Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083928.D
Acq On : 18 Dec 2015 22:17
Operator : UM/SJ
Sample : G4759-05DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15DL

Manual Integrations APPROVED
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12/22/2015 11:51:10 AM

Quant Time: Dec 19 04:56:38 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	74816	20.00	ng		-0.01
21) Naphthalene-d8	8.14	136	284841	20.00	ng		-0.01
38) Acenaphthene-d10	9.90	164	180229	20.00	ng		-0.01
63) Phenanthrene-d10	11.39	188	281001	20.00	ng		0.00
75) Chrysene-d12	14.03	240	207248	20.00	ng		0.00
86) Perylene-d12	15.47	264	207515	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	116954	24.46	ng		-0.01
7) Phenol-d6	6.50	99	120749	20.63	ng		-0.01
23) Nitrobenzene-d5	7.42	82	72887	14.60	ng		-0.01
41) 2,4,6-Tribromophenol	10.69	330	35638	17.95	ng		-0.01
44) 2-Fluorobiphenyl	9.23	172	183931	12.04	ng		-0.01
78) Terphenyl-d14	12.97	244	142733	10.61	ng		-0.01
Target Compounds							Qvalue
48) Acenaphthylene	9.77	152	56528	2.69	ng	#	95
51) Acenaphthene	9.94	154	81086	6.28	ng		98
54) Dibenzofuran	10.11	168	127406	7.59	ng	#	93
57) Fluorene	10.45	166	64000	2.16	ng		97
70) Phenanthrene	11.41	178	552313	32.53	ng		98
71) Anthracene	11.47	178	343820	20.95	ng		99
74) Fluoranthene	12.61	202	1255450	74.10	ng		97
77) Pyrene	12.84	202	1178742	78.75	ng		99
80) Benzo(a)anthracene	14.02	228	315541m	24.76	ng		
82) Chrysene	14.05	228	284274m	23.09	ng		
85) Indeno(1,2,3-cd)pyrene	16.90	276	220138	23.92	ng		95
87) Benzo(b)fluoranthene	15.06	252	380236m	25.13	ng		
88) Benzo(k)fluoranthene	15.08	252	101684m	8.15	ng		
89) Benzo(a)pyrene	15.41	252	230408	18.44	ng		99
90) Dibenzo(a,h)anthracene	16.90	278	43843m	4.51	ng		
91) Benzo(g,h,i)perylene	17.32	276	224545	23.57	ng		97

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

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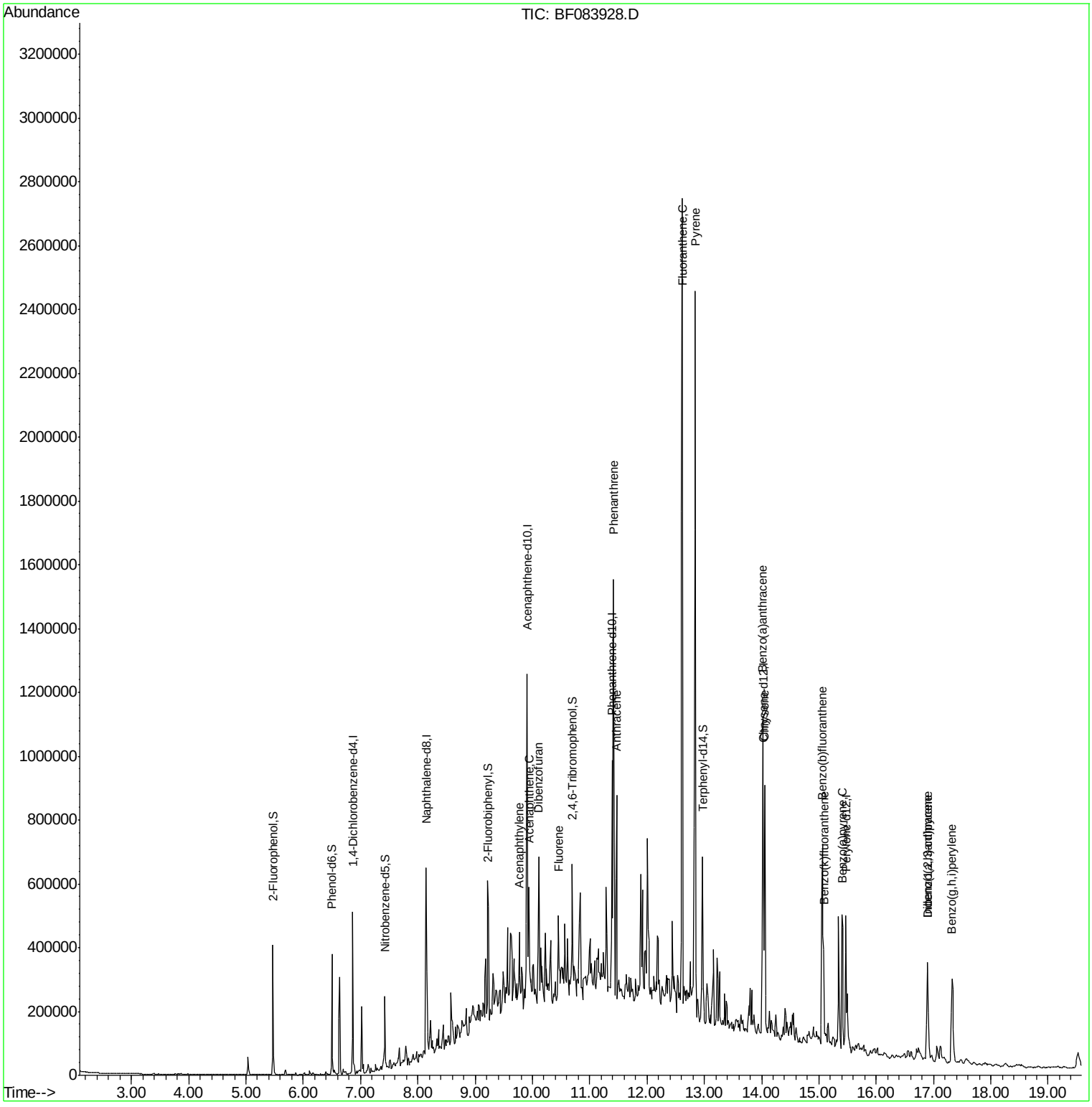
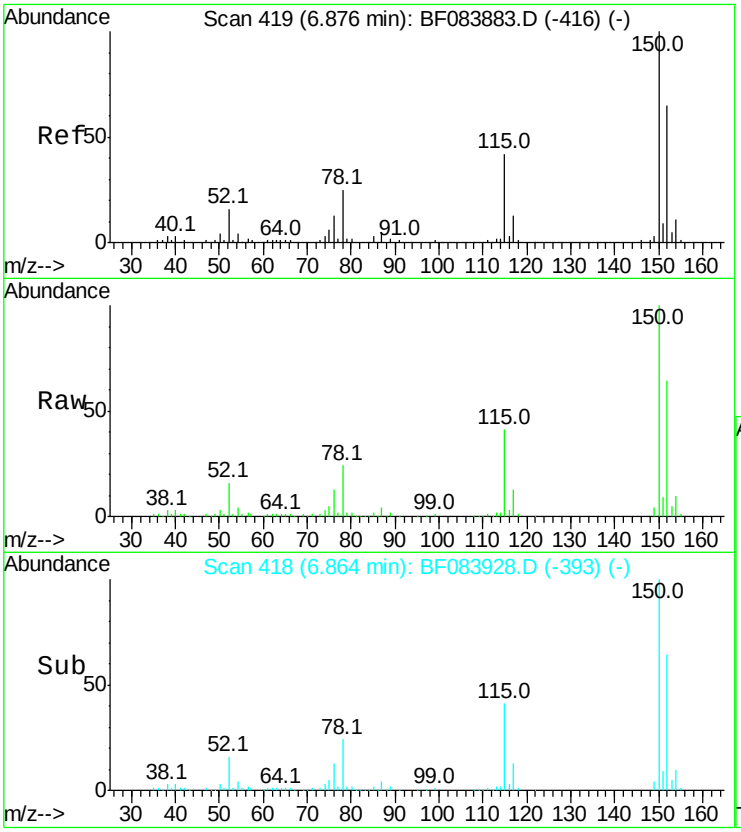
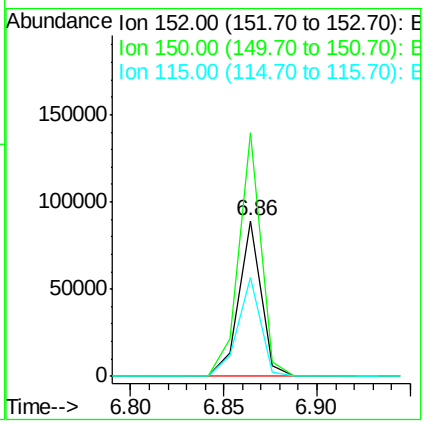




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:152 Resp: 74816

Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.0	184.4
115	63.6	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
K210-10-15DL

