Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091634.D
Acq On : 15 Dec 2016 17:56
Operator : UM/SJ
Sample : H6012-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5-8-9

Manual Integrations APPROVED
UMANGI
12/16/2016 6:23:34 PM

Quant Time: Dec 16 00:49:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	312712	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	1217305	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	657733	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	950314	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	640434	20.00	ng	0.00
86) Perylene-d12	15.35	264	606645	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1960822	105.64	ng	0.01
7) Phenol-d6	6.43	99	2719437	117.52	ng	0.00
23) Nitrobenzene-d5	7.34	82	1704747	78.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	548899	100.47	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2298422	60.38	ng	0.00
78) Terphenyl-d14	12.89	244	1691194	59.92	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.44	94	196484	7.26	ng	# 73
49) Dimethylphthalate	9.54	163	411200	9.87	ng	# 98
74) Fluoranthene	12.51	202	338452	6.87	ng	97
77) Pyrene	12.74	202	341031	6.71	ng	99
80) Benzo(a)anthracene	13.93	228	197147	5.30	ng	97
82) Chrysene	13.96	228	157419m	4.05	ng	
85) Indeno(1,2,3-cd)pyrene	16.68	276	93630	2.67	ng	# 94
87) Benzo(b)fluoranthene	14.95	252	215266m	5.95	ng	
88) Benzo(k)fluoranthene	14.97	252	71847m	2.26	ng	
89) Benzo(a)pyrene	15.28	252	153246	4.70	ng	98
91) Benzo(g,h,i)perylene	17.09	276	84556	2.85	ng	96

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091634.D
Acq On : 15 Dec 2016 17:56
Operator : UM/SJ
Sample : H6012-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 16 00:49:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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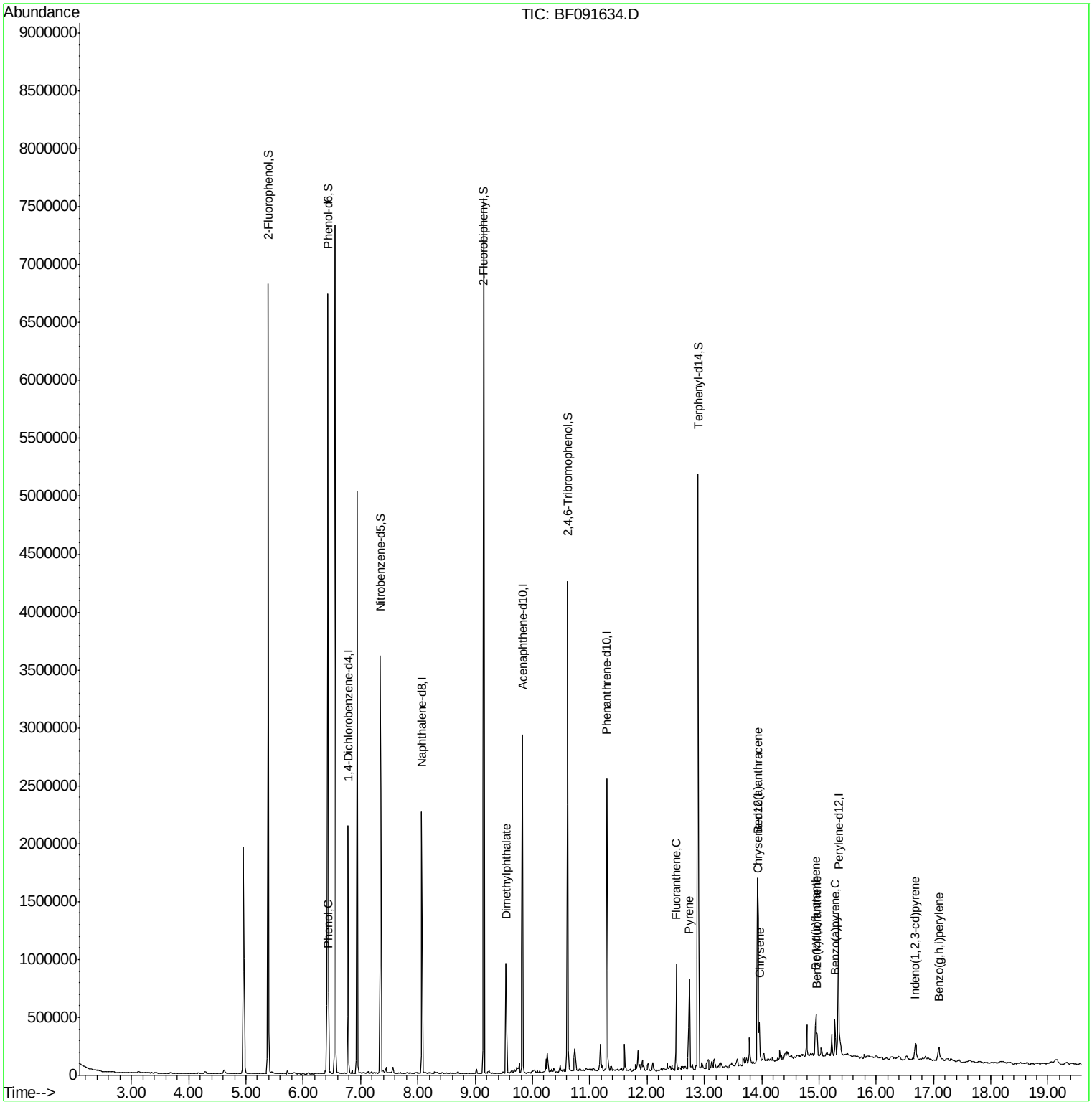
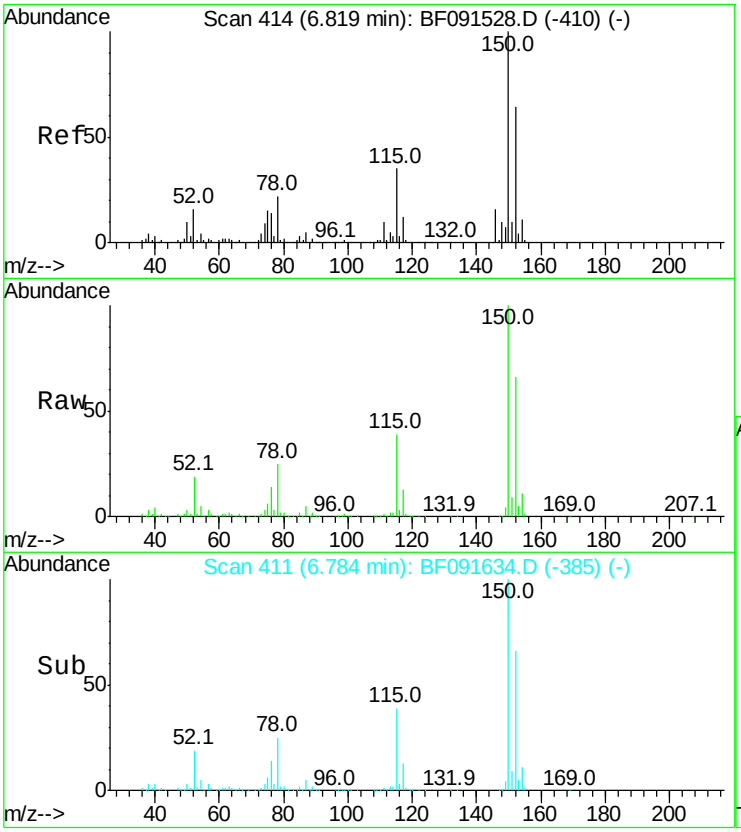
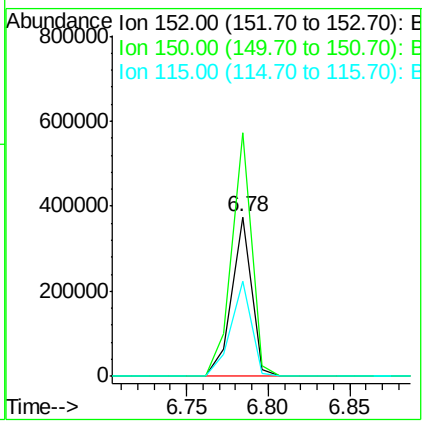




