Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087082.D
Acq On : 16 May 2016 15:36
Operator : UM/SJ
Sample : H2994-05RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Manual Integrations APPROVED
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Quant Time: May 17 12:54:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:12:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	136444	20.00	ng		0.00
21) Naphthalene-d8	7.90	136	549038	20.00	ng		0.00
38) Acenaphthene-d10	9.64	164	206367	20.00	ng		0.00
63) Phenanthrene-d10	11.12	188	319418	20.00	ng		0.00
75) Chrysene-d12	13.76	240	262909	20.00	ng		0.00
86) Perylene-d12	15.12	264	222785	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.20	112	836493	103.82	ng		0.00
7) Phenol-d6	6.28	99	1222039	113.49	ng		0.00
23) Nitrobenzene-d5	7.19	82	785478	71.84	ng		0.00
41) 2,4,6-Tribromophenol	10.43	330	185538	84.92	ng		-0.01
44) 2-Fluorobiphenyl	8.97	172	1063250	86.59	ng		-0.01
78) Terphenyl-d14	12.71	244	734579	59.28	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.51	152	139258	7.36	ng		99
49) Dimethylphthalate	9.37	163	94667	6.01	ng		100
70) Phenanthrene	11.14	178	178571	10.48	ng		98
71) Anthracene	11.20	178	135109	7.75	ng		98
72) Carbazole	11.36	167	43048	2.87	ng	#	96
74) Fluoranthene	12.33	202	679492	38.76	ng		96
77) Pyrene	12.56	202	654167	32.50	ng		100
80) Benzo(a)anthracene	13.75	228	377003	25.54	ng	#	90
82) Chrysene	13.78	228	342218m	22.79	ng		
85) Indeno(1,2,3-cd)pyrene	16.37	276	153757m	12.31	ng		
87) Benzo(b)fluoranthene	14.75	252	529487m	36.57	ng		
88) Benzo(k)fluoranthene	14.77	252	103693m	8.75	ng		
89) Benzo(a)pyrene	15.06	252	242758	19.44	ng		96
90) Dibenzo(a,h)anthracene	16.37	278	48762	4.63	ng	#	88
91) Benzo(g,h,i)perylene	16.74	276	130602	12.21	ng	#	93

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

Quantitation Report (QT Reviewed)

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Data File : BF087082.D
Acq On : 16 May 2016 15:36
Operator : UM/SJ
Sample : H2994-05RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 12:54:46 2016
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Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Manual Integrations APPROVED
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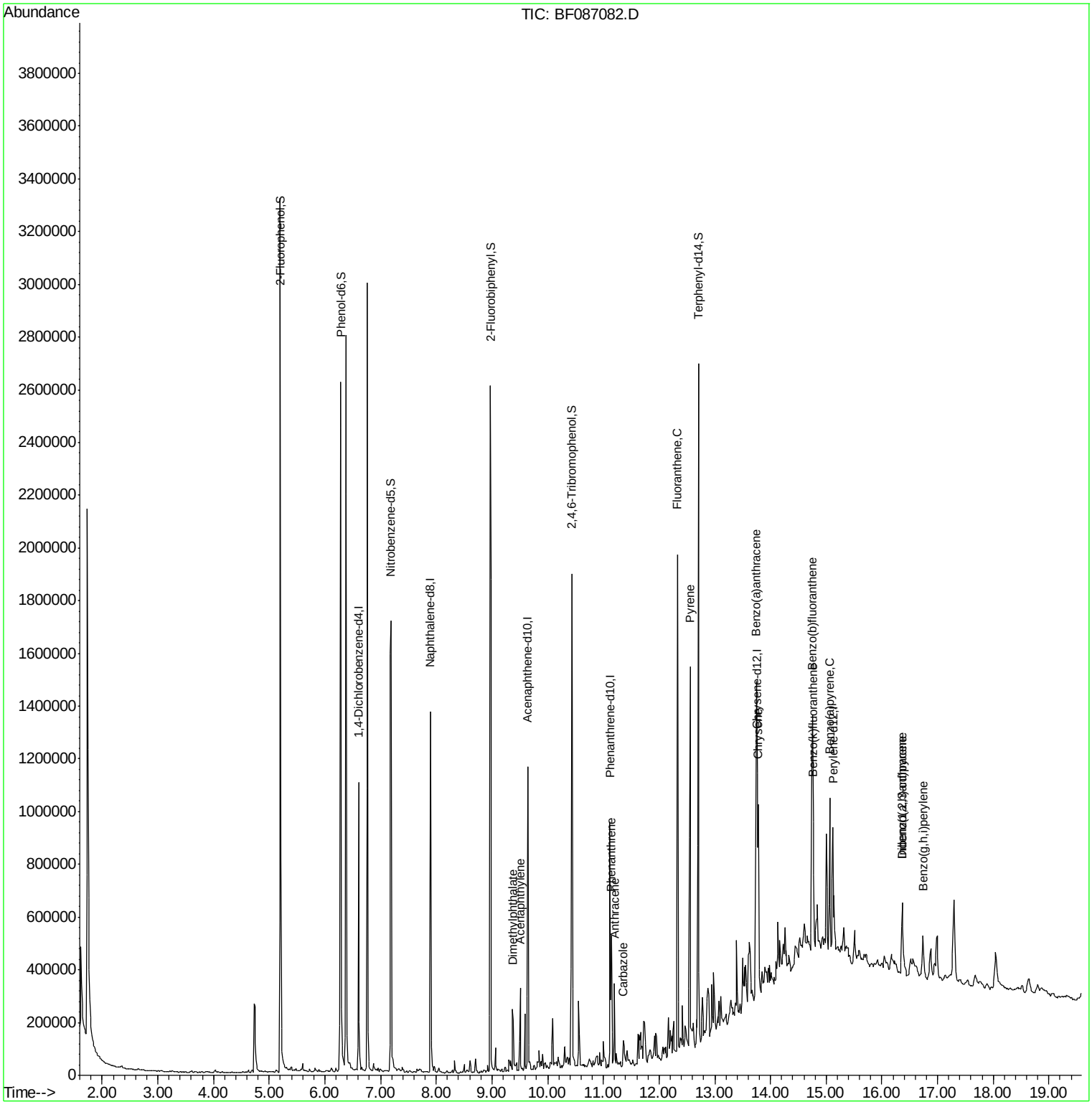
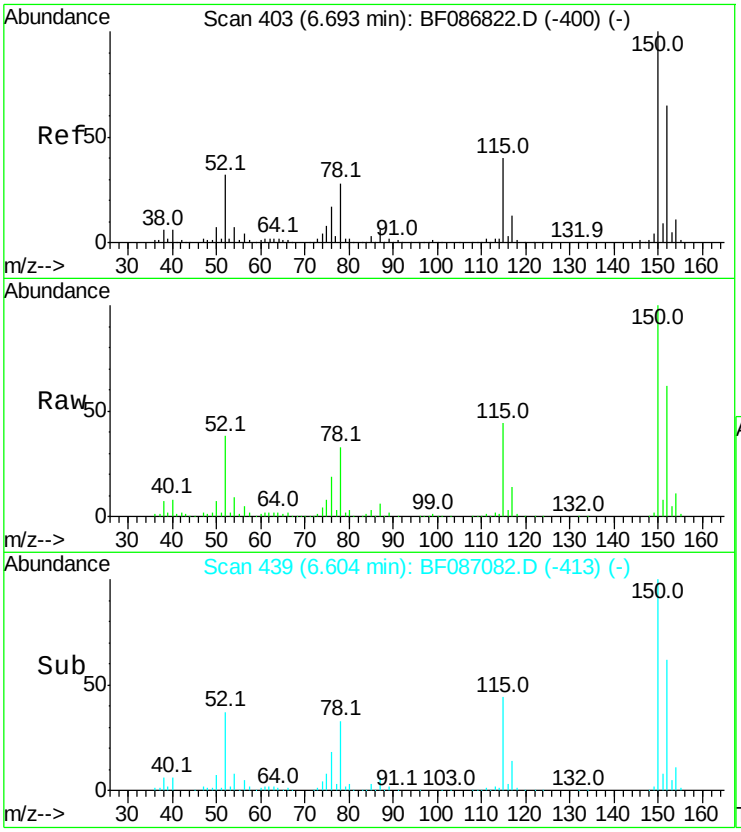
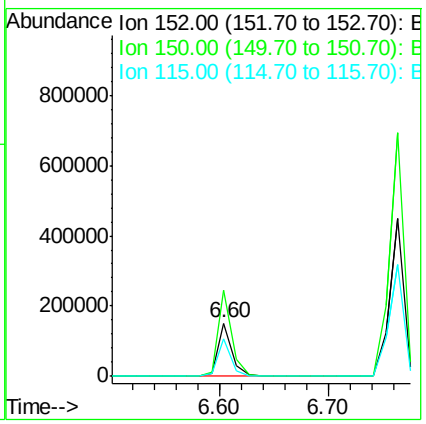