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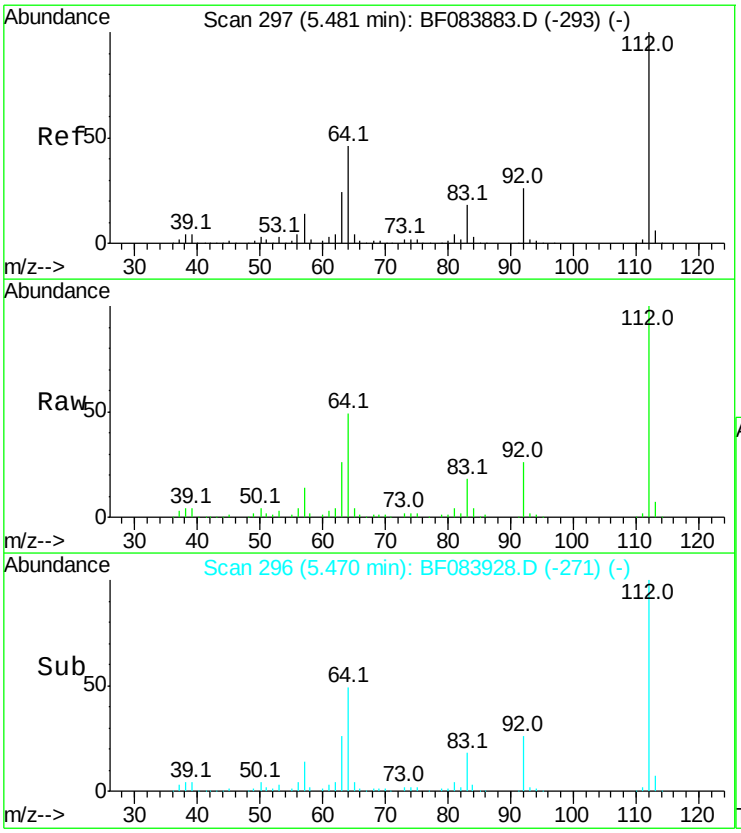
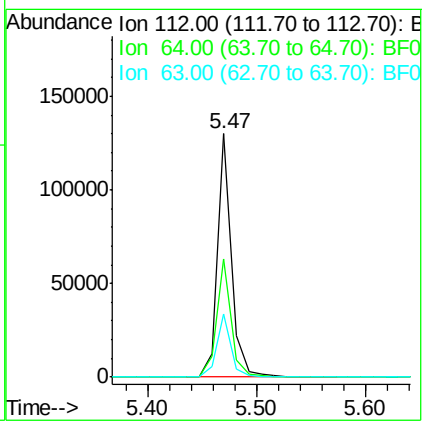
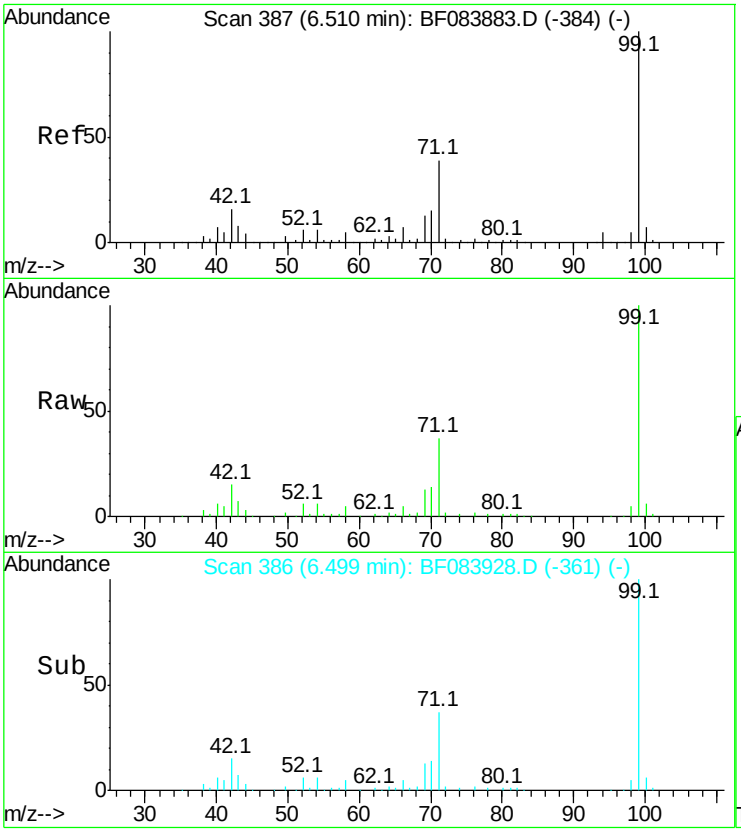


#5
2-Fluorophenol
Concen: 24.46 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:112 Resp: 116954

Ion	Ratio	Lower	Upper
112	100		
64	48.6	36.6	55.0
63	26.1	19.4	29.0

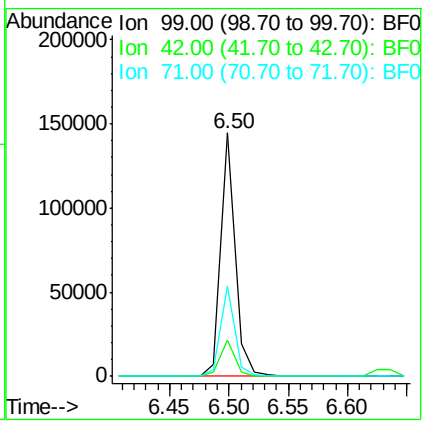




#7
Phenol-d6
Concen: 20.63 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion: 99 Resp: 120749

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.8	19.2
71	37.1	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
K210-10-15DL

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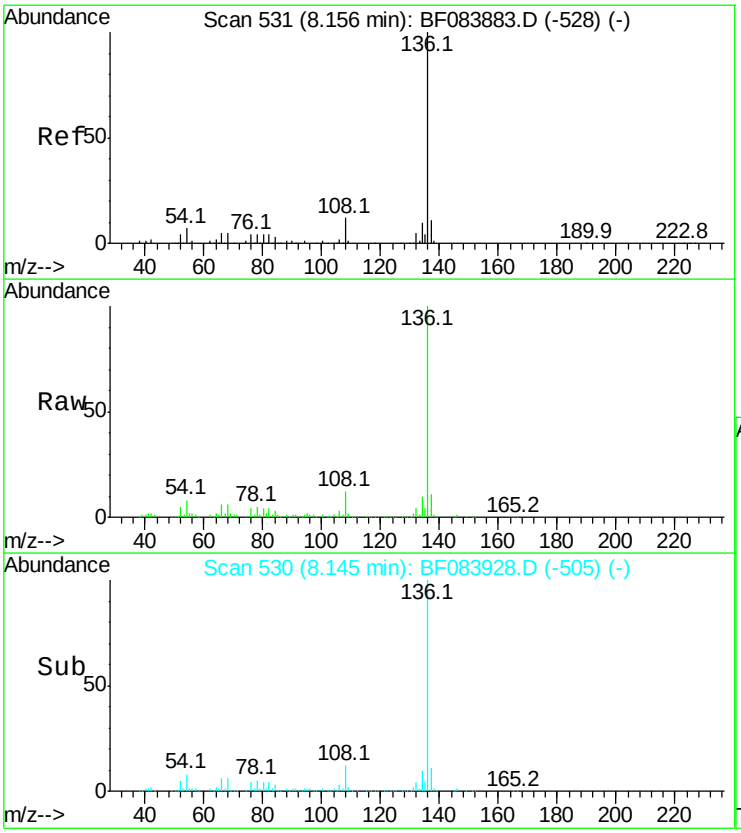
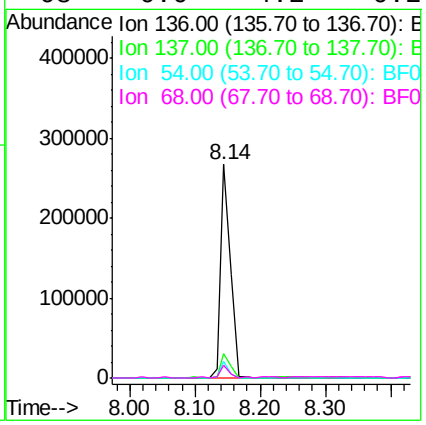
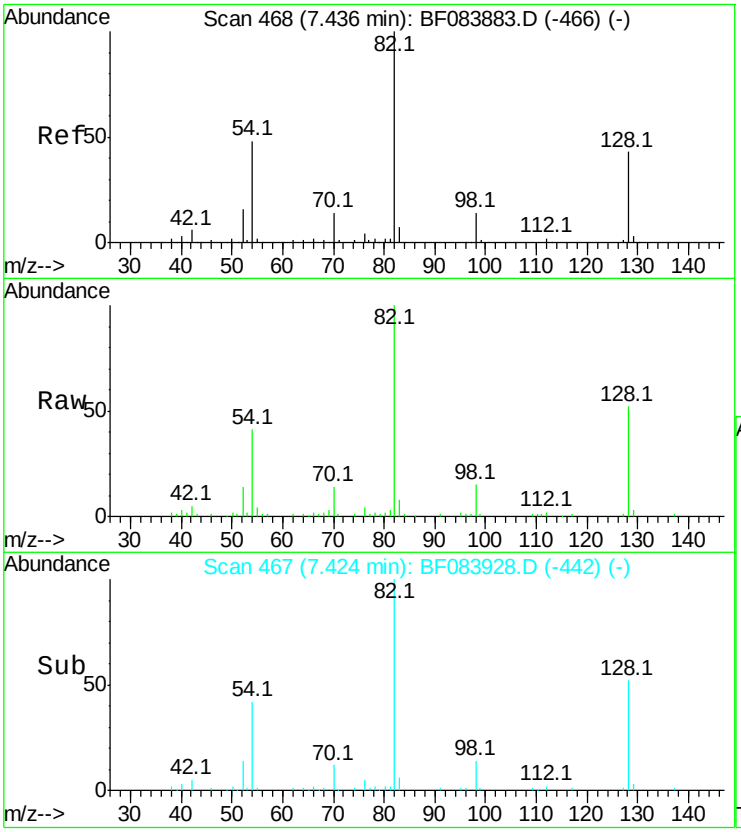


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:136 Resp: 284841

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	7.6	5.8	8.8
68	6.0	4.2	6.2

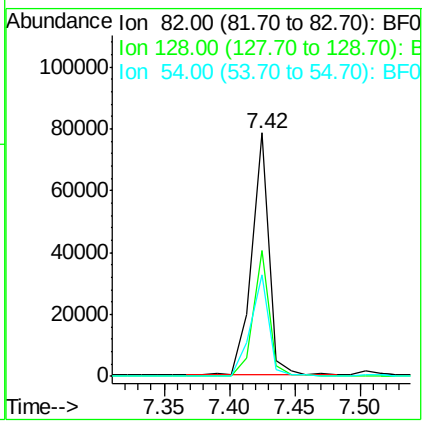




#23
Nitrobenzene-d5
Concen: 14.60 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion: 82 Resp: 72887

