Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114510.D
Acq On : 23 May 2019 3:25
Operator : JU/SJ
Sample : K2642-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-052119

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5/24/2019 8:49:35 AM

Quant Time: May 23 05:22:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 04:47:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	202417	20.00	ng		-0.01
21) Naphthalene-d8	8.11	136	817530	20.00	ng		-0.01
39) Acenaphthene-d10	9.87	164	368609	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	654969	20.00	ng		0.00
76) Chrysene-d12	14.00	240	464046	20.00	ng		0.00
87) Perylene-d12	15.47	264	405908	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	449758	35.76	ng		-0.01
7) Phenol-d6	6.47	99	587655	39.50	ng		-0.01
23) Nitrobenzene-d5	7.39	82	331869	22.78	ng		-0.01
42) 2,4,6-Tribromophenol	10.66	330	115932	30.42	ng		0.00
45) 2-Fluorobiphenyl	9.19	172	606171	24.88	ng		0.00
79) Terphenyl-d14	12.93	244	521995	23.19	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.13	128	220438	5.772	ng		96
37) 2-Methylnaphthalene	8.83	142	116849	4.742	ng		99
38) 1-Methylnaphthalene	8.92	142	103615	4.466	ng		100
50) Dimethylphthalate	9.58	163	74304	2.746	ng		99
52) Acenaphthene	9.90	154	236950	10.594	ng		99
55) Dibenzofuran	10.07	168	207073	6.314	ng		95
58) Fluorene	10.42	166	329470	13.005	ng		98
71) Phenanthrene	11.38	178	1826989	57.335	ng		100
72) Anthracene	11.43	178	531654	16.611	ng		98
73) Carbazole	11.59	167	162439	5.322	ng		98
75) Fluoranthene	12.57	202	2170365	63.249	ng		98
78) Pyrene	12.80	202	2013647	53.941	ng		99
81) Benzo(a)anthracene	13.99	228	910499	30.336	ng		99
83) Chrysene	14.03	228	902414m	30.671	ng		
86) Indeno(1,2,3-cd)pyrene	16.95	276	287475	11.055	ng		96
88) Benzo(b)fluoranthene	15.04	252	904086m	34.766	ng		
89) Benzo(k)fluoranthene	15.07	252	258786m	10.833	ng		
90) Benzo(a)pyrene	15.41	252	612784	26.775	ng		99
91) Dibenzo(a,h)anthracene	16.95	278	72125	3.793	ng	#	85
92) Benzo(g,h,i)perylene	17.40	276	291753	15.308	ng		97

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

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Instrument :
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ClientSampleId :
OK-01-052119

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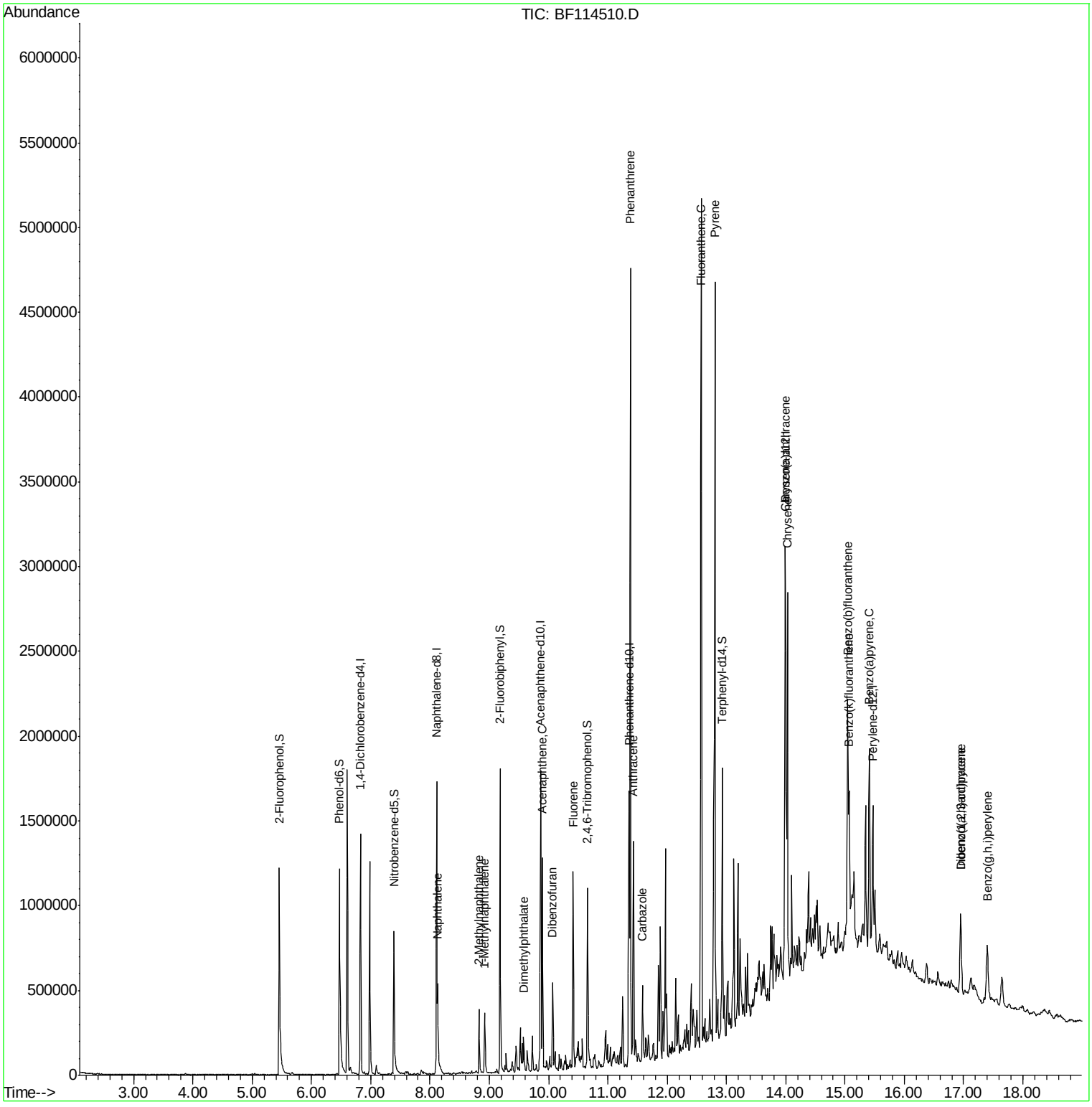
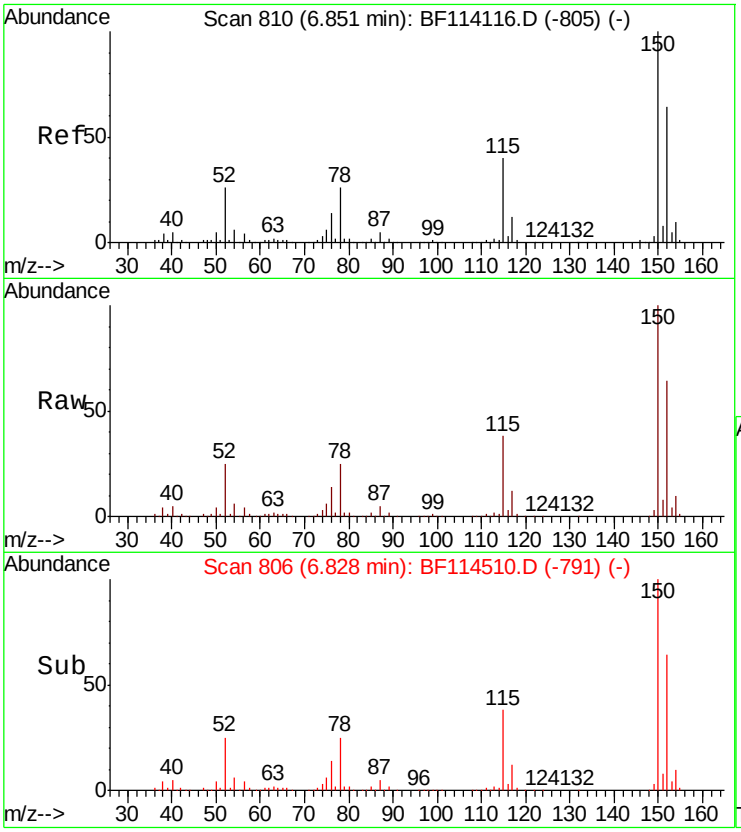
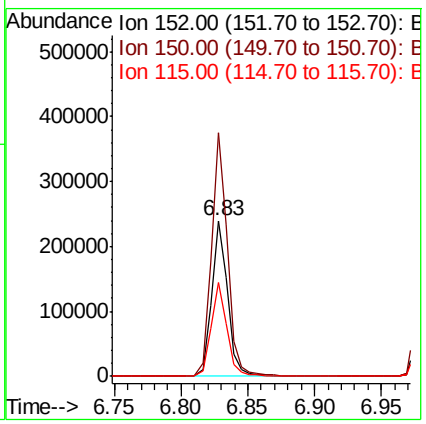




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:152 Resp: 202417

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.3	186.5
115	60.1	49.1	73.7



Instrument :
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ClientSampleId :
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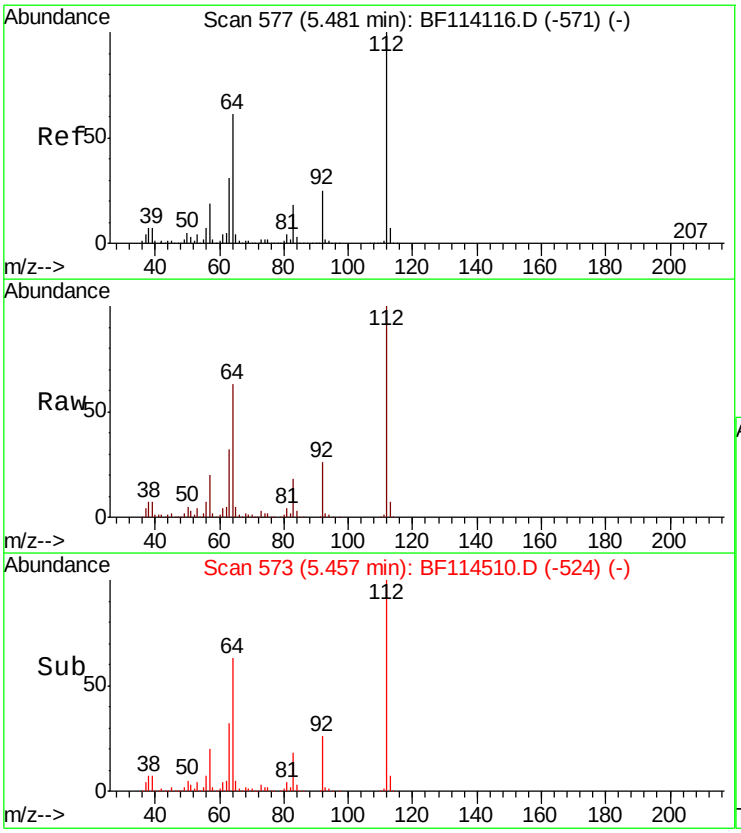
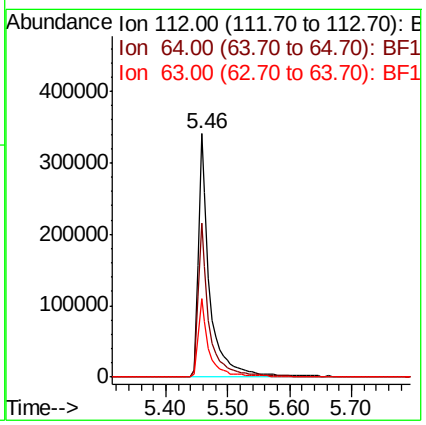
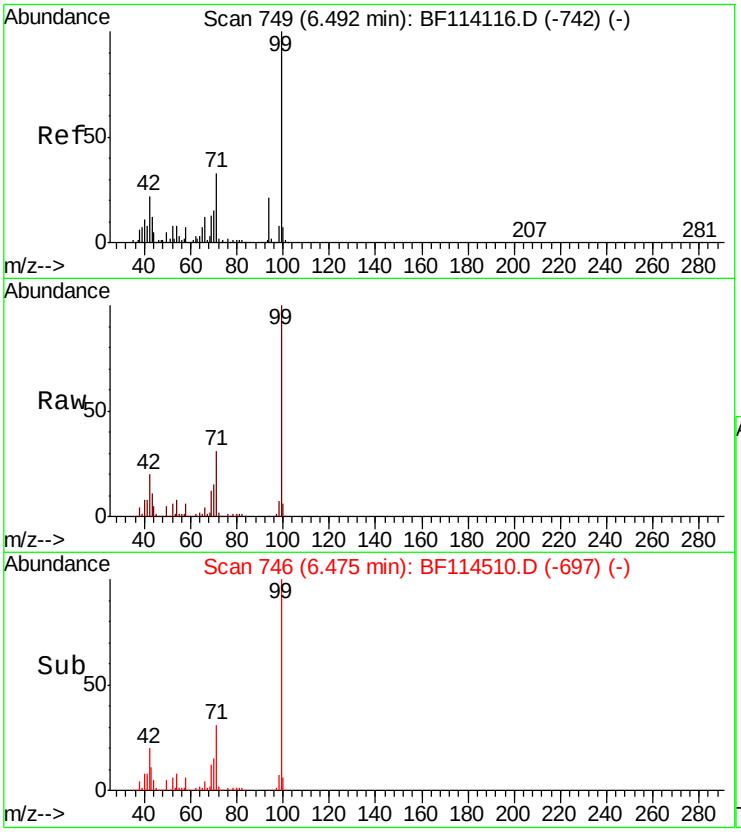


