Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098258.D
Acq On : 2 Sep 2017 21:00
Operator : SJ/JU
Sample : I5026-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

Manual Integrations APPROVED
mohammad
9/5/2017 4:55:18 PM

Quant Time: Sep 04 08:15:53 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	111687	20.00	ng		-0.04
21) Naphthalene-d8	7.99	136	414368	20.00	ng		-0.04
38) Acenaphthene-d10	9.75	164	161288	20.00	ng		-0.04
63) Phenanthrene-d10	11.23	188	294902	20.00	ng		-0.04
75) Chrysene-d12	13.86	240	273801	20.00	ng		-0.04
86) Perylene-d12	15.28	264	223327	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	170728	23.25	ng		-0.04
7) Phenol-d6	6.35	99	238279	23.88	ng		-0.04
23) Nitrobenzene-d5	7.27	82	139268	18.26	ng		-0.05
41) 2,4,6-Tribromophenol	10.53	330	23823	17.02	ng		-0.04
44) 2-Fluorobiphenyl	9.07	172	210614	19.19	ng		-0.04
78) Terphenyl-d14	12.81	244	162441	12.37	ng		-0.04
Target Compounds							Qvalue
49) Dimethylphthalate	9.46	163	31261	2.652	ng		98
70) Phenanthrene	11.25	178	62019	3.947	ng		97
74) Fluoranthene	12.43	202	129113	7.872	ng		98
77) Pyrene	12.66	202	116352	5.196	ng		97
80) Benzo(a)anthracene	13.85	228	61249	3.732	ng		96
82) Chrysene	13.89	228	52190	3.197	ng		96
87) Benzo(b)fluoranthene	14.87	252	67746m	4.813	ng		
89) Benzo(a)pyrene	15.22	252	44113	3.540	ng	#	90

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

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Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

Manual Integrations APPROVED
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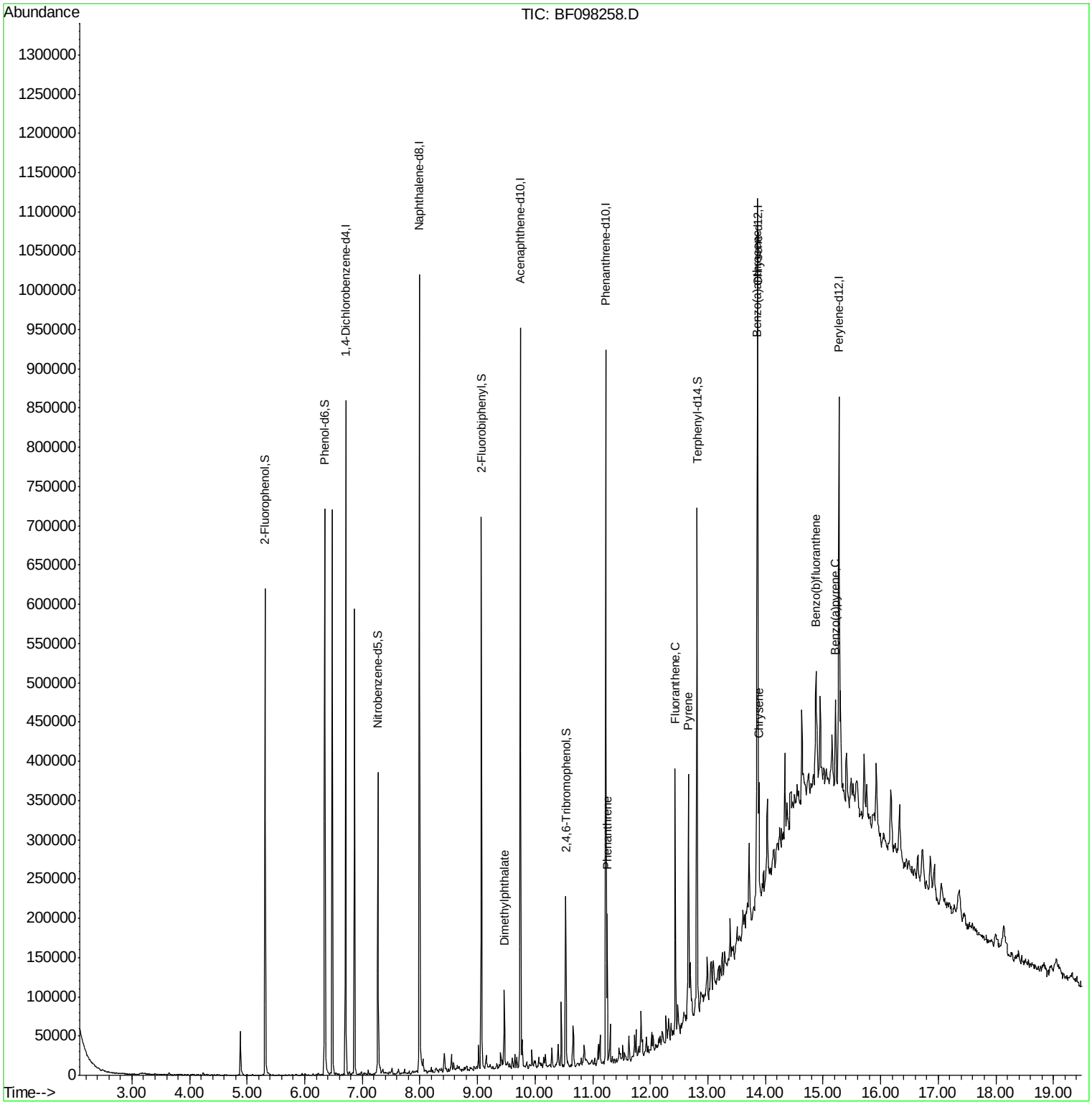
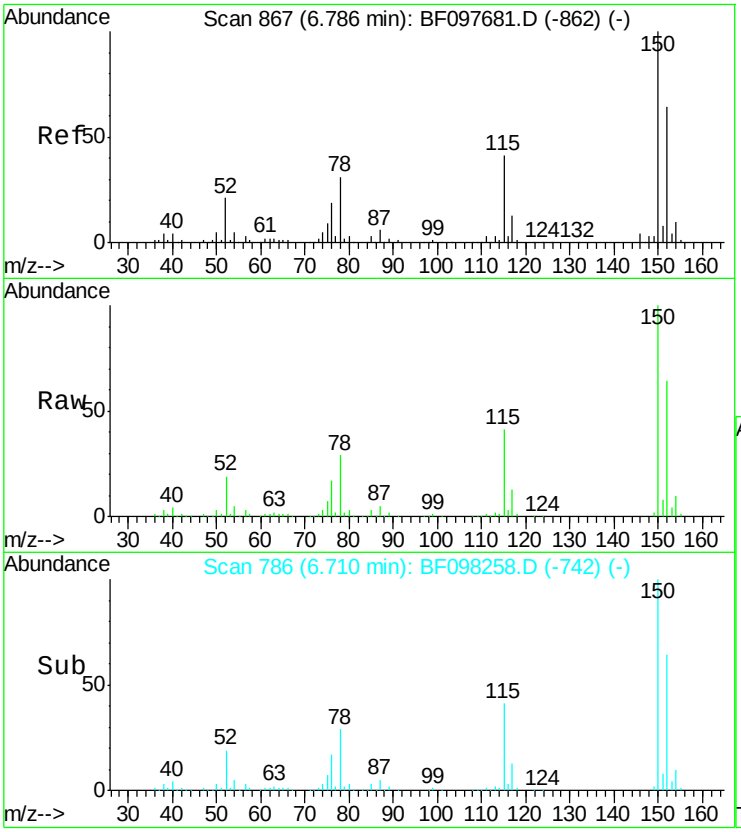
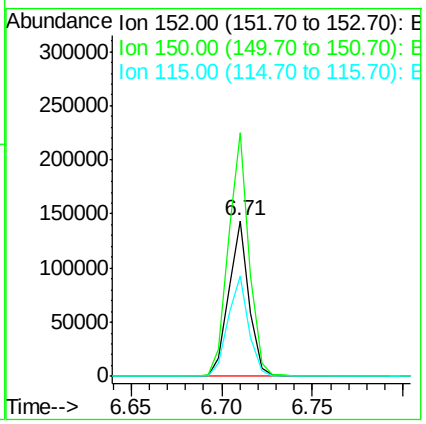