Ion	Ratio	Lower	Upper
82	100		
128	51.5	34.6	51.8
54	41.5	38.4	57.6



Instrument :
BNA_F
ClientSampleId :
K210-10-15DL

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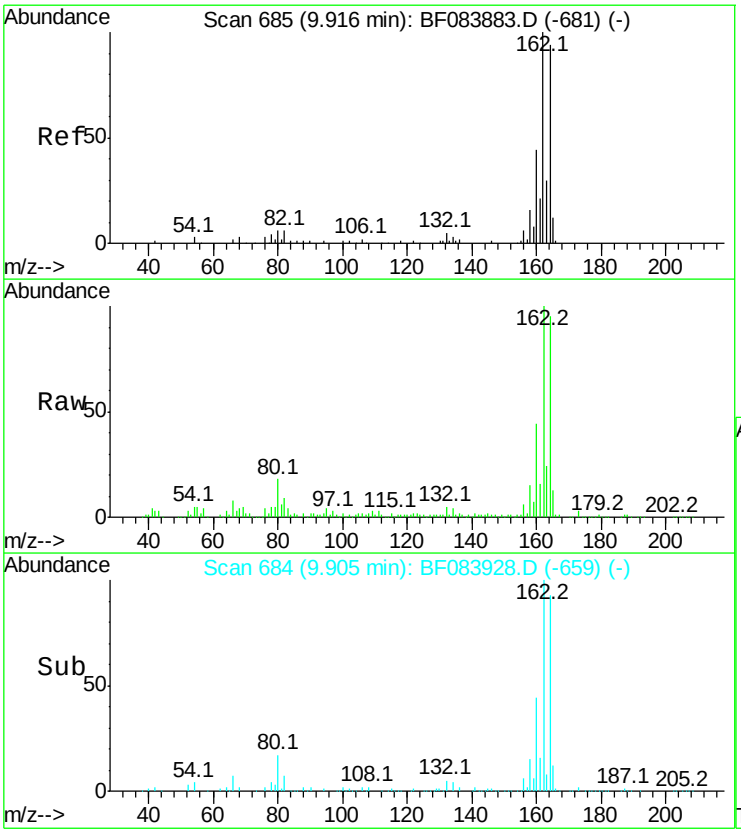
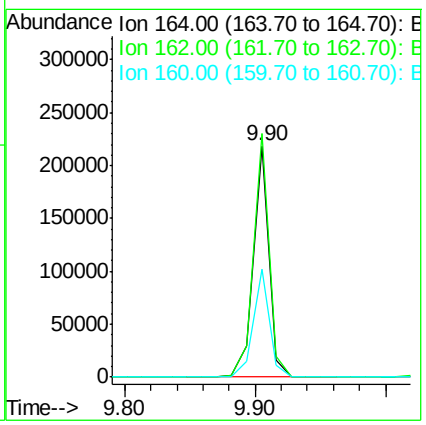
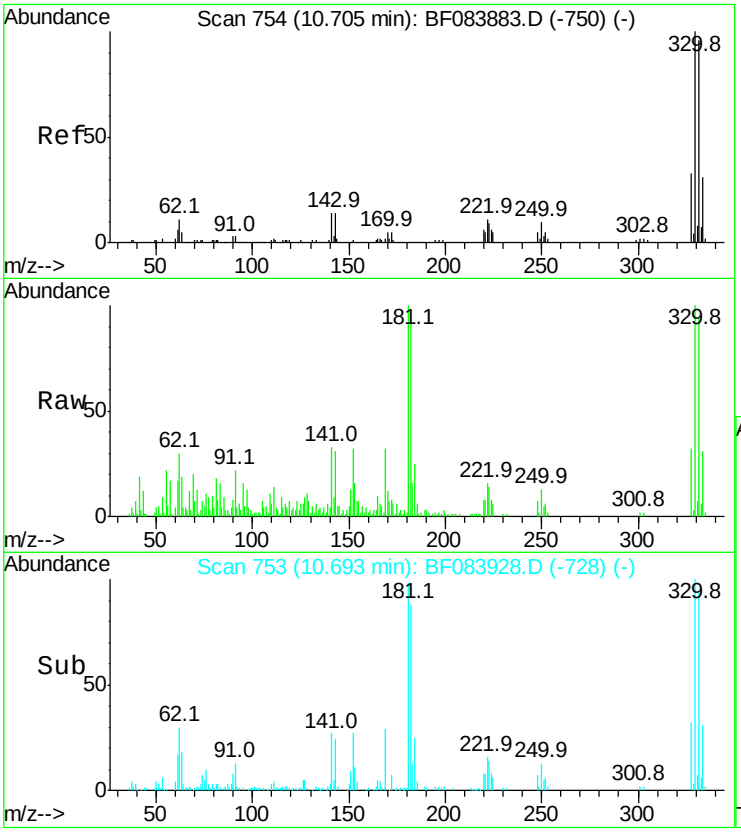


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:164 Resp: 180229

Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.1	127.7
160	46.8	37.5	56.3

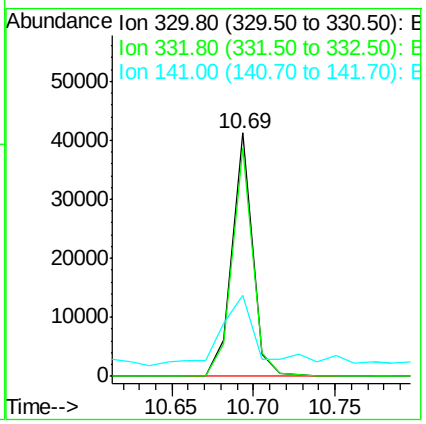




#41
2,4,6-Tribromophenol
Concen: 17.95 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:330 Resp: 35638

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.6	114.8
141	43.9	27.8	41.6#



Instrument :
BNA_F
ClientSampleId :
K210-10-15DL

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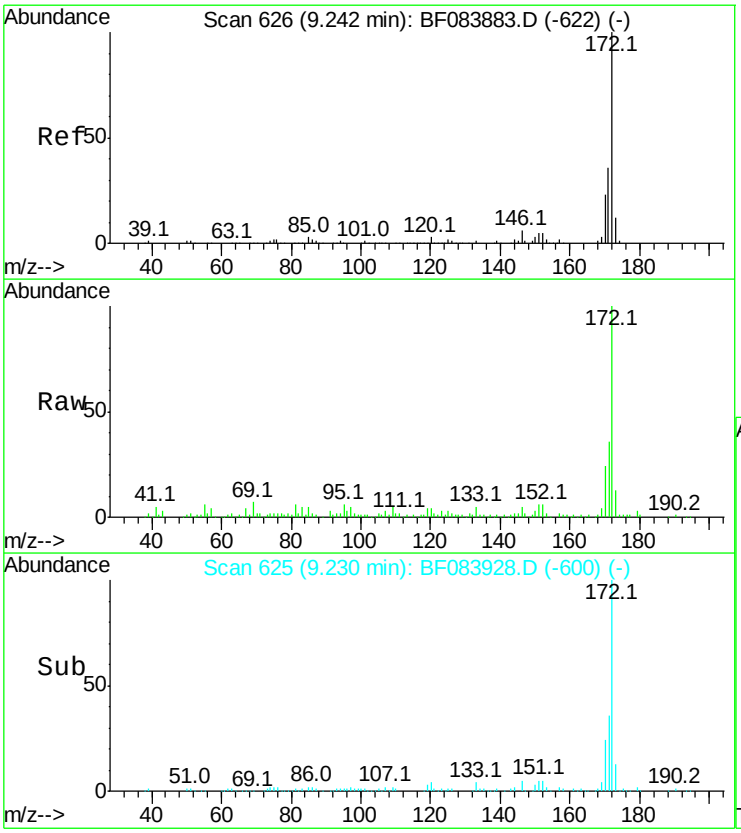
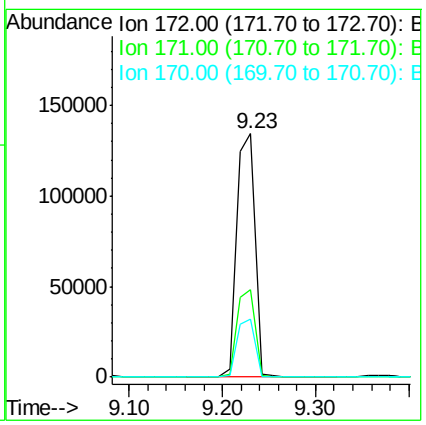
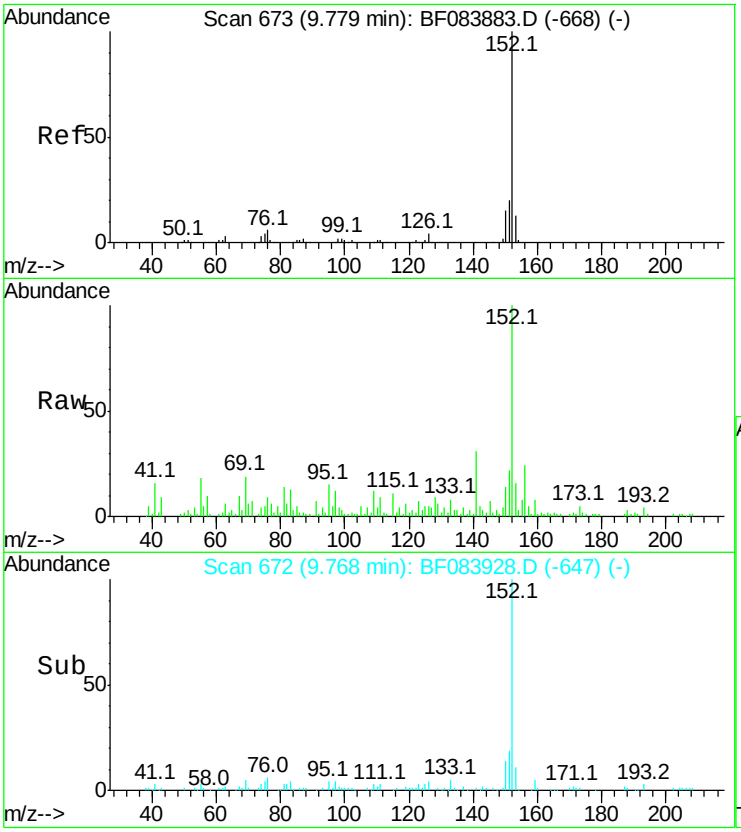


#44
2-Fluorobiphenyl
Concen: 12.04 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:172 Resp: 183931

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	23.7	18.6	27.8

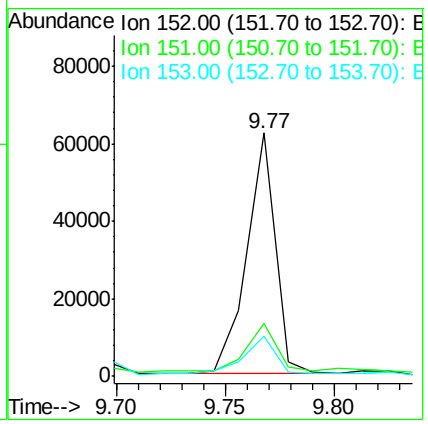




#48
Acenaphthylene
Concen: 2.69 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:152 Resp: 56528