#5
2-Fluorophenol
Concen: 35.757 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:112 Resp: 449758

Ion	Ratio	Lower	Upper
112	100		
64	63.3	49.0	73.6
63	32.1	24.6	37.0

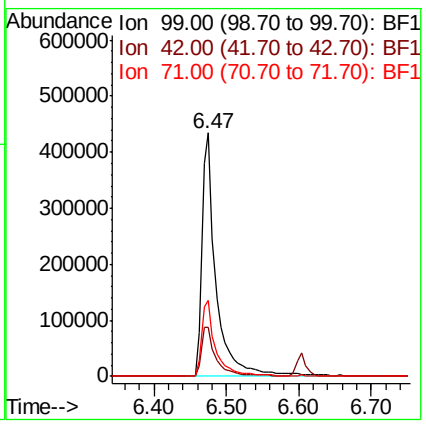




#7
Phenol-d6
Concen: 39.502 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion: 99 Resp: 587655

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.9	26.9
71	31.2	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
OK-01-052119

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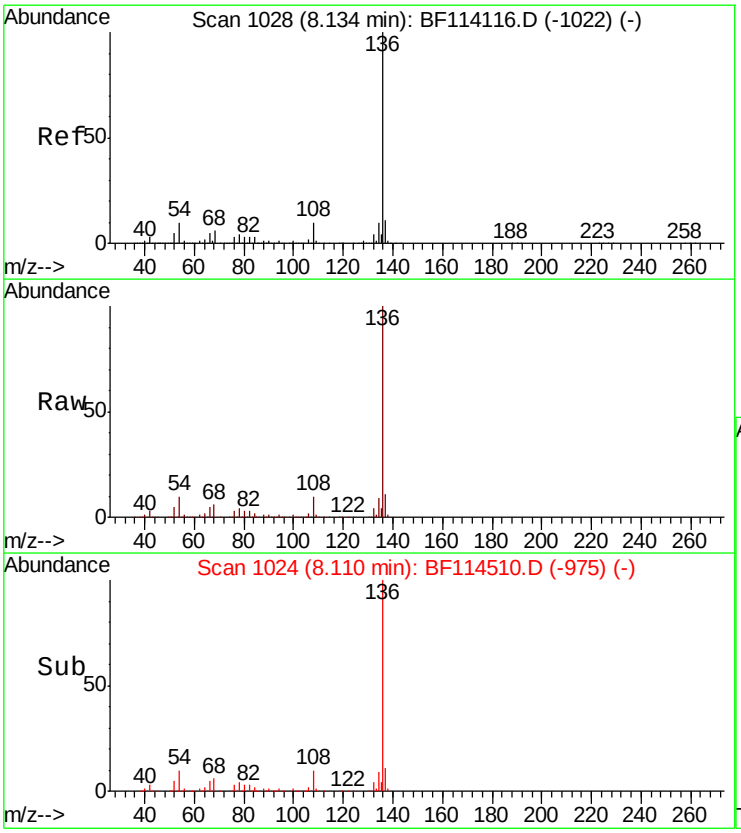
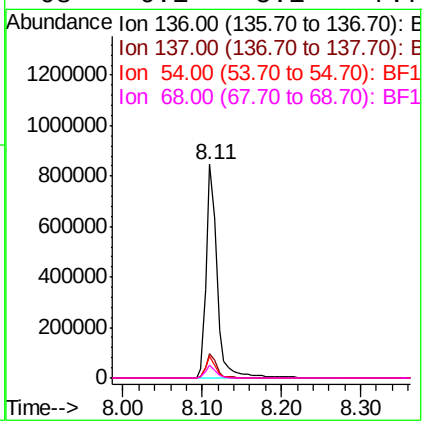
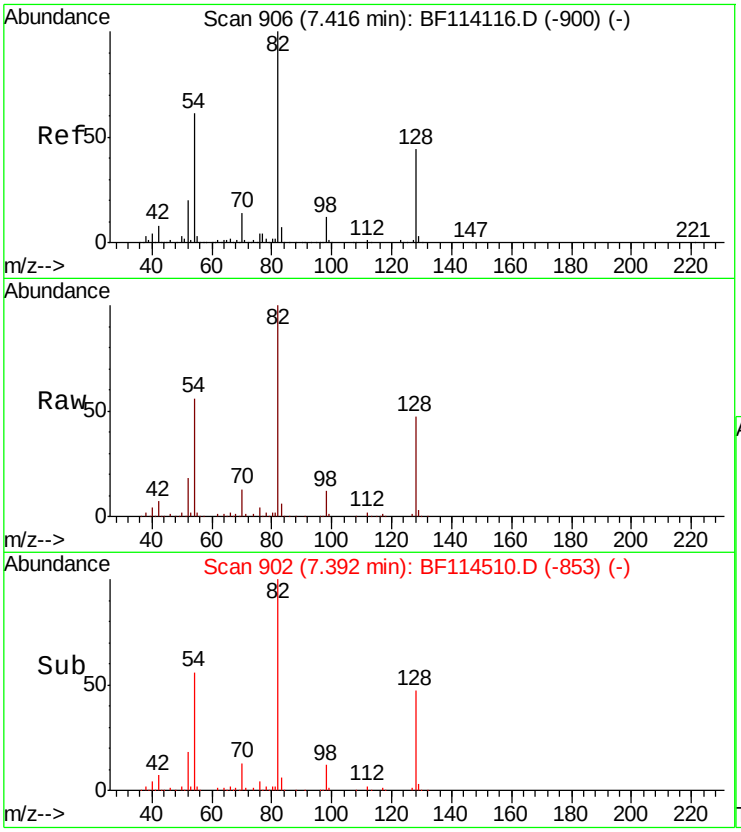


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:136 Resp: 817530

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	9.9	7.8	11.8
68	6.1	5.1	7.7

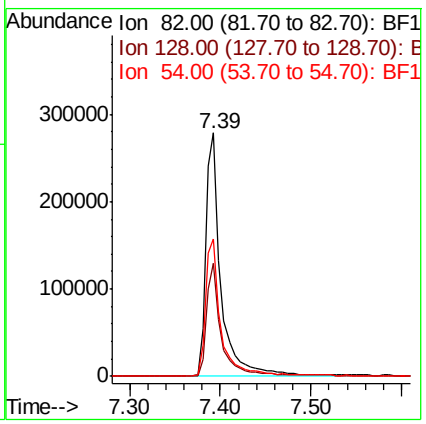




#23
Nitrobenzene-d5
Concen: 22.781 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion: 82 Resp: 331869

Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.5	53.3
54	56.4	48.5	72.7



Instrument :
BNA_F
ClientSampleId :
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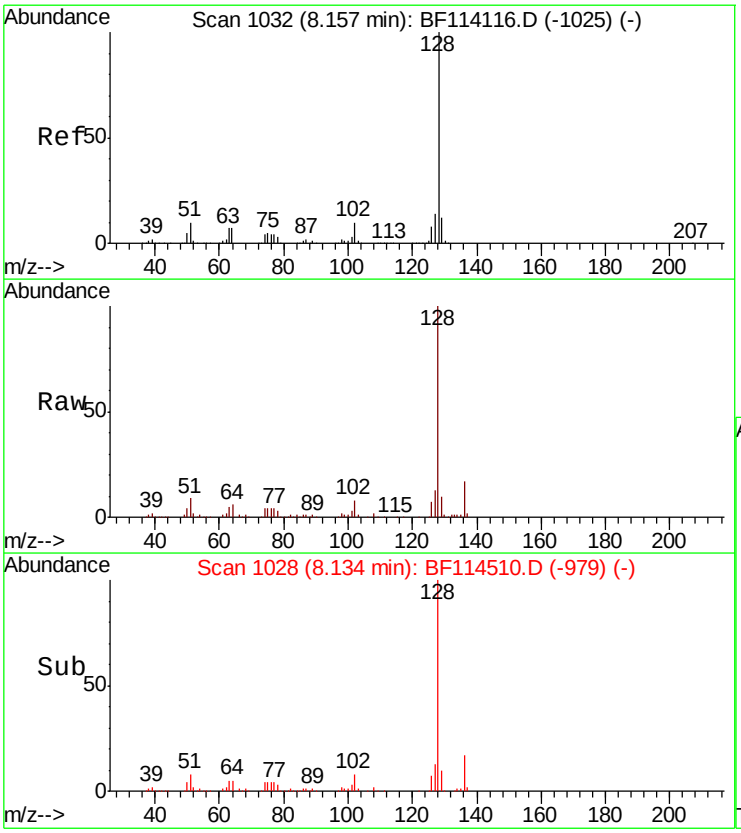
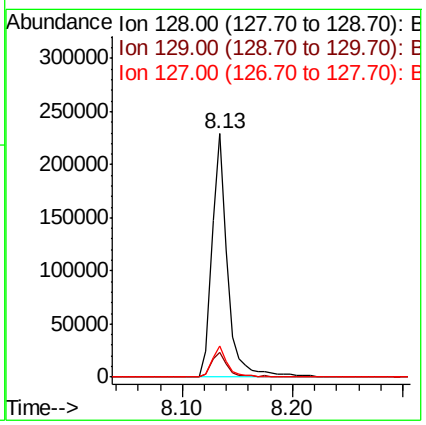
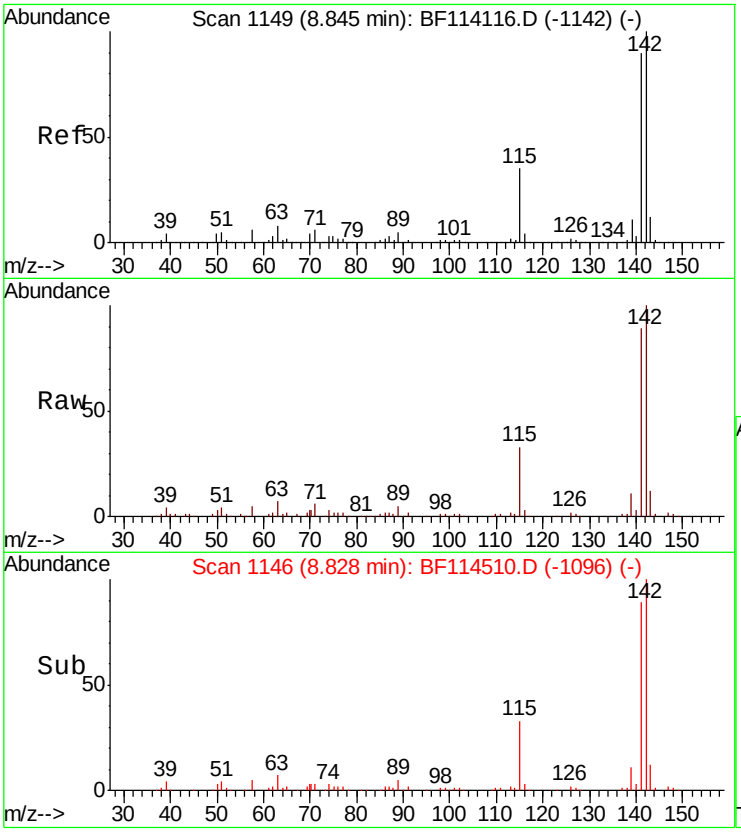


