Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083540.D
Acq On : 7 Dec 2015 3:17
Operator : UM/IZ
Sample : G4614-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
Mmdadoda
12/7/2015 6:33:30 PM

Quant Time: Dec 07 06:42:46 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	194046	20.00	ng		-0.03
21) Naphthalene-d8	7.63	136	730146	20.00	ng		-0.05
38) Acenaphthene-d10	10.42	164	353371	20.00	ng		-0.05
63) Phenanthrene-d10	12.82	188	611625	20.00	ng		-0.03
75) Chrysene-d12	17.01	240	422644	20.00	ng		-0.03
86) Perylene-d12	18.65	264	387151	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.02	112	1707368	133.49	ng		-0.01
7) Phenol-d6	5.30	99	2223492	126.17	ng		-0.02
23) Nitrobenzene-d5	6.57	82	1540816	98.64	ng		-0.03
41) 2,4,6-Tribromophenol	11.71	330	411817	126.34	ng		-0.05
44) 2-Fluorobiphenyl	9.38	172	2134198	81.92	ng		-0.05
78) Terphenyl-d14	15.46	244	1638957	86.29	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	10.06	163	658986	23.69	ng		98
70) Phenanthrene	12.85	178	275150	7.73	ng		98
74) Fluoranthene	14.77	202	384596	10.90	ng		99
77) Pyrene	15.13	202	337990	10.69	ng		96
80) Benzo(a)anthracene	17.00	228	175478	7.10	ng		99
82) Chrysene	17.05	228	143574	5.83	ng		96
85) Indeno(1,2,3-cd)pyrene	19.88	276	66875	3.17	ng	#	100
87) Benzo(b)fluoranthene	18.27	252	154657m	7.11	ng		
88) Benzo(k)fluoranthene	18.29	252	59177m	2.66	ng		
89) Benzo(a)pyrene	18.59	252	119026	5.63	ng		98
91) Benzo(g,h,i)perylene	20.24	276	60649	2.96	ng		98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083540.D
Acq On : 7 Dec 2015 3:17
Operator : UM/IZ
Sample : G4614-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 07 06:42:46 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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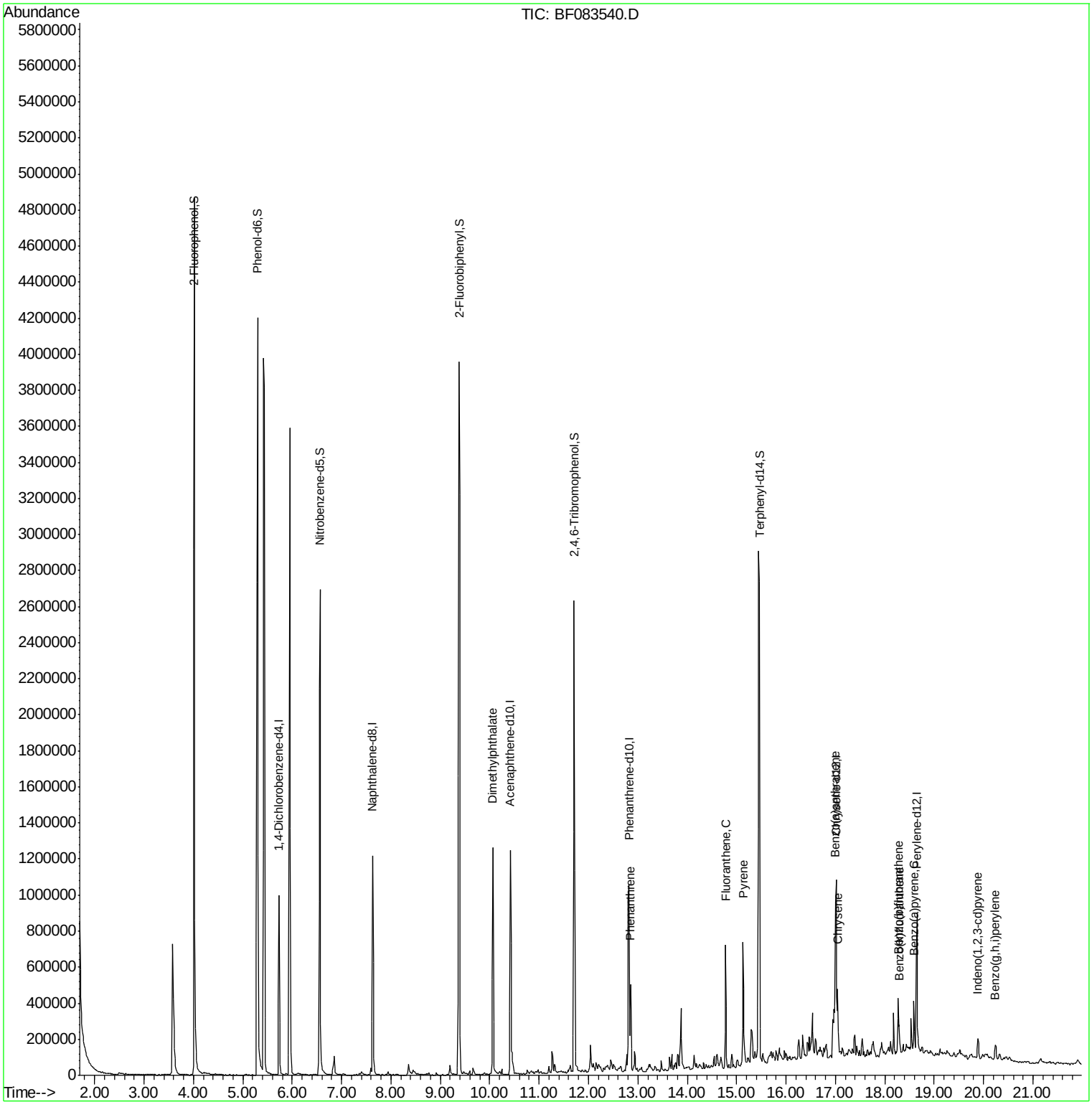
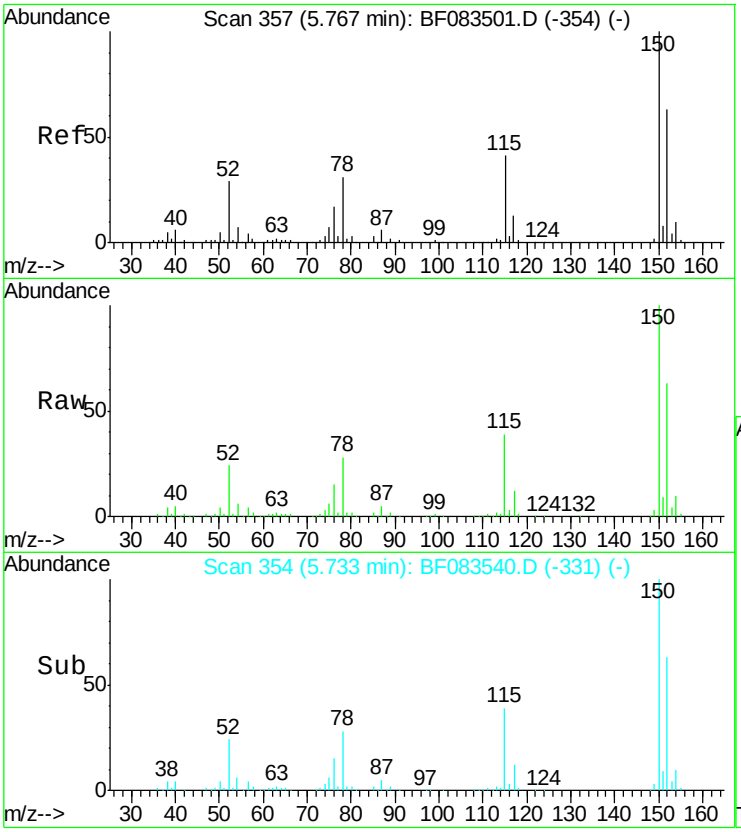
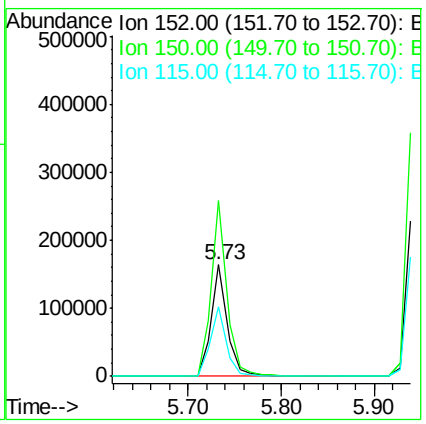