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.3	24.5
153	16.2	10.4	15.6#



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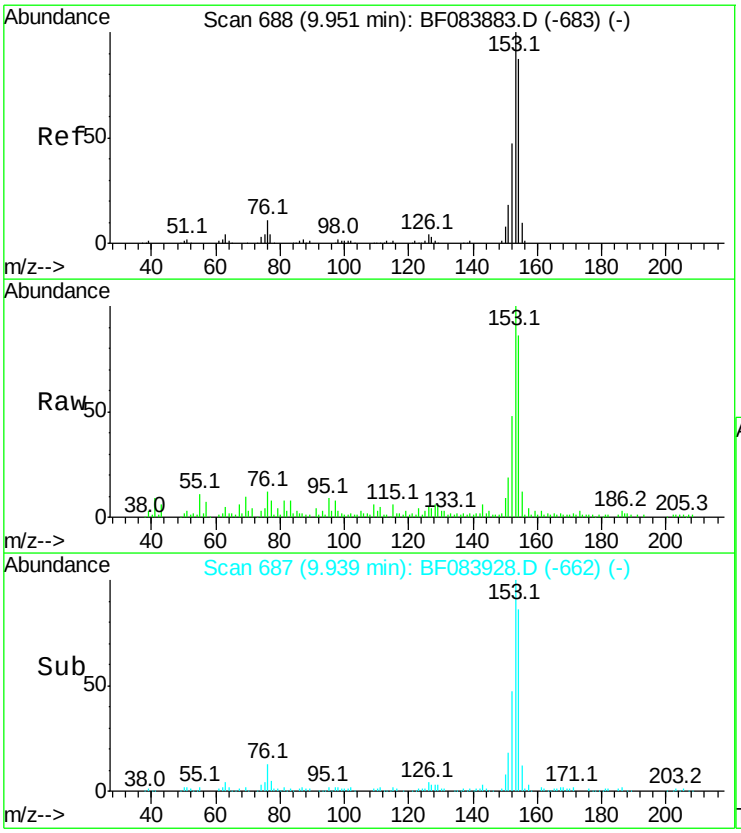
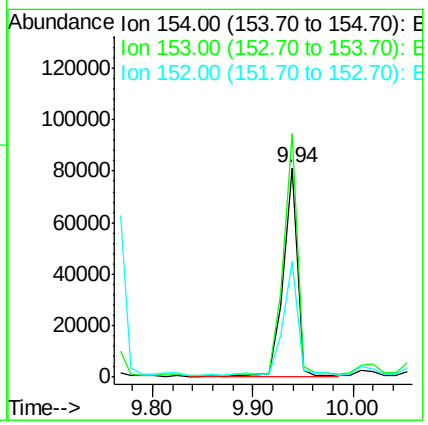
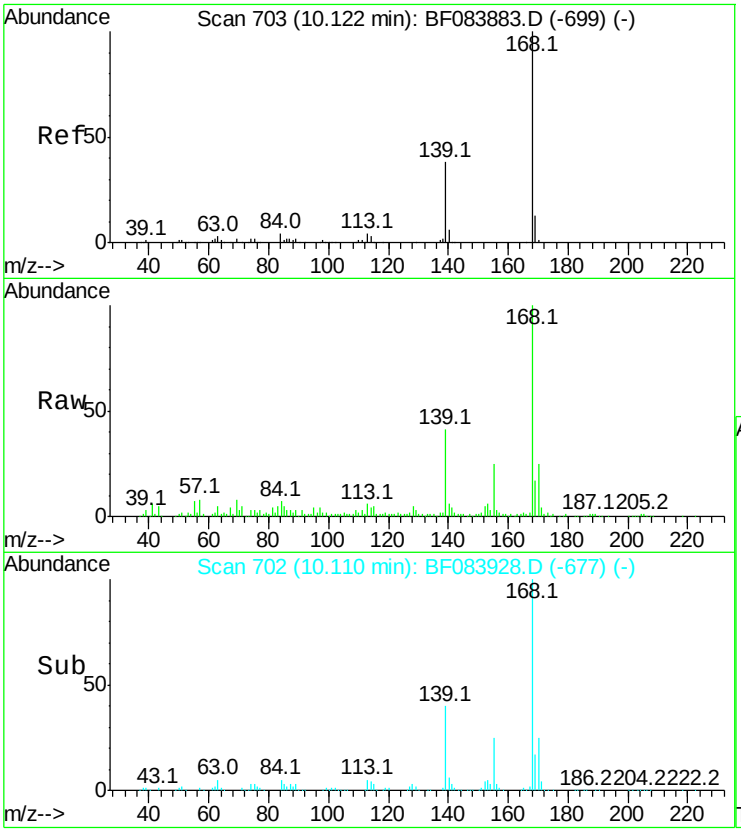


#51
Acenaphthene
Concen: 6.28 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:154 Resp: 81086

Ion	Ratio	Lower	Upper
154	100		
153	116.5	91.5	137.3
152	55.4	43.0	64.6

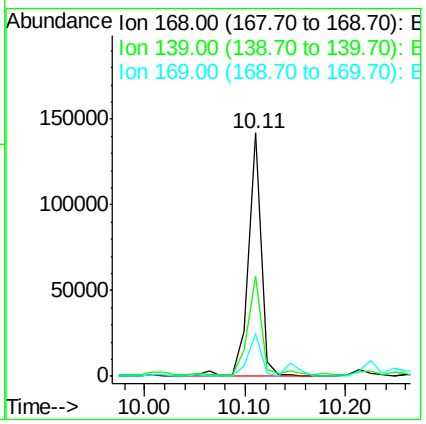




#54
Dibenzofuran
Concen: 7.59 ng
RT: 10.11 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:168 Resp: 127406

Ion	Ratio	Lower	Upper
168	100		
139	41.2	30.5	45.7
169	17.3	10.4	15.6#



Instrument :
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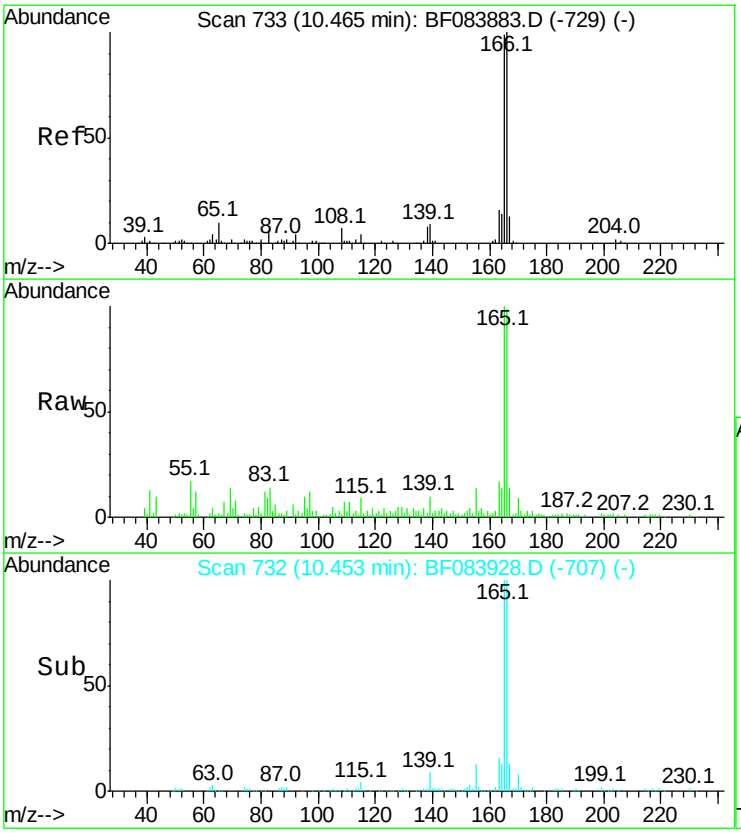
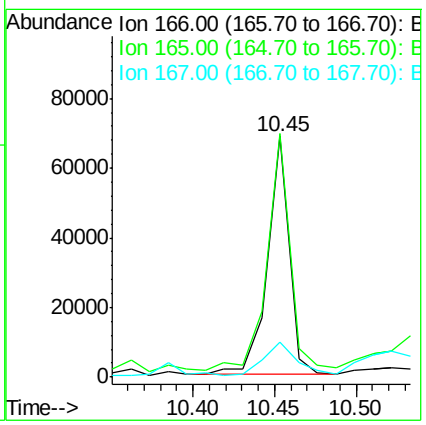
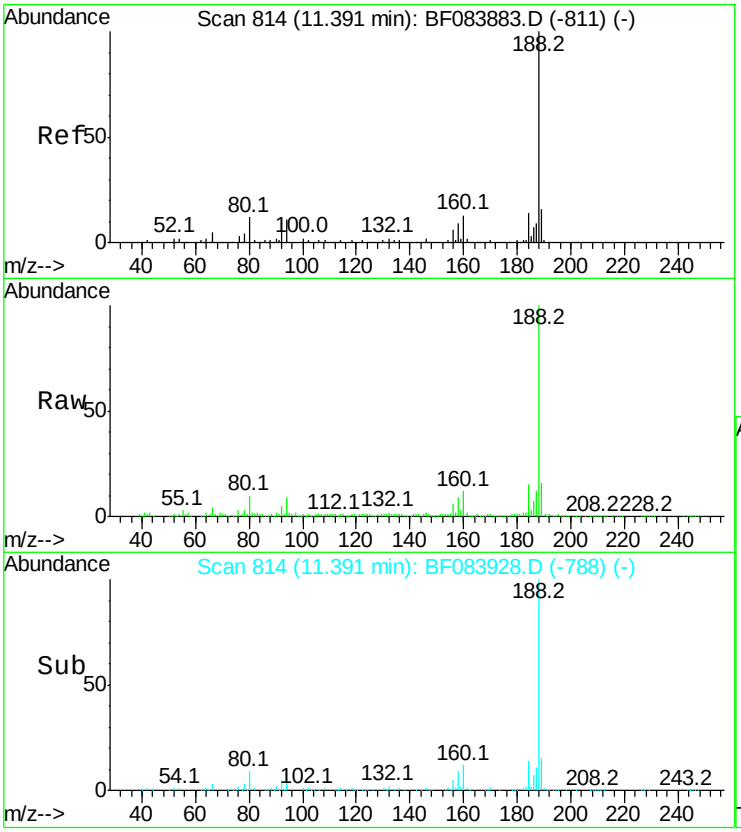


#57
Fluorene
Concen: 2.16 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:166 Resp: 64000