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:152 Resp: 136444

Ion	Ratio	Lower	Upper
152	100		
150	161.6	125.8	188.6
115	70.9	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Manual Integrations APPROVED
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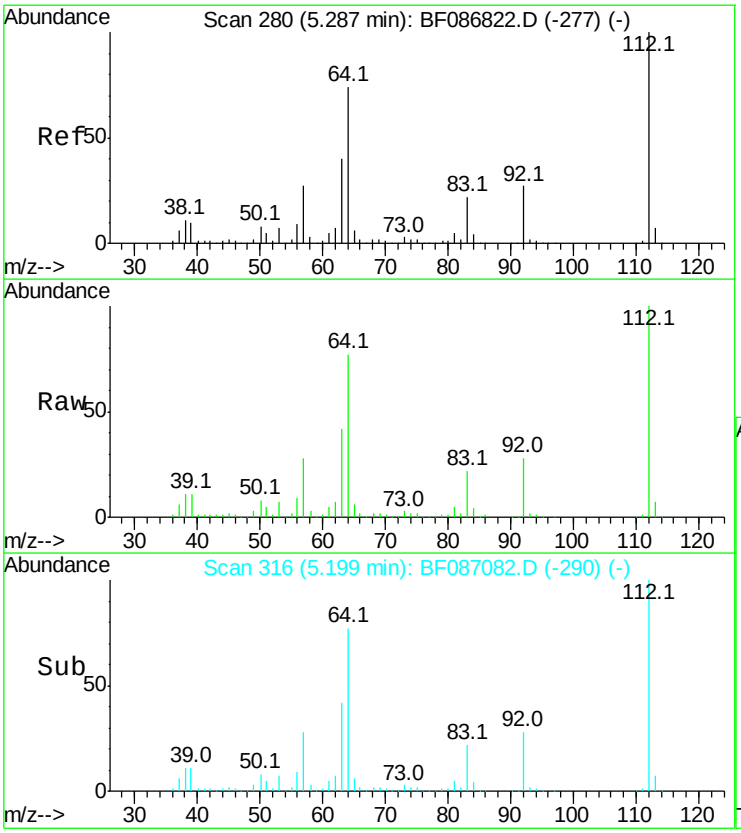
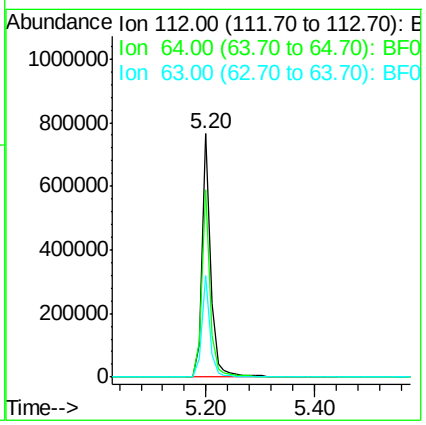
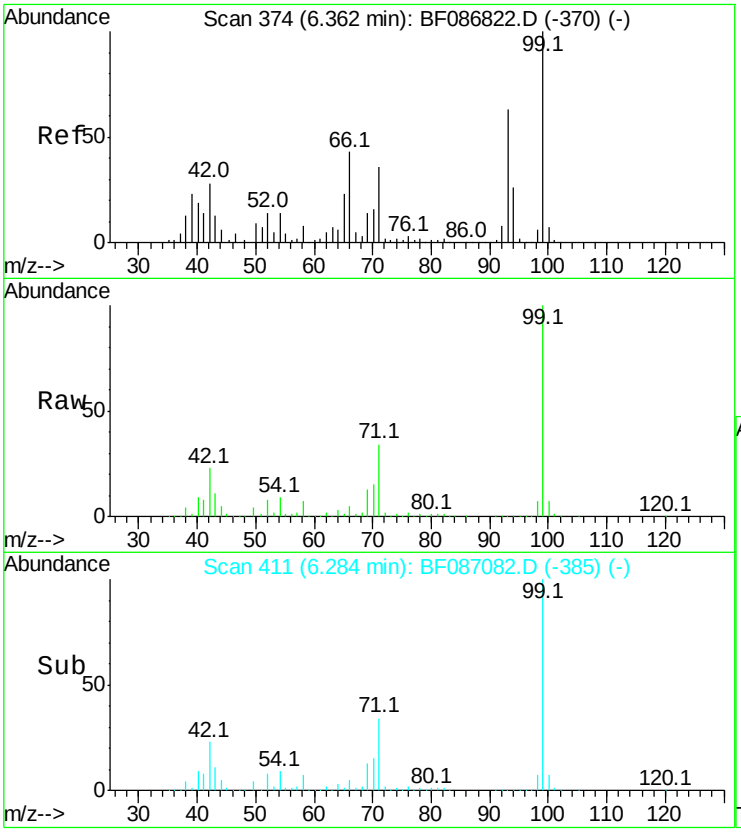


#5
2-Fluorophenol
Concen: 103.82 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:112 Resp: 836493

Ion	Ratio	Lower	Upper
112	100		
64	76.9	52.1	78.1
63	41.9	25.7	38.5#

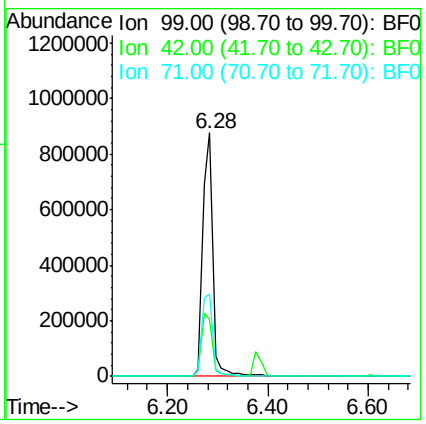




#7
Phenol-d6
Concen: 113.49 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion: 99 Resp: 1222039

Ion	Ratio	Lower	Upper
99	100		
42	23.1	13.6	20.4#
71	33.9	24.6	36.8



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

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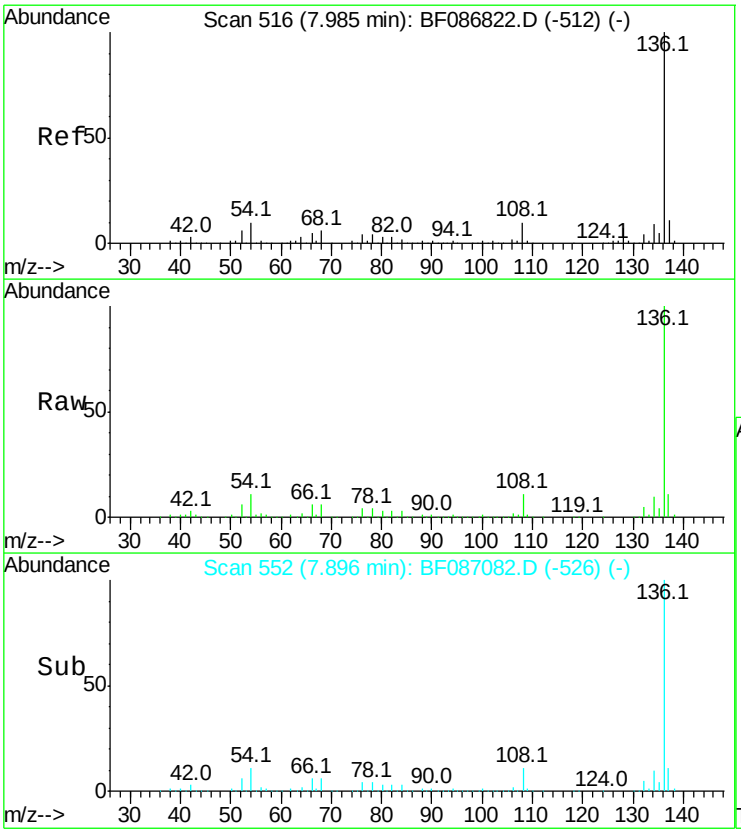
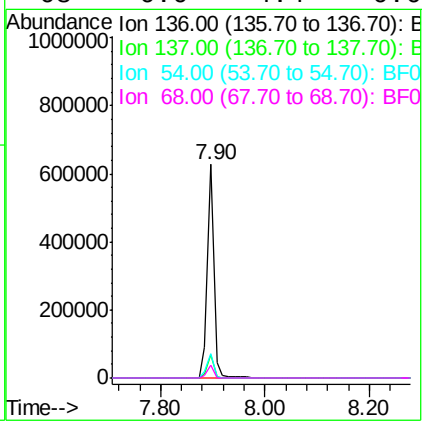
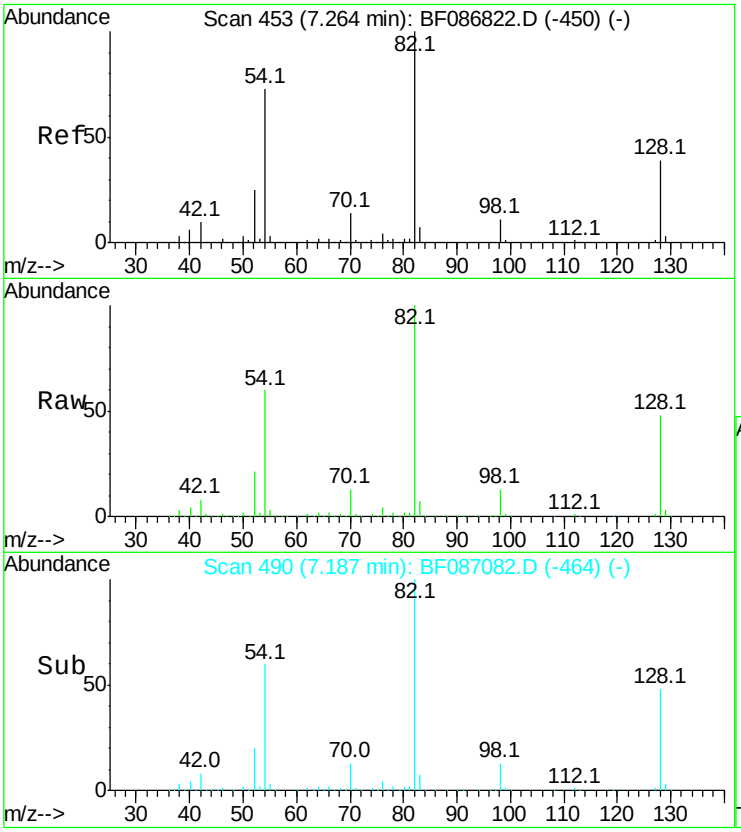


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:136 Resp: 549038

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	11.2	5.0	7.4#
68	6.0	4.4	6.6

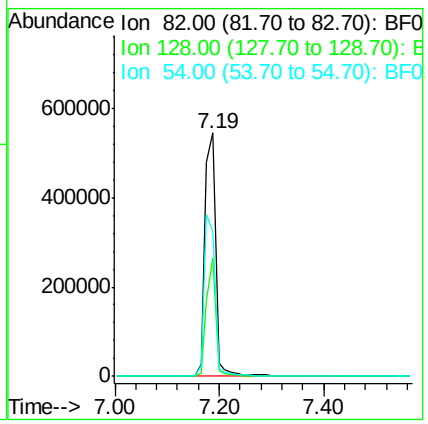




#23
Nitrobenzene-d5
Concen: 71.84 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion: 82 Resp: 785478

