Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114300.D
Acq On : 15 May 2019 22:19
Operator : JU/SJ
Sample : K2767-12DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01DL

Manual Integrations APPROVED
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5/16/2019 9:51:20 AM

Quant Time: May 16 01:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	250256	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	981408	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	464452	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	873986	20.00	ng	0.00
76) Chrysene-d12	14.03	240	496816	20.00	ng	0.00
87) Perylene-d12	15.51	264	568367	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	818295	52.62	ng	0.00
7) Phenol-d6	6.49	99	1117425	60.75	ng	0.00
23) Nitrobenzene-d5	7.41	82	702149	40.15	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	236200	49.19	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1005561	32.75	ng	0.00
79) Terphenyl-d14	12.96	244	782839	32.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	410484	8.954	ng	97
32) Benzoic acid	7.88	122	6341m	7.580	ng	
37) 2-Methylnaphthalene	8.85	142	180275	6.095	ng	97
38) 1-Methylnaphthalene	8.95	142	121663	4.368	ng	98
49) Acenaphthylene	9.75	152	777980	16.939	ng	98
50) Dimethylphthalate	9.60	163	220694	6.473	ng	99
58) Fluorene	10.43	166	91590	2.869	ng	97
71) Phenanthrene	11.40	178	2137061	50.260	ng	99
72) Anthracene	11.45	178	342797	8.026	ng	98
75) Fluoranthene	12.60	202	2652256	57.923	ng	97
78) Pyrene	12.83	202	4444711	111.211	ng	97
81) Benzo(a)anthracene	14.02	228	1721864m	53.584	ng	
83) Chrysene	14.06	228	2069129m	65.686	ng	
86) Indeno(1,2,3-cd)pyrene	17.00	276	878388	31.552	ng	96
88) Benzo(b)fluoranthene	15.09	252	2317811m	63.654	ng	
89) Benzo(k)fluoranthene	15.10	252	464653m	13.891	ng	
90) Benzo(a)pyrene	15.46	252	1615555	50.413	ng	100
91) Dibenzo(a,h)anthracene	17.00	278	235988m	8.862	ng	
92) Benzo(g,h,i)perylene	17.45	276	970220	36.357	ng	99

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

Quantitation Report (QT Reviewed)

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Data File : BF114300.D
Acq On : 15 May 2019 22:19
Operator : JU/SJ
Sample : K2767-12DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 16 01:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

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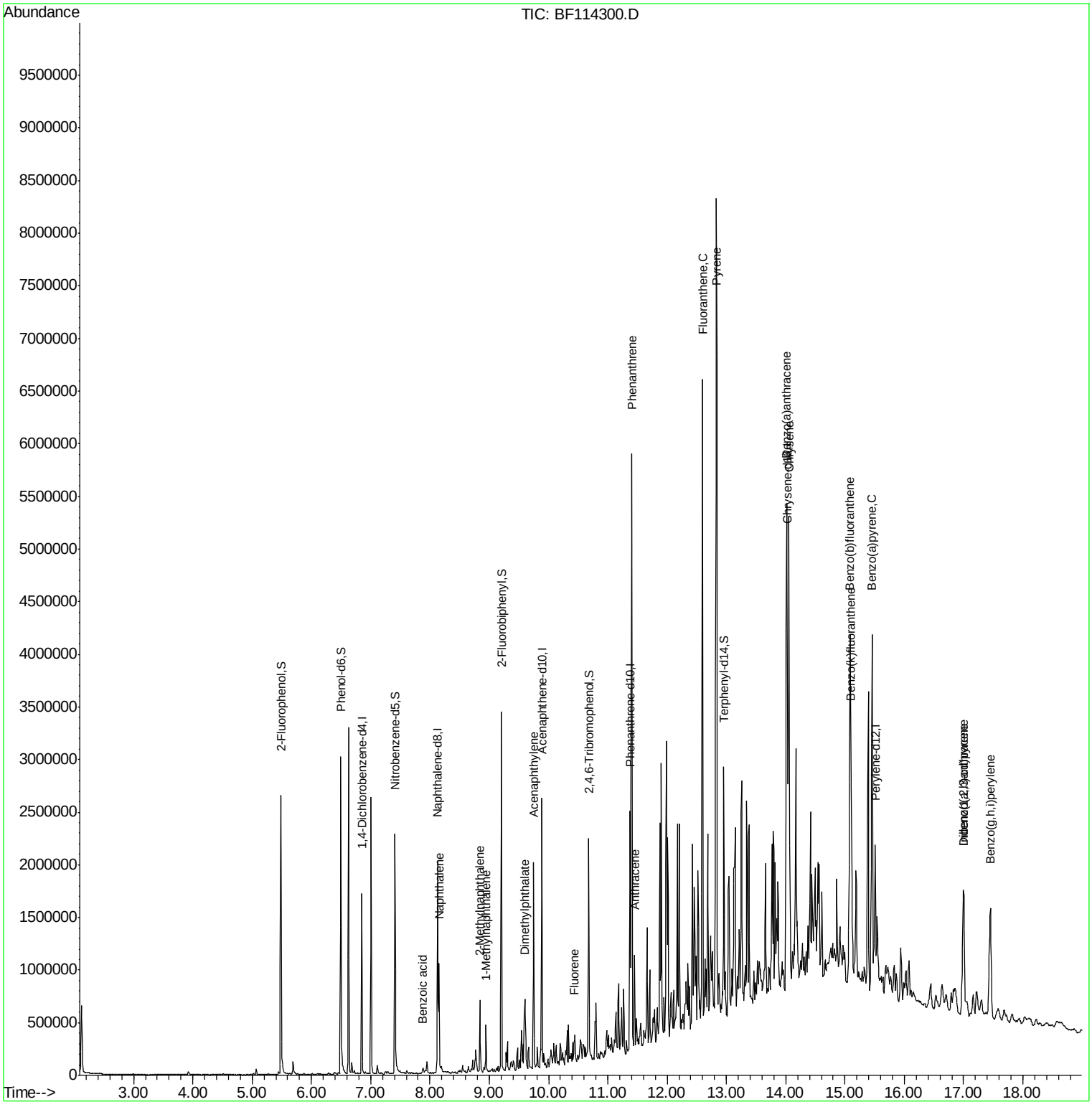
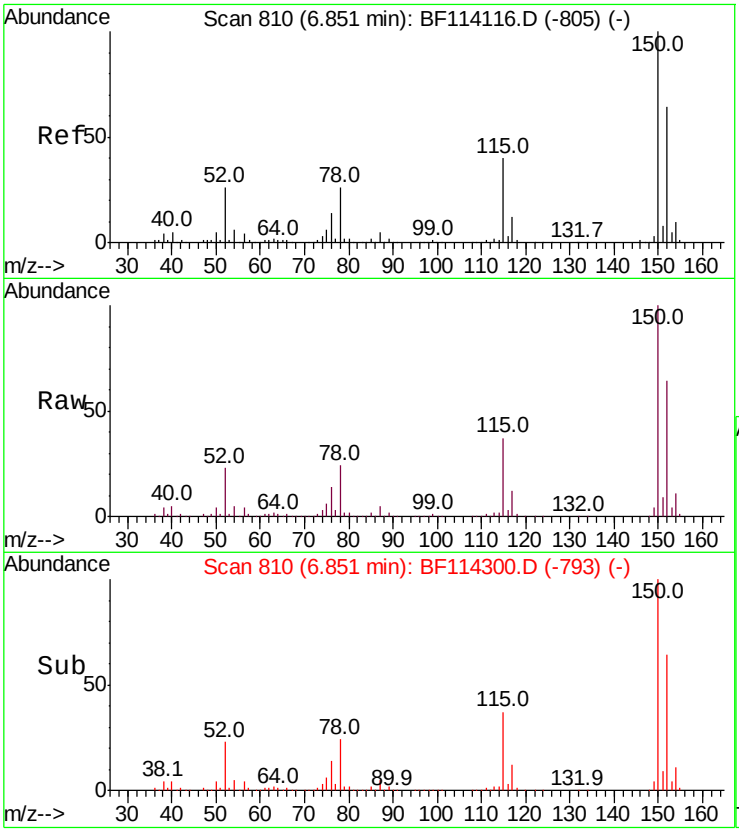
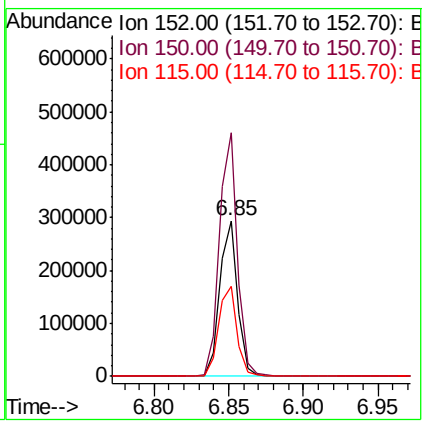




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:152 Resp: 250256

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.3	186.5
115	57.5	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

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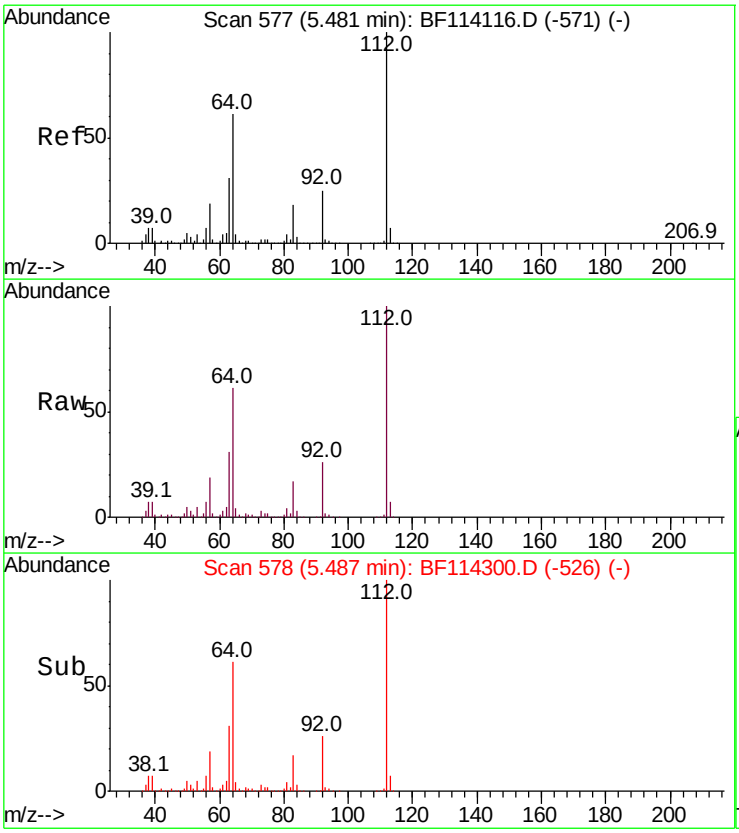
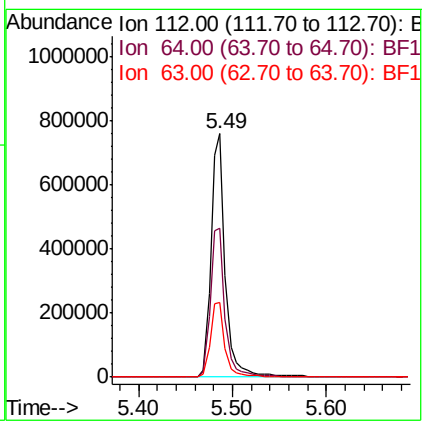
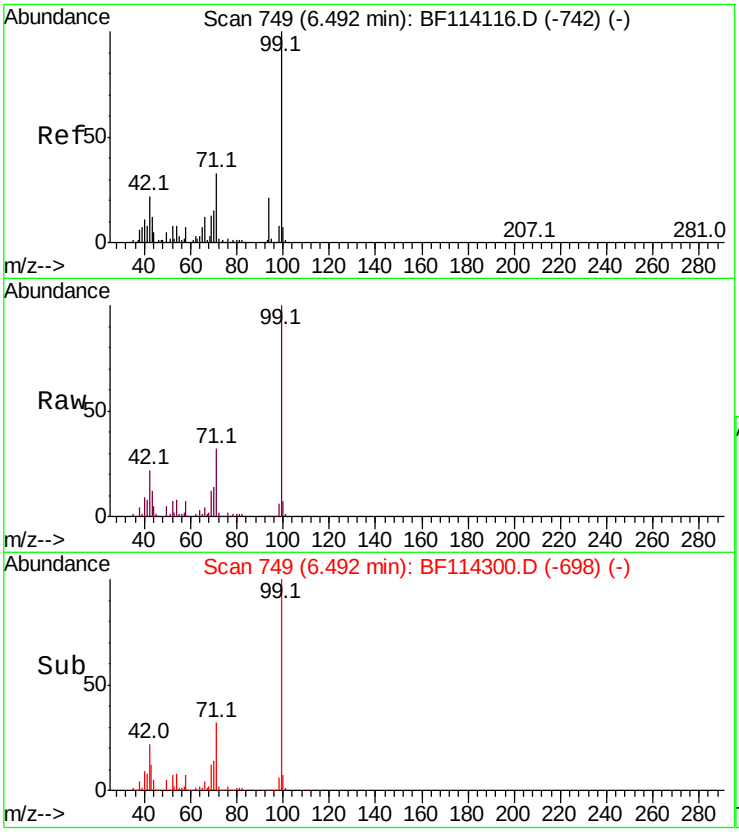