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.1	118.7
167	14.6	10.4	15.6

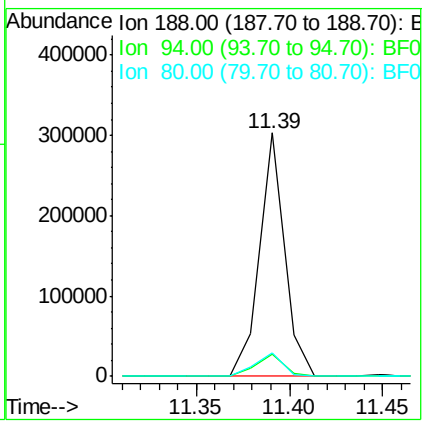




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:188 Resp: 281001

Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.7	9.6	14.4



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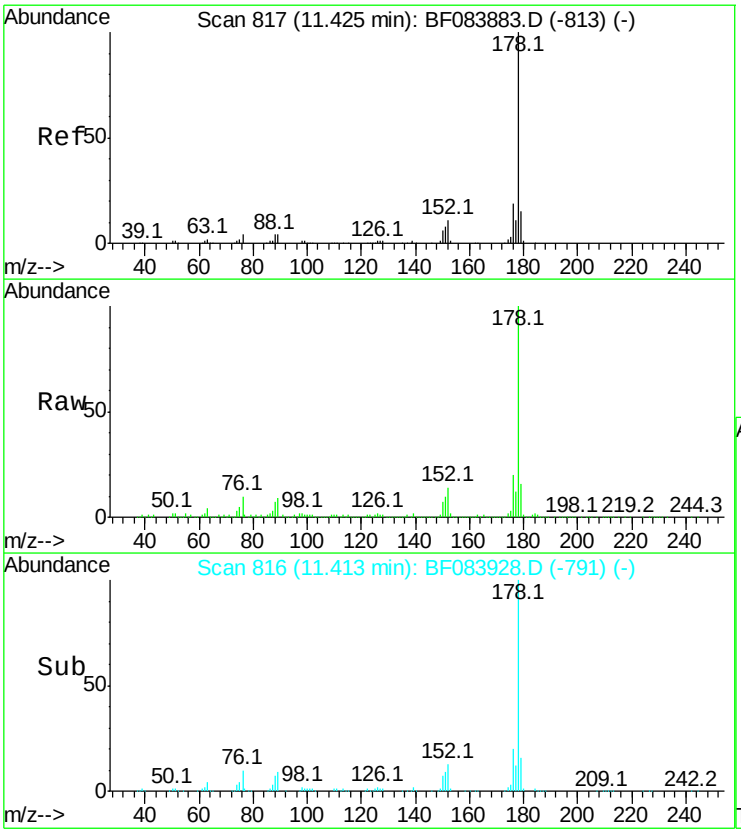
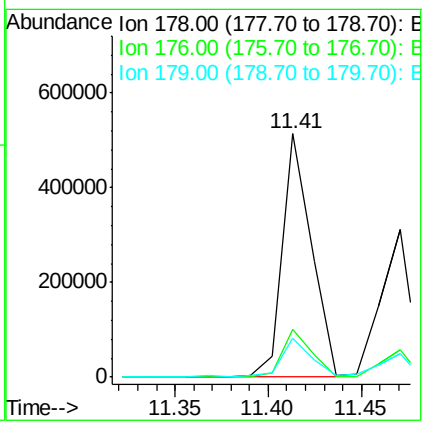
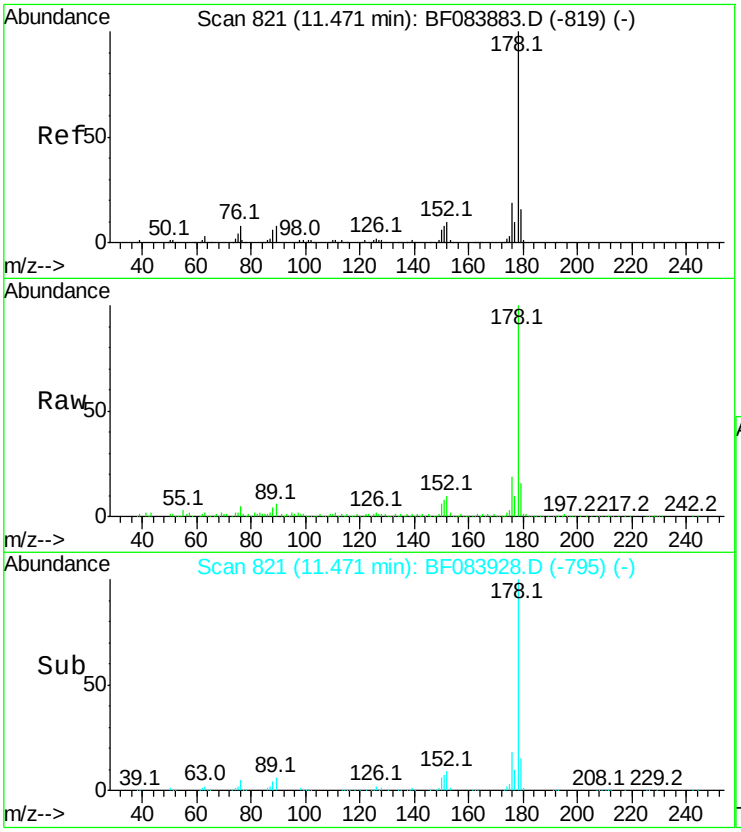


#70
Phenanthrene
Concen: 32.53 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:178 Resp: 552313

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	16.0	12.0	18.0

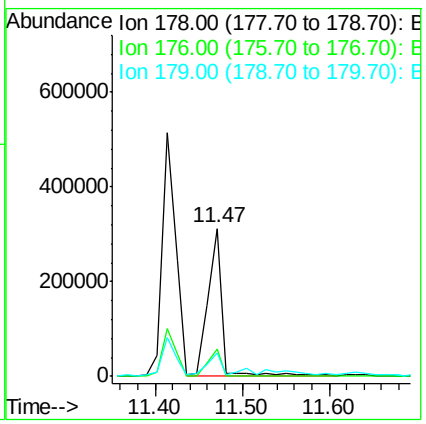




#71
Anthracene
Concen: 20.95 ng
RT: 11.47 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:178 Resp: 343820

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.8	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
K210-10-15DL

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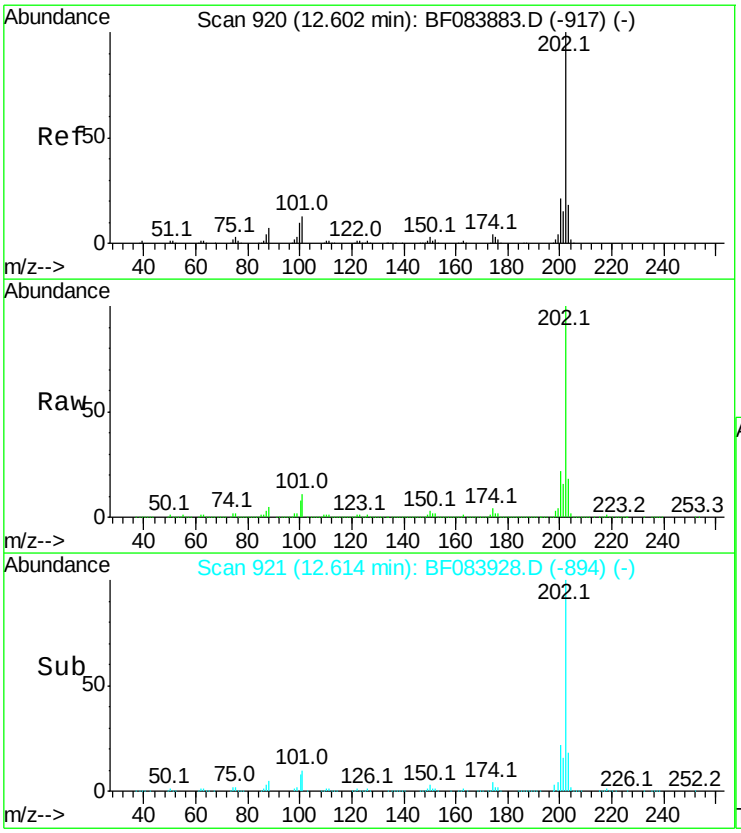
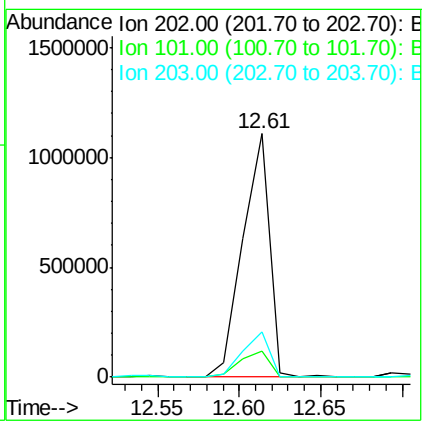
apatel
12/22/2015 11:51:10 AM

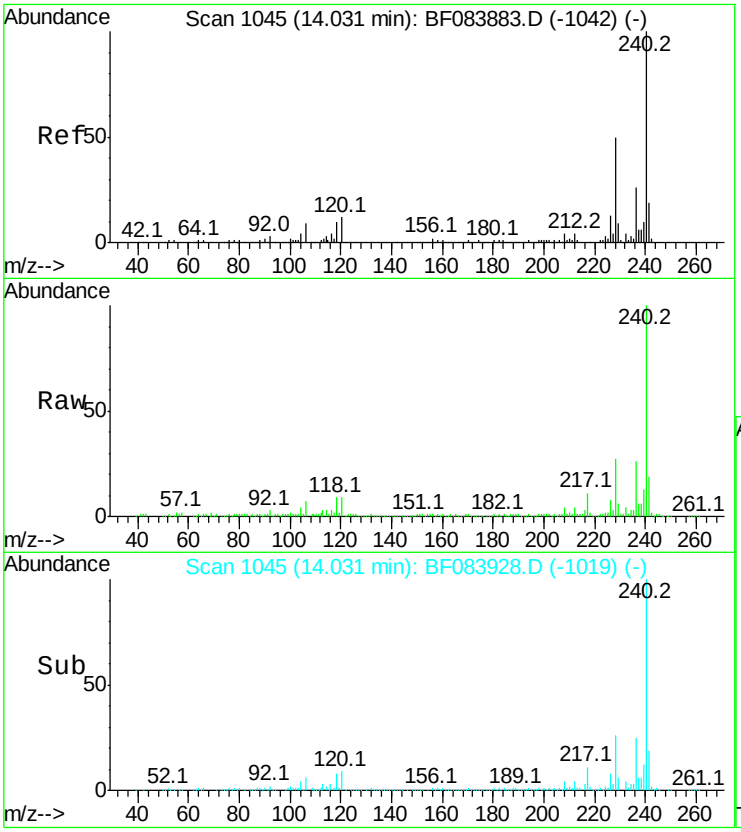


#74
Fluoranthene
Concen: 74.10 ng
RT: 12.61 min Scan# 921
Delta R.T. 0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:202 Resp: 1255450

