Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
Data File : BF094866.D
Acq On : 4 May 2017 9:23
Operator : SJ/MA
Sample : I2921-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-V10-BASE

Manual Integrations APPROVED
mohammad
5/4/2017 3:35:41 PM

Quant Time: May 04 10:53:25 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	105802	20.00	ng		0.00
21) Naphthalene-d8	9.74	136	407041	20.00	ng		-0.01
38) Acenaphthene-d10	12.57	164	170416	20.00	ng		-0.01
63) Phenanthrene-d10	14.97	188	256074	20.00	ng		-0.01
75) Chrysene-d12	18.64	240	219432	20.00	ng		-0.02
86) Perylene-d12	20.30	264	164761	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.68	112	920016	144.97	ng		0.00
7) Phenol-d6	7.28	99	1171575	153.87	ng		0.00
23) Nitrobenzene-d5	8.62	82	681234	105.54	ng		-0.01
41) 2,4,6-Tribromophenol	13.87	330	174894	125.31	ng		-0.01
44) 2-Fluorobiphenyl	11.52	172	1161307	98.08	ng		0.00
78) Terphenyl-d14	17.30	244	673492	67.60	ng		-0.01
Target Compounds							Qvalue
10) Phenol	7.29	94	19049	2.37	ng		93
49) Dimethylphthalate	12.21	163	106787	7.63	ng		99
70) Phenanthrene	15.01	178	259435	17.63	ng		98
71) Anthracene	15.09	178	62867	4.18	ng		97
74) Fluoranthene	16.75	202	373297	24.73	ng		99
77) Pyrene	17.05	202	361580	22.03	ng		97
80) Benzo(a)anthracene	18.62	228	175520	13.74	ng		96
82) Chrysene	18.67	228	170142	13.78	ng		97
85) Indeno(1,2,3-cd)pyrene	21.59	276	78524	7.83	ng		94
87) Benzo(b)fluoranthene	19.90	252	219853m	21.59	ng		
88) Benzo(k)fluoranthene	19.92	252	62909m	6.41	ng		
89) Benzo(a)pyrene	20.25	252	148656	15.82	ng		97
90) Dibenzo(a,h)anthracene	21.59	278	21400	2.76	ng	#	82
91) Benzo(g,h,i)perylene	21.96	276	75425	9.91	ng		99

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

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Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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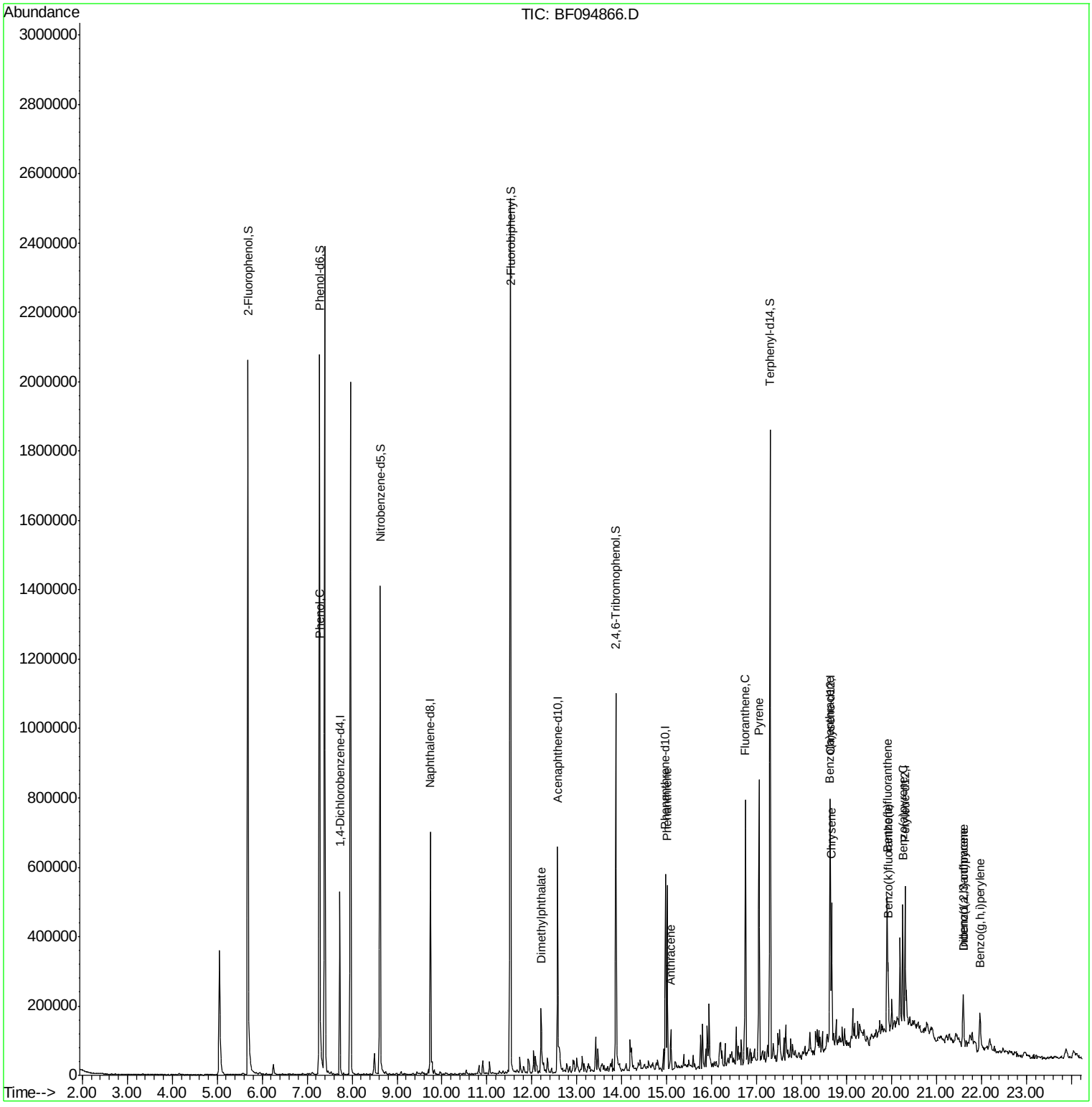
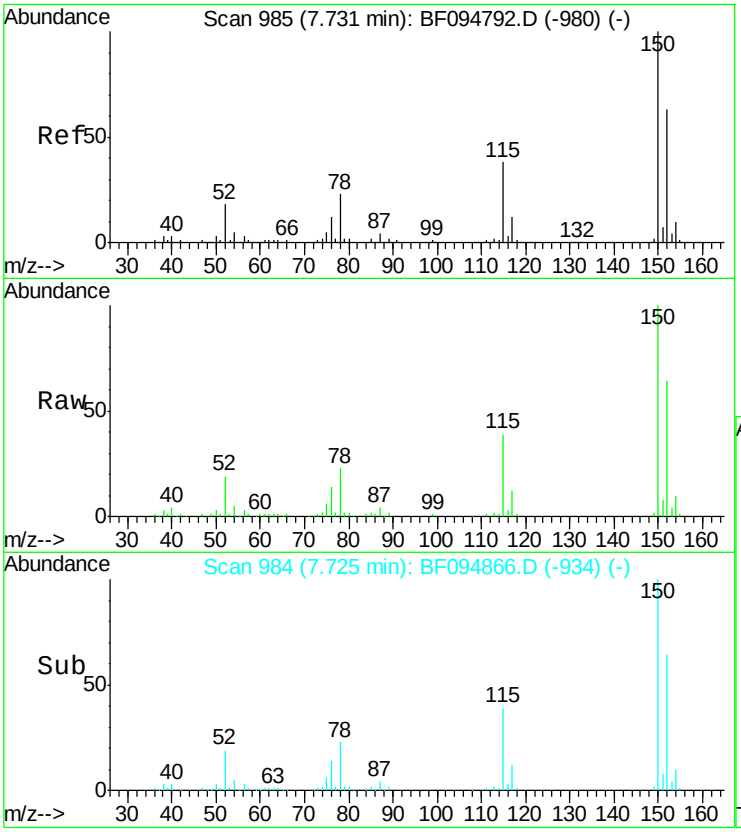
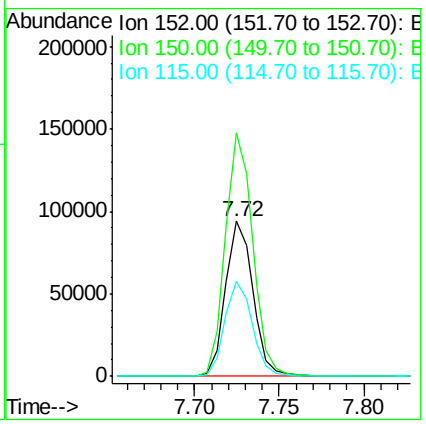