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:152 Resp: 111687

Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	64.3	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

Manual Integrations APPROVED
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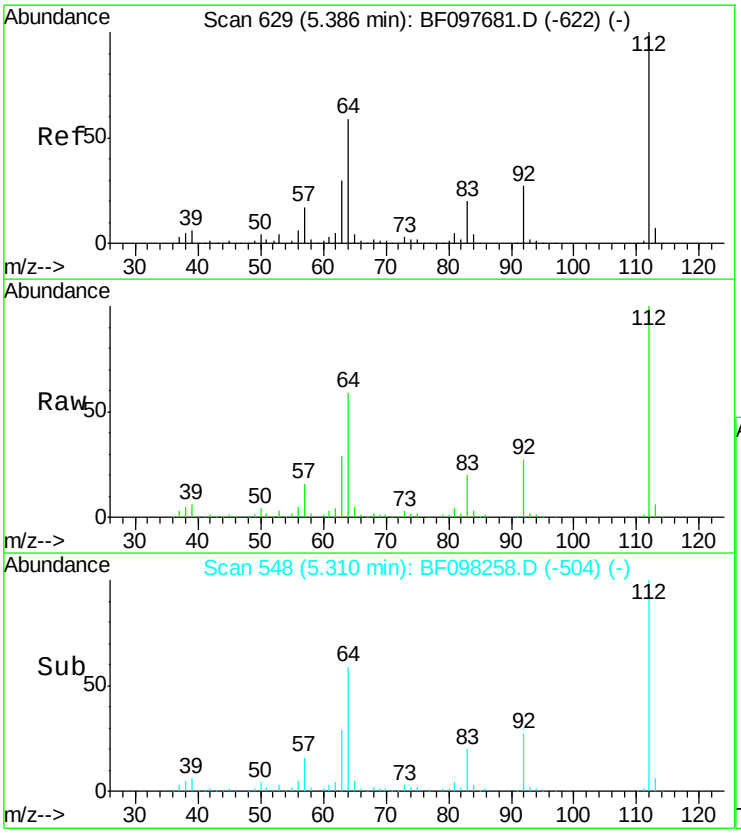
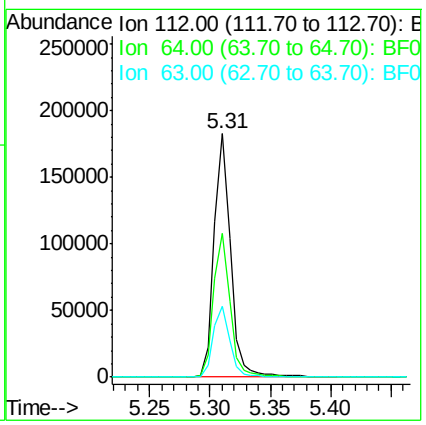
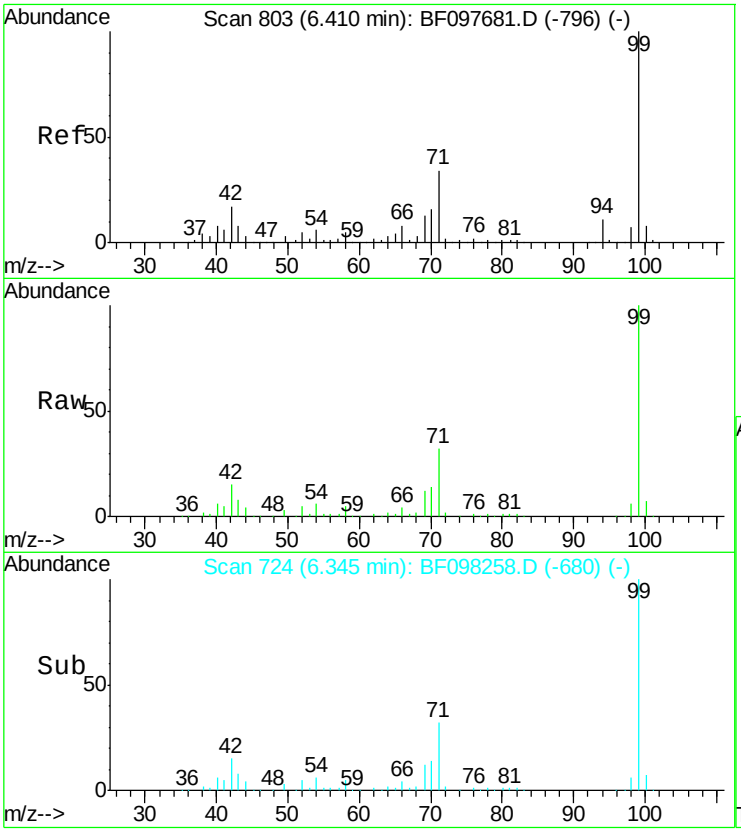


#5
2-Fluorophenol
Concen: 23.252 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:112 Resp: 170728

Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.0	69.0
63	29.1	23.4	35.0

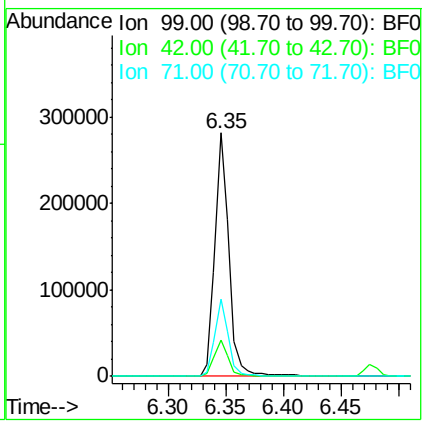




#7
Phenol-d6
Concen: 23.884 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion: 99 Resp: 238279

Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.5	20.3
71	31.5	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

