Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098250.D
Acq On : 2 Sep 2017 17:15
Operator : SJ/JU
Sample : I5069-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
I1I5

Manual Integrations APPROVED
mohammad
9/5/2017 4:55:01 PM

Quant Time: Sep 04 07:51:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	110752	20.00	ng		-0.04
21) Naphthalene-d8	7.99	136	418206	20.00	ng		-0.04
38) Acenaphthene-d10	9.75	164	166168	20.00	ng		-0.04
63) Phenanthrene-d10	11.23	188	264626	20.00	ng		-0.04
75) Chrysene-d12	13.86	240	246692	20.00	ng		-0.04
86) Perylene-d12	15.27	264	242040	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	746537	102.53	ng		-0.03
7) Phenol-d6	6.36	99	1024847	103.59	ng		-0.03
23) Nitrobenzene-d5	7.27	82	614915	79.88	ng		-0.05
41) 2,4,6-Tribromophenol	10.53	330	148730	103.16	ng		-0.04
44) 2-Fluorobiphenyl	9.07	172	837306	74.03	ng		-0.04
78) Terphenyl-d14	12.82	244	603619	51.03	ng		-0.04
Target Compounds							Qvalue
49) Dimethylphthalate	9.46	163	95993	7.903	ng		100
70) Phenanthrene	11.25	178	48463	3.437	ng		100
74) Fluoranthene	12.43	202	68086	4.626	ng		98
77) Pyrene	12.66	202	60612	3.004	ng		98
80) Benzo(a)anthracene	13.85	228	36017	2.436	ng		95
82) Chrysene	13.89	228	30149	2.050	ng		97
87) Benzo(b)fluoranthene	14.87	252	40990m	2.687	ng		
89) Benzo(a)pyrene	15.22	252	30061	2.226	ng	#	91

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

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Manual Integrations APPROVED
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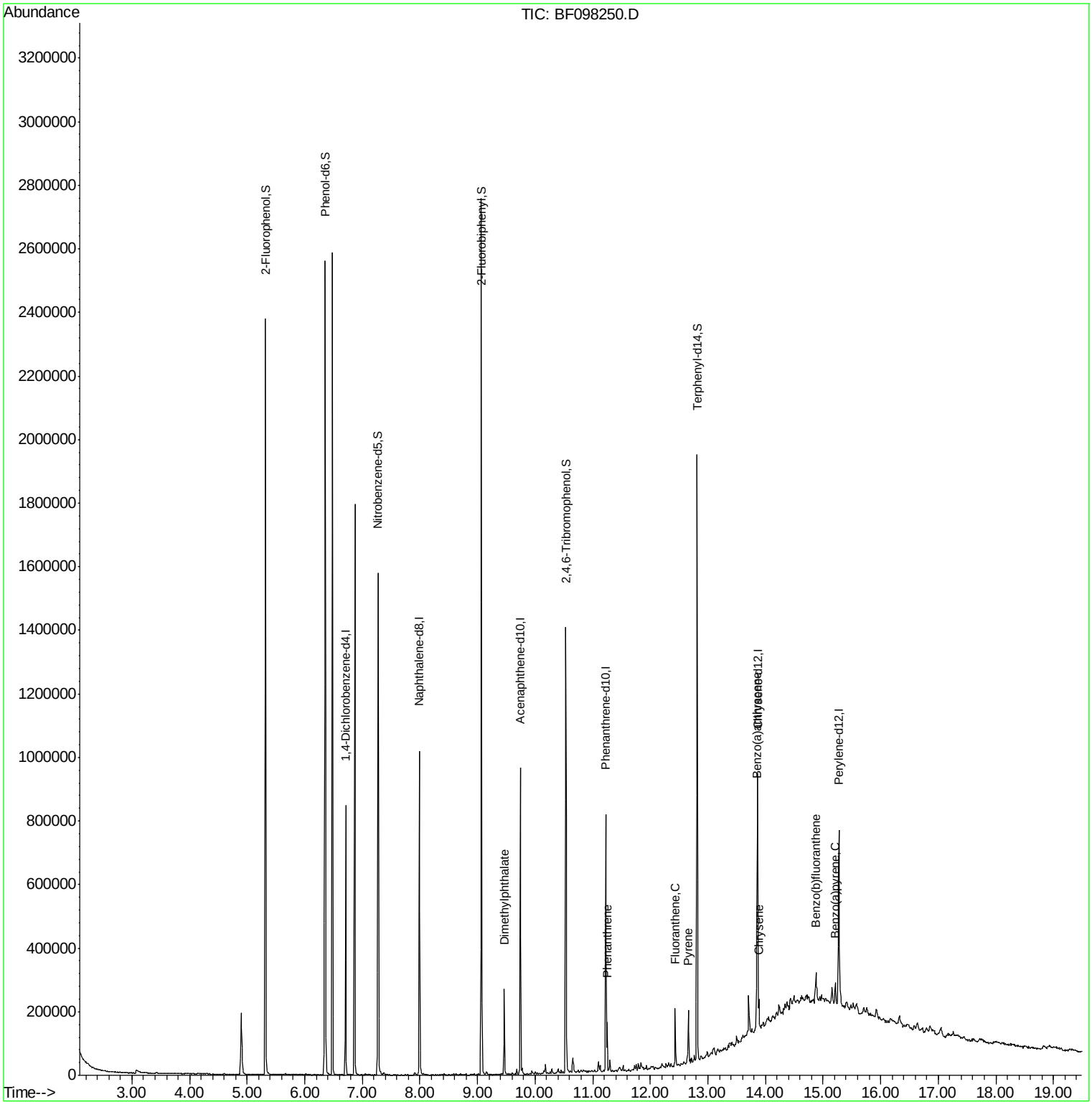
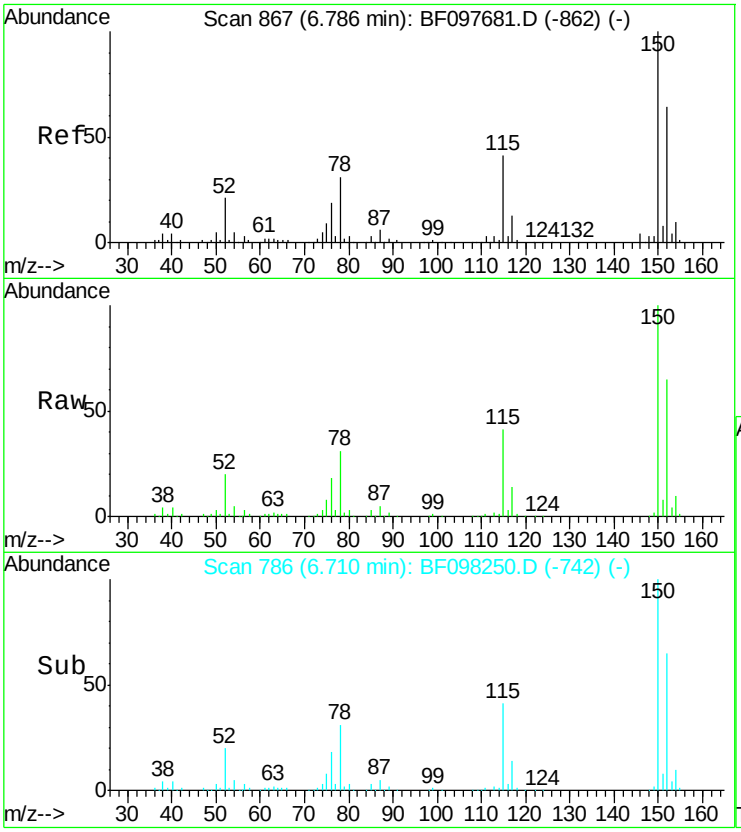
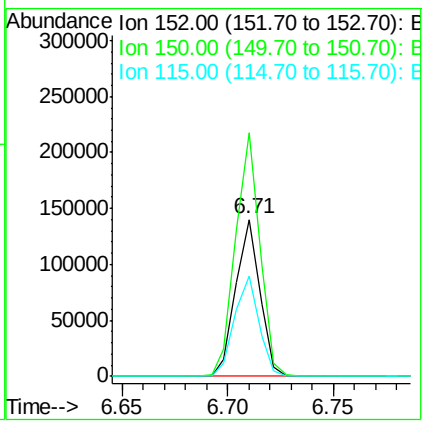