#5
2-Fluorophenol
Concen: 52.620 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:112 Resp: 818295

Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	30.9	24.6	37.0

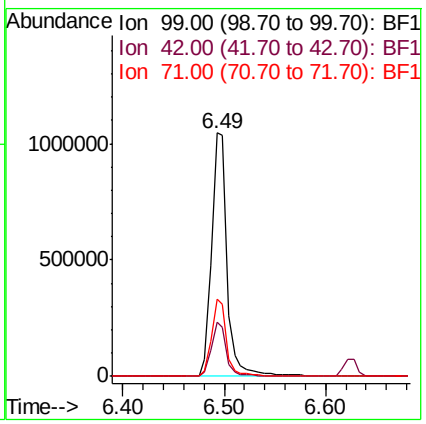




#7
Phenol-d6
Concen: 60.754 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion: 99 Resp: 1117425

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.9	26.9
71	31.9	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

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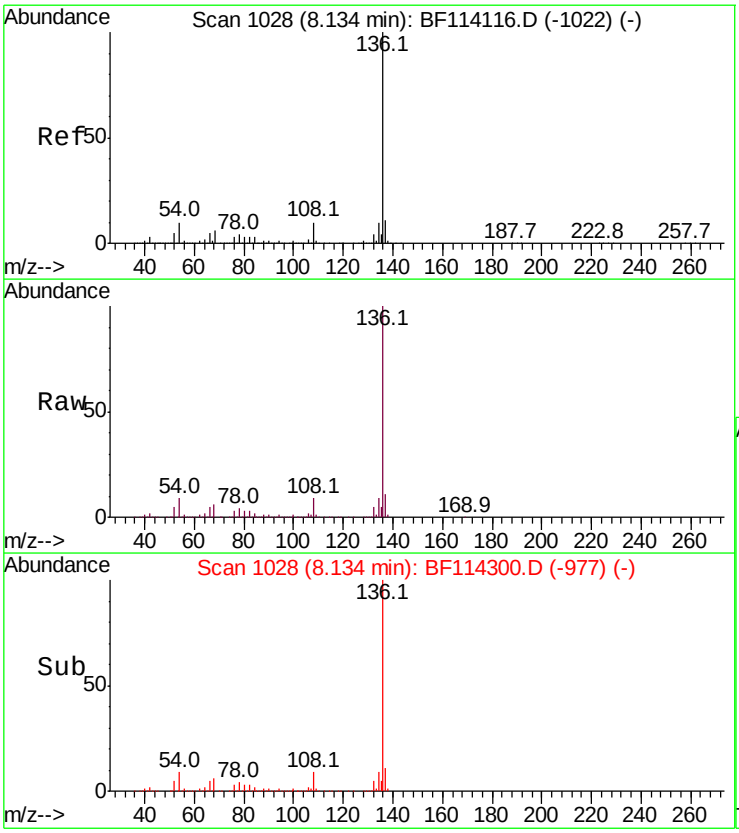
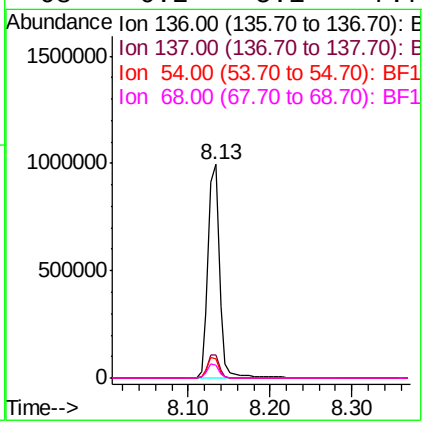
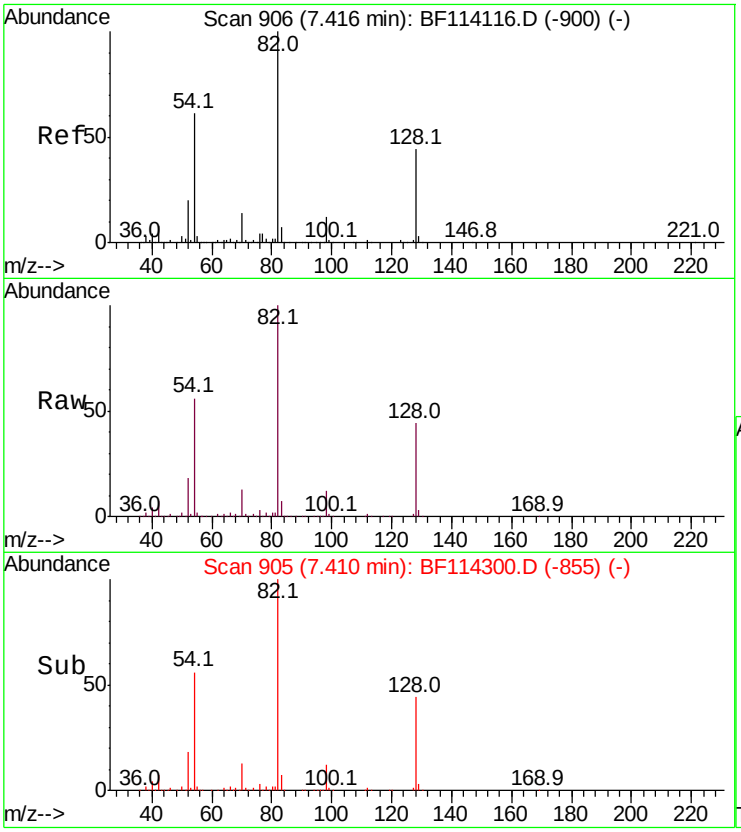


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:136 Resp: 981408

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.2	7.8	11.8
68	6.2	5.1	7.7

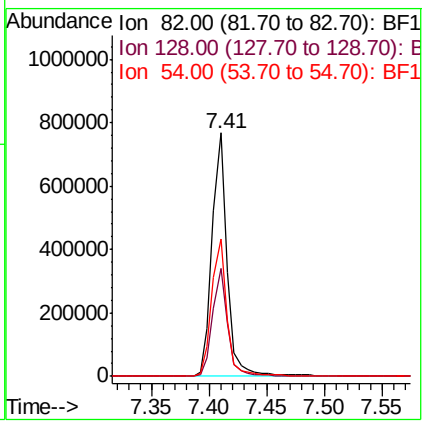




#23
Nitrobenzene-d5
Concen: 40.151 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion: 82 Resp: 702149

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.5	53.3
54	56.4	48.5	72.7



Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

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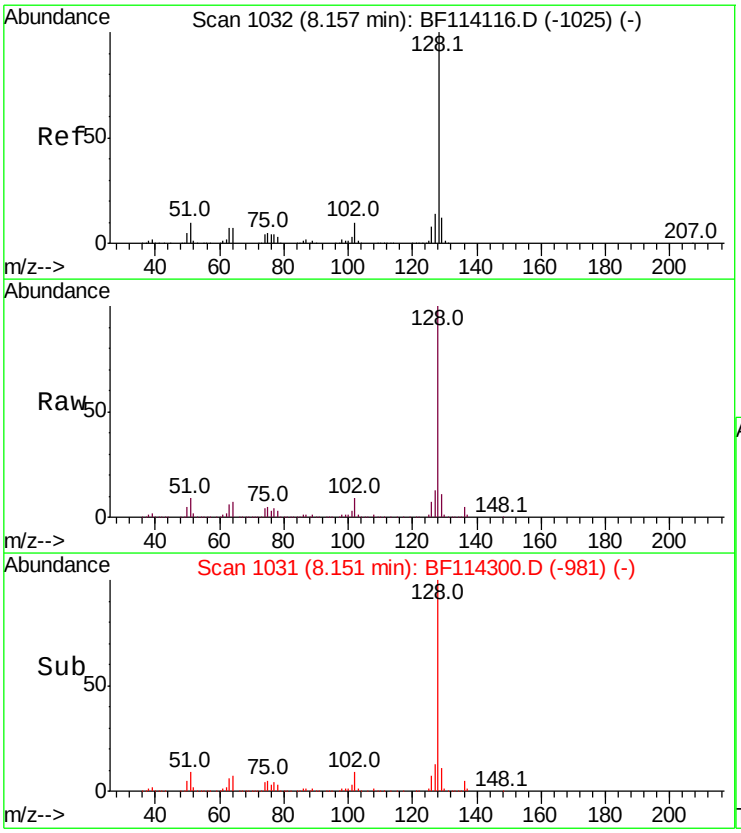
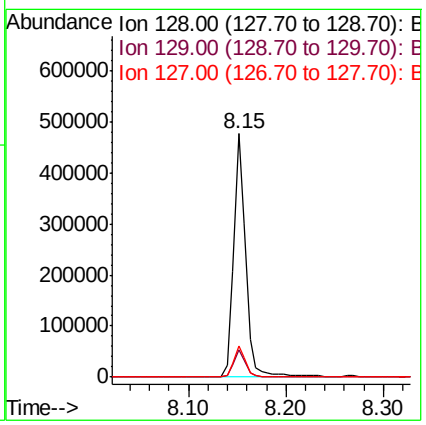
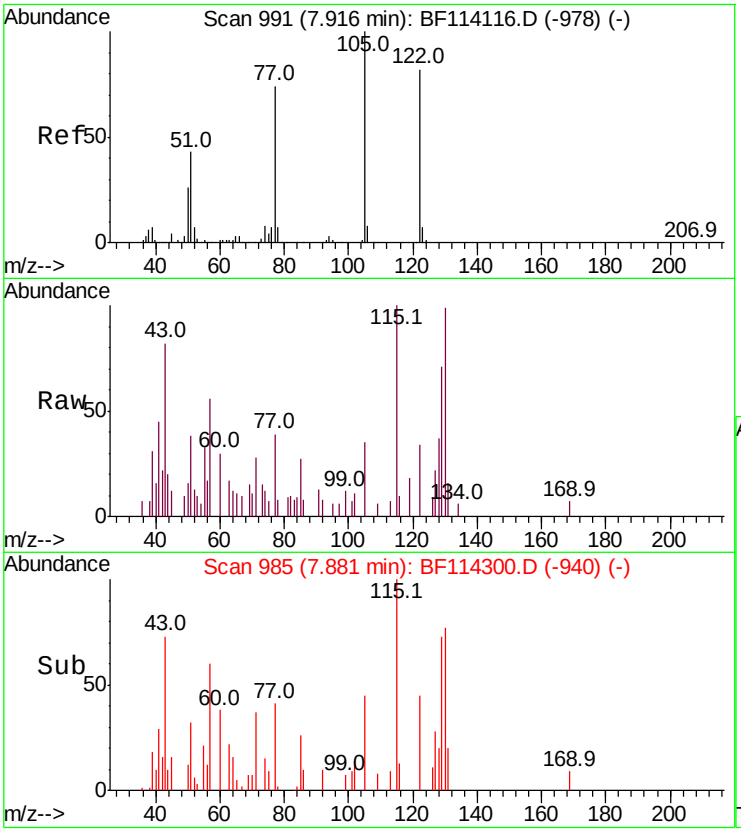