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.8
203	18.3	0.0	37.9

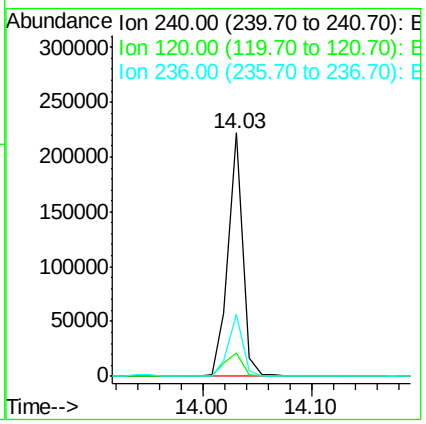




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:240 Resp: 207248

Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.5	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
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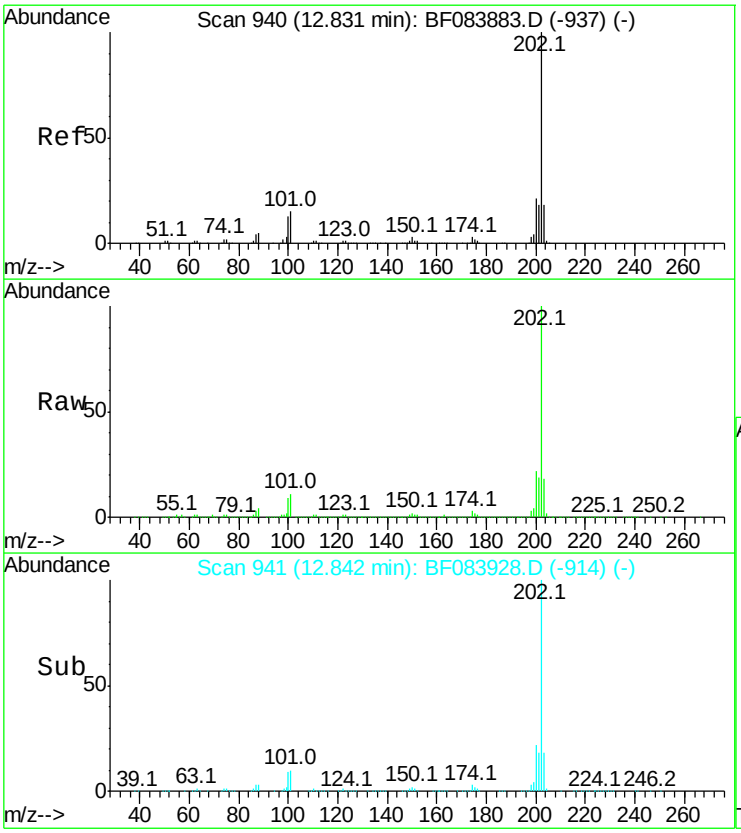
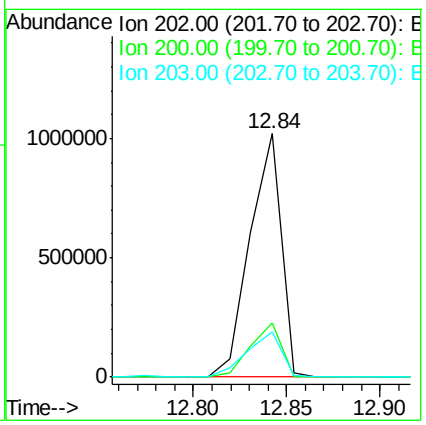
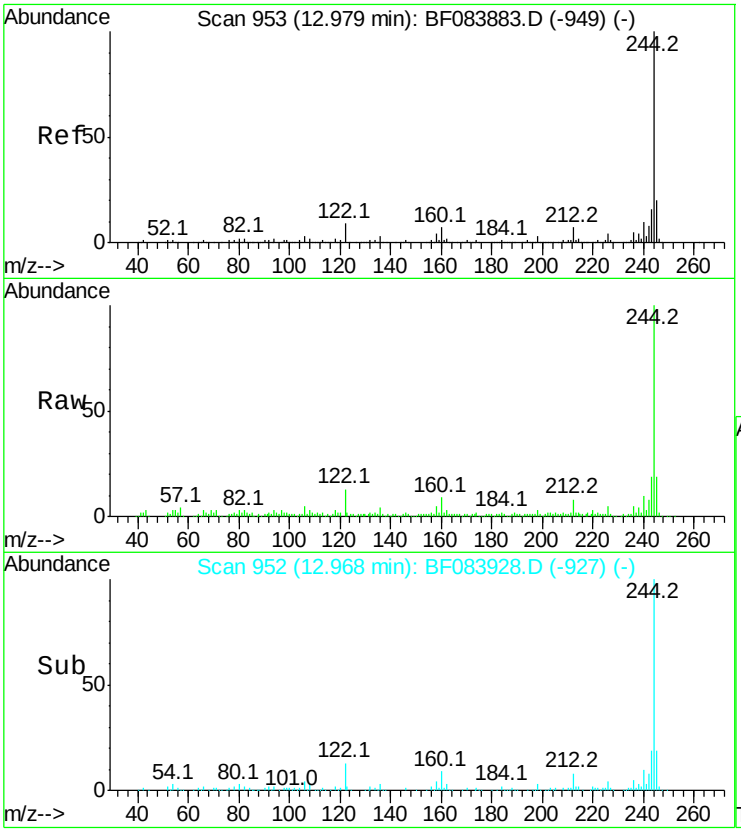


#77
Pyrene
Concen: 78.75 ng
RT: 12.84 min Scan# 941
Delta R.T. 0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:202 Resp: 1178742

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.2	25.8
203	18.4	14.3	21.5

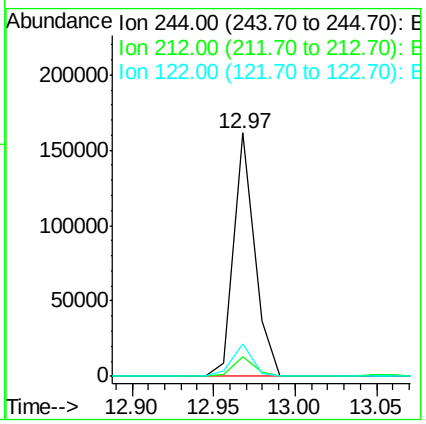




#78
Terphenyl-d14
Concen: 10.61 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:244 Resp: 142733

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	13.4	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
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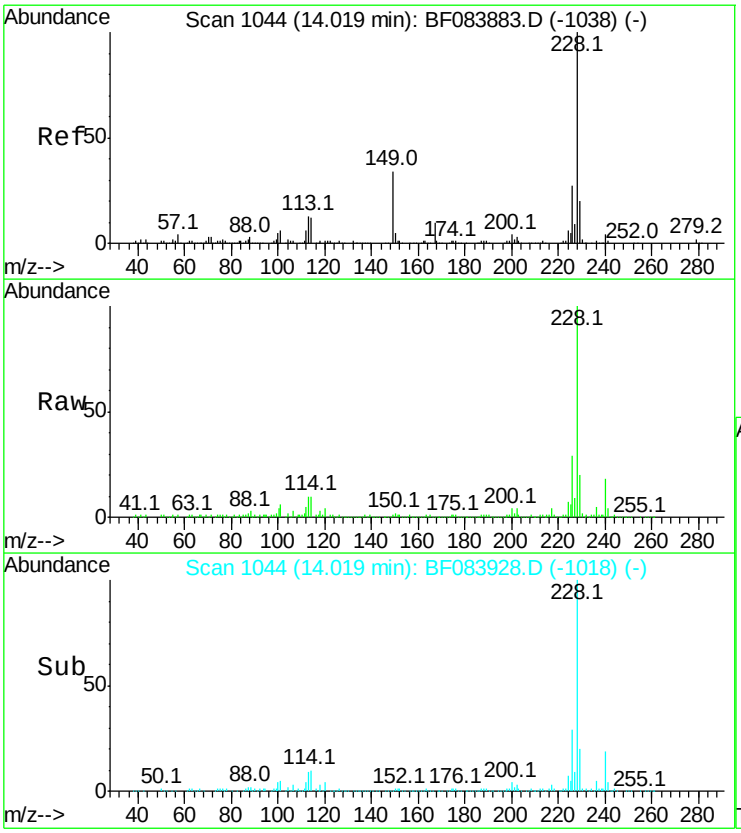
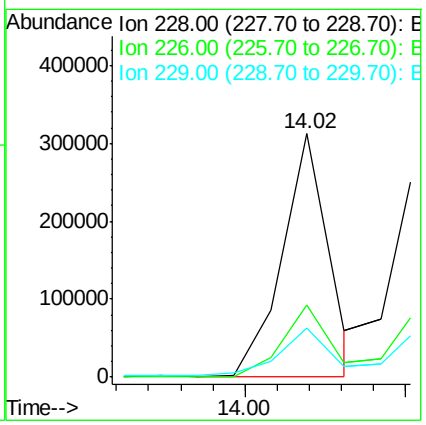
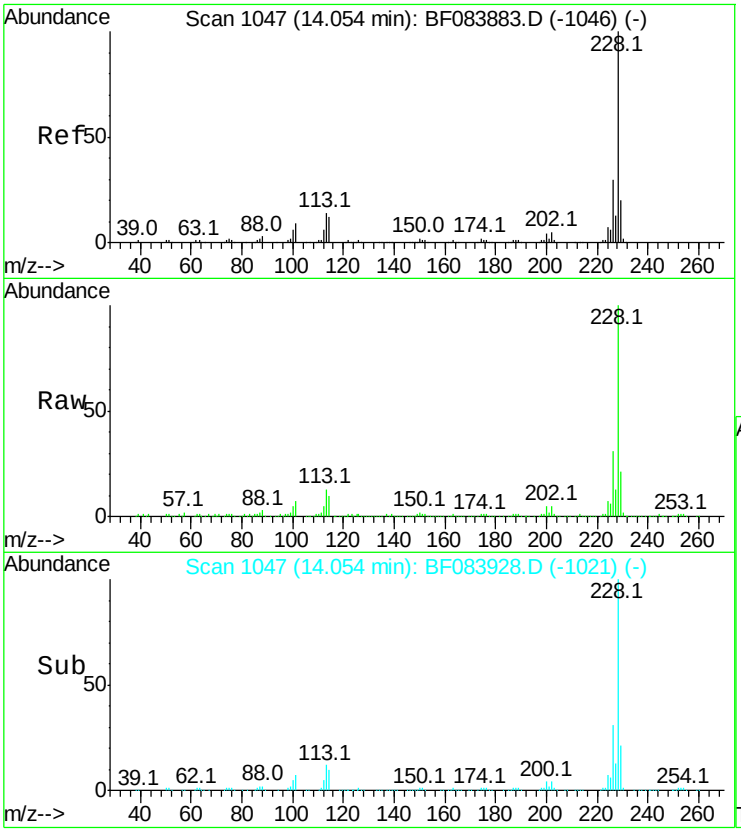


