Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093190.D
Acq On : 25 Feb 2017 14:00
Operator : SJ/MA
Sample : I1972-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE2-02

Manual Integrations APPROVED
mohammad
2/27/2017 1:09:02 PM

Quant Time: Feb 27 10:24:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	148385	20.00	ng		-0.02
21) Naphthalene-d8	8.12	136	561298	20.00	ng		-0.02
38) Acenaphthene-d10	9.88	164	225083	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	338825	20.00	ng		-0.01
75) Chrysene-d12	14.01	240	312456	20.00	ng		-0.01
86) Perylene-d12	15.45	264	240672	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	1126294	130.22	ng		-0.01
7) Phenol-d6	6.49	99	1620054	145.58	ng		0.00
23) Nitrobenzene-d5	7.41	82	1038477	103.03	ng		-0.01
41) 2,4,6-Tribromophenol	10.67	330	183649	112.81	ng		-0.01
44) 2-Fluorobiphenyl	9.21	172	1434771	115.48	ng		-0.01
78) Terphenyl-d14	12.96	244	903629	67.95	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.50	94	65185	5.01	ng	#	65
31) Naphthalene	8.14	128	138938	4.88	ng		99
37) 2-Methylnaphthalene	8.83	142	78898	4.32	ng		98
48) Acenaphthylene	9.73	152	48659	2.21	ng		97
49) Dimethylphthalate	9.60	163	134443	8.87	ng		99
54) Dibenzofuran	10.08	168	41006	2.33	ng	#	95
70) Phenanthrene	11.39	178	409882	21.11	ng		97
71) Anthracene	11.44	178	106171	5.45	ng		99
72) Carbazole	11.60	167	39010	2.09	ng		99
74) Fluoranthene	12.58	202	587186	29.33	ng		97
77) Pyrene	12.81	202	564640	24.15	ng		99
80) Benzo(a)anthracene	14.00	228	362409	18.96	ng		97
82) Chrysene	14.03	228	245352	13.71	ng		97
85) Indeno(1,2,3-cd)pyrene	16.85	276	101312	7.31	ng		96
87) Benzo(b)fluoranthene	15.04	252	344331m	21.74	ng		
88) Benzo(k)fluoranthene	15.06	252	105536m	7.72	ng		
89) Benzo(a)pyrene	15.38	252	203427	14.85	ng	#	95
90) Dibenzo(a,h)anthracene	16.85	278	29068m	2.62	ng		
91) Benzo(g,h,i)perylene	17.28	276	95481	8.53	ng	#	90

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

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Manual Integrations APPROVED
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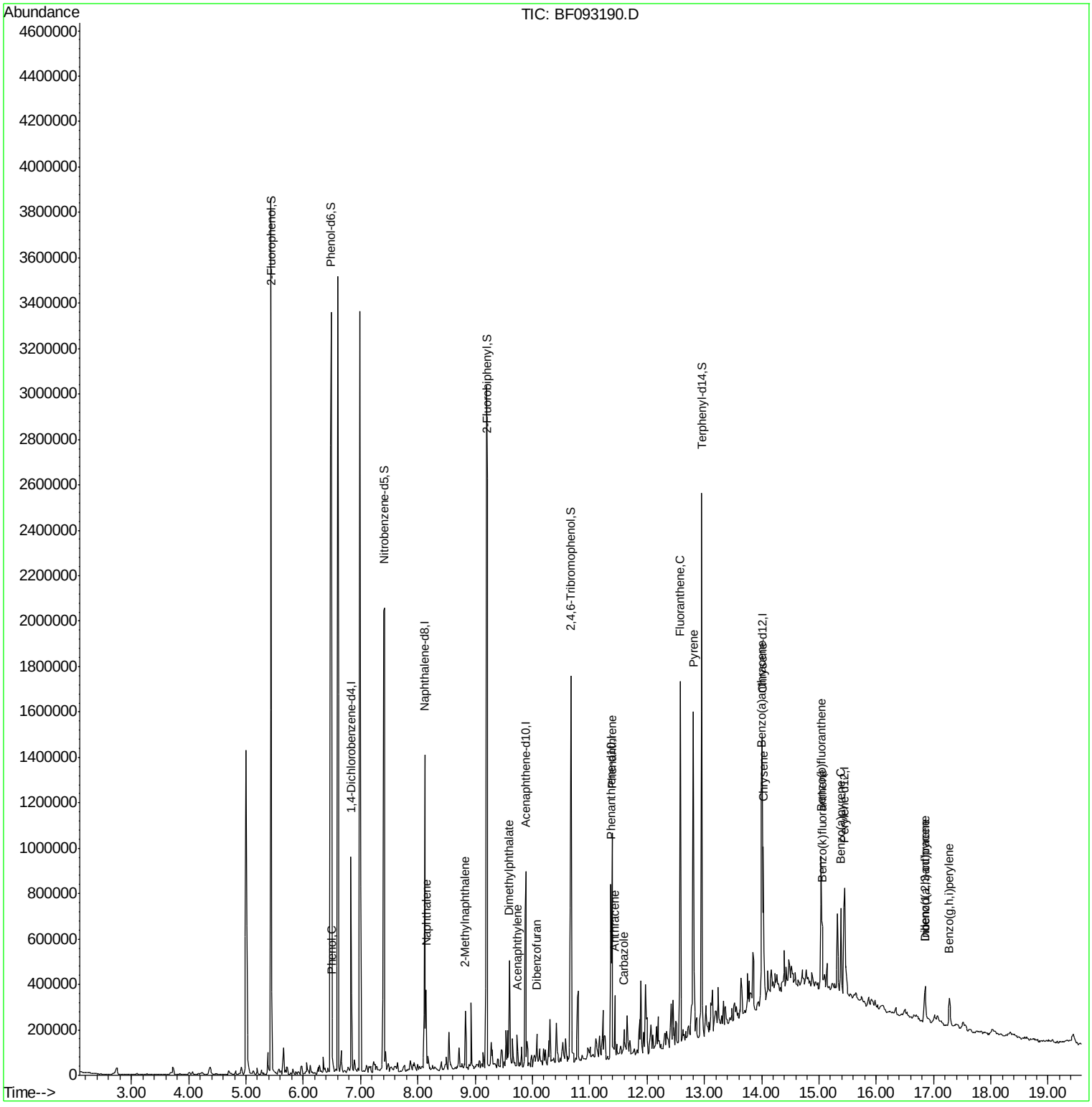
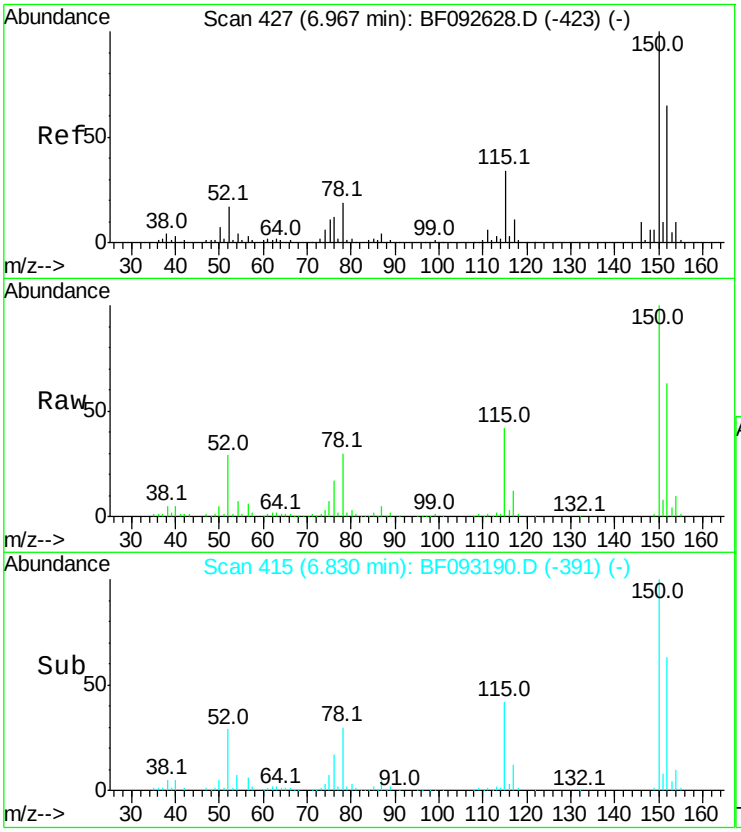
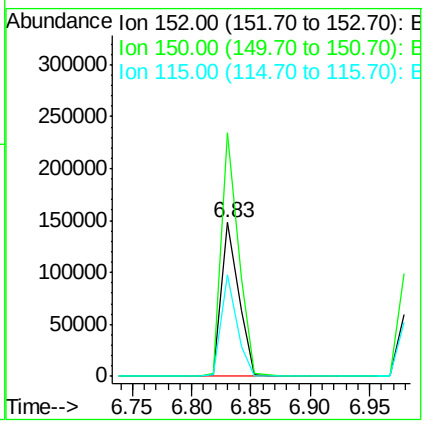




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:152 Resp: 148385

Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.9	187.3
115	66.0	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

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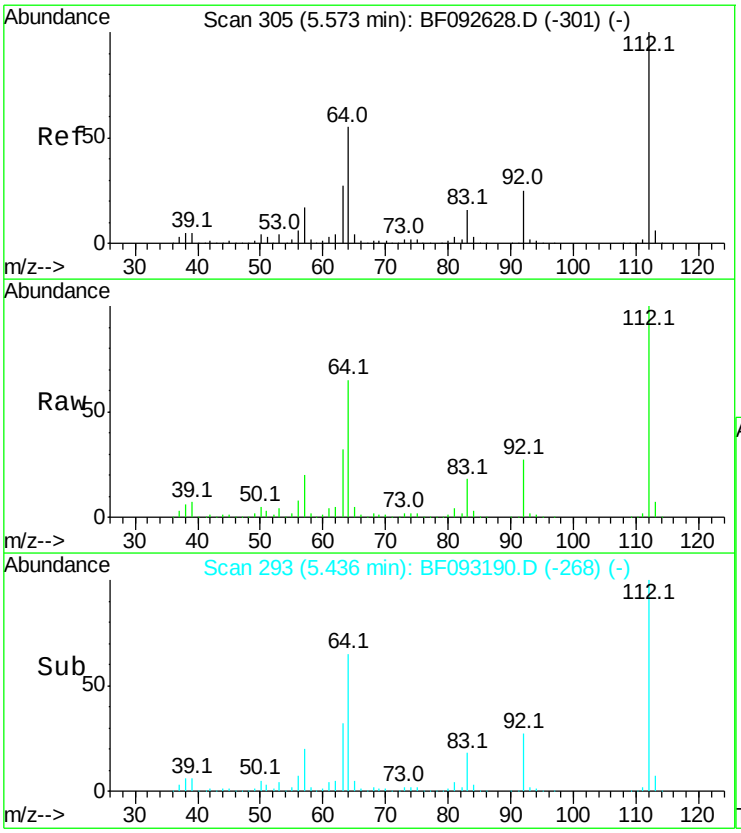
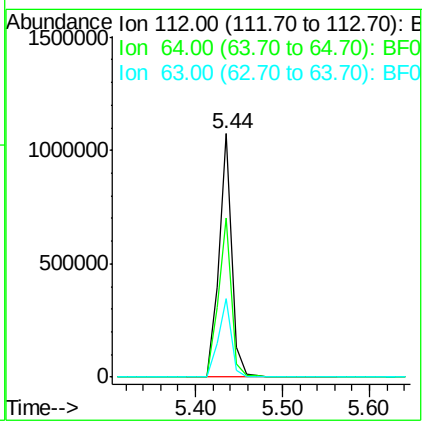
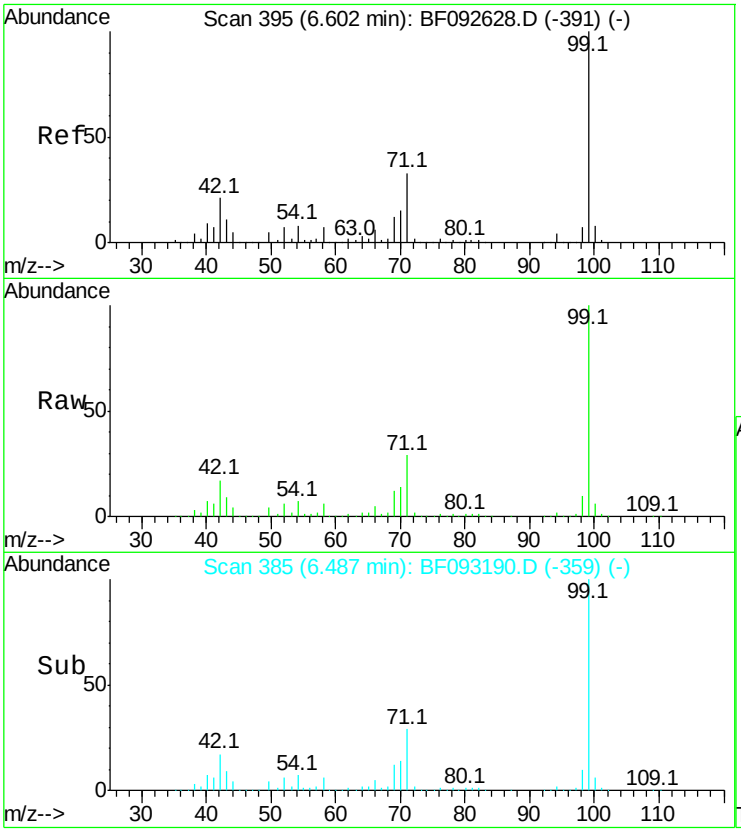