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:152 Resp: 105802

Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	61.7	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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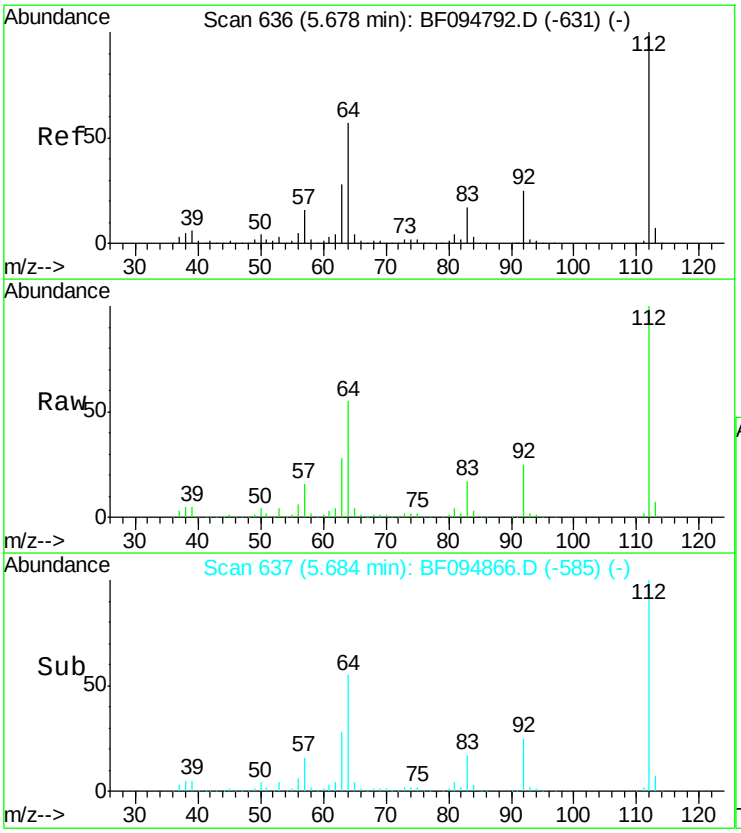
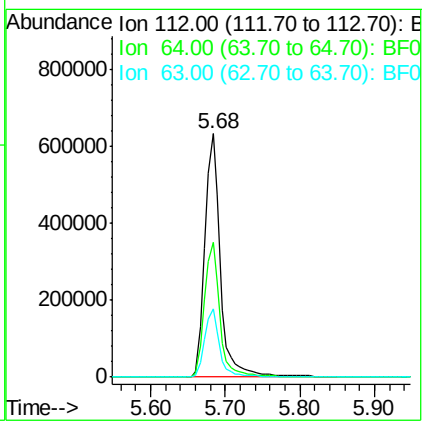
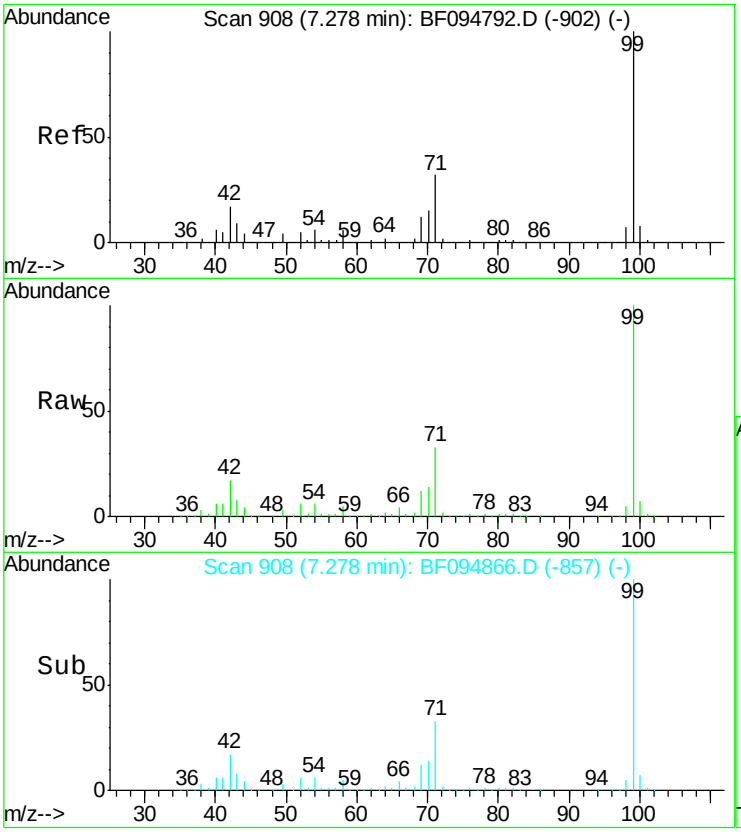


#5
2-Fluorophenol
Concen: 144.97 ng
RT: 5.68 min Scan# 637
Delta R.T. 0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:112 Resp: 920016

Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	27.8	23.4	35.0

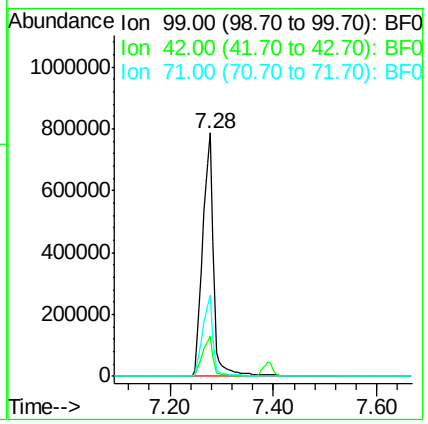




#7
Phenol-d6
Concen: 153.87 ng
RT: 7.28 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion: 99 Resp: 1171575

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.5	20.3
71	33.1	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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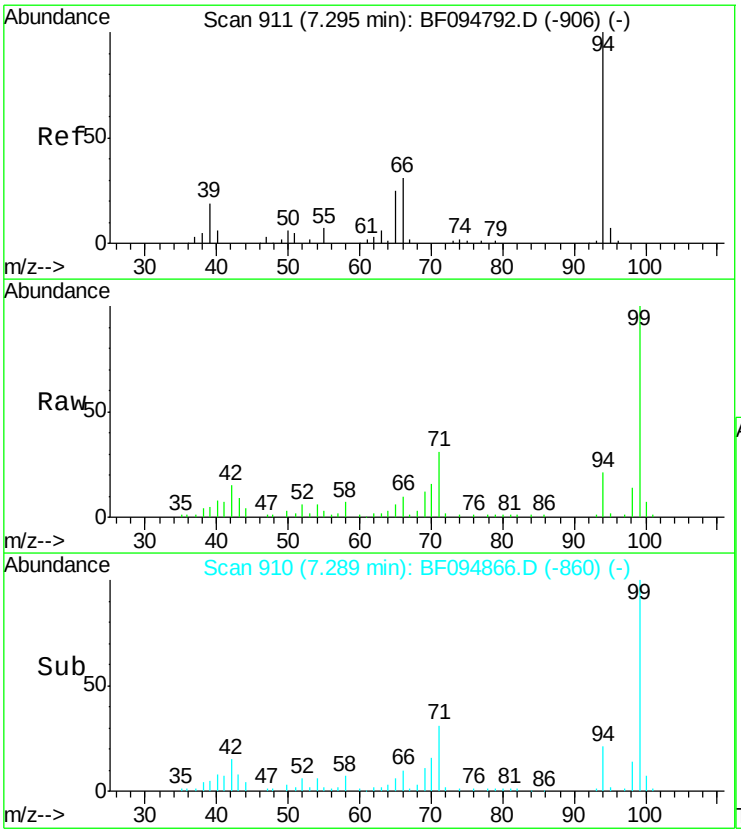
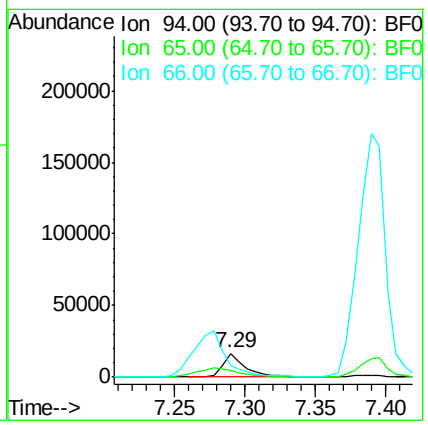
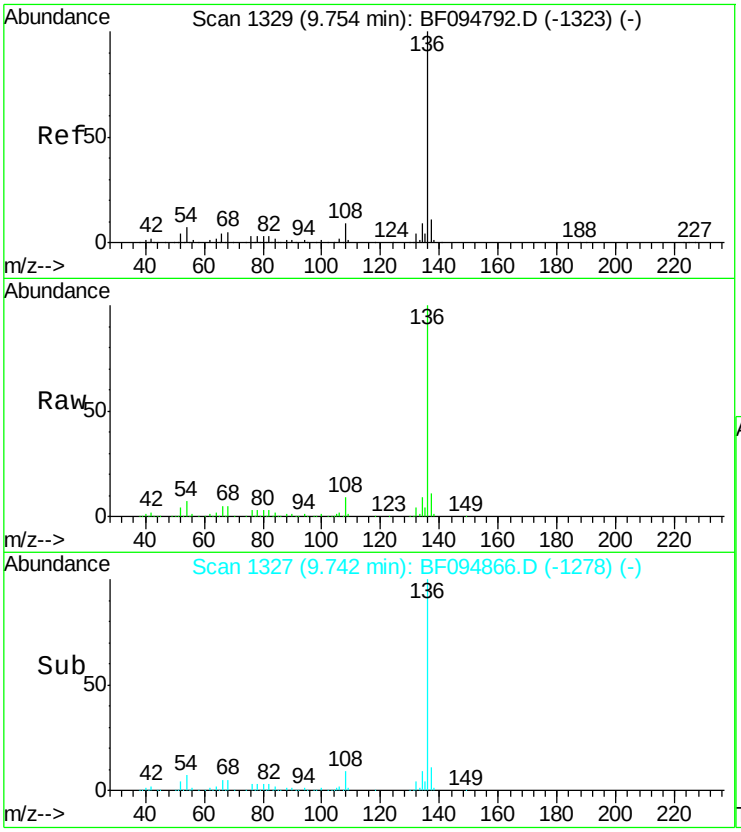


#10
Phenol
Concen: 2.37 ng
RT: 7.29 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion: 94 Resp: 19049