#80
Benzo(a)anthracene
Concen: 24.76 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:228 Resp: 315541

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.8	32.6
229	20.4	15.8	23.8

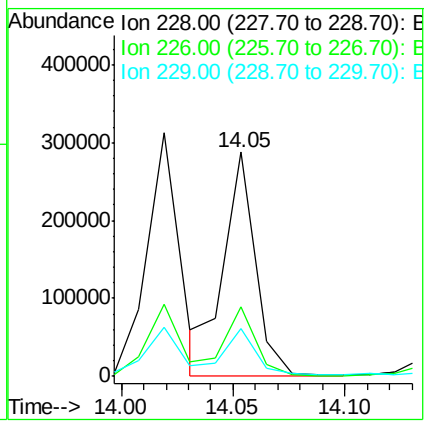




#82
Chrysene
Concen: 23.09 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:228 Resp: 284274

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	21.2	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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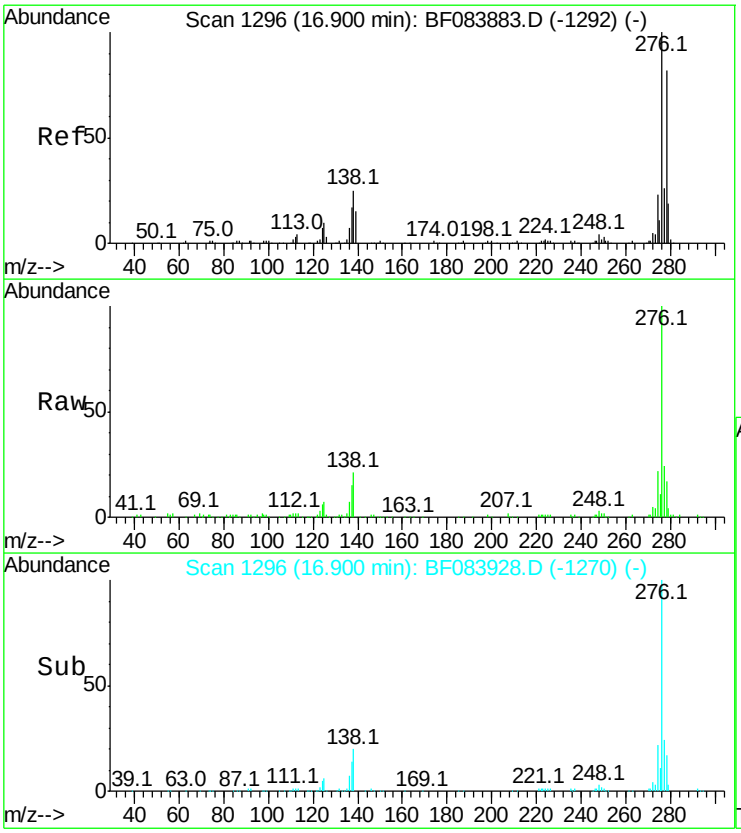
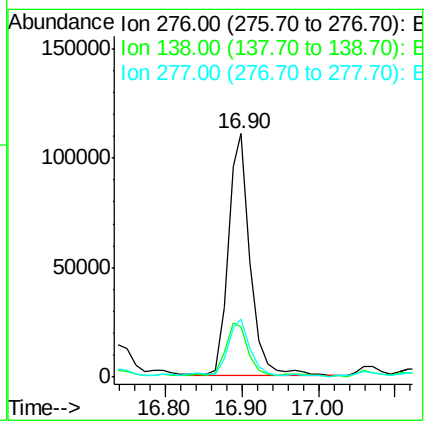
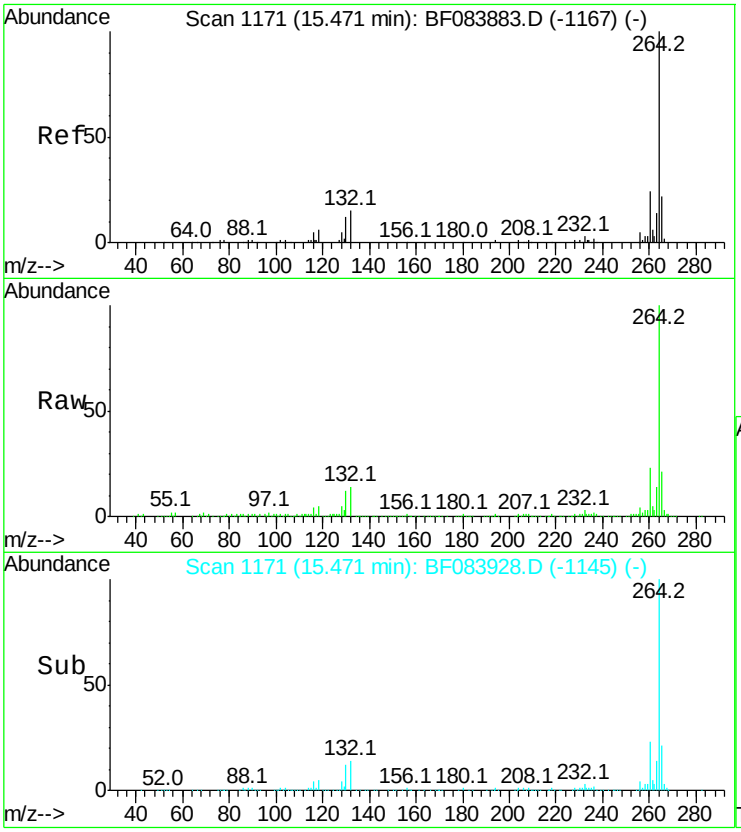


#85
Indeno(1,2,3-cd)pyrene
Concen: 23.92 ng
RT: 16.90 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:276 Resp: 220138

Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.6	30.8
277	23.5	20.1	30.1

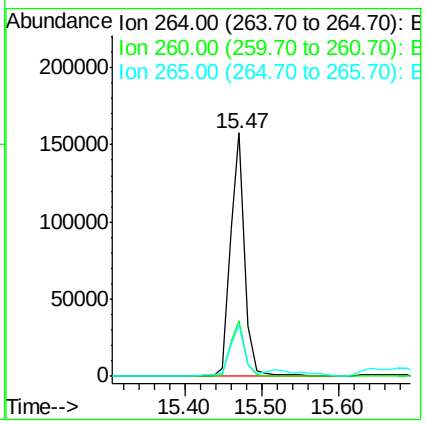




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:264 Resp: 207515

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.4	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
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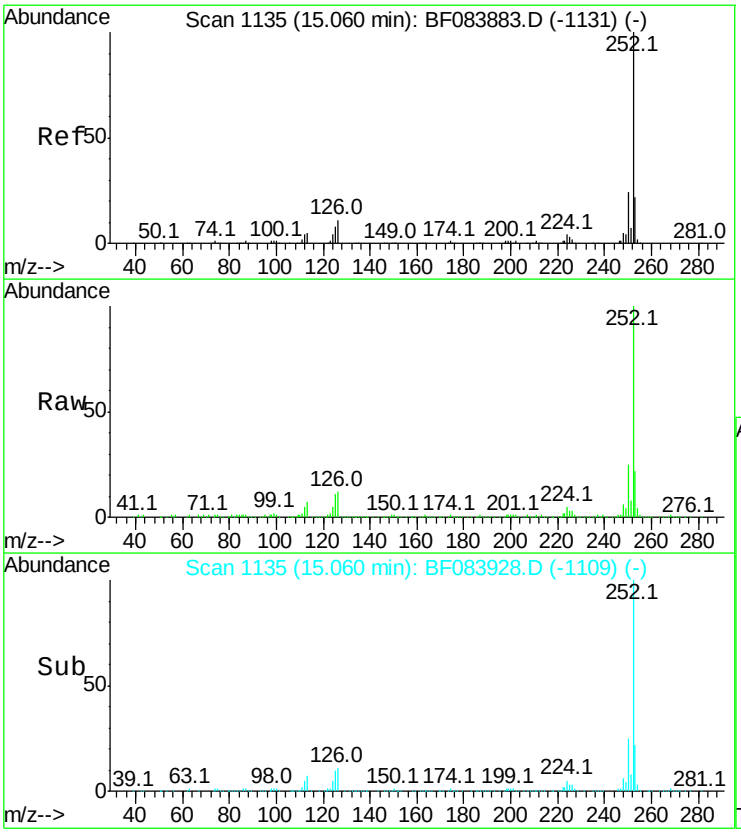
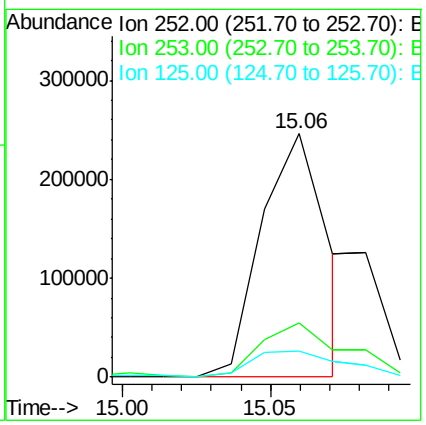
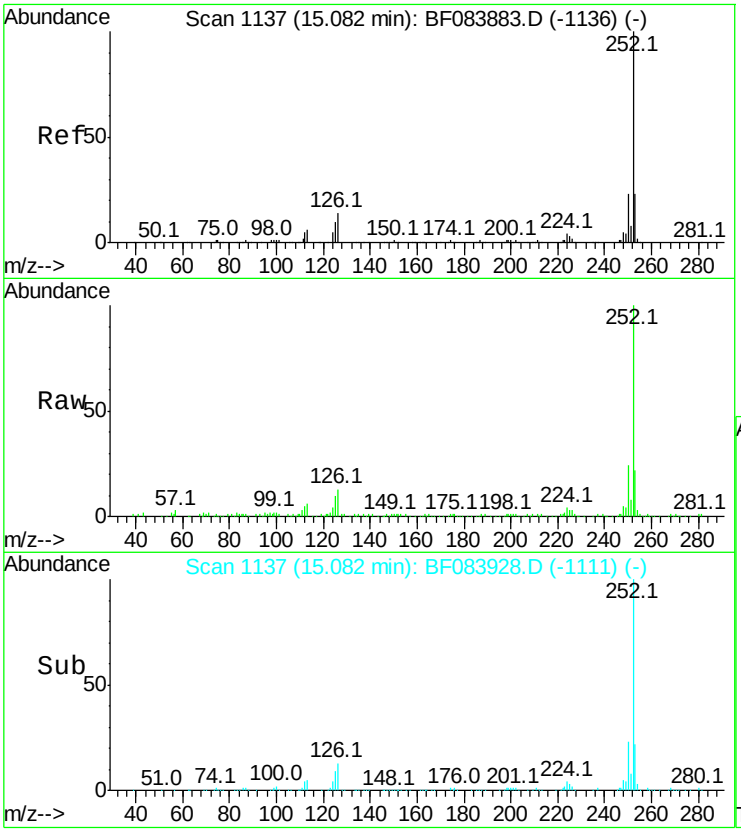


