Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
Data File : BF083688.D
Acq On : 10 Dec 2015 21:01
Operator : UM/IZ
Sample : G4582-14DL 40X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
MMdadoda
12/11/2015 6:01:38 PM

Quant Time: Dec 11 03:22:10 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.62	152	120560	20.00	ng		-0.08
21) Naphthalene-d8	7.50	136	487467	20.00	ng		-0.10
38) Acenaphthene-d10	10.29	164	233750	20.00	ng		-0.09
63) Phenanthrene-d10	12.69	188	412809	20.00	ng		-0.09
75) Chrysene-d12	16.91	240	299822	20.00	ng		-0.08
86) Perylene-d12	18.57	264	261526	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	4.13	112	5341	0.67	ng		0.16
7) Phenol-d6	5.37	99	25393m	2.39	ng		0.09
23) Nitrobenzene-d5	6.62	82	13529	1.30	ng		0.09
41) 2,4,6-Tribromophenol	11.63	330	4189	2.01	ng		-0.06
44) 2-Fluorobiphenyl	9.26	172	32738	1.97	ng		-0.08
78) Terphenyl-d14	15.32	244	30985	2.43	ng		-0.09
Target Compounds							Qvalue
31) Naphthalene	7.54	128	1591097	61.63	ng		99
37) 2-Methylnaphthalene	8.65	142	200887	12.39	ng		99
45) 1,1'-Biphenyl	9.41	154	74375	3.66	ng		99
48) Acenaphthylene	10.08	152	106014	4.19	ng		96
51) Acenaphthene	10.34	154	270034	18.65	ng		99
57) Fluorene	11.20	166	137980	7.87	ng		98
70) Phenanthrene	12.73	178	821606	34.64	ng		99
71) Anthracene	12.82	178	259204	10.55	ng		97
74) Fluoranthene	14.66	202	620622	25.58	ng		100
77) Pyrene	15.01	202	909063	42.11	ng		99
80) Benzo(a)anthracene	16.90	228	272189m	15.51	ng		
82) Chrysene	16.96	228	289811m	16.47	ng		
85) Indeno(1,2,3-cd)pyrene	19.80	276	199553	16.81	ng	#	100
87) Benzo(b)fluoranthene	18.19	252	289601m	19.45	ng		
88) Benzo(k)fluoranthene	18.21	252	130986m	7.98	ng		
89) Benzo(a)pyrene	18.52	252	300063m	20.65	ng		
91) Benzo(g,h,i)perylene	20.15	276	244382	22.56	ng		96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
Data File : BF083688.D
Acq On : 10 Dec 2015 21:01
Operator : UM/IZ
Sample : G4582-14DL 40X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 11 03:22:10 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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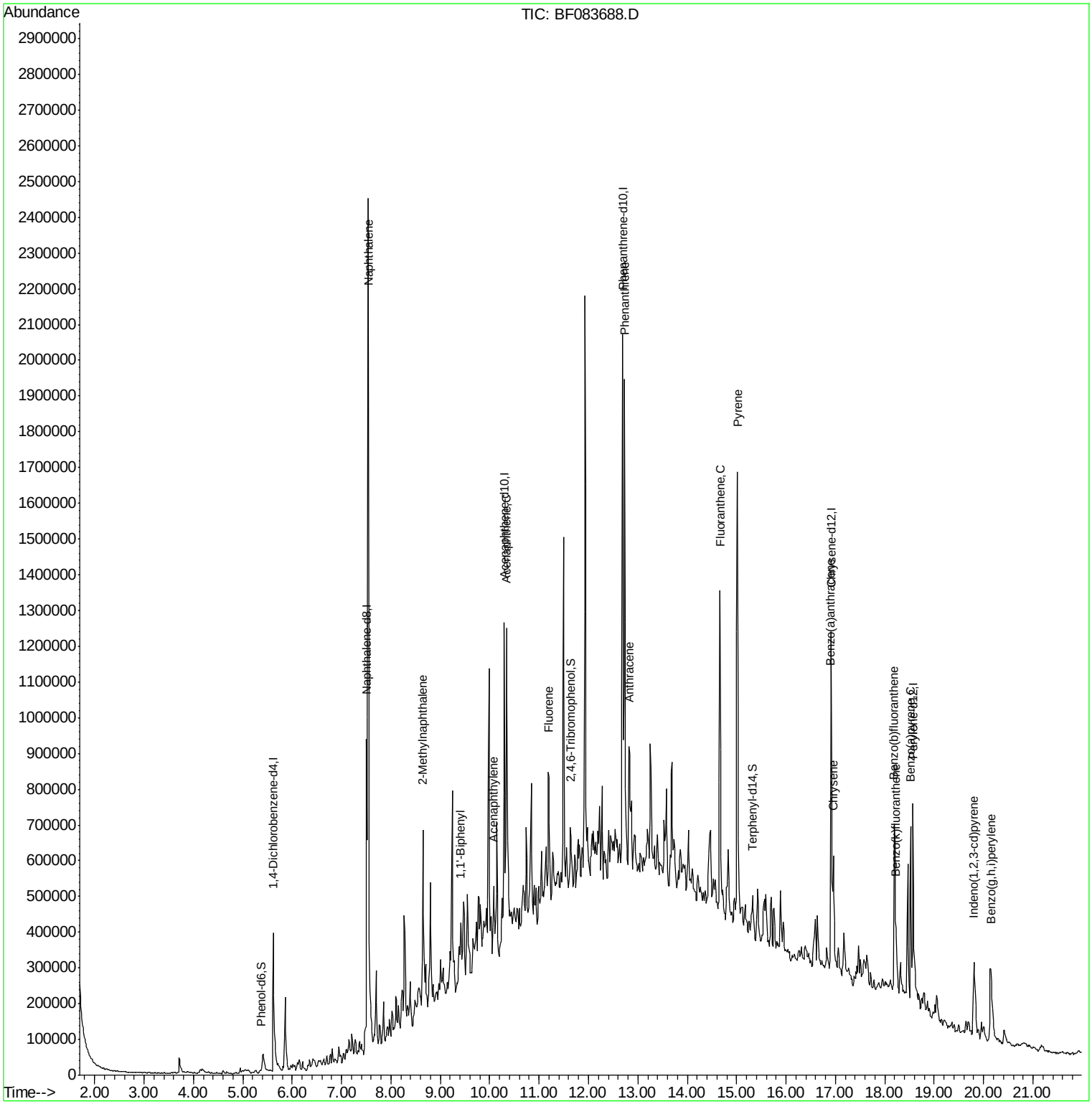
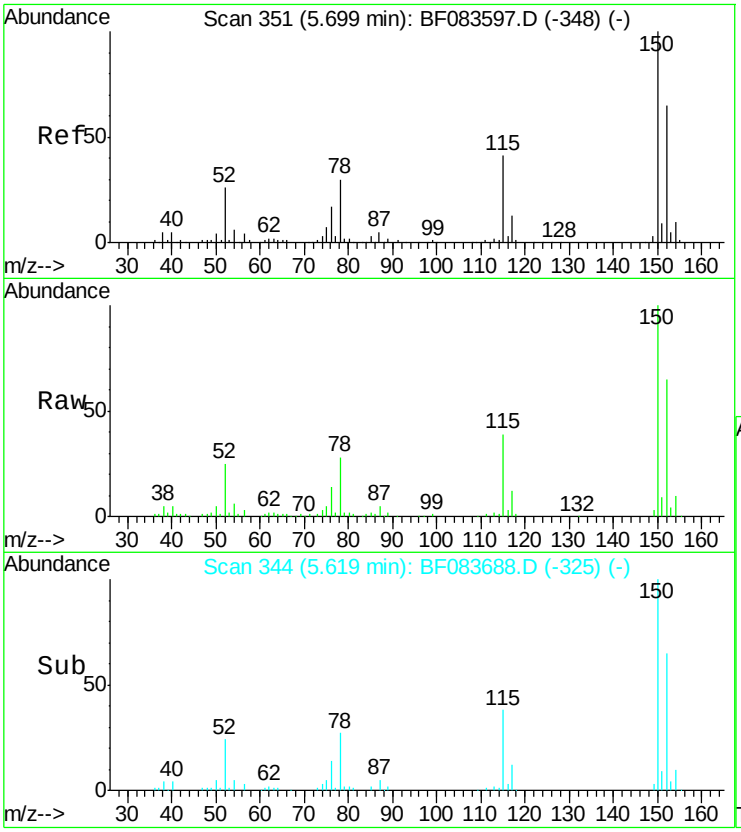
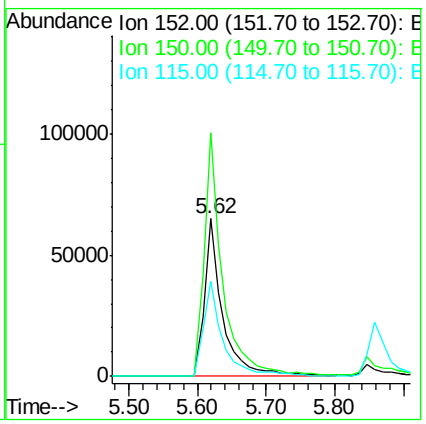




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.62 min Scan# 344
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:152 Resp: 120560

Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.5	189.7
115	60.2	52.3	78.5



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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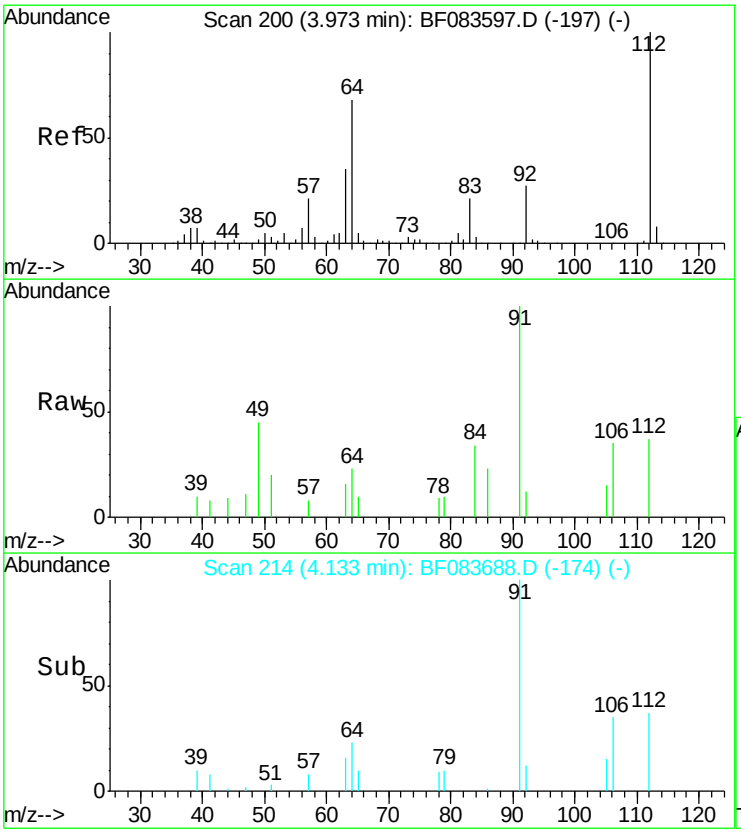
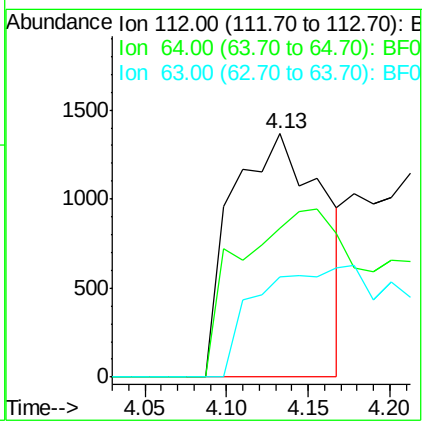
12/11/2015 6:01:38 PM