Ion	Ratio	Lower	Upper
94	100		
65	28.5	9.9	49.9
66	49.1	23.1	63.1

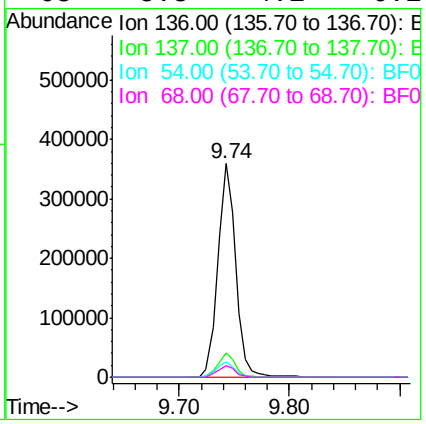




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:136 Resp: 407041

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.0	4.9	7.3
68	5.3	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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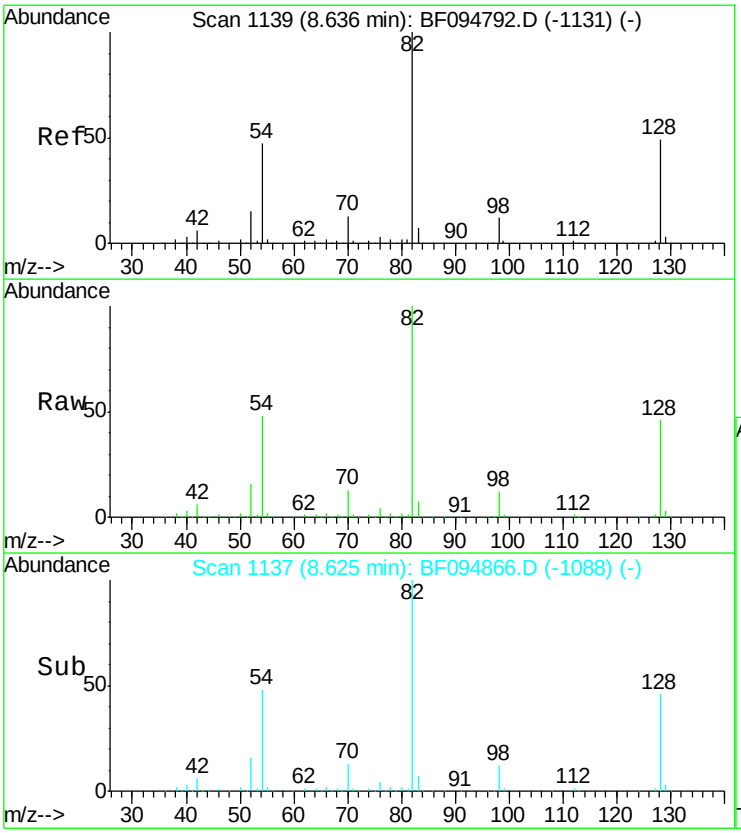
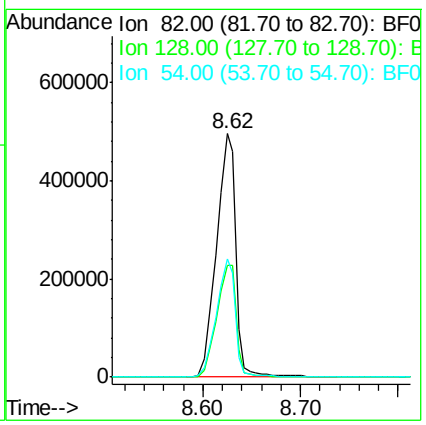
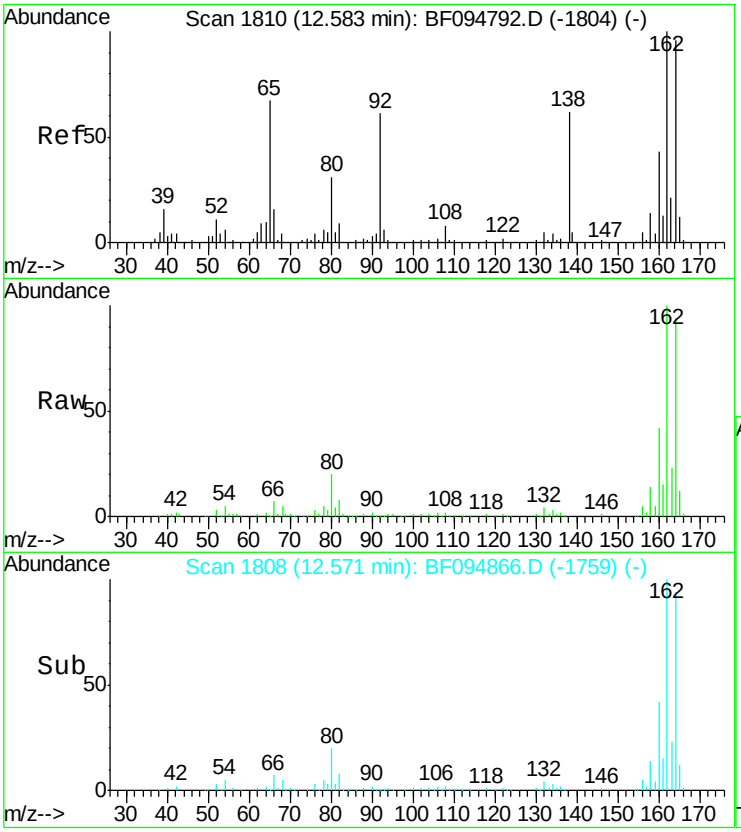


#23
Nitrobenzene-d5
Concen: 105.54 ng
RT: 8.62 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion: 82 Resp: 681234

Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	48.4	42.2	63.2

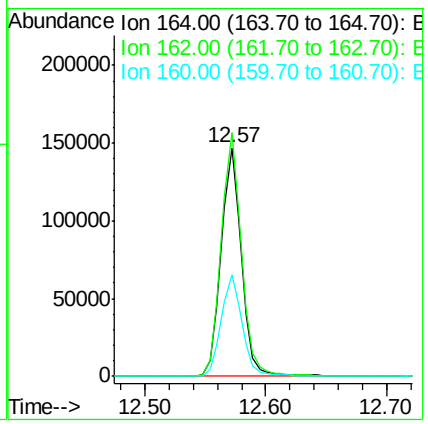




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:164 Resp: 170416

Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.6	123.8
160	44.5	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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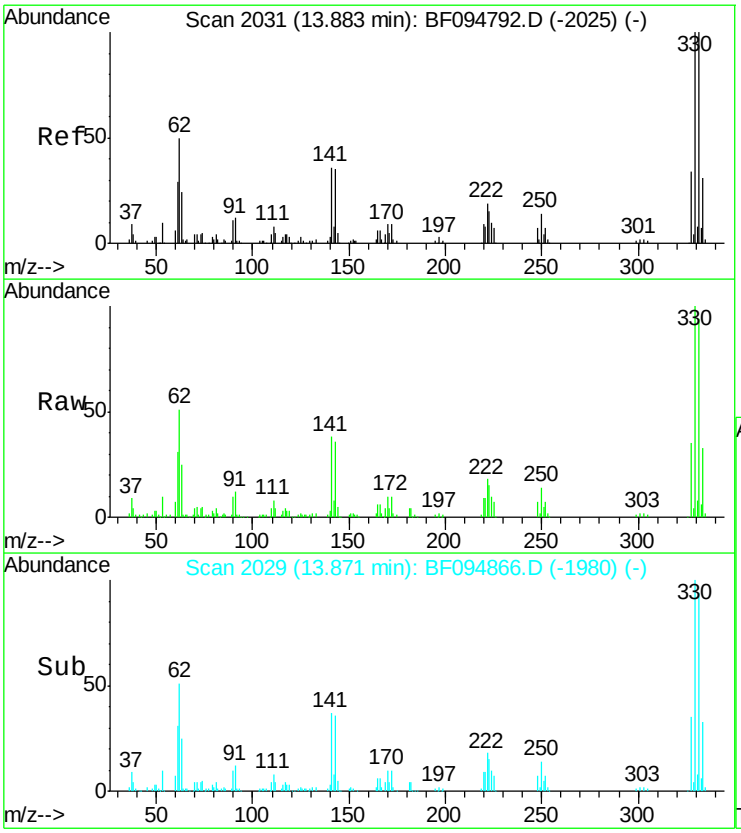
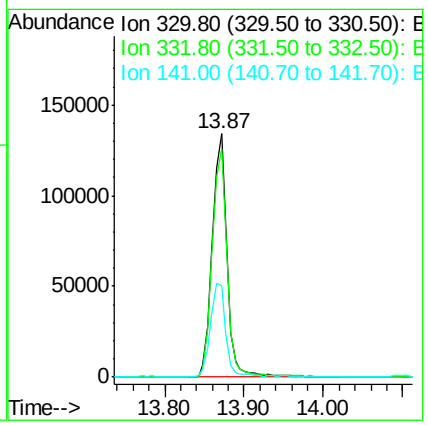
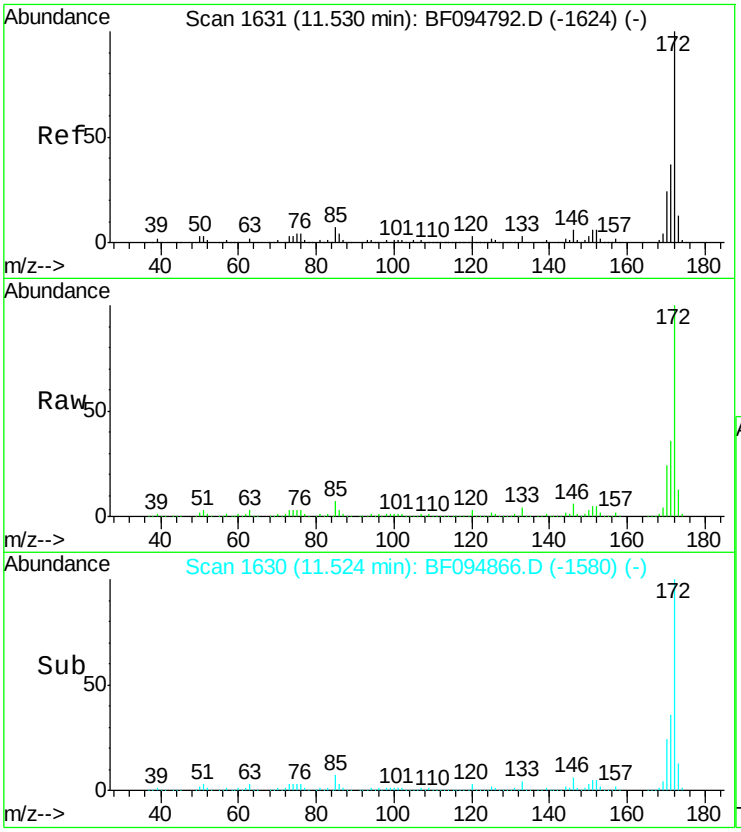