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:152 Resp: 312712

Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.5	183.7
115	59.7	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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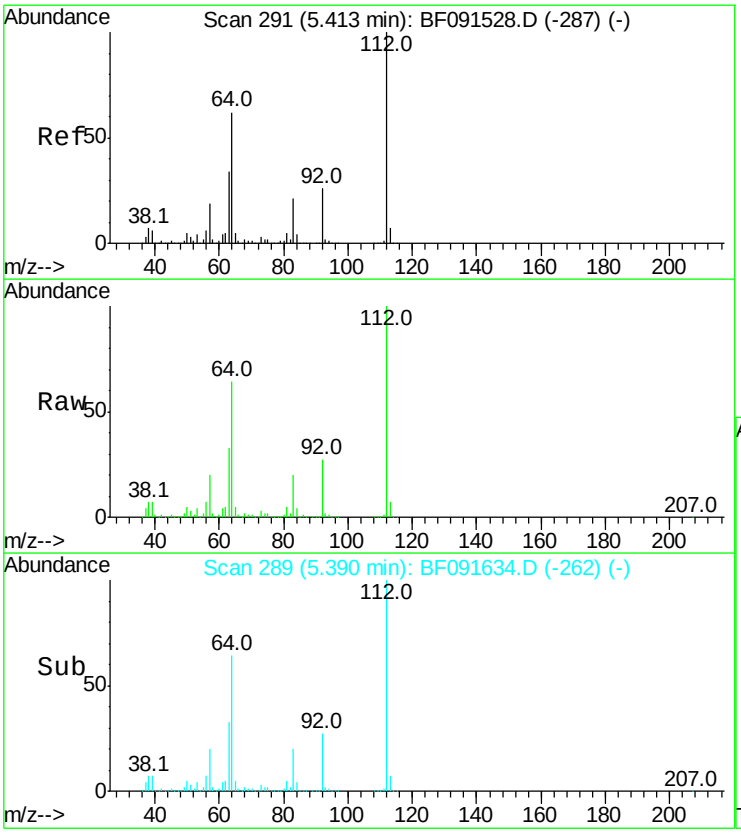
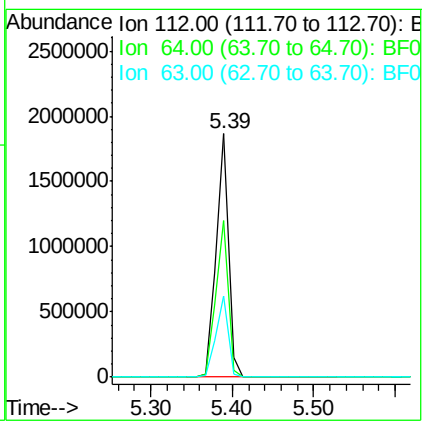
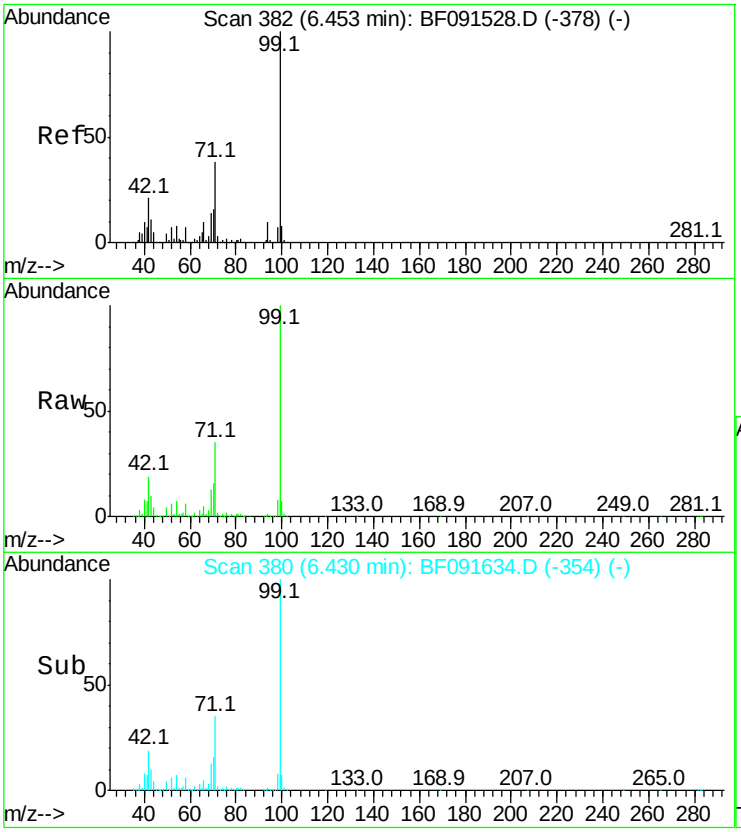


#5
2-Fluorophenol
Concen: 105.64 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:112 Resp: 1960822

Ion	Ratio	Lower	Upper
112	100		
64	64.1	61.5	92.3
63	33.2	33.3	49.9#

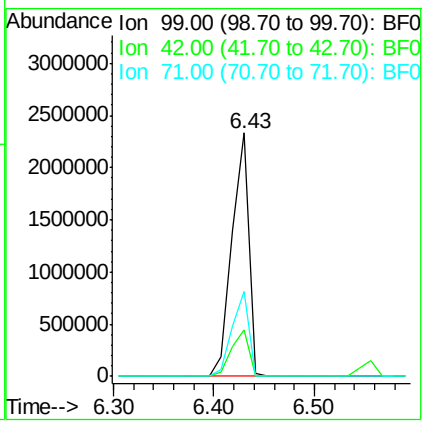




#7
Phenol-d6
Concen: 117.52 ng
RT: 6.43 min Scan# 380
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion: 99 Resp: 2719437

Ion	Ratio	Lower	Upper
99	100		
42	19.0	20.6	31.0#
71	34.8	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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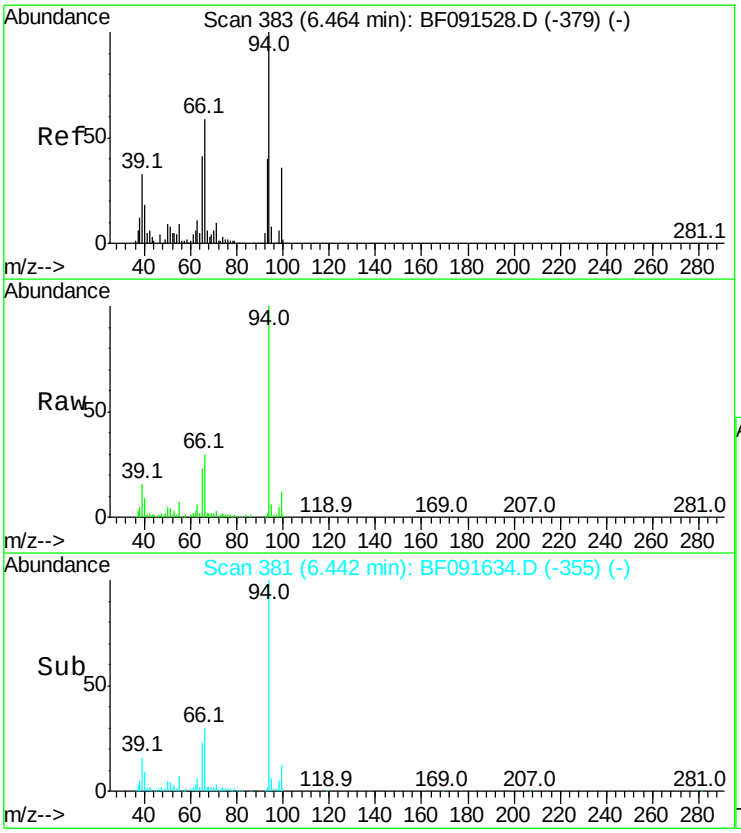
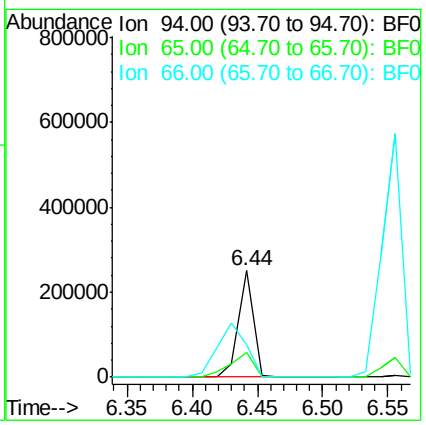
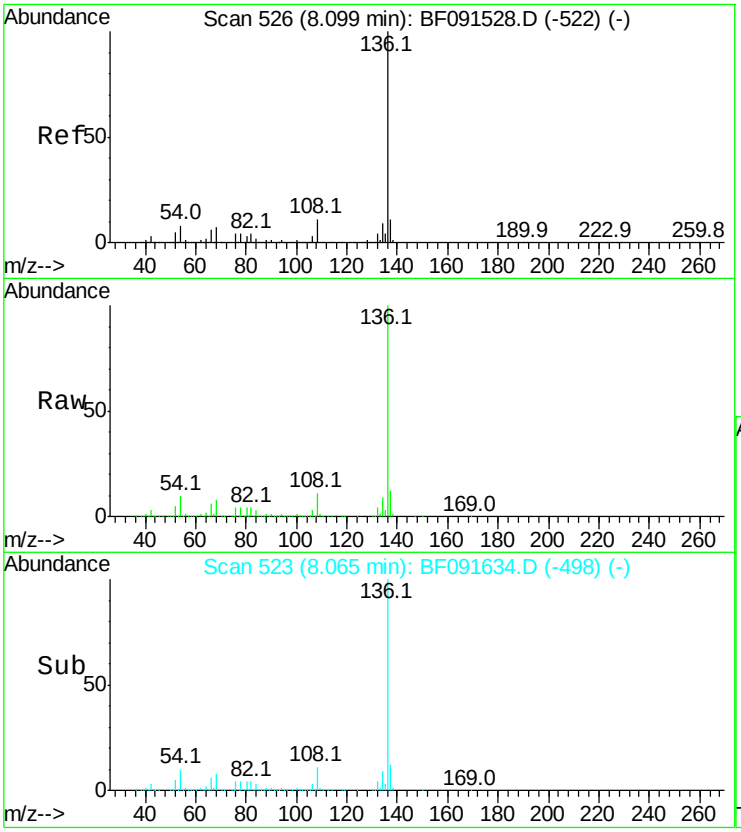