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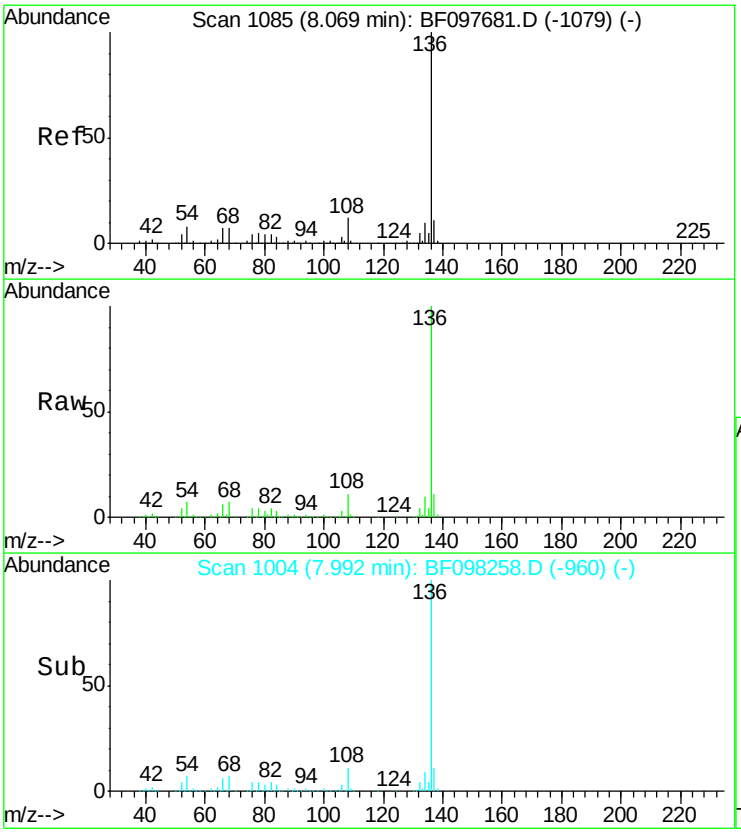
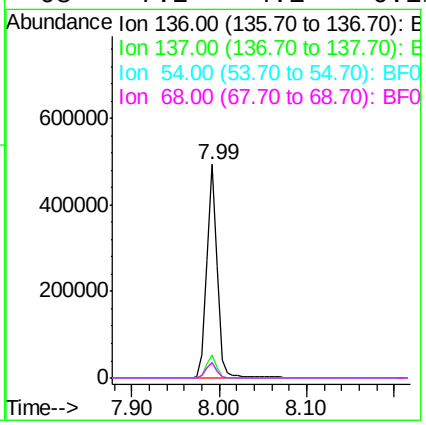
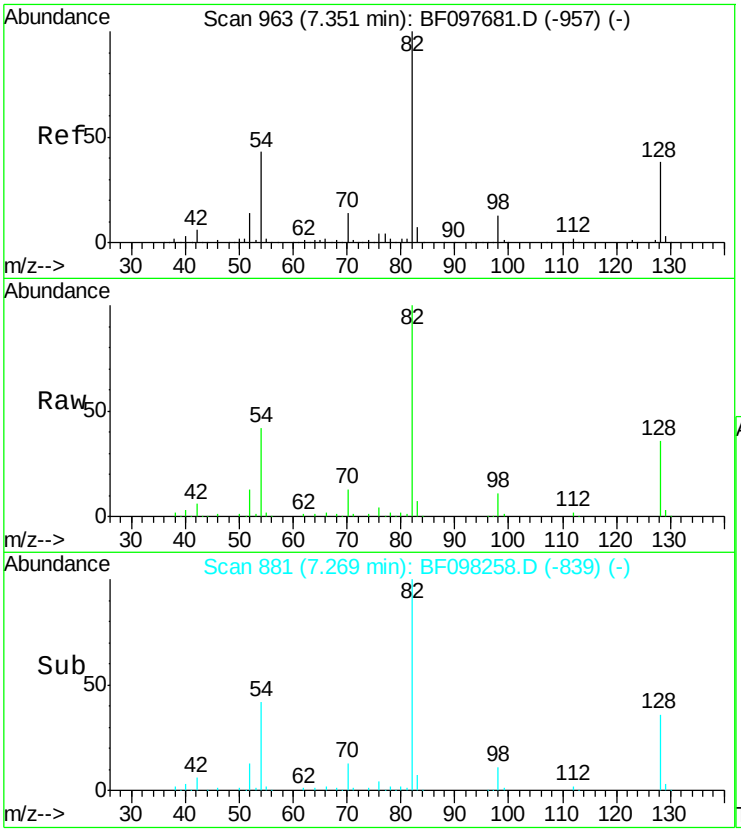


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:136 Resp: 414368

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.2	4.9	7.3
68	7.2	4.1	6.1#

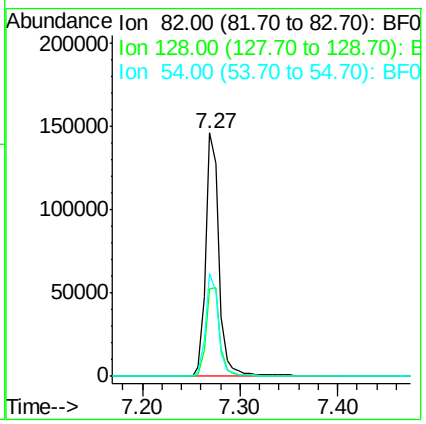




#23
Nitrobenzene-d5
Concen: 18.258 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.05 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion: 82 Resp: 139268

Ion	Ratio	Lower	Upper
82	100		
128	36.0	34.0	51.0
54	42.2	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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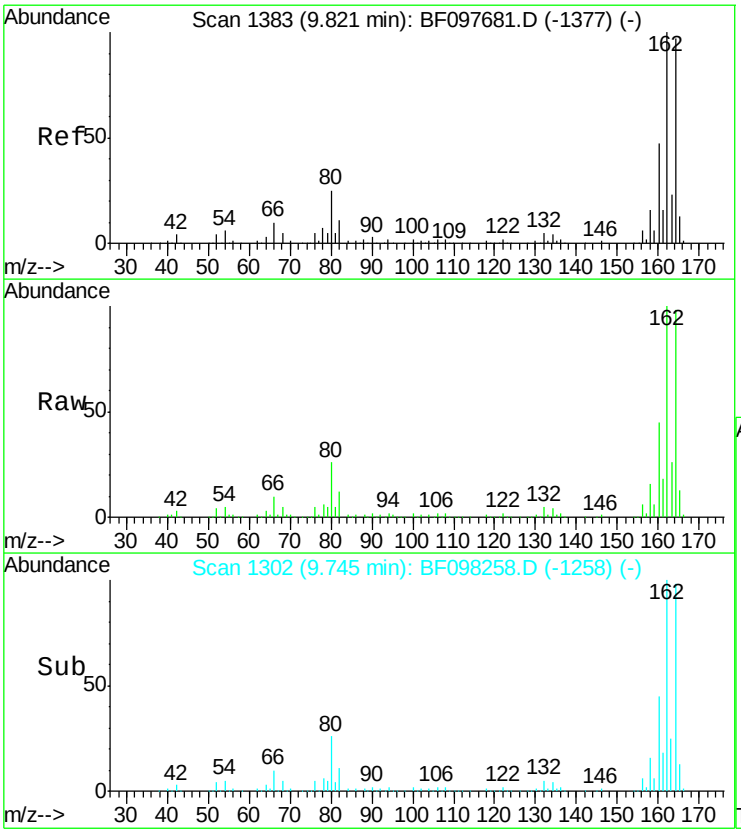
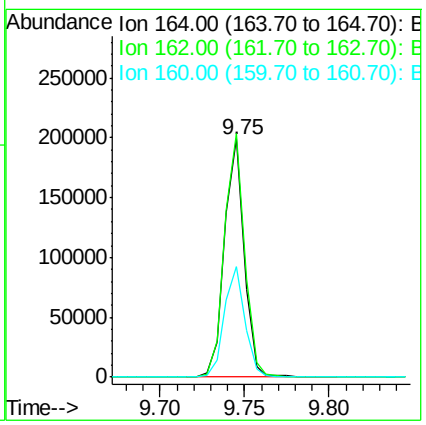
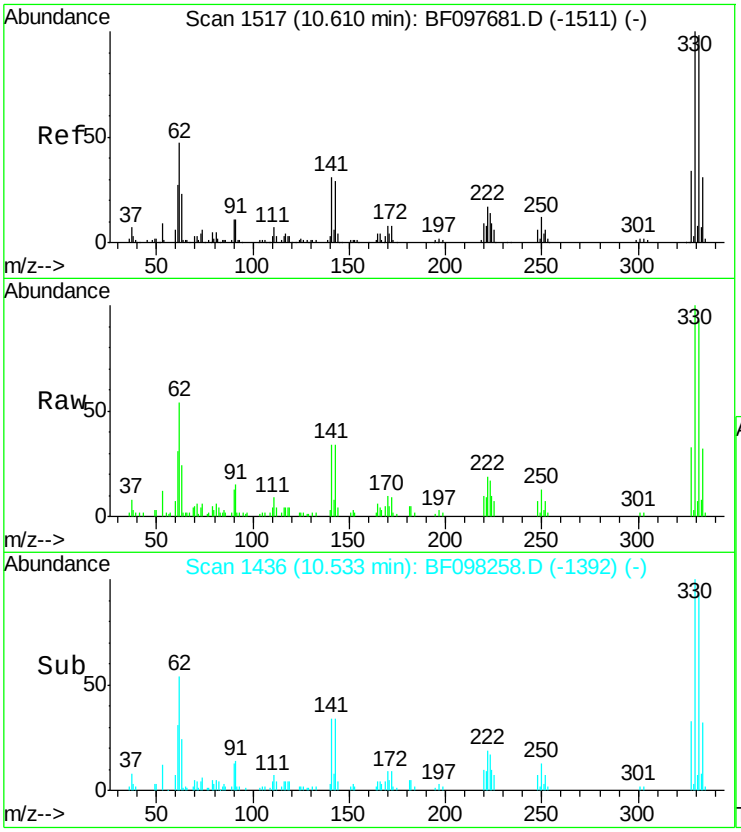