#41
2,4,6-Tribromophenol
Concen: 125.31 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:330 Resp: 174894

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	39.1	31.4	47.2

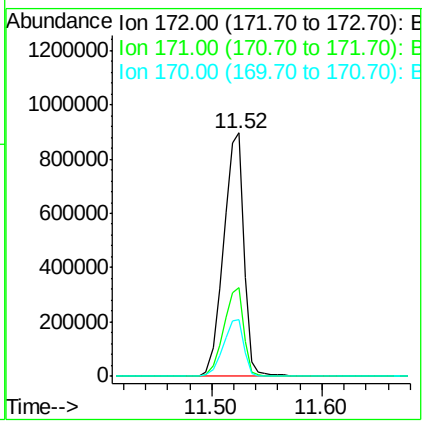




#44
2-Fluorobiphenyl
Concen: 98.08 ng
RT: 11.52 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:172 Resp: 1161307

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.5	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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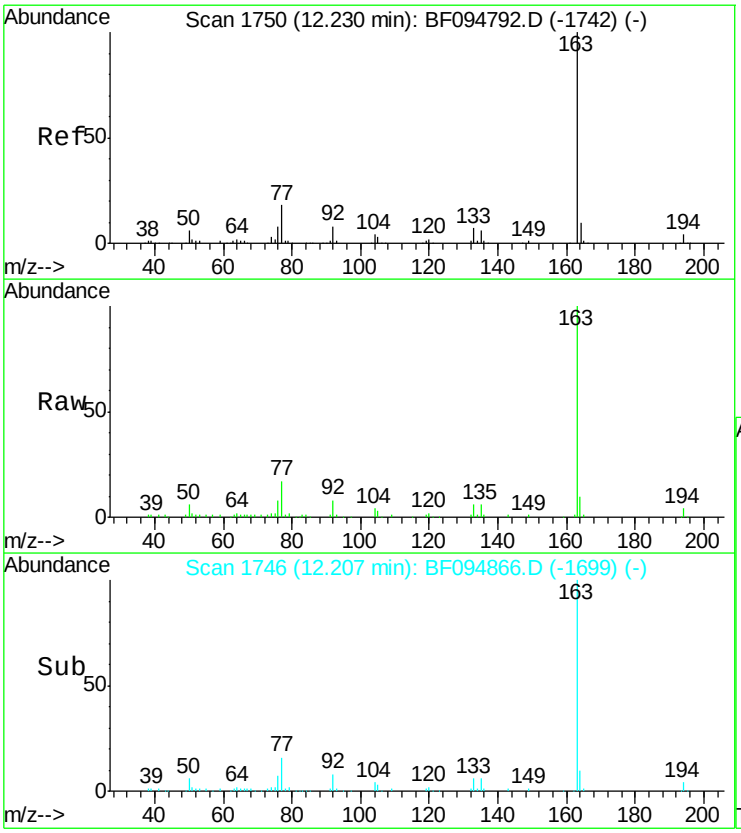
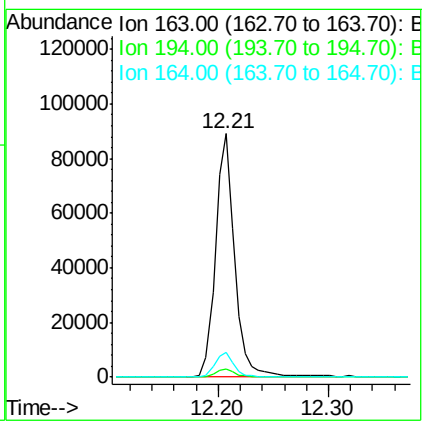
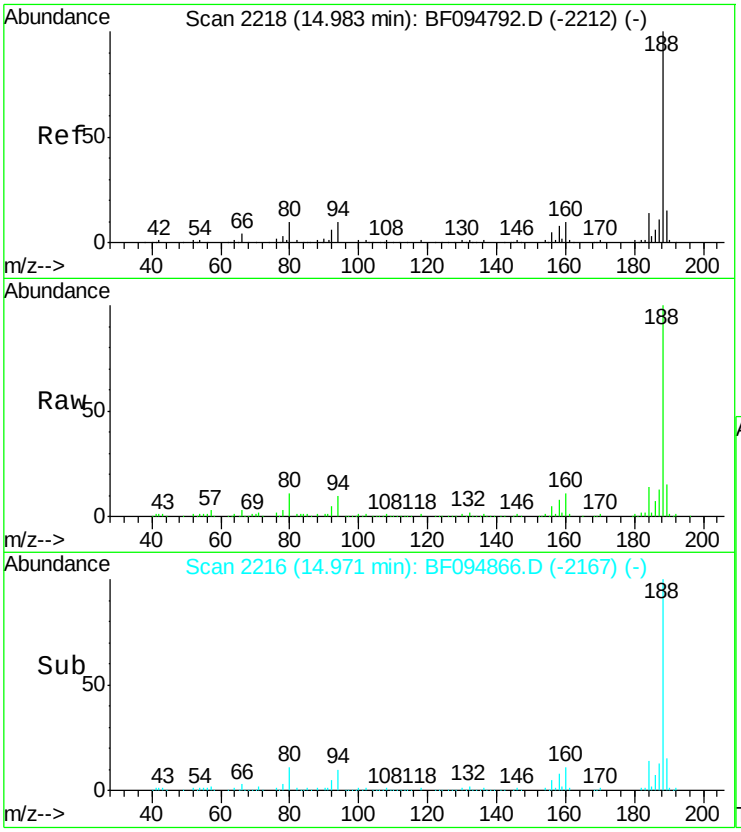


#49
Dimethylphthalate
Concen: 7.63 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:163 Resp: 106787