#5
2-Fluorophenol
Concen: 130.22 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:112 Resp: 1126294

Ion	Ratio	Lower	Upper
112	100		
64	65.3	46.1	69.1
63	32.2	23.8	35.6

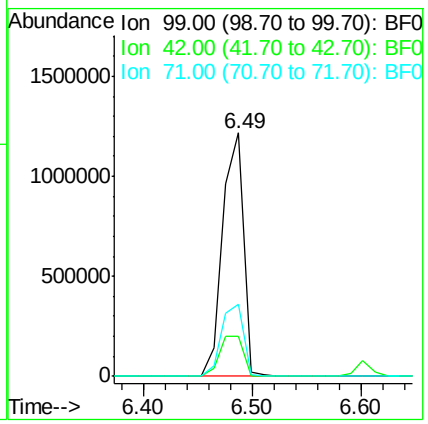




#7
Phenol-d6
Concen: 145.58 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion: 99 Resp: 1620054

Ion	Ratio	Lower	Upper
99	100		
42	16.5	15.6	23.4
71	29.5	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

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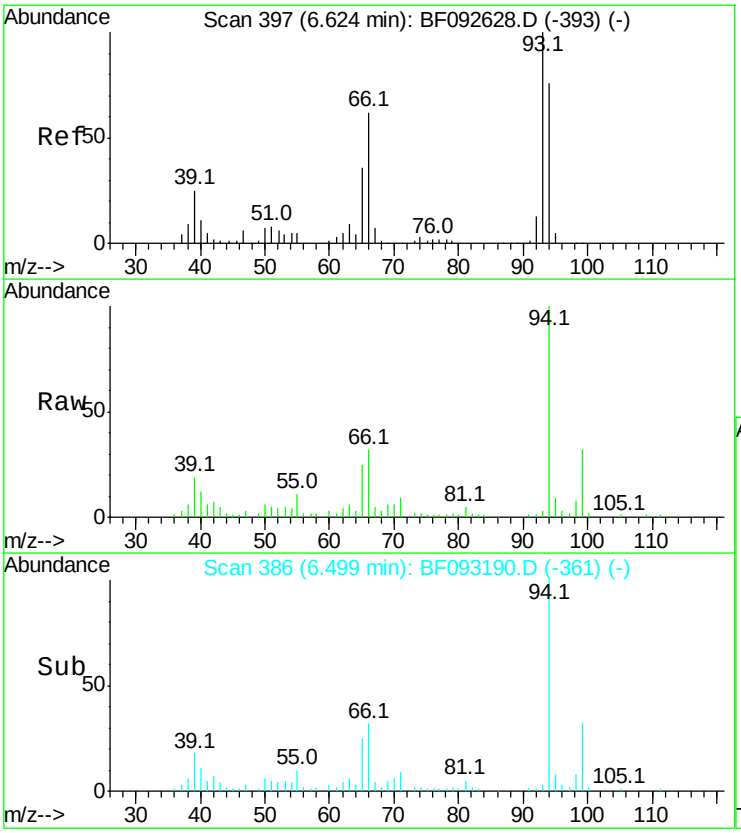
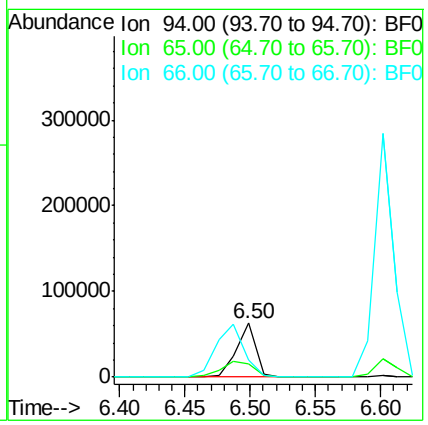
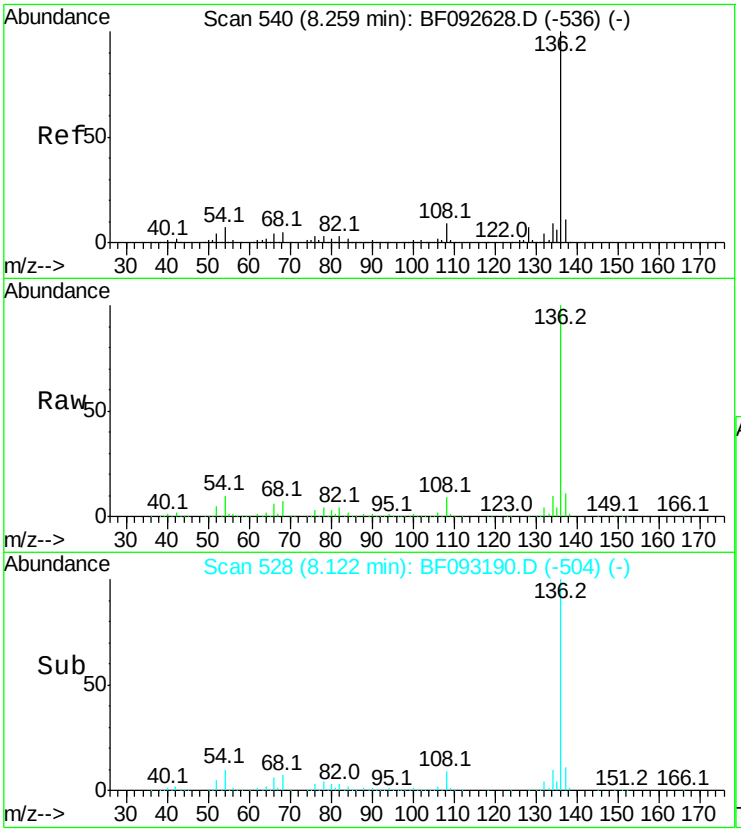


#10
Phenol
Concen: 5.01 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion: 94 Resp: 65185

Ion	Ratio	Lower	Upper
94	100		
65	25.0	21.4	61.4
66	32.5	44.0	84.0#

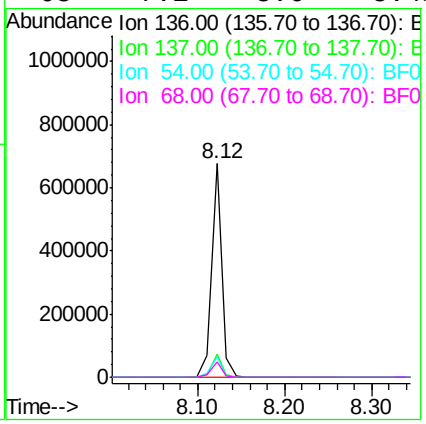




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:136 Resp: 561298

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.7	4.5	6.7#
68	7.1	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

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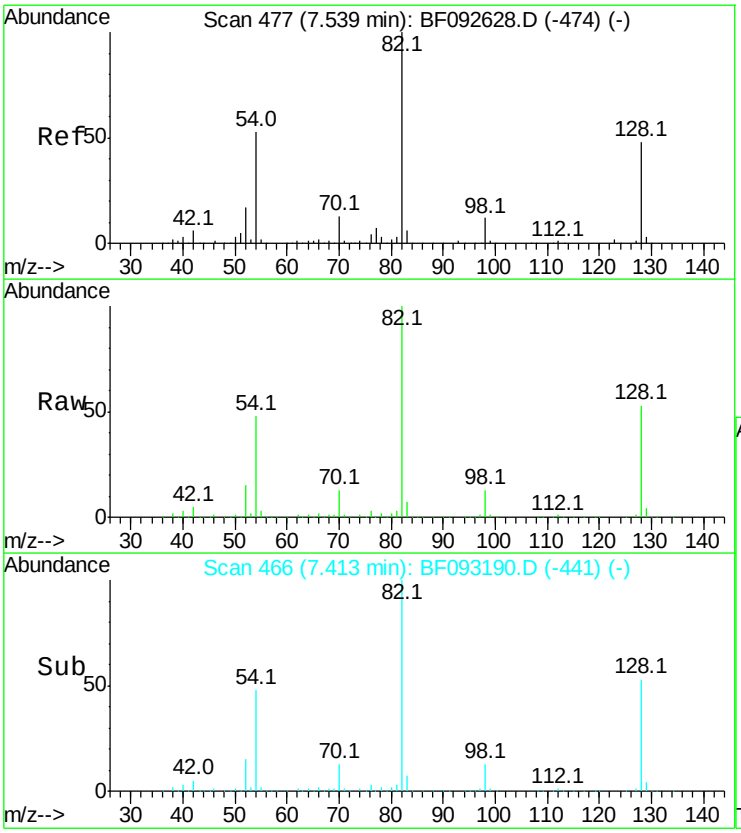
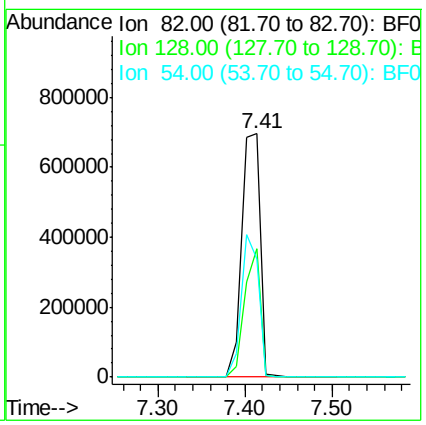
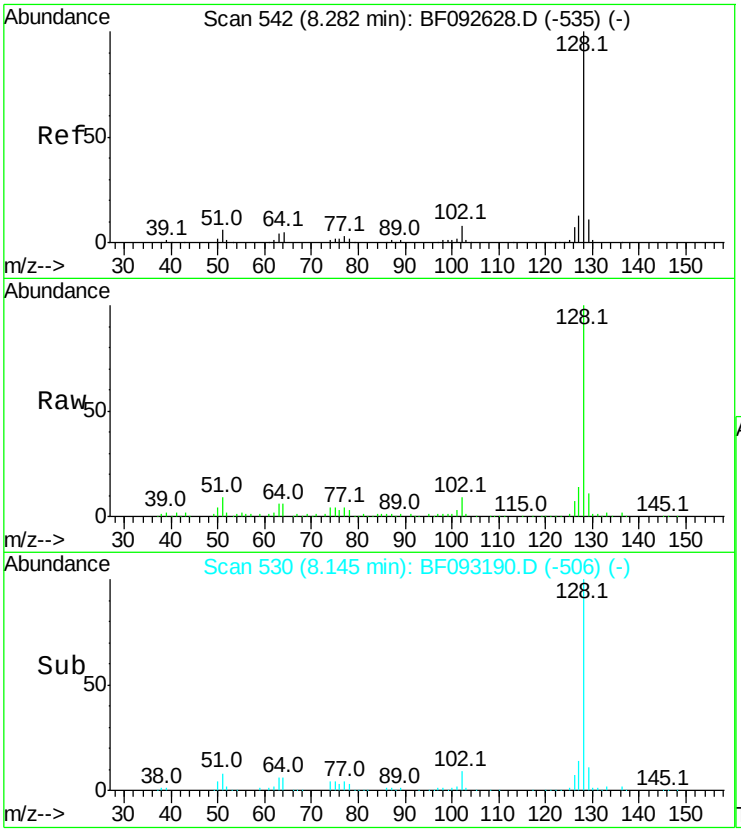


