Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116784.D
Acq On : 3 Sep 2019 20:33
Operator : HP/JU
Sample : K4554-19 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10-(0-2)

Manual Integrations APPROVED
mohammad
9/6/2019 8:18:23 AM

Quant Time: Sep 04 07:12:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	115472	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	474535	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	250848	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	436863	20.00	ng		0.00
76) Chrysene-d12	13.99	240	312052	20.00	ng		0.00
87) Perylene-d12	15.45	264	332610	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	420643	59.02	ng		0.00
7) Phenol-d6	6.47	99	580816	62.06	ng		0.00
23) Nitrobenzene-d5	7.40	82	340343	40.94	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	126120	75.21	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	632635	42.54	ng		0.00
79) Terphenyl-d14	12.94	244	668072	39.61	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.48	94	55734	5.378	ng		99
50) Dimethylphthalate	9.59	163	56969	3.289	ng		98
71) Phenanthrene	11.39	178	388899	15.992	ng		99
72) Anthracene	11.44	178	133953	5.472	ng		99
75) Fluoranthene	12.57	202	470130	19.671	ng		99
78) Pyrene	12.80	202	412550	14.872	ng		98
81) Benzo(a)anthracene	13.99	228	191139	9.678	ng		96
83) Chrysene	14.02	228	166095	8.163	ng		98
86) Indeno(1,2,3-cd)pyrene	16.89	276	78457	4.801	ng		95
88) Benzo(b)fluoranthene	15.03	252	207109m	10.299	ng		
89) Benzo(k)fluoranthene	15.05	252	54179m	2.955	ng		
90) Benzo(a)pyrene	15.39	252	142188	8.127	ng	#	96
92) Benzo(g,h,i)perylene	17.33	276	63464	4.064	ng	#	91

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

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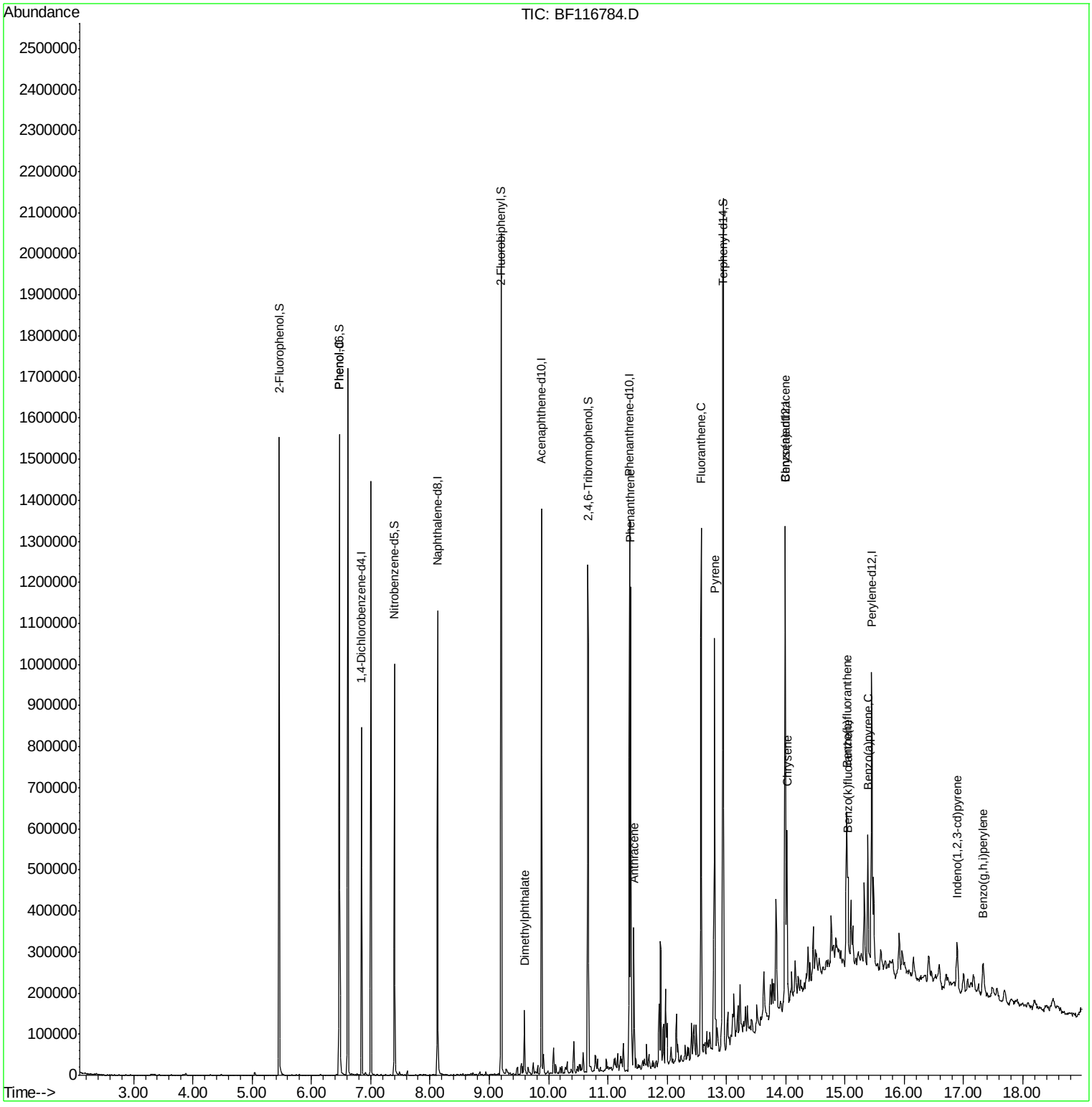