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:152 Resp: 194046

Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.5	189.7
115	62.6	52.3	78.5



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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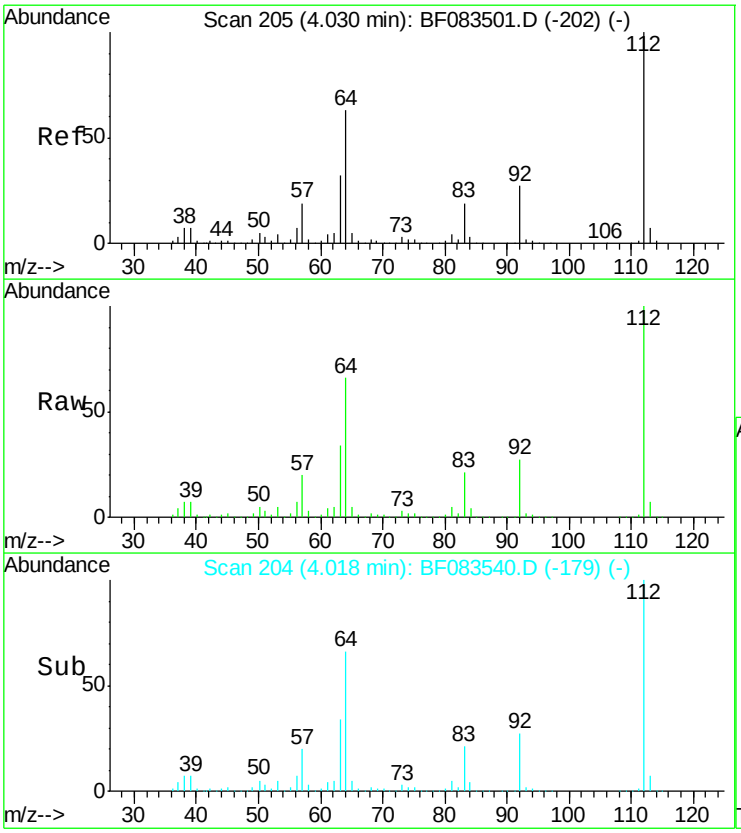
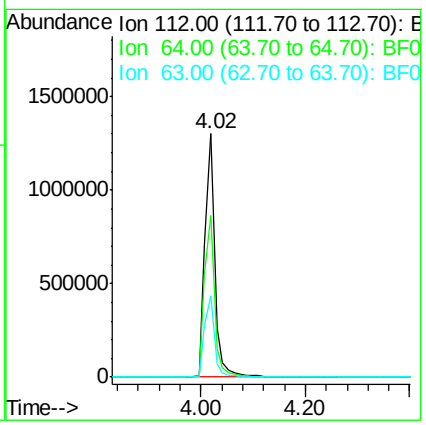
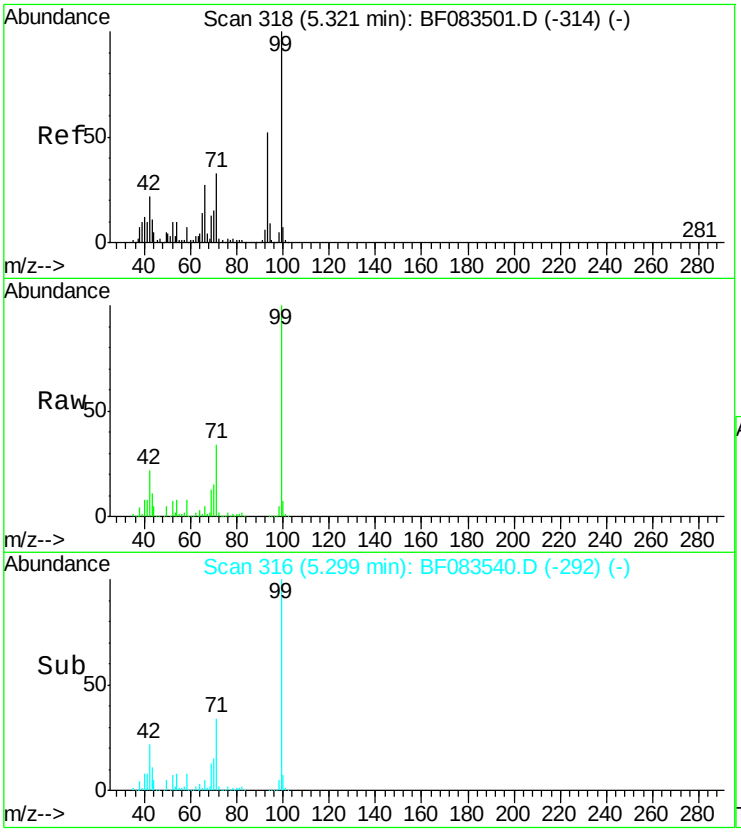


#5
2-Fluorophenol
Concen: 133.49 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:112 Resp: 1707368

Ion	Ratio	Lower	Upper
112	100		
64	66.4	50.5	75.7
63	33.5	25.8	38.6

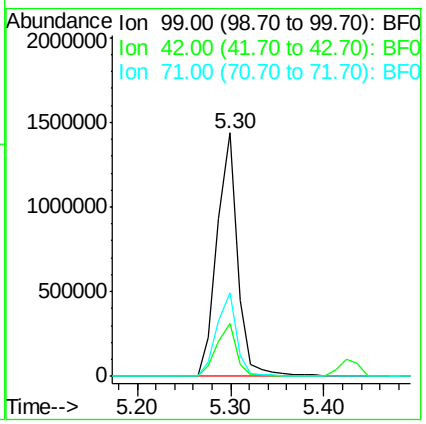




#7
Phenol-d6
Concen: 126.17 ng
RT: 5.30 min Scan# 316
Delta R.T. -0.02 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion: 99 Resp: 2223492

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.3	25.9
71	34.2	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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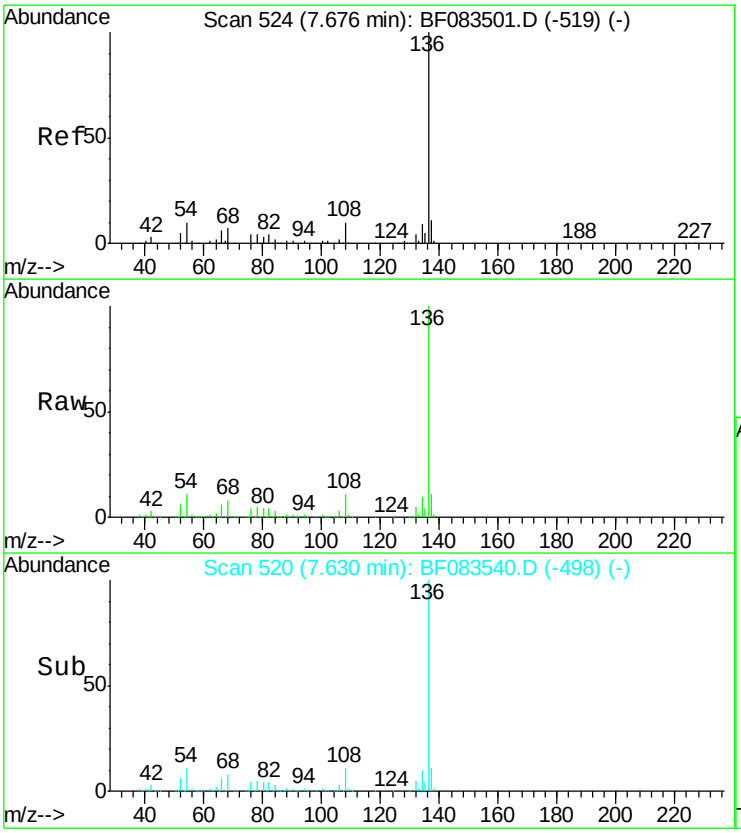
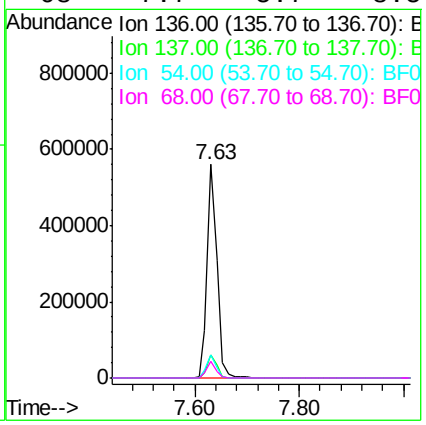
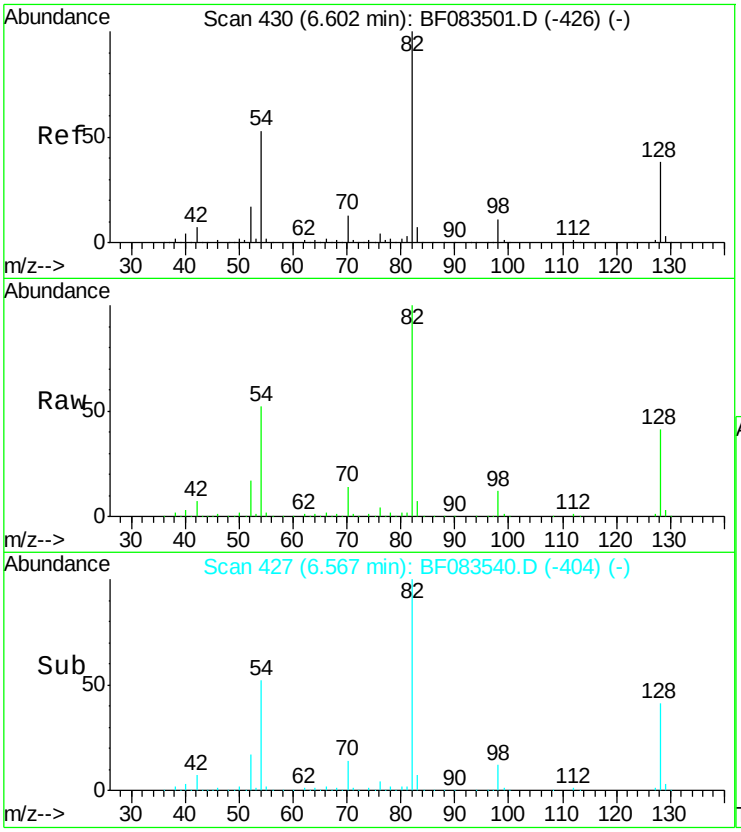