Ion	Ratio	Lower	Upper
82	100		
128	48.4	40.6	61.0
54	59.7	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Manual Integrations APPROVED
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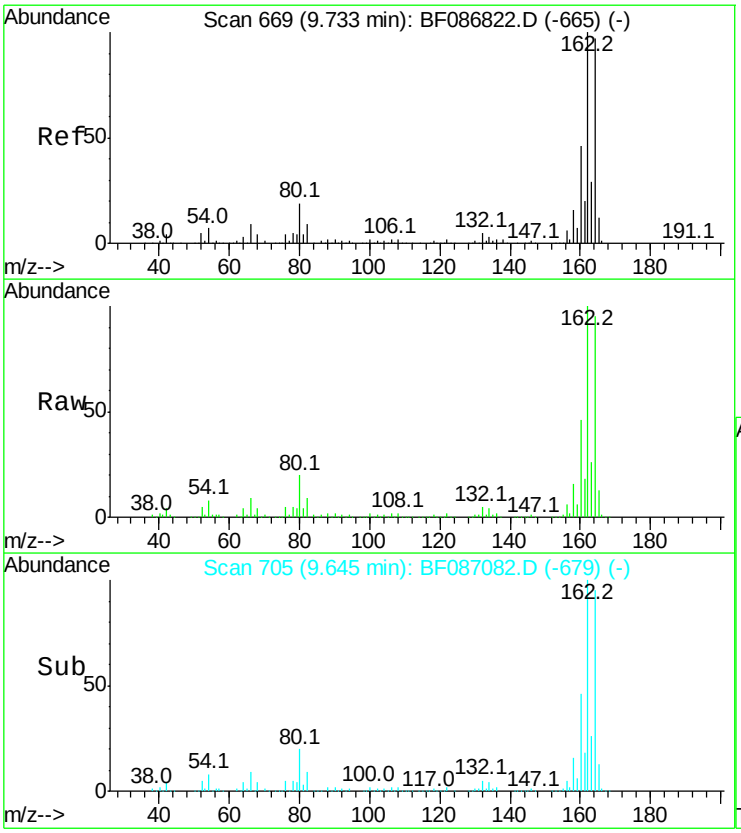
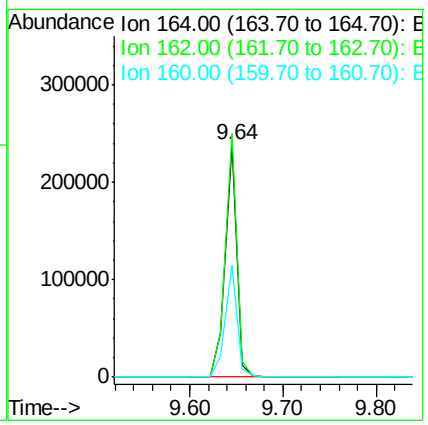
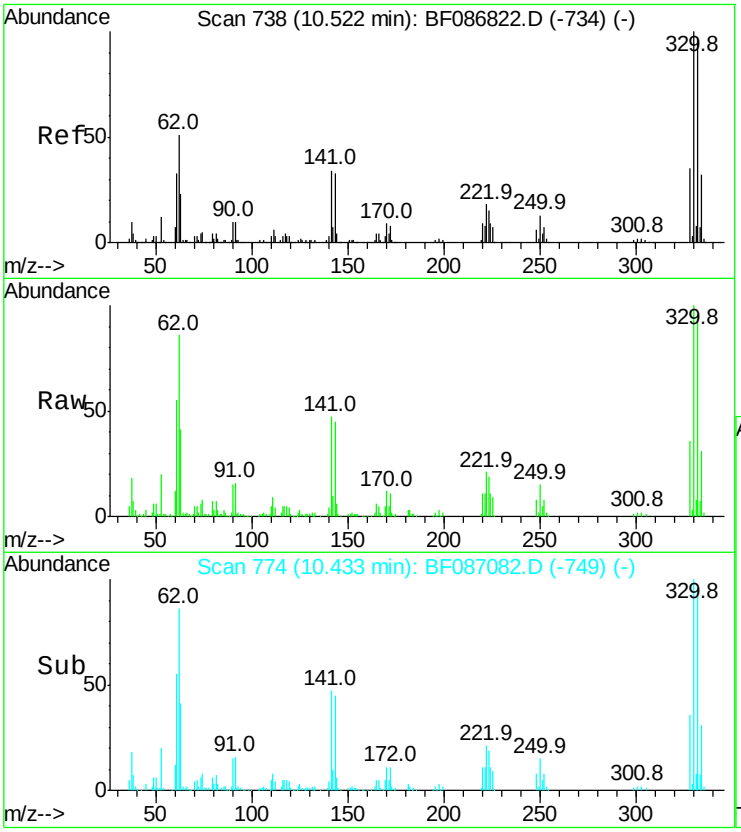


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:164 Resp: 206367

Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.8	124.2
160	48.2	36.9	55.3

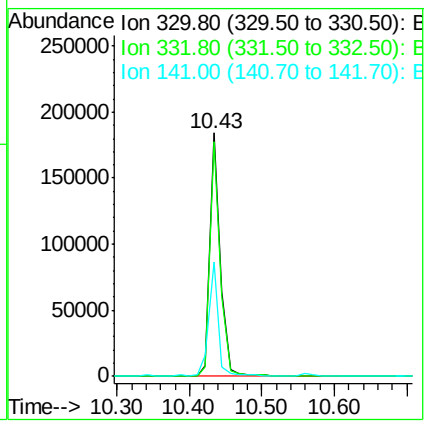




#41
2,4,6-Tribromophenol
Concen: 84.92 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:330 Resp: 185538

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.0	118.4
141	43.4	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

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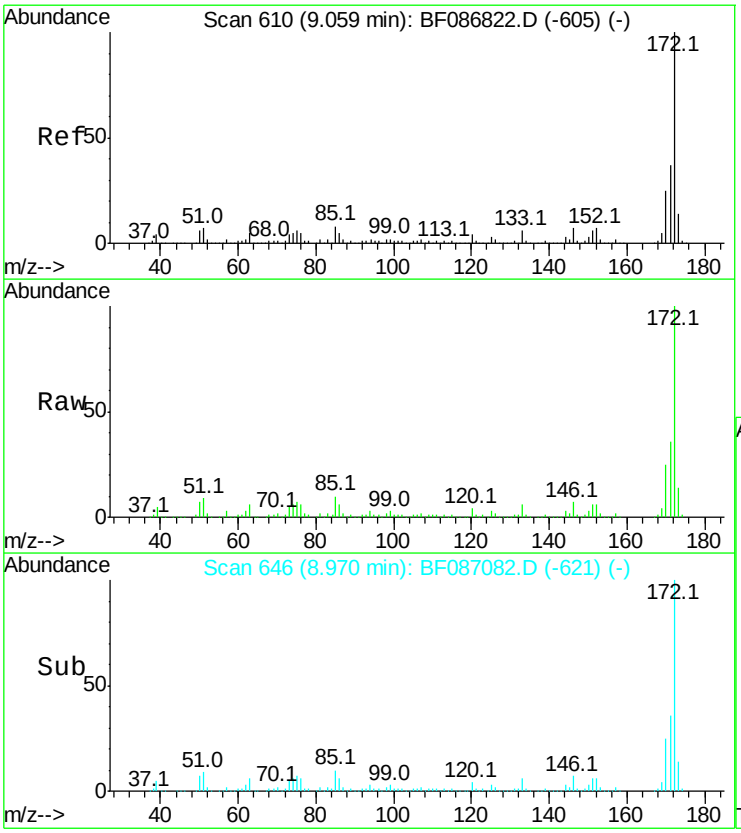
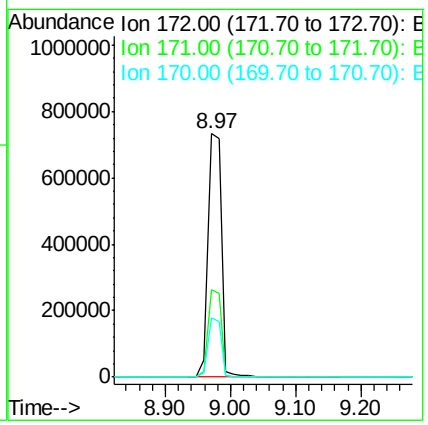
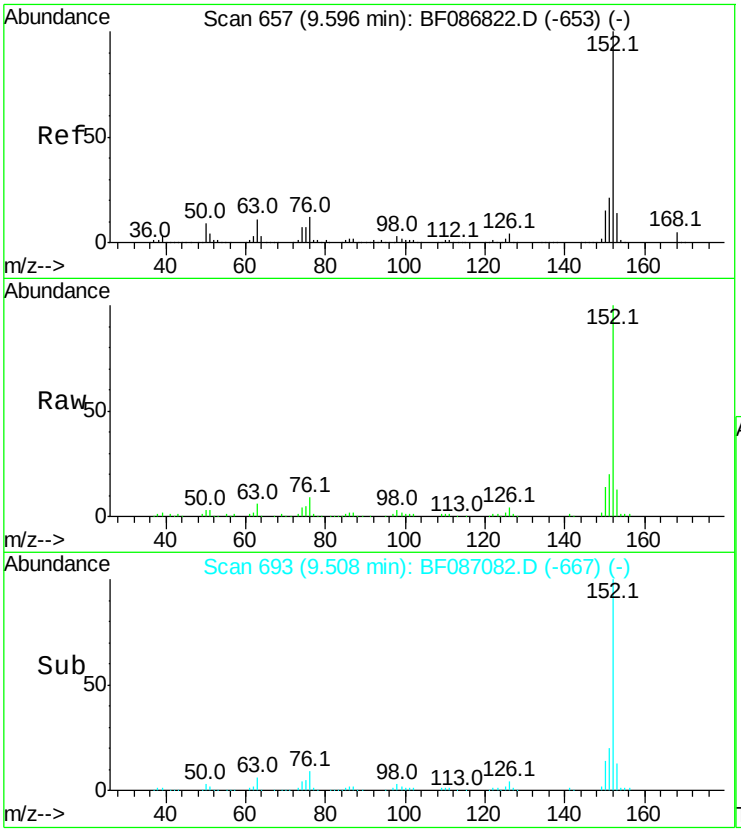


#44
2-Fluorobiphenyl
Concen: 86.59 ng
RT: 8.97 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:172 Resp: 1063250