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:152 Resp: 110752

Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	63.6	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
I1I5

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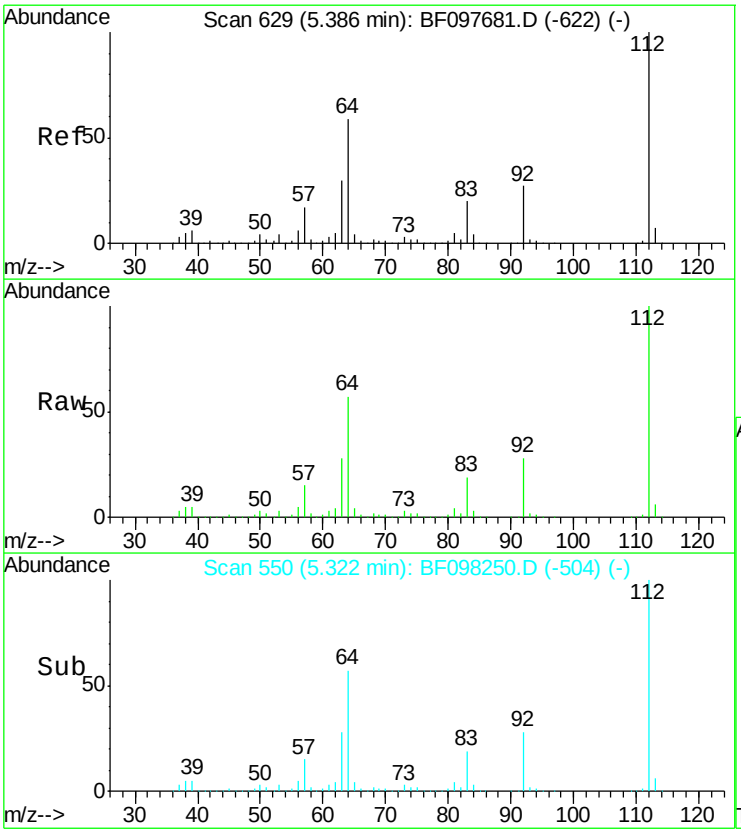
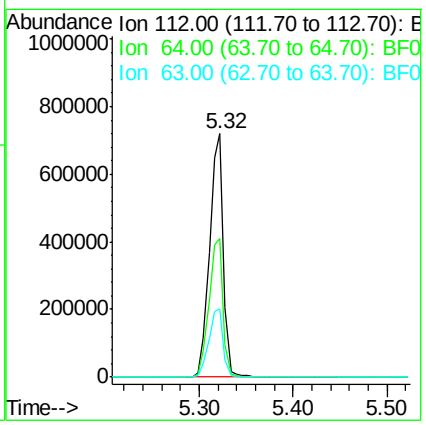
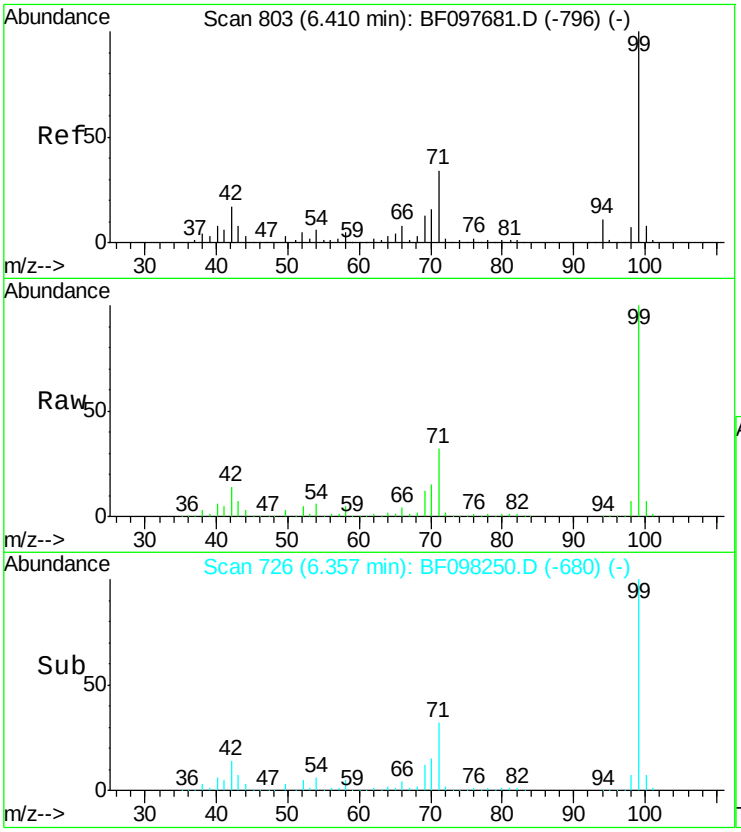


#5
2-Fluorophenol
Concen: 102.530 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:112 Resp: 746537

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.0	69.0
63	28.1	23.4	35.0

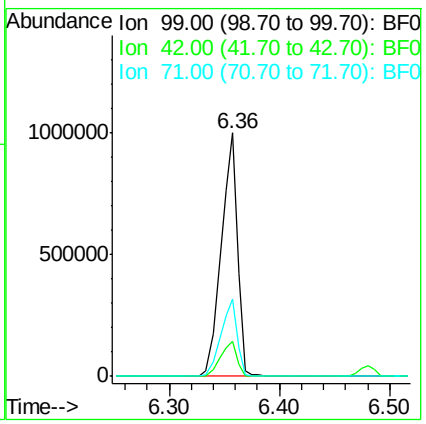




#7
Phenol-d6
Concen: 103.593 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion: 99 Resp: 1024847

Ion	Ratio	Lower	Upper
99	100		
42	14.4	13.5	20.3
71	31.7	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
I1I5