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:164 Resp: 161288

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	46.5	36.2	54.2

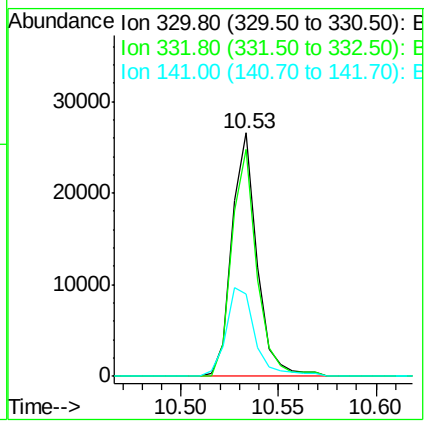




#41
2,4,6-Tribromophenol
Concen: 17.023 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:330 Resp: 23823

Ion	Ratio	Lower	Upper
330	100		
332	92.9	76.6	115.0
141	41.9	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

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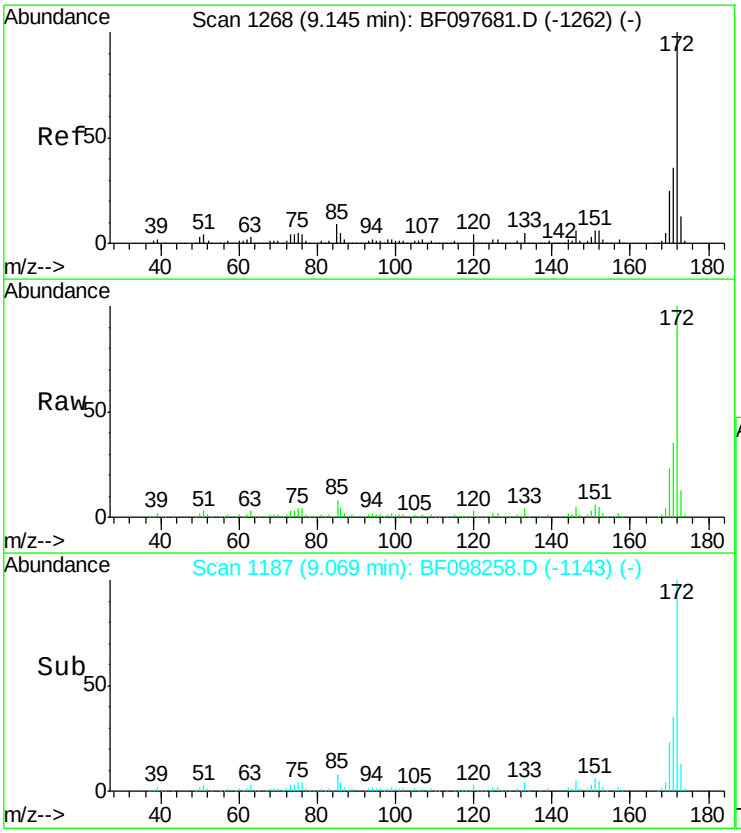
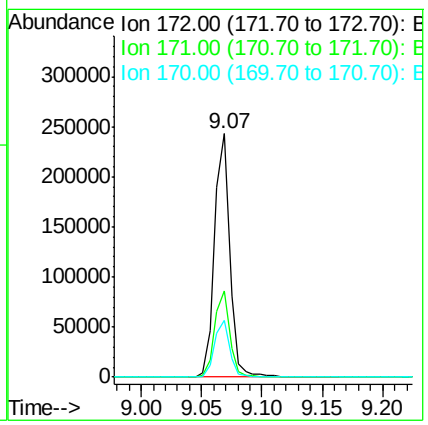
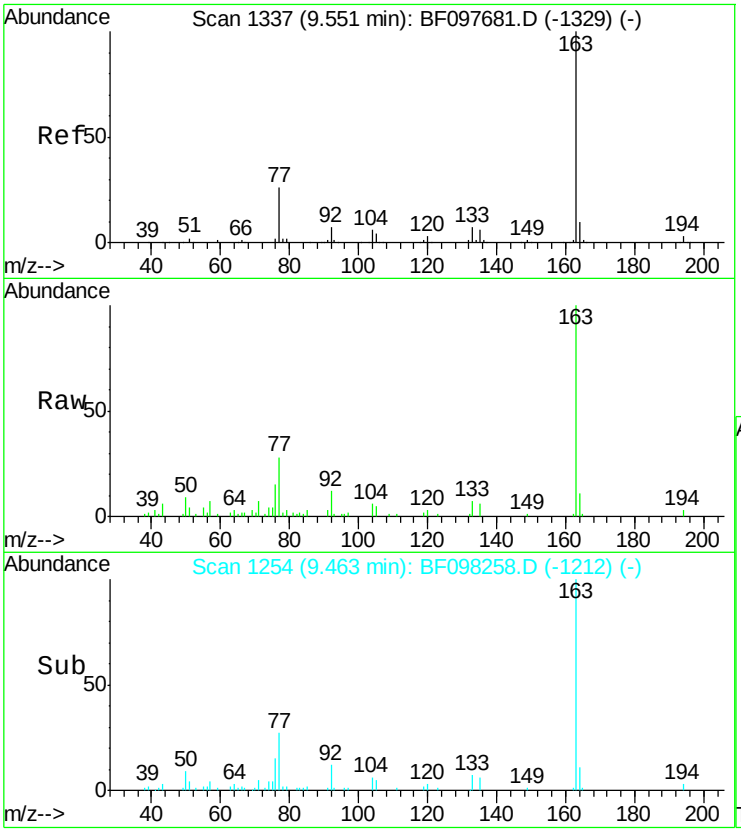


#44
2-Fluorobiphenyl
Concen: 19.185 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:172 Resp: 210614

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.2	19.8	29.8

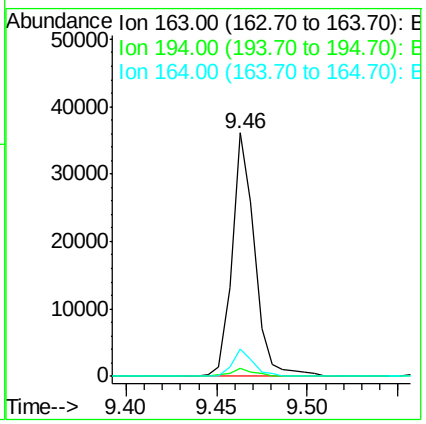




#49
Dimethylphthalate
Concen: 2.652 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.05 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:163 Resp: 31261