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.5	19.8	29.8

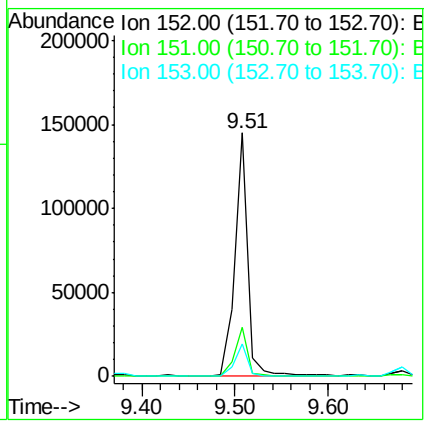




#48
Acenaphthylene
Concen: 7.36 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:152 Resp: 139258

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	13.4	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

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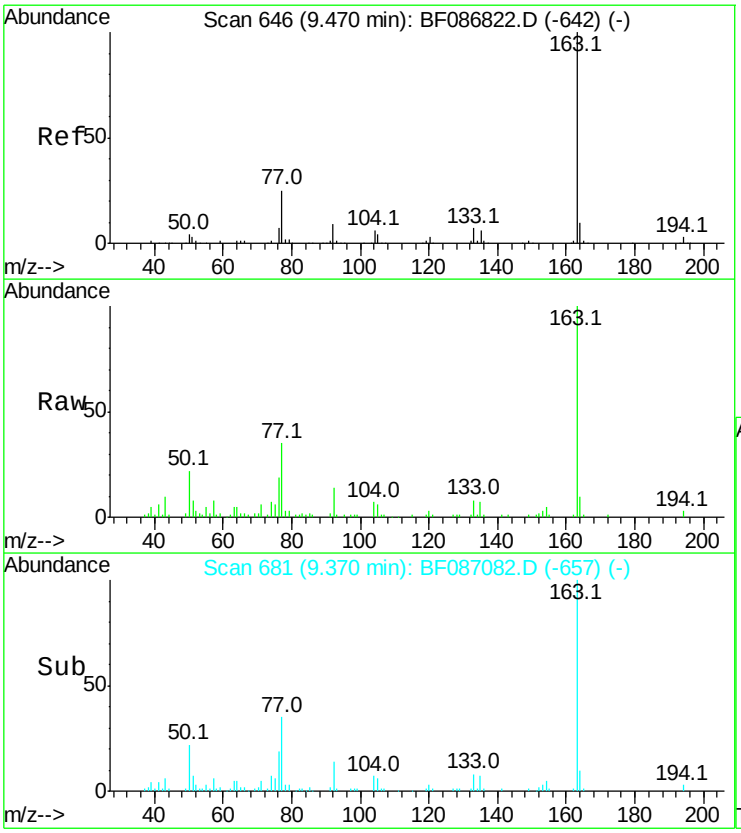
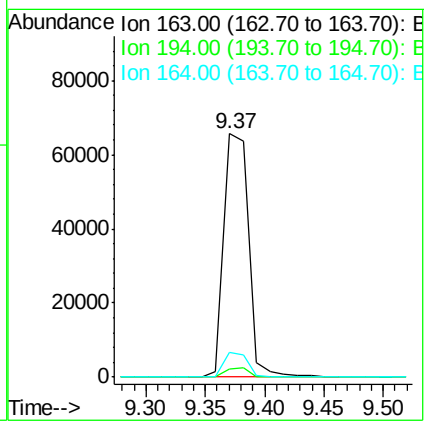
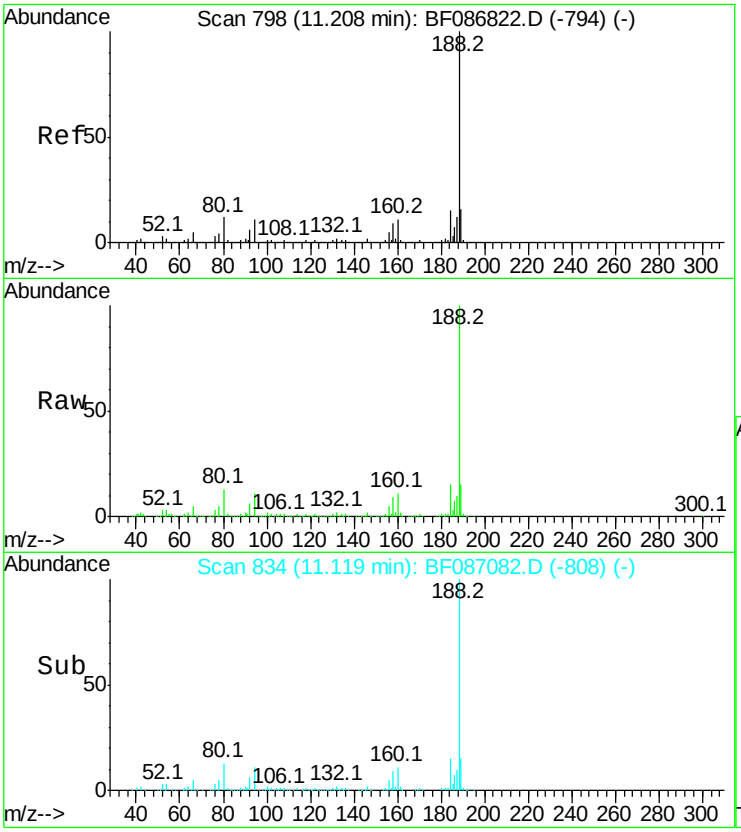


#49
Dimethylphthalate
Concen: 6.01 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:163 Resp: 94667

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.3	8.2	12.4

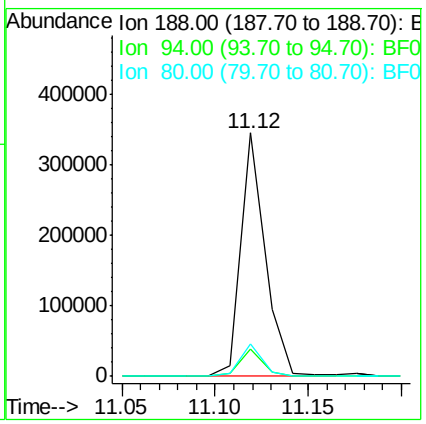




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:188 Resp: 319418

Ion	Ratio	Lower	Upper
188	100		
94	11.2	6.8	10.2#
80	13.1	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

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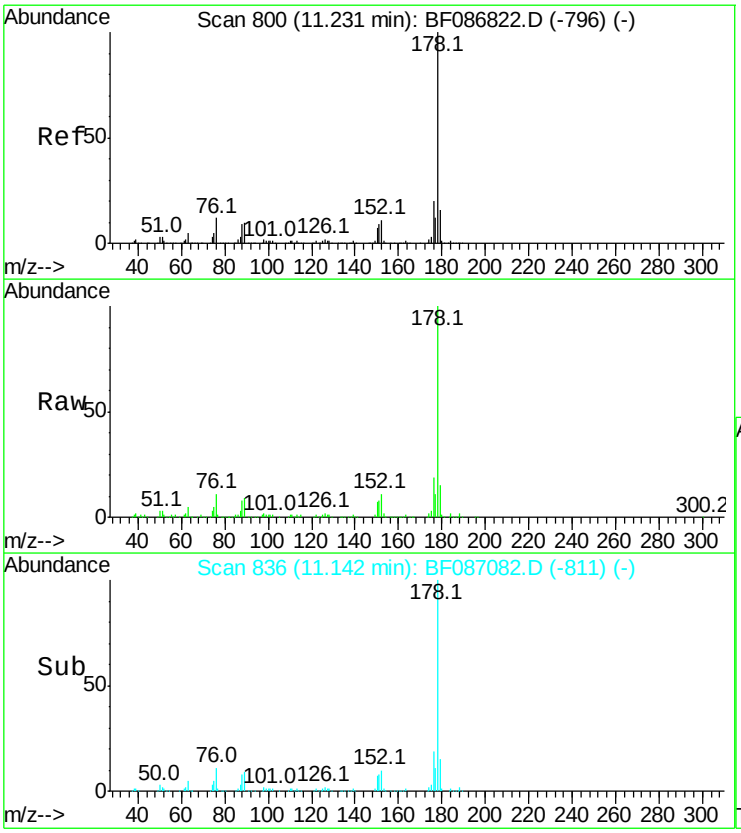
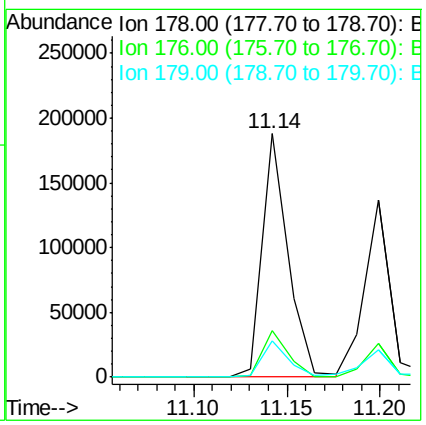
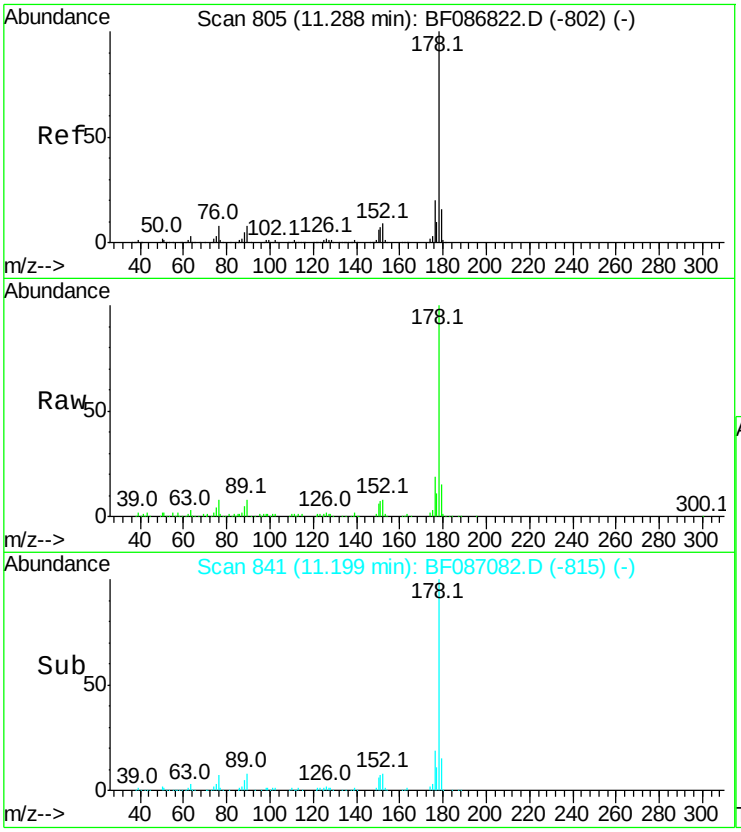