#23
Nitrobenzene-d5
Concen: 103.03 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion: 82 Resp: 1038477

Ion	Ratio	Lower	Upper
82	100		
128	53.0	34.6	52.0#
54	48.4	39.5	59.3

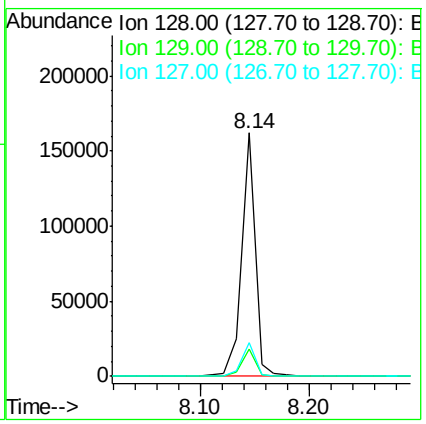




#31
Naphthalene
Concen: 4.88 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:128 Resp: 138938

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

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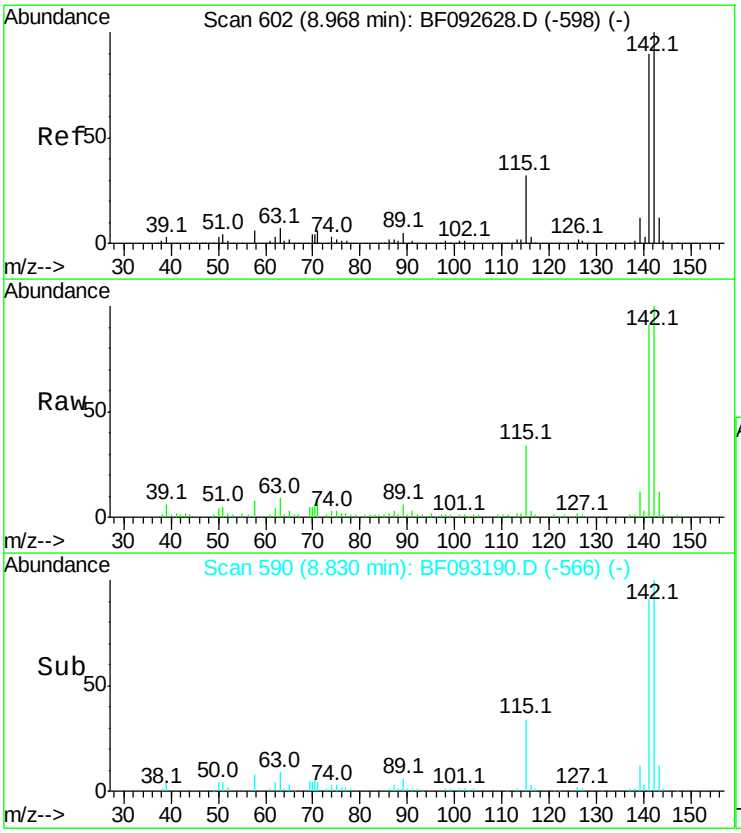
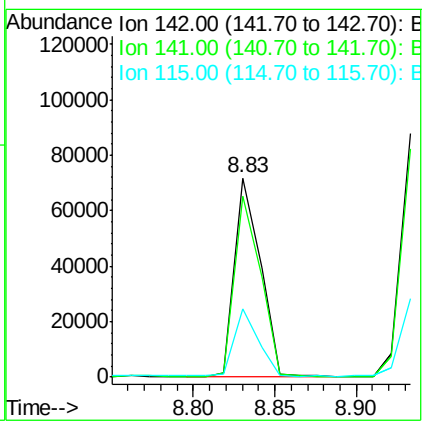
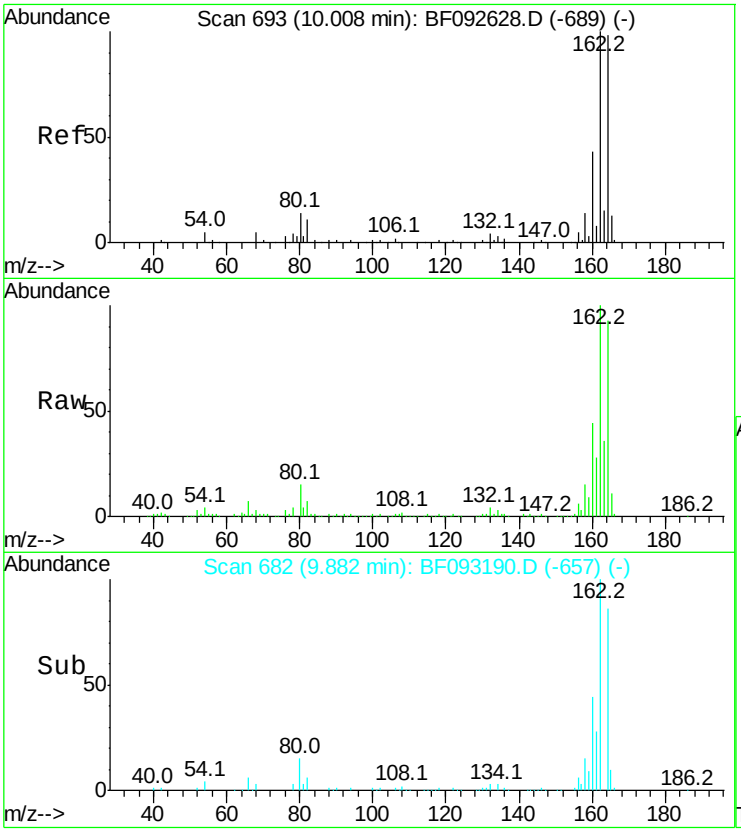


#37
2-Methylnaphthalene
Concen: 4.32 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:142 Resp: 78898

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.0	106.6
115	34.4	28.3	42.5

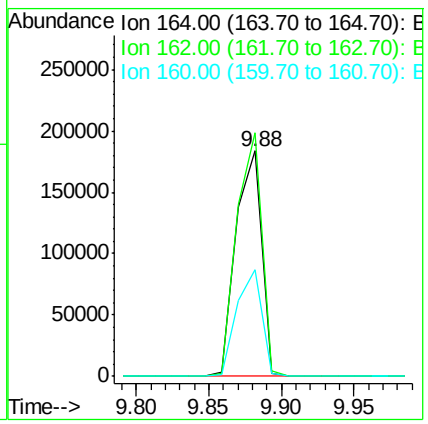




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:164 Resp: 225083

Ion	Ratio	Lower	Upper
164	100		
162	108.0	80.2	120.2
160	47.2	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

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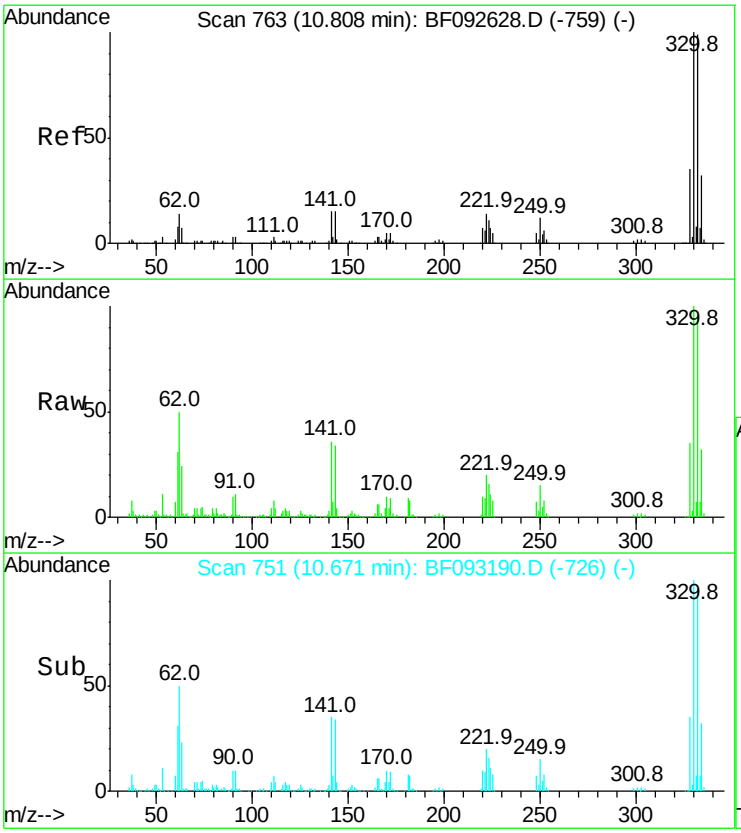
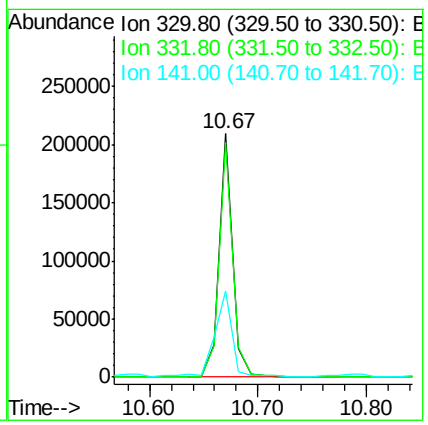
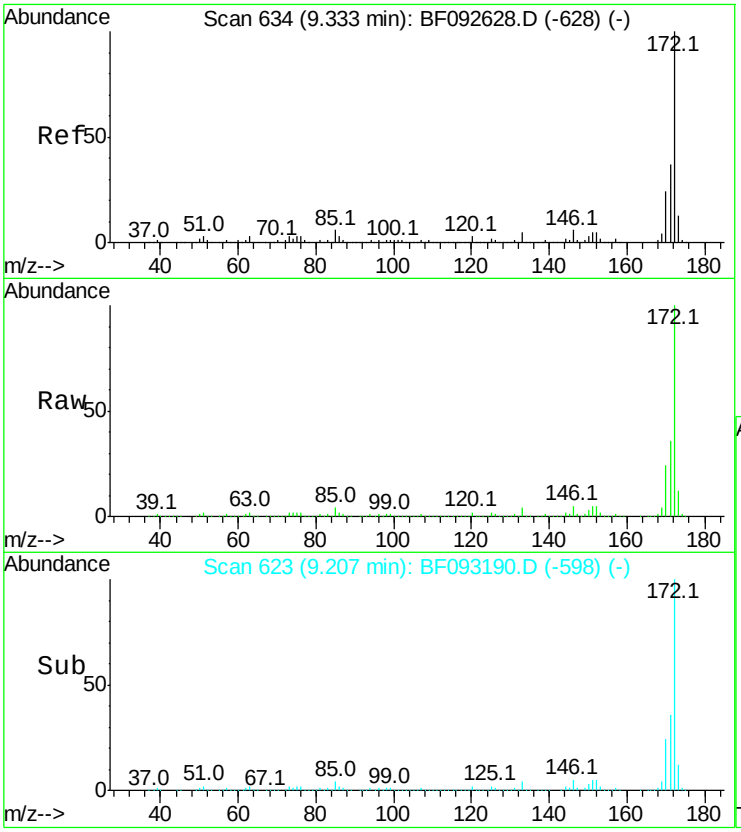