#87
Benzo(b)fluoranthene
Concen: 25.13 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:252 Resp: 380236

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	10.8	6.5	9.7#

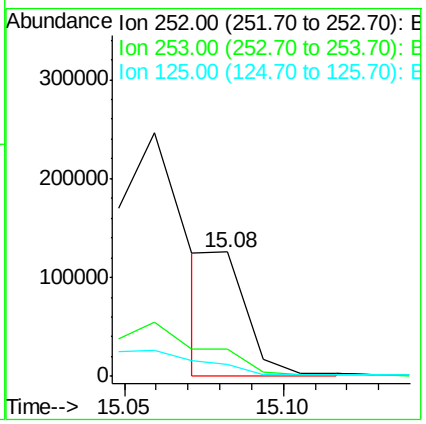




#88
Benzo(k)fluoranthene
Concen: 8.15 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:252 Resp: 101684

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	9.7	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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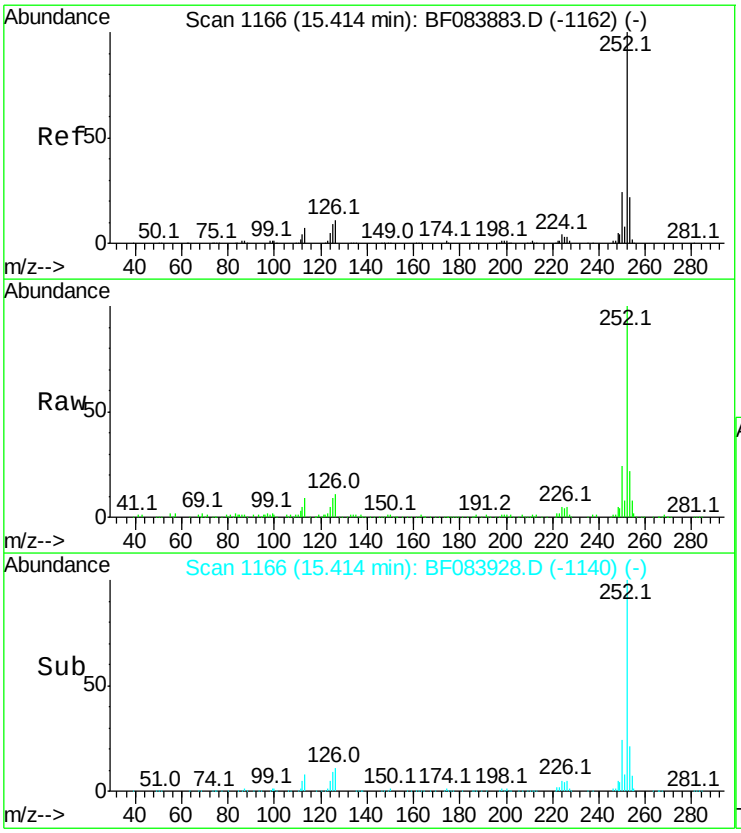
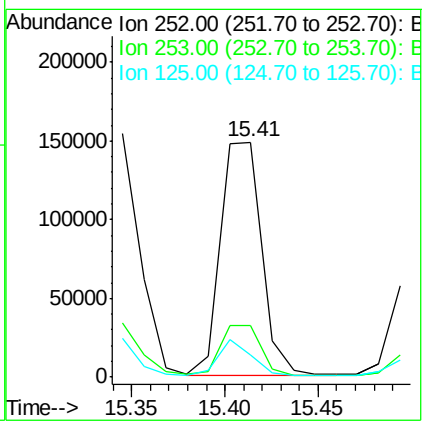
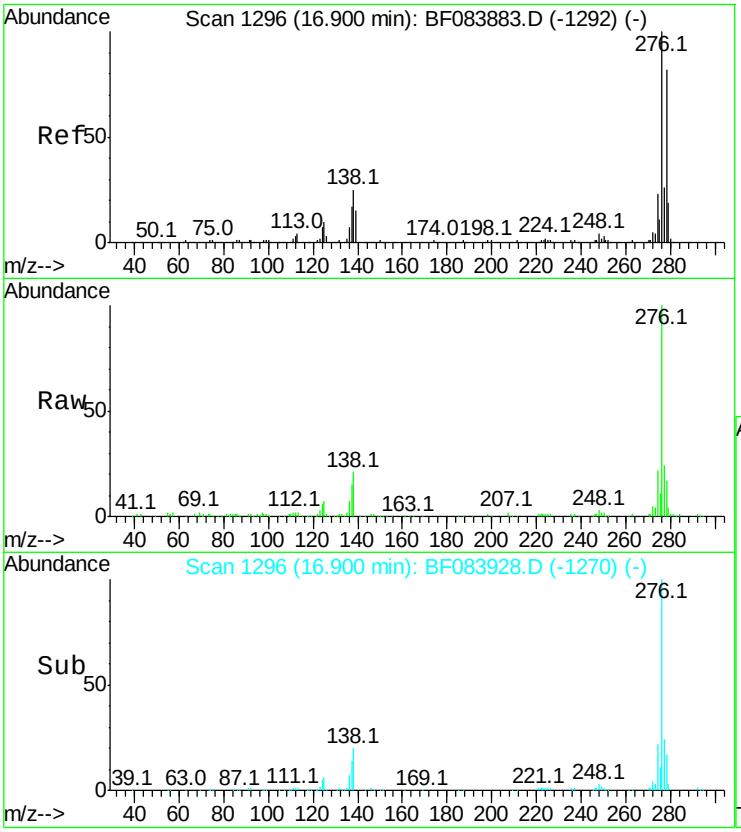


#89
Benzo(a)pyrene
Concen: 18.44 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:252 Resp: 230408

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.5	7.0	10.4

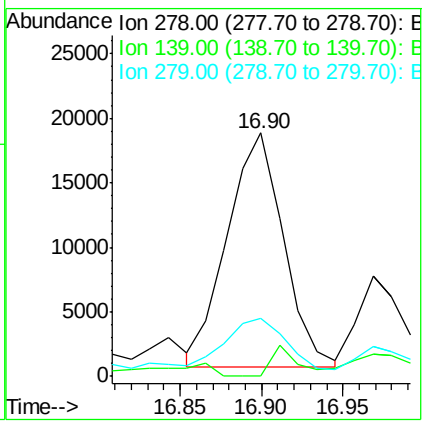




#90
Dibenzo(a,h)anthracene
Concen: 4.51 ng m
RT: 16.90 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:278 Resp: 43843

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.0	22.4#
279	23.8	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
K210-10-15DL

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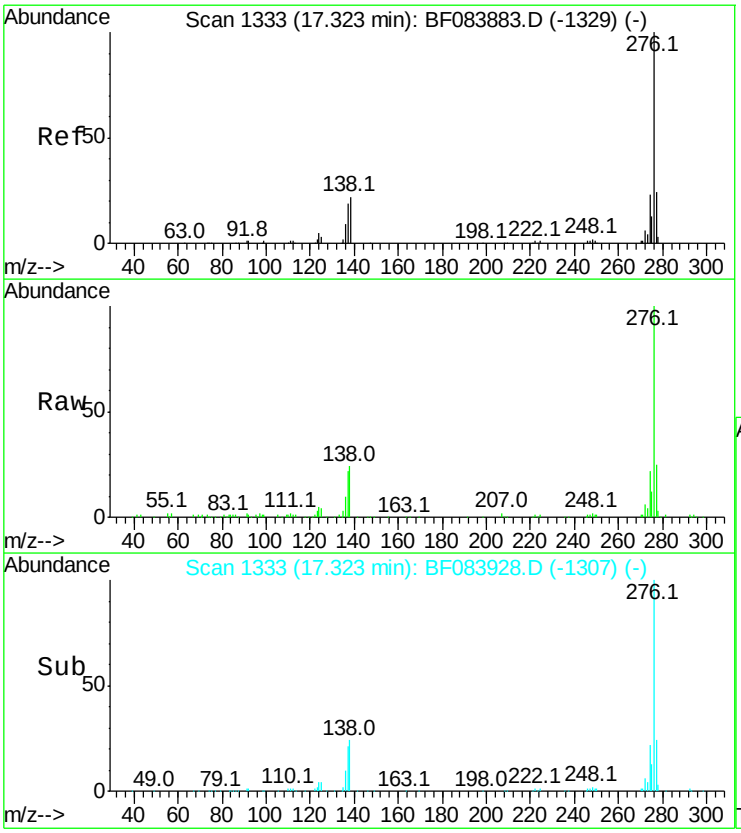

#91
Benzo(g,h,i)perylene
Concen: 23.57 ng
RT: 17.32 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF083928.D
Acq: 18 Dec 2015 22:17

Tgt Ion:276 Resp: 224545

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	24.4	17.8	26.6