#10
Phenol
Concen: 7.26 ng
RT: 6.44 min Scan# 381
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion: 94 Resp: 196484

Ion	Ratio	Lower	Upper
94	100		
65	23.3	16.9	56.9
66	30.4	30.6	70.6#

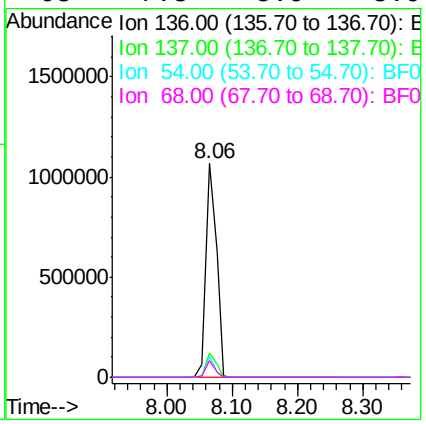




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:136 Resp: 1217305

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.8	9.1	13.7
68	7.8	5.9	8.9



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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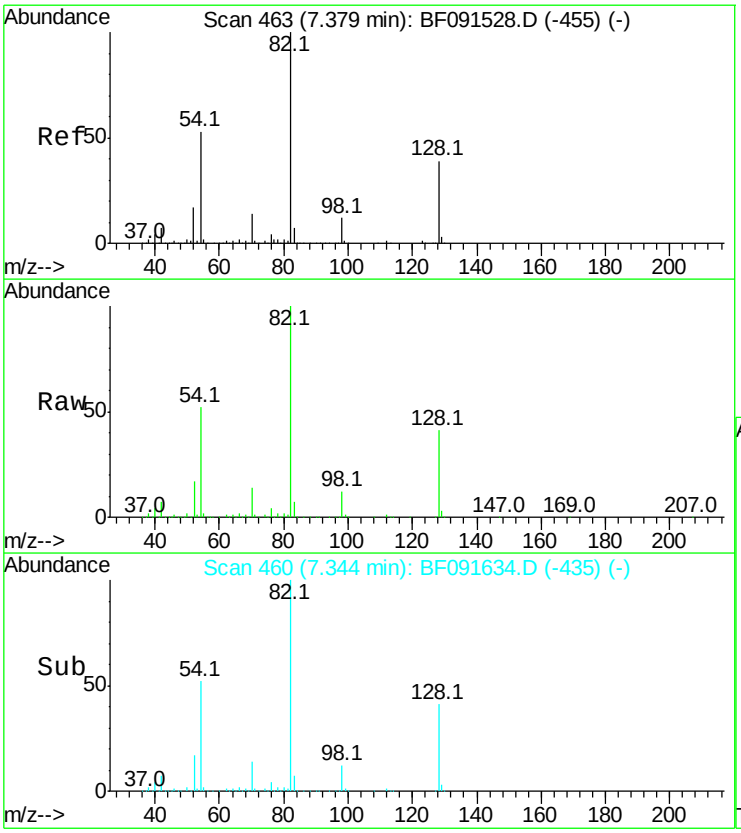
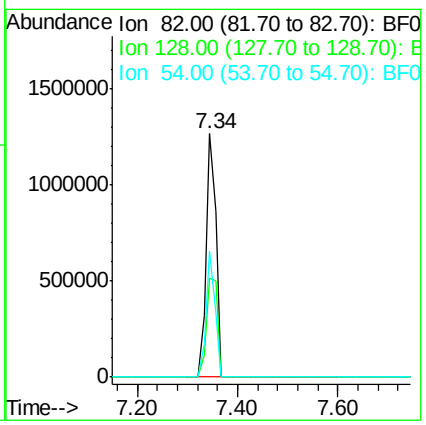
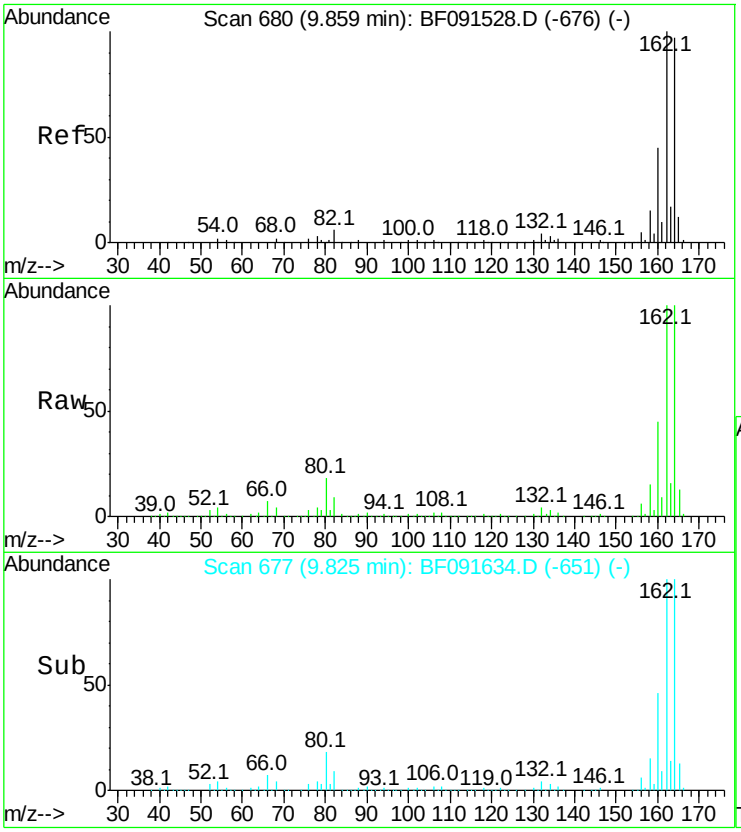


#23
Nitrobenzene-d5
Concen: 78.16 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion: 82 Resp: 1704747