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	11.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

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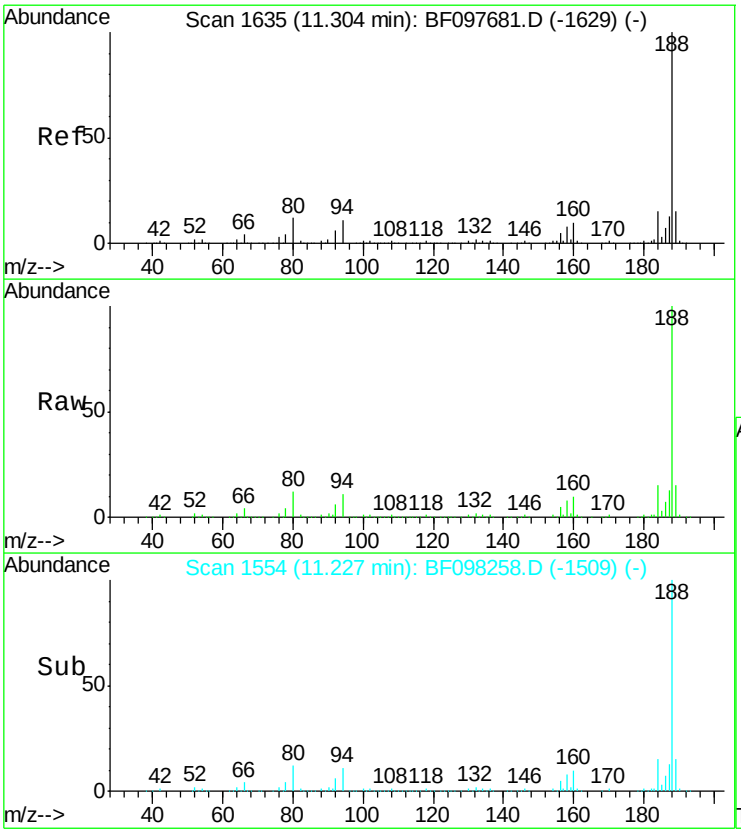
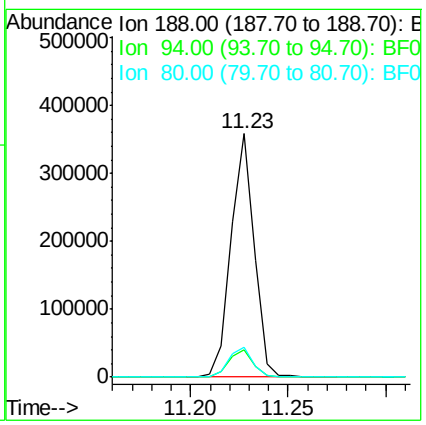
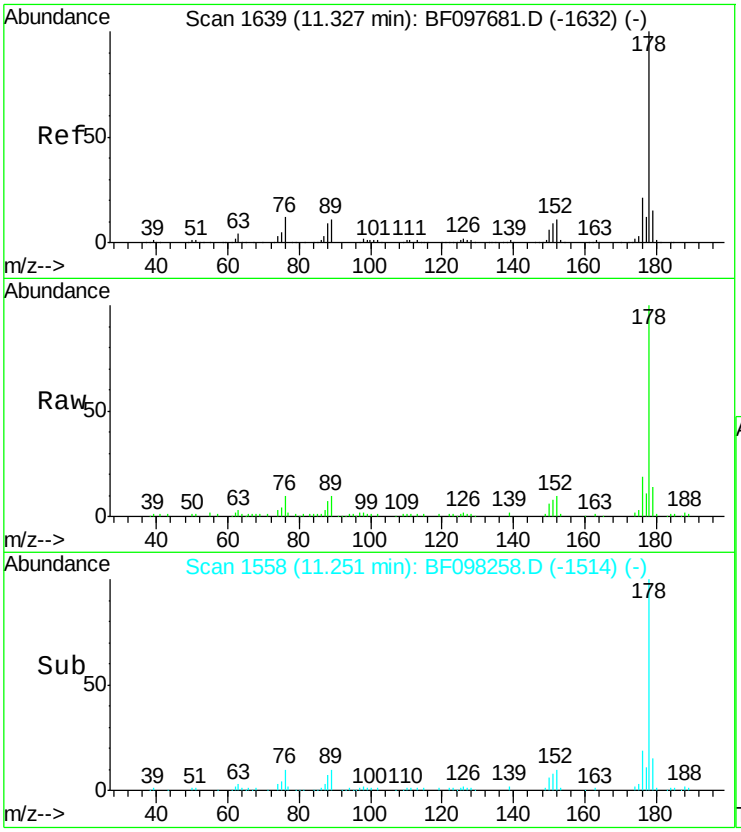


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:188 Resp: 294902

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.4	10.2	15.2

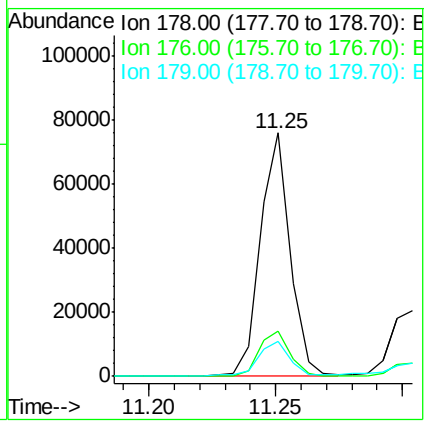




#70
Phenanthrene
Concen: 3.947 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:178 Resp: 62019

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	14.4	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

Manual Integrations APPROVED
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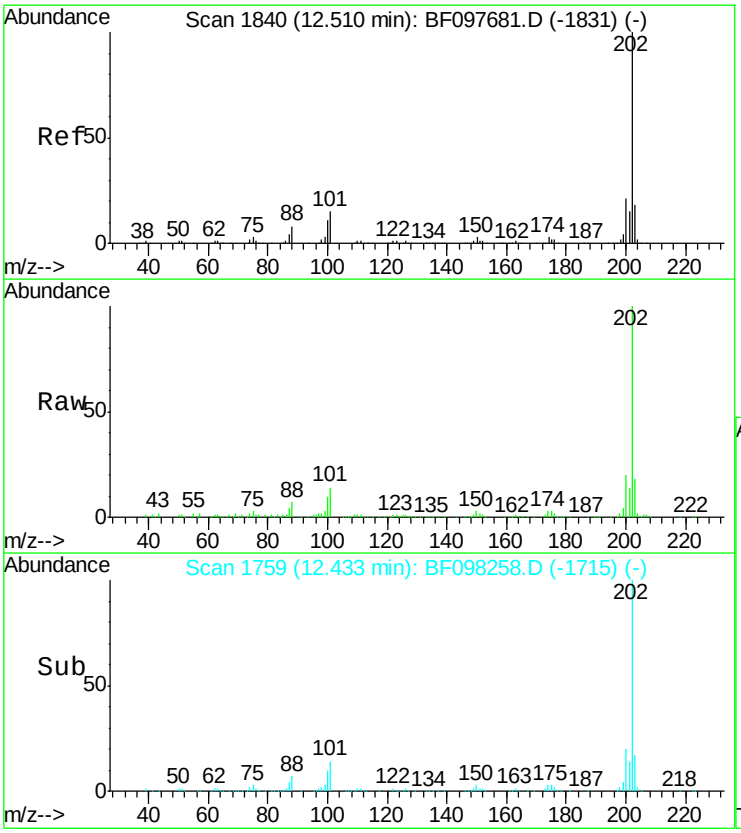
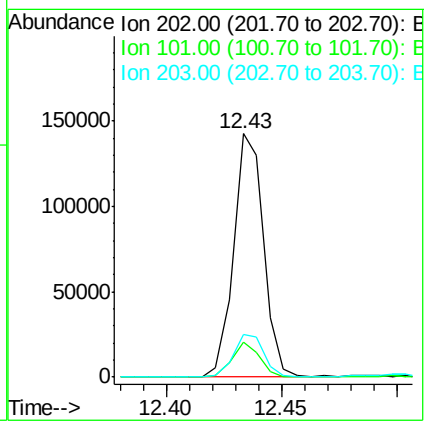
9/5/2017 4:55:18 PM