#31
Naphthalene
Concen: 5.772 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:128 Resp: 220438

Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.6	14.4
127	12.6	11.3	16.9

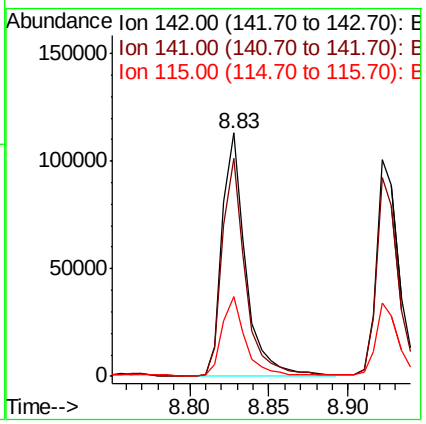




#37
2-Methylnaphthalene
Concen: 4.742 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:142 Resp: 116849

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.1	108.1
115	33.0	28.0	42.0



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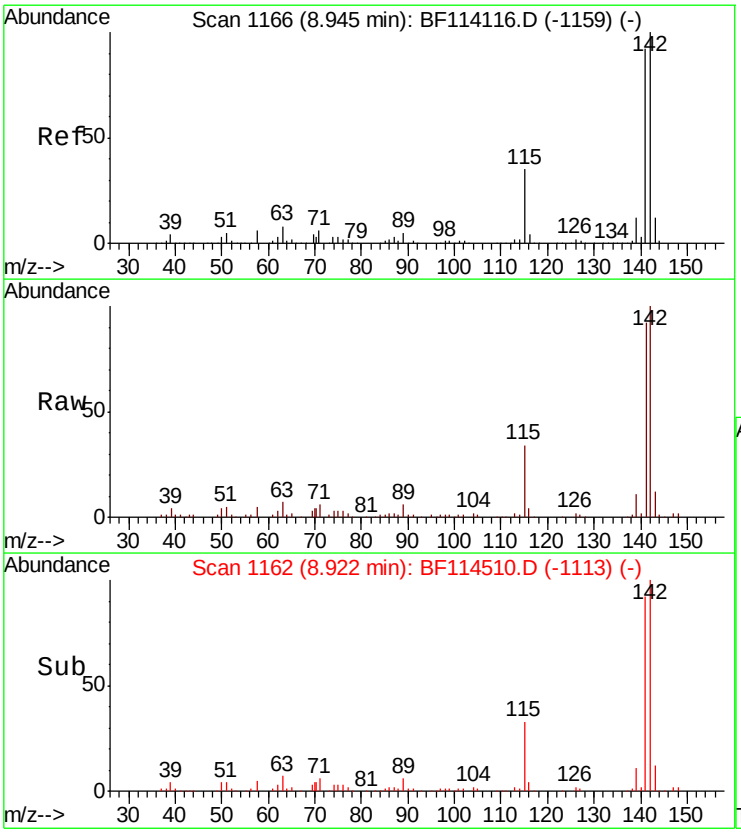
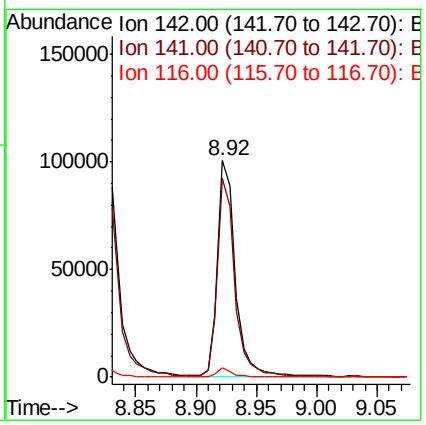
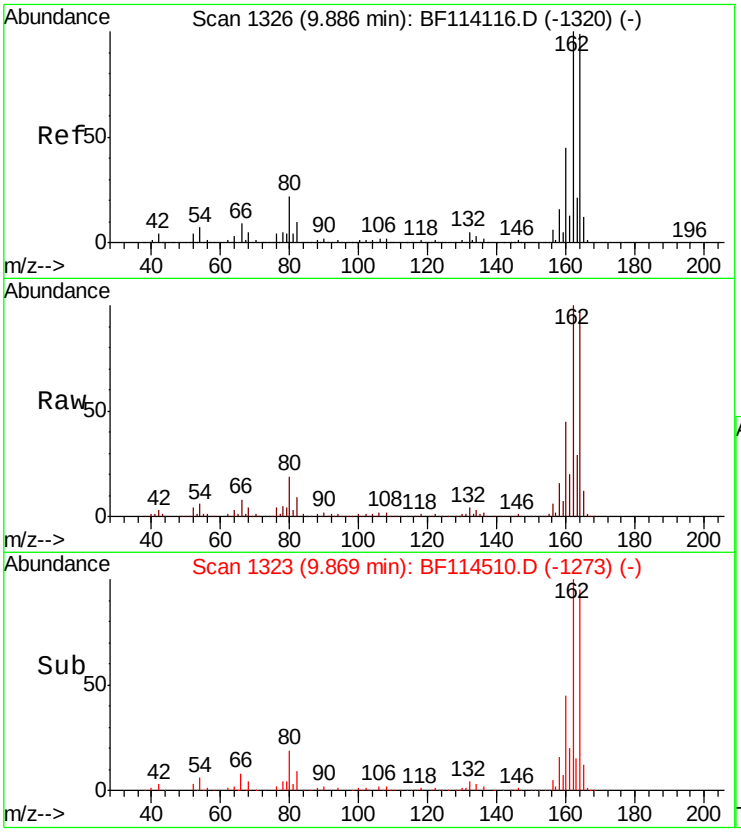


#38
1-Methylnaphthalene
Concen: 4.466 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:142 Resp: 103615

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.0
116	4.3	3.1	4.7

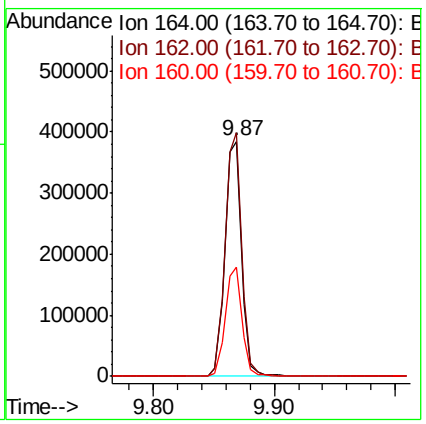




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:164 Resp: 368609

Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.6	120.8
160	46.5	36.5	54.7



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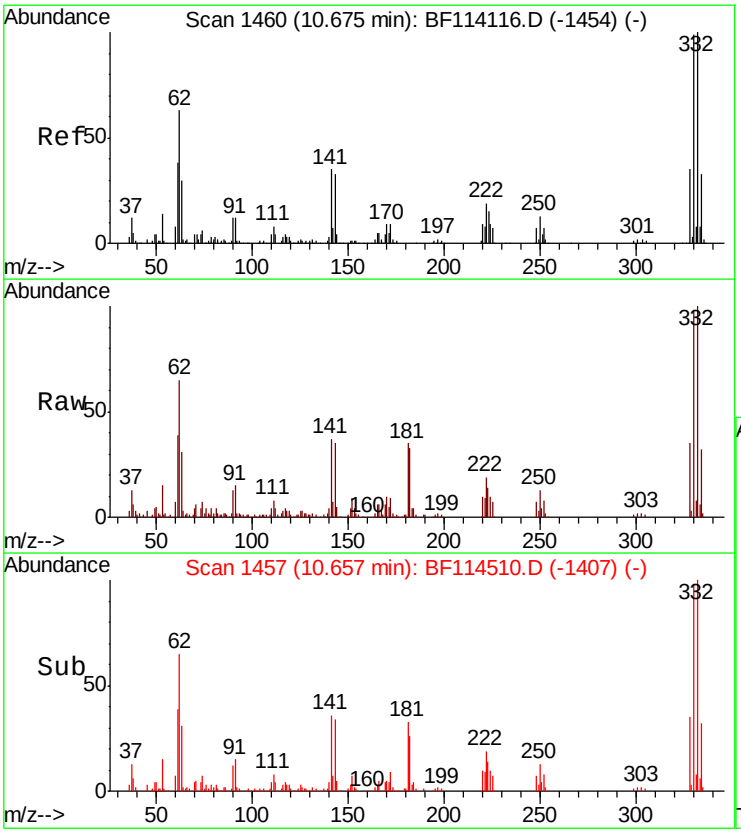
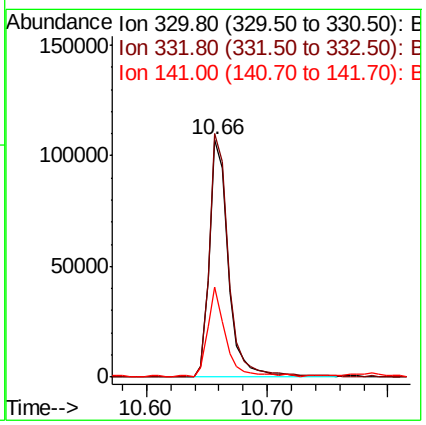
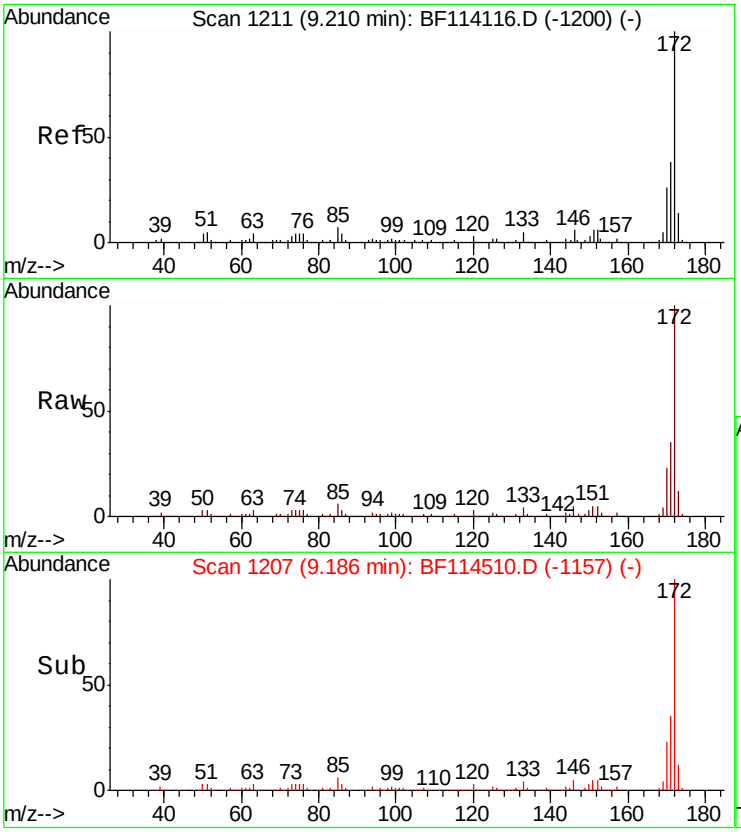


