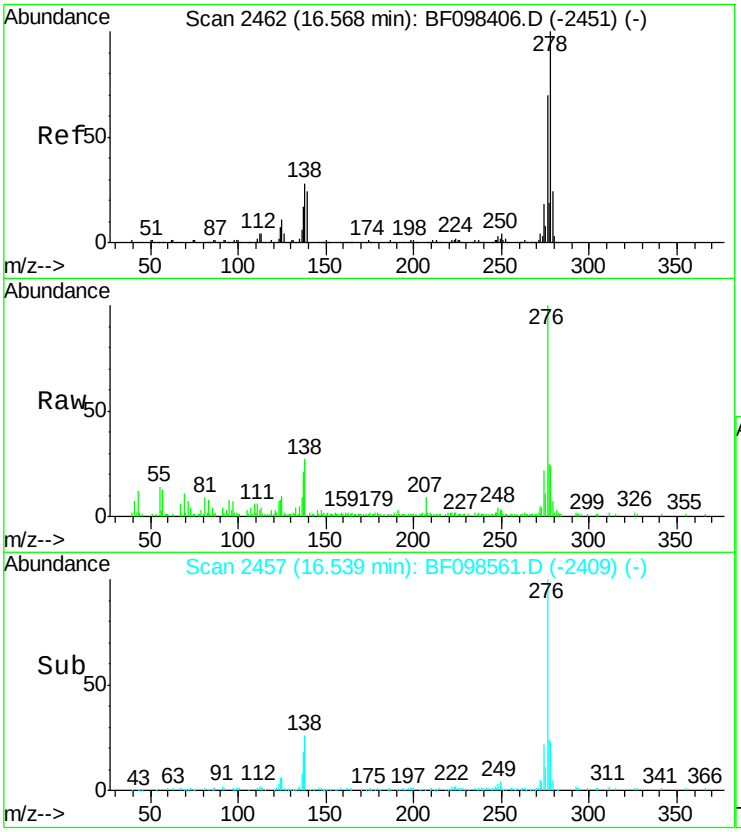


#89
Benzo(a)pyrene
Concen: 9.262 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:252 Resp: 146614

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	12.6	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 2.216 ng m
RT: 16.54 min Scan# 2457
Delta R.T. -0.02 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:278 Resp: 25517

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	30.2	19.3	28.9#

Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Manual Integrations APPROVED
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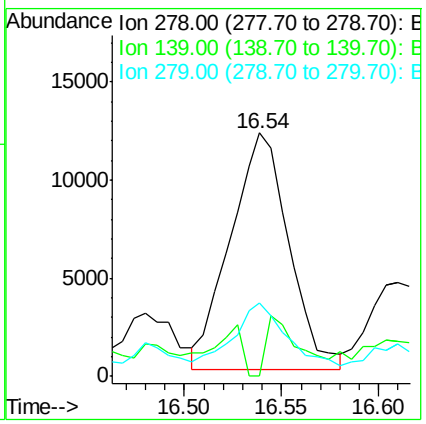

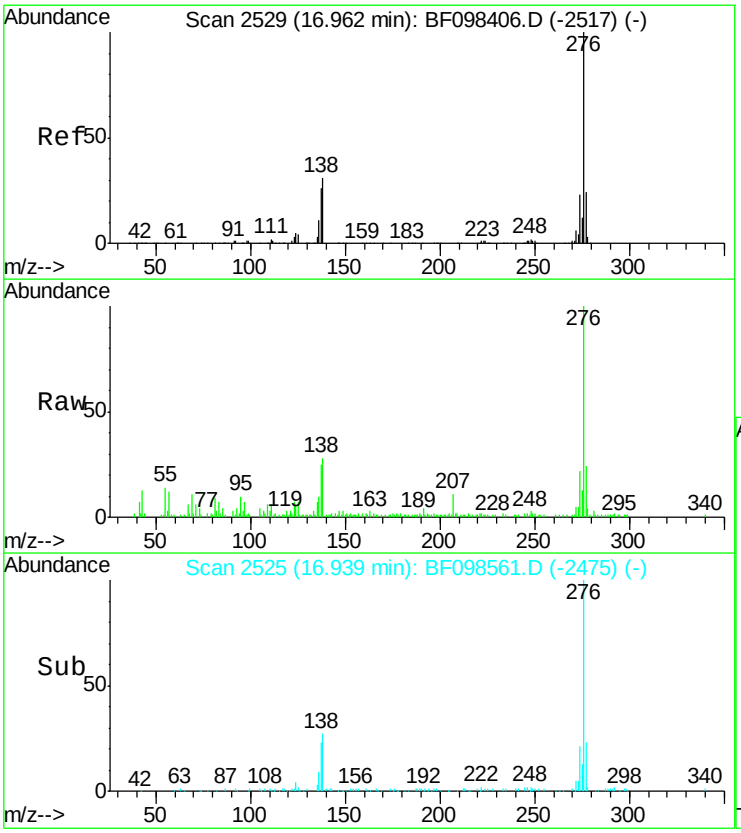

#91
Benzo(g,h,i)perylene
Concen: 7.269 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:276 Resp: 84191

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	27.8	25.4	38.0