#41
2,4,6-Tribromophenol
Concen: 112.81 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:330 Resp: 183649

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	45.2	34.1	51.1

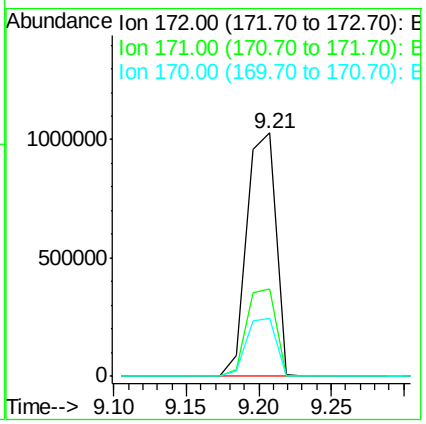




#44
2-Fluorobiphenyl
Concen: 115.48 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:172 Resp: 1434771

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.0	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

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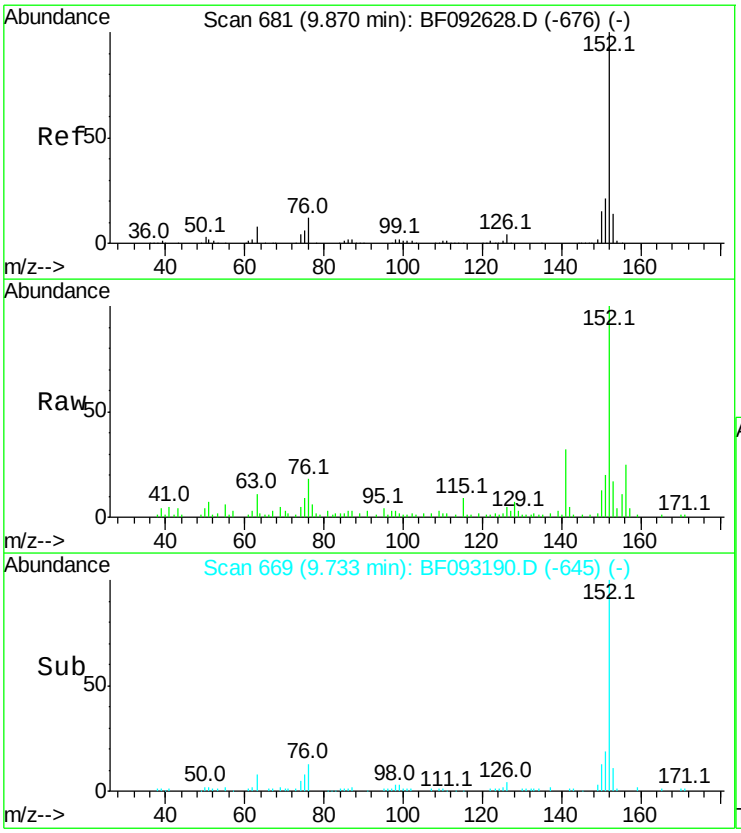
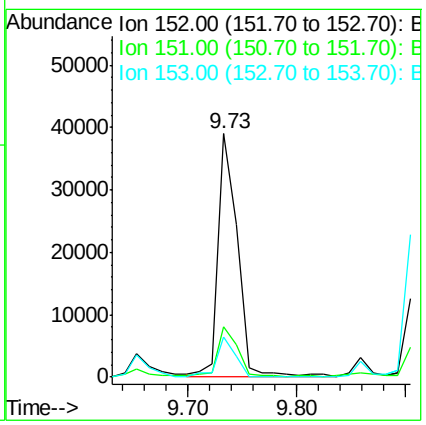
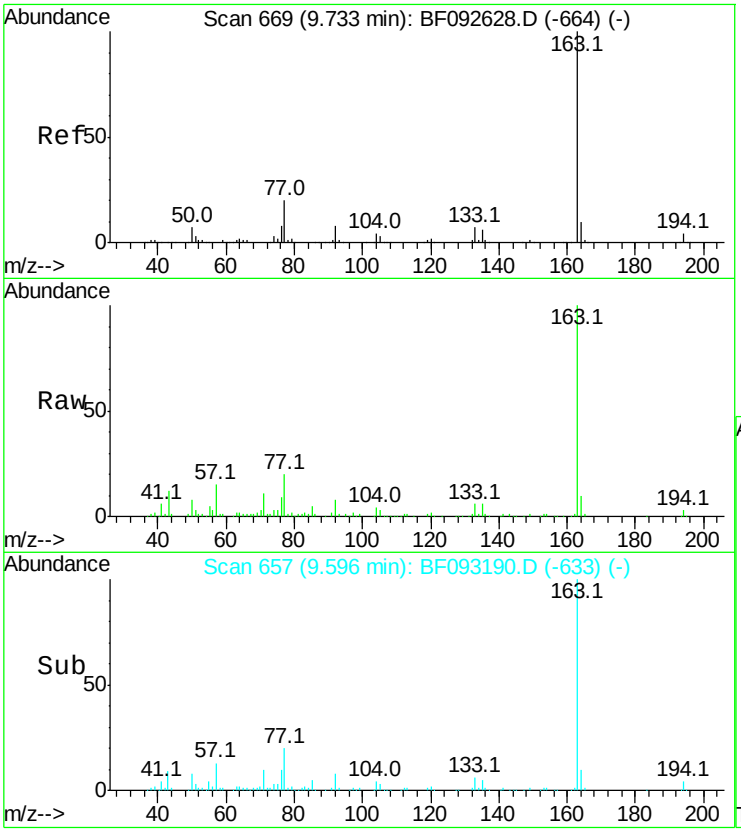


#48
Acenaphthylene
Concen: 2.21 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:152 Resp: 48659

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	16.6	11.4	17.2

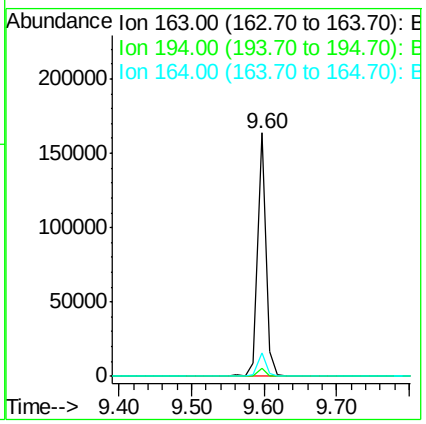




#49
Dimethylphthalate
Concen: 8.87 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:163 Resp: 134443

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.5	8.0	12.0



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Manual Integrations APPROVED
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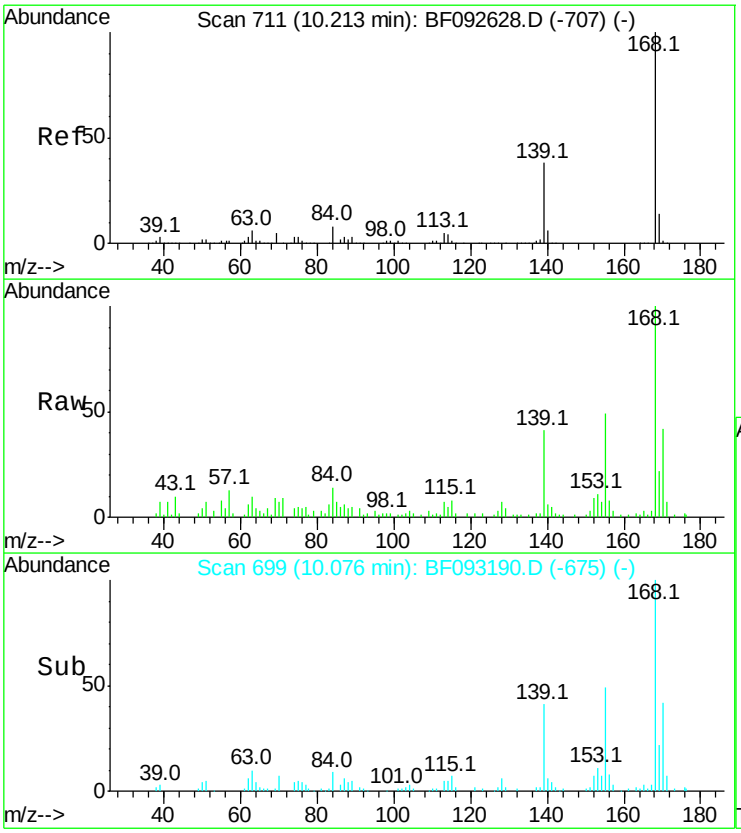
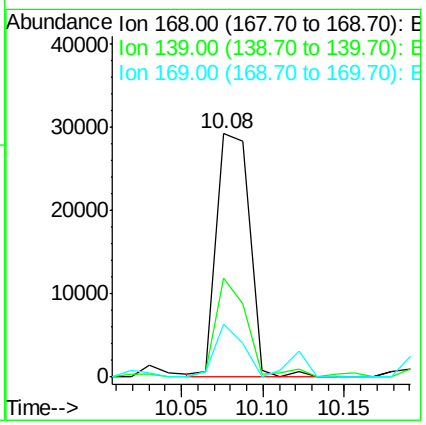
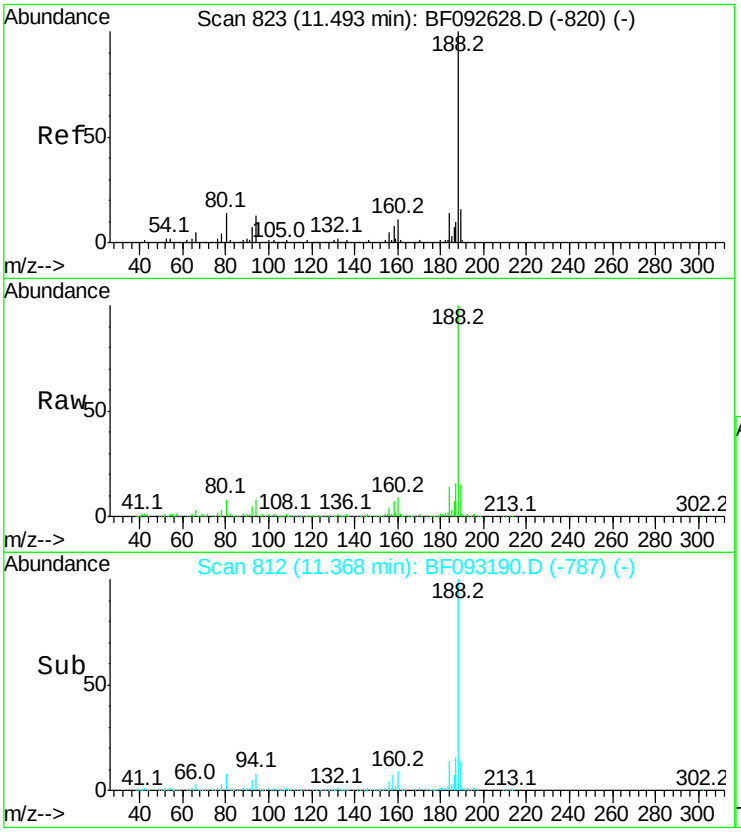