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:136 Resp: 730146

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.9	7.8	11.6
68	7.7	5.7	8.5

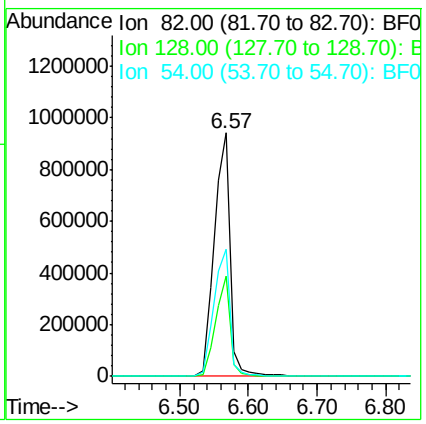




#23
Nitrobenzene-d5
Concen: 98.64 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion: 82 Resp: 1540816

Ion	Ratio	Lower	Upper
82	100		
128	41.0	30.7	46.1
54	52.3	42.5	63.7



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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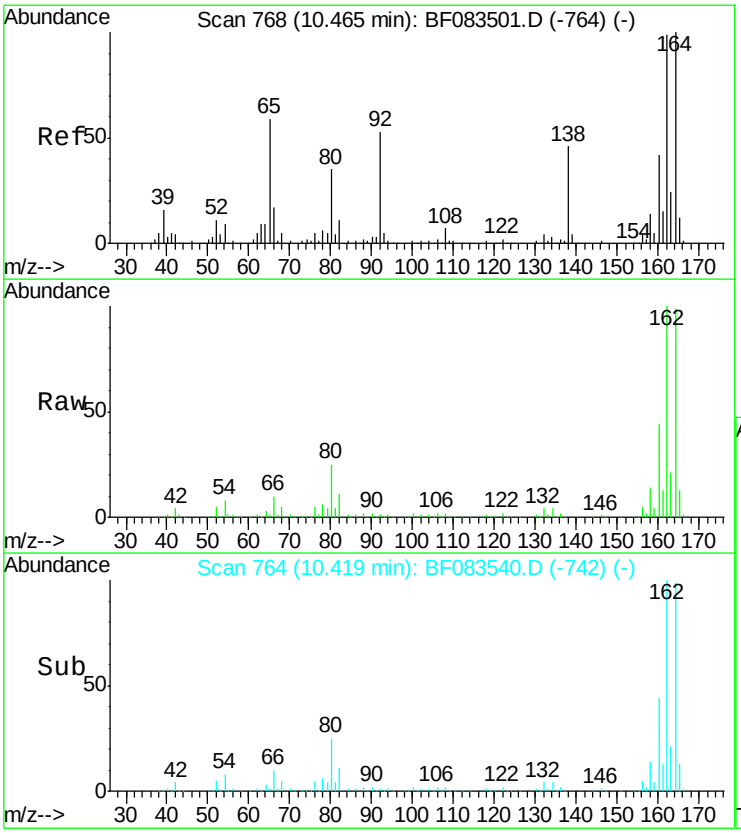
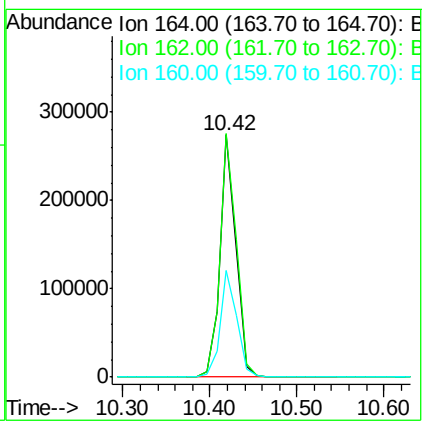
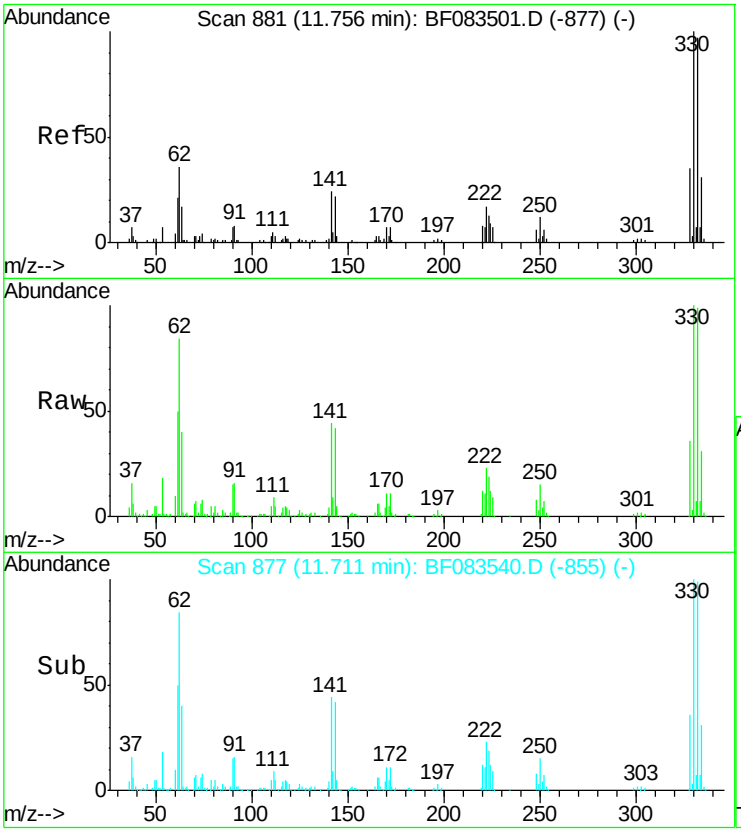


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:164 Resp: 353371

Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.8	118.2
160	43.9	33.4	50.2

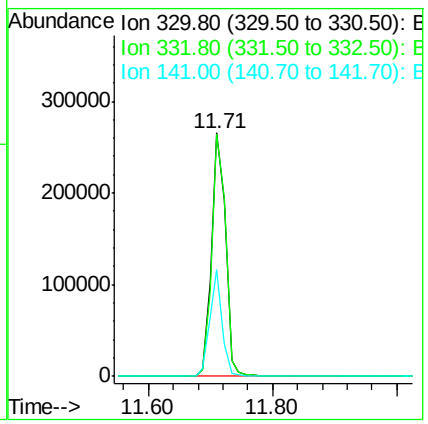




#41
2,4,6-Tribromophenol
Concen: 126.34 ng
RT: 11.71 min Scan# 877
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:330 Resp: 411817