#31
Naphthalene
Concen: 8.954 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:128 Resp: 410484

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	13.0	11.3	16.9

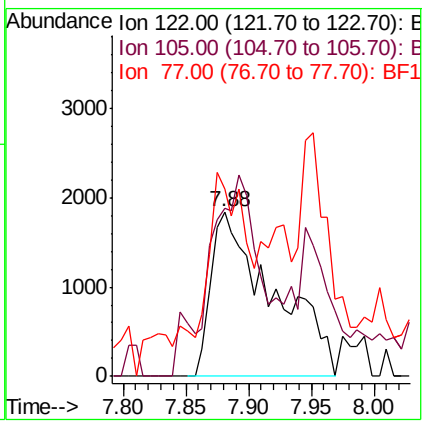




#32
Benzoic acid
Concen: 7.580 ng m
RT: 7.88 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:122 Resp: 6341

Ion	Ratio	Lower	Upper
122	100		
105	102.0	99.9	139.9
77	113.4	69.4	109.4#



Instrument :
BNA_F
ClientSampleId :
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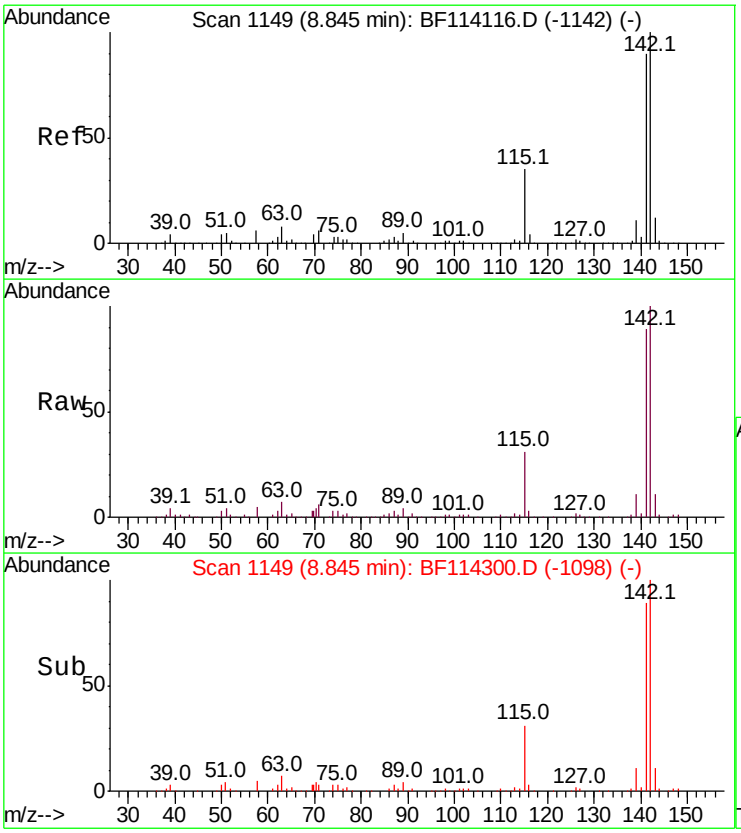
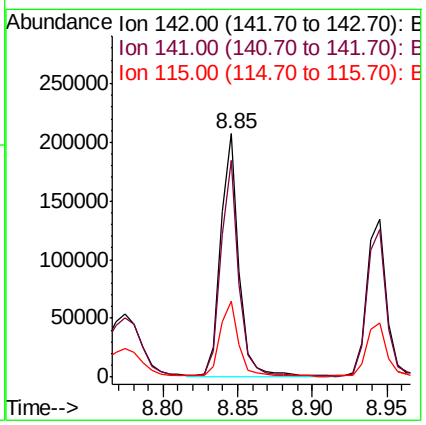
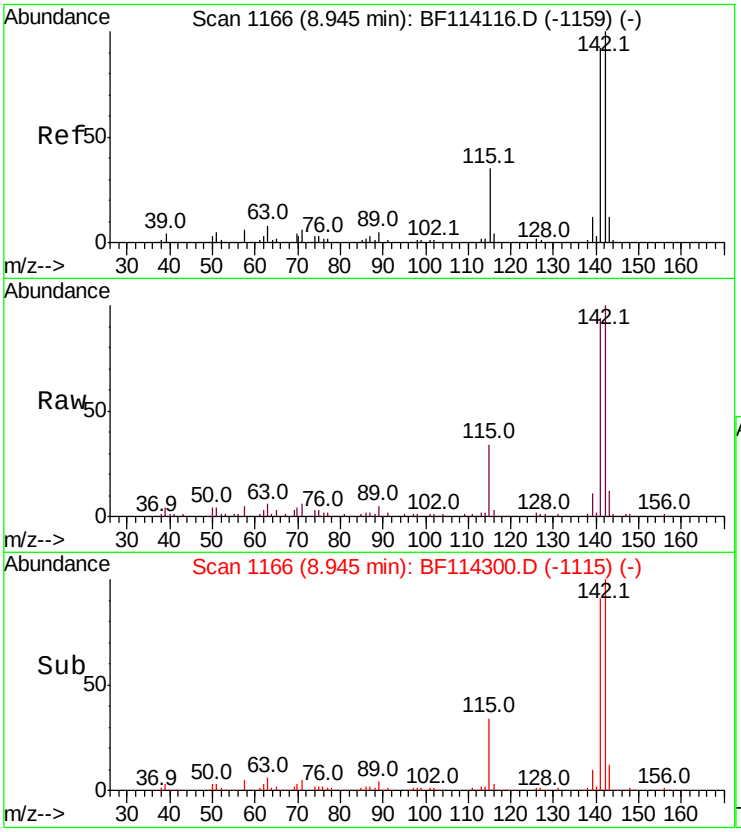


#37
2-Methylnaphthalene
Concen: 6.095 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:142 Resp: 180275

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.1	108.1
115	31.2	28.0	42.0

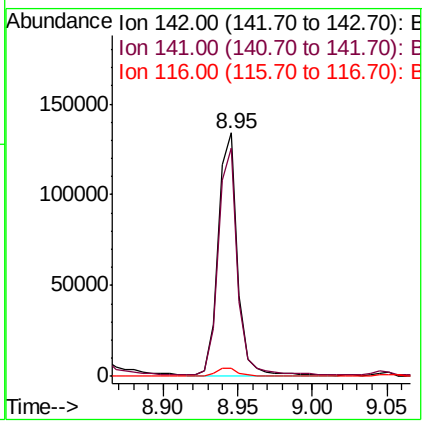




#38
1-Methylnaphthalene
Concen: 4.368 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:142 Resp: 121663

Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.4	110.0
116	3.4	3.1	4.7



Instrument :
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ClientSampleId :
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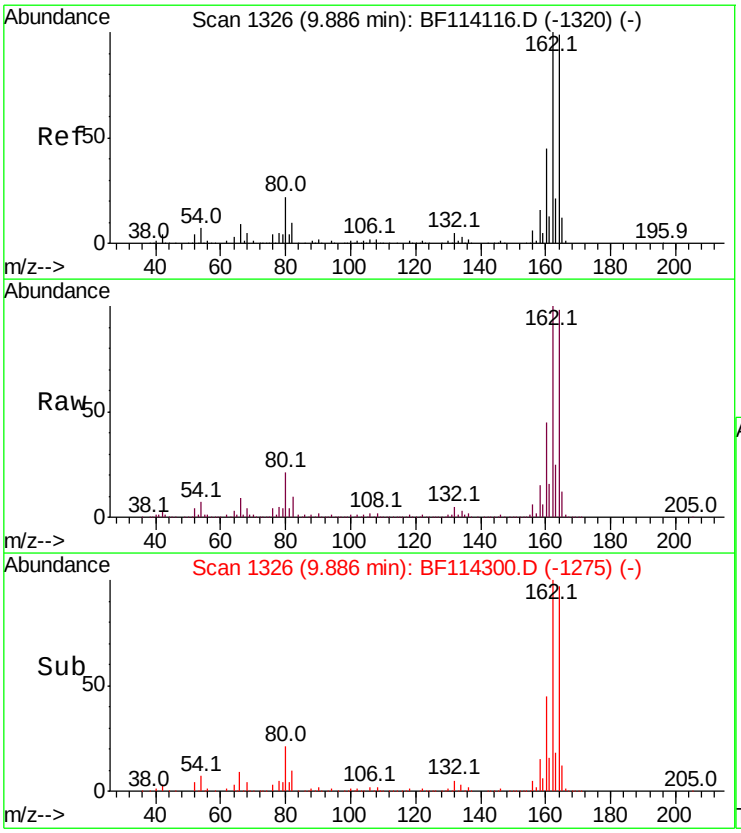
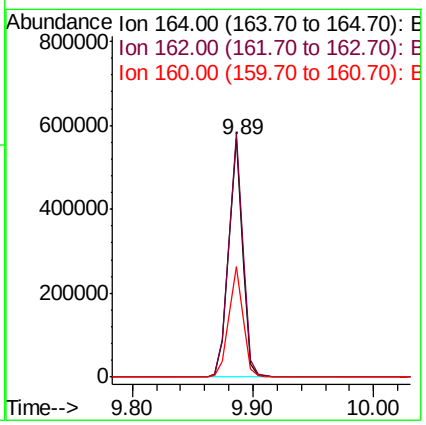
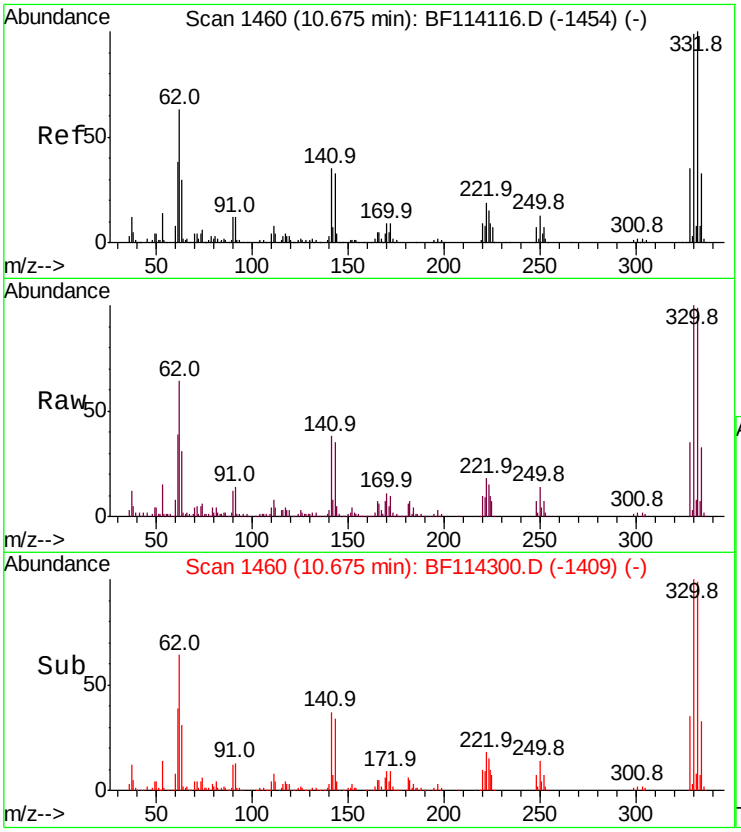