#70
Phenanthrene
Concen: 10.48 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:178 Resp: 178571

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.1	12.6	18.8

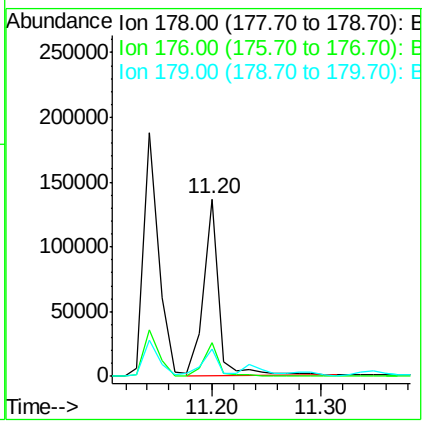




#71
Anthracene
Concen: 7.75 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:178 Resp: 135109

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.1	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Manual Integrations APPROVED
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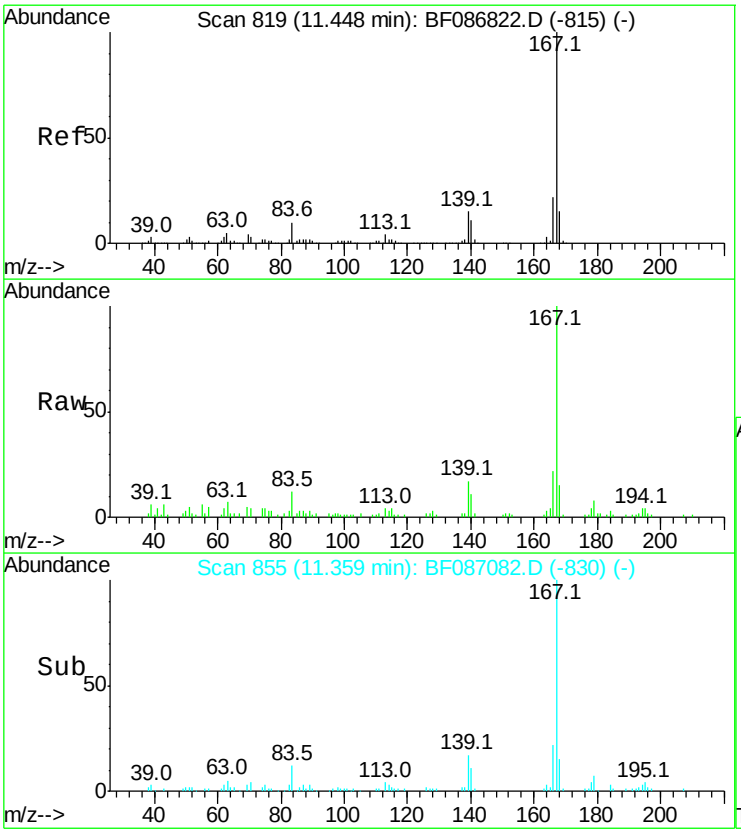
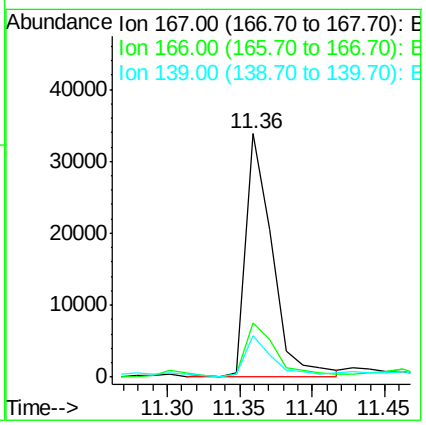
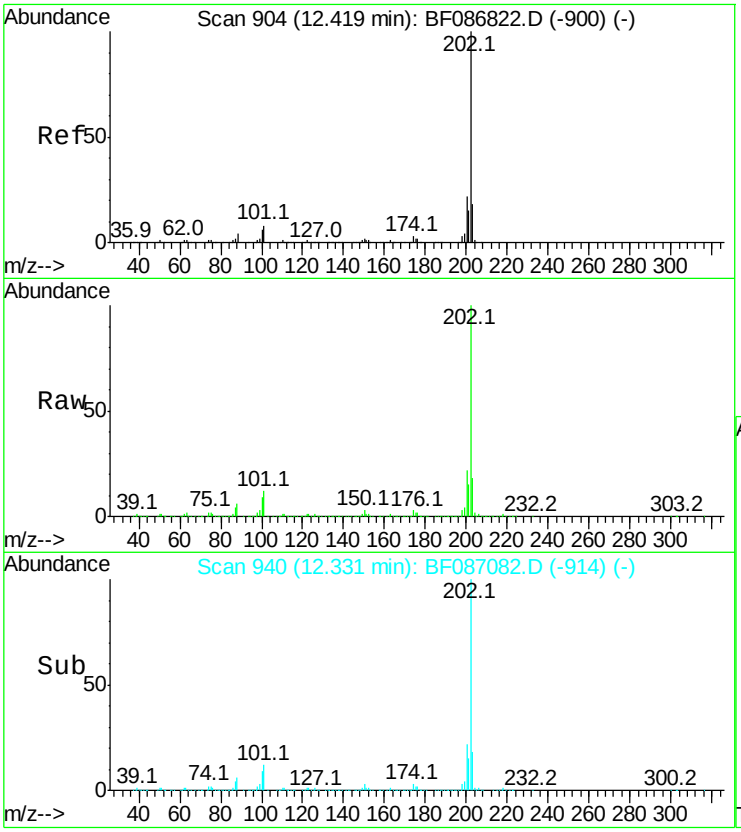


#72
Carbazole
Concen: 2.87 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:167 Resp: 43048

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.7	26.5
139	16.9	10.8	16.2#

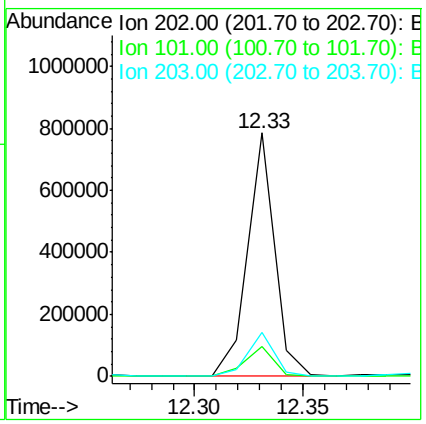




#74
Fluoranthene
Concen: 38.76 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:202 Resp: 679492

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	35.4
203	18.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

Manual Integrations APPROVED
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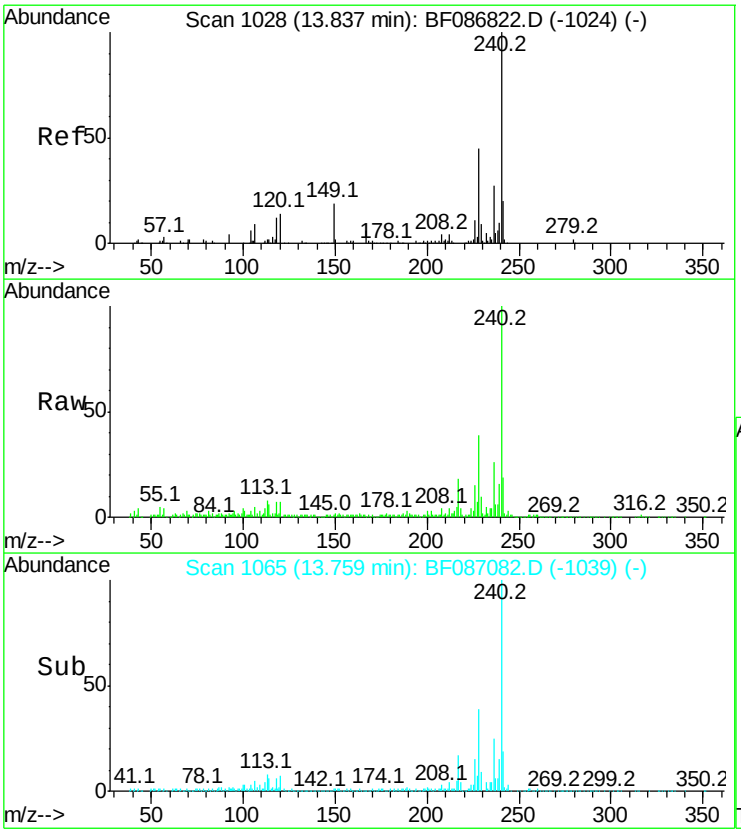
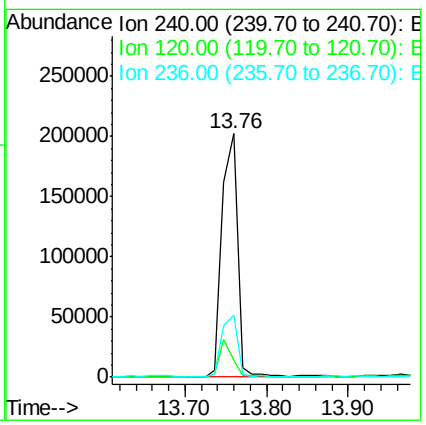
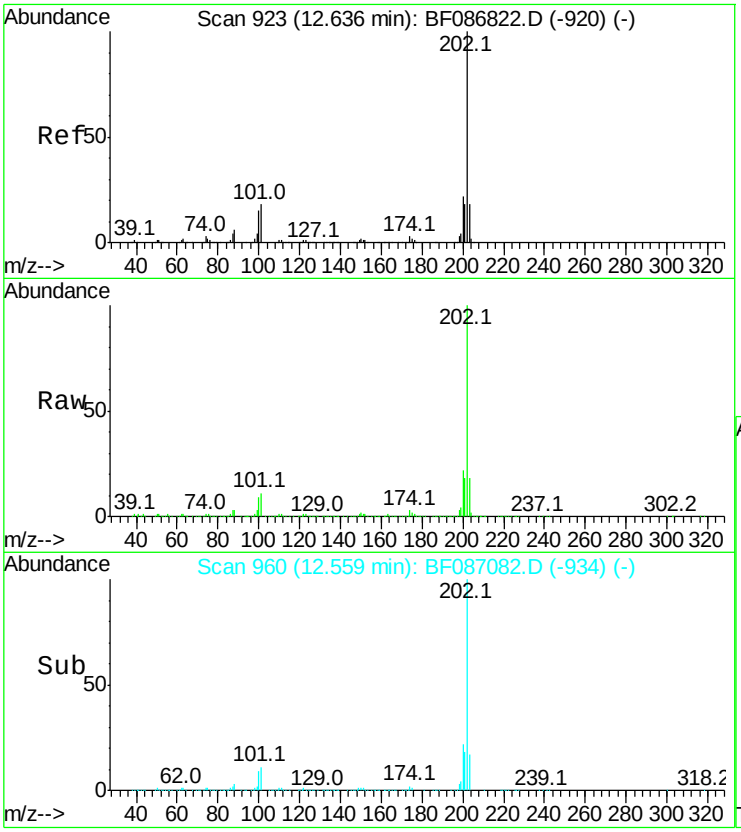