Ion	Ratio	Lower	Upper
330	100		
332	98.3	0.0	0.0#
141	39.0	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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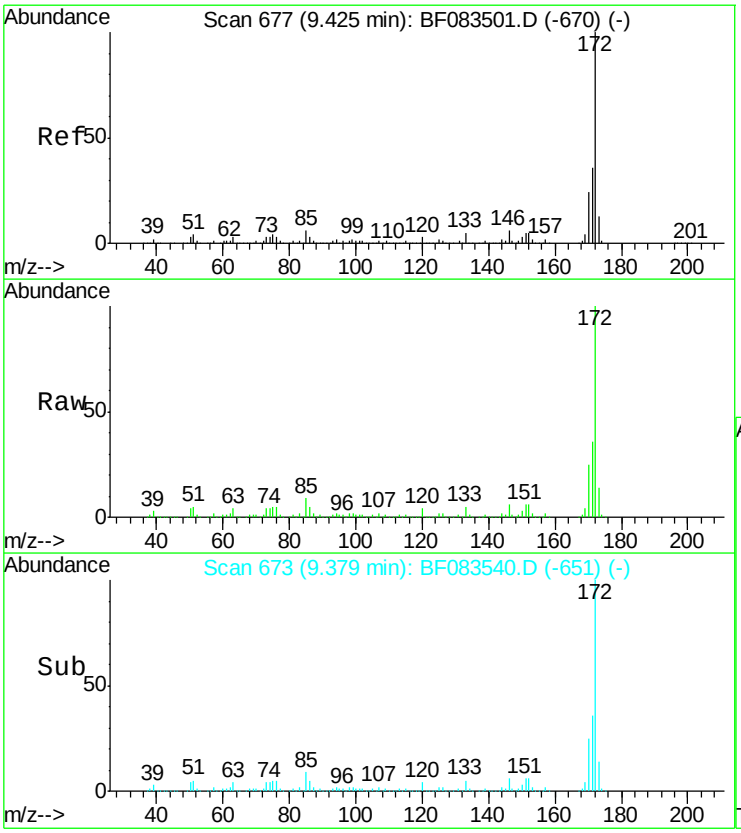
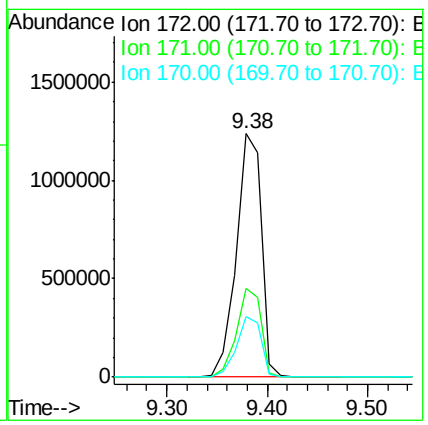
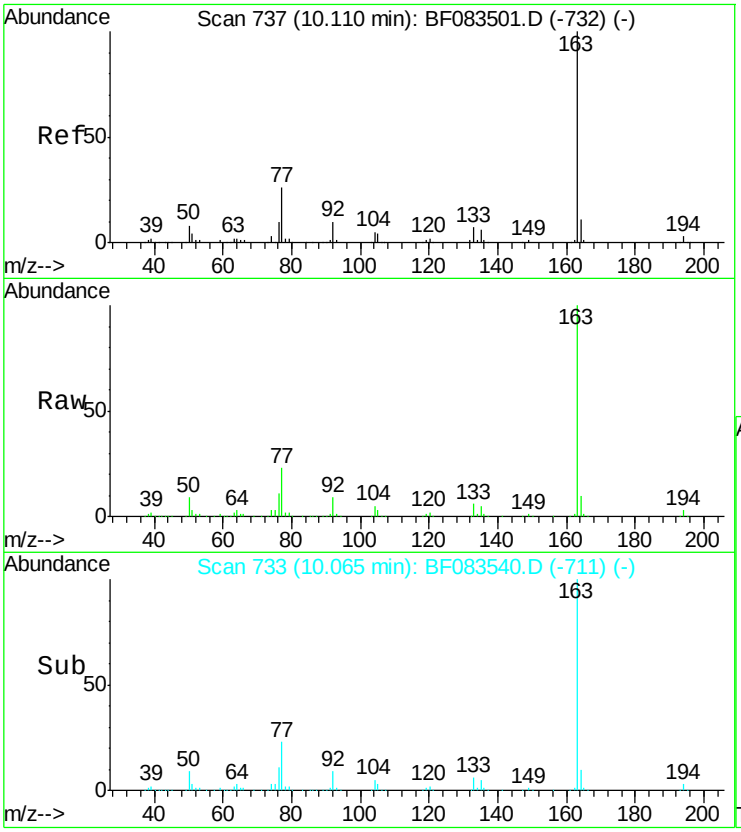


#44
2-Fluorobiphenyl
Concen: 81.92 ng
RT: 9.38 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:172 Resp: 2134198

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.9	19.4	29.0

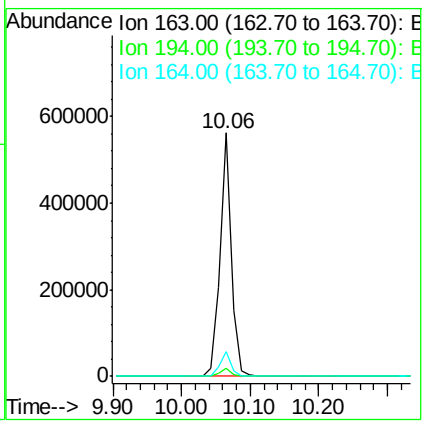




#49
Dimethylphthalate
Concen: 23.69 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:163 Resp: 658986

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.1	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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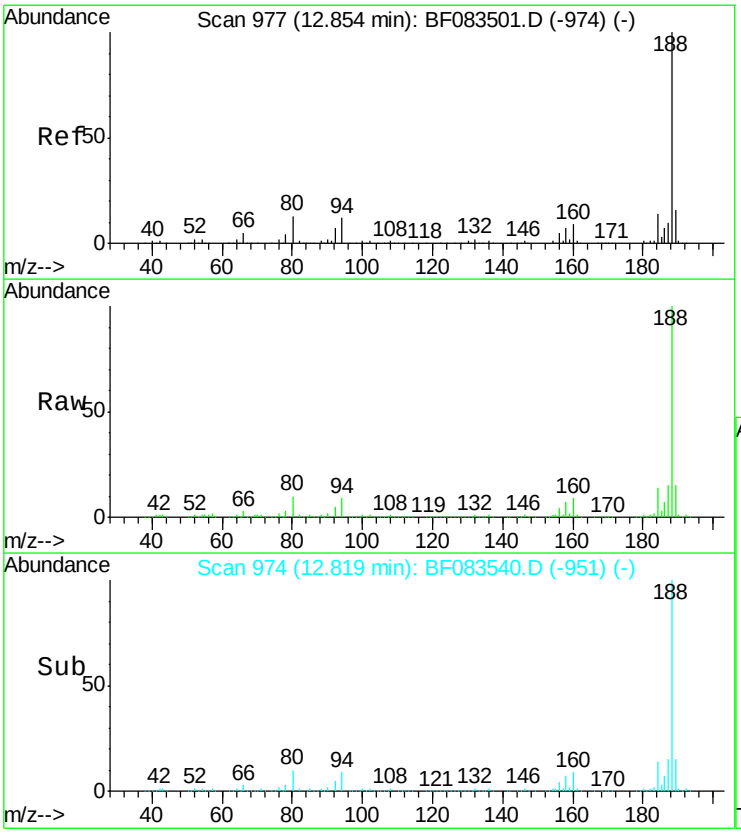
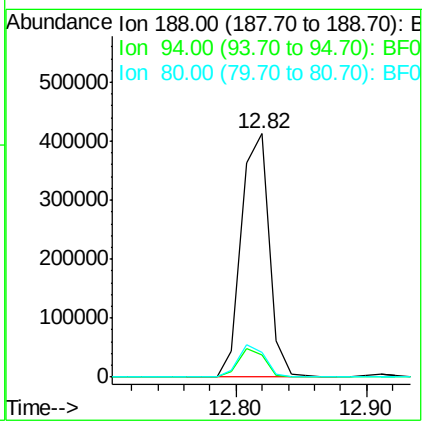
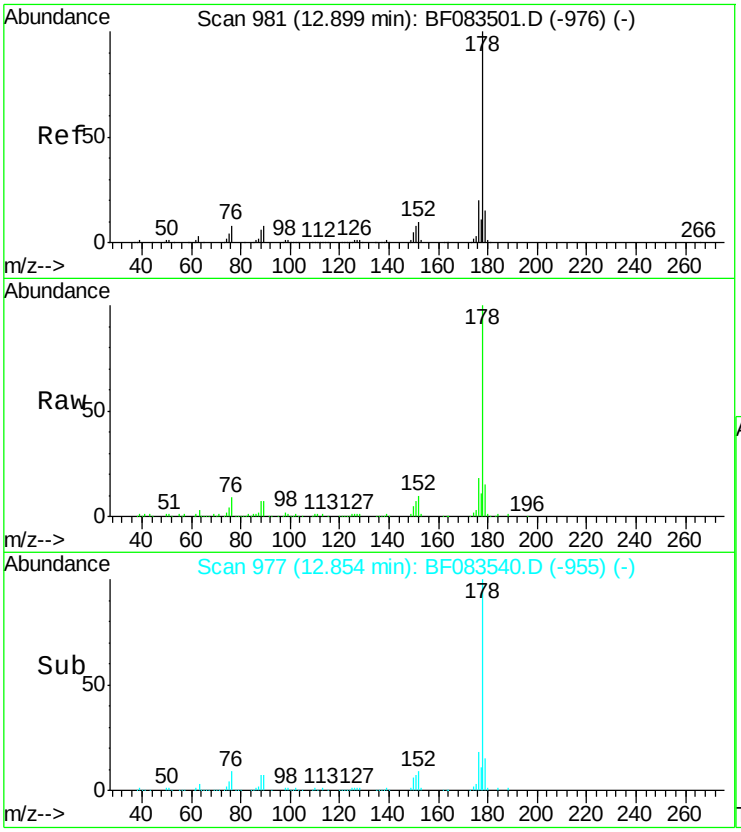