Ion	Ratio	Lower	Upper
82	100		
128	40.5	31.8	47.6
54	51.6	49.1	73.7

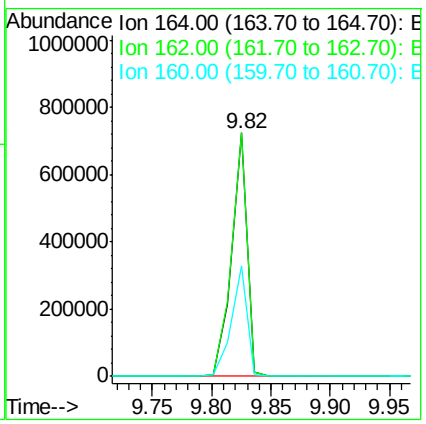




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:164 Resp: 657733

Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.6	124.0
160	45.5	36.7	55.1



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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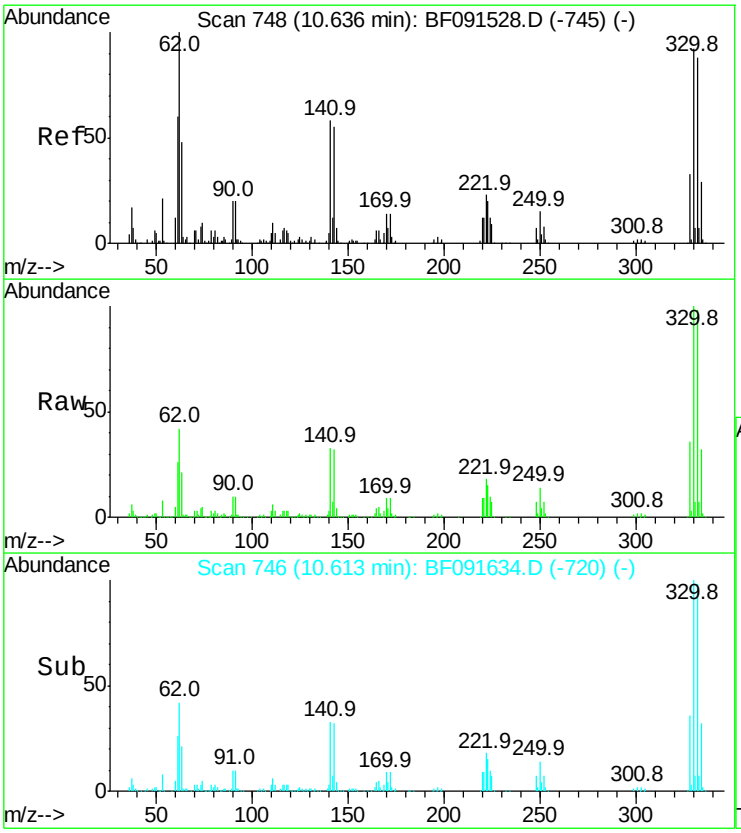
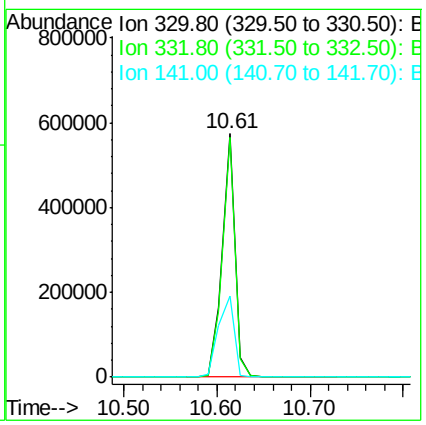
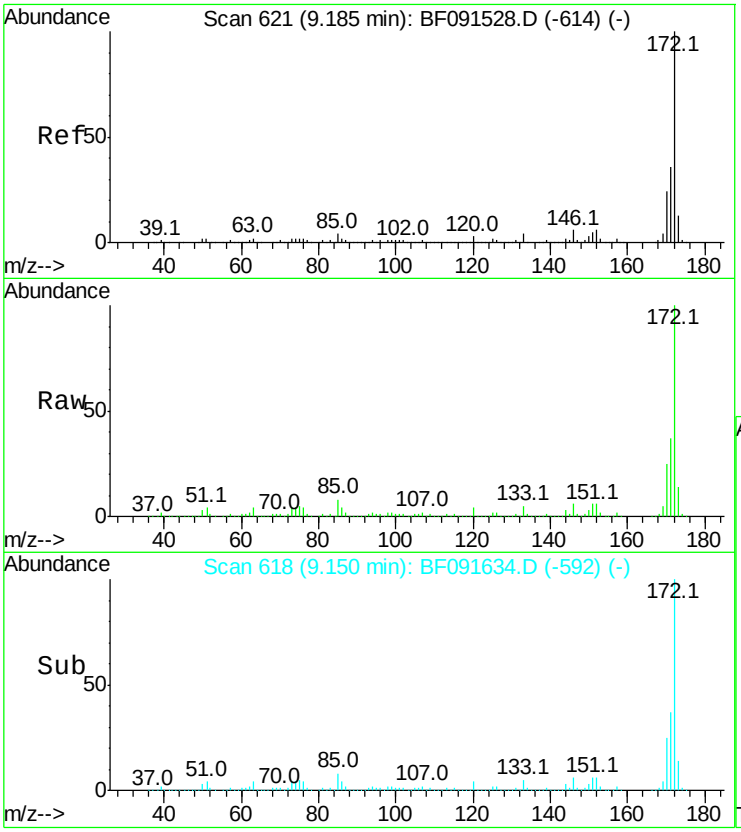


#41
2,4,6-Tribromophenol
Concen: 100.47 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:330 Resp: 548899

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.2	114.4
141	41.2	33.6	50.4

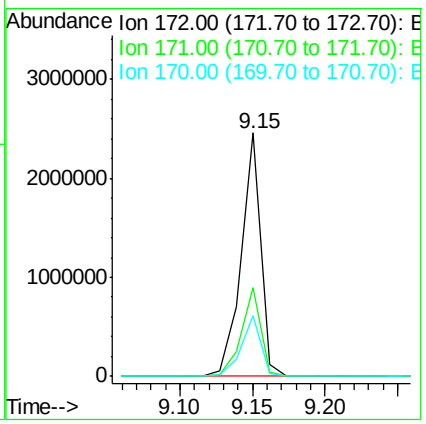




#44
2-Fluorobiphenyl
Concen: 60.38 ng
RT: 9.15 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:172 Resp: 2298422

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.9	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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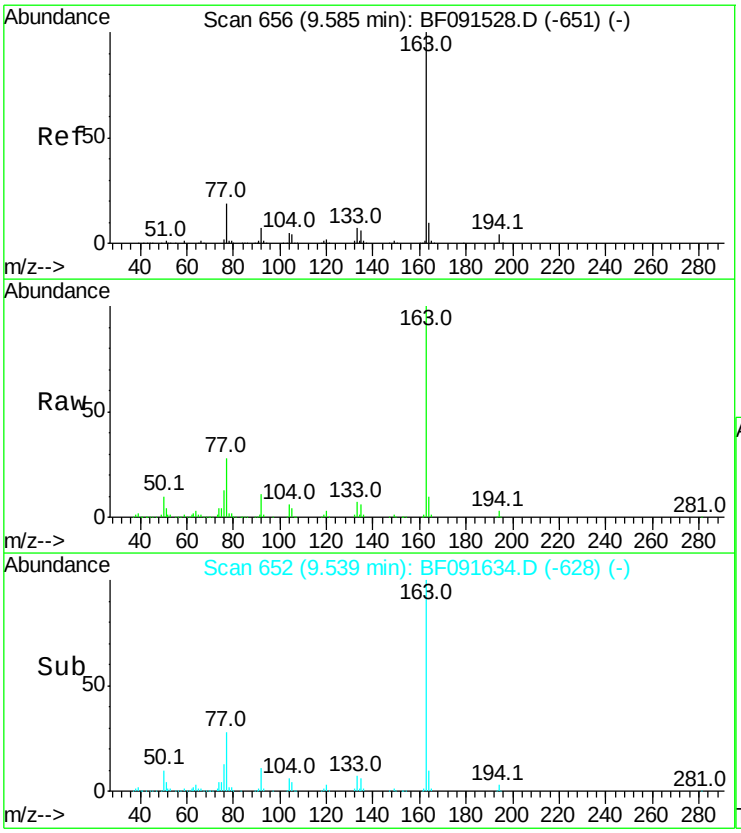
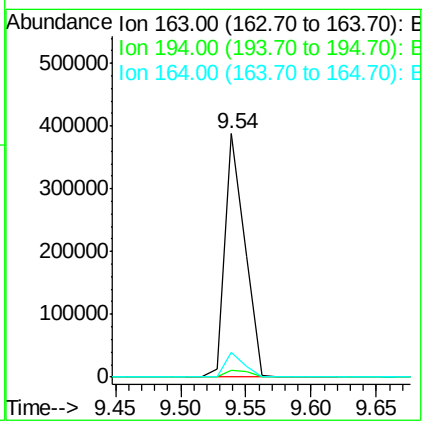
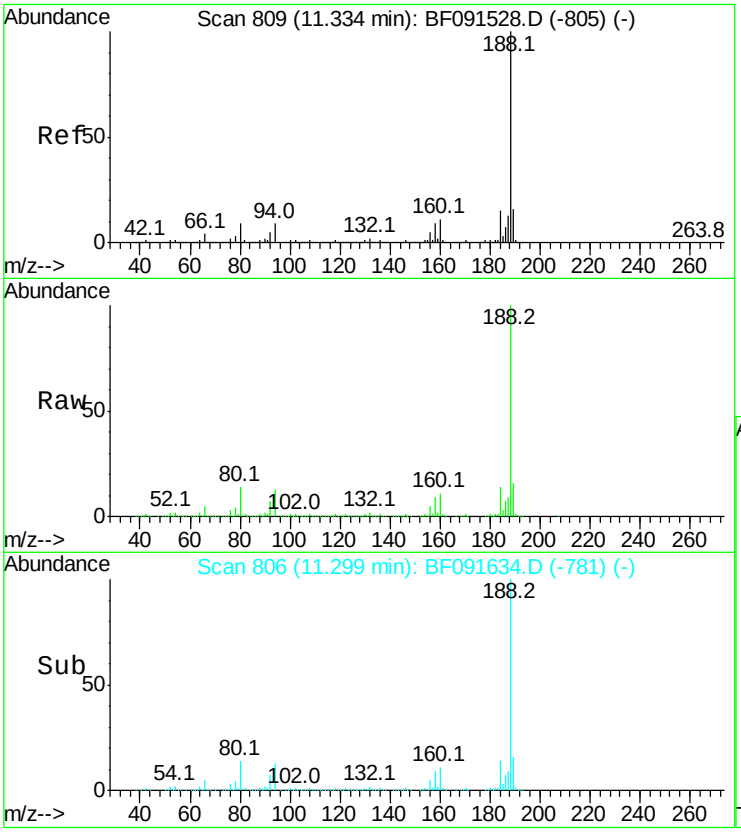