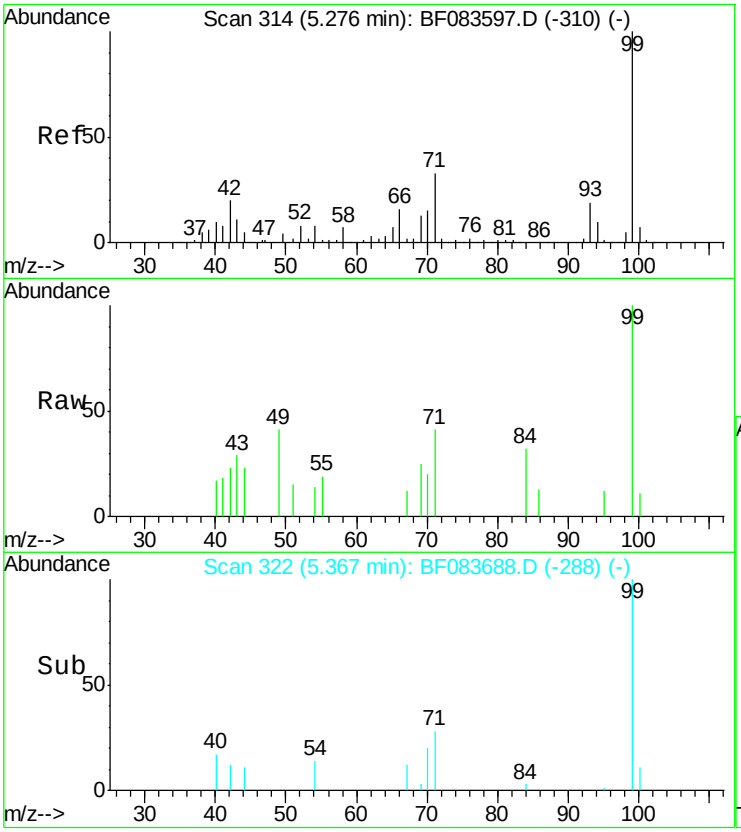


#5
2-Fluorophenol
Concen: 0.67 ng
RT: 4.13 min Scan# 214
Delta R.T. 0.16 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:112 Resp: 5341

Ion	Ratio	Lower	Upper
112	100		
64	61.4	50.5	75.7
63	41.4	25.8	38.6#

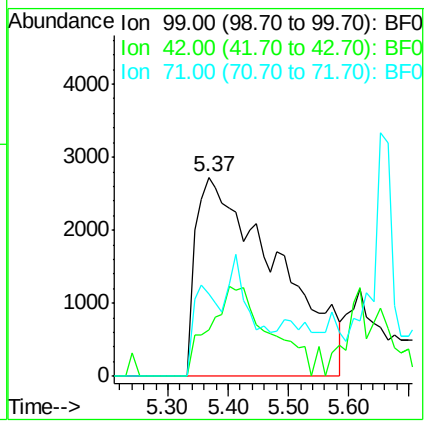




#7
Phenol-d6
Concen: 2.39 ng m
RT: 5.37 min Scan# 322
Delta R.T. 0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion: 99 Resp: 25393

Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.3	25.9
71	41.5	26.6	40.0#



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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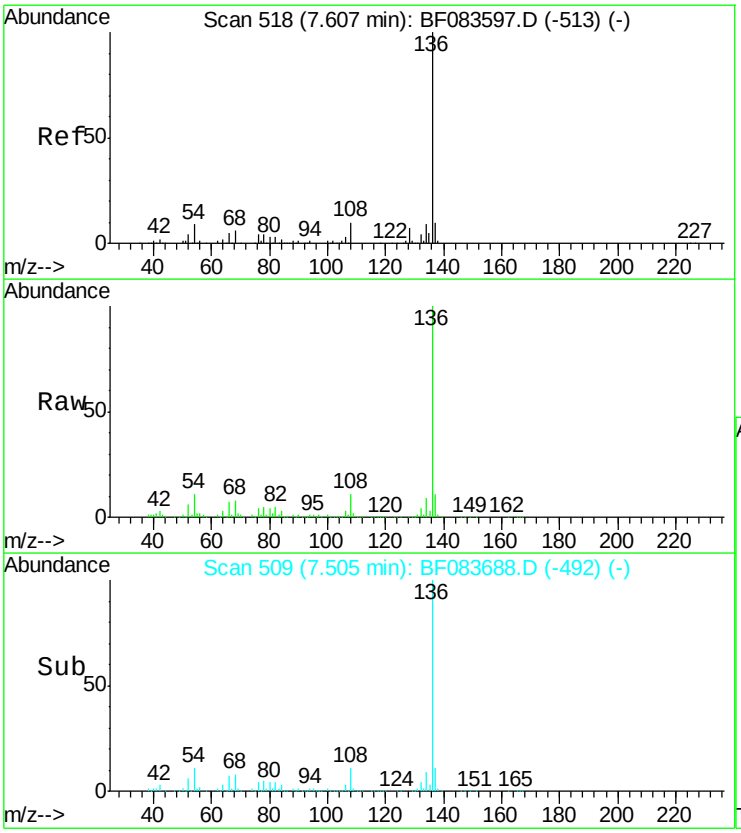
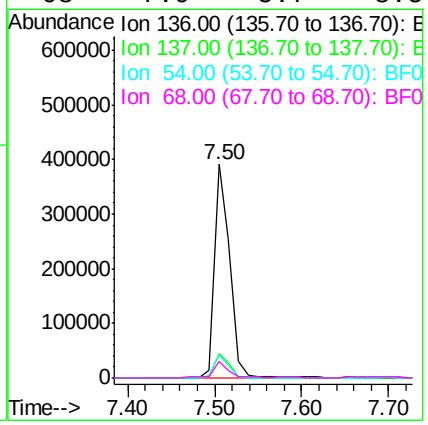
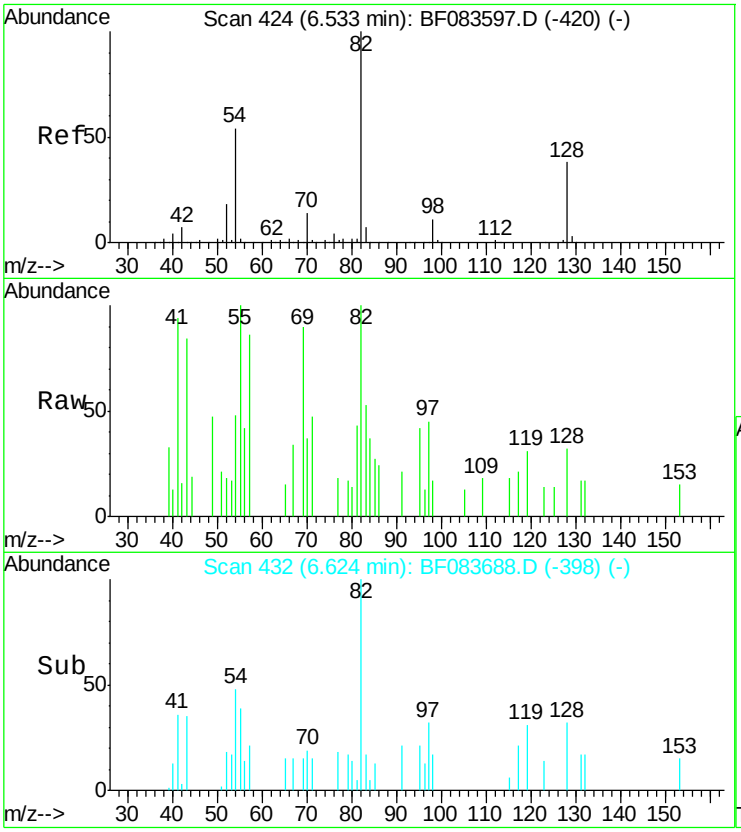


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.50 min Scan# 509
Delta R.T. -0.10 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:136 Resp: 487467

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	11.1	7.8	11.6
68	7.9	5.7	8.5

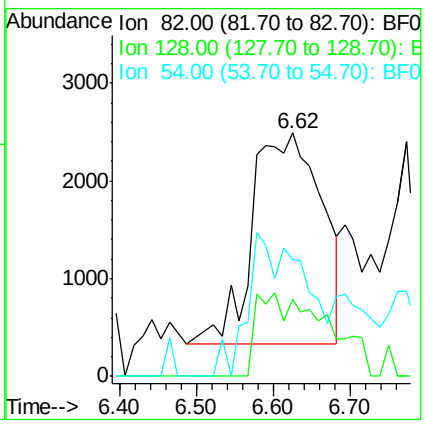




#23
Nitrobenzene-d5
Concen: 1.30 ng
RT: 6.62 min Scan# 432
Delta R.T. 0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion: 82 Resp: 13529