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:164 Resp: 464452

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	120.8
160	46.4	36.5	54.7

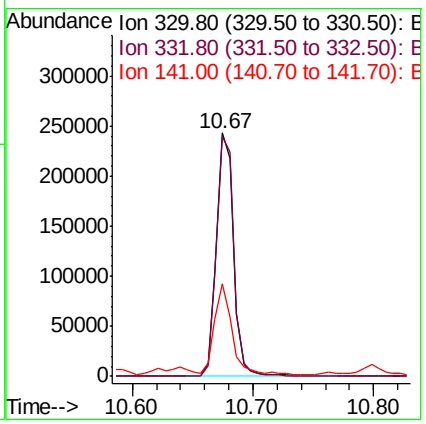




#42
2,4,6-Tribromophenol
Concen: 49.191 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:330 Resp: 236200

Ion	Ratio	Lower	Upper
330	100		
332	100.0	81.4	122.2
141	38.4	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
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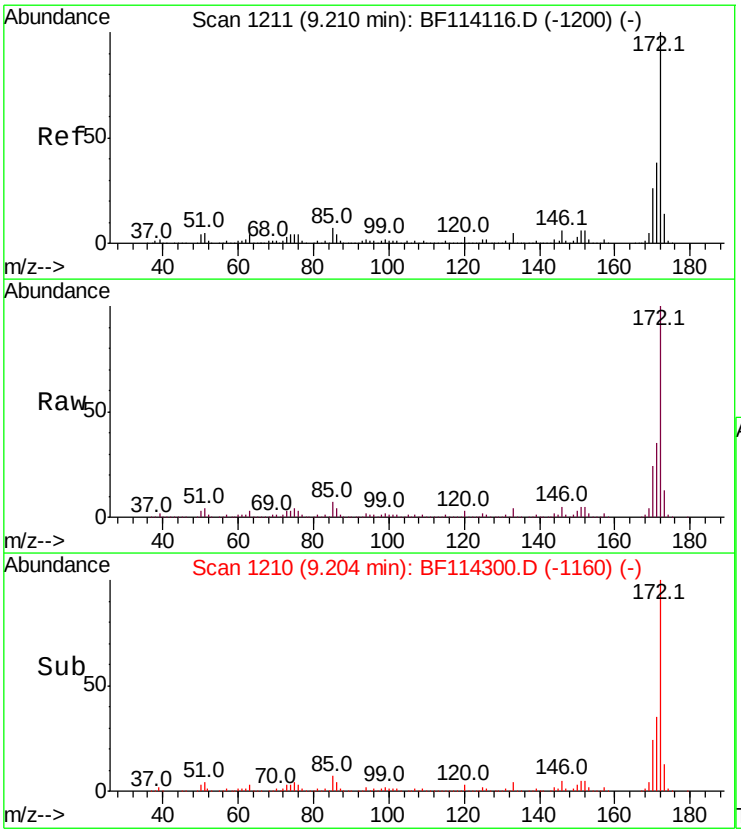
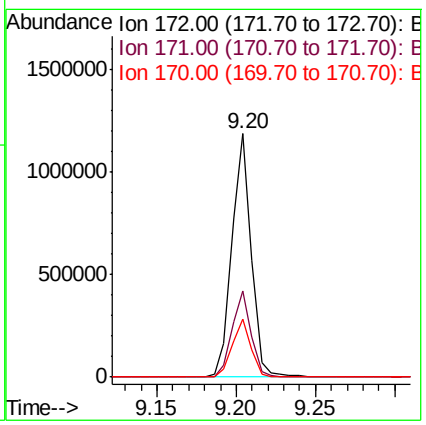
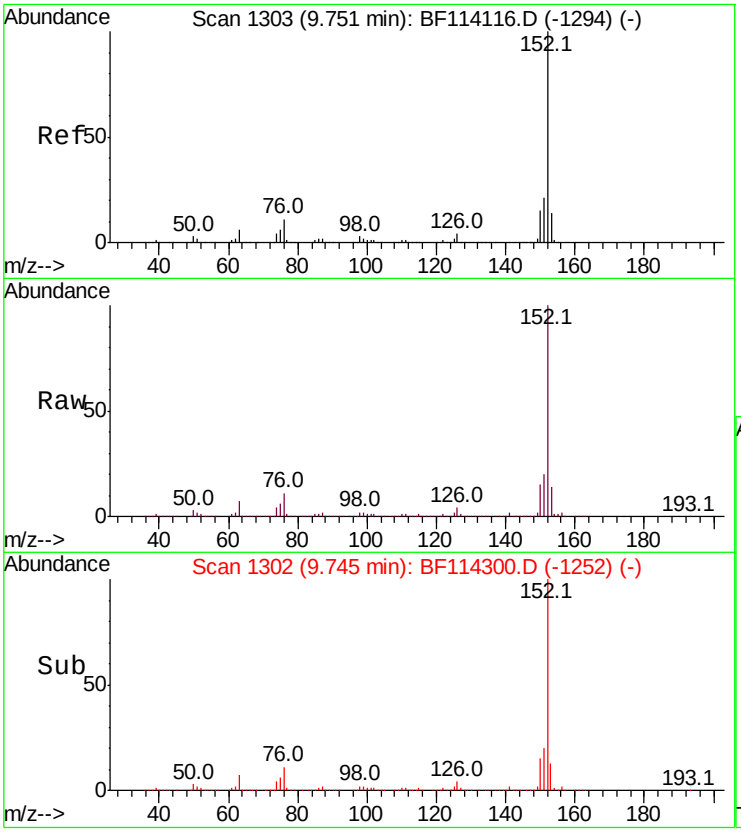


#45
2-Fluorobiphenyl
Concen: 32.750 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:172 Resp: 1005561

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.7	46.1
170	23.8	20.5	30.7

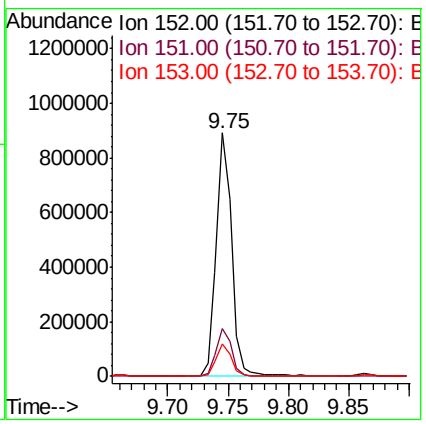




#49
Acenaphthylene
Concen: 16.939 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:152 Resp: 777980

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	13.5	11.4	17.2



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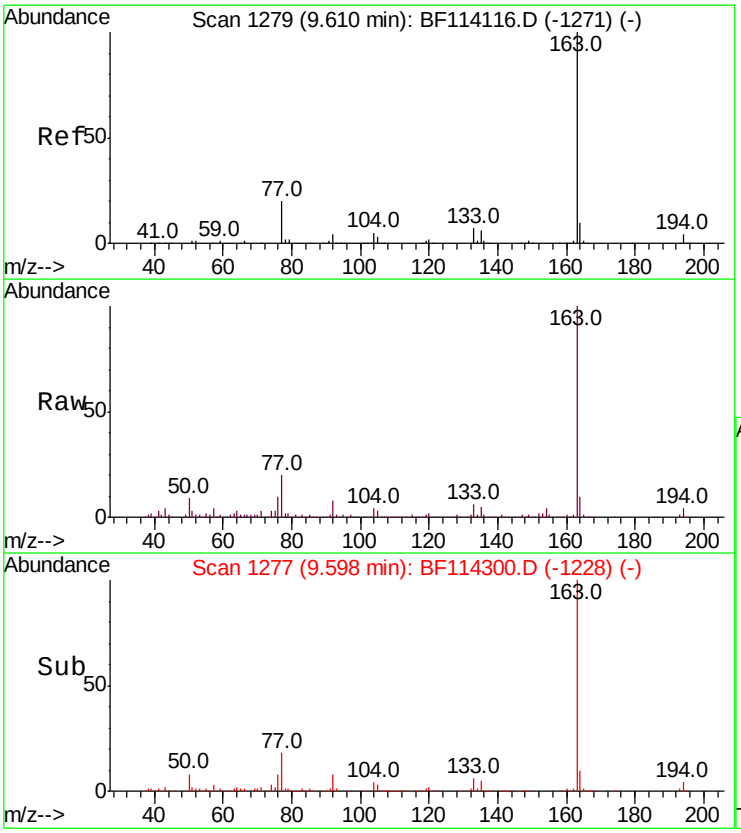
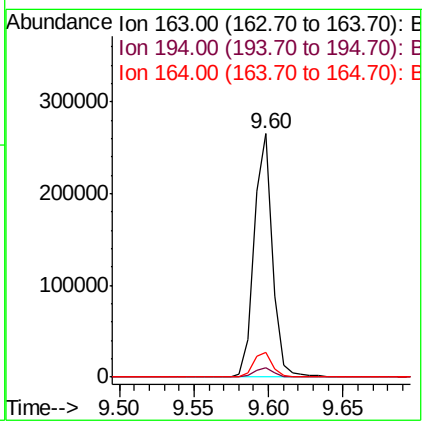
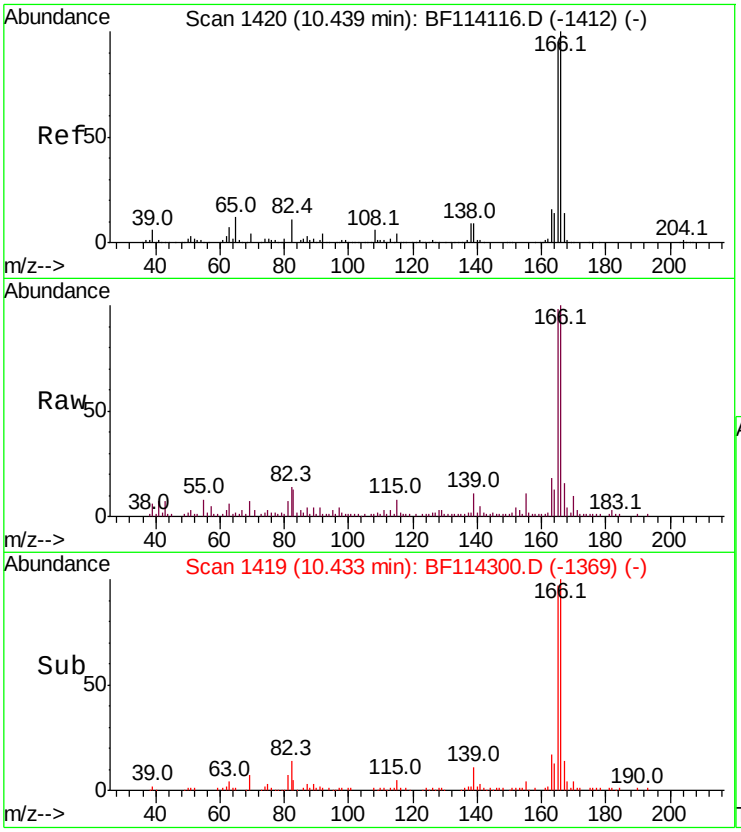