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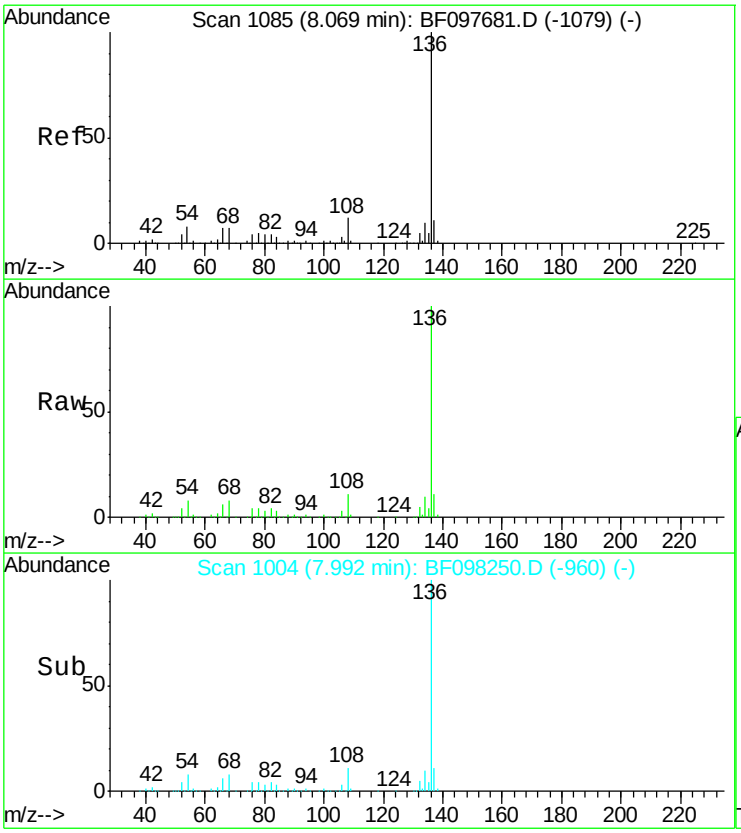
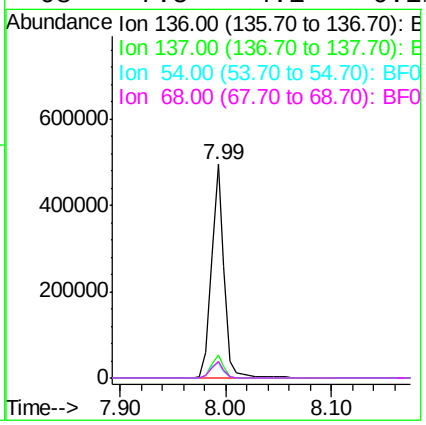
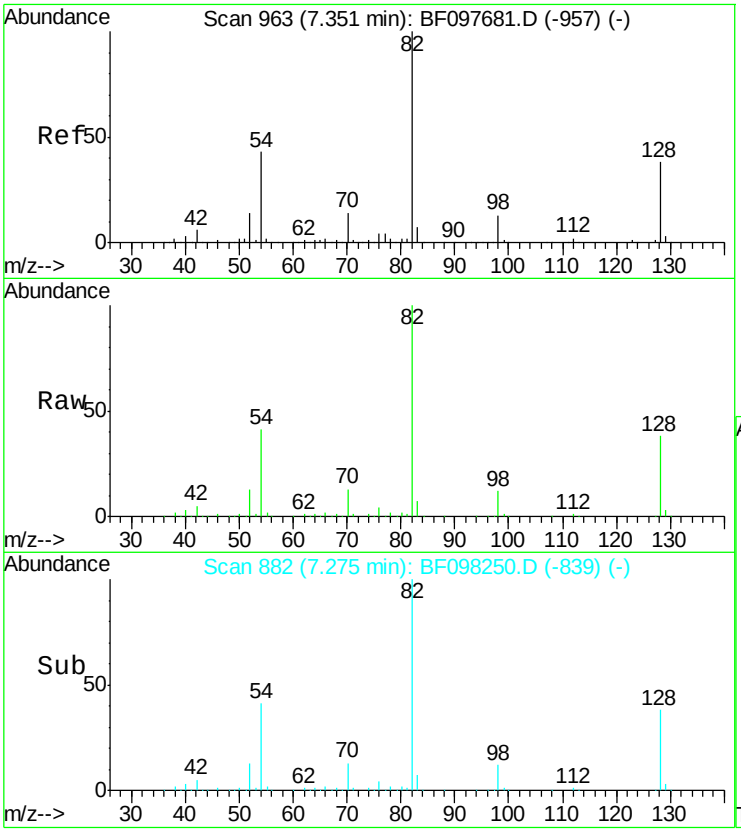


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:136 Resp: 418206

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	7.5	4.9	7.3#
68	7.5	4.1	6.1#

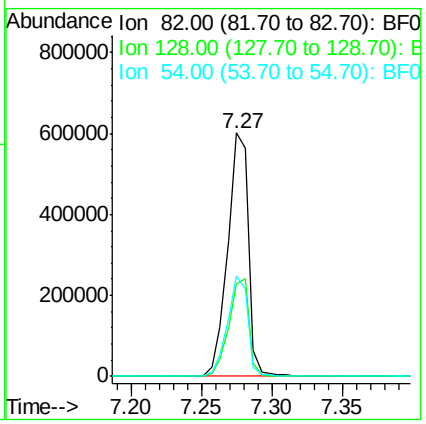




#23
Nitrobenzene-d5
Concen: 79.877 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.05 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion: 82 Resp: 614915

Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.0	51.0
54	41.0	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
I1I5

Manual Integrations APPROVED
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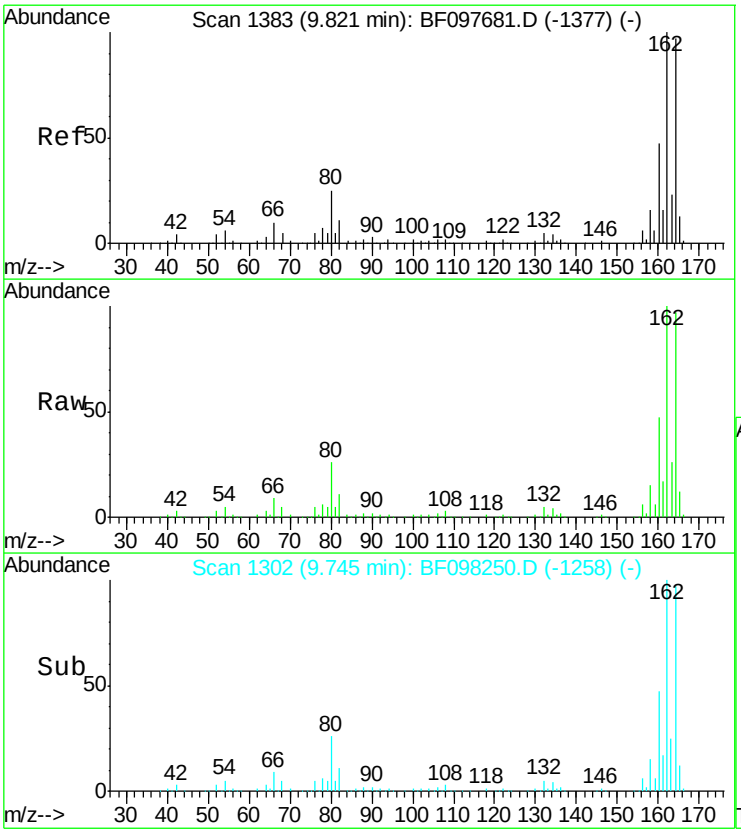
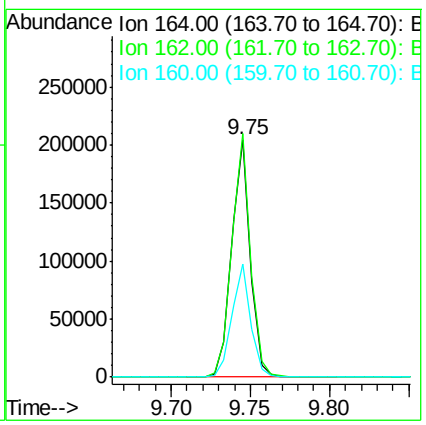
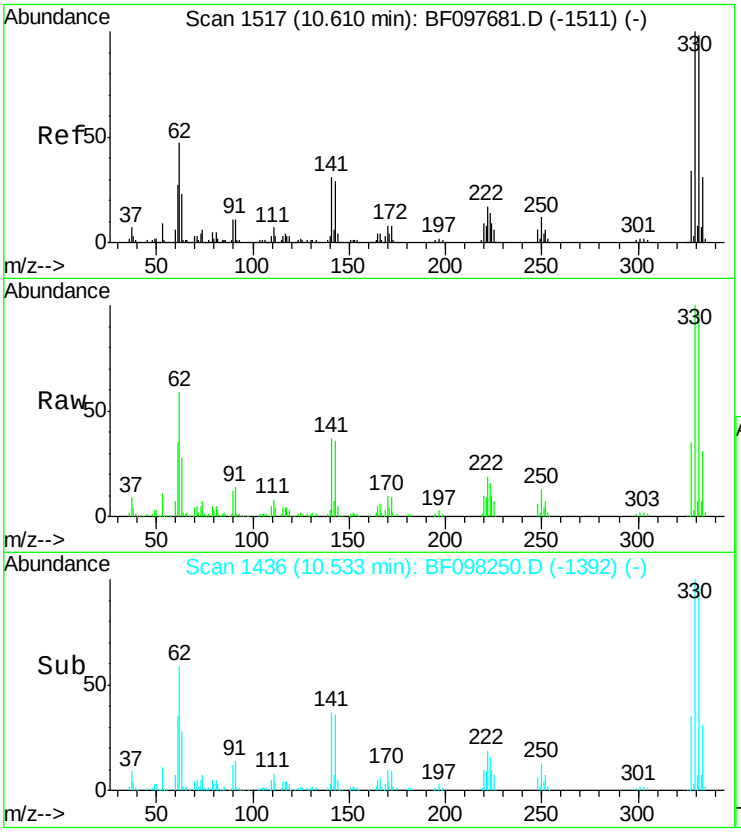