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:240 Resp: 262909

Ion	Ratio	Lower	Upper
240	100		
120	7.2	11.2	16.8#
236	25.6	21.2	31.8

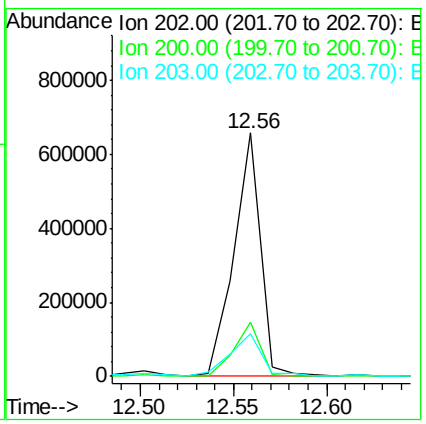




#77
Pyrene
Concen: 32.50 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:202 Resp: 654167

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.7	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
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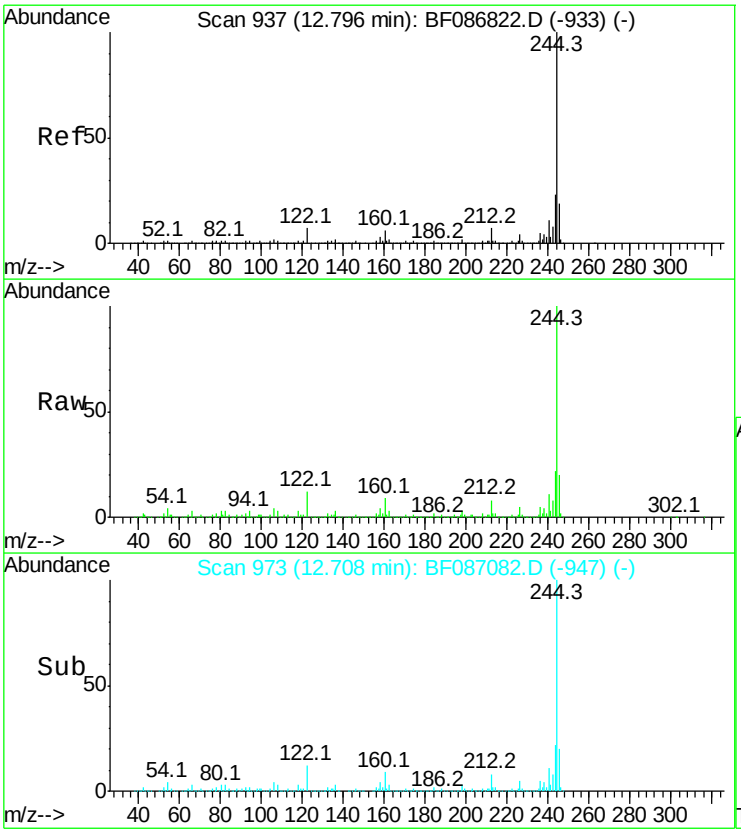
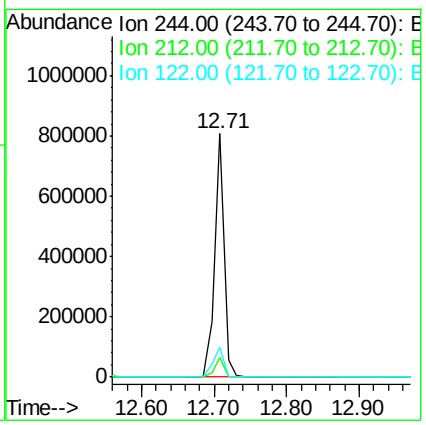
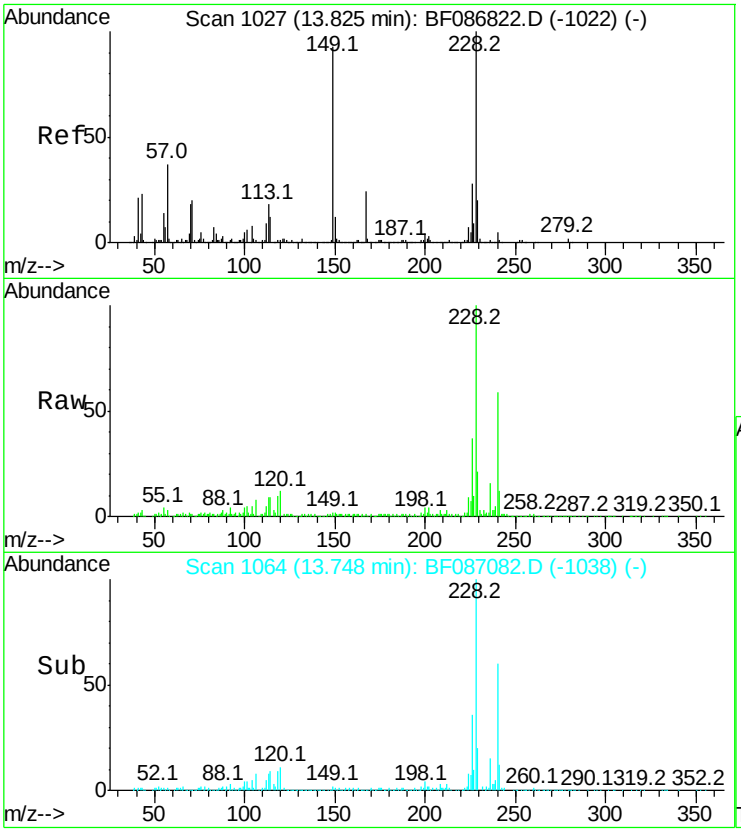


#78
Terphenyl-d14
Concen: 59.28 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:244 Resp: 734579

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	12.5	12.0	18.0

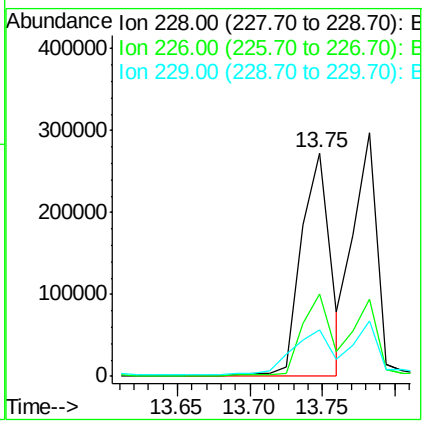




#80
Benzo(a)anthracene
Concen: 25.54 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:228 Resp: 377003

Ion	Ratio	Lower	Upper
228	100		
226	37.0	22.5	33.7#
229	21.0	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SPARTAPARK-1542-00(0-2)RE