#49
Dimethylphthalate
Concen: 9.87 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:163 Resp: 411200

Ion	Ratio	Lower	Upper
163	100		
194	2.8	3.0	4.4#
164	10.3	7.8	11.8

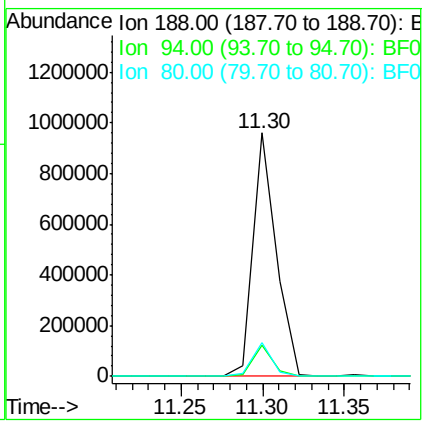




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:188 Resp: 950314

Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.2	13.8
80	14.0	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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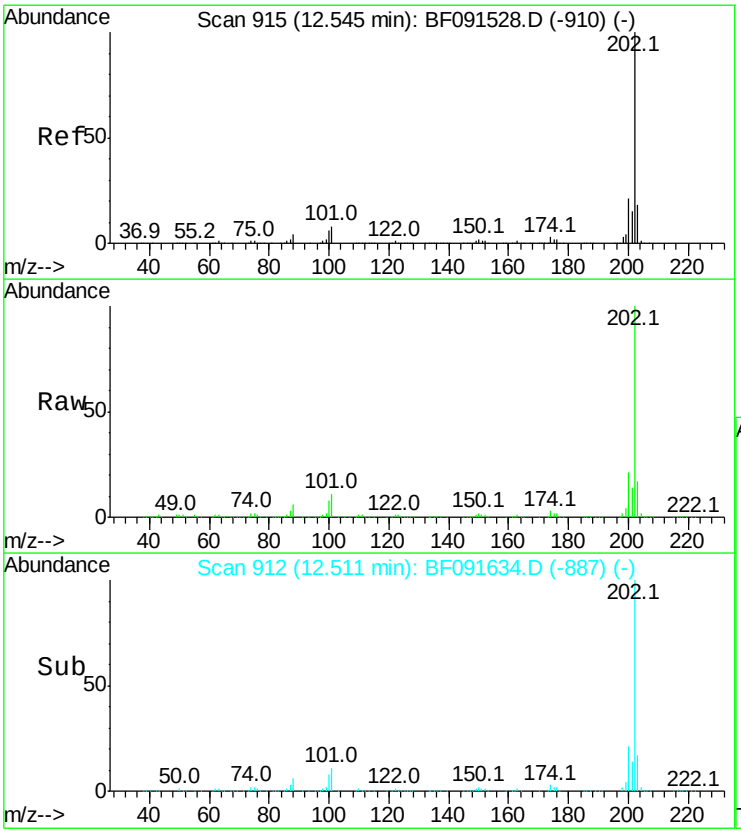
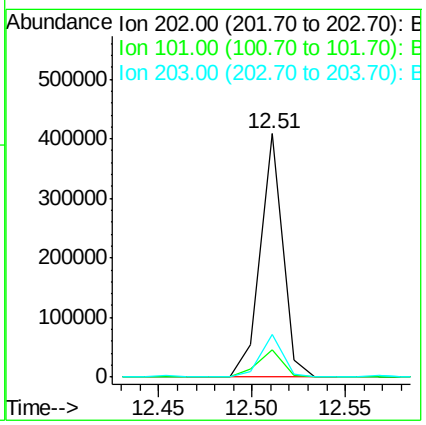
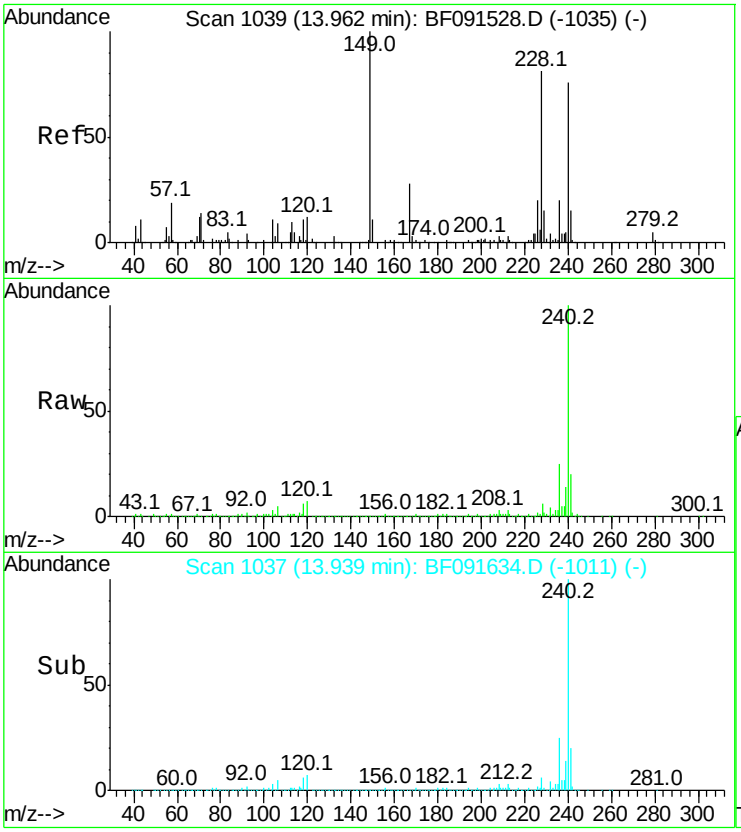


#74
Fluoranthene
Concen: 6.87 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:202 Resp: 338452

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.5
203	17.3	0.0	37.8

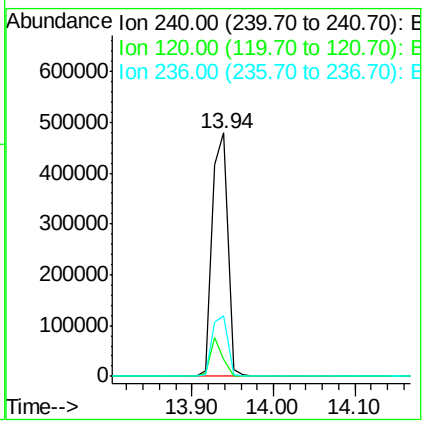




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:240 Resp: 640434

Ion	Ratio	Lower	Upper
240	100		
120	7.2	12.1	18.1#
236	25.0	21.0	31.6



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

Manual Integrations APPROVED
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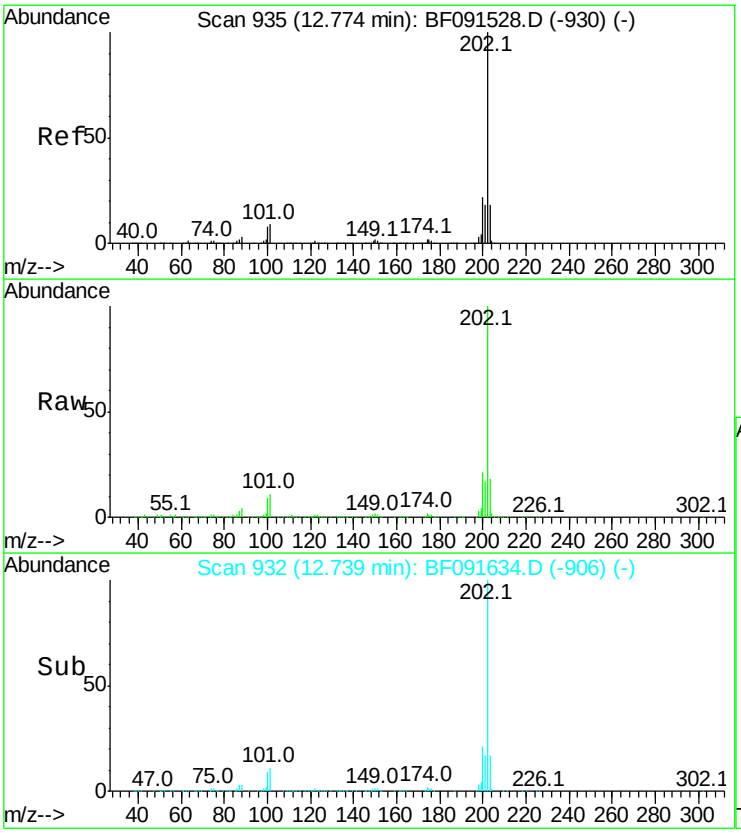
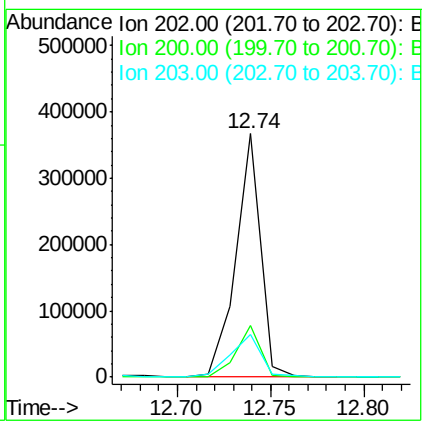
12/16/2016 6:23:34 PM