#42
2,4,6-Tribromophenol
Concen: 30.422 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:330 Resp: 115932

Ion	Ratio	Lower	Upper
330	100		
332	103.7	81.4	122.2
141	34.6	26.6	40.0

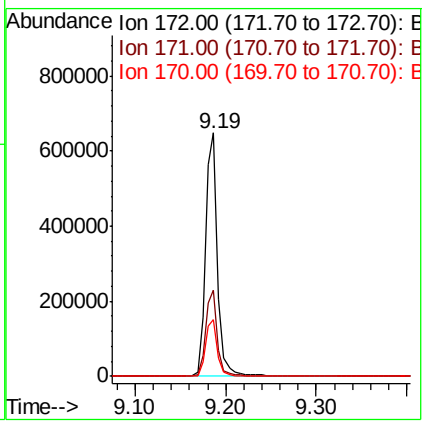




#45
2-Fluorobiphenyl
Concen: 24.876 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:172 Resp: 606171

Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.7	46.1
170	23.2	20.5	30.7



Instrument :
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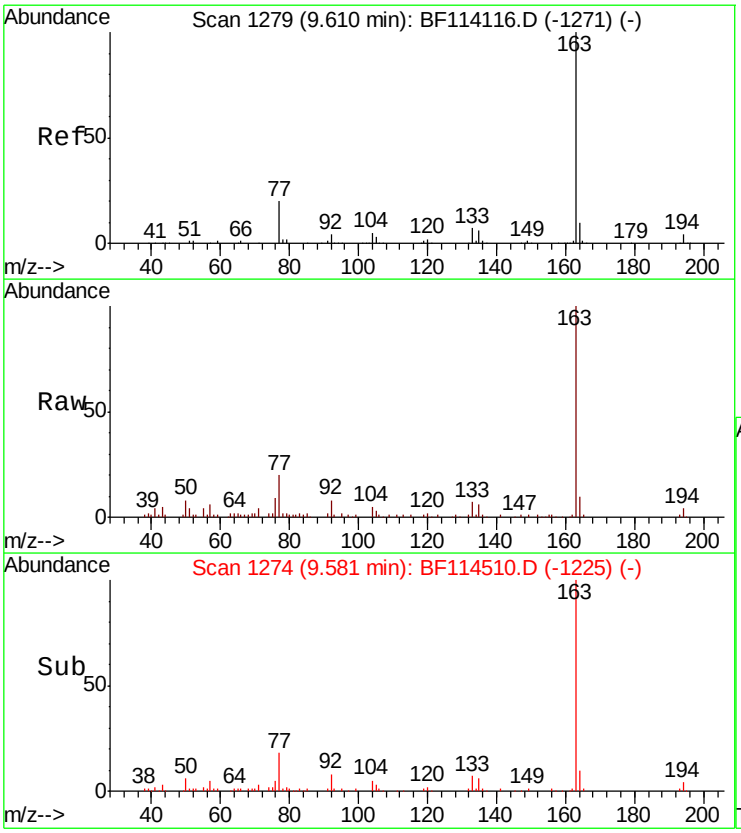
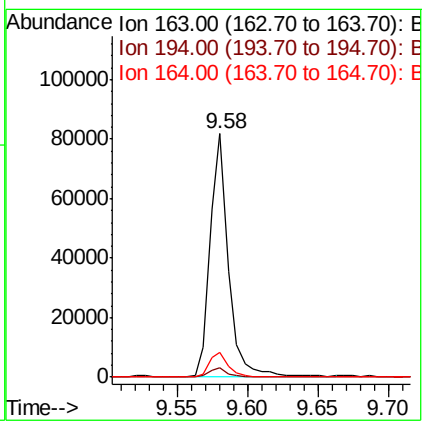
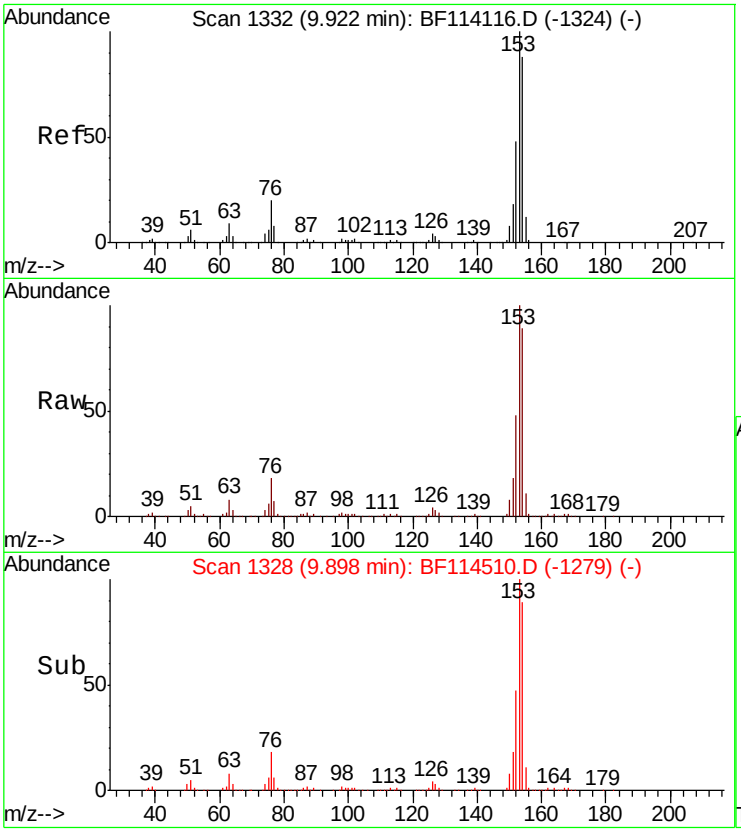


#50
Dimethylphthalate
Concen: 2.746 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:163 Resp: 74304

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.1	8.2	12.2

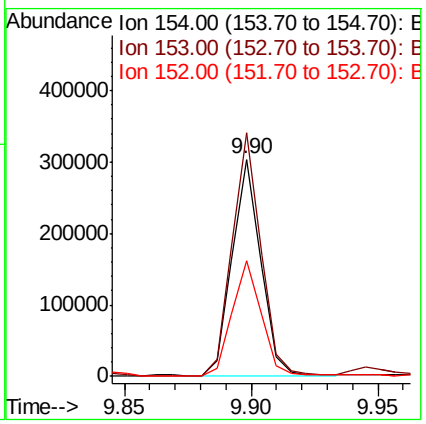




#52
Acenaphthene
Concen: 10.594 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:154 Resp: 236950

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	53.3	43.4	65.2



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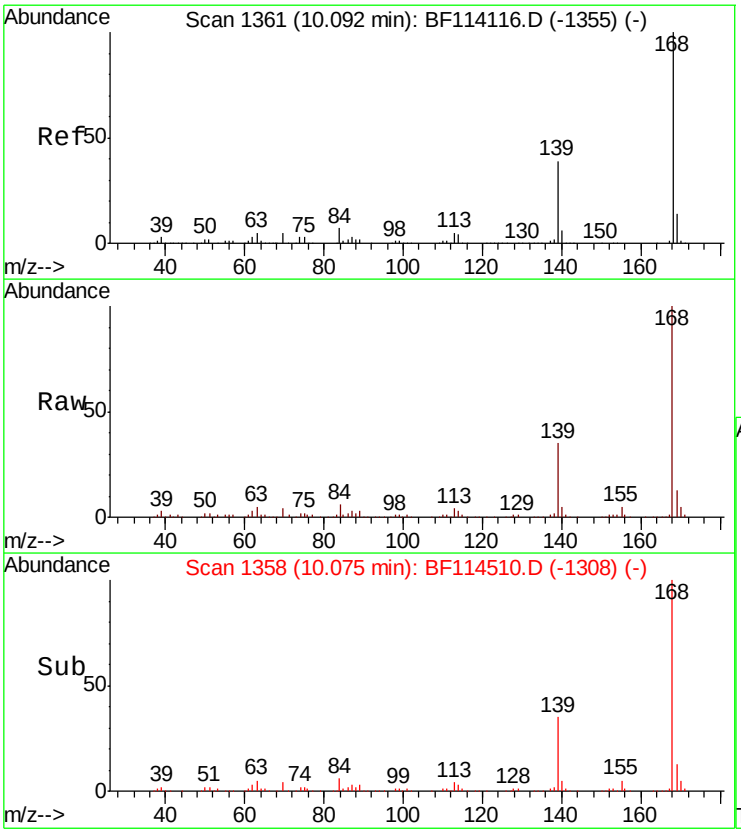
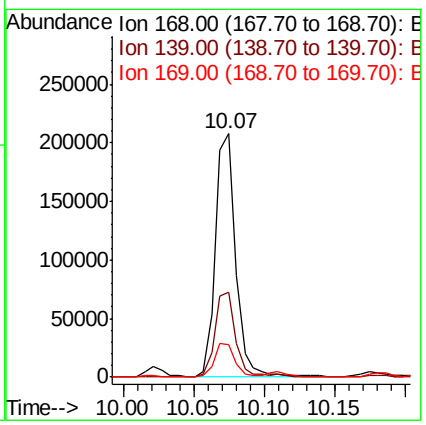
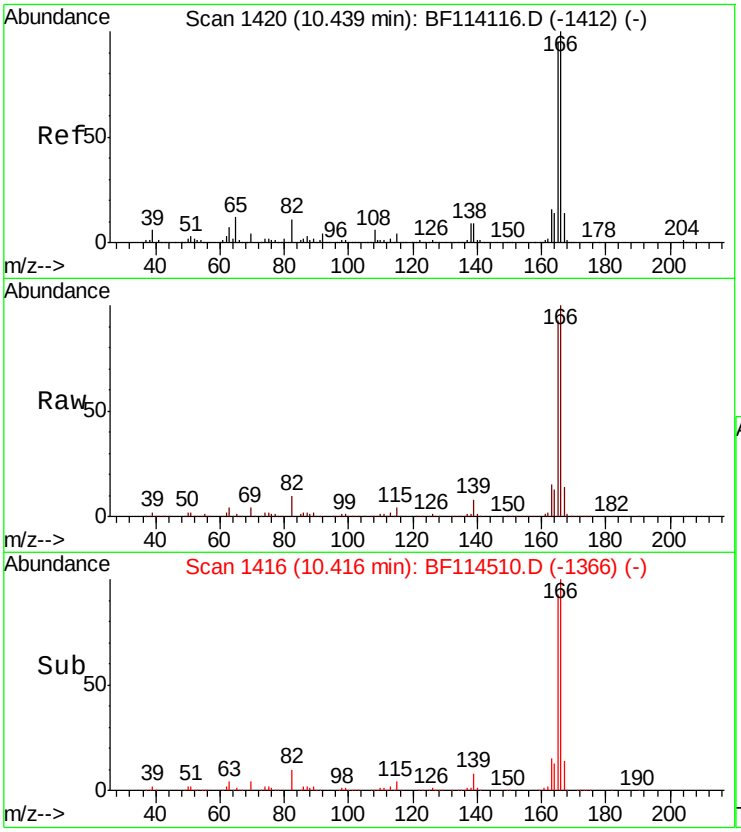


#55
Dibenzofuran
Concen: 6.314 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:168 Resp: 207073