#54
Dibenzofuran
Concen: 2.33 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:168 Resp: 41006

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.6	49.0
169	21.6	11.3	16.9#

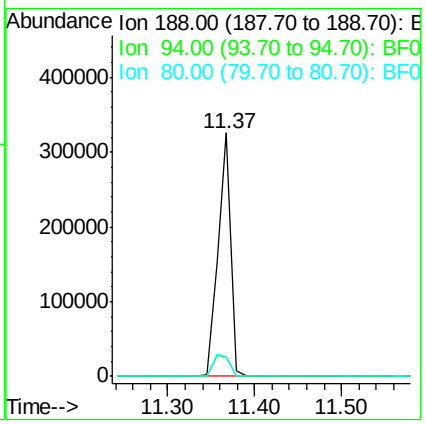




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:188 Resp: 338825

Ion	Ratio	Lower	Upper
188	100		
94	8.0	10.0	15.0#
80	8.1	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE2-02

Manual Integrations APPROVED
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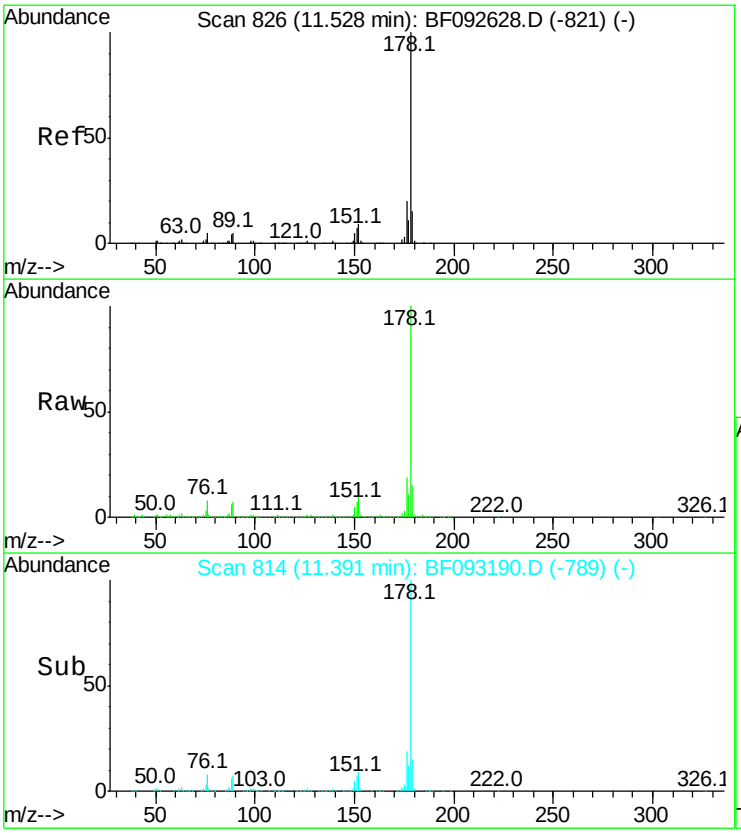
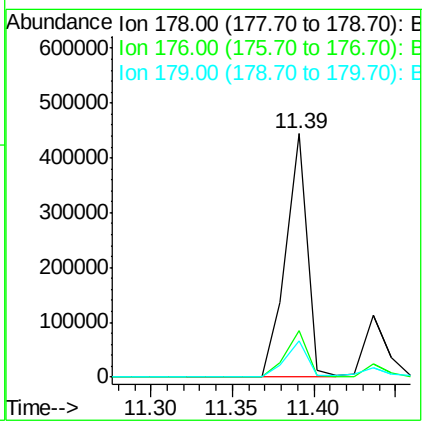
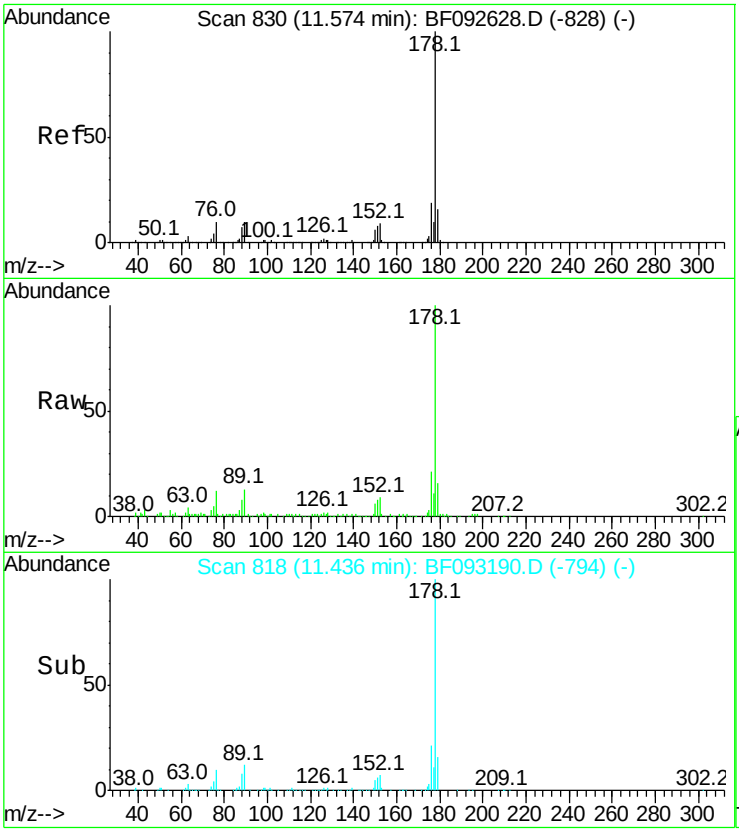


#70
Phenanthrene
Concen: 21.11 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:178 Resp: 409882

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	15.0	12.8	19.2

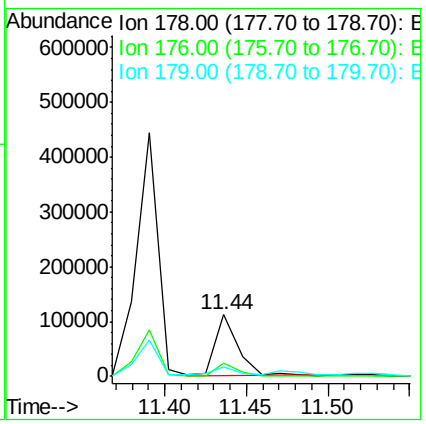




#71
Anthracene
Concen: 5.45 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:178 Resp: 106171

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.9	23.9
179	16.2	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
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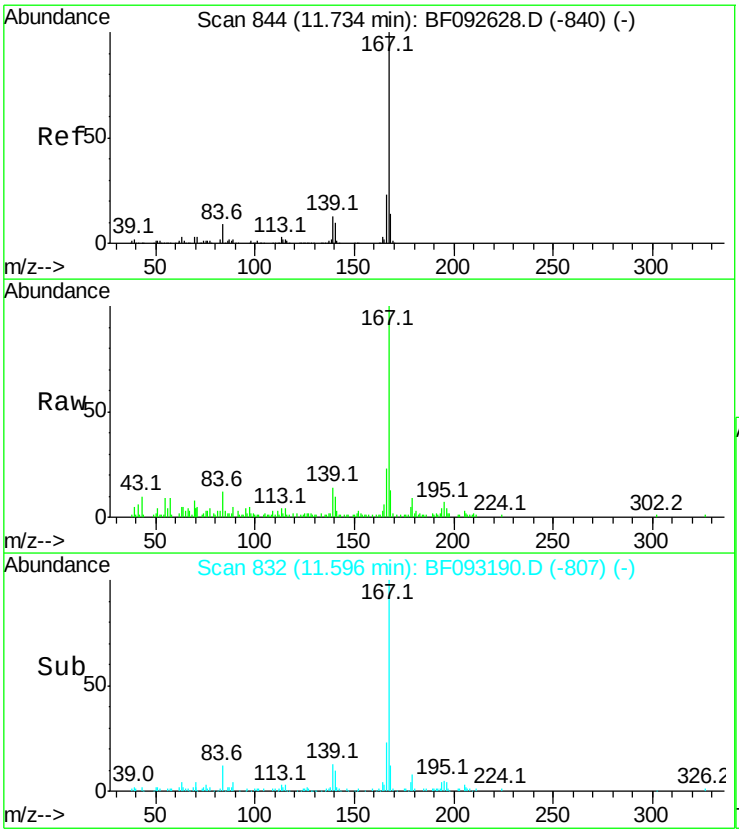
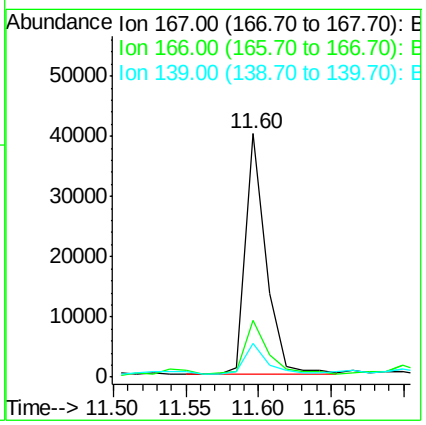
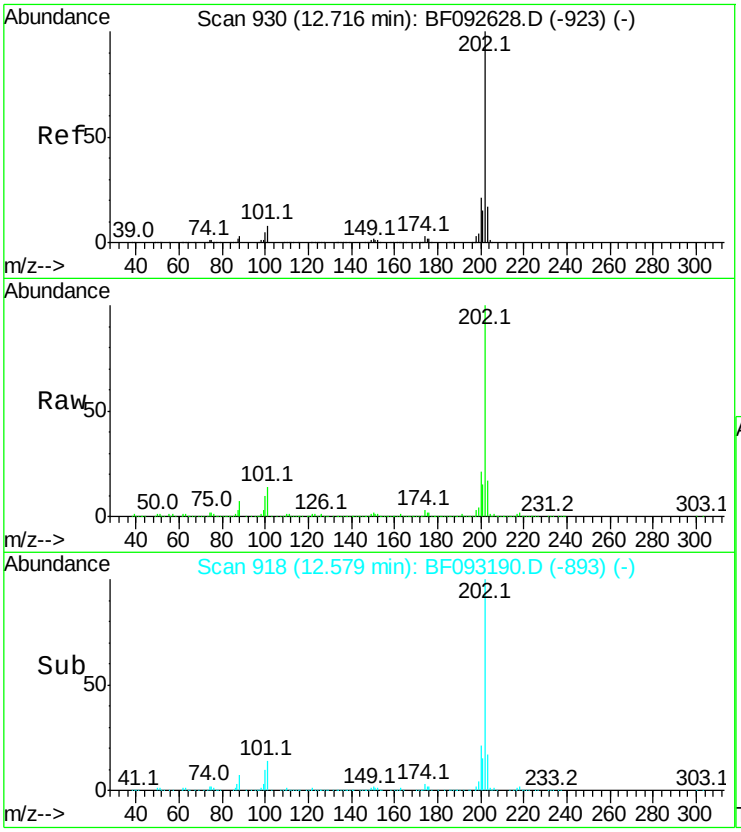