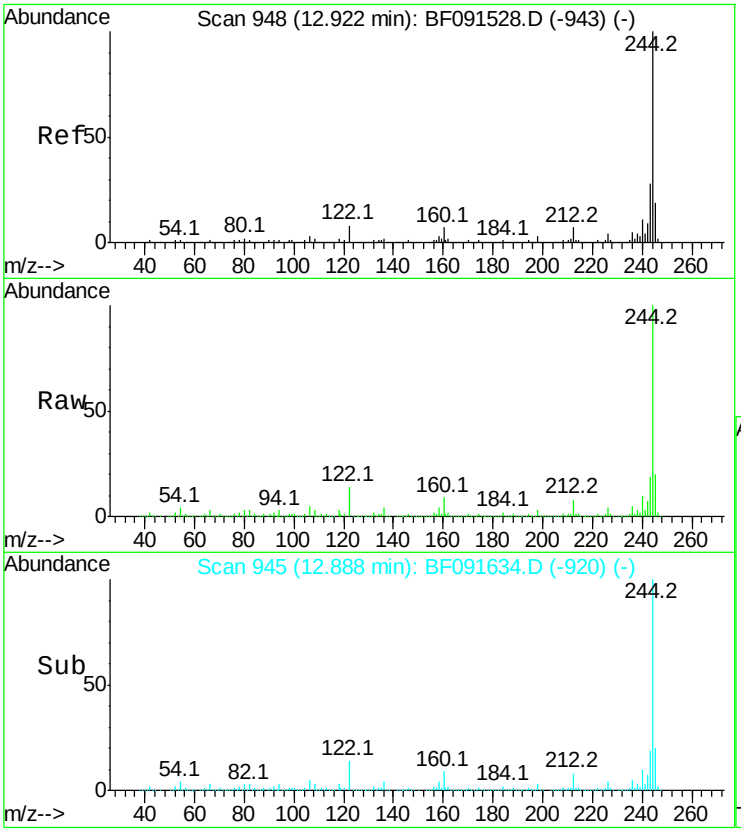


#77
Pyrene
Concen: 6.71 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:202 Resp: 341031

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.6	14.0	21.0

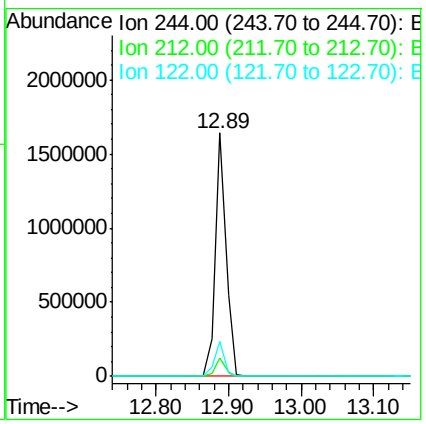




#78
Terphenyl-d14
Concen: 59.92 ng
RT: 12.89 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

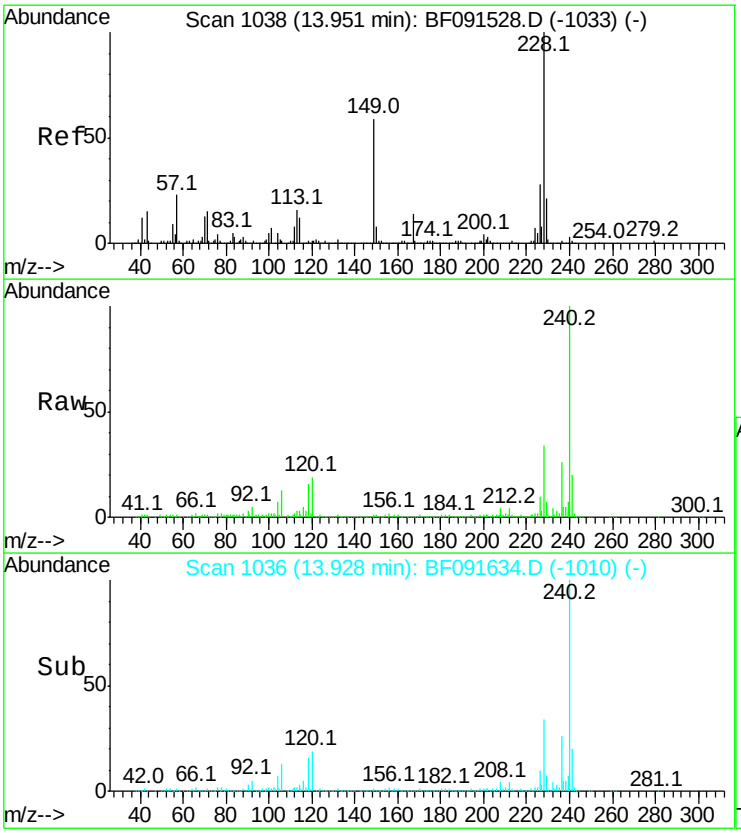
Tgt Ion:244 Resp: 1691194

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	14.3	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

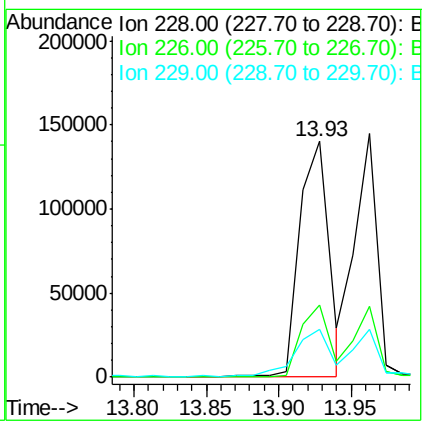
Manual Integrations APPROVED
UMANGI
12/16/2016 6:23:34 PM

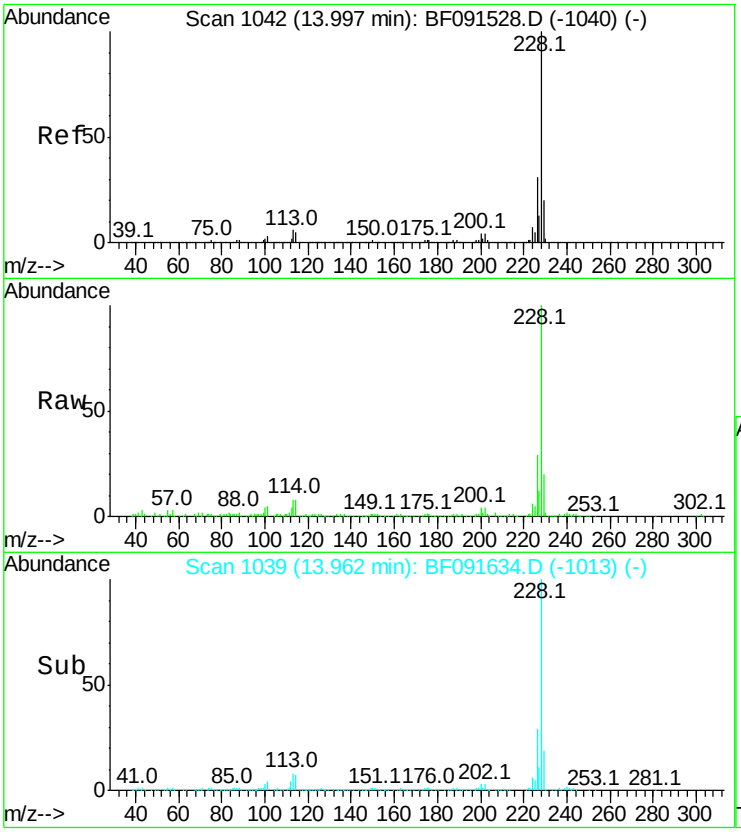


#80
Benzo(a)anthracene
Concen: 5.30 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:228 Resp: 197147