Ion	Ratio	Lower	Upper
82	100		
128	31.8	30.7	46.1
54	48.2	42.5	63.7



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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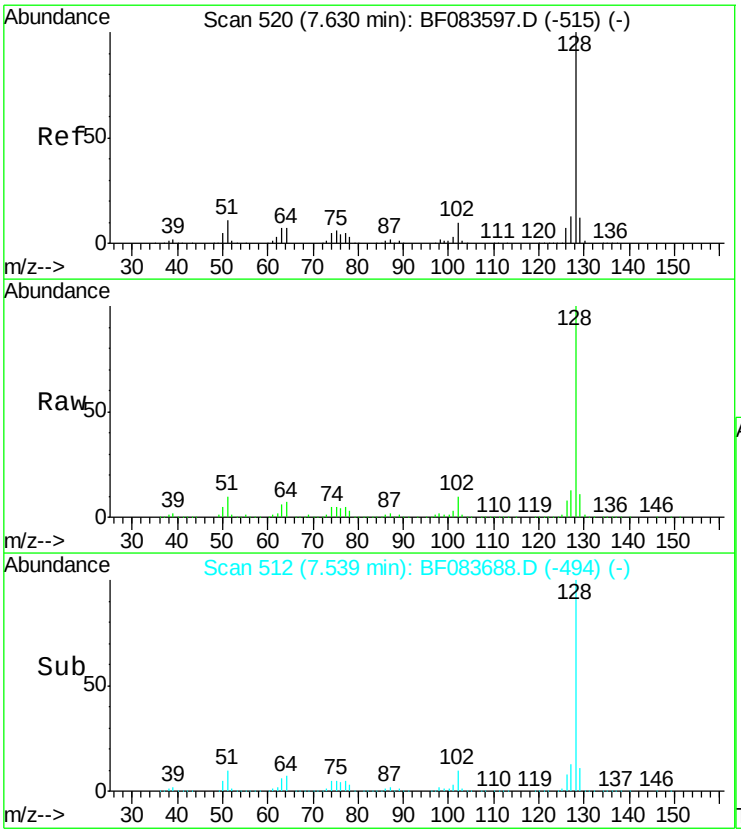
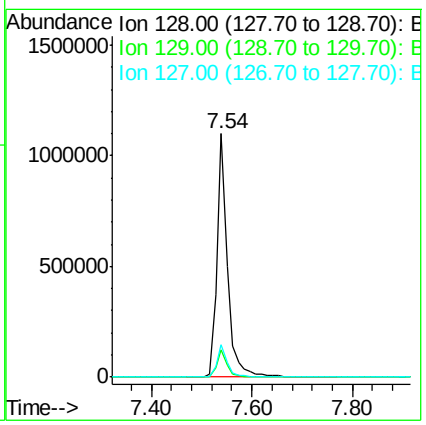
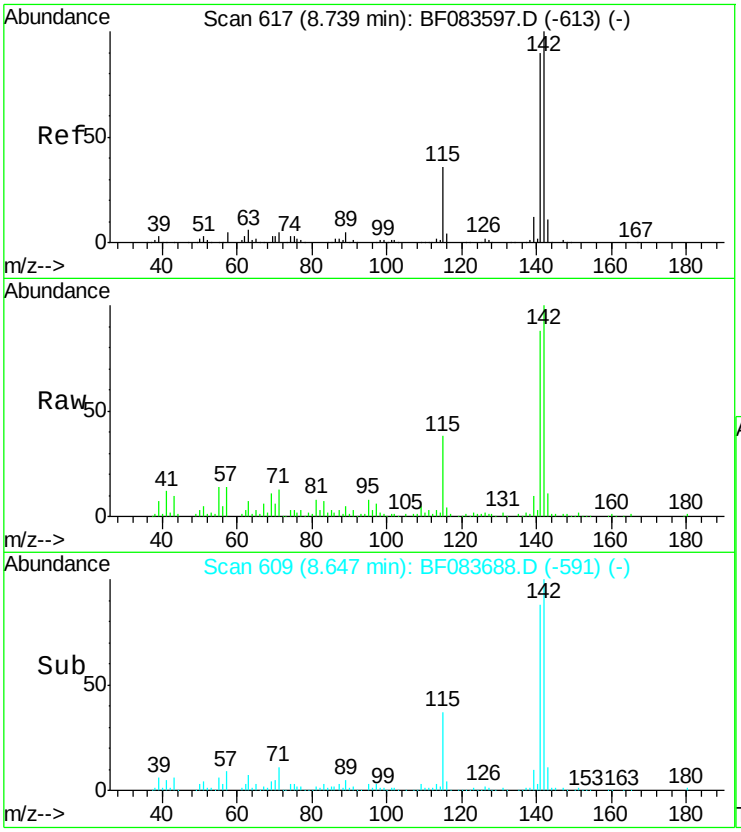


#31
Naphthalene
Concen: 61.63 ng
RT: 7.54 min Scan# 512
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:128 Resp: 1591097

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.5	10.6	16.0

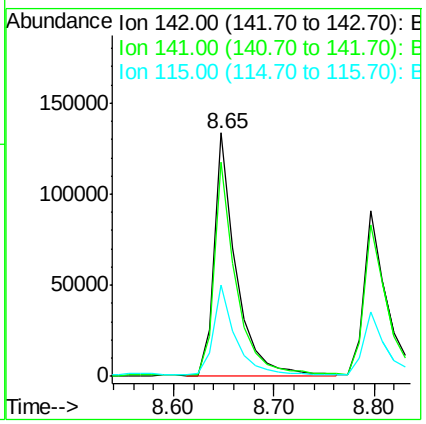




#37
2-Methylnaphthalene
Concen: 12.39 ng
RT: 8.65 min Scan# 609
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:142 Resp: 200887

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.3	105.5
115	37.5	29.2	43.8



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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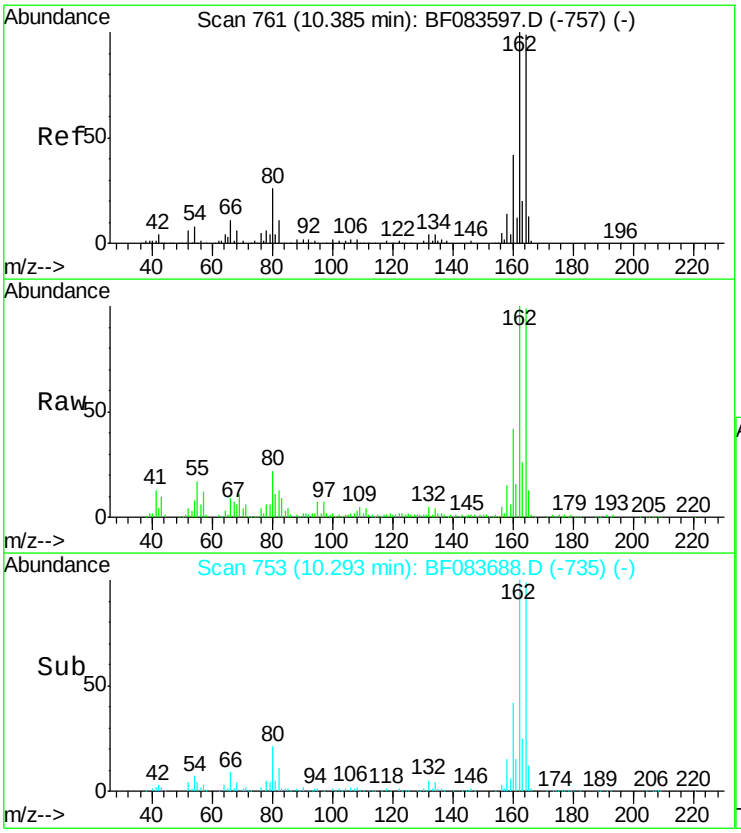
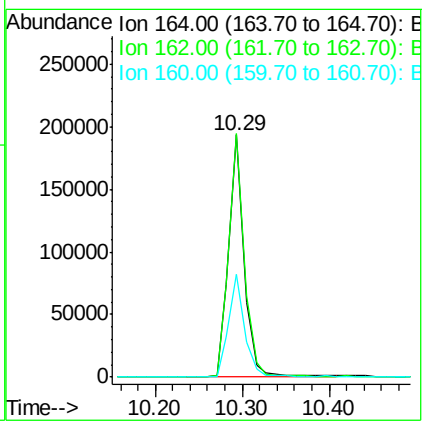
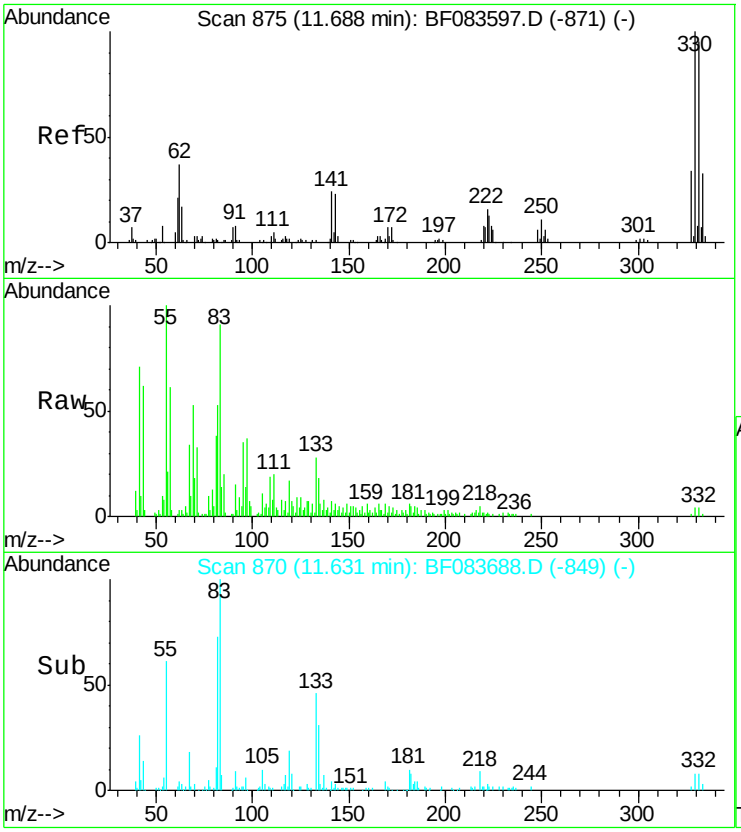


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:164 Resp: 233750

Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.8	118.2
160	42.4	33.4	50.2





#41
2,4,6-Tribromophenol
Concen: 2.01 ng
RT: 11.63 min Scan# 870
Delta R.T. -0.06 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:330 Resp: 4189

Ion	Ratio	Lower	Upper
330	100		
332	101.0	0.0	0.0#
141	0.0	0.0	0.0

Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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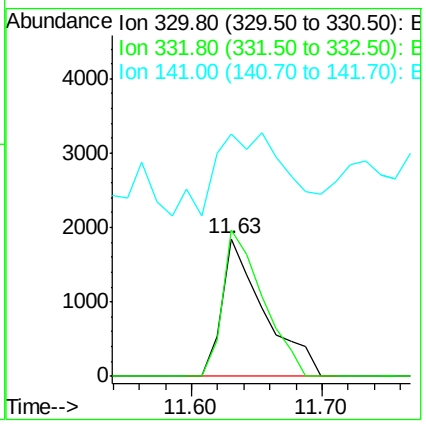
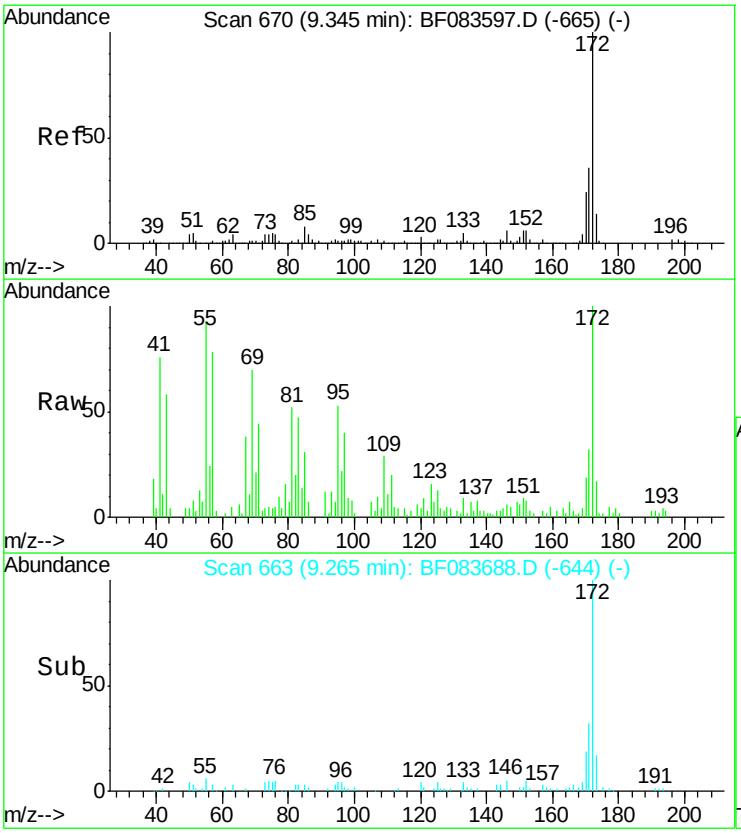
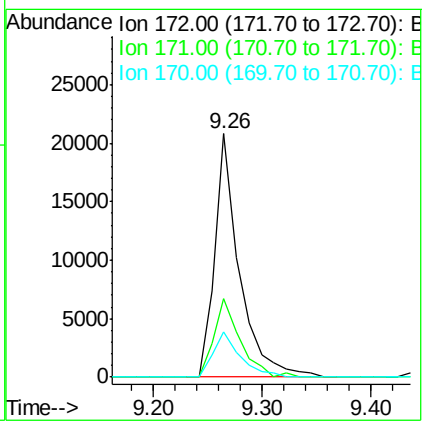