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:164 Resp: 166168

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	47.9	36.2	54.2

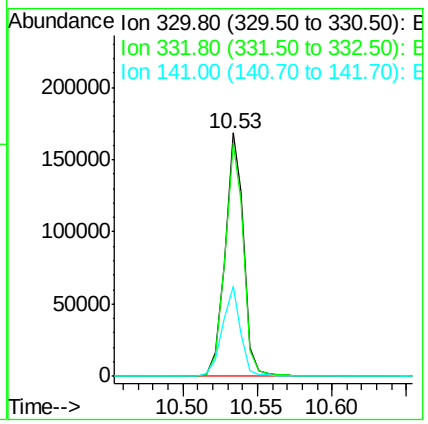




#41
2,4,6-Tribromophenol
Concen: 103.157 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:330 Resp: 148730

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	36.6	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
I1I5

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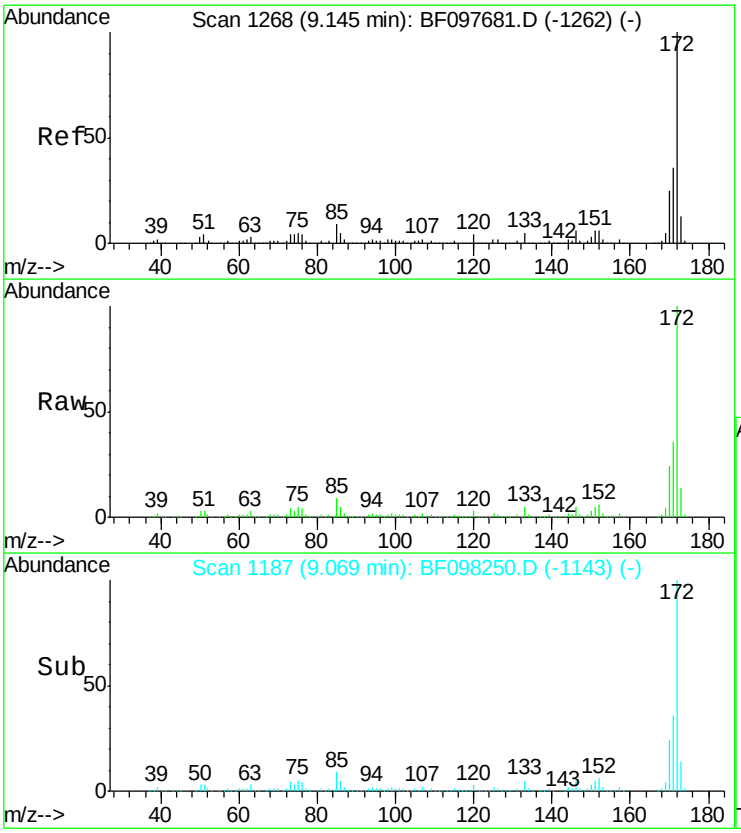
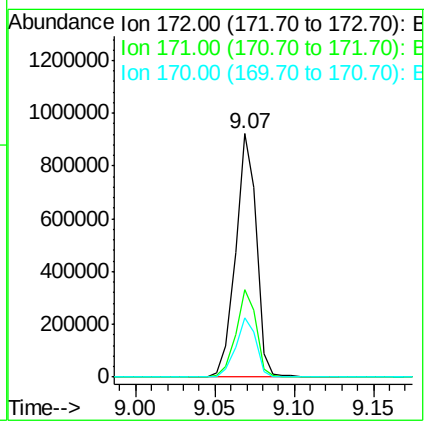
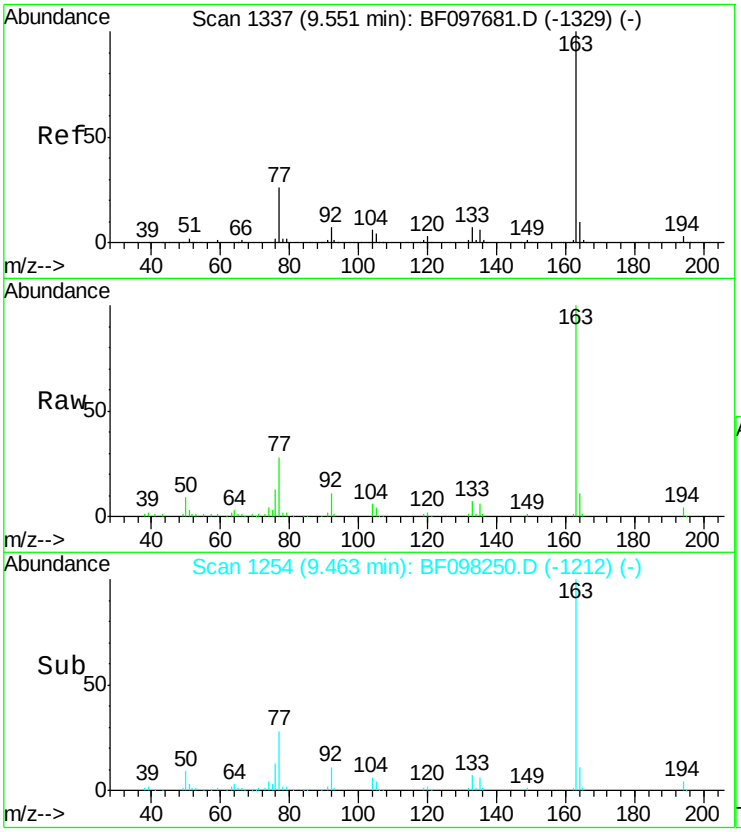


#44
2-Fluorobiphenyl
Concen: 74.032 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:172 Resp: 837306

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.4	19.8	29.8

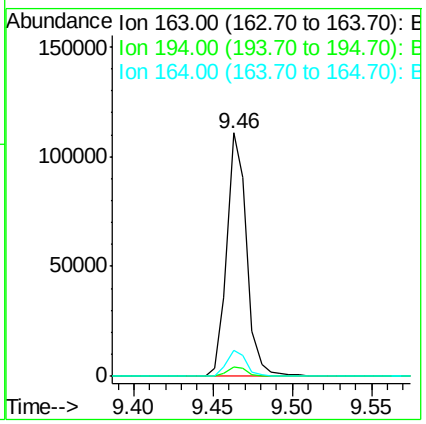




#49
Dimethylphthalate
Concen: 7.903 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.05 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:163 Resp: 95993