#50
Dimethylphthalate
Concen: 6.473 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:163 Resp: 220694

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.0	8.2	12.2

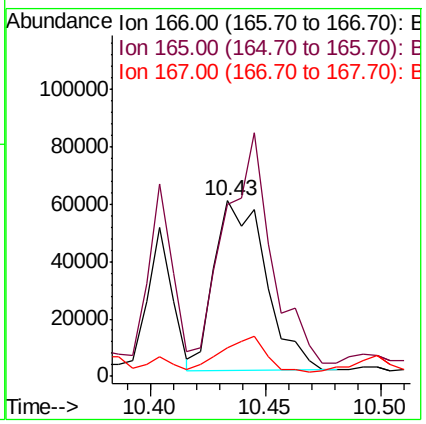




#58
Fluorene
Concen: 2.869 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:166 Resp: 91590

Ion	Ratio	Lower	Upper
166	100		
165	98.0	76.1	114.1
167	16.4	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
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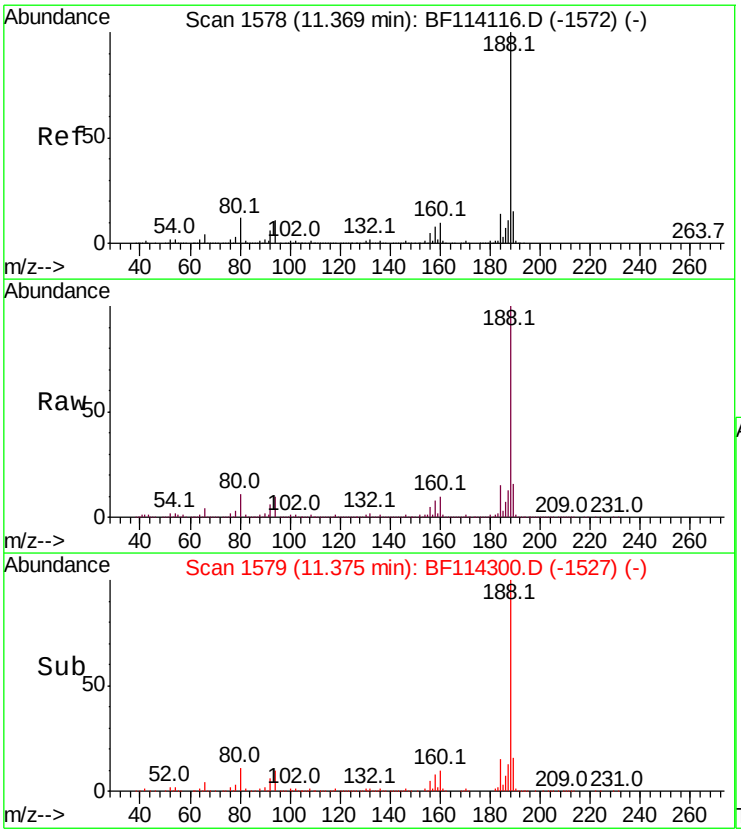
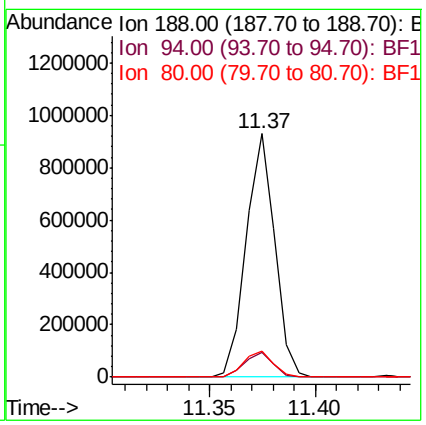
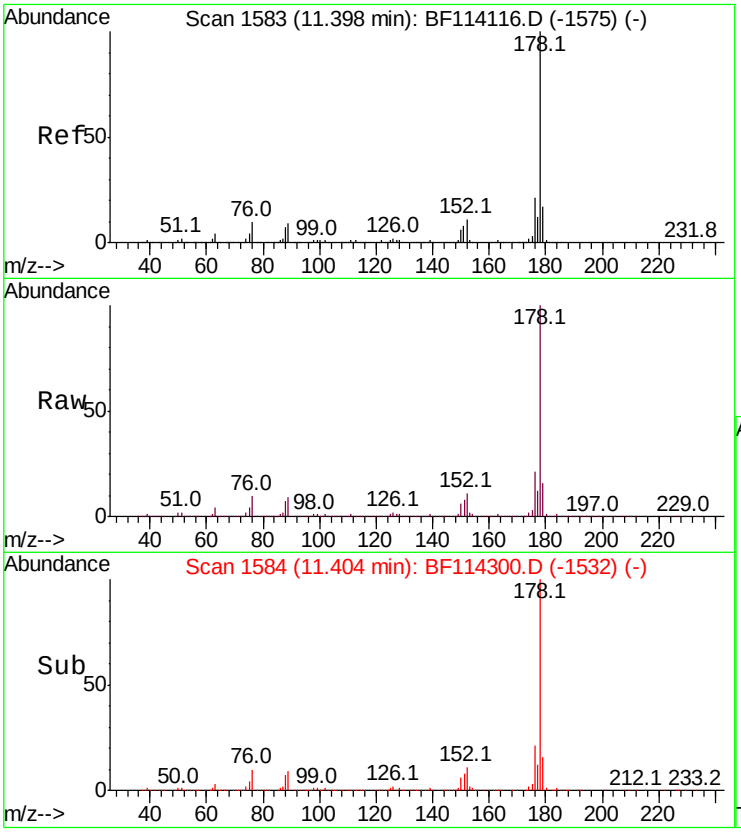


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:188 Resp: 873986

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	10.9	9.2	13.8

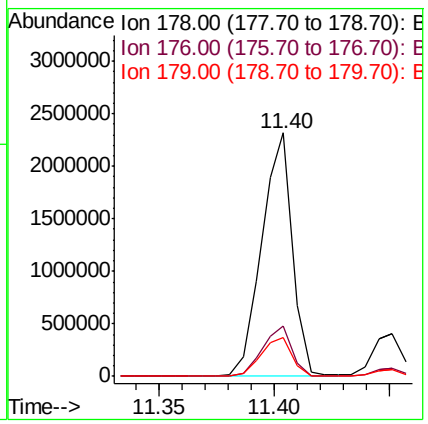




#71
Phenanthrene
Concen: 50.260 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:178 Resp: 2137061

Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.4	24.6
179	16.1	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
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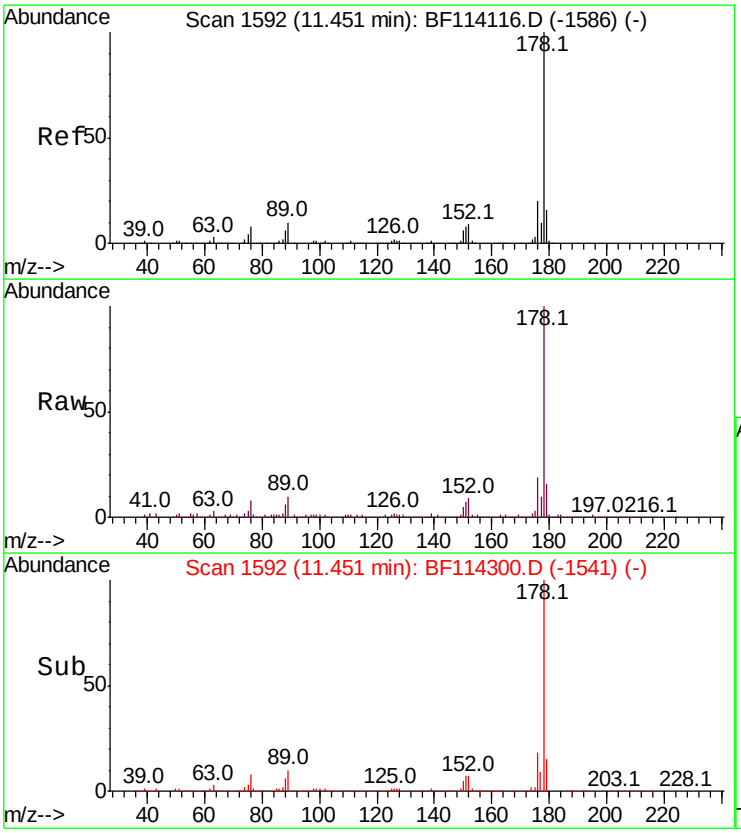
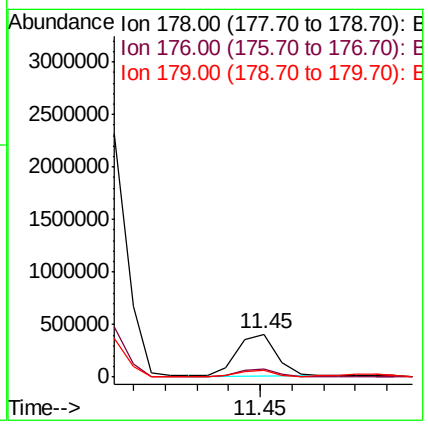
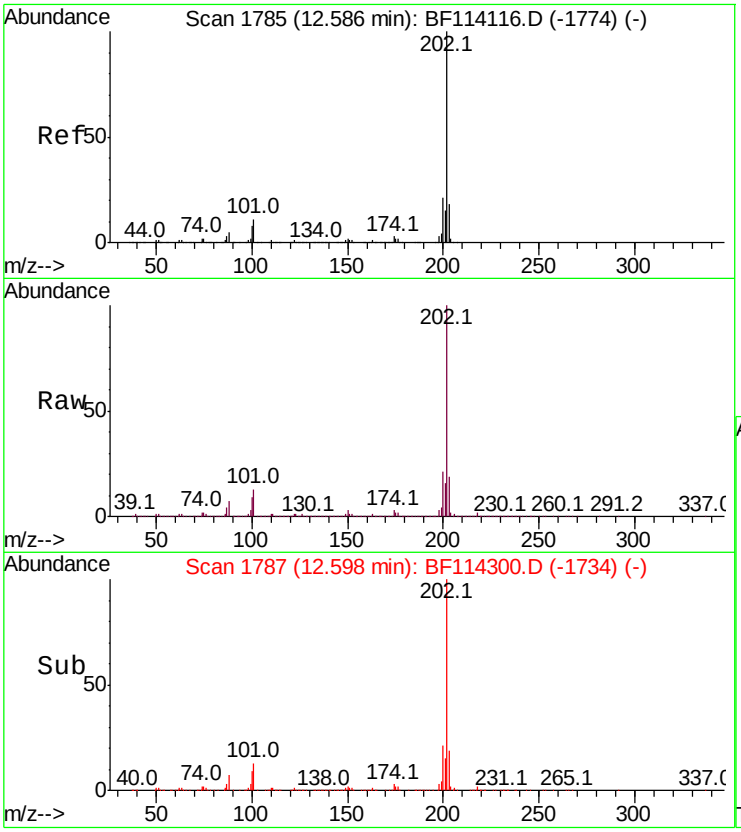