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:188 Resp: 611625

Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.4	14.2#
80	10.2	10.6	16.0#

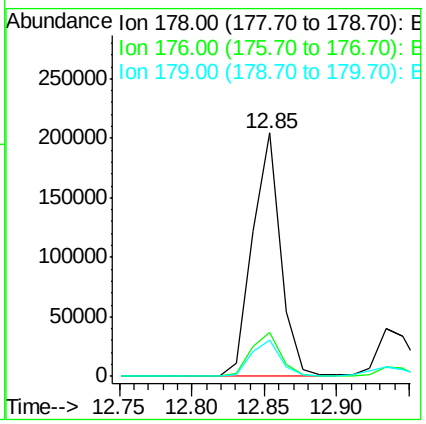




#70
Phenanthrene
Concen: 7.73 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:178 Resp: 275150

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	15.0	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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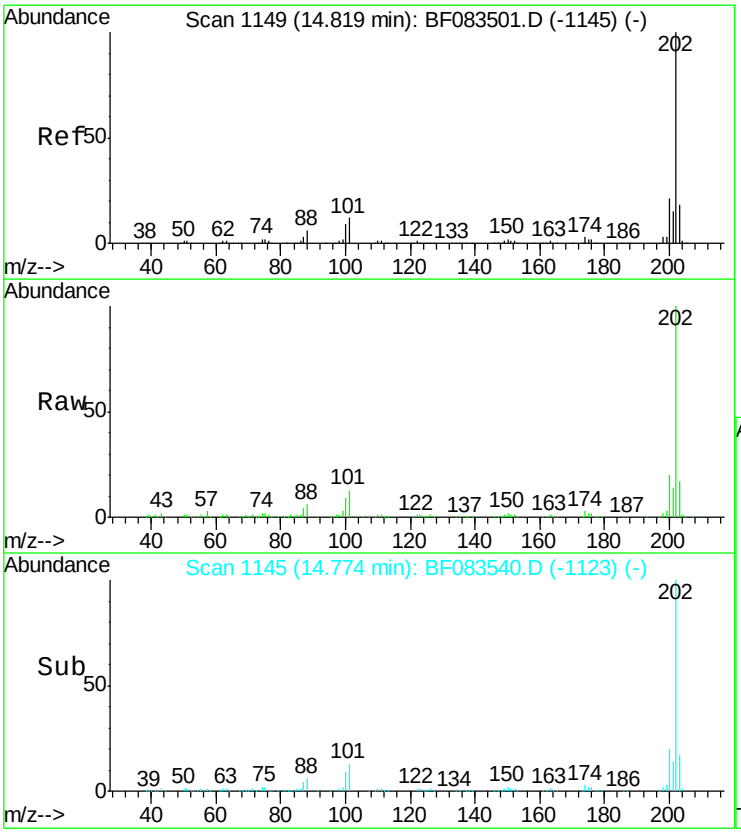
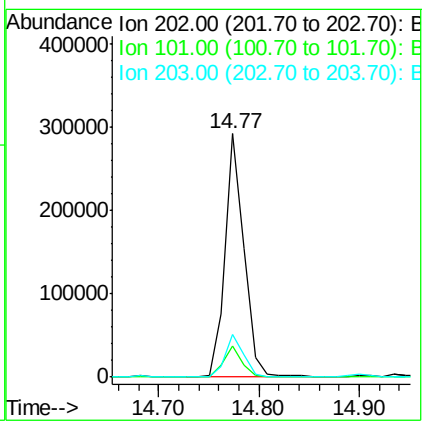
12/7/2015 6:33:30 PM

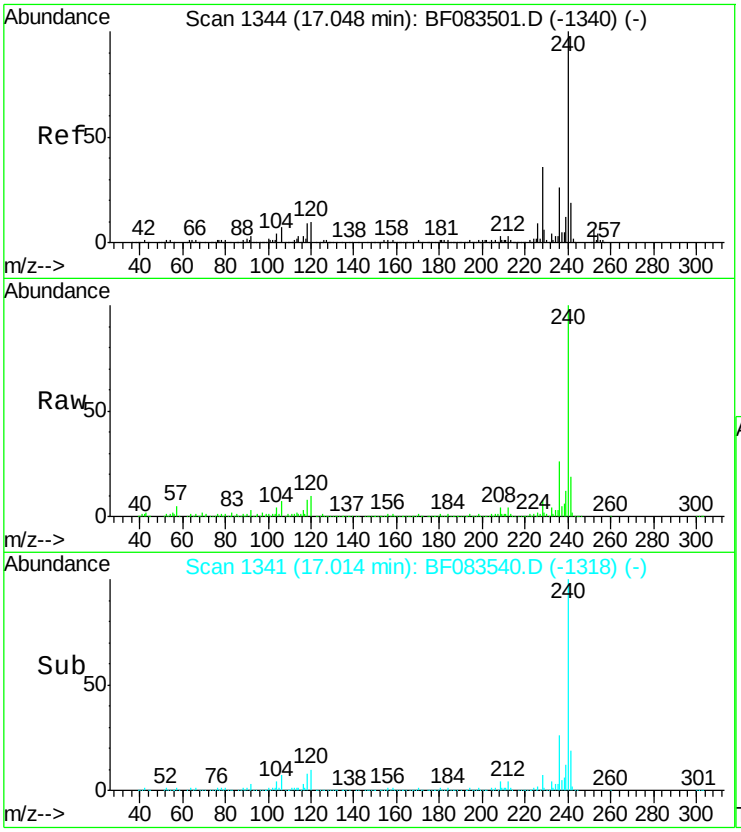


#74
Fluoranthene
Concen: 10.90 ng
RT: 14.77 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:202 Resp: 384596

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.5
203	17.4	0.0	37.6

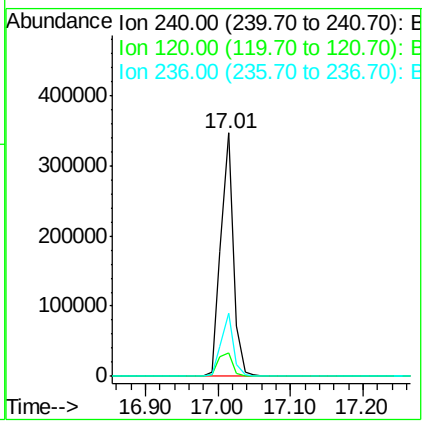




#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:240 Resp: 422644

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.1	12.1
236	25.8	20.8	31.2



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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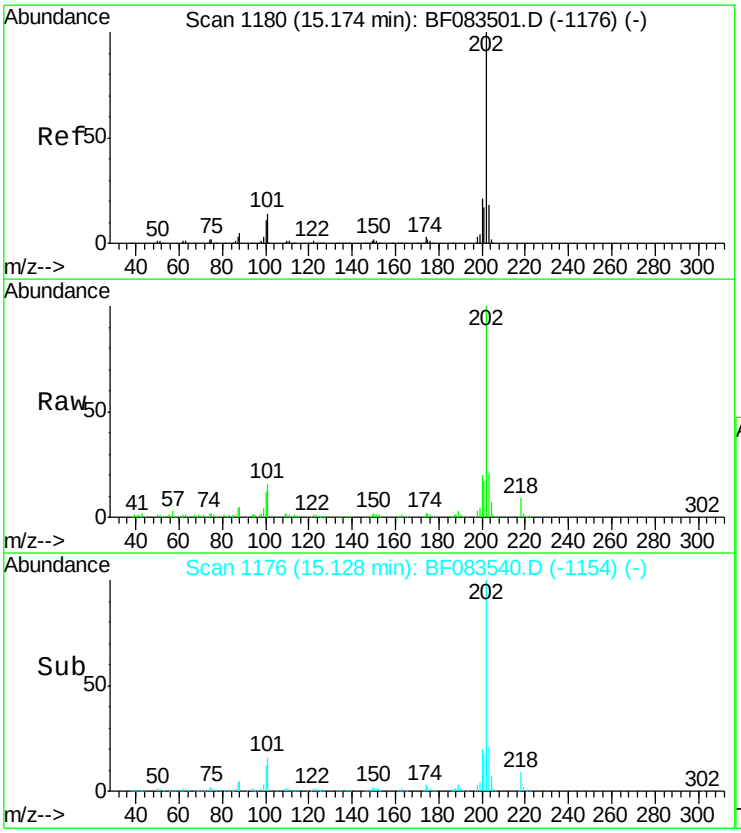
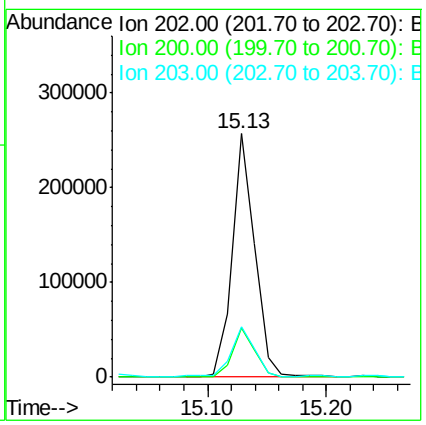
12/7/2015 6:33:30 PM