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
I1I5

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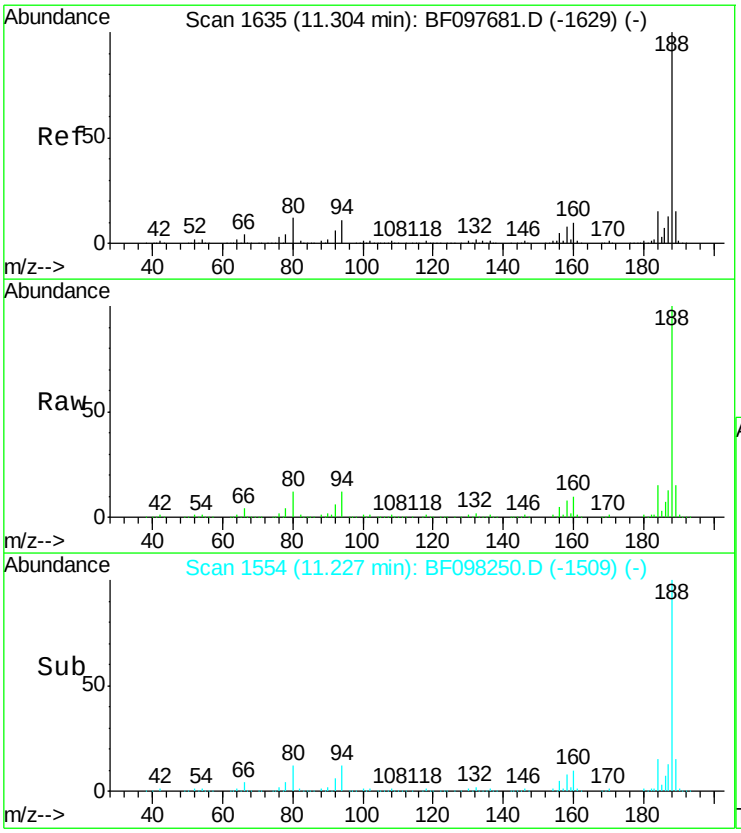
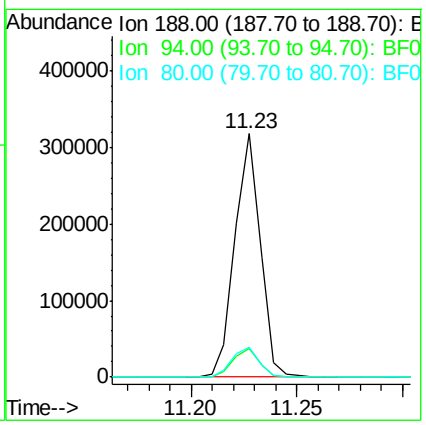
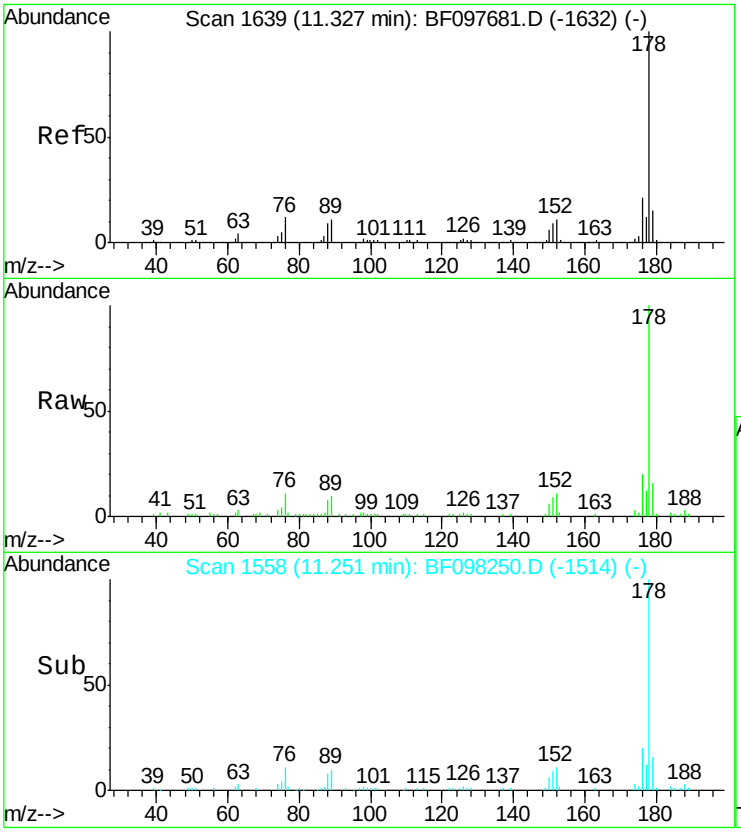


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:188 Resp: 264626

Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.4	10.2	15.2

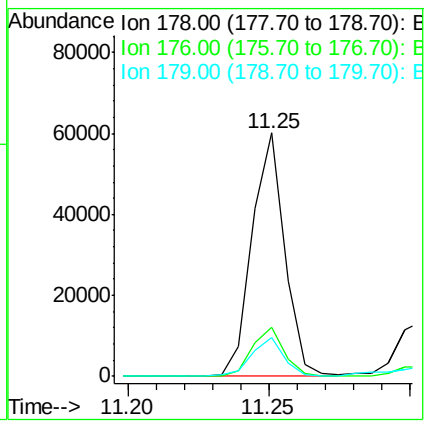




#70
Phenanthrene
Concen: 3.437 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:178 Resp: 48463