Ion	Ratio	Lower	Upper
168	100		
139	34.8	31.1	46.7
169	13.4	11.4	17.0

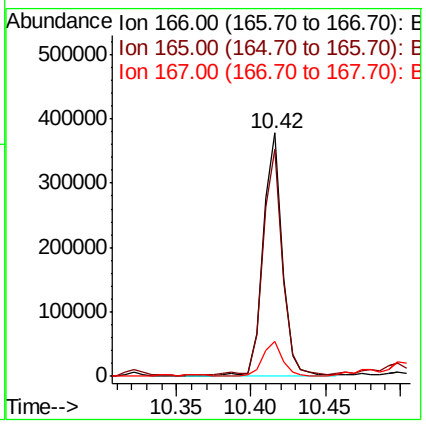




#58
Fluorene
Concen: 13.005 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:166 Resp: 329470

Ion	Ratio	Lower	Upper
166	100		
165	93.5	76.1	114.1
167	14.4	11.1	16.7



Instrument :
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ClientSampleId :
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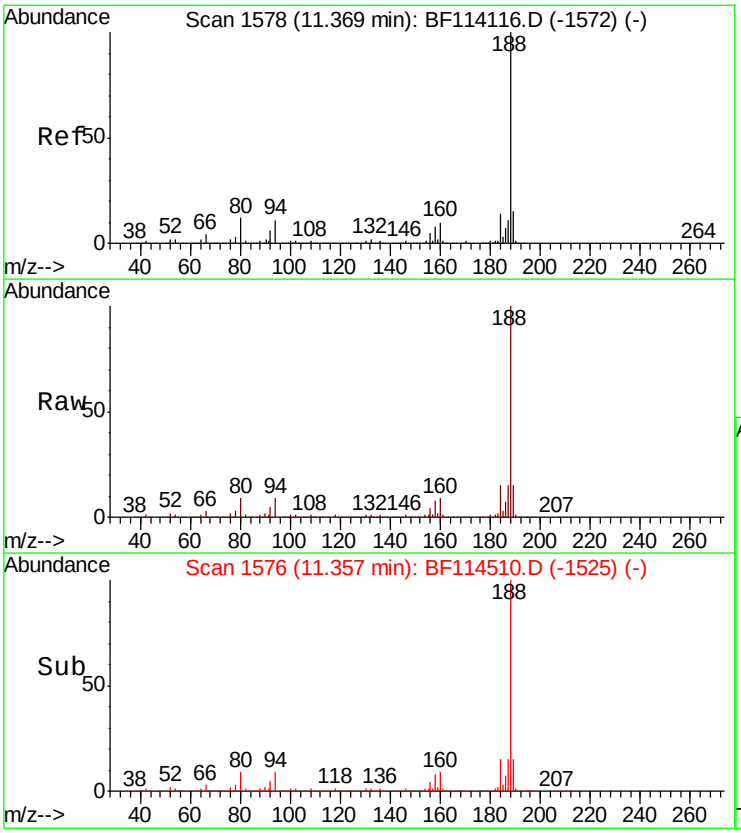
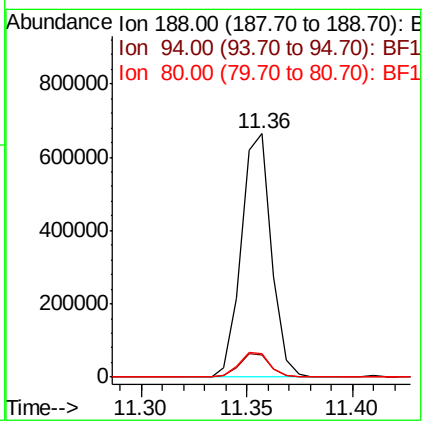
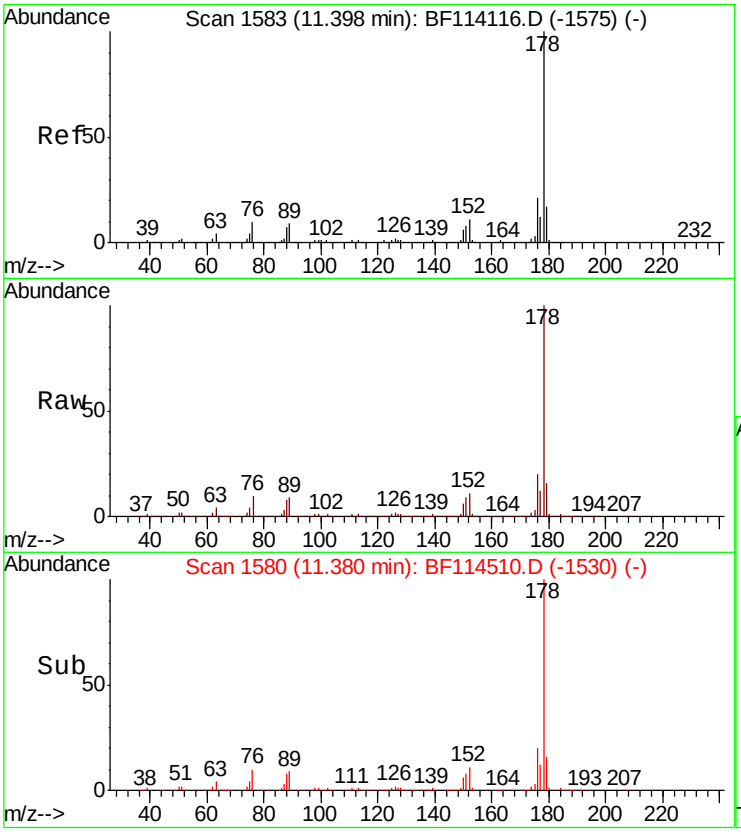


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:188 Resp: 654969

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.4	12.6
80	9.4	9.2	13.8

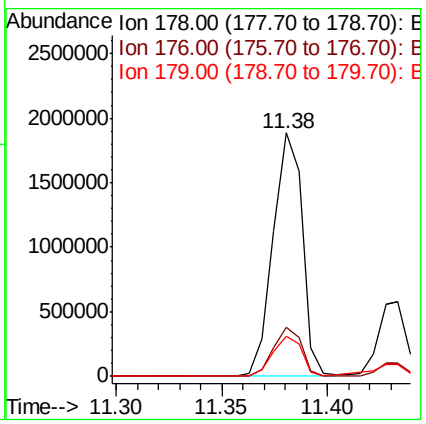




#71
Phenanthrene
Concen: 57.335 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:178 Resp: 1826989

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.4	24.6
179	16.4	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
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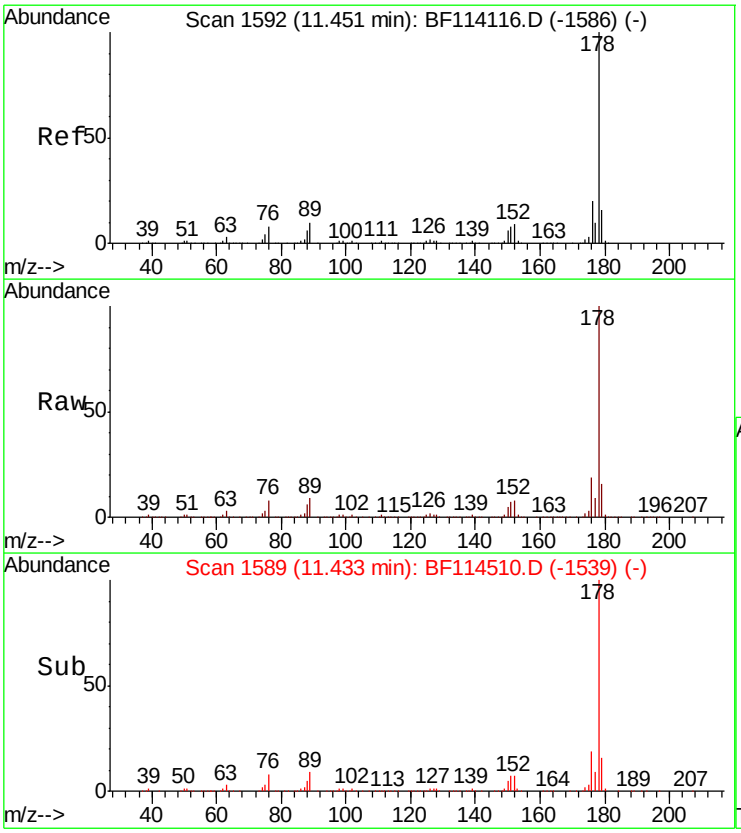
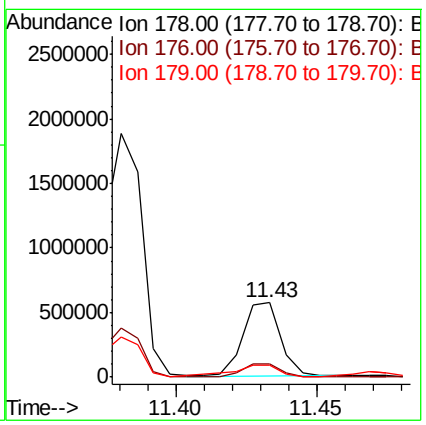
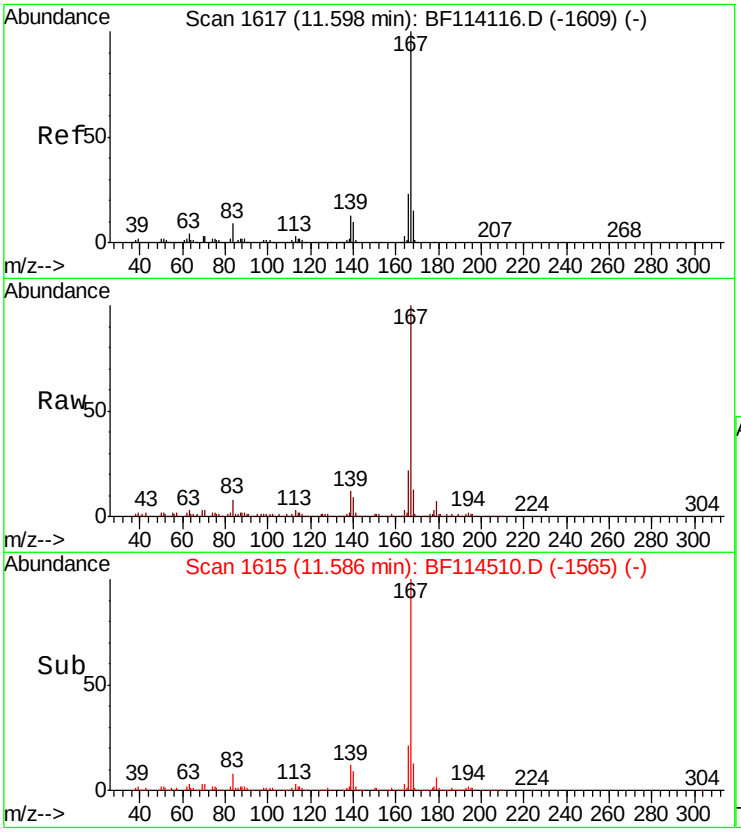


#72
Anthracene
Concen: 16.611 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:178 Resp: 531654

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.7	13.0	19.4

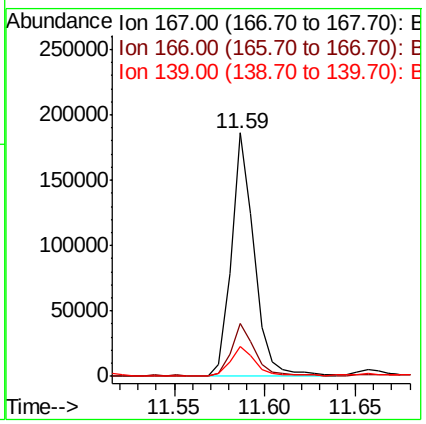




#73
Carbazole
Concen: 5.322 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:167 Resp: 162439