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.2	8.4	12.6

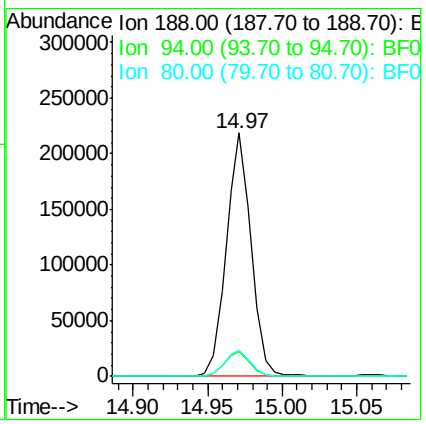




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:188 Resp: 256074

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.8	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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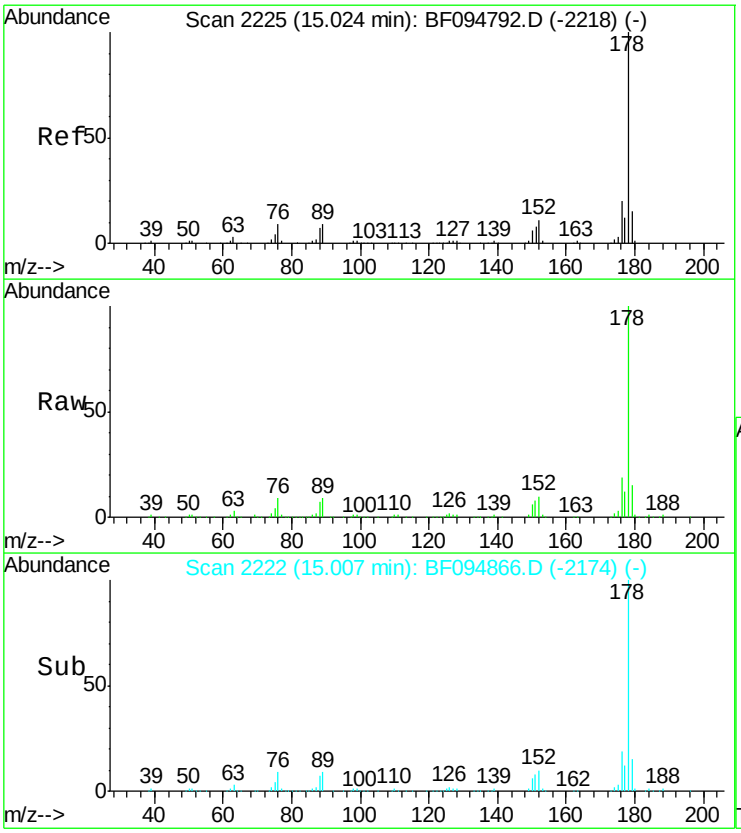
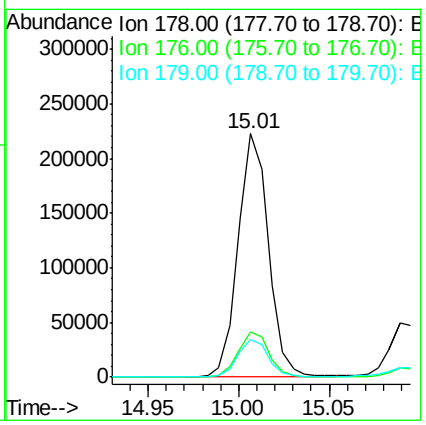
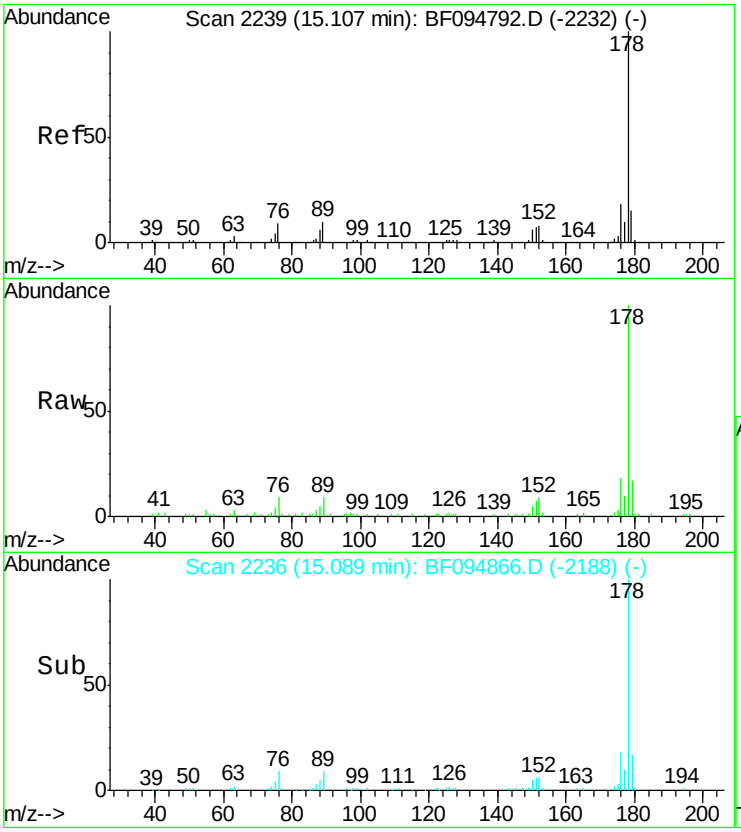


#70
Phenanthrene
Concen: 17.63 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:178 Resp: 259435

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.3	12.6	19.0

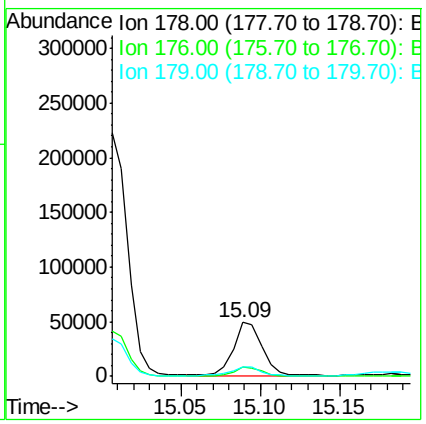




#71
Anthracene
Concen: 4.18 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:178 Resp: 62867

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	16.7	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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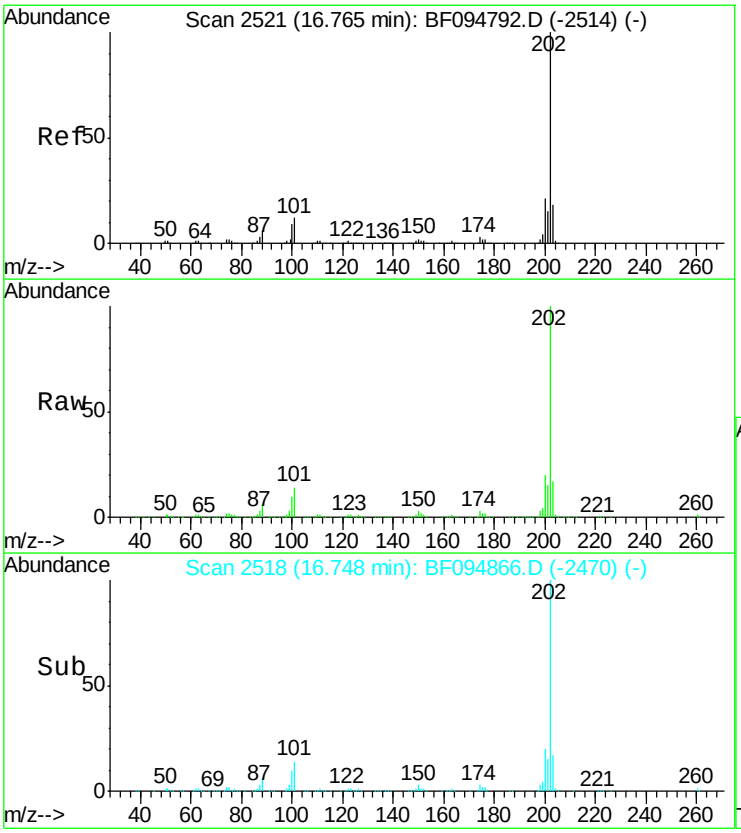
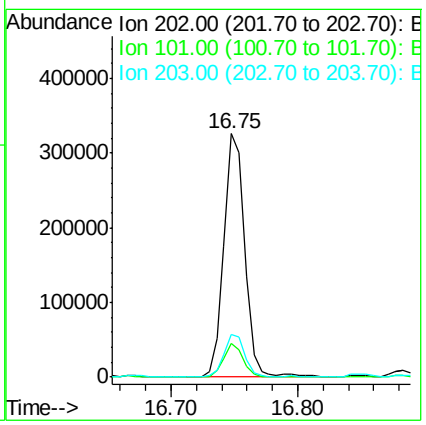
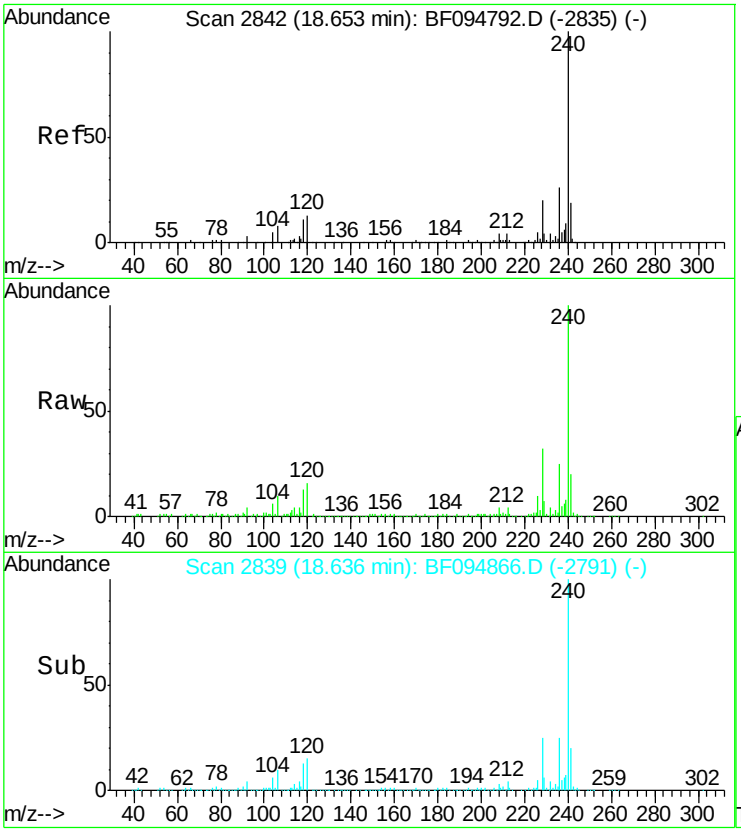


#74
Fluoranthene
Concen: 24.73 ng
RT: 16.75 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:202 Resp: 373297

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.4	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:240 Resp: 219432

Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	24.5	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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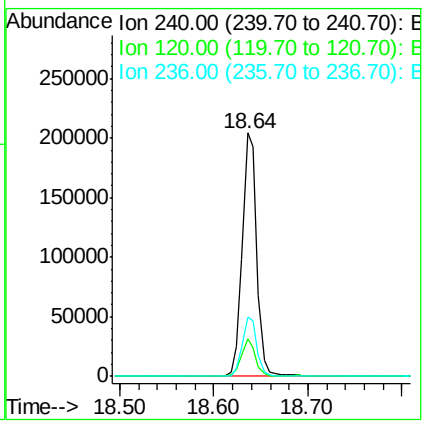
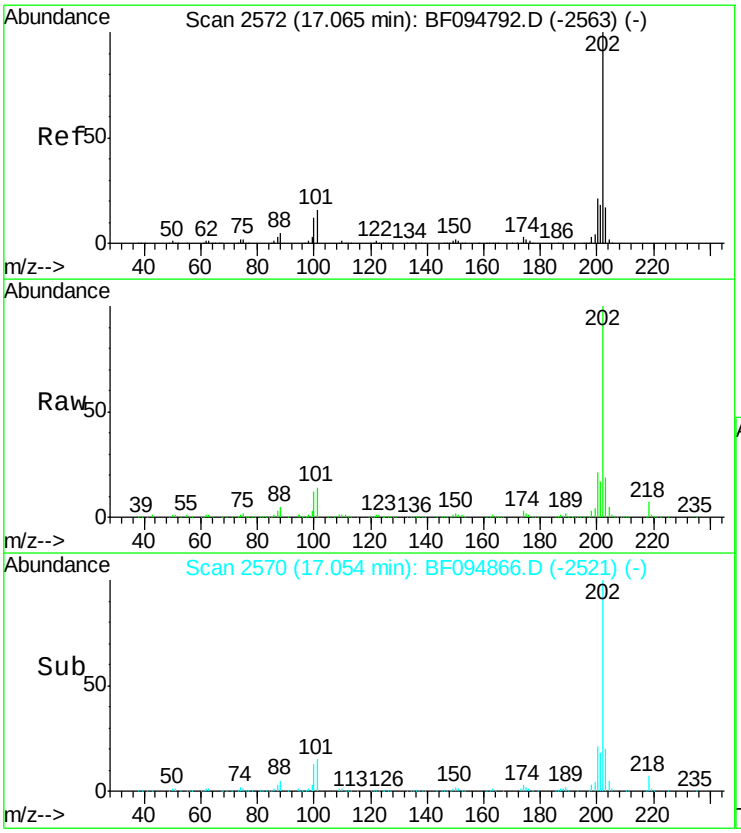
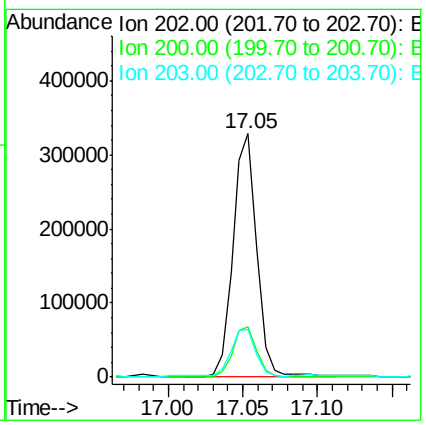


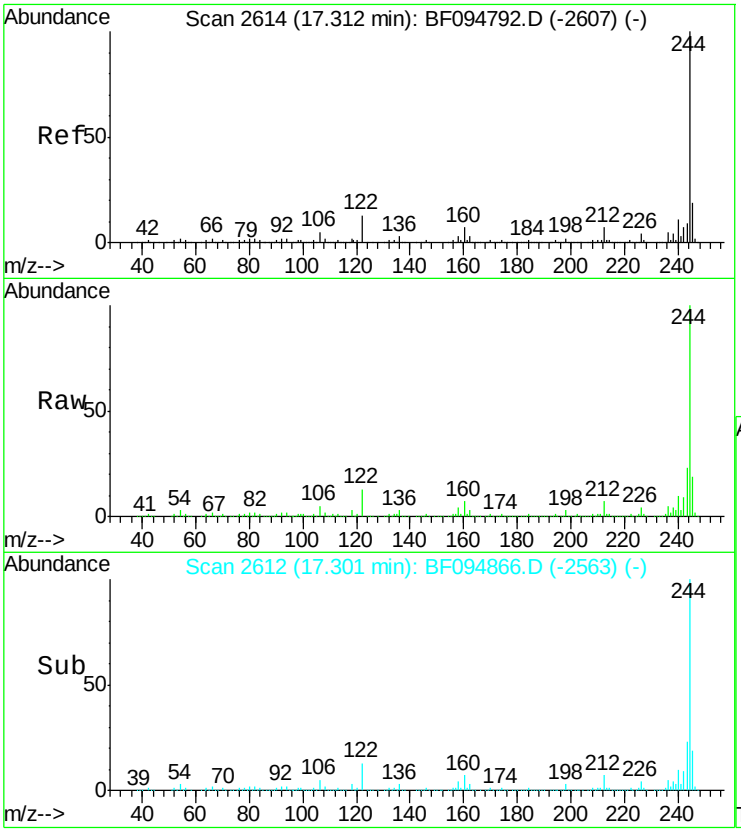


#77
Pyrene
Concen: 22.03 ng
RT: 17.05 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:202 Resp: 361580

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	19.5	14.4	21.6

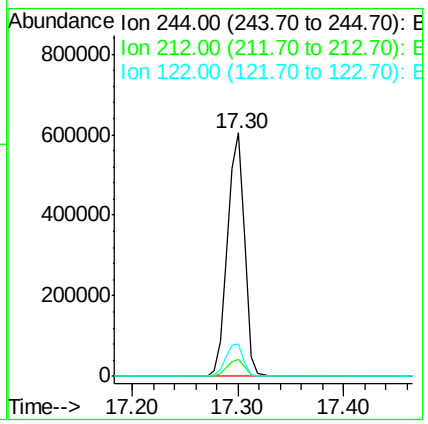




#78
Terphenyl-d14
Concen: 67.60 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:244 Resp: 673492

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.1	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

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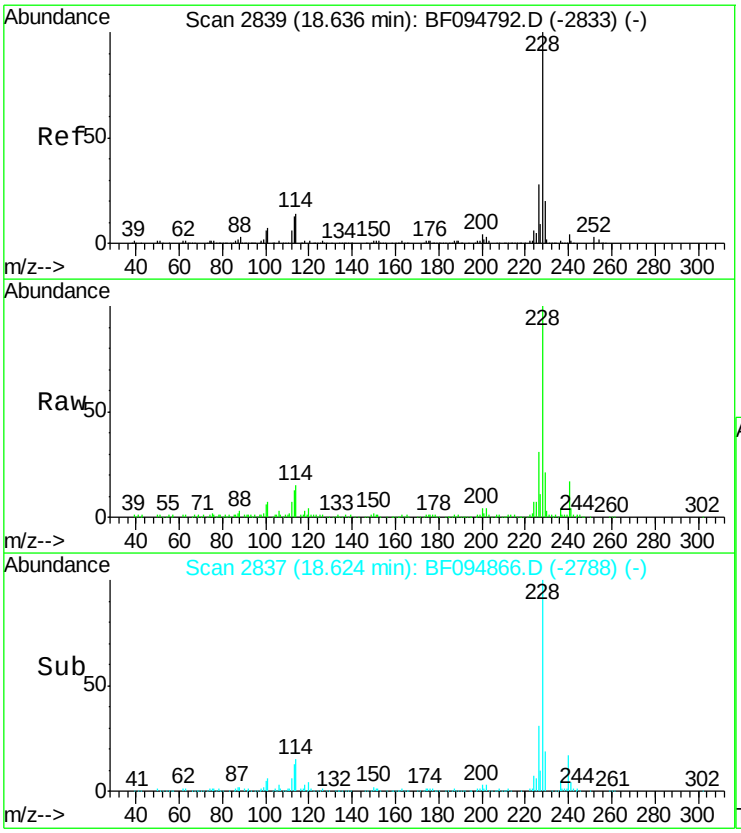
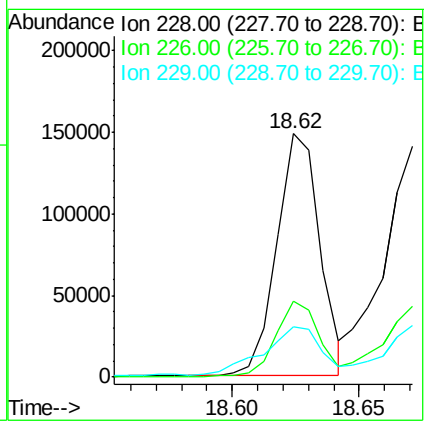
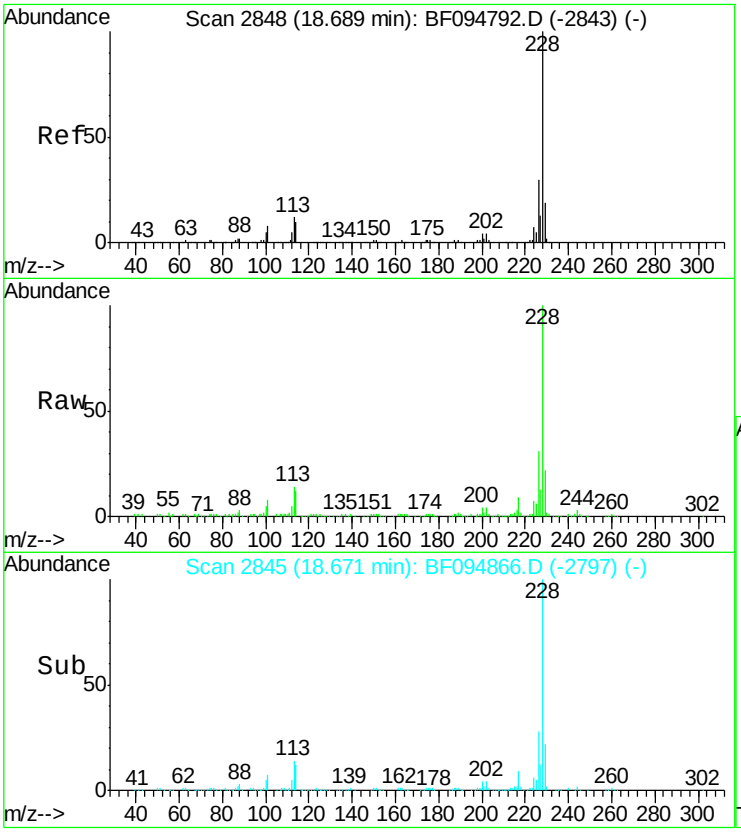


#80
Benzo(a)anthracene
Concen: 13.74 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:228 Resp: 175520