#72
Carbazole
Concen: 2.09 ng
RT: 11.60 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:167 Resp: 39010

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.2	27.2
139	13.8	11.4	17.2

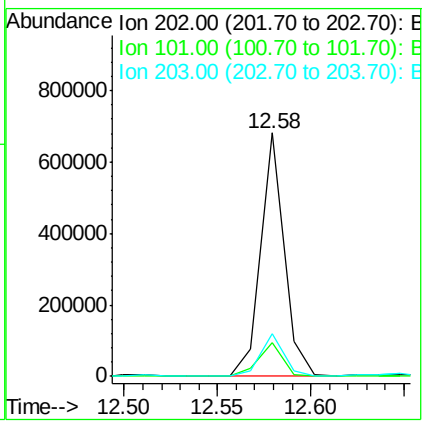




#74
Fluoranthene
Concen: 29.33 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:202 Resp: 587186

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.6
203	17.4	0.0	38.7



Instrument :
BNA_F
ClientSampleId :
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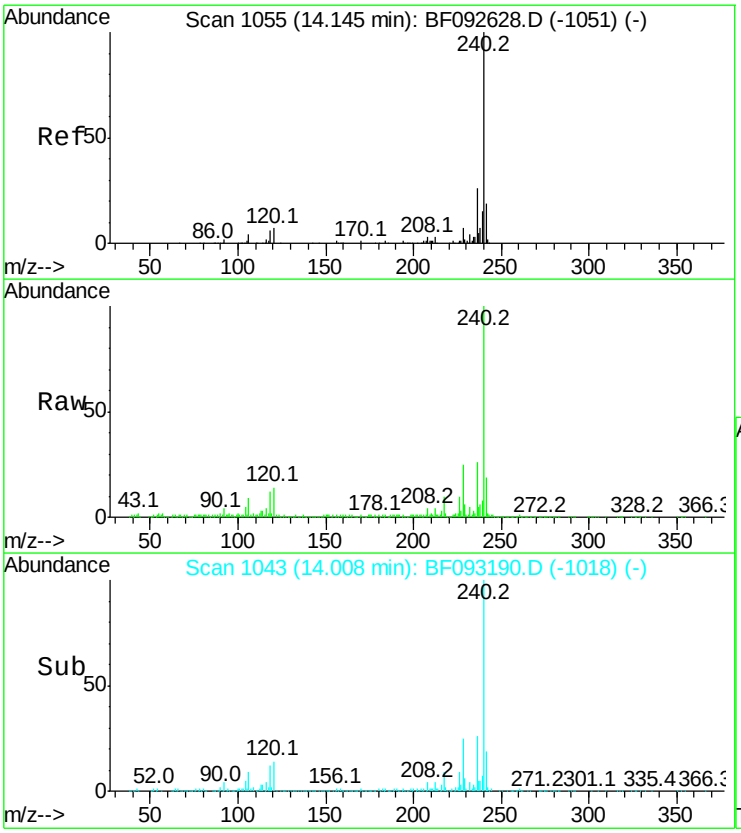
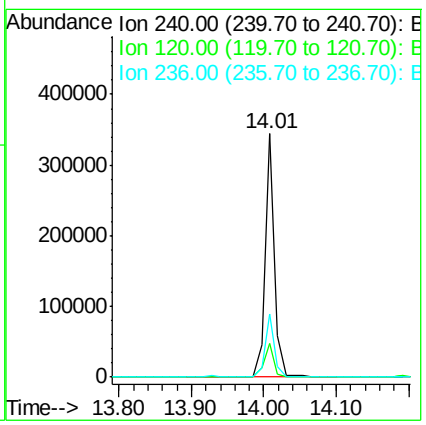
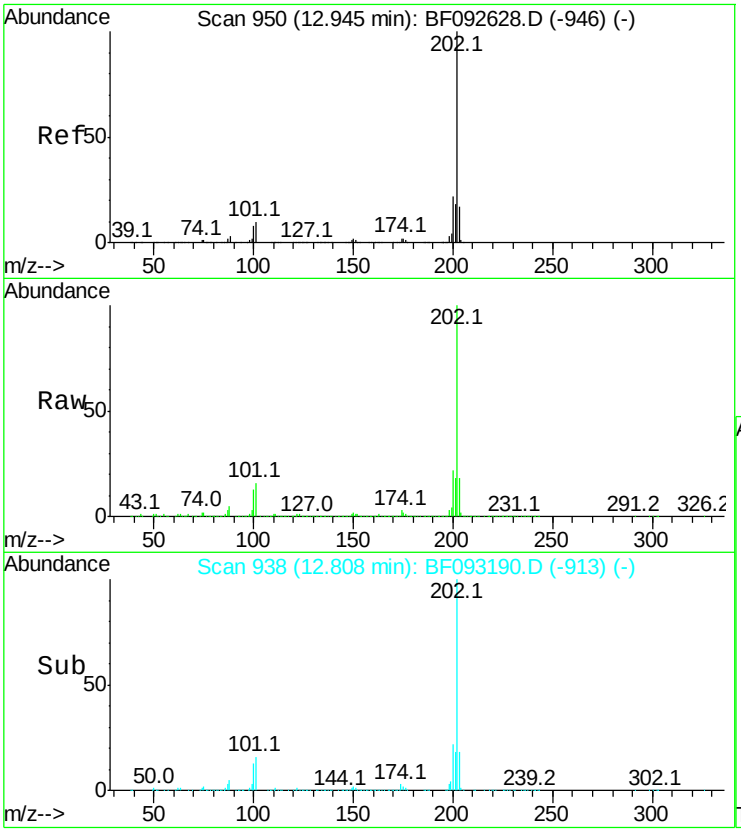


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:240 Resp: 312456

Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.9	19.3
236	25.9	20.9	31.3

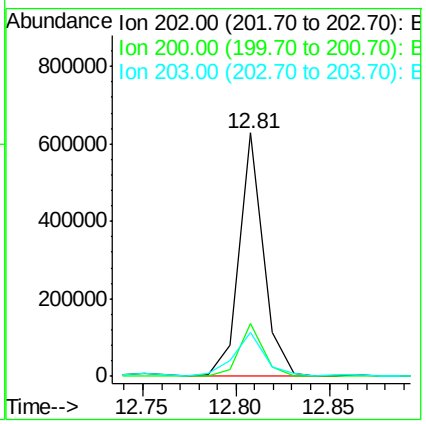




#77
Pyrene
Concen: 24.15 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:202 Resp: 564640

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	18.1	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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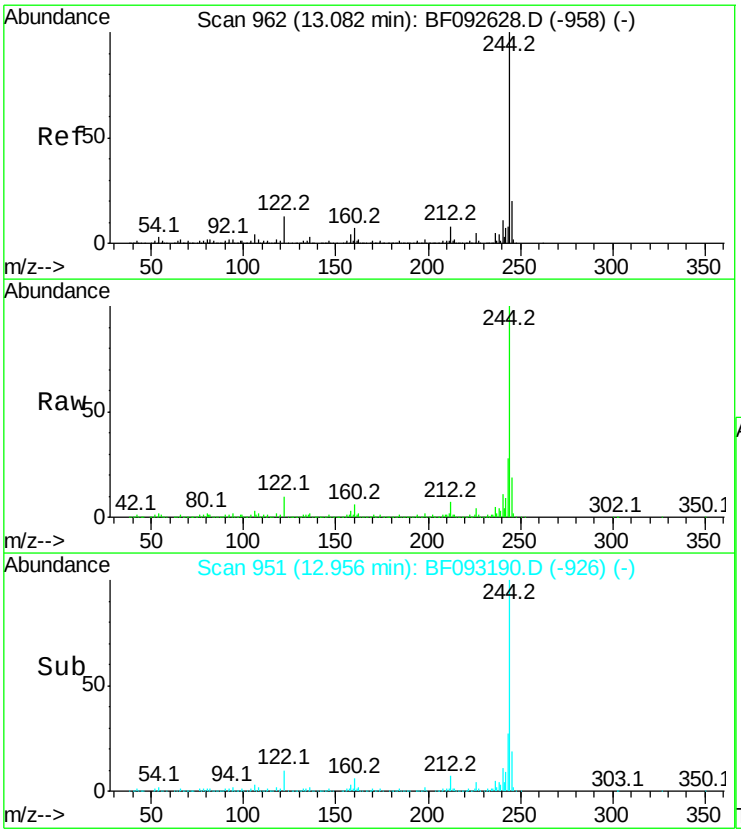
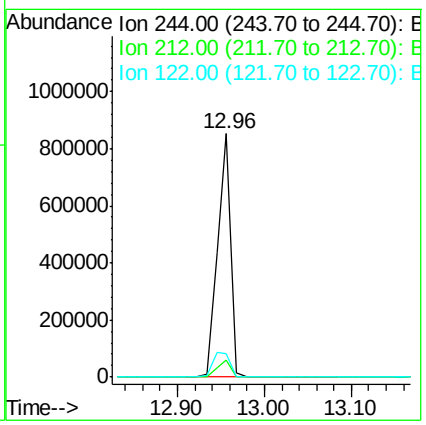
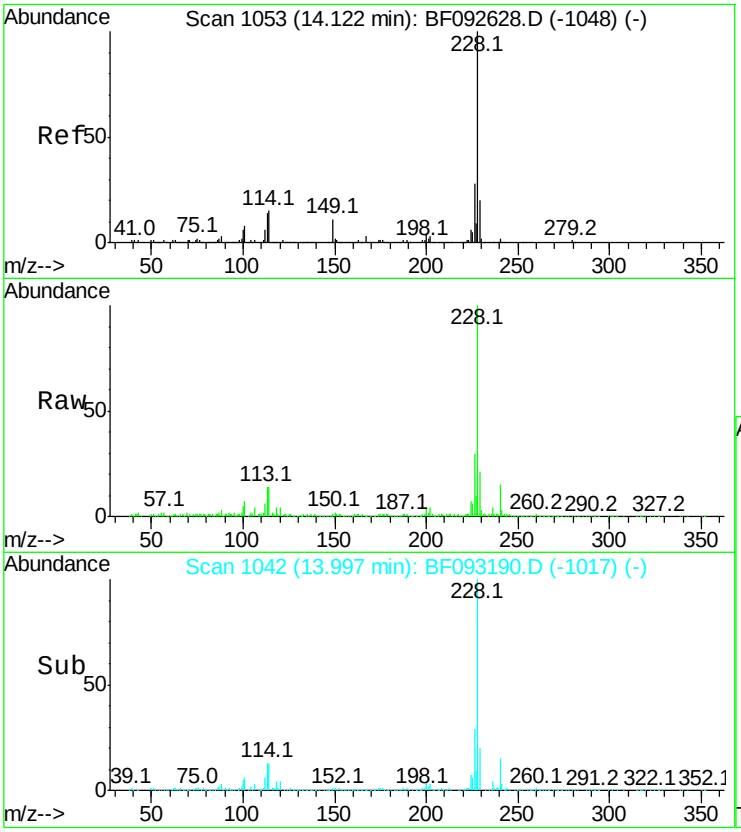


#78
Terphenyl-d14
Concen: 67.95 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:244 Resp: 903629