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.2
139	12.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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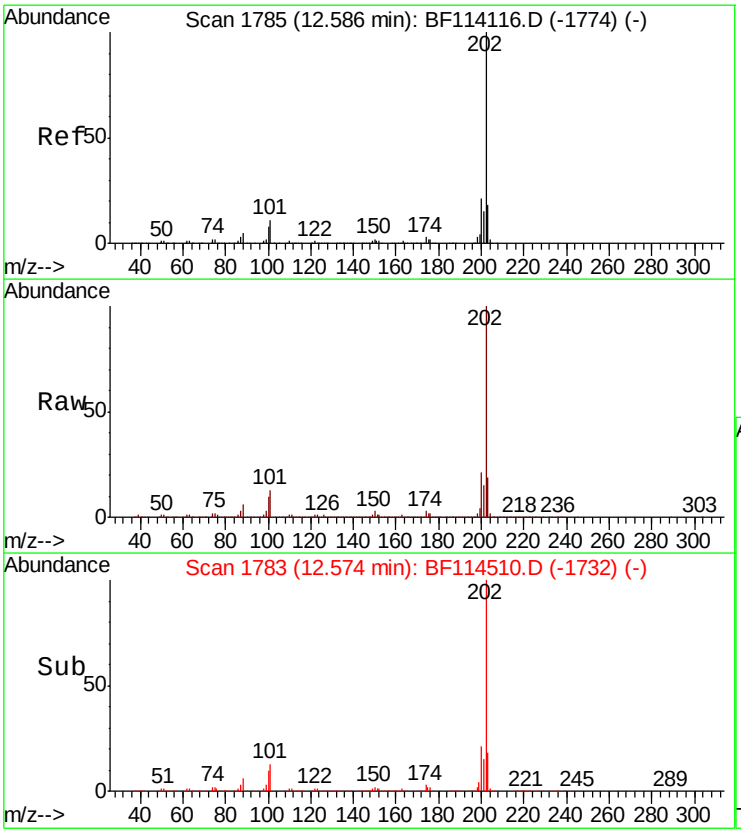
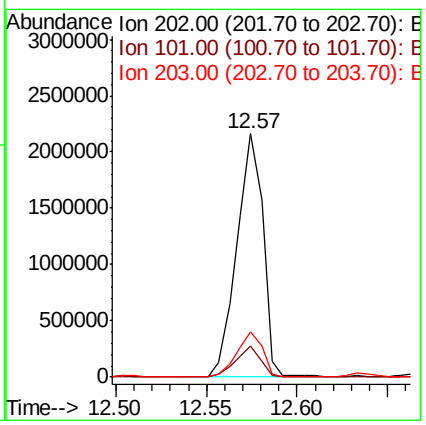
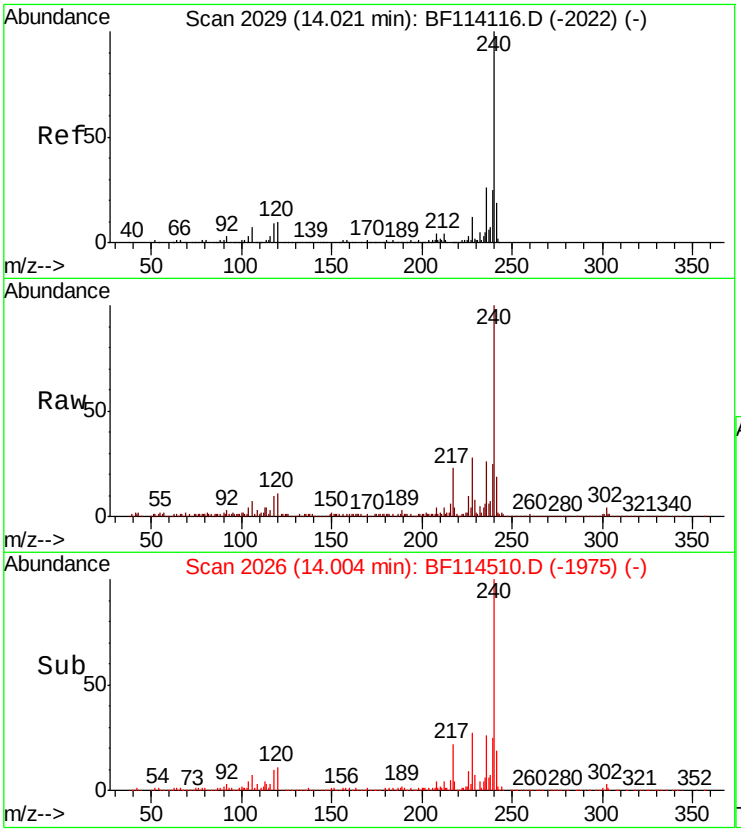


#75
Fluoranthene
Concen: 63.249 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:202 Resp: 2170365

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.0
203	18.5	0.0	38.4

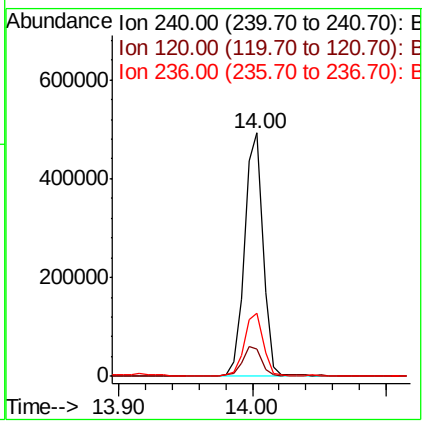




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:240 Resp: 464046

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.3	12.5
236	26.1	20.8	31.2



Instrument :
BNA_F
ClientSampleId :
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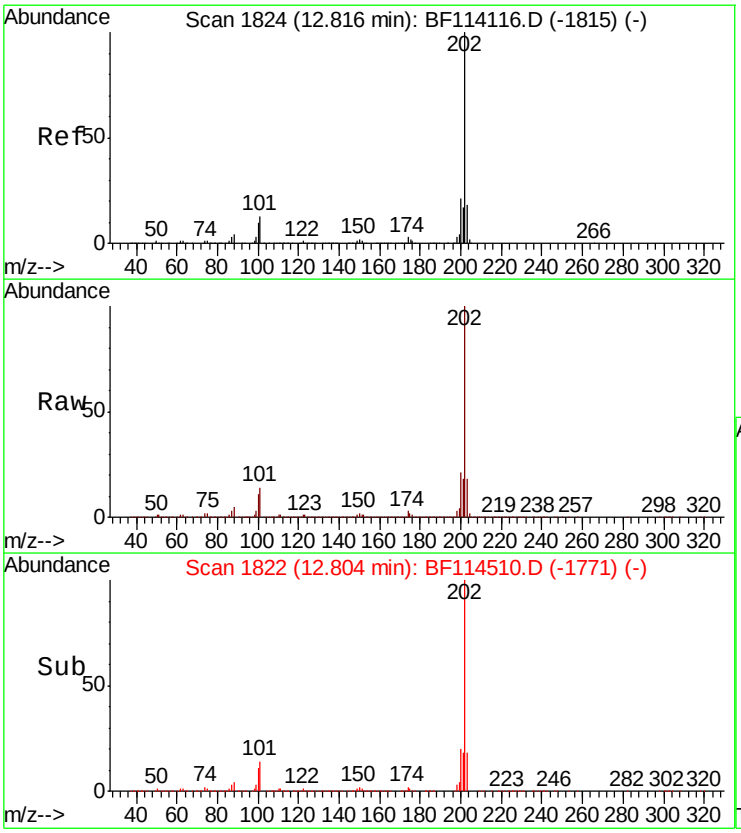
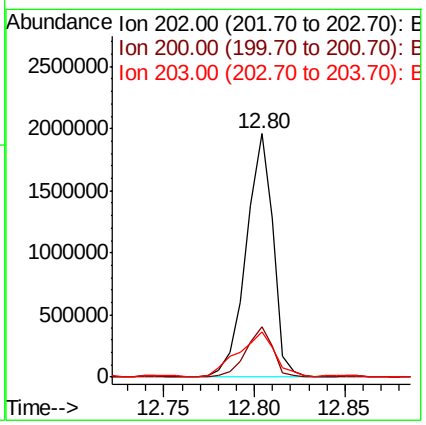
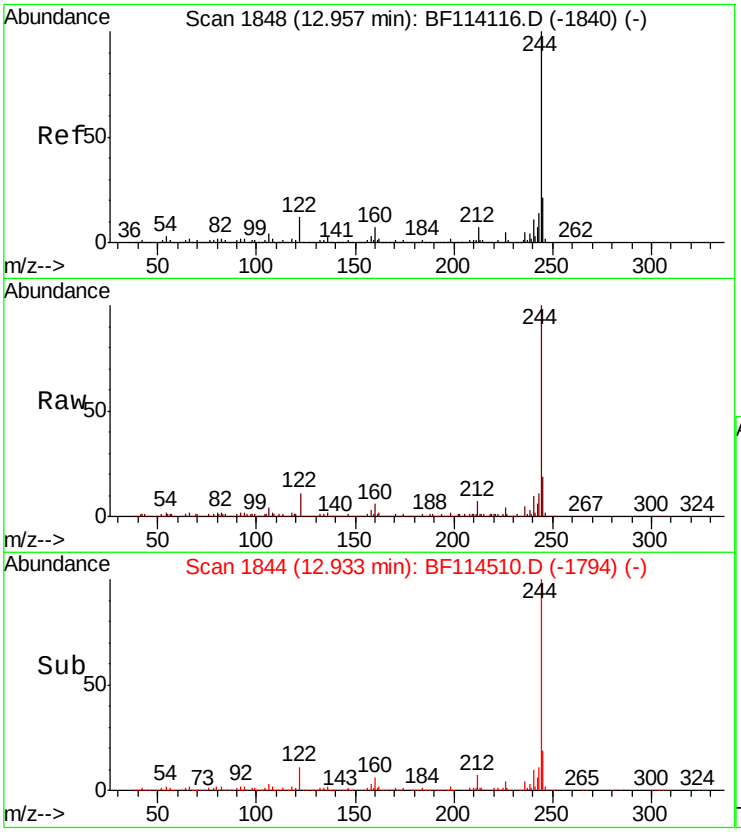


#78
Pyrene
Concen: 53.941 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:202 Resp: 2013647

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	18.4	14.5	21.7





#79
Terphenyl-d14
Concen: 23.189 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:244 Resp: 521995