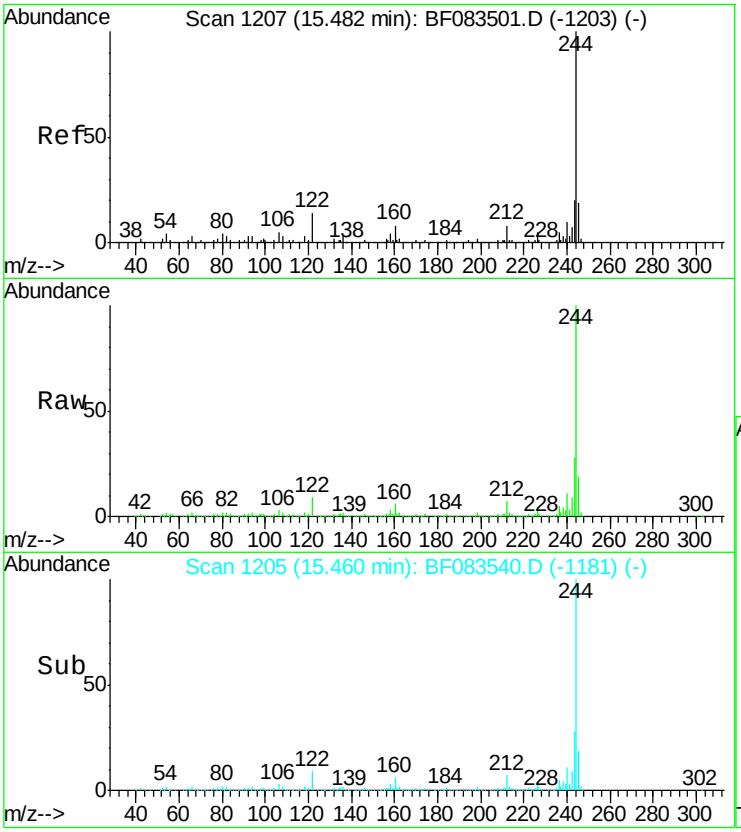


#77
Pyrene
Concen: 10.69 ng
RT: 15.13 min Scan# 1176
Delta R.T. -0.05 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:202 Resp: 337990

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	20.8	14.3	21.5

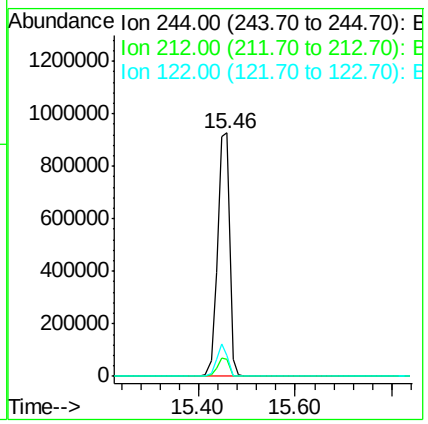




#78
Terphenyl-d14
Concen: 86.29 ng
RT: 15.46 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

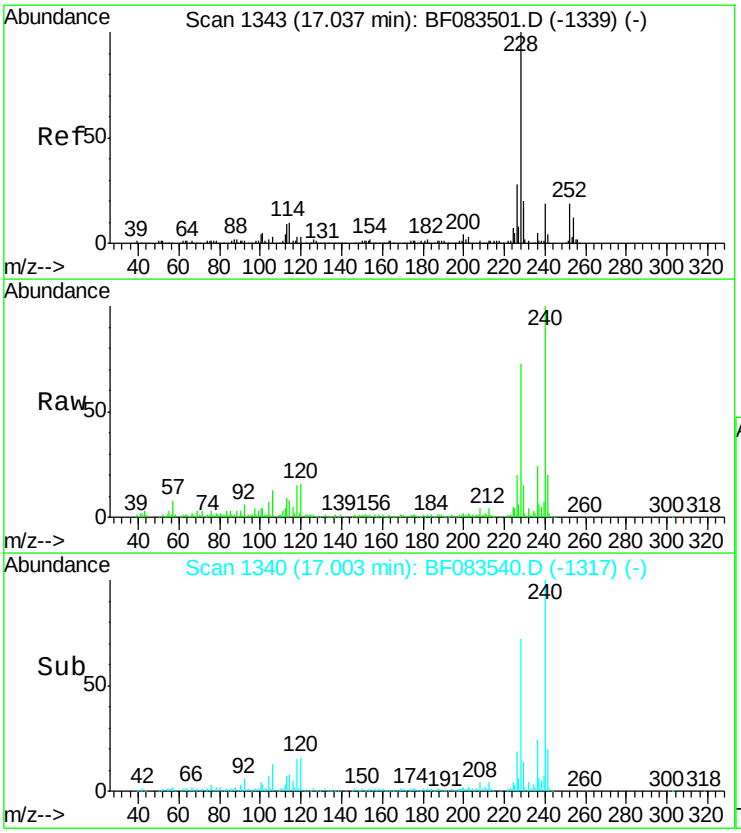
Tgt Ion:244 Resp: 1638957

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	8.7	11.0	16.6#



Instrument :
BNA_F
ClientSampleId :
S16-15.5

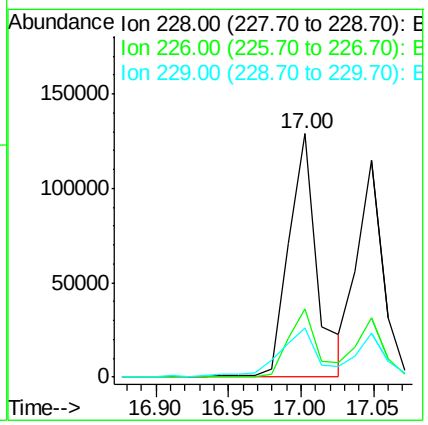
Manual Integrations APPROVED
Mmdadoda
12/7/2015 6:33:30 PM

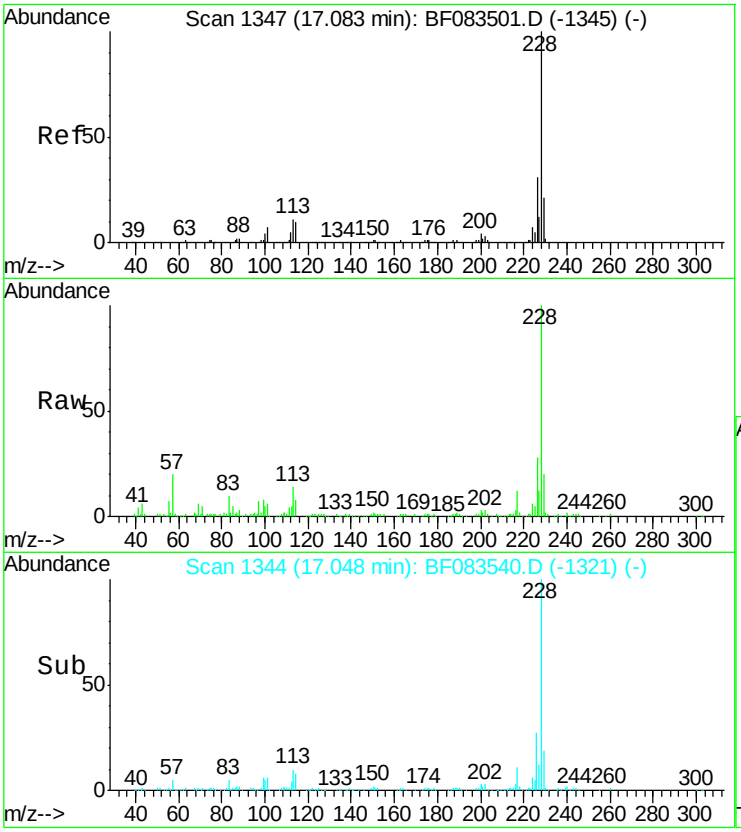


#80
Benzo(a)anthracene
Concen: 7.10 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:228 Resp: 175478