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	33.8
229	20.7	16.3	24.5

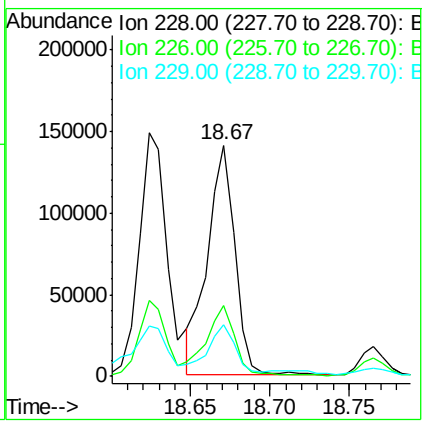




#82
Chrysene
Concen: 13.78 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:228 Resp: 170142

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Manual Integrations APPROVED
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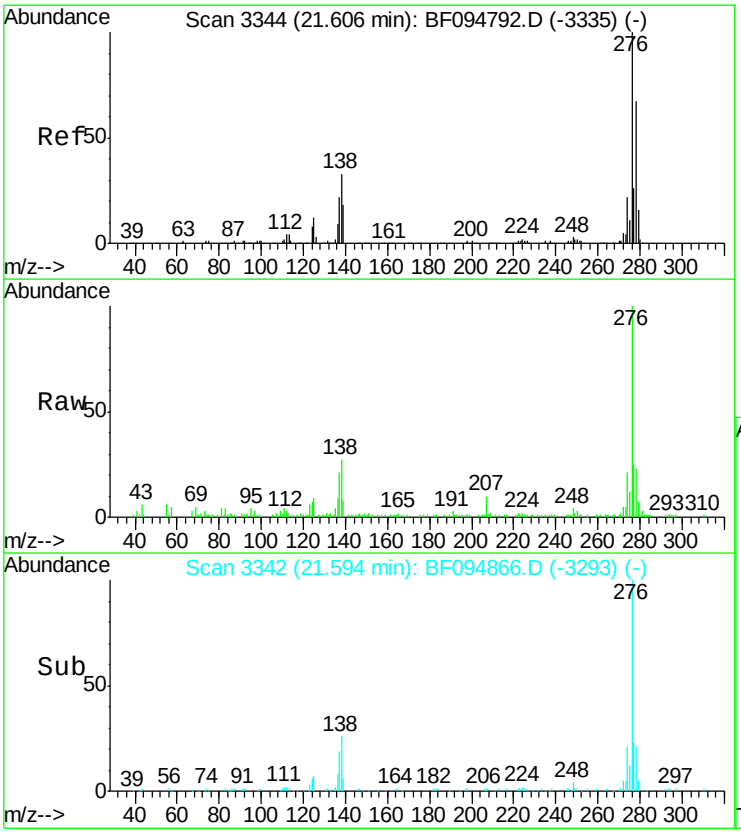
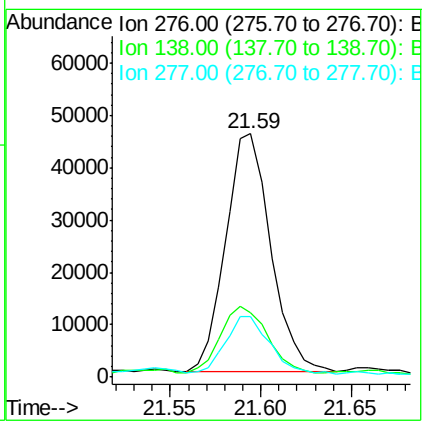
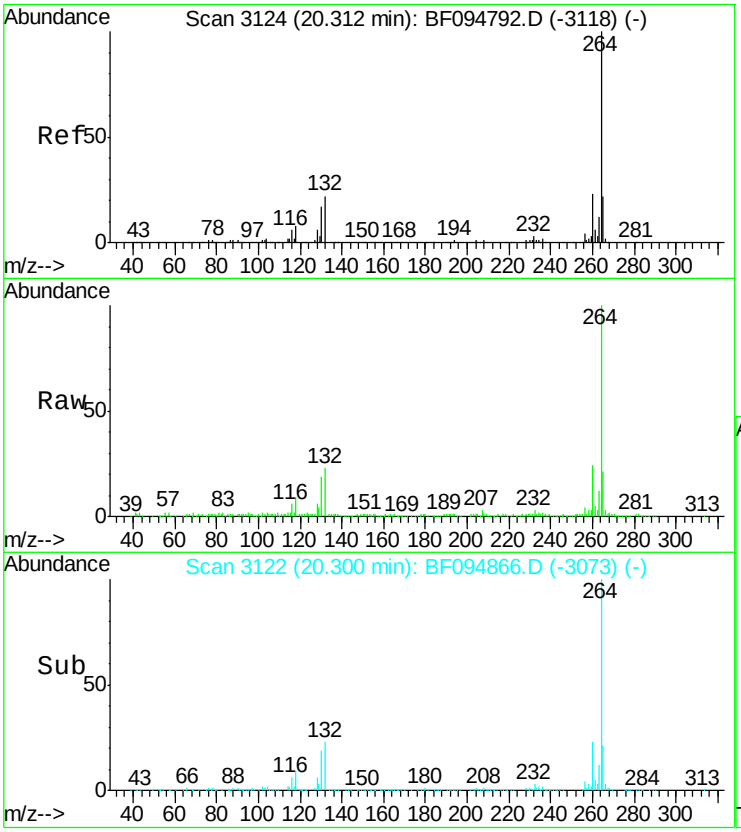


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.83 ng
RT: 21.59 min Scan# 3342
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:276 Resp: 78524

Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	23.5	20.2	30.4

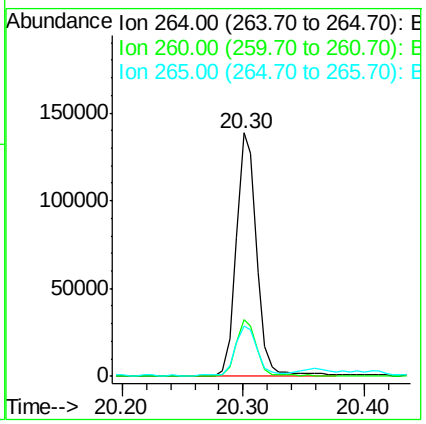




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:264 Resp: 164761

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.9	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

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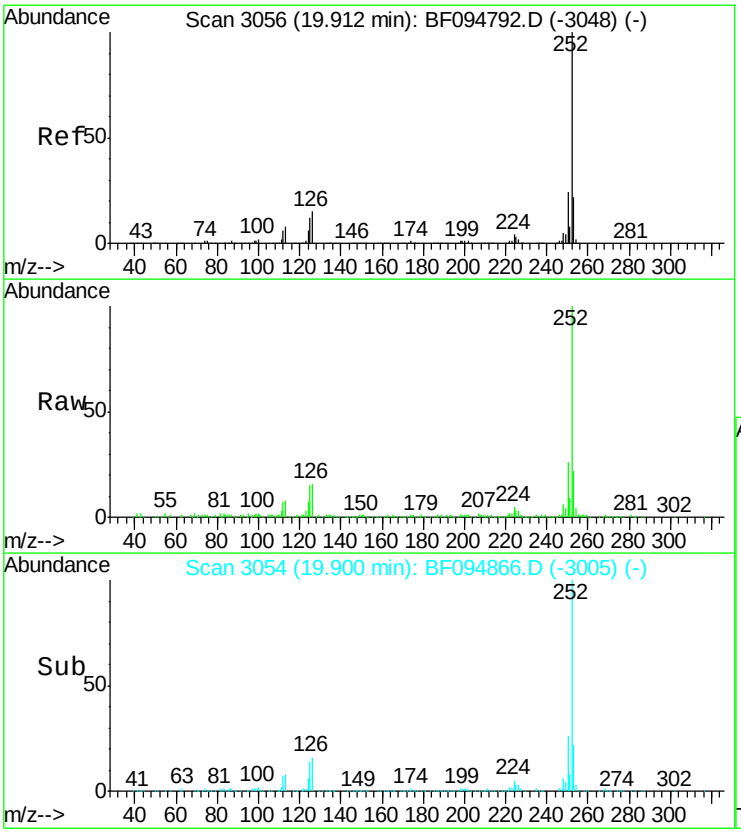
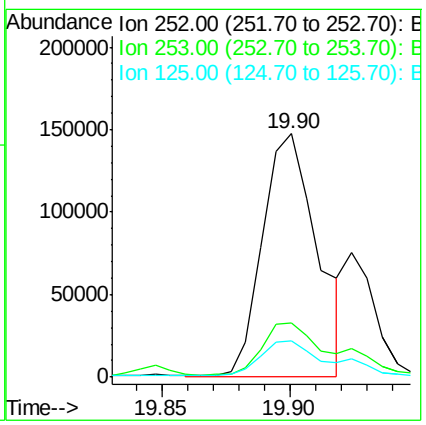
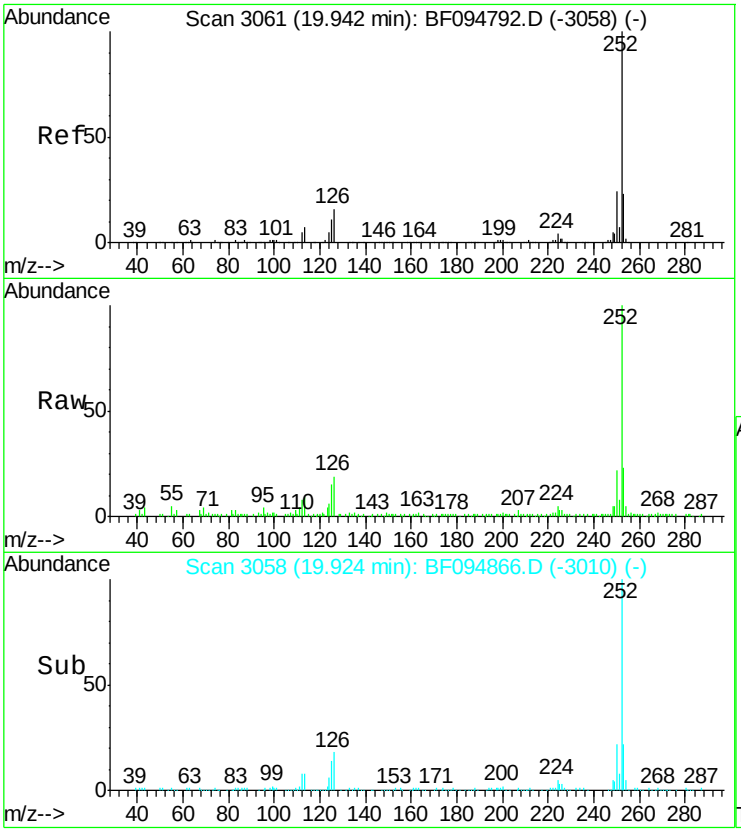