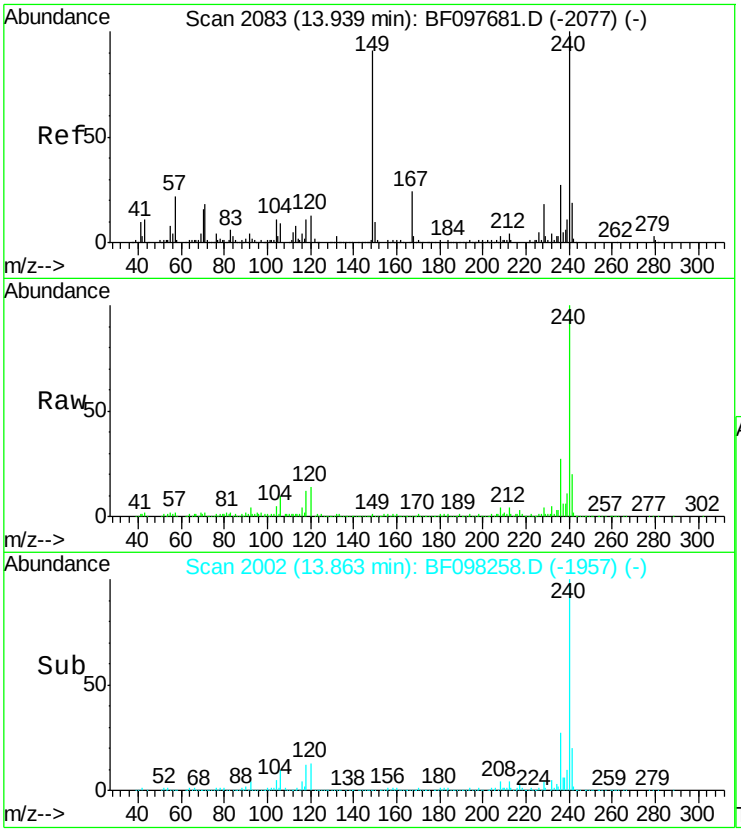


#74
Fluoranthene
Concen: 7.872 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:202 Resp: 129113

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.7	0.0	38.1

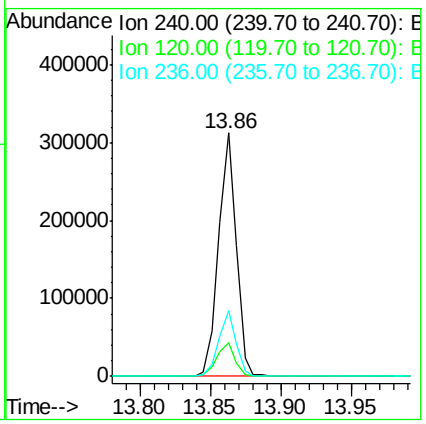




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:240 Resp: 273801

Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	27.0	20.5	30.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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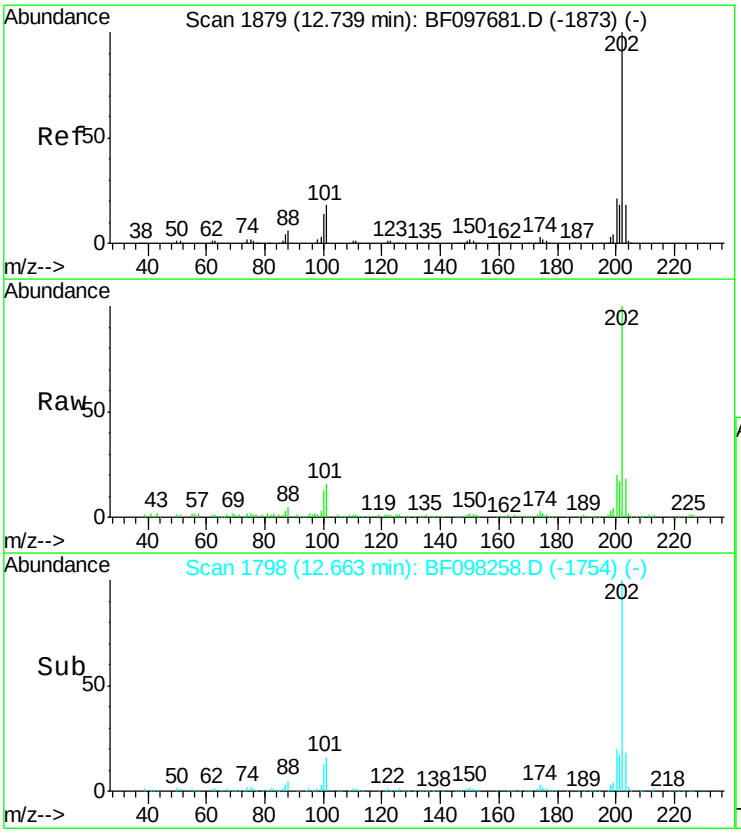
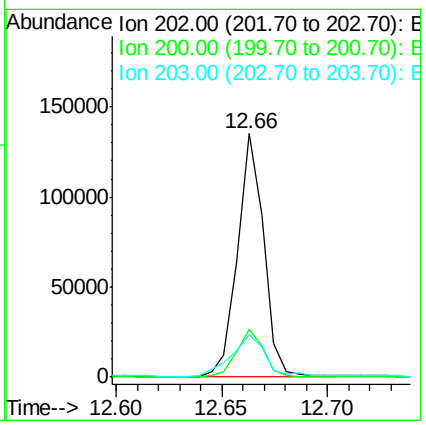
9/5/2017 4:55:18 PM

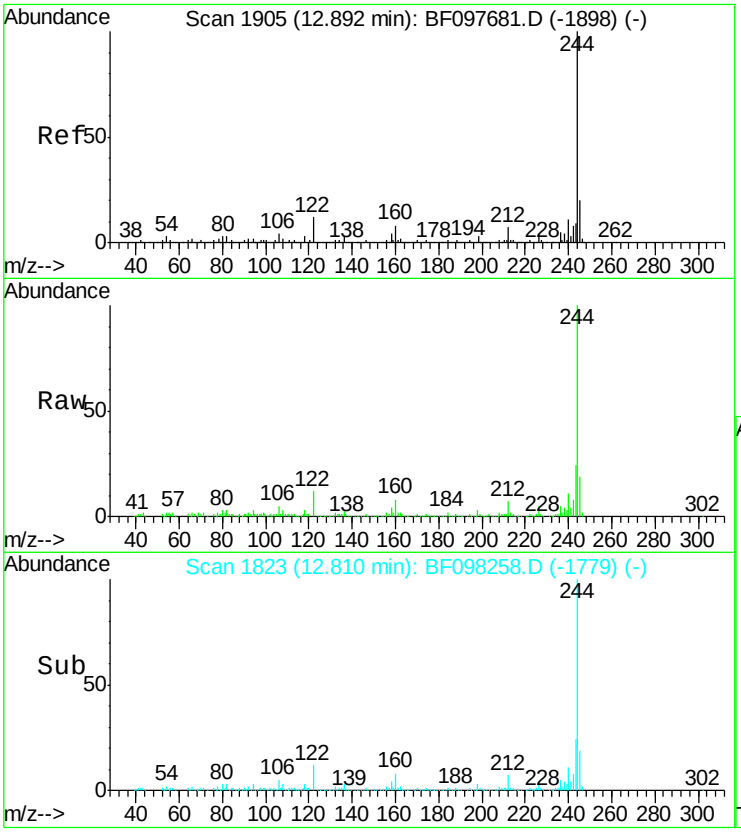


#77
Pyrene
Concen: 5.196 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:202 Resp: 116352

Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.6	26.4
203	17.7	14.4	21.6

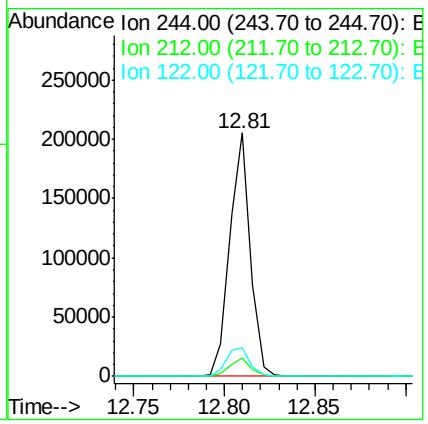




#78
Terphenyl-d14
Concen: 12.372 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:244 Resp: 162441

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.0	10.3	15.5



Instrument :
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ClientSampleId :
B-17(0-10)COMP

Manual Integrations APPROVED
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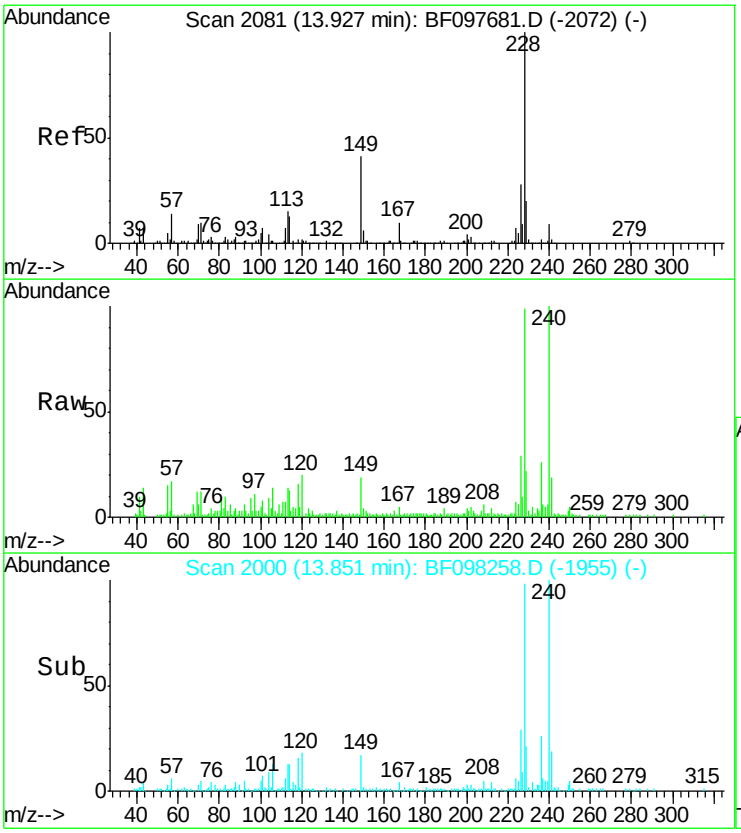
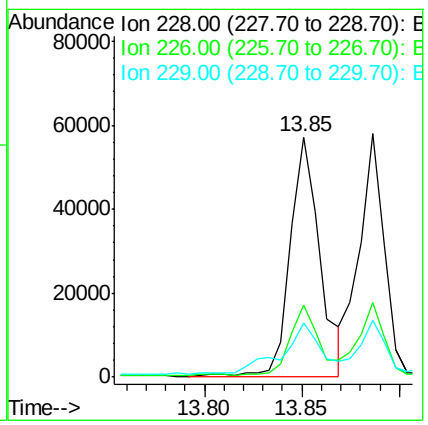
9/5/2017 4:55:18 PM

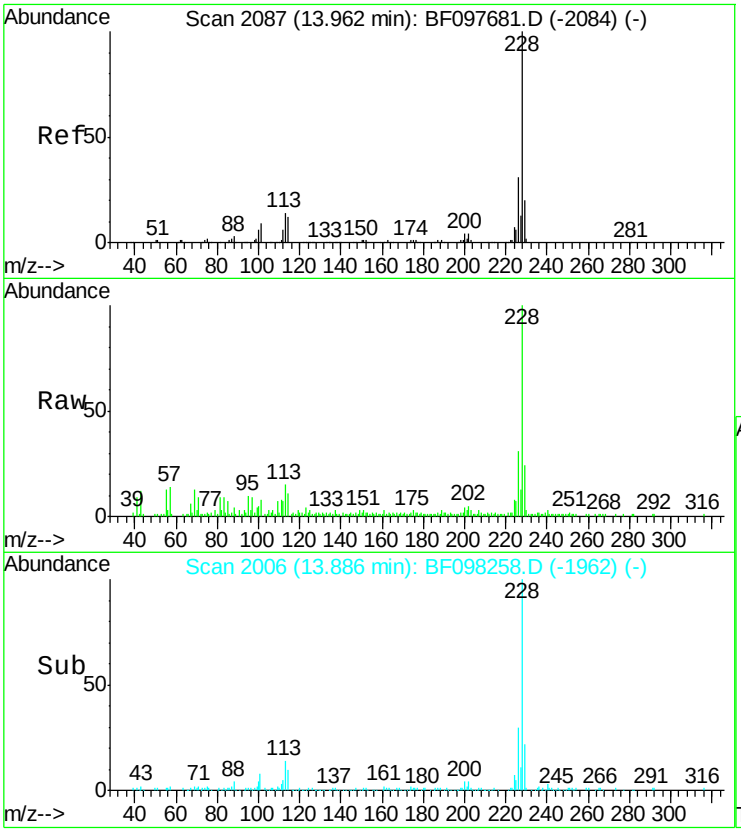


#80
Benzo(a)anthracene
Concen: 3.732 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:228 Resp: 61249