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
I1I5

Manual Integrations APPROVED
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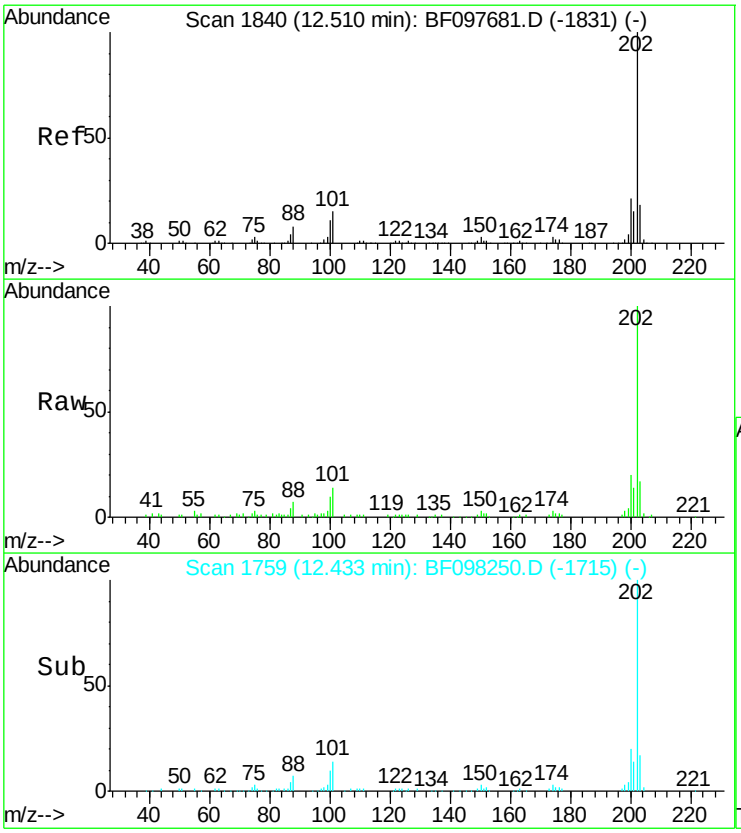
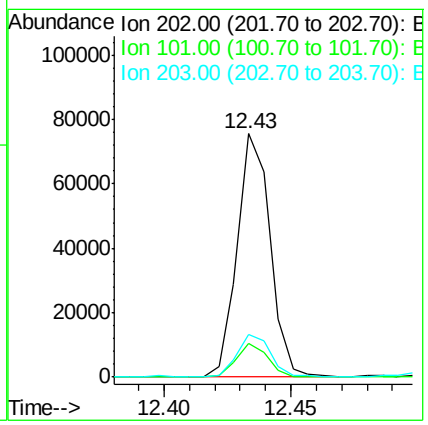
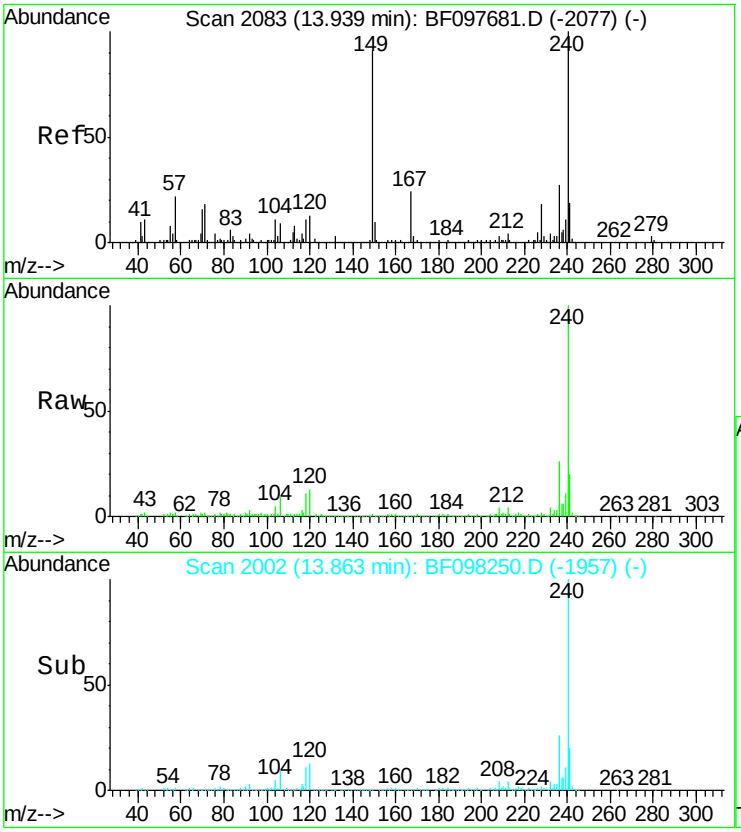


#74
Fluoranthene
Concen: 4.626 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:202 Resp: 68086

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.4	0.0	38.1

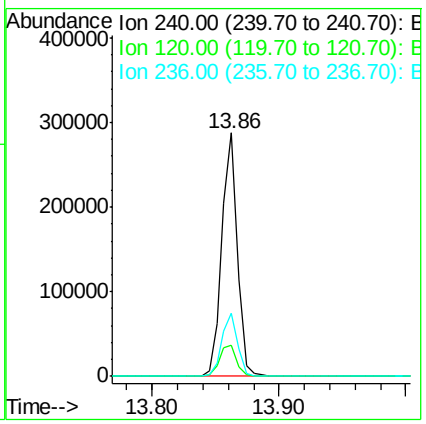




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:240 Resp: 246692

Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	26.2	20.5	30.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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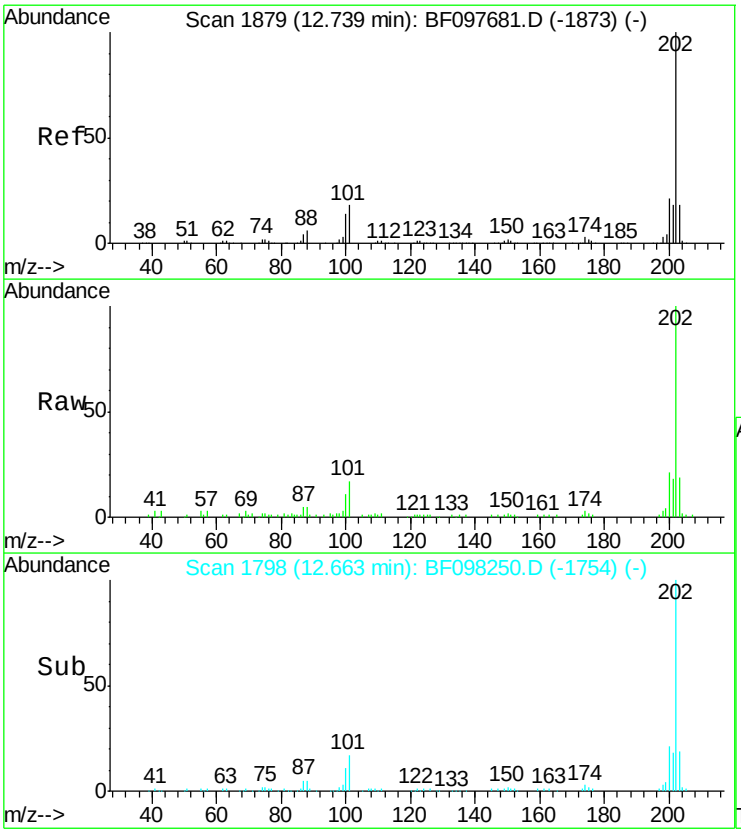
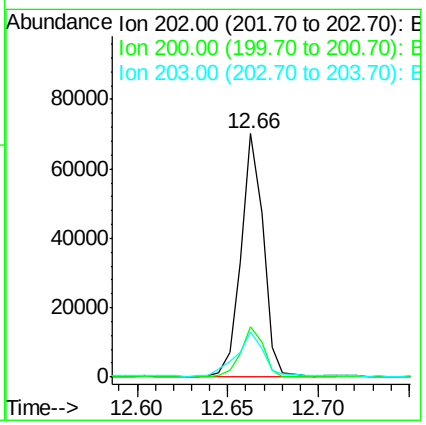
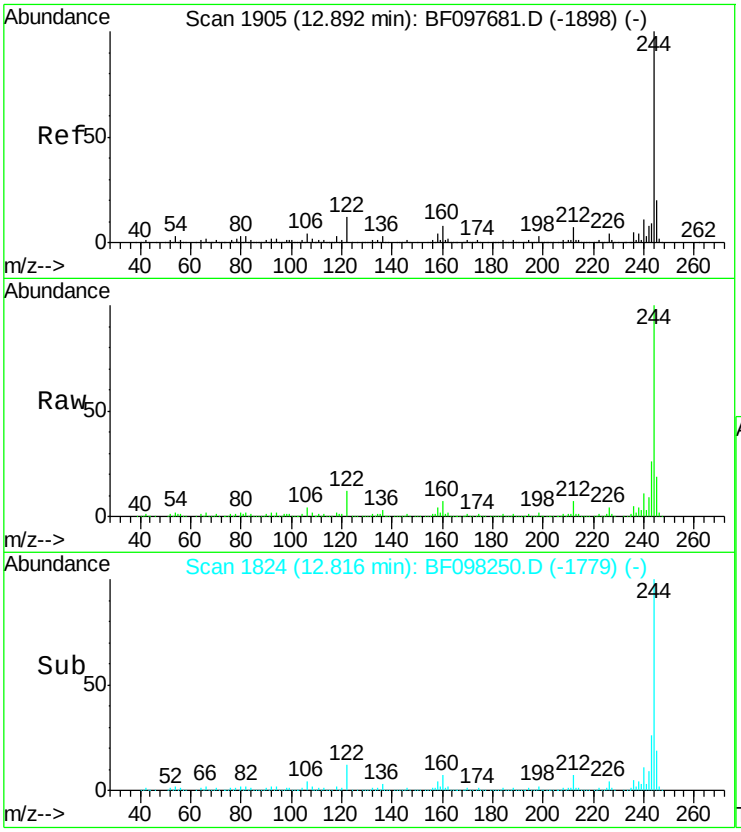