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	10.8	9.4	14.2

Instrument :
BNA_F
ClientSampleId :
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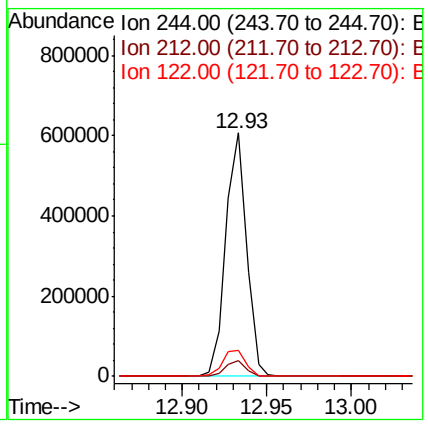
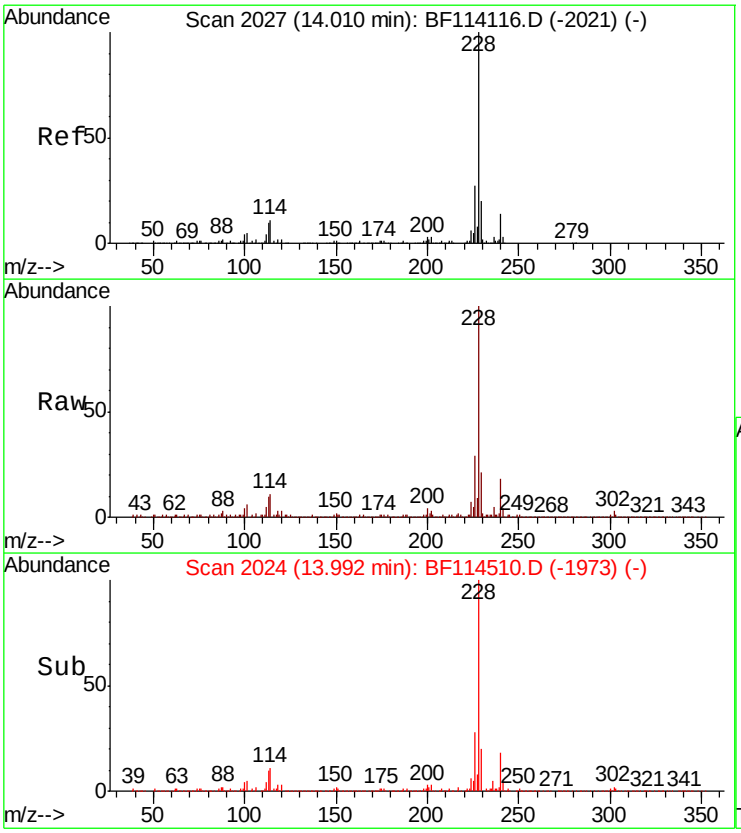
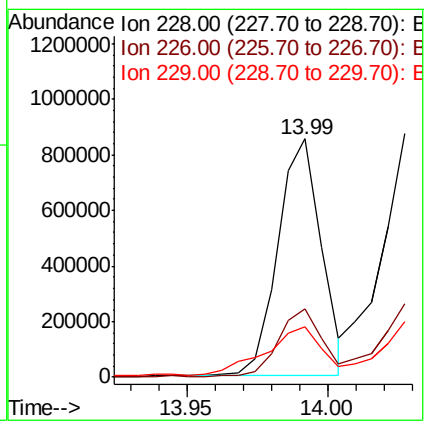


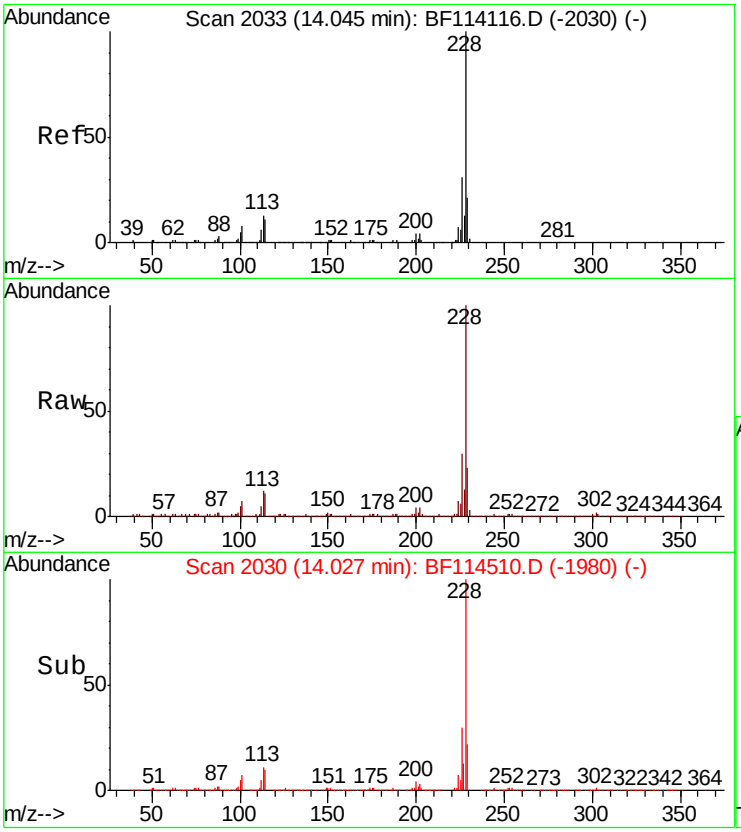


#81
Benzo(a)anthracene
Concen: 30.336 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:228 Resp: 910499

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.2
229	20.9	16.4	24.6

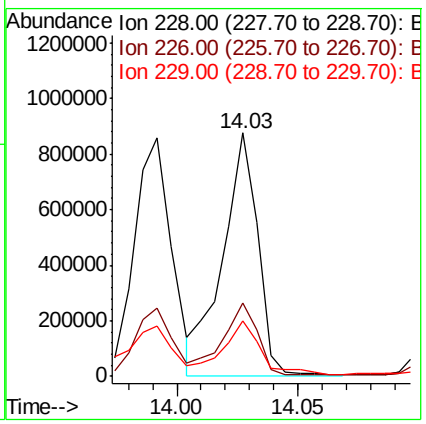




#83
Chrysene
Concen: 30.671 ng m
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:228 Resp: 902414

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.6	17.0	25.6



Instrument :
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ClientSampleId :
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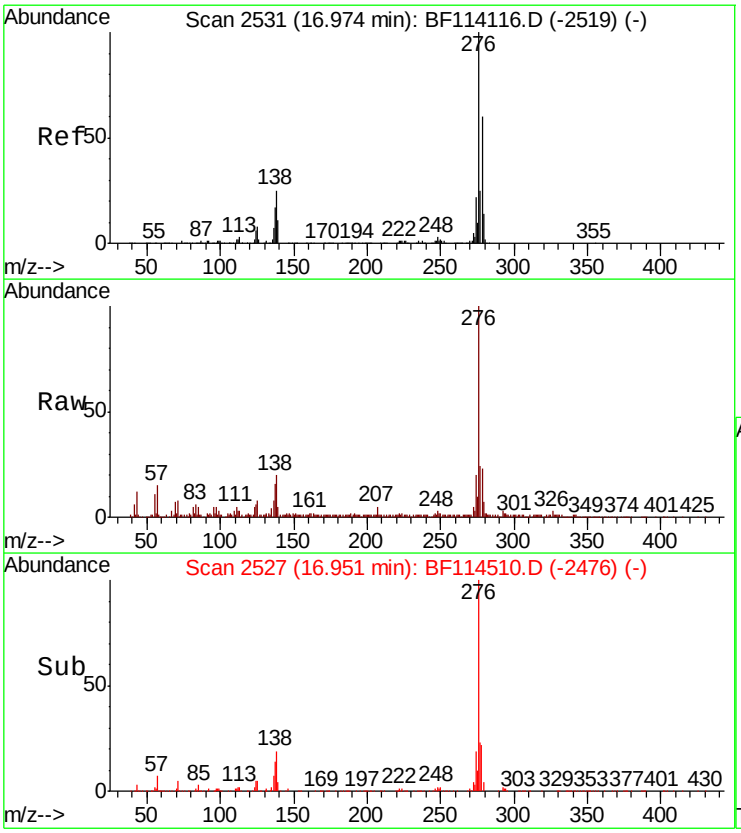
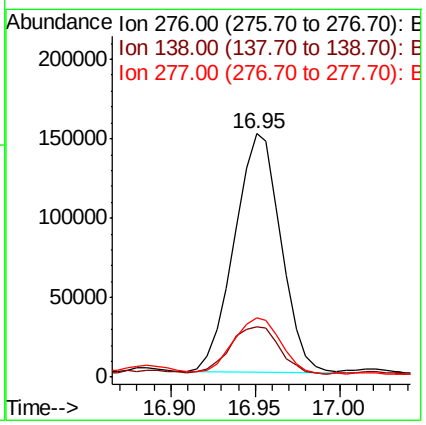
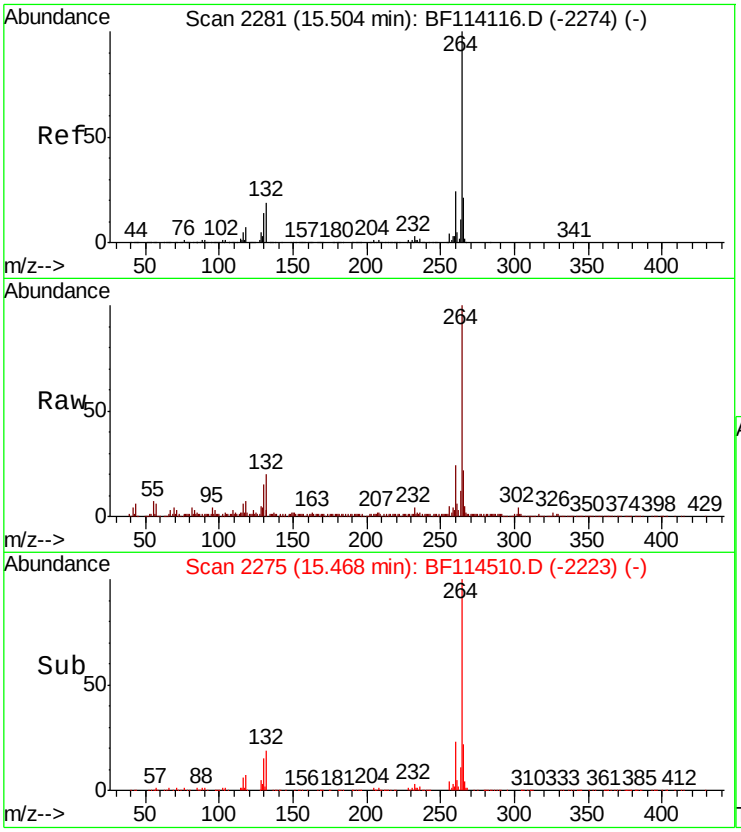


#86
Indeno(1,2,3-cd)pyrene
Concen: 11.055 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:276 Resp: 287475

Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.2	30.2
277	24.7	20.0	30.0

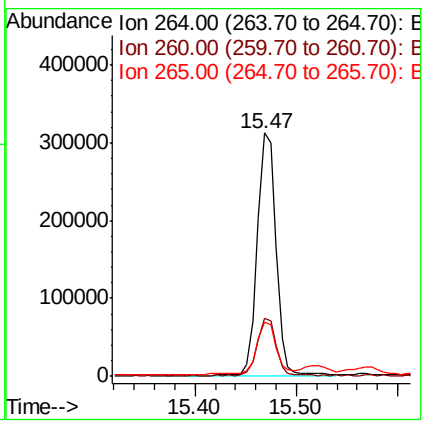




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:264 Resp: 405908

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	22.3	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
OK-01-052119