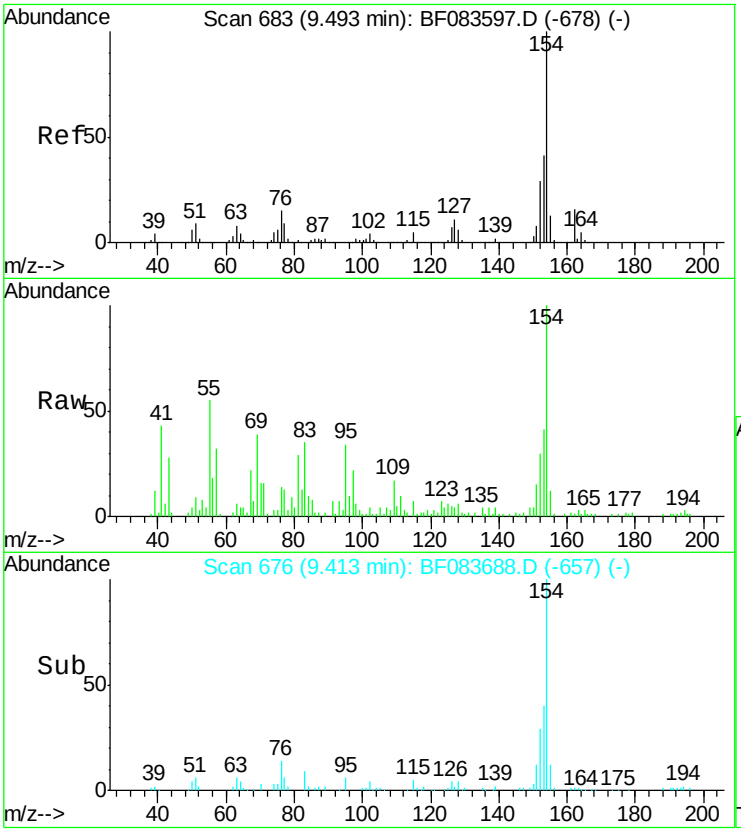


#44
2-Fluorobiphenyl
Concen: 1.97 ng
RT: 9.26 min Scan# 663
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:172 Resp: 32738

Ion	Ratio	Lower	Upper
172	100		
171	32.3	28.6	42.8
170	18.8	19.4	29.0#

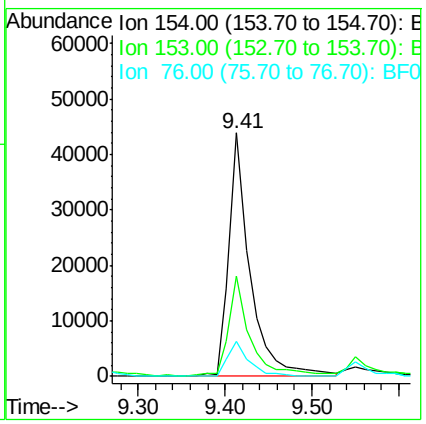




#45
1,1'-Biphenyl
Concen: 3.66 ng
RT: 9.41 min Scan# 676
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:154 Resp: 74375

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.2	60.2
76	14.4	0.0	34.8



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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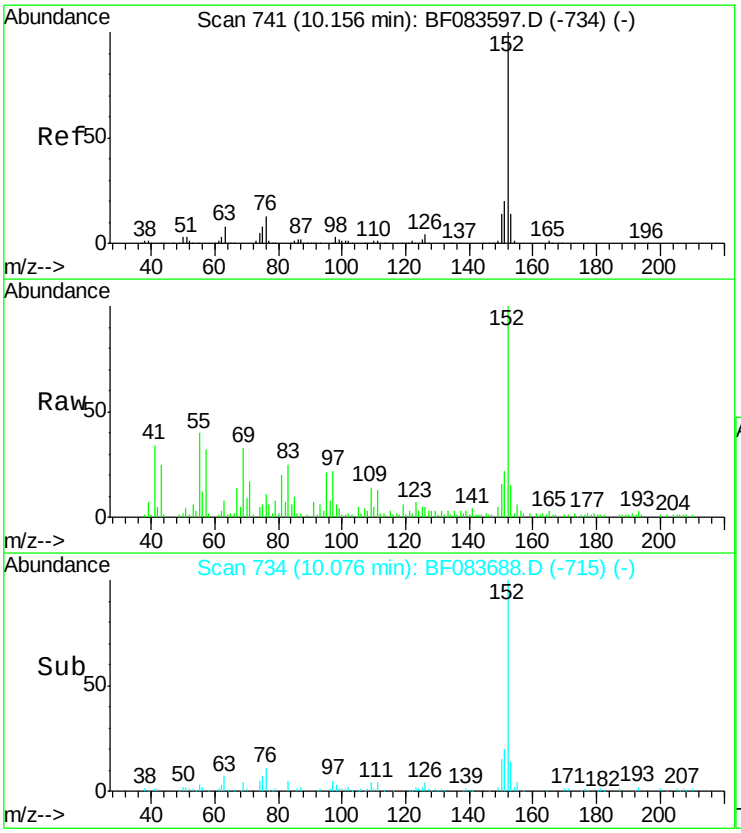
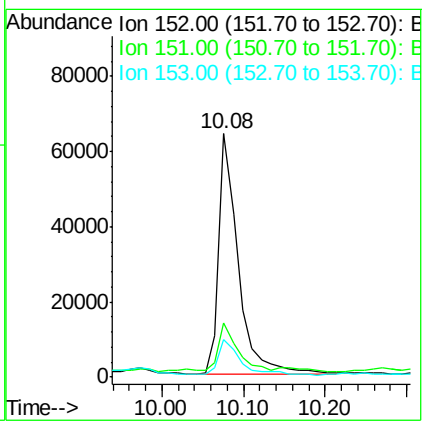
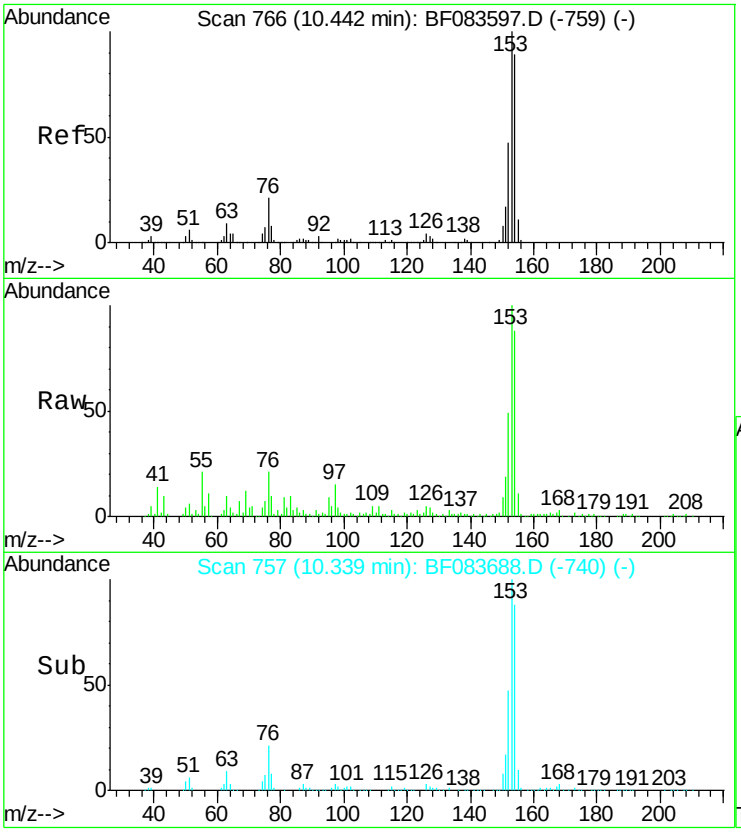


#48
Acenaphthylene
Concen: 4.19 ng
RT: 10.08 min Scan# 734
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:152 Resp: 106014

Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.3	24.5
153	15.4	10.8	16.2

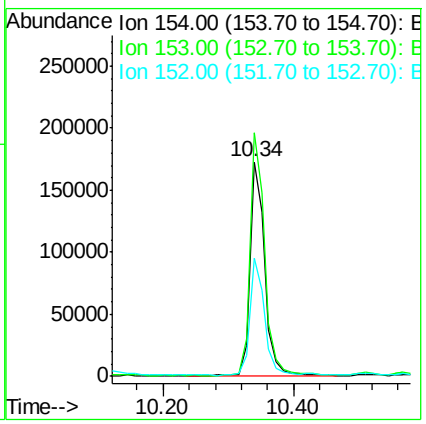




#51
Acenaphthene
Concen: 18.65 ng
RT: 10.34 min Scan# 757
Delta R.T. -0.10 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:154 Resp: 270034