#77
Pyrene
Concen: 3.004 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:202 Resp: 60612

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.8	14.4	21.6

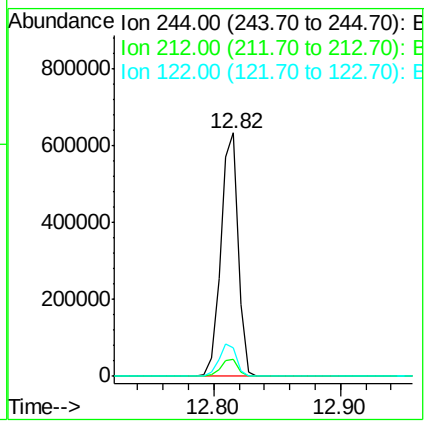




#78
Terphenyl-d14
Concen: 51.025 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:244 Resp: 603619

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.0	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
I1I5

Manual Integrations APPROVED
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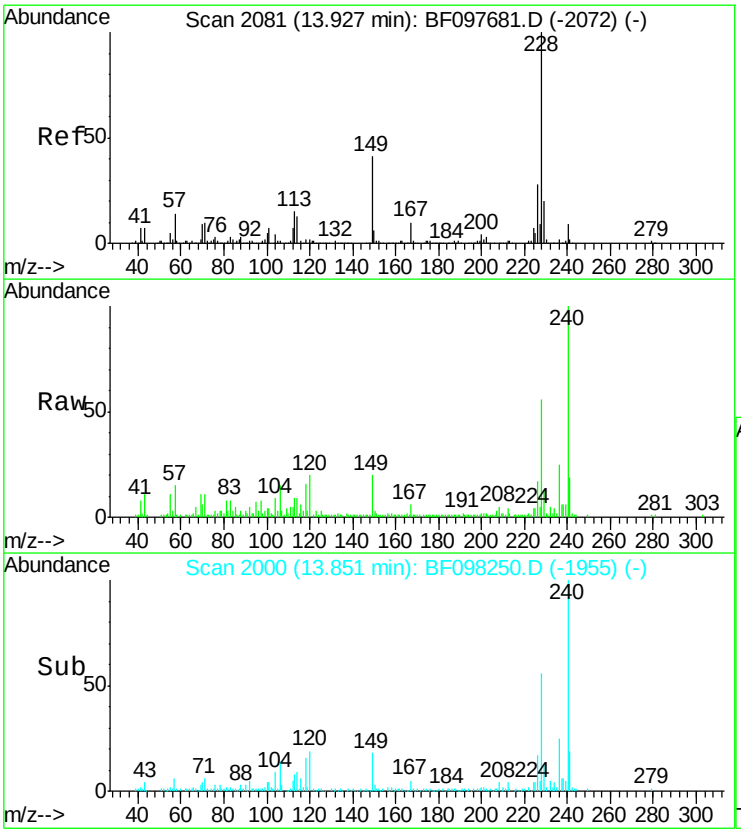
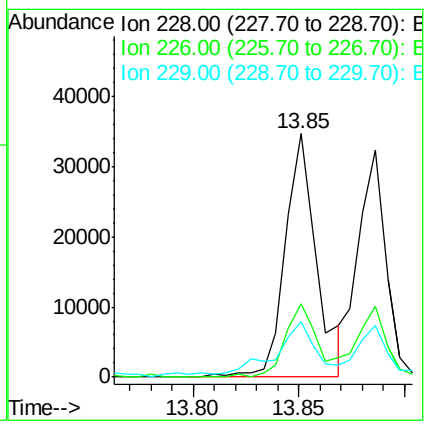
9/5/2017 4:55:01 PM

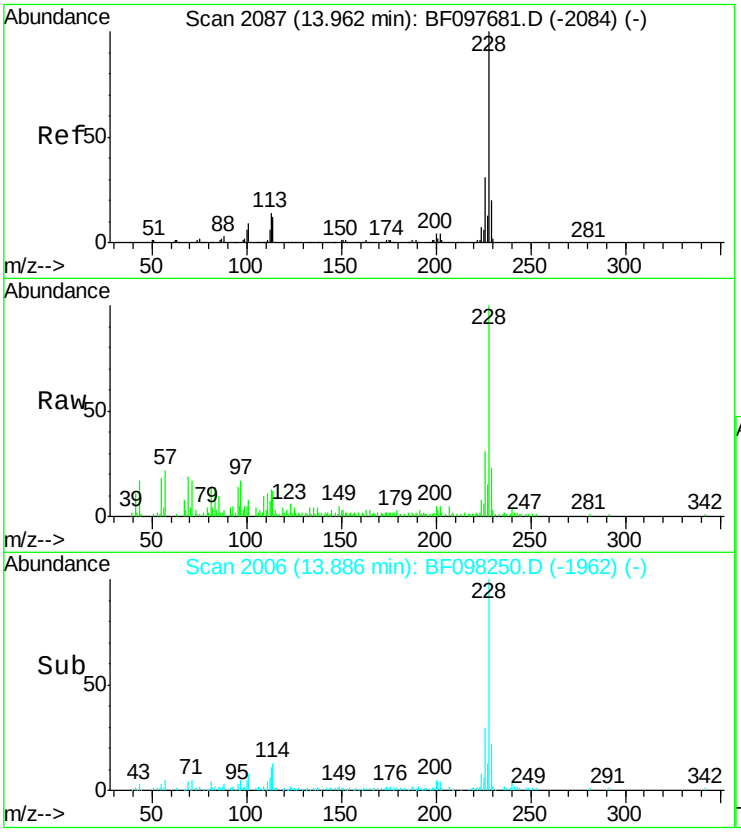


#80
Benzo(a)anthracene
Concen: 2.436 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:228 Resp: 36017