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	9.6	11.4	17.2#

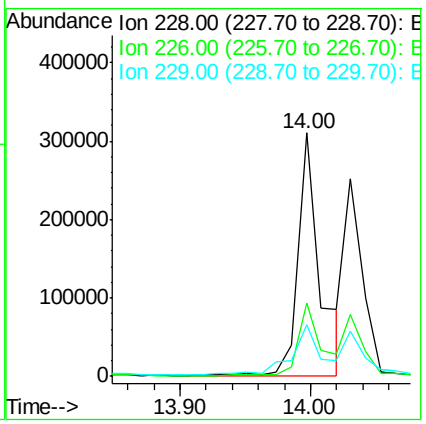




#80
Benzo(a)anthracene
Concen: 18.96 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:228 Resp: 362409

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.4	33.6
229	21.2	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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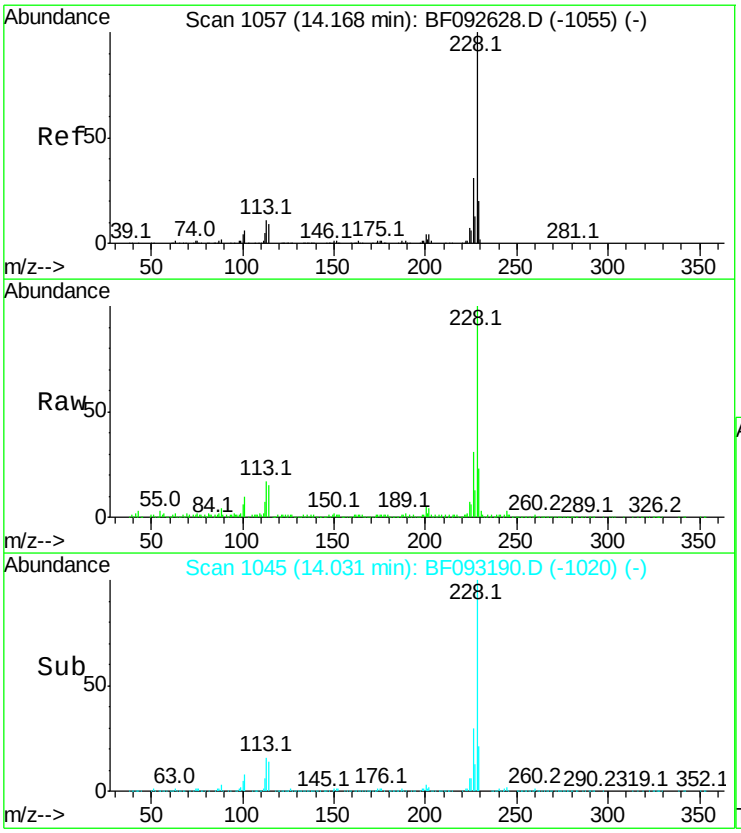
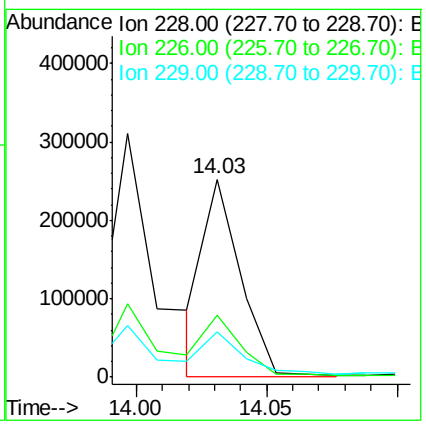
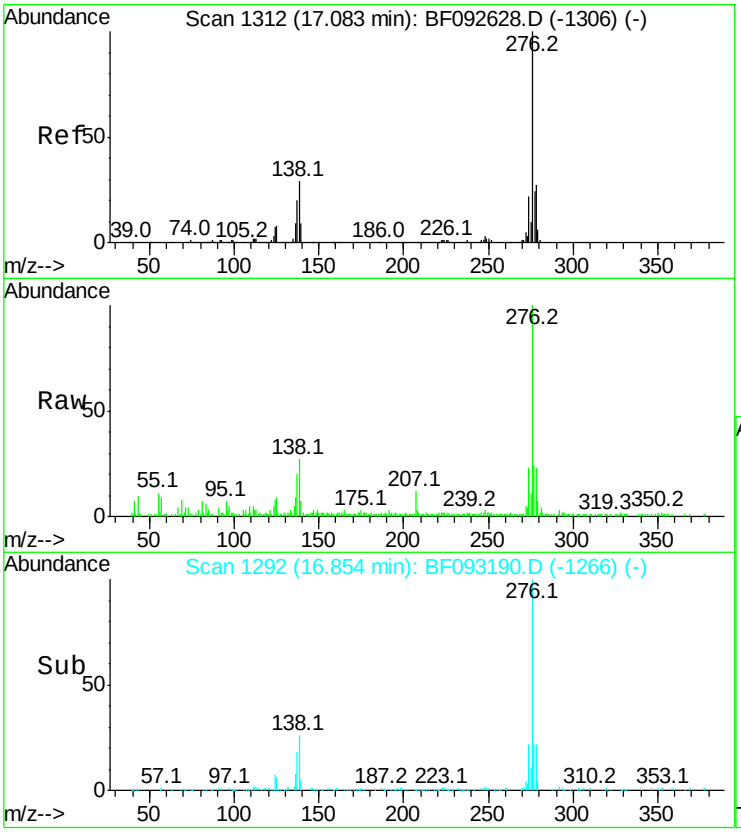


#82
Chrysene
Concen: 13.71 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:228 Resp: 245352

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	22.5	16.2	24.2





#85
Indeno(1,2,3-cd)pyrene
Concen: 7.31 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:276 Resp: 101312

Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.8	32.6
277	22.5	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
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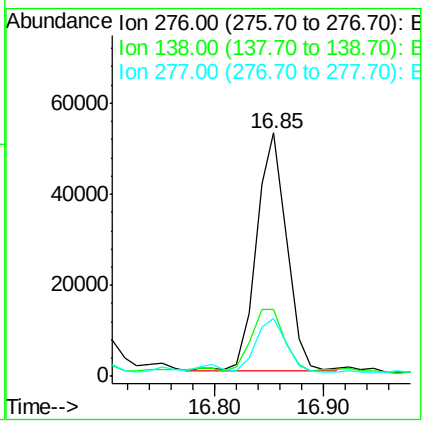
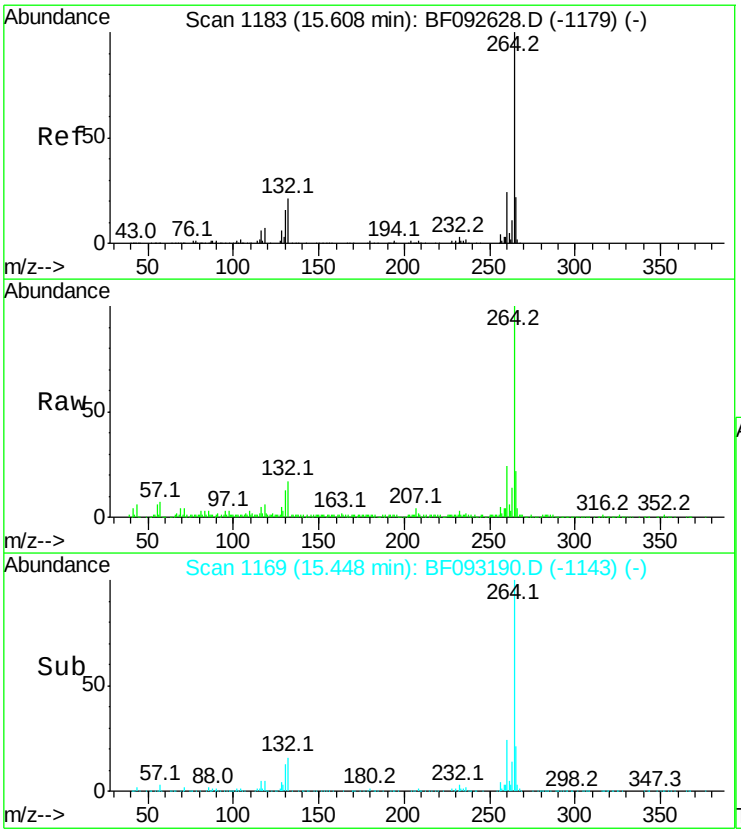
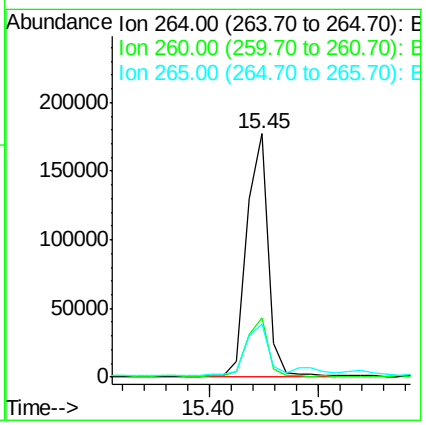


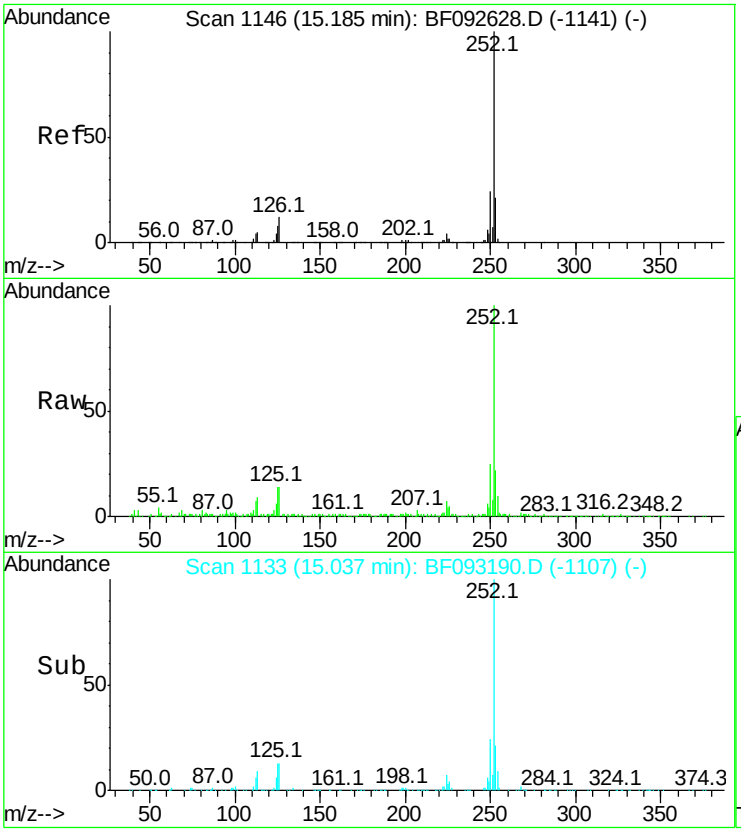


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:264 Resp: 240672

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.4	26.0

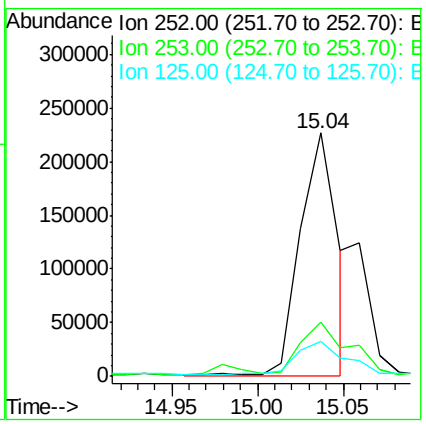




#87
Benzo(b)fluoranthene
Concen: 21.74 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:252 Resp: 344331