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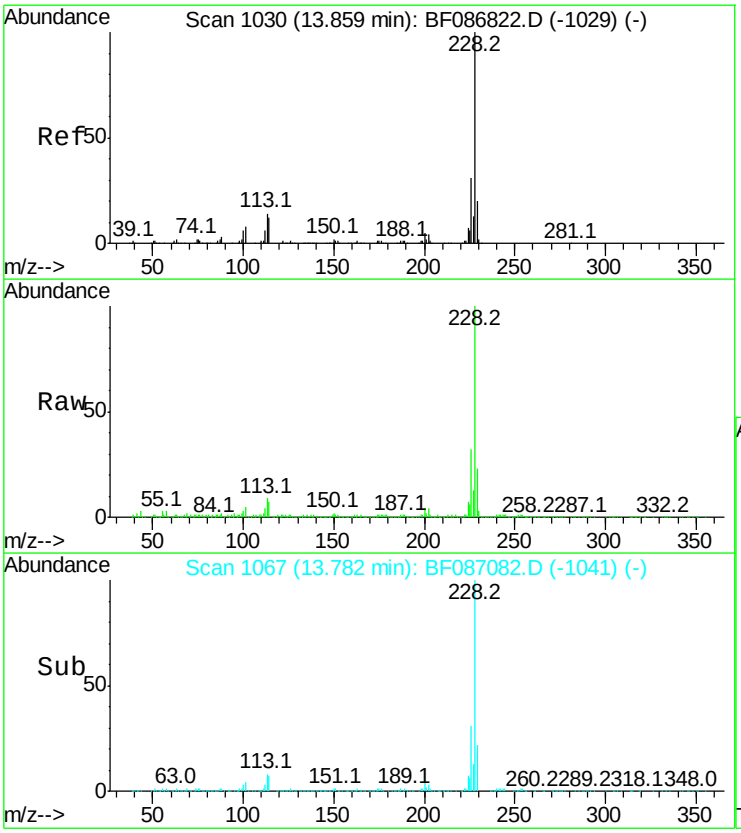
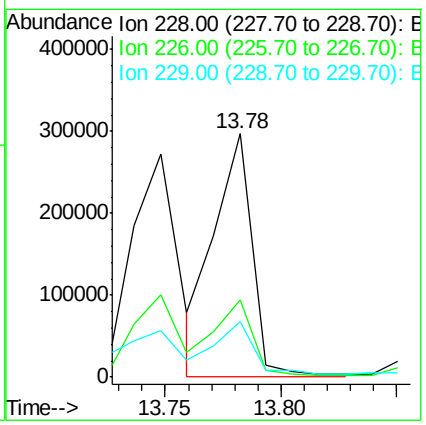
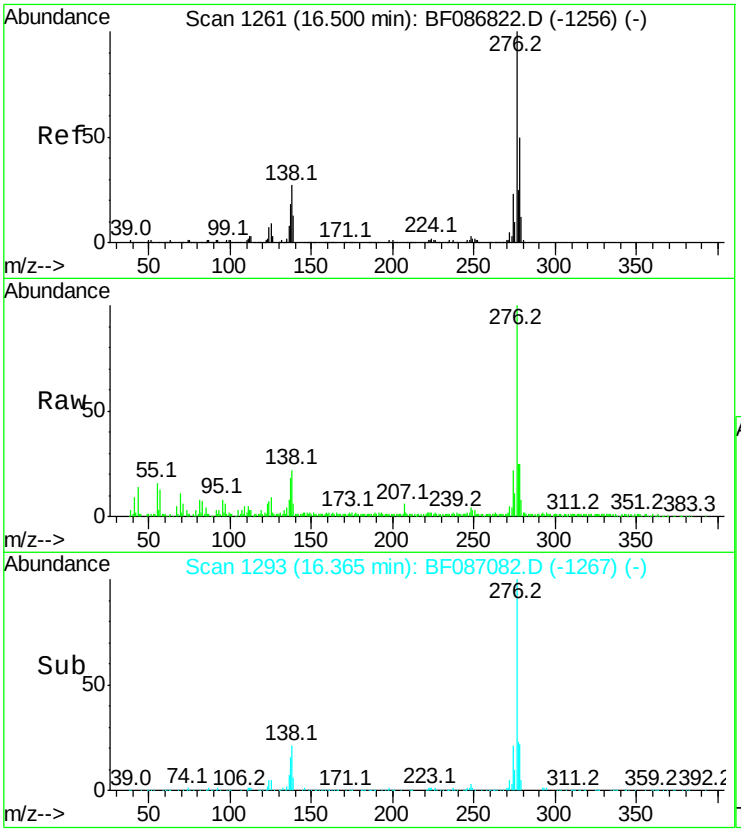


#82
Chrysene
Concen: 22.79 ng m
RT: 13.78 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:228 Resp: 342218

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.4	36.6
229	22.9	15.8	23.8





#85
Indeno(1,2,3-cd)pyrene
Concen: 12.31 ng m
RT: 16.37 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:276 Resp: 153757

Ion	Ratio	Lower	Upper
276	100		
138	6.6	25.6	38.4#
277	4.5	20.5	30.7#

Instrument :
BNA_F
ClientSampleId :
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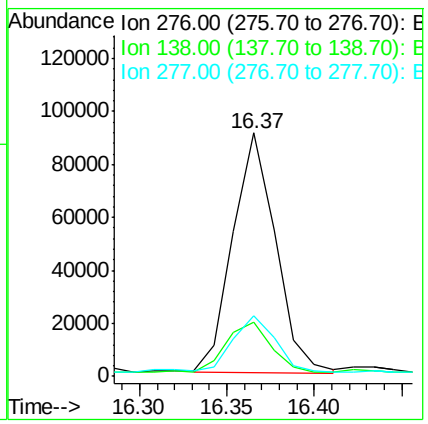
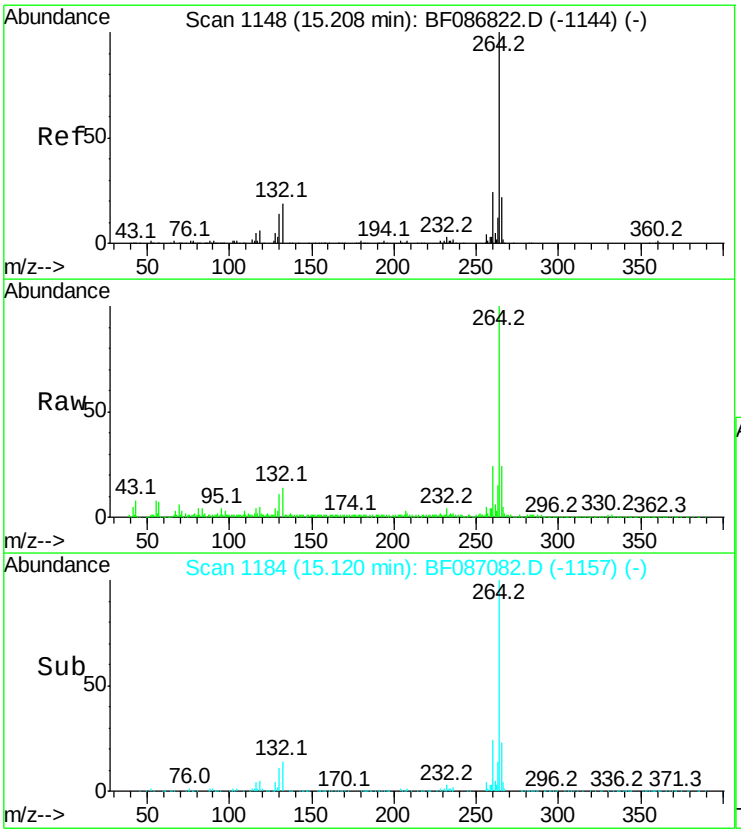
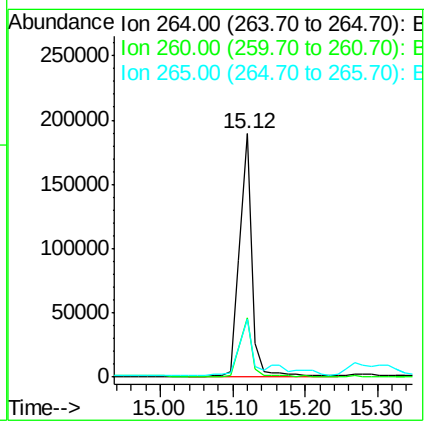


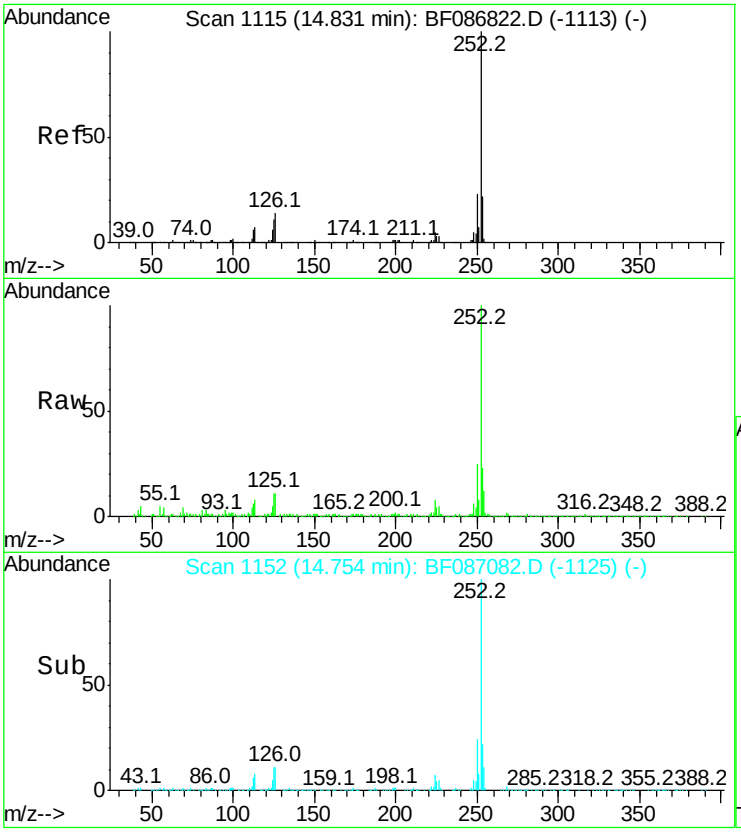


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:264 Resp: 222785

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.8	17.3	25.9

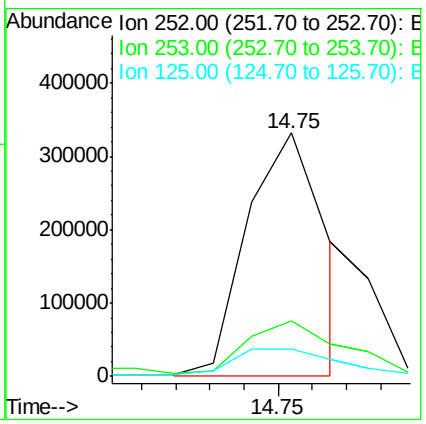




#87
Benzo(b)fluoranthene
Concen: 36.57 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:252 Resp: 529487