#72
Anthracene
Concen: 8.026 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:178 Resp: 342797

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.7	13.0	19.4

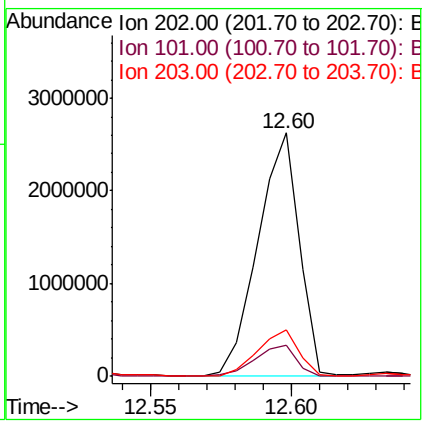




#75
Fluoranthene
Concen: 57.923 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:202 Resp: 2652256

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.0
203	19.2	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
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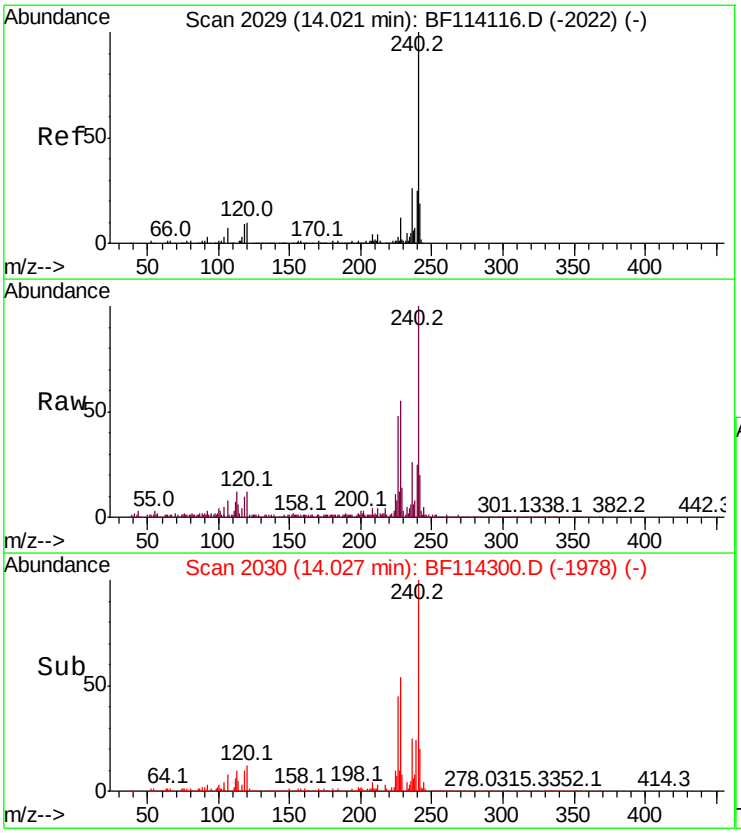
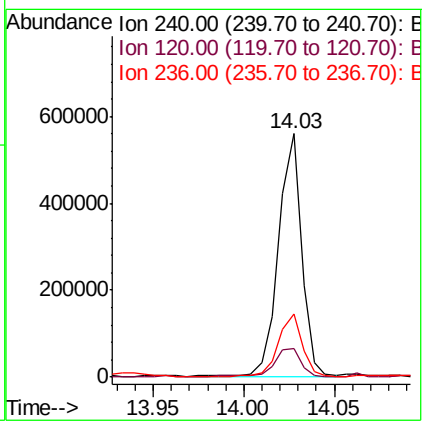
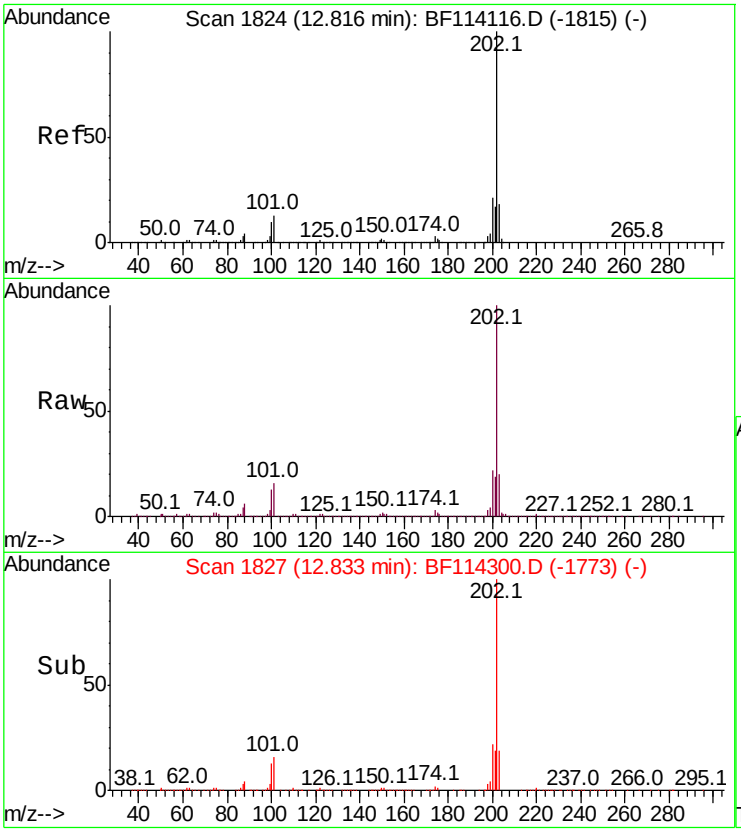


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:240 Resp: 496816

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	26.1	20.8	31.2

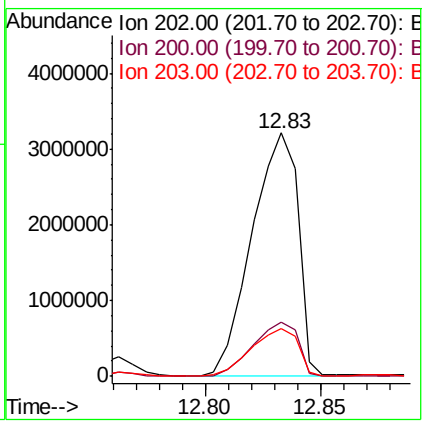




#78
Pyrene
Concen: 111.211 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.02 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:202 Resp: 4444711

Ion	Ratio	Lower	Upper
202	100		
200	22.4	16.9	25.3
203	19.6	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
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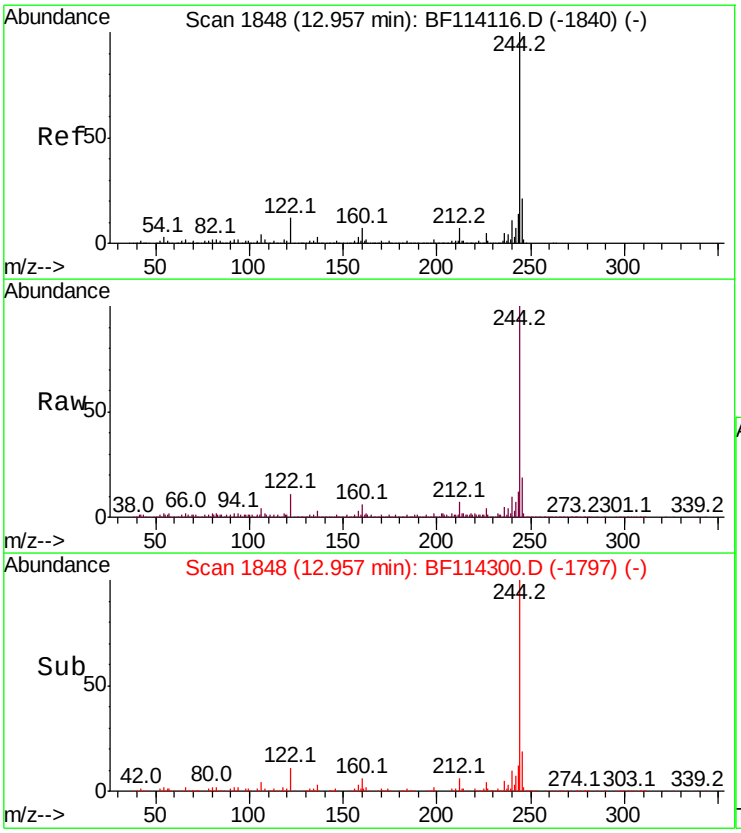
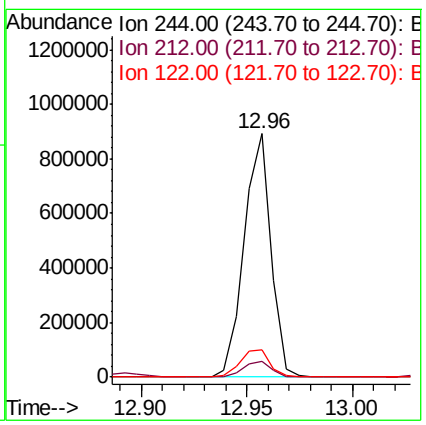
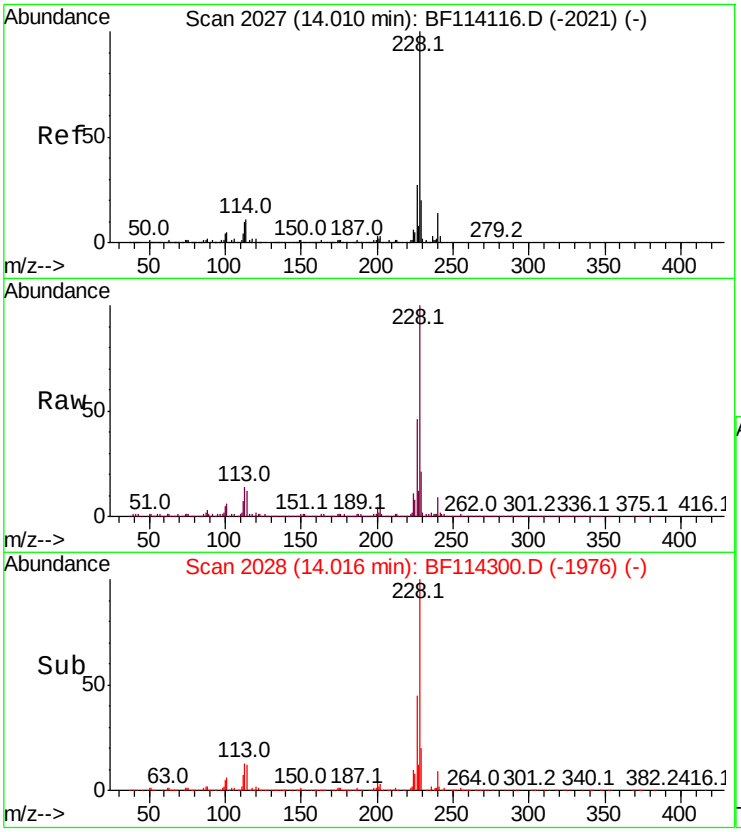


#79
Terphenyl-d14
Concen: 32.482 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:244 Resp: 782839

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.0	9.4	14.2





#81
Benzo(a)anthracene
Concen: 53.584 ng m
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:228 Resp: 1721864