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.5	33.7
229	20.2	16.4	24.6

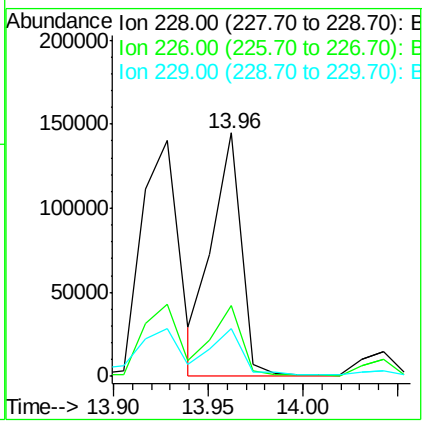




#82
Chrysene
Concen: 4.05 ng m
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:228 Resp: 157419

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.4
229	19.9	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

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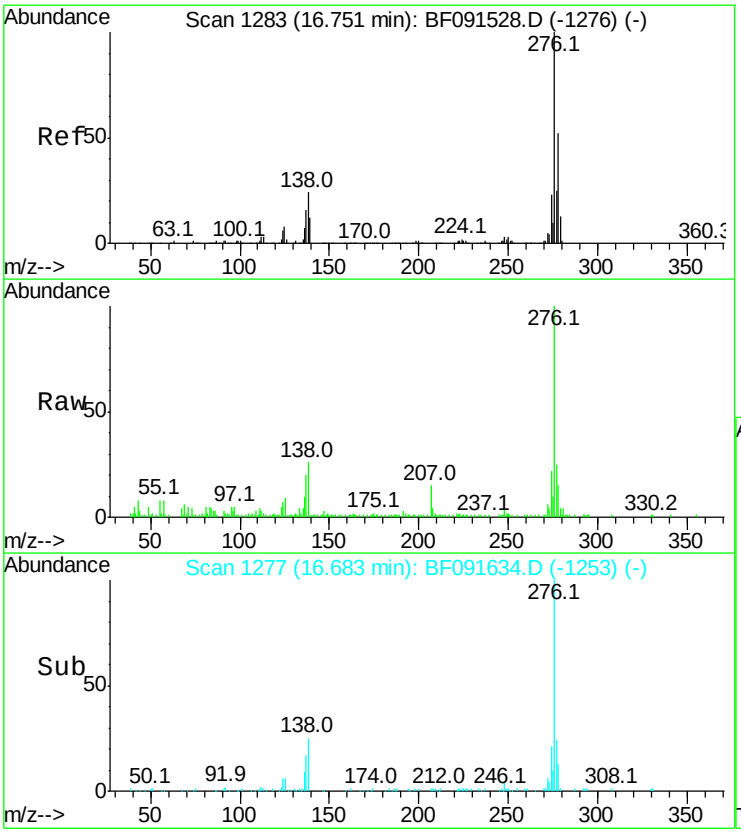
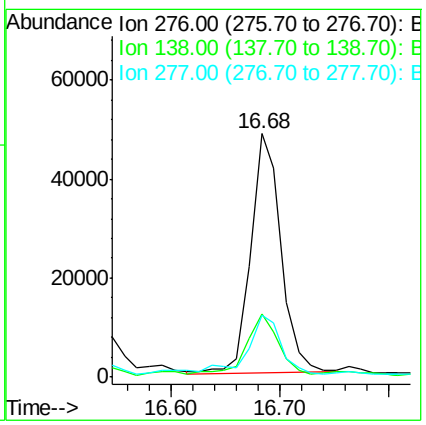
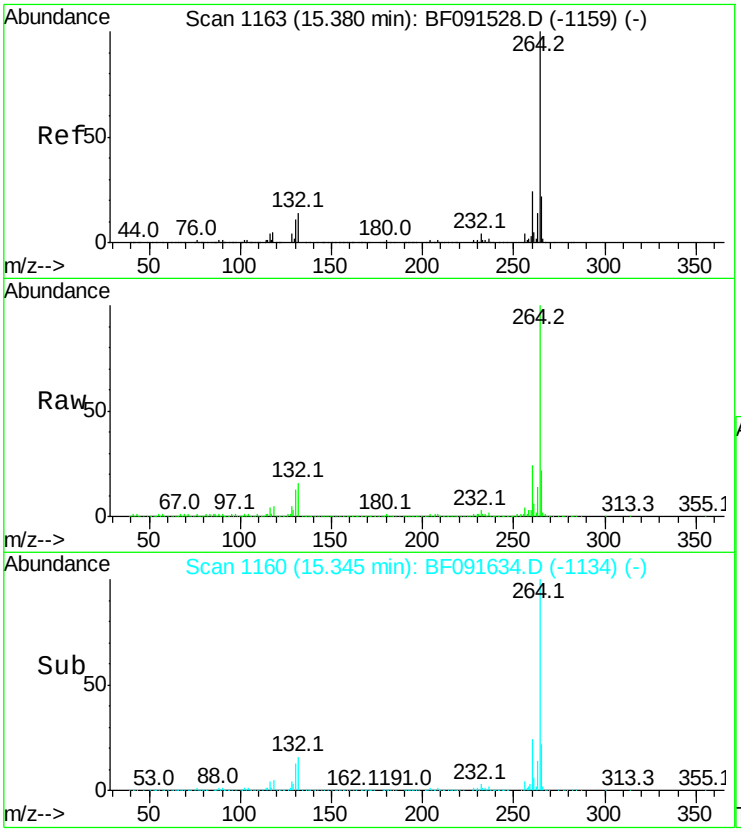


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:276 Resp: 93630

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.0	31.4
277	30.7	20.2	30.2#

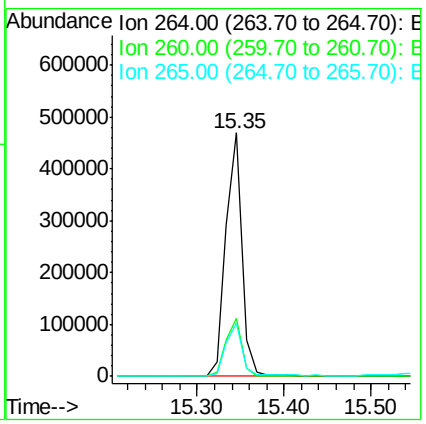




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:264 Resp: 606645

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.6	17.0	25.6



Instrument :
BNA_F
ClientSampleId :
SB-5-8-9

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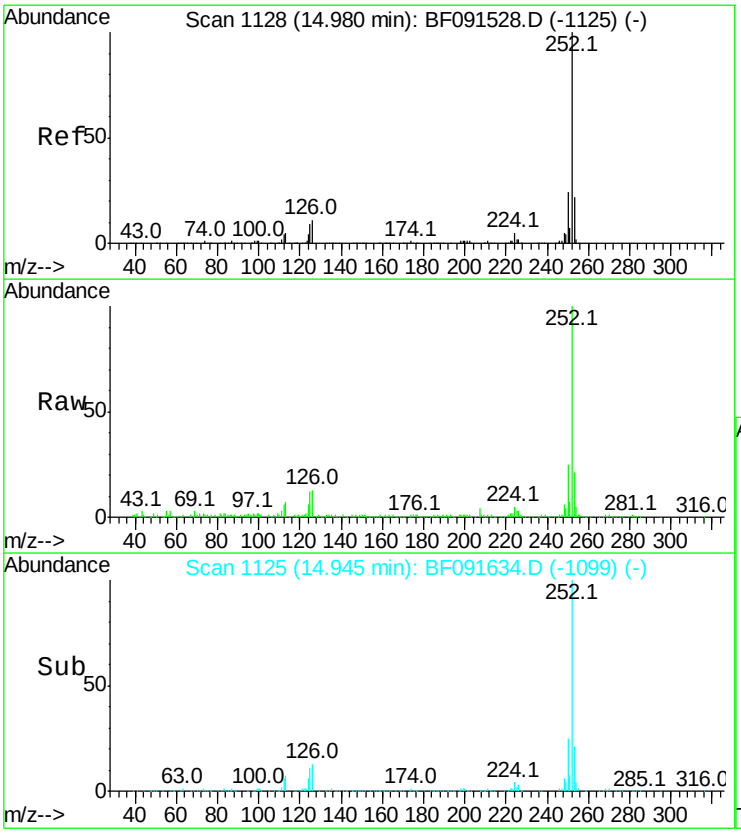
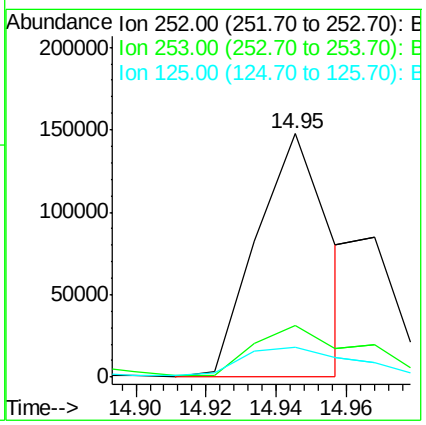
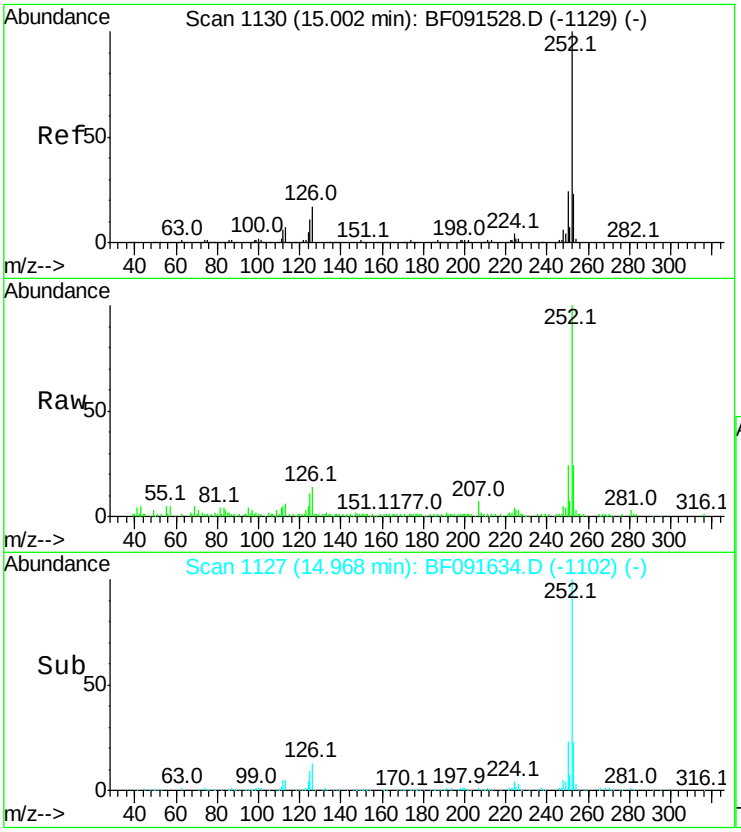