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	23.0	16.3	24.5

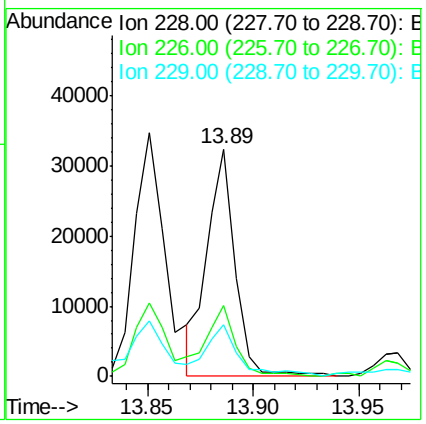




#82
Chrysene
Concen: 2.050 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

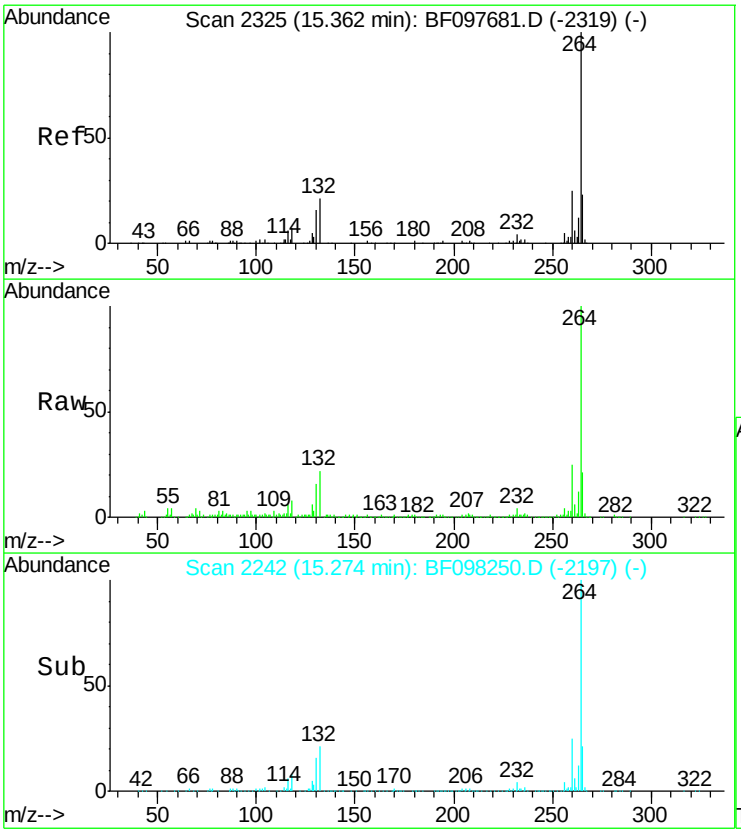
Tgt Ion:228 Resp: 30149

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	22.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
I1I5

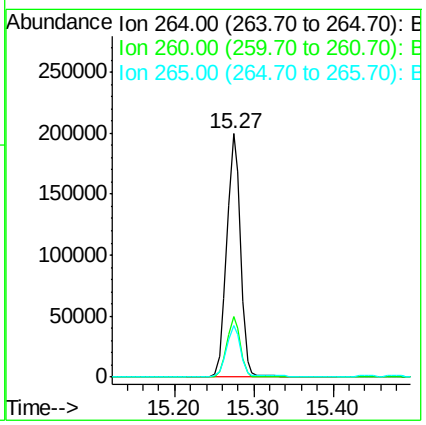
Manual Integrations APPROVED
mohammad
9/5/2017 4:55:01 PM

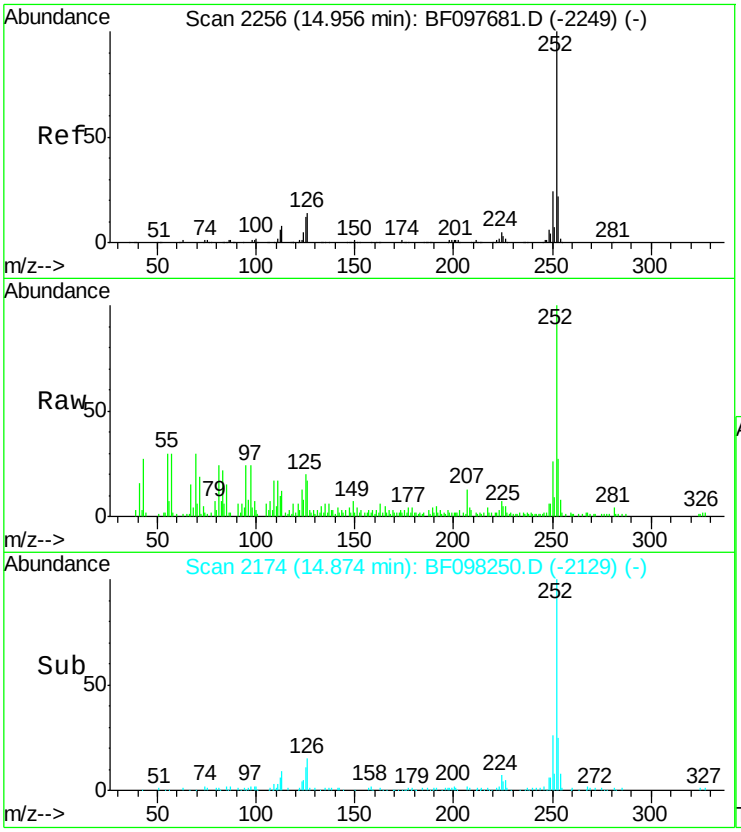


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:264 Resp: 242040

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.3	17.2	25.8





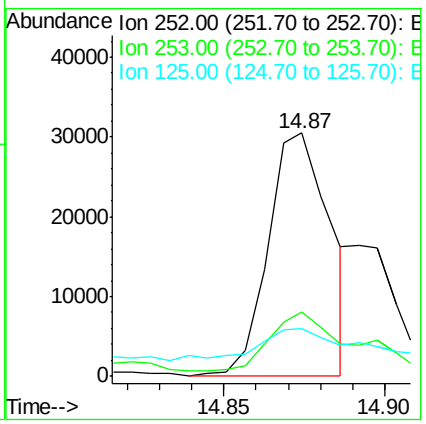
#87
Benzo(b)fluoranthene
Concen: 2.687 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

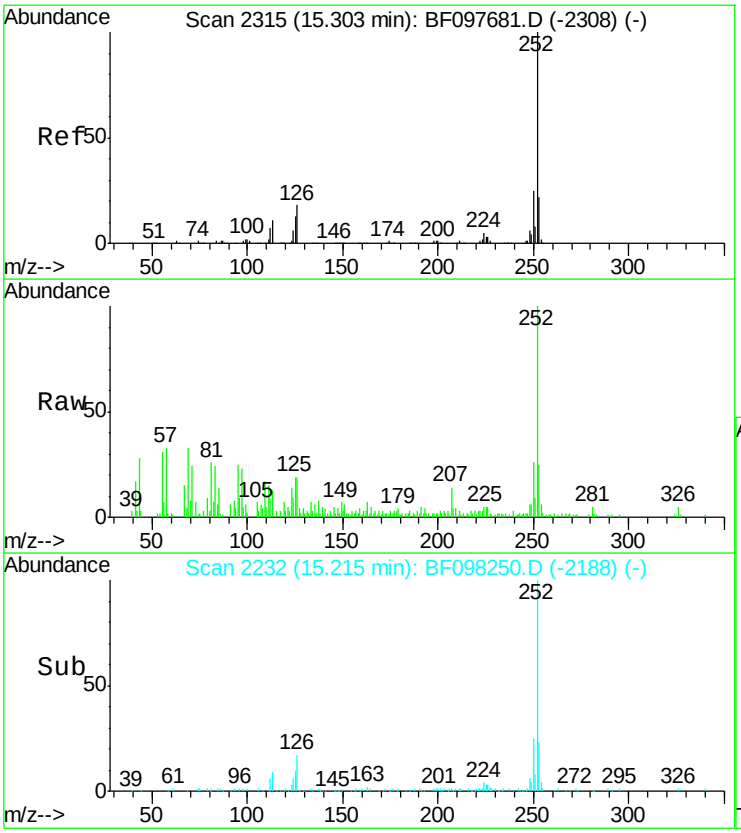
Tgt Ion:252 Resp: 40990

Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	19.7	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
I1I5

Manual Integrations APPROVED
mohammad
9/5/2017 4:55:01 PM





#89
Benzo(a)pyrene
Concen: 2.226 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:252 Resp: 30061

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	18.9	11.0	16.4#