#87
Benzo(b)fluoranthene
Concen: 21.59 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:252 Resp: 219853

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.7	9.8	14.8

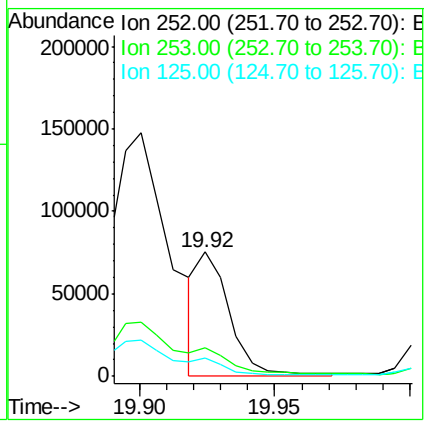




#88
Benzo(k)fluoranthene
Concen: 6.41 ng m
RT: 19.92 min Scan# 3058
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:252 Resp: 62909

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.8	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

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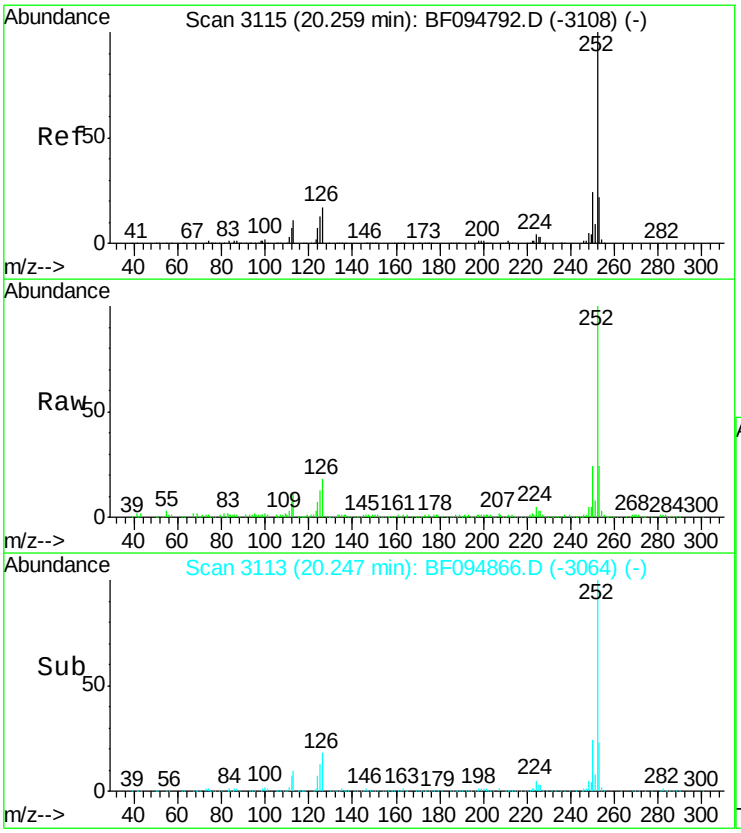
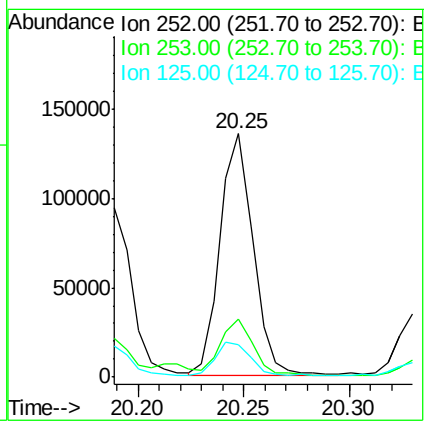
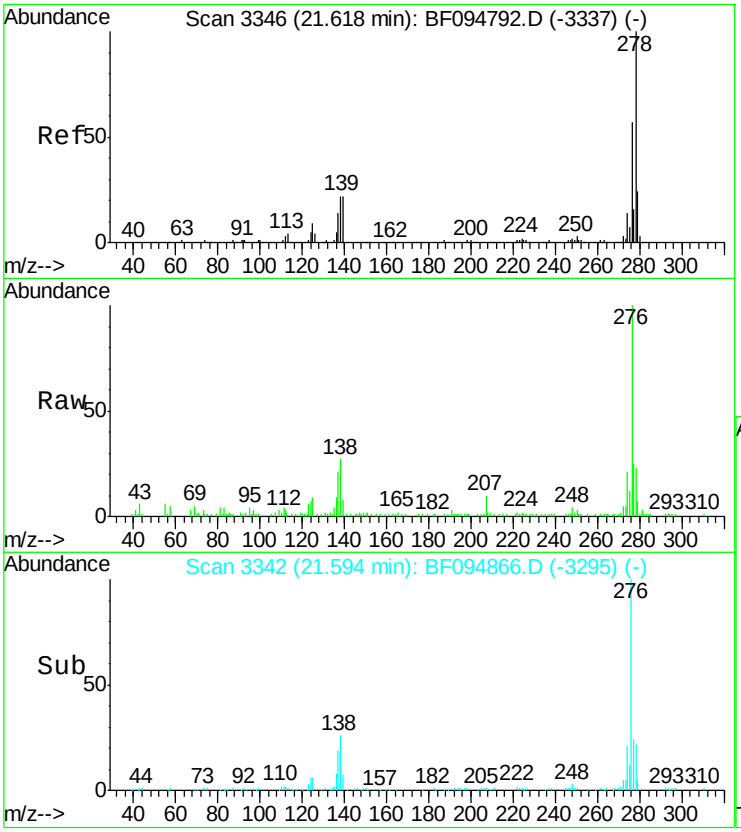


#89
Benzo(a)pyrene
Concen: 15.82 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:252 Resp: 148656

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	13.4	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 2.76 ng
RT: 21.59 min Scan# 3342
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:278 Resp: 21400

Ion	Ratio	Lower	Upper
278	100		
139	34.5	16.6	24.8#
279	28.4	19.3	28.9

Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

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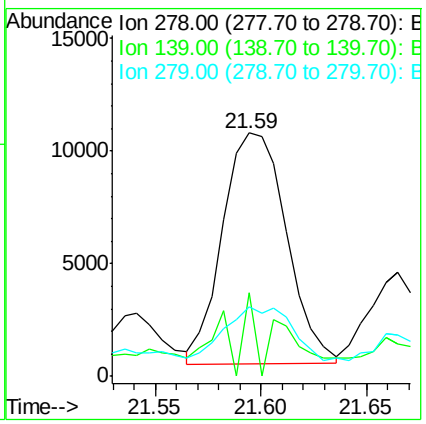

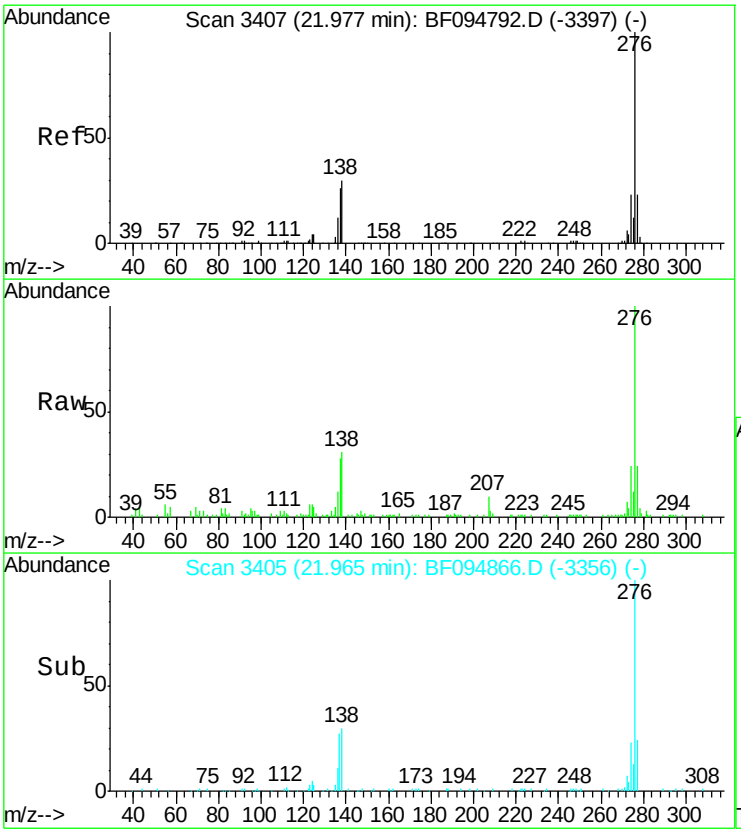

#91
Benzo(g,h,i)perylene
Concen: 9.91 ng
RT: 21.96 min Scan# 3405
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:276 Resp: 75425

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	31.5	25.4	38.0