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.3	33.5
229	20.2	15.7	23.5

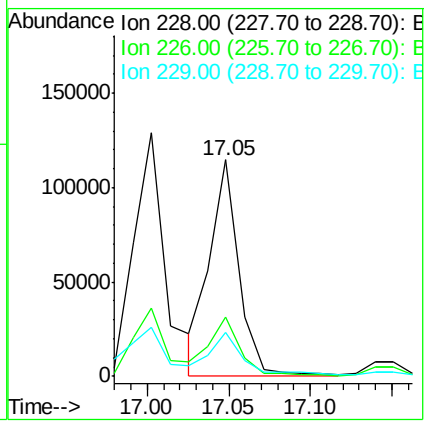




#82
Chrysene
Concen: 5.83 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:228 Resp: 143574

Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.7	37.1
229	20.4	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
S16-15.5

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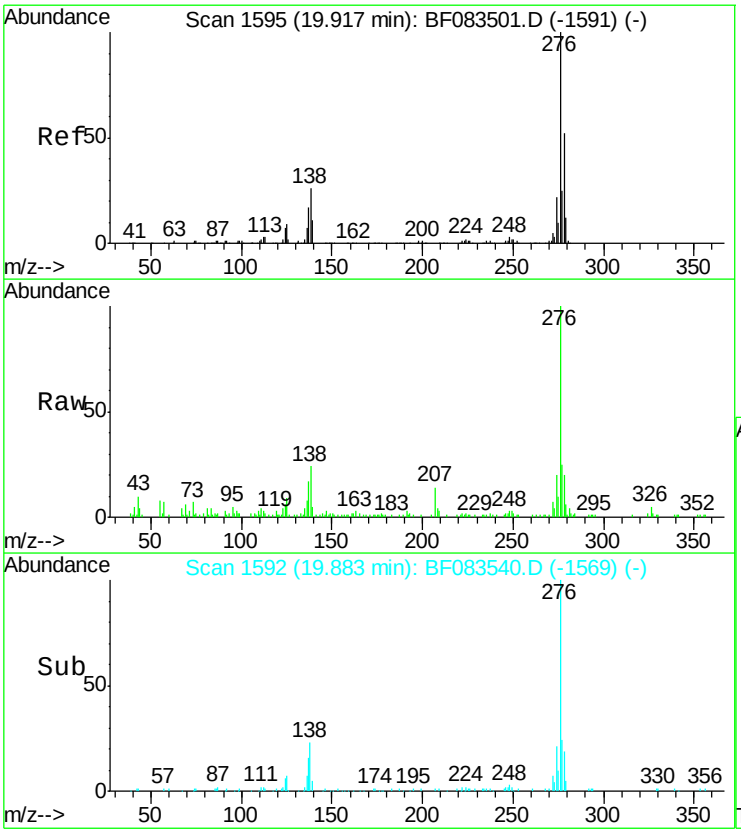
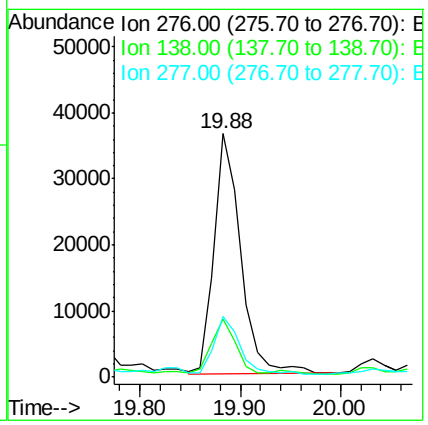
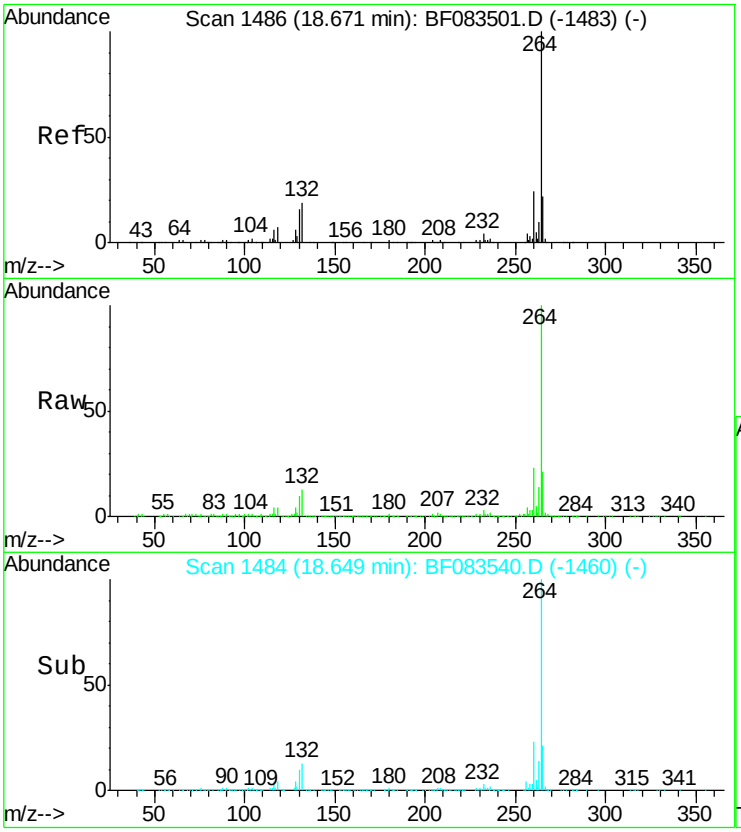


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.17 ng
RT: 19.88 min Scan# 1592
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:276 Resp: 66875

Ion	Ratio	Lower	Upper
276	100		
138	21.1	0.0	0.0#
277	24.0	0.0	0.0#

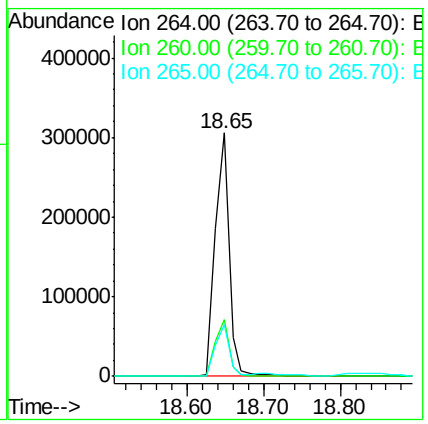




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:264 Resp: 387151

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.0	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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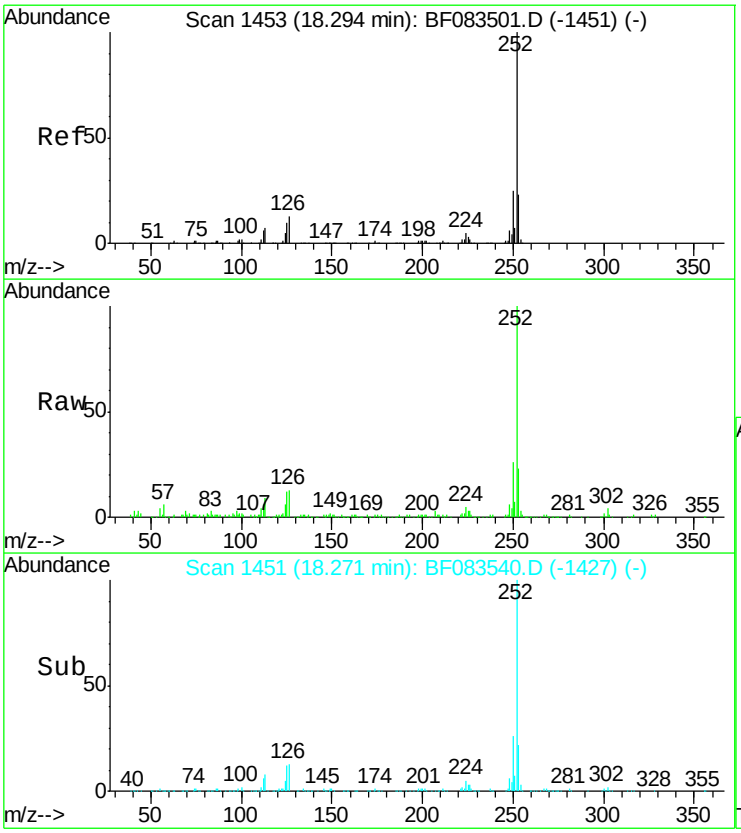
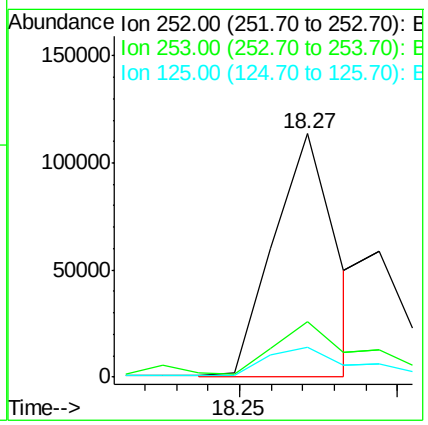
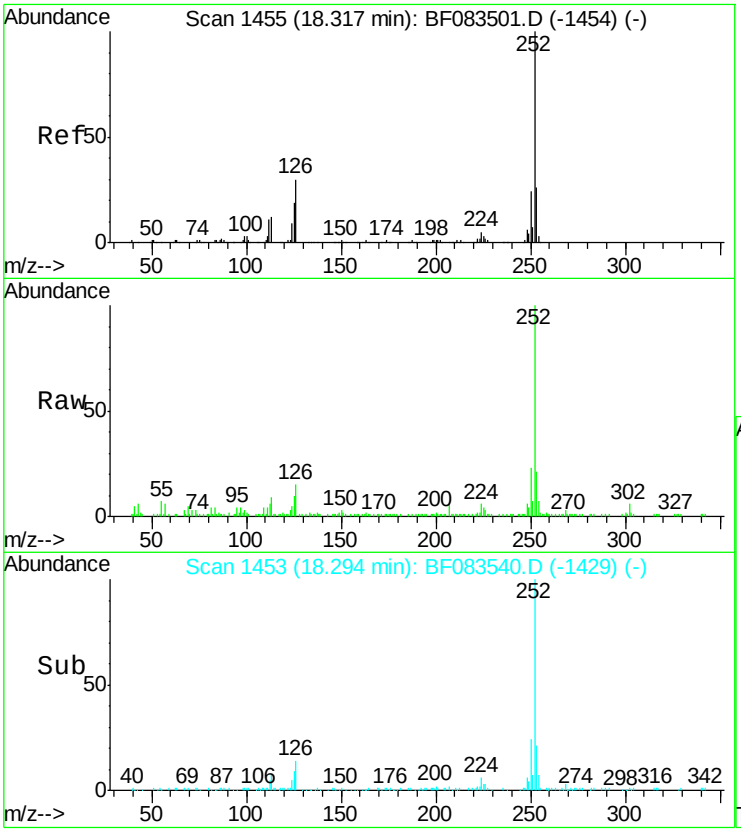