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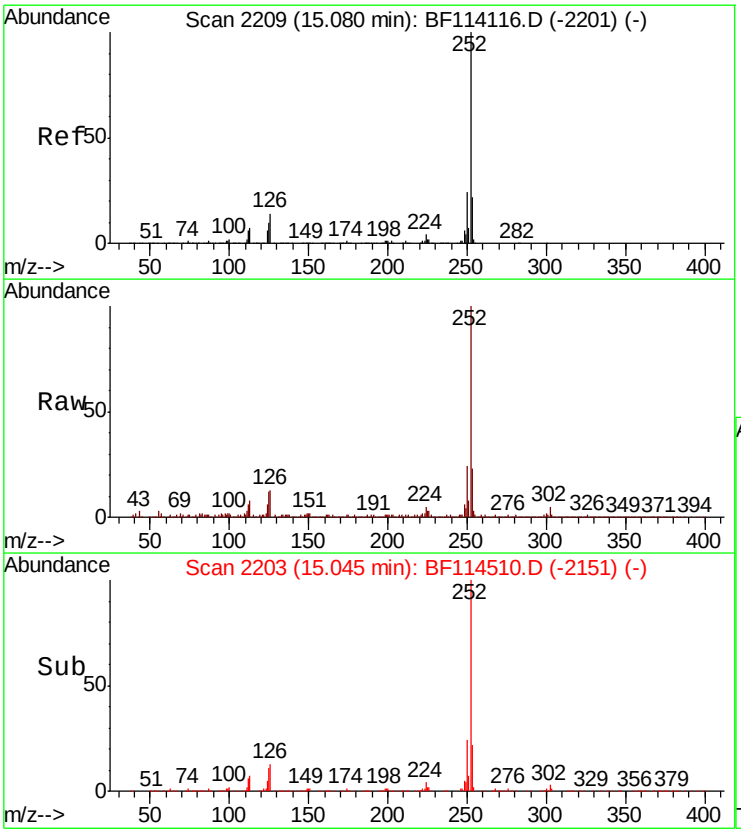
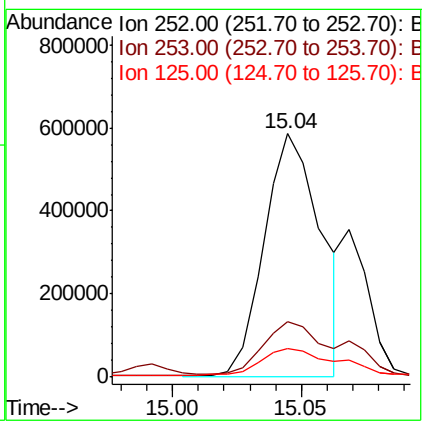
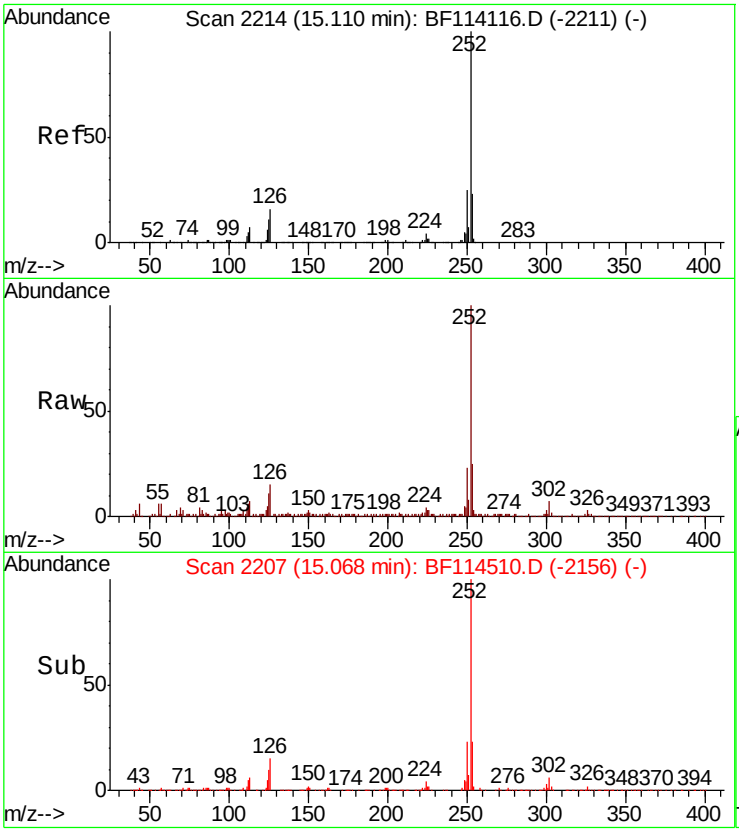


#88
Benzo(b)fluoranthene
Concen: 34.766 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:252 Resp: 904086

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.8	8.3	12.5

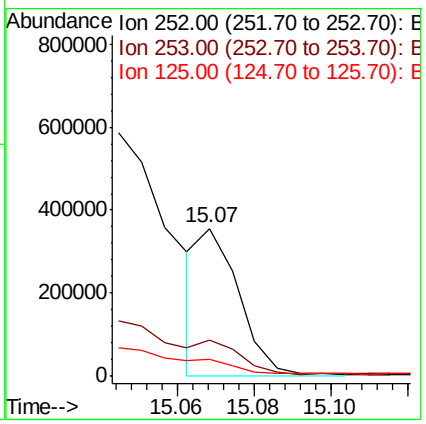




#89
Benzo(k)fluoranthene
Concen: 10.833 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:252 Resp: 258786

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	11.3	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
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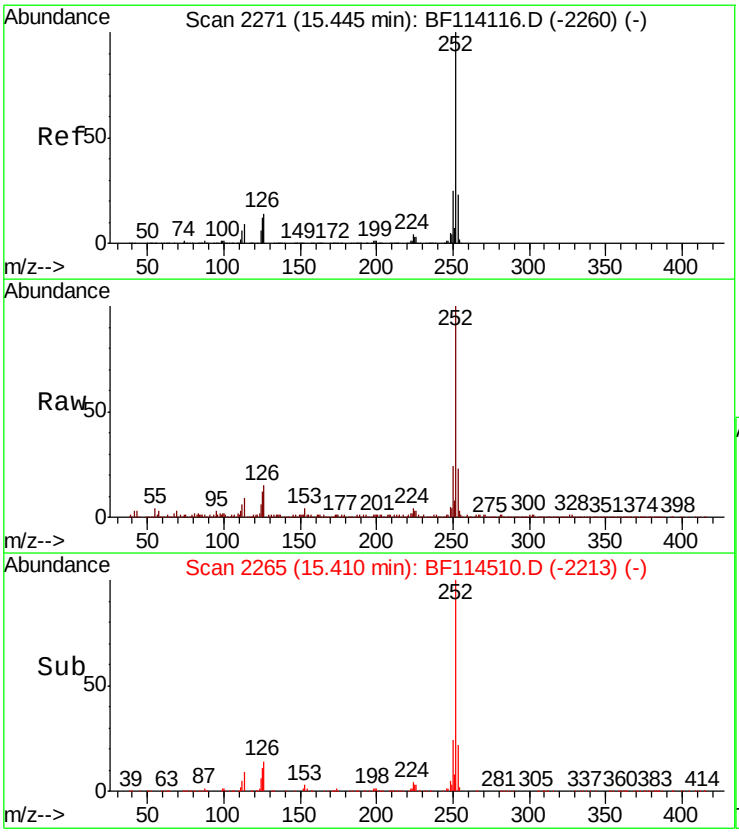
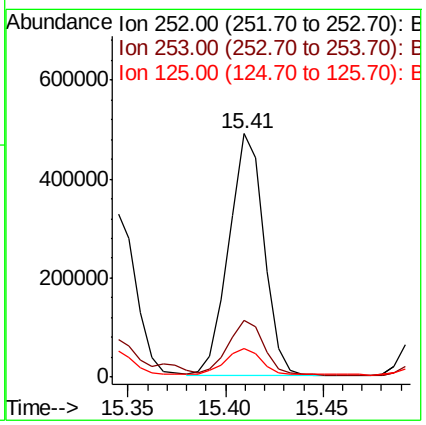
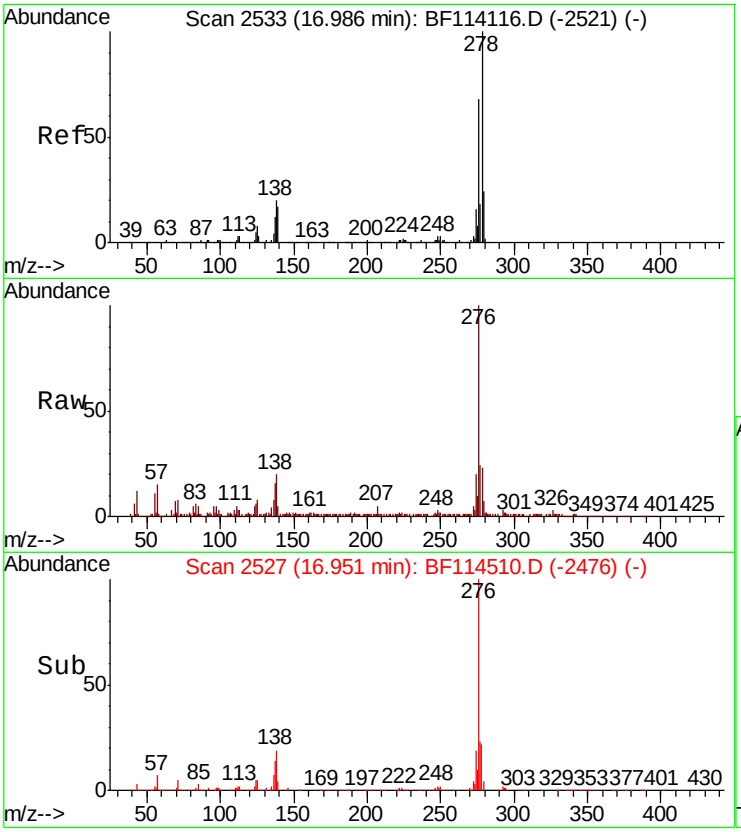


#90
Benzo(a)pyrene
Concen: 26.775 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:252 Resp: 612784

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.8	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 3.793 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:278 Resp: 72125

Ion	Ratio	Lower	Upper
278	100		
139	23.6	13.5	20.3#
279	30.6	19.0	28.6#

Instrument :
BNA_F
ClientSampleId :
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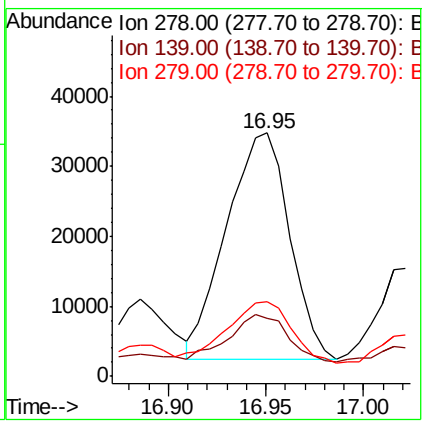

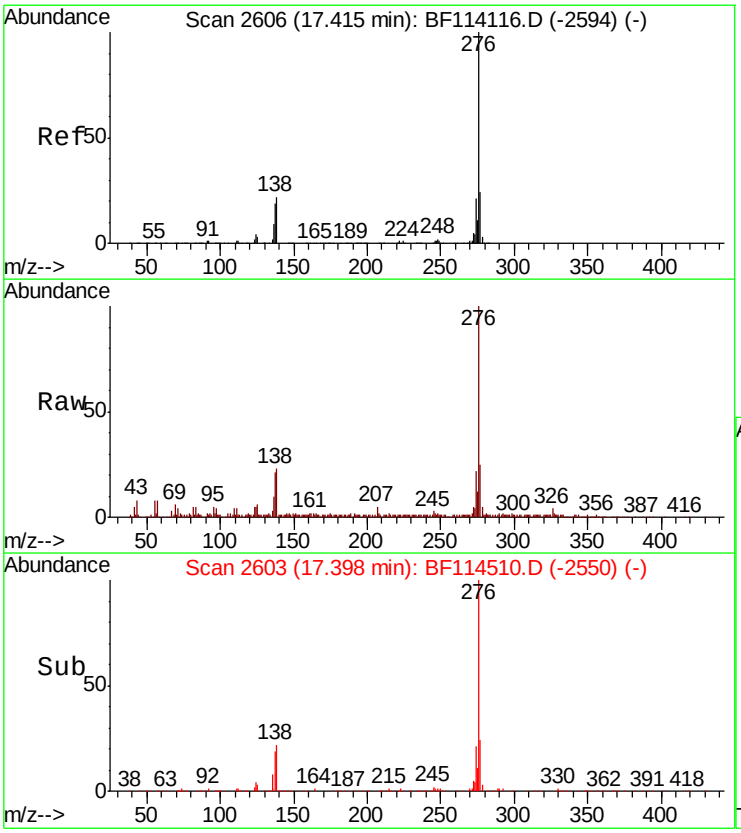

#92
Benzo(g,h,i)perylene
Concen: 15.308 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.01 min
Lab File: BF114510.D
Acq: 23 May 2019 3:25

Tgt Ion:276 Resp: 291753

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	23.3	17.8	26.6