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.4	137.0
152	55.1	43.4	65.2



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

Manual Integrations APPROVED
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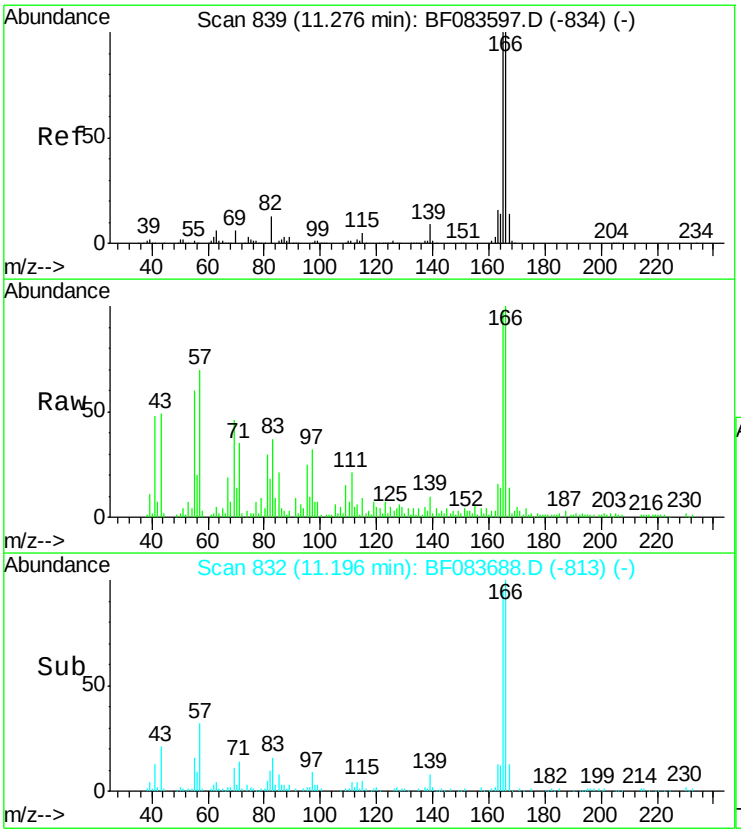
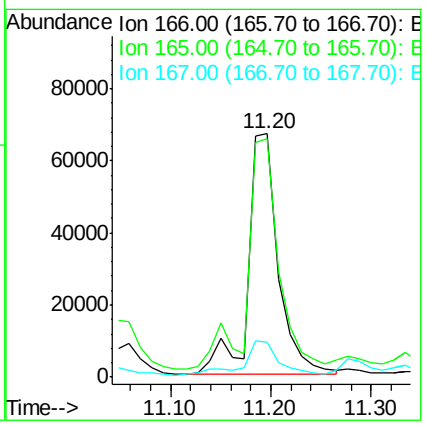
12/11/2015 6:01:38 PM

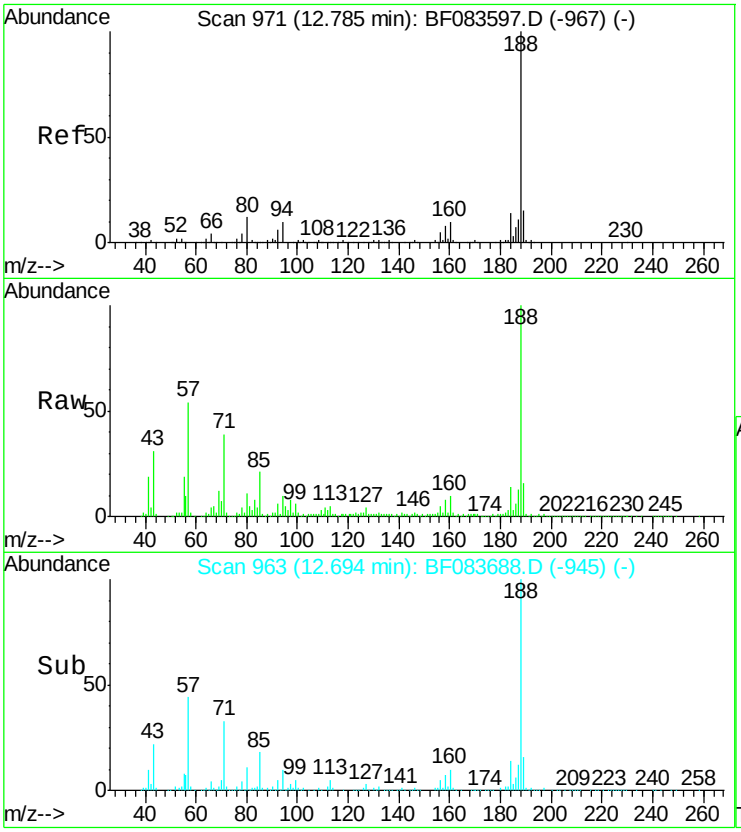


#57
Fluorene
Concen: 7.87 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:166 Resp: 137980

Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.0	120.0
167	14.3	10.6	16.0

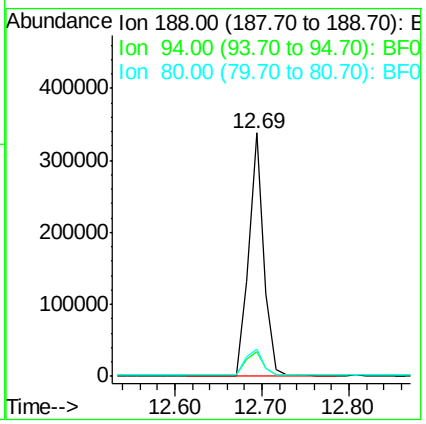




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.69 min Scan# 963
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

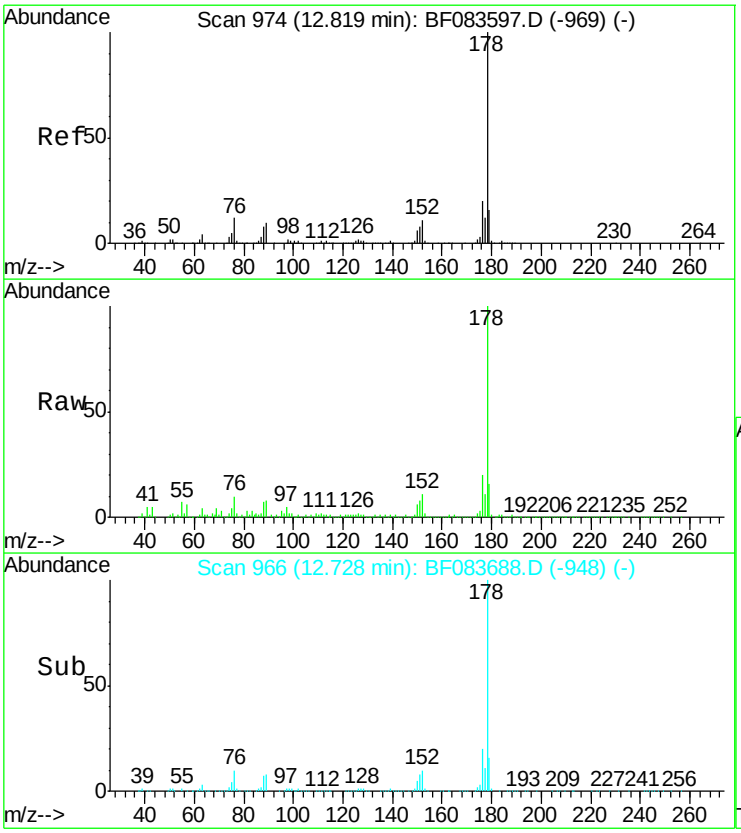
Tgt Ion:188 Resp: 412809

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	11.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

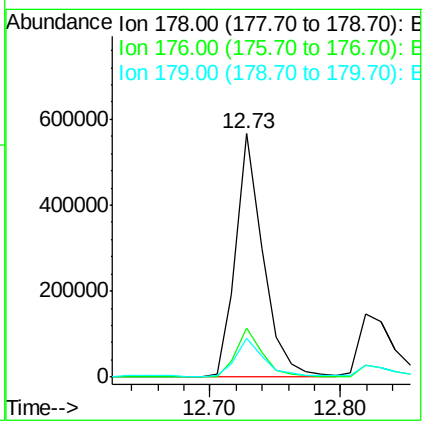
Manual Integrations APPROVED
MMdadoda
12/11/2015 6:01:38 PM

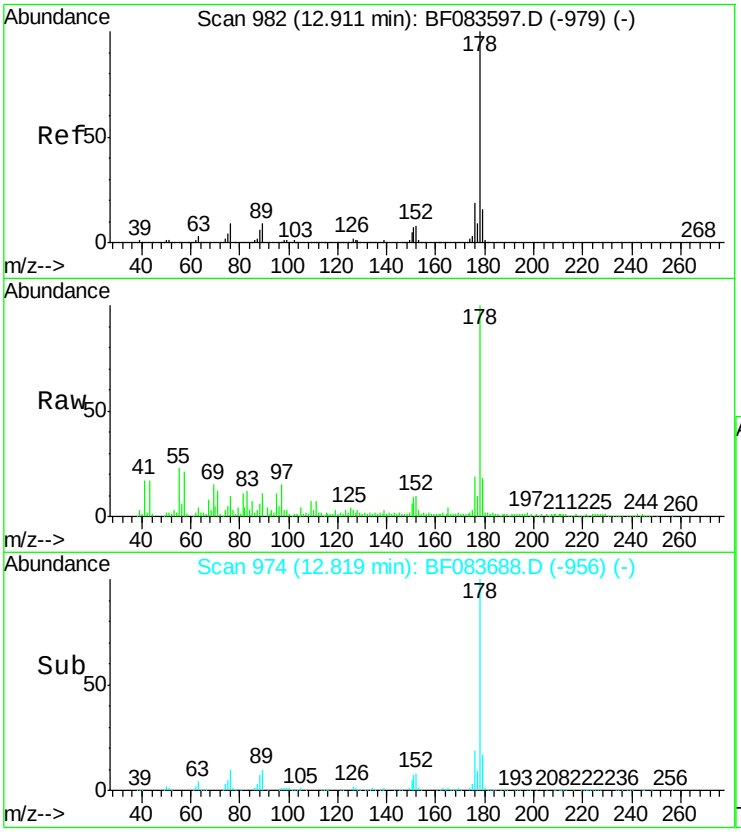


#70
Phenanthrene
Concen: 34.64 ng
RT: 12.73 min Scan# 966
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:178 Resp: 821606

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.9	12.2	18.4

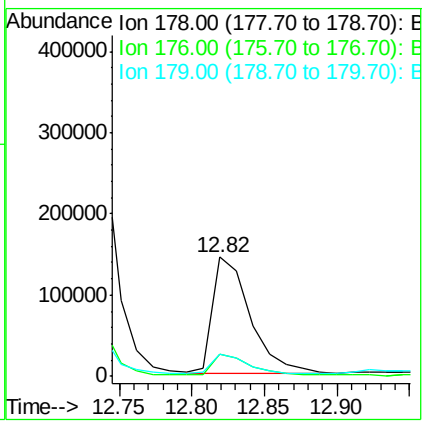




#71
Anthracene
Concen: 10.55 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:178 Resp: 259204

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	18.1	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