Ion	Ratio	Lower	Upper
228	100		
226	45.8	22.2	33.2#
229	20.8	16.4	24.6

Instrument :
BNA_F
ClientSampleId :
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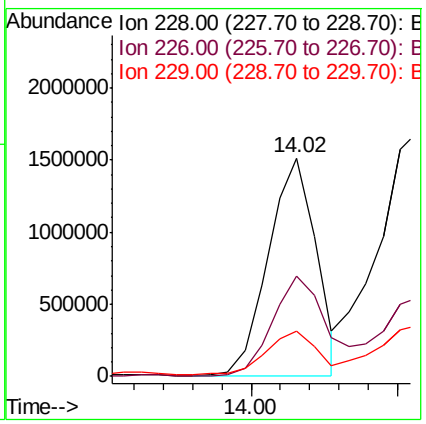
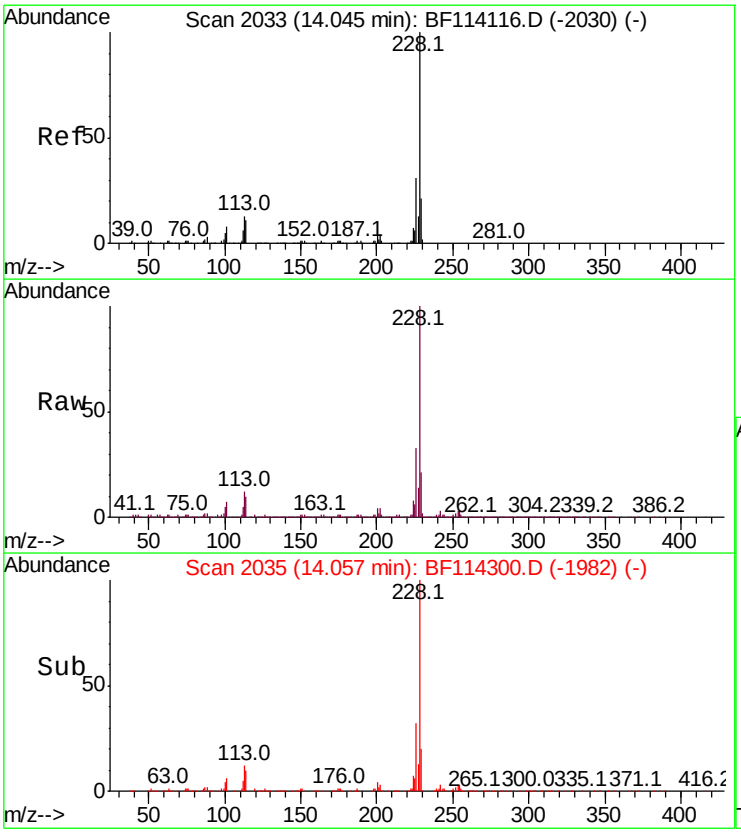
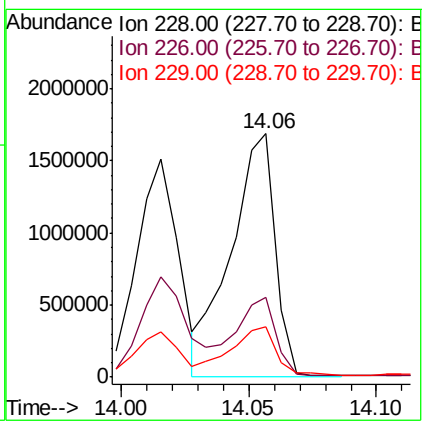


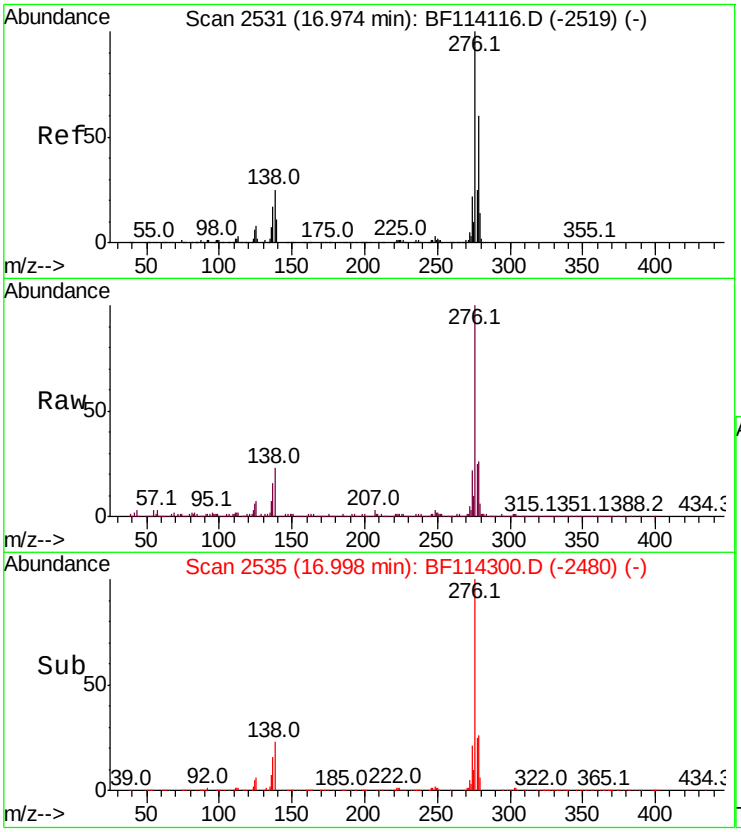


#83
Chrysene
Concen: 65.686 ng m
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:228 Resp: 2069129

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	20.5	17.0	25.6

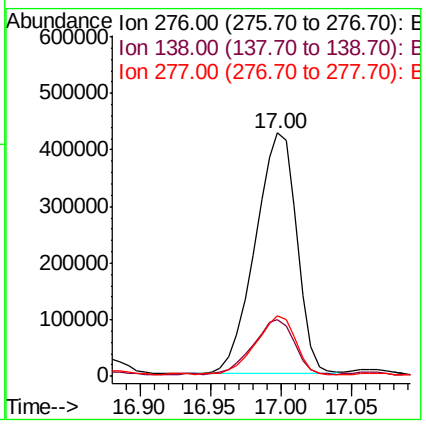




#86
Indeno(1,2,3-cd)pyrene
Concen: 31.552 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:276 Resp: 878388

Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.2
277	23.6	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
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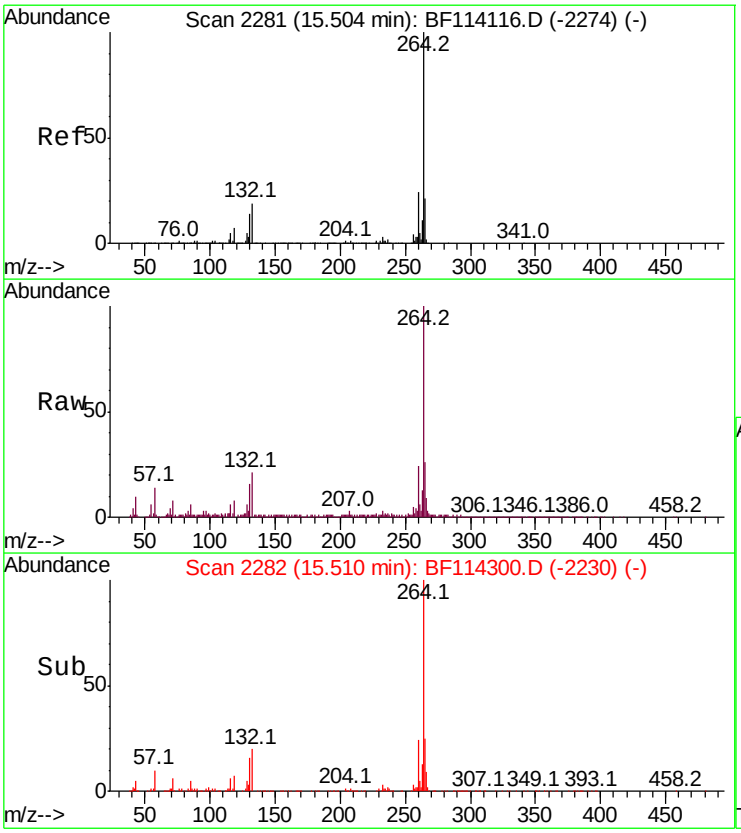
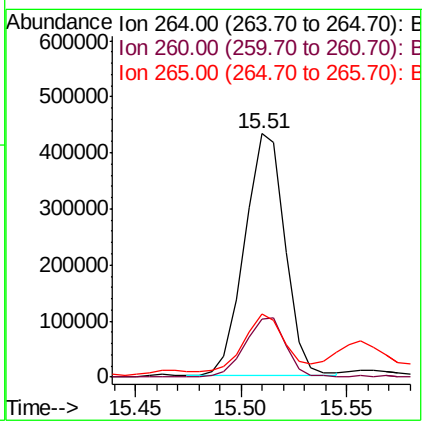
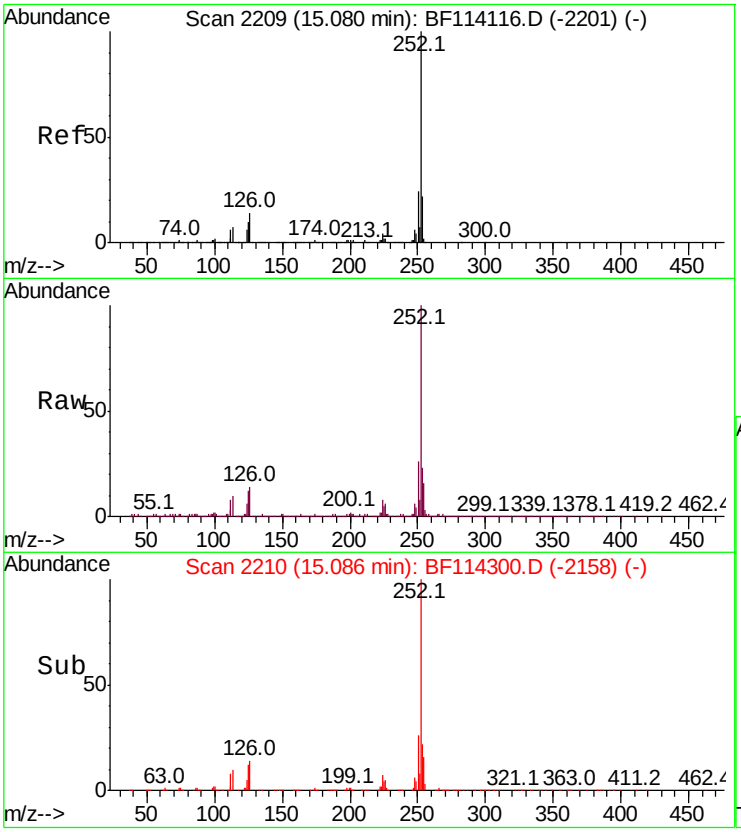


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:264 Resp: 568367

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	25.7	16.9	25.3#

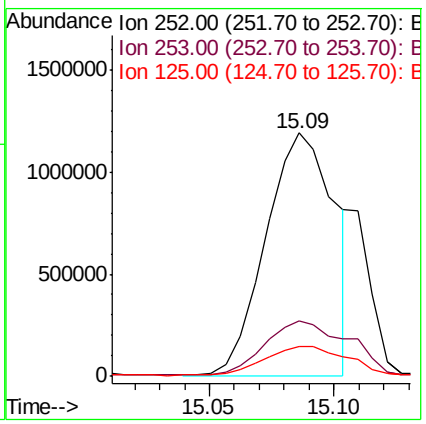




#88
Benzo(b)fluoranthene
Concen: 63.654 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:252 Resp: 2317811