#87
Benzo(b)fluoranthene
Concen: 7.11 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:252 Resp: 154657

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.4	8.2	12.4#

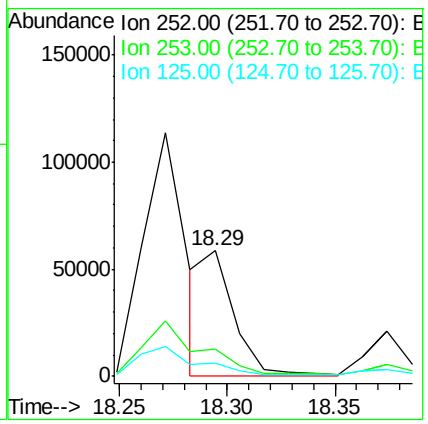




#88
Benzo(k)fluoranthene
Concen: 2.66 ng m
RT: 18.29 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:252 Resp: 59177

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.6	27.8
125	10.5	11.5	17.3#



Instrument :
BNA_F
ClientSampleId :
S16-15.5

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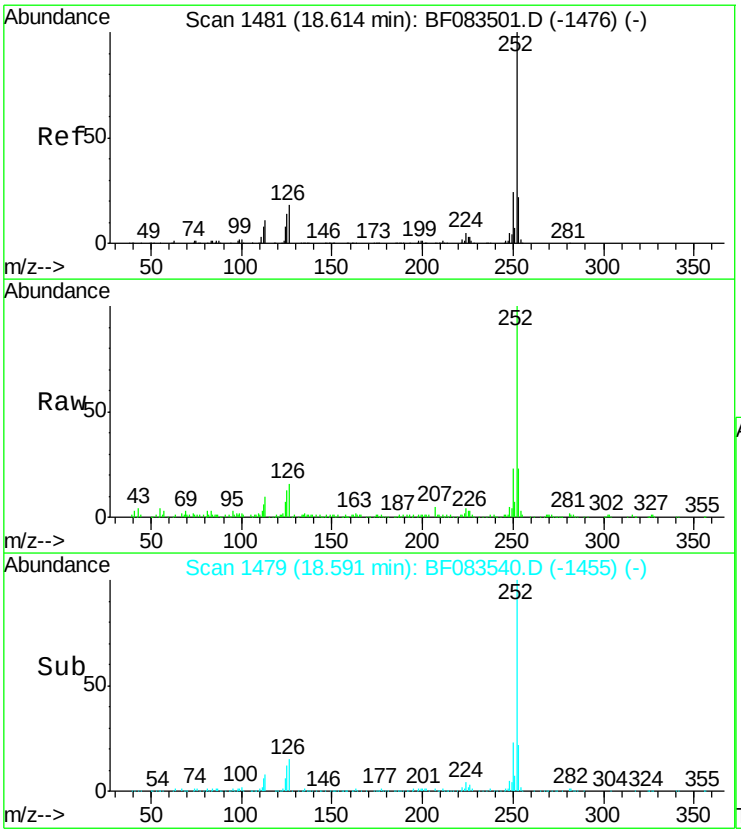
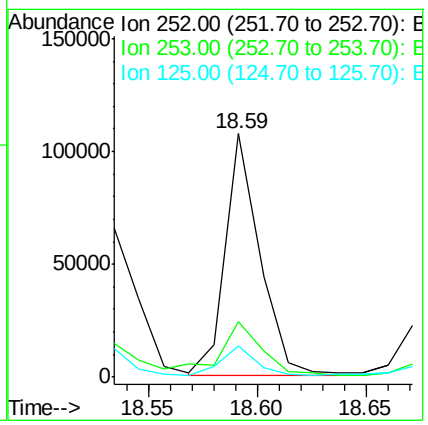
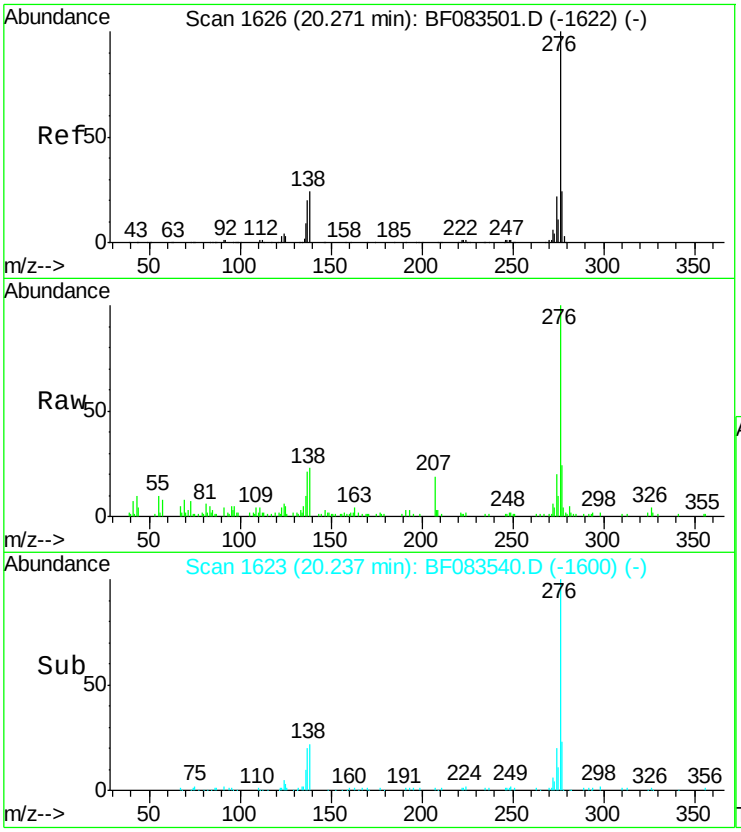


#89
Benzo(a)pyrene
Concen: 5.63 ng
RT: 18.59 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:252 Resp: 119026

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	12.6	11.0	16.6

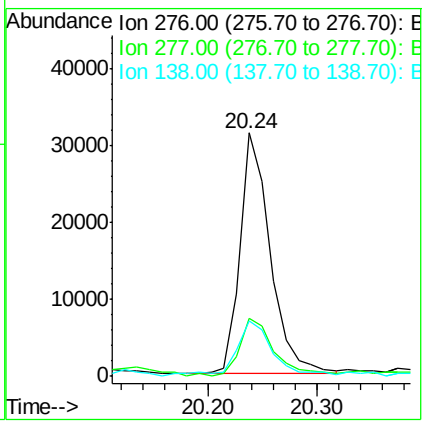




#91
Benzo(g,h,i)perylene
Concen: 2.96 ng
RT: 20.24 min Scan# 1623
Delta R.T. -0.03 min
Lab File: BF083540.D
Acq: 7 Dec 2015 3:17

Tgt Ion:276 Resp: 60649

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.9	19.5	29.3



Instrument :
BNA_F
ClientSampleId :
S16-15.5

Manual Integrations APPROVED
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