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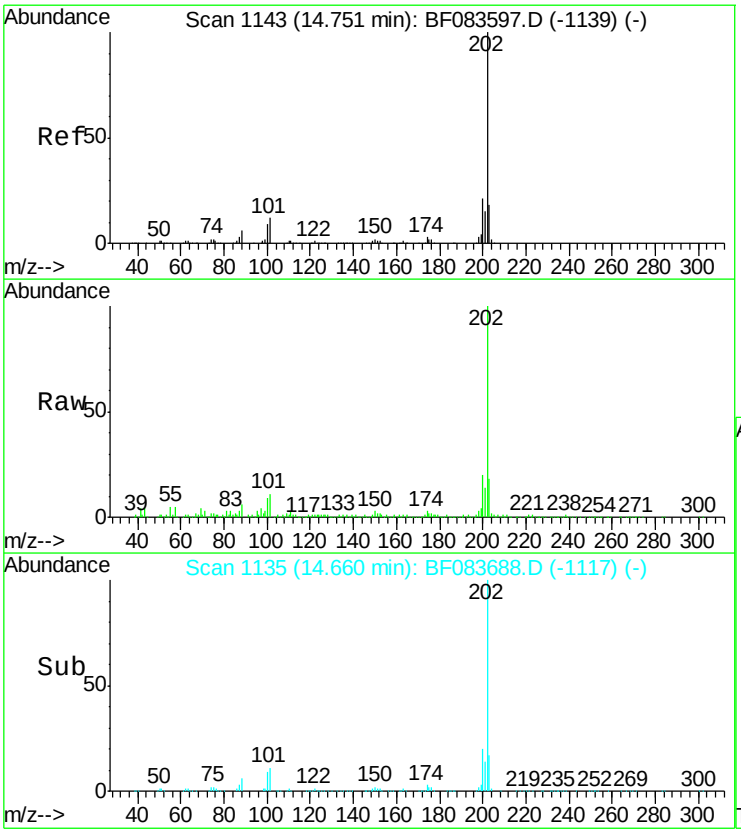
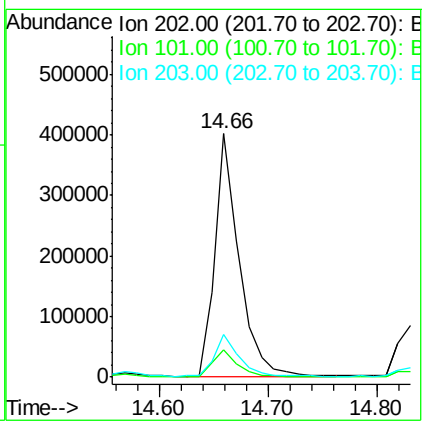
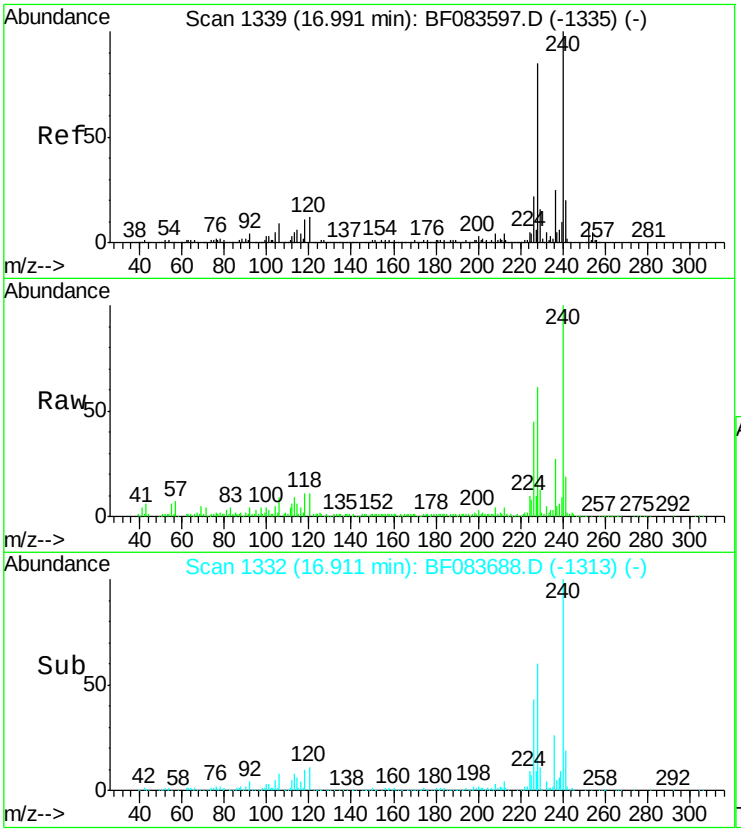


#74
Fluoranthene
Concen: 25.58 ng
RT: 14.66 min Scan# 1135
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:202 Resp: 620622

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.5
203	17.6	0.0	37.6

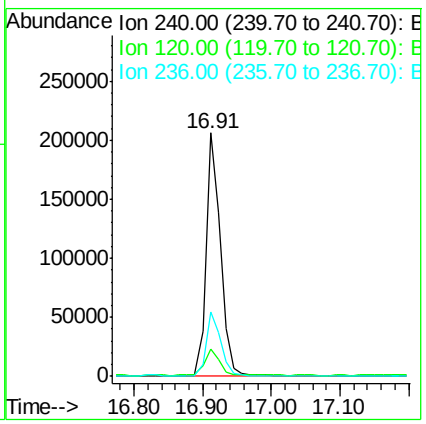




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.91 min Scan# 1332
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:240 Resp: 299822

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.1	12.1
236	26.5	20.8	31.2



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

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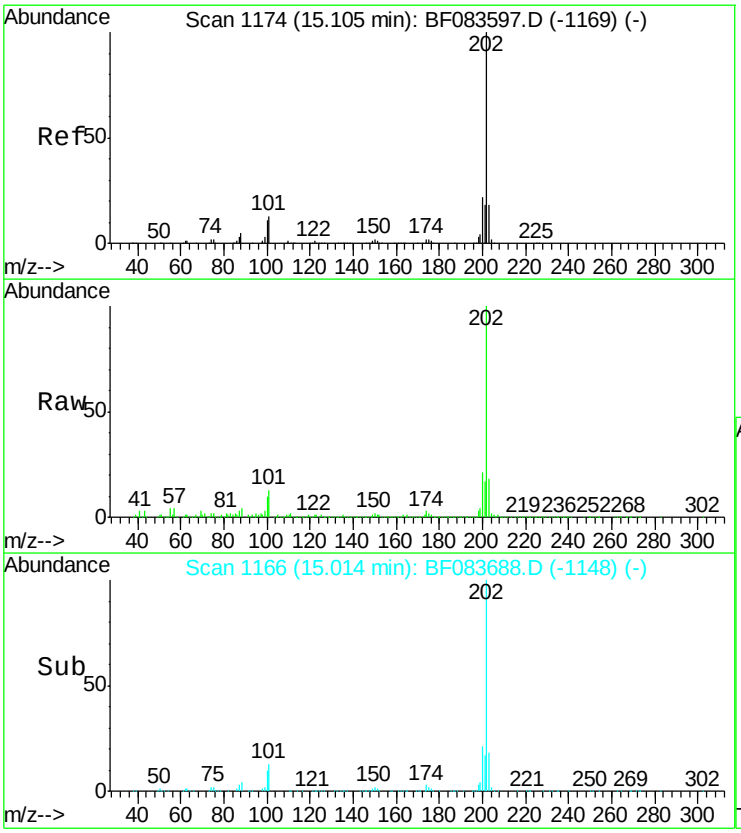
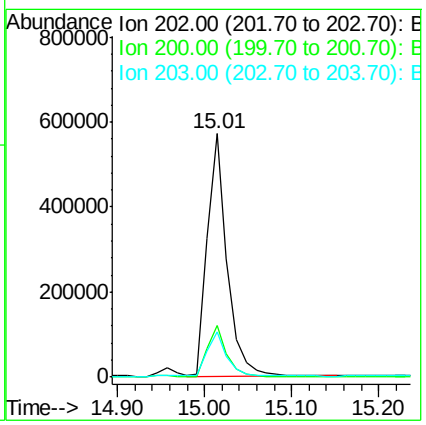
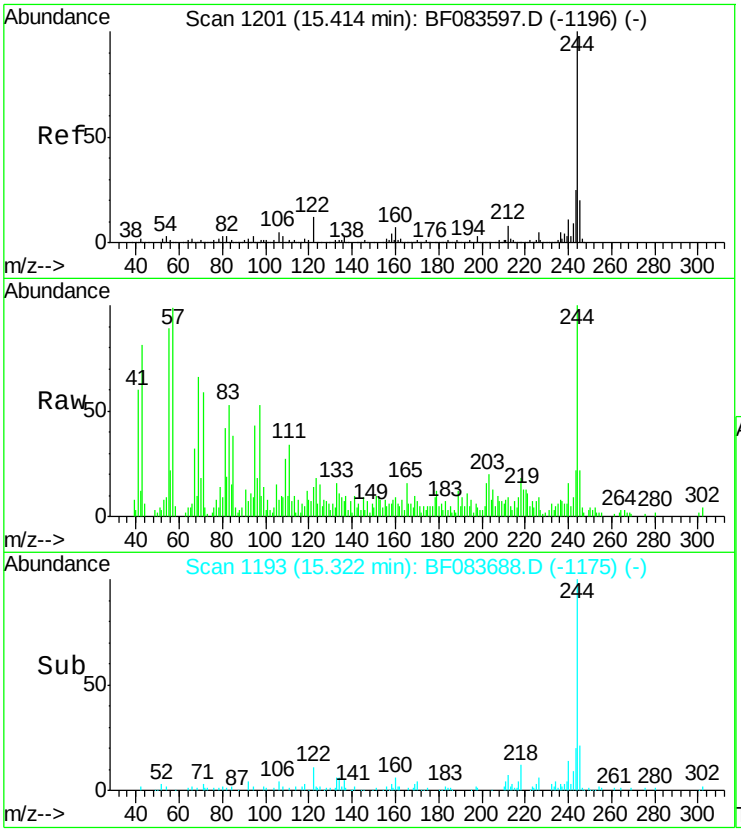


#77
Pyrene
Concen: 42.11 ng
RT: 15.01 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:202 Resp: 909063

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.4	14.3	21.5

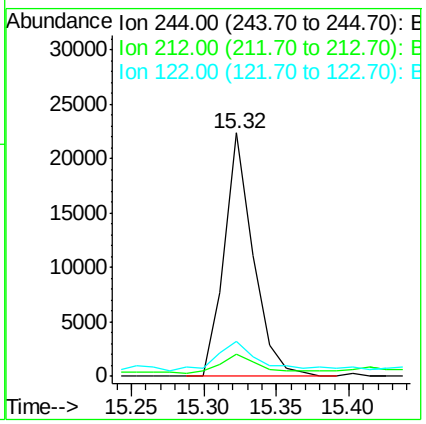




#78
Terphenyl-d14
Concen: 2.43 ng
RT: 15.32 min Scan# 1193
Delta R.T. -0.09 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:244 Resp: 30985

Ion	Ratio	Lower	Upper
244	100		
212	9.2	6.1	9.1#
122	14.2	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