#87
Benzo(b)fluoranthene
Concen: 5.95 ng m
RT: 14.95 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:252 Resp: 215266

Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.2	27.2
125	12.3	8.6	13.0

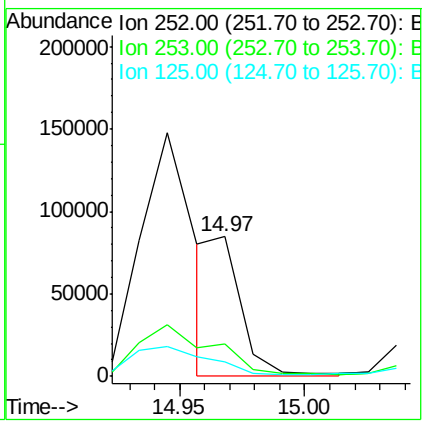




#88
Benzo(k)fluoranthene
Concen: 2.26 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:252 Resp: 71847

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.8	9.6	14.4



Instrument :
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ClientSampleId :
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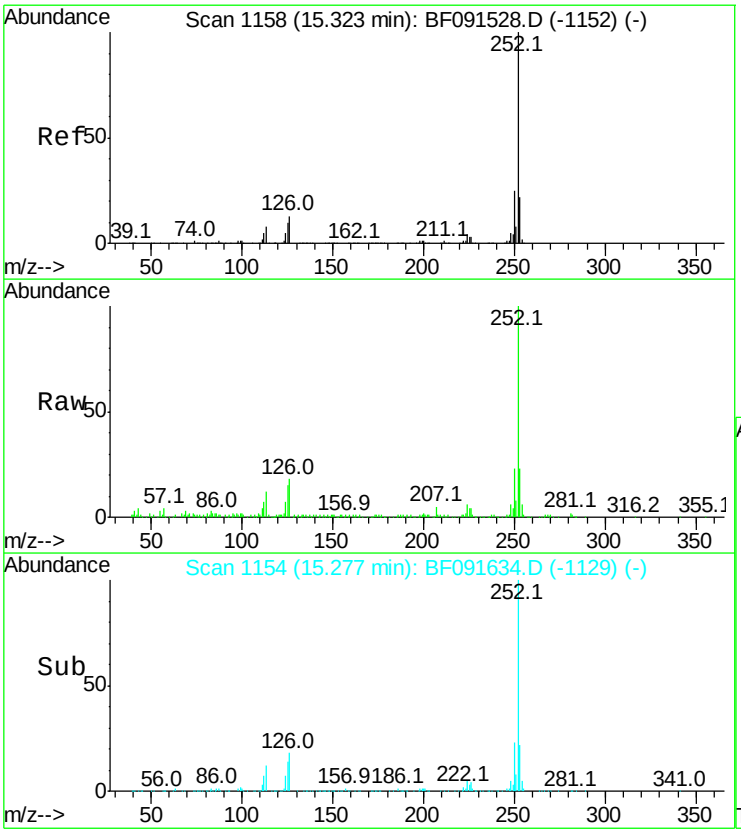
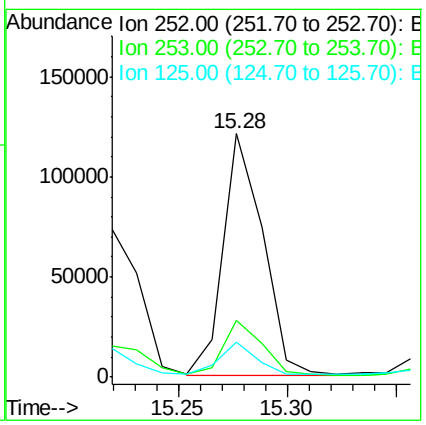
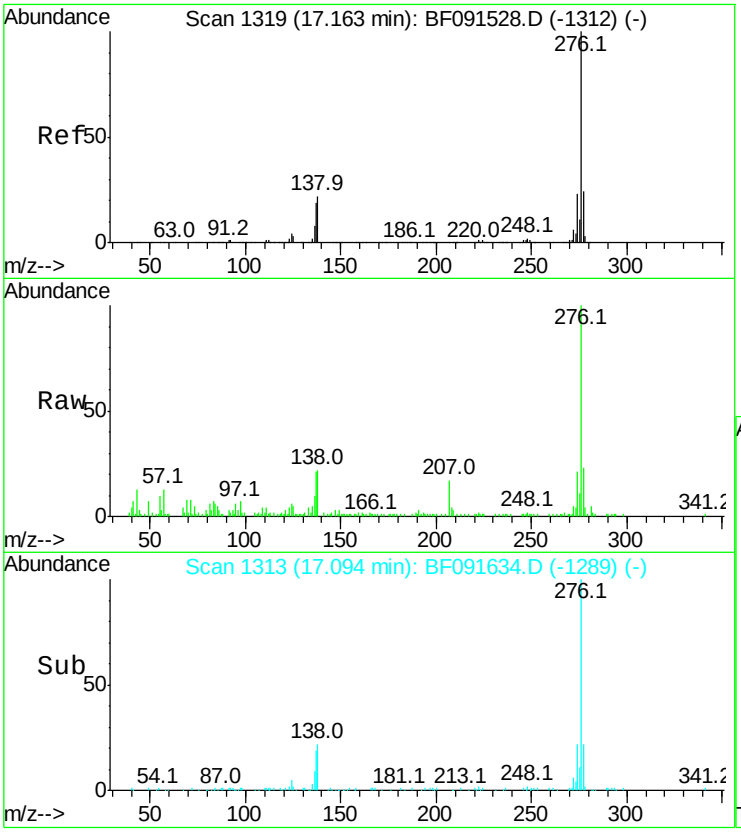


#89
Benzo(a)pyrene
Concen: 4.70 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:252 Resp: 153246

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	14.6	10.4	15.6

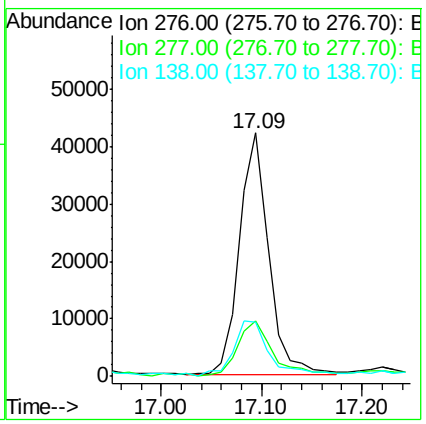




#91
Benzo(g,h,i)perylene
Concen: 2.85 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.02 min
Lab File: BF091634.D
Acq: 15 Dec 2016 17:56

Tgt Ion:276 Resp: 84556

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	22.5	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
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