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.4	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
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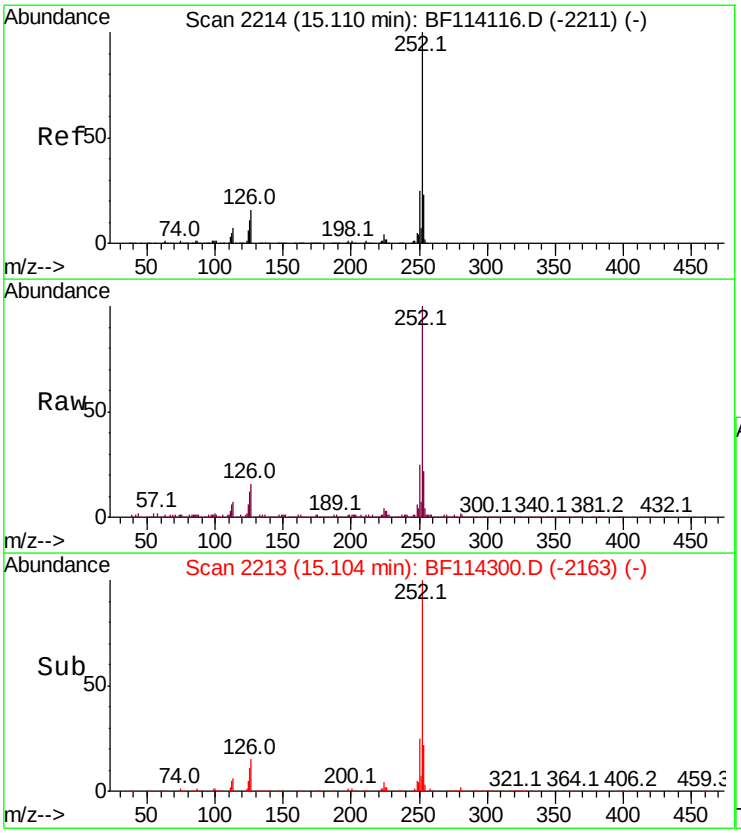
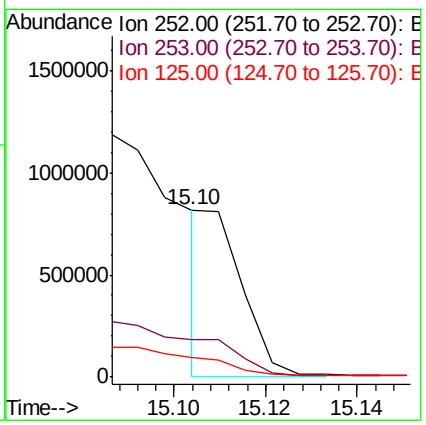
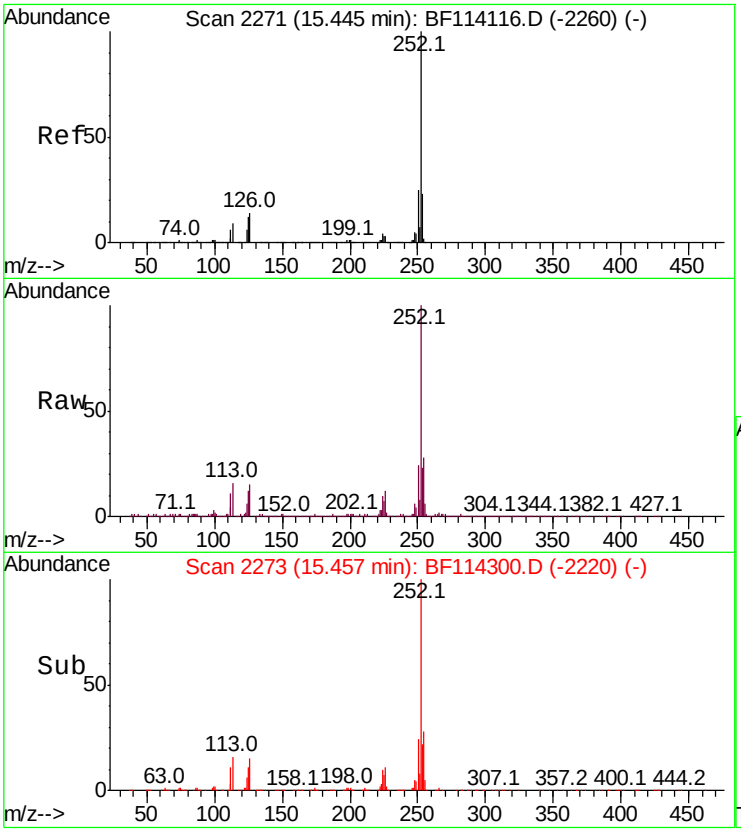


#89
Benzo(k)fluoranthene
Concen: 13.891 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:252 Resp: 464653

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	12.0	8.6	13.0





#90
Benzo(a)pyrene
Concen: 50.413 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:252 Resp: 1615555

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.9	9.5	14.3

Instrument :
BNA_F
ClientSampleId :
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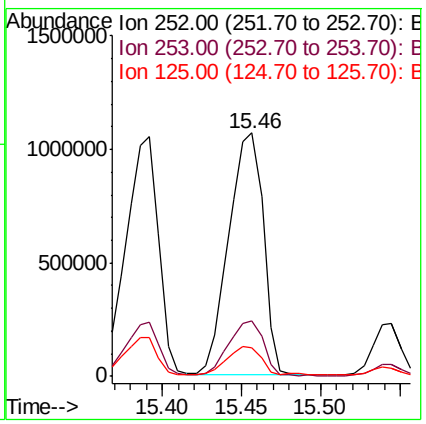
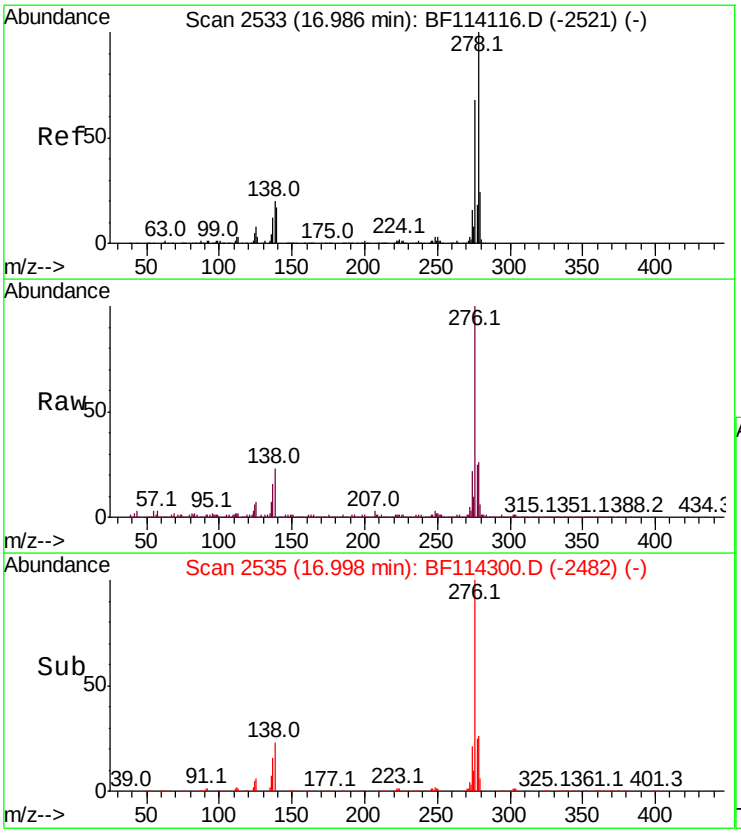
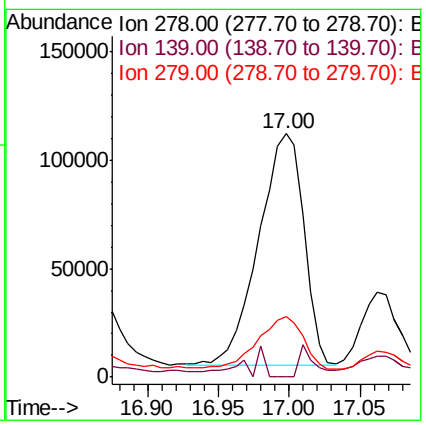


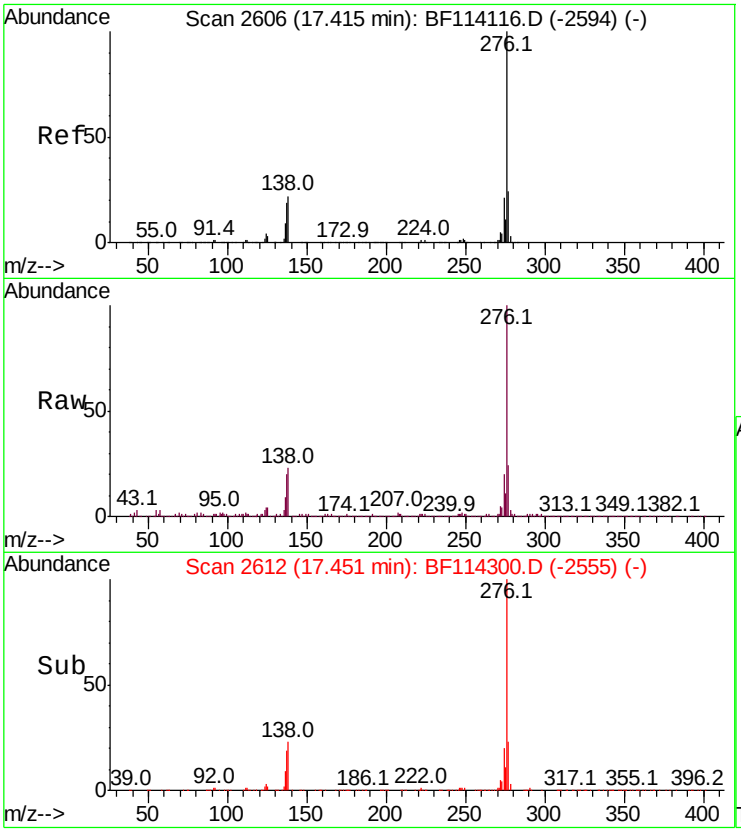


#91
Dibenzo(a,h)anthracene
Concen: 8.862 ng m
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:278 Resp: 235988

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	24.8	19.0	28.6

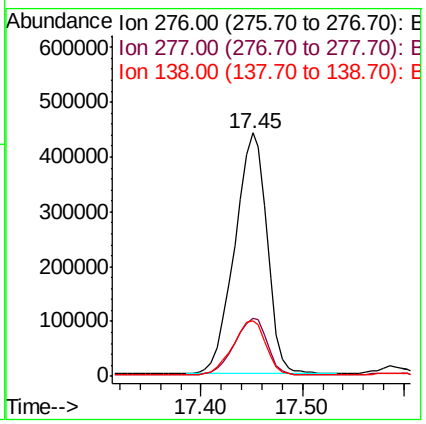




#92
Benzo(g,h,i)perylene
Concen: 36.357 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.04 min
Lab File: BF114300.D
Acq: 15 May 2019 22:19

Tgt Ion:276 Resp: 970220

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	23.0	17.8	26.6



Instrument :
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ClientSampleId :
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