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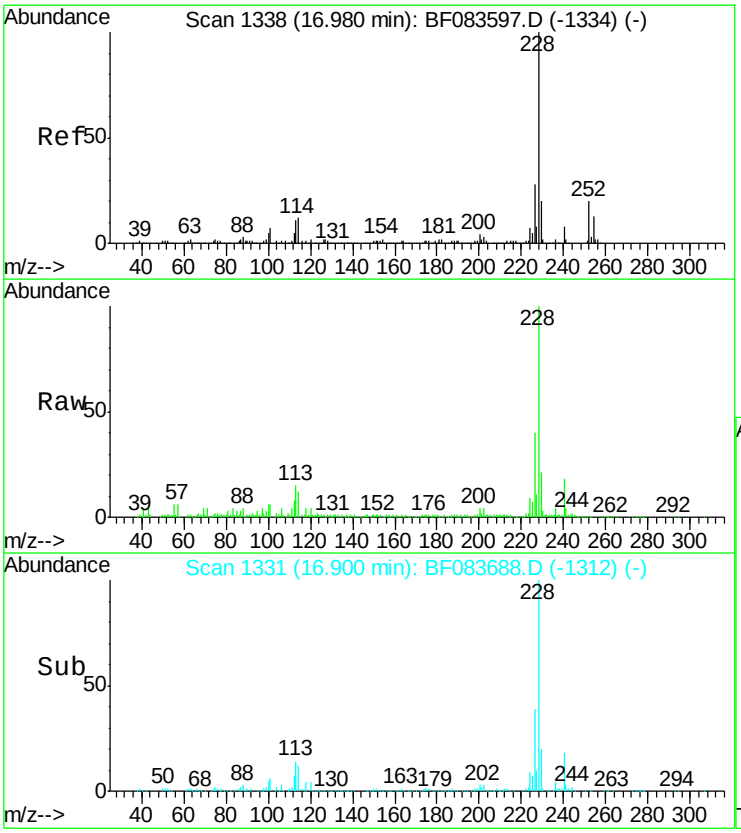
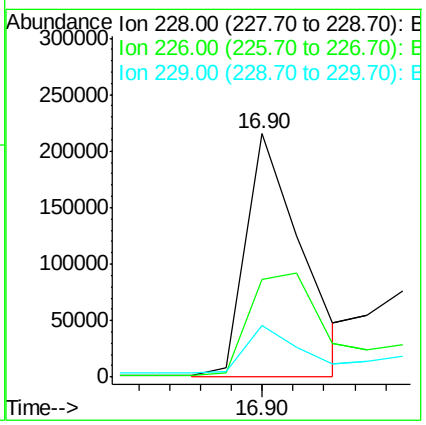
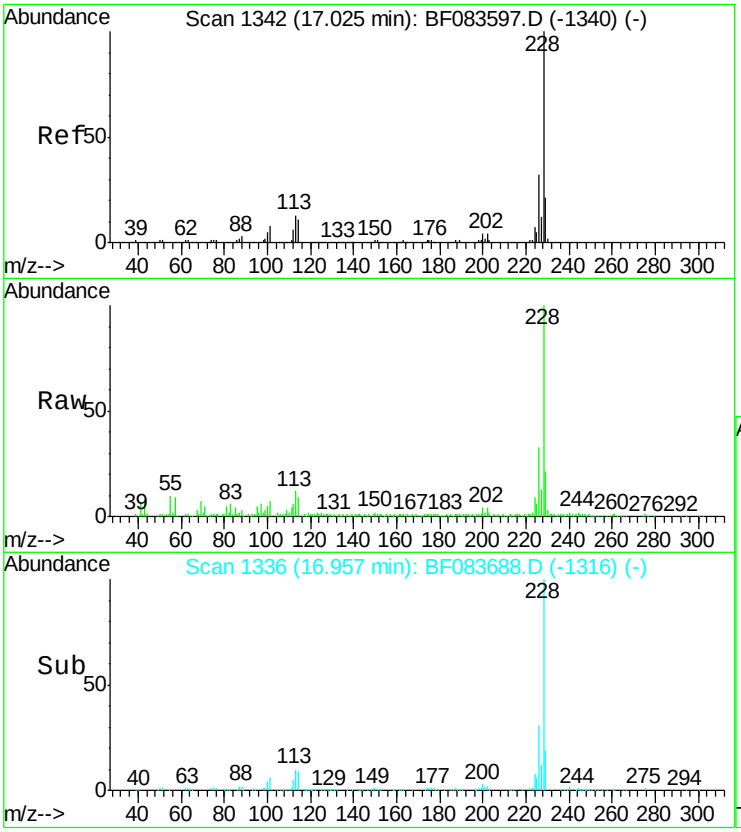


#80
Benzo(a)anthracene
Concen: 15.51 ng m
RT: 16.90 min Scan# 1331
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:228 Resp: 272189

Ion	Ratio	Lower	Upper
228	100		
226	39.9	22.3	33.5#
229	21.4	15.7	23.5

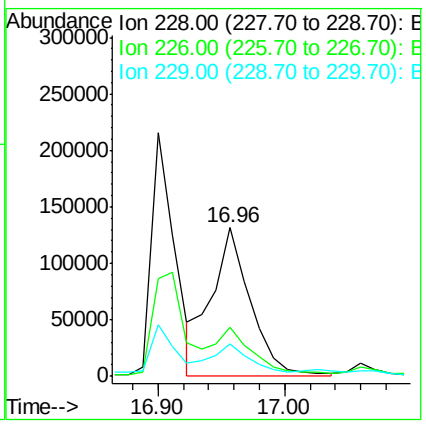




#82
Chrysene
Concen: 16.47 ng m
RT: 16.96 min Scan# 1336
Delta R.T. -0.07 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:228 Resp: 289811

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.7	37.1
229	21.4	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
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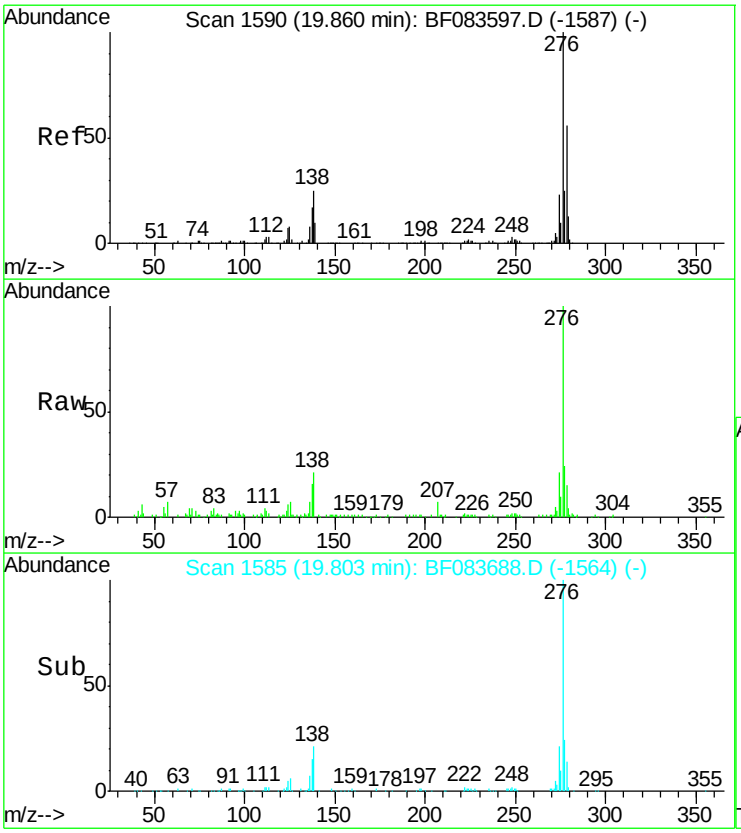
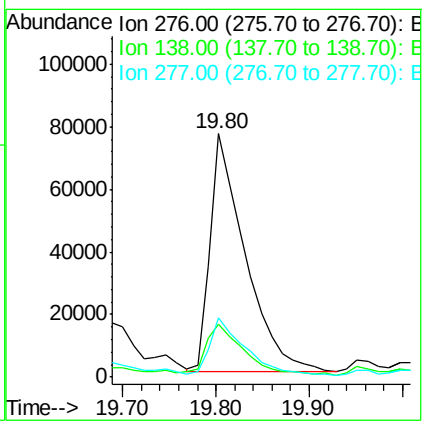
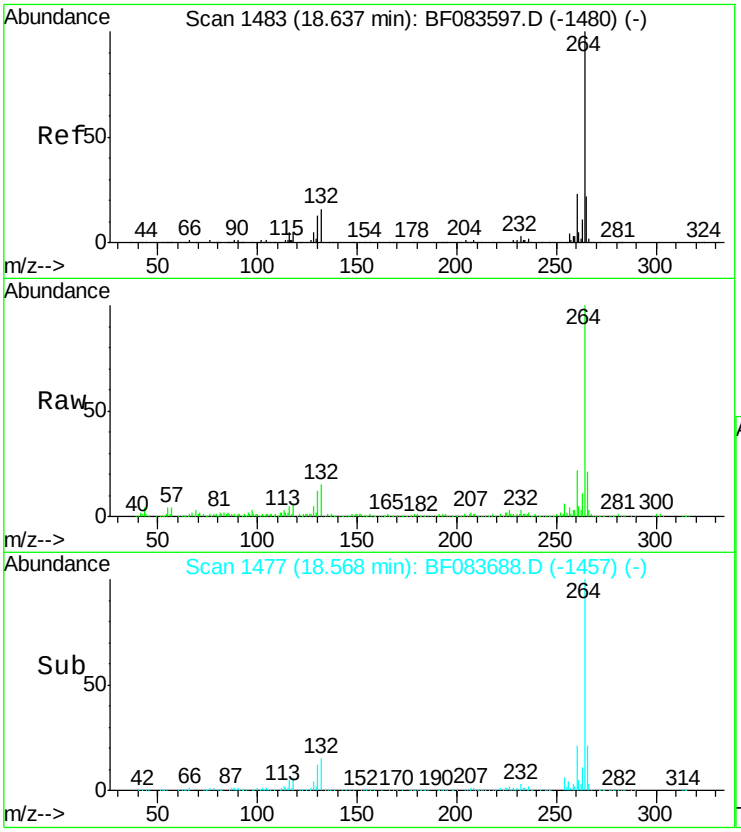


#85
Indeno(1,2,3-cd)pyrene
Concen: 16.81 ng
RT: 19.80 min Scan# 1585
Delta R.T. -0.06 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:276 Resp: 199553