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	14.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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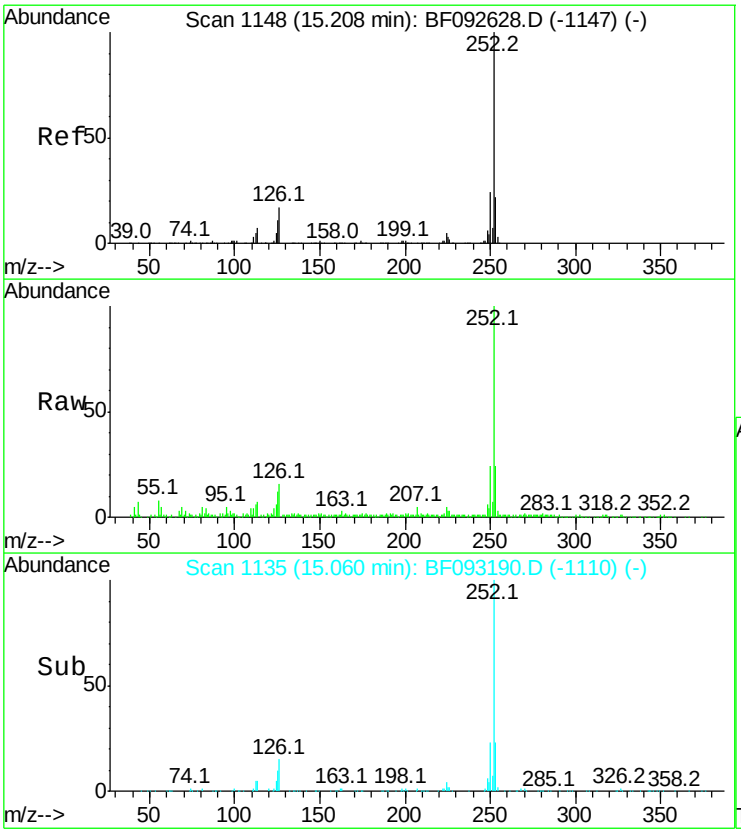
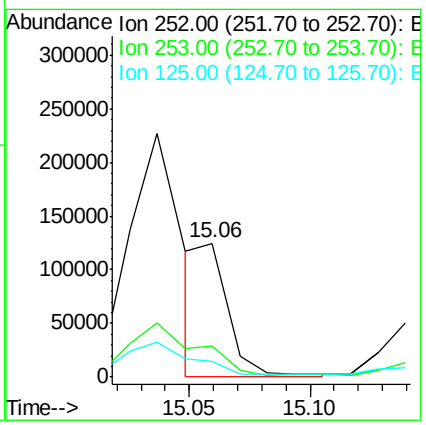
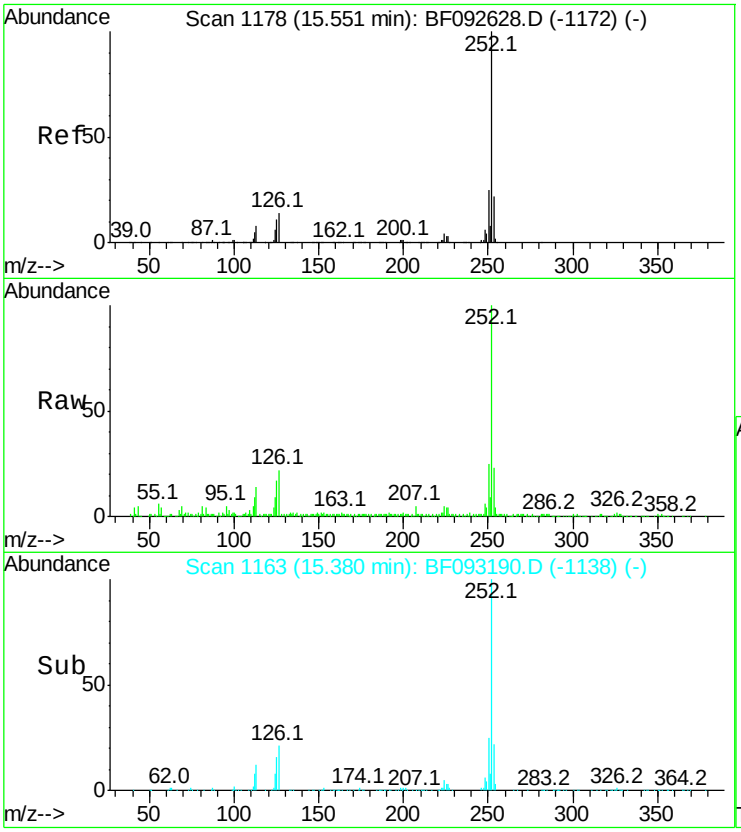


#88
Benzo(k)fluoranthene
Concen: 7.72 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:252 Resp: 105536

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	12.0	8.9	13.3





#89
Benzo(a)pyrene
Concen: 14.85 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:252 Resp: 203427

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	17.4	10.0	15.0#

Instrument :
BNA_F
ClientSampleId :
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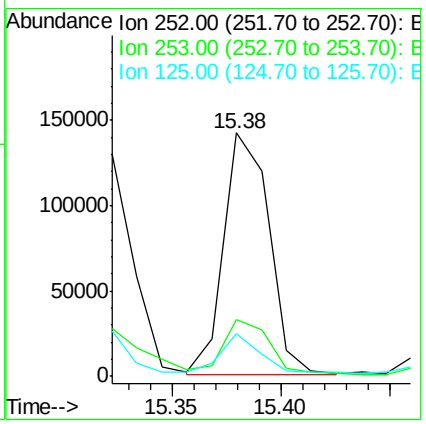
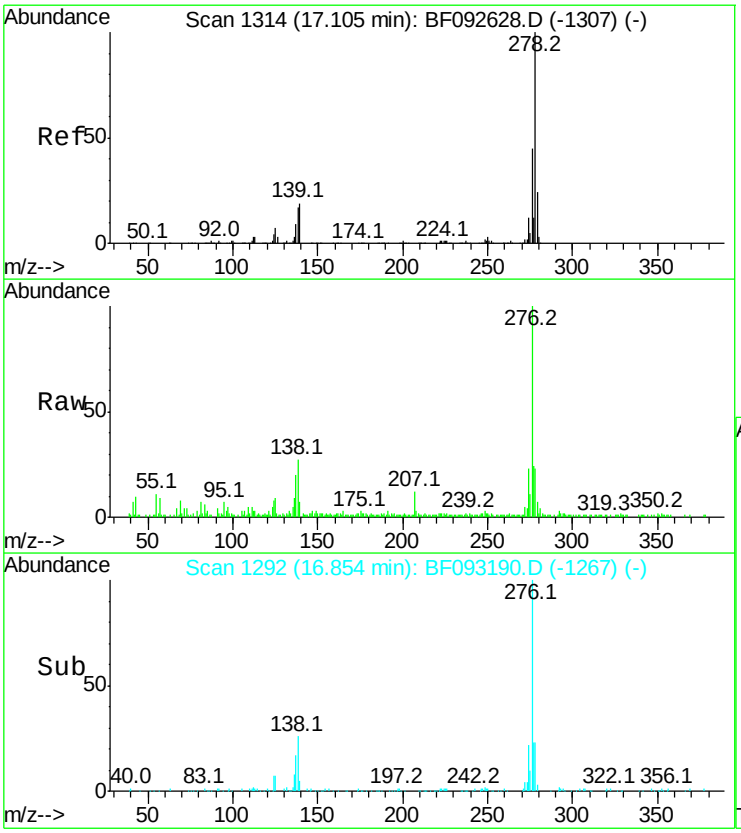
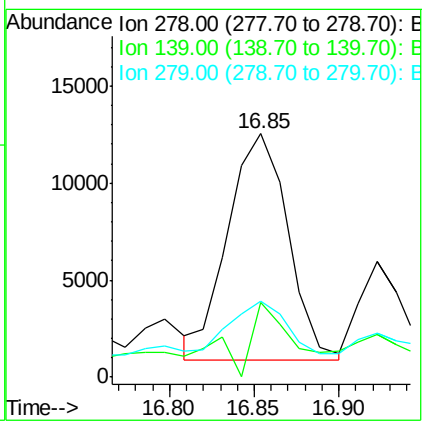


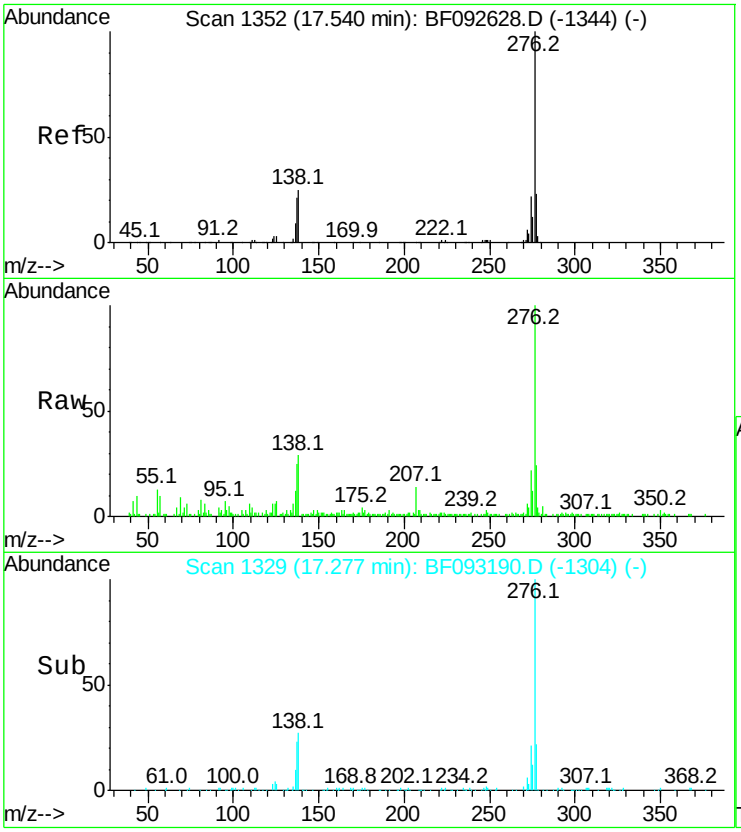


#90
Dibenzo(a,h)anthracene
Concen: 2.62 ng m
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:278 Resp: 29068

Ion	Ratio	Lower	Upper
278	100		
139	30.6	14.8	22.2#
279	31.3	19.8	29.6#

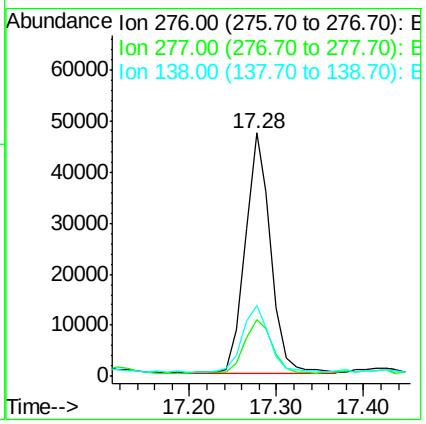




#91
Benzo(g,h,i)perylene
Concen: 8.53 ng
RT: 17.28 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF093190.D
Acq: 25 Feb 2017 14:00

Tgt Ion:276 Resp: 95481

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	29.2	16.0	24.0#



Instrument :
BNA_F
ClientSampleId :
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