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.5	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
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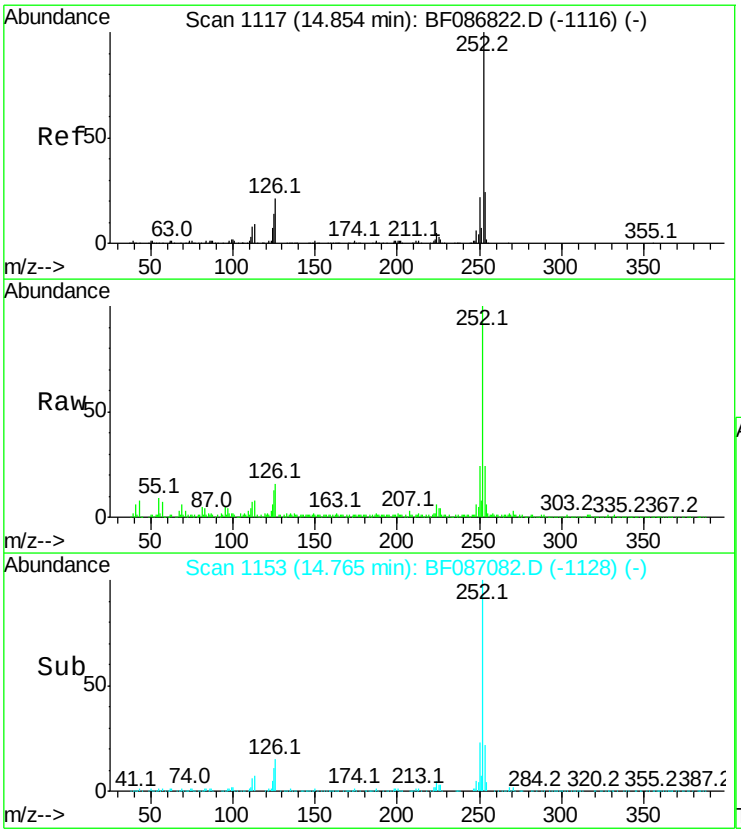
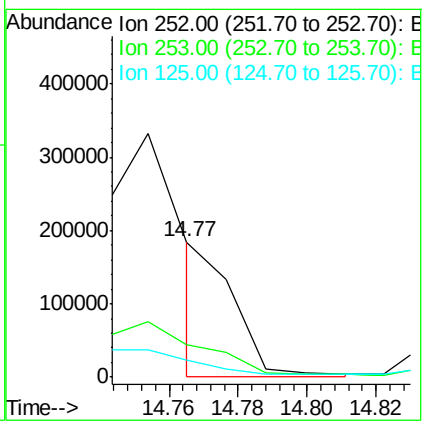
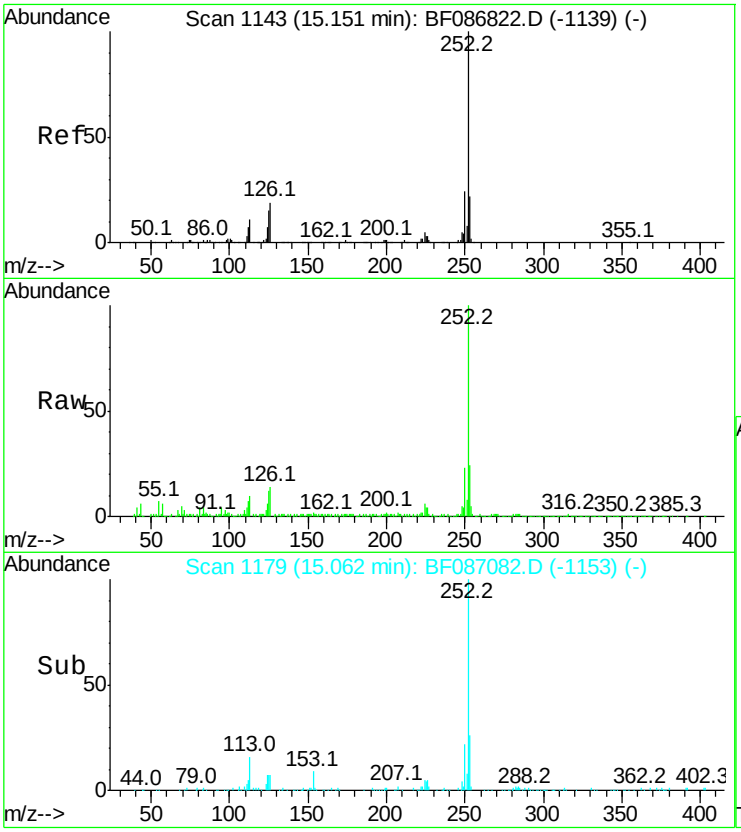


#88
Benzo(k)fluoranthene
Concen: 8.75 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:252 Resp: 103693

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.9	9.1	13.7





#89
Benzo(a)pyrene
Concen: 19.44 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:252 Resp: 242758

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	11.7	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
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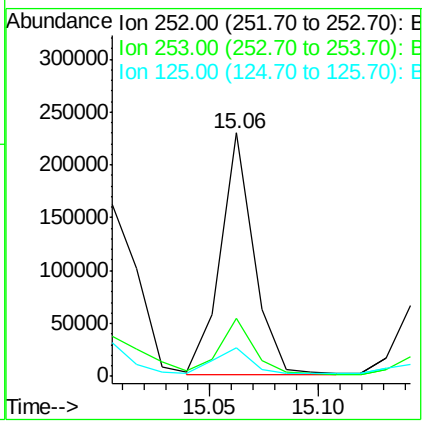
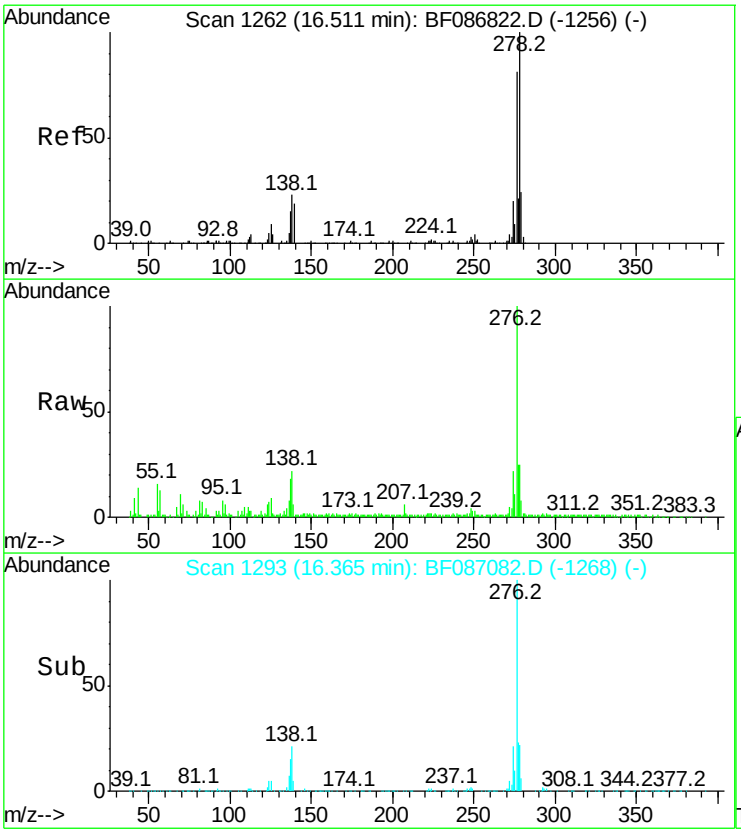
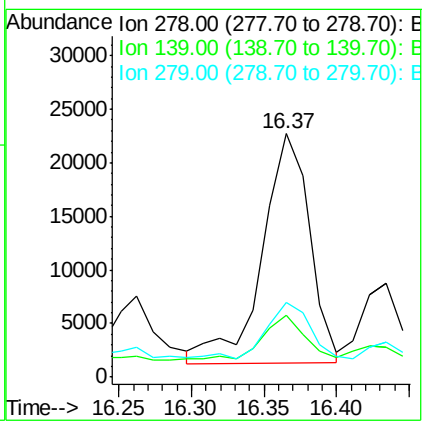


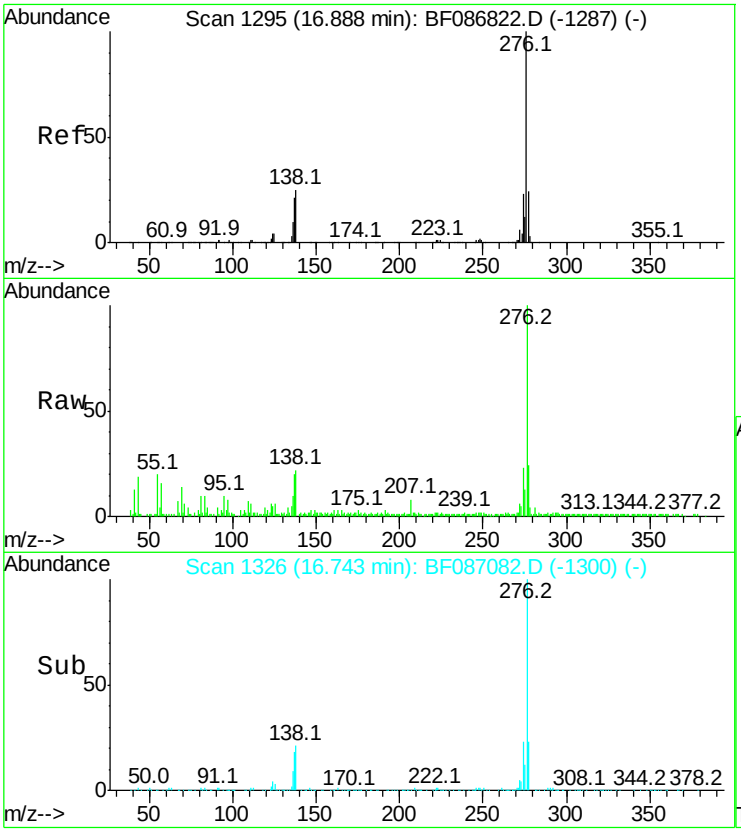


#90
Dibenzo(a,h)anthracene
Concen: 4.63 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:278 Resp: 48762

Ion	Ratio	Lower	Upper
278	100		
139	25.6	16.6	24.8#
279	30.7	19.6	29.4#

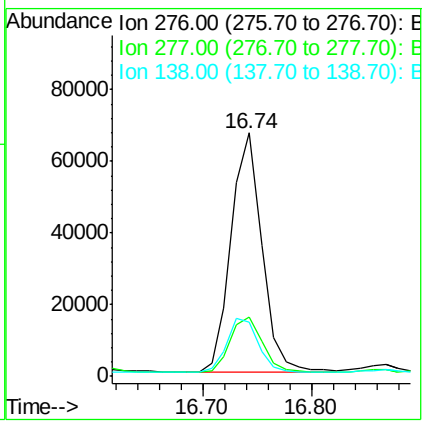




#91
Benzo(g,h,i)perylene
Concen: 12.21 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF087082.D
Acq: 16 May 2016 15:36

Tgt Ion:276 Resp: 130602

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	22.3	23.6	35.4#



Instrument :
BNA_F
ClientSampleId :
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