Ion	Ratio	Lower	Upper
276	100		
138	22.6	0.0	0.0#
277	23.7	0.0	0.0#

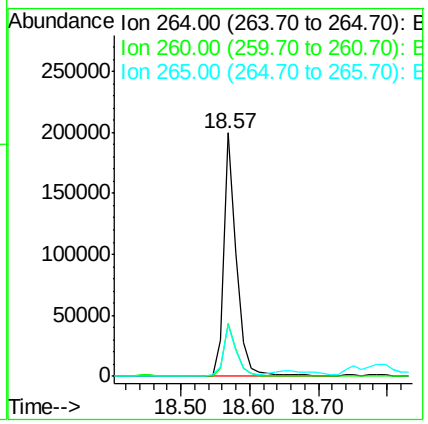




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:264 Resp: 261526

Ion	Ratio	Lower	Upper
264	100		
260	21.7	19.4	29.0
265	21.3	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
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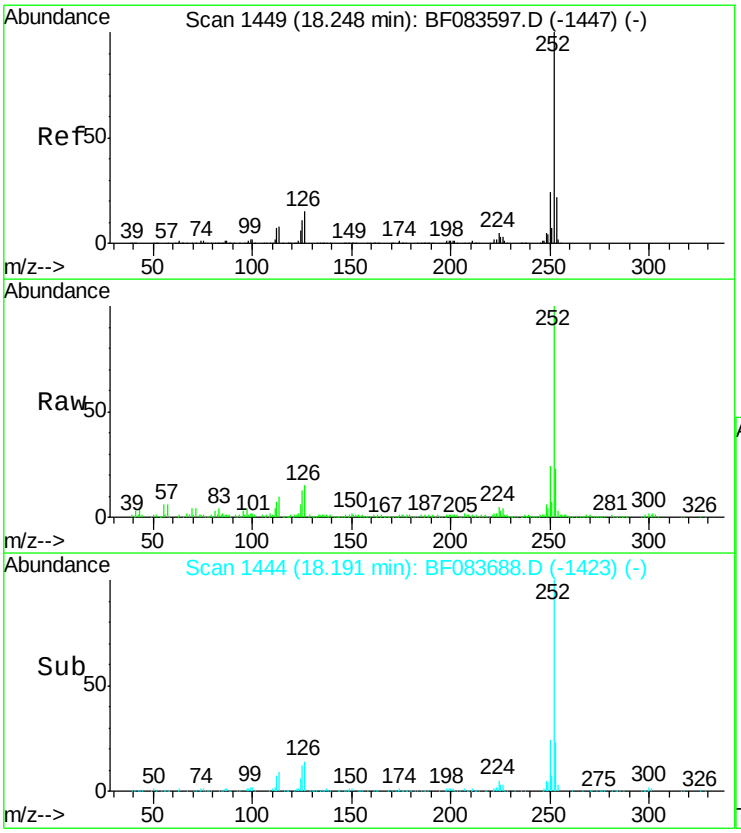
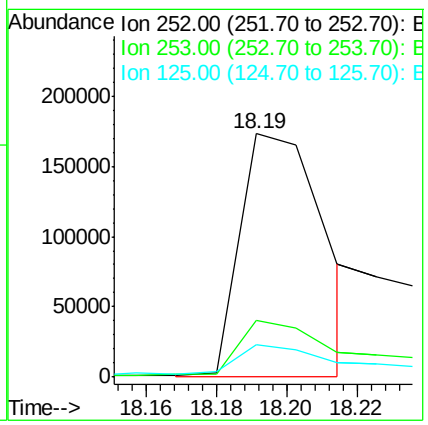
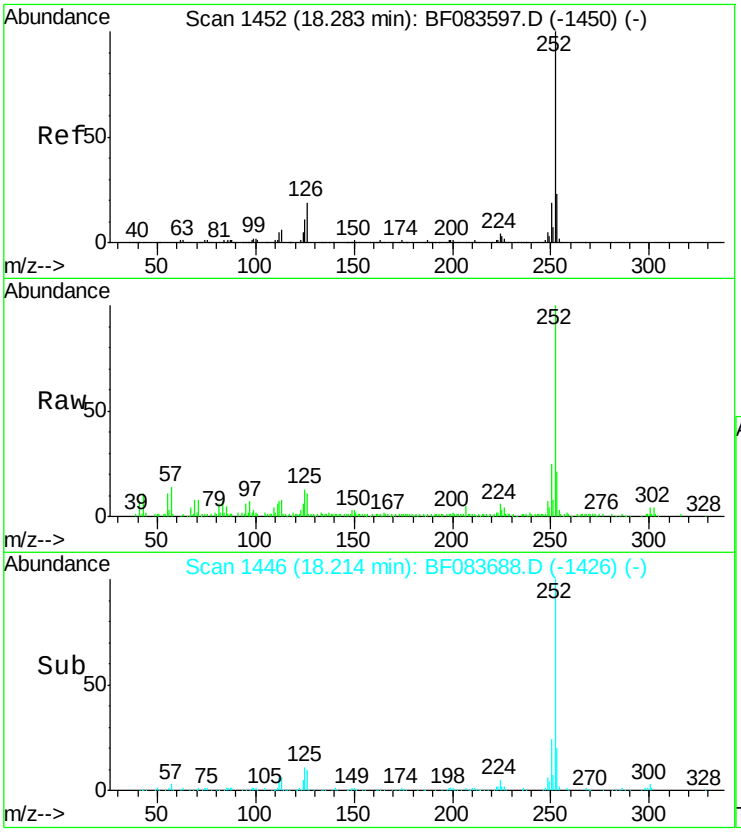


#87
Benzo(b)fluoranthene
Concen: 19.45 ng m
RT: 18.19 min Scan# 1444
Delta R.T. -0.06 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:252 Resp: 289601

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	13.2	8.2	12.4#





#88
Benzo(k)fluoranthene
Concen: 7.98 ng m
RT: 18.21 min Scan# 1446
Delta R.T. -0.07 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:252 Resp: 130986

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.6	27.8
125	13.0	11.5	17.3

Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

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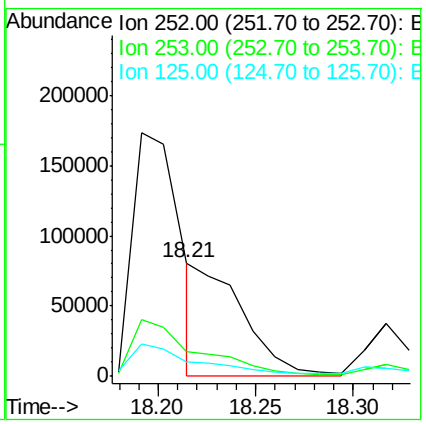
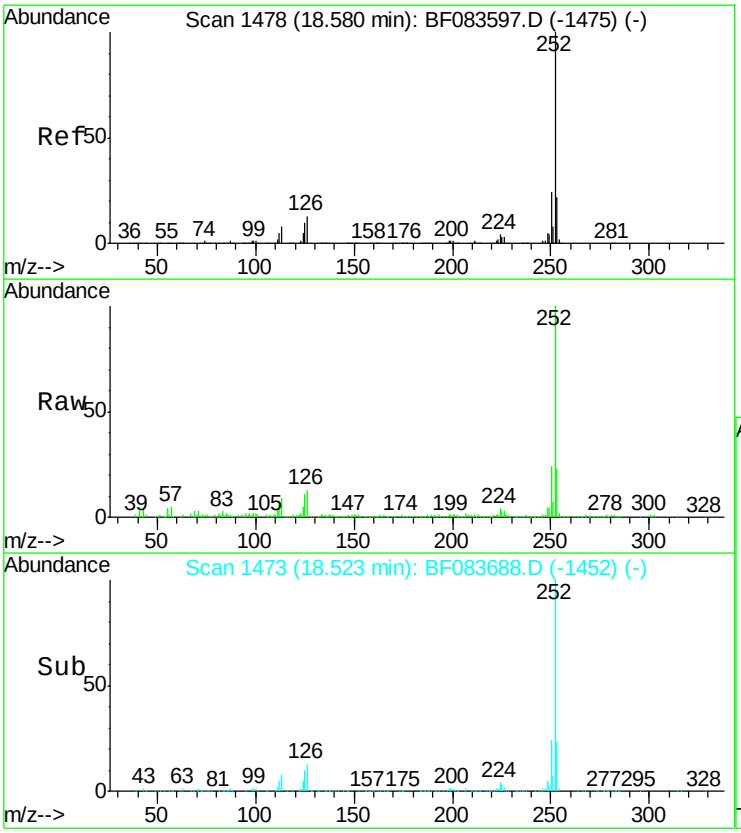
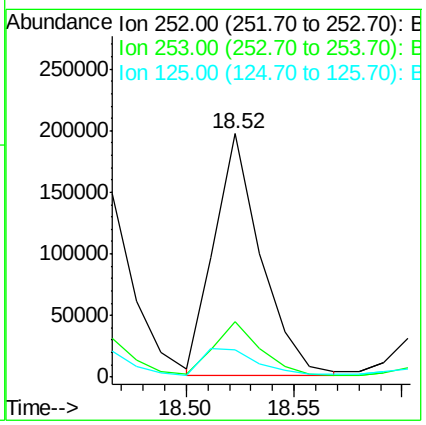


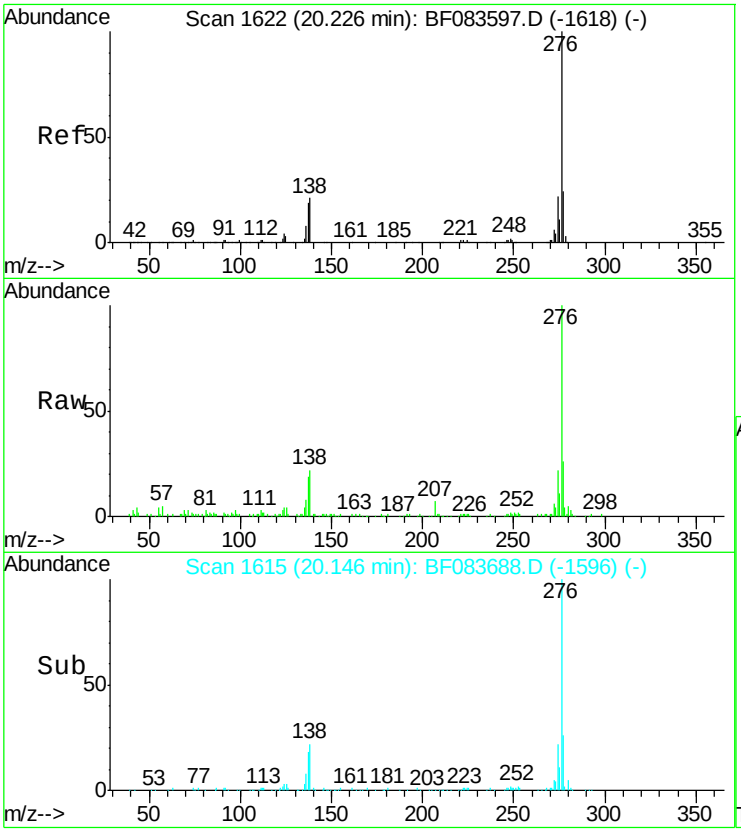


#89
Benzo(a)pyrene
Concen: 20.65 ng m
RT: 18.52 min Scan# 1473
Delta R.T. -0.06 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:252 Resp: 300063

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.0	11.0	16.6#

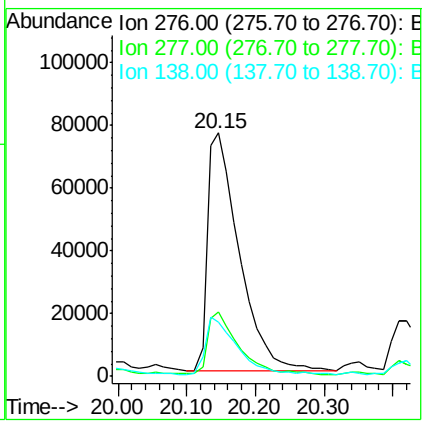




#91
Benzo(g,h,i)perylene
Concen: 22.56 ng
RT: 20.15 min Scan# 1615
Delta R.T. -0.08 min
Lab File: BF083688.D
Acq: 10 Dec 2015 21:01

Tgt Ion:276 Resp: 244382

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.2	28.8
138	22.5	19.5	29.3



Instrument :
BNA_F
ClientSampleId :
DUP1-112415DL

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