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	22.4	16.3	24.5

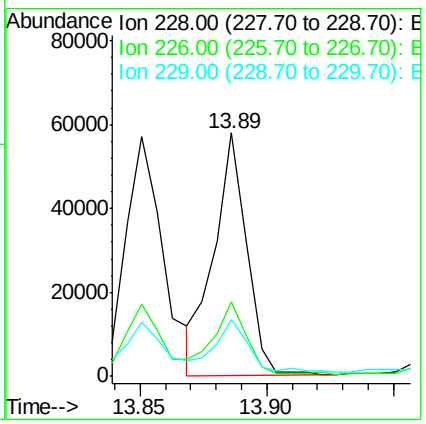




#82
Chrysene
Concen: 3.197 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

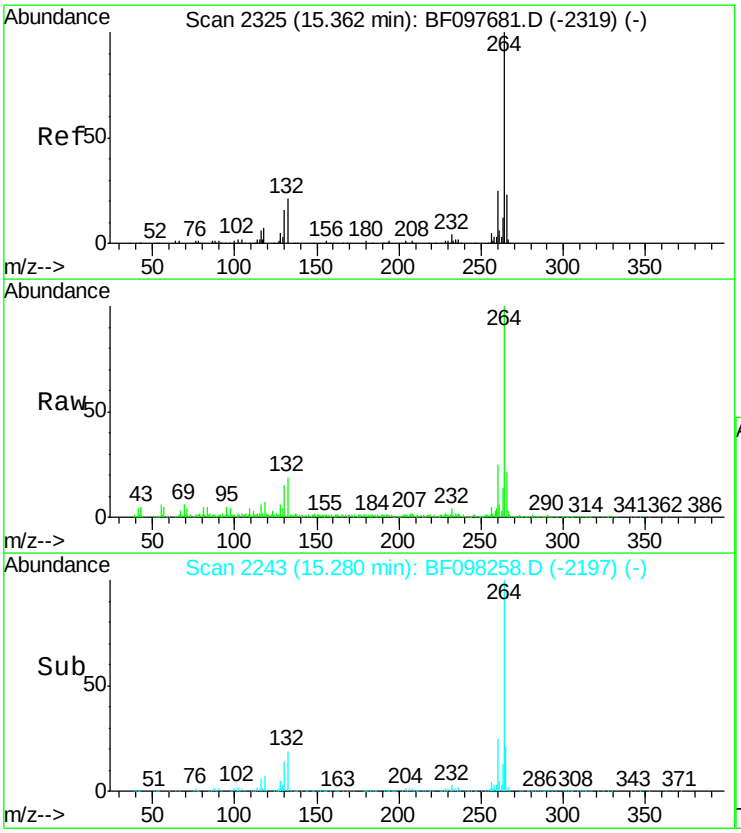
Tgt Ion:228 Resp: 52190

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

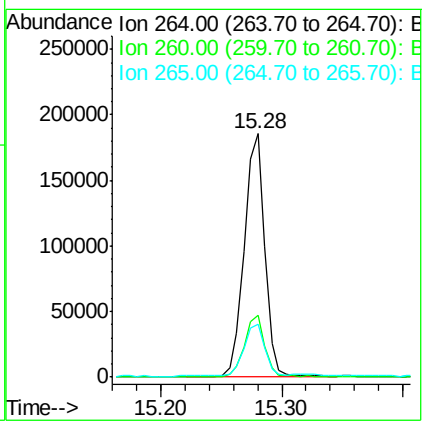
Manual Integrations APPROVED
mohammad
9/5/2017 4:55:18 PM

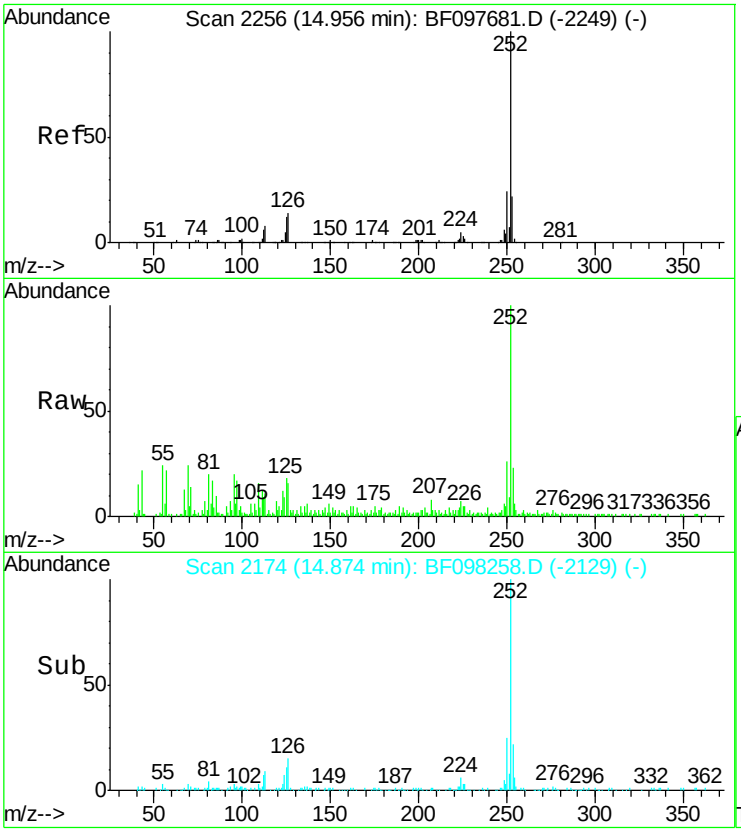


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.03 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:264 Resp: 223327

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	21.5	17.2	25.8

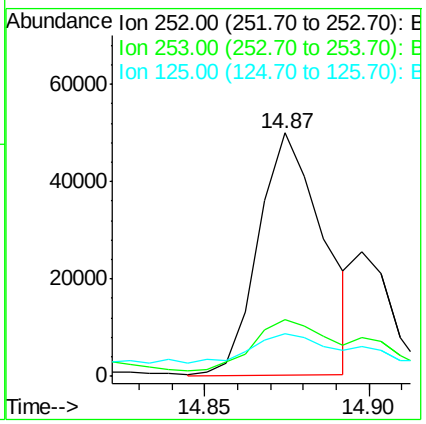




#87
Benzo(b)fluoranthene
Concen: 4.813 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

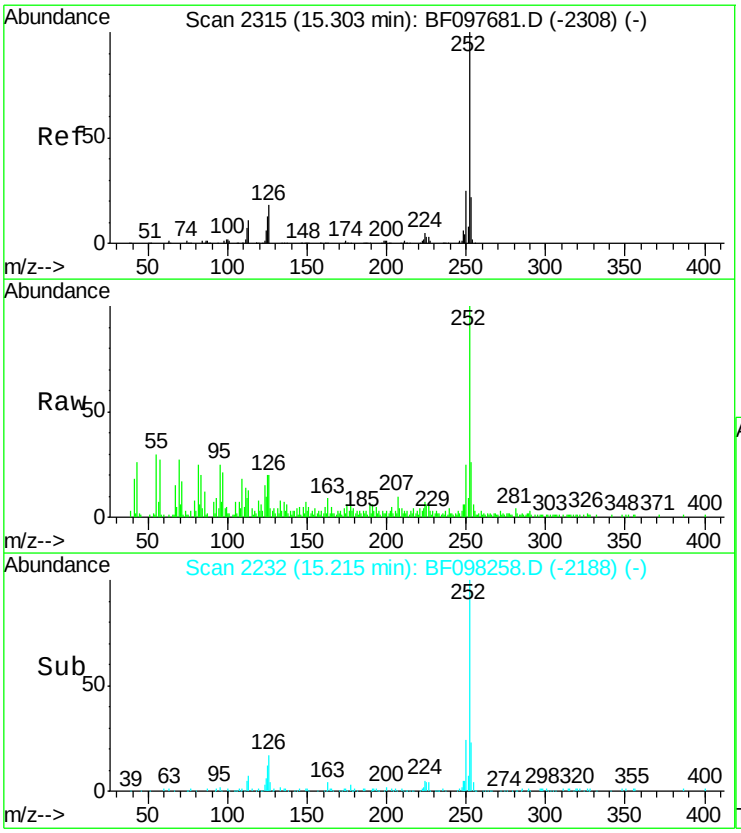
Tgt Ion:252 Resp: 67746

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.6	9.8	14.8#



Instrument :
BNA_F
ClientSampleId :
B-17(0-10)COMP

Manual Integrations APPROVED
mohammad
9/5/2017 4:55:18 PM



#89
Benzo(a)pyrene
Concen: 3.540 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:252 Resp: 44113

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	19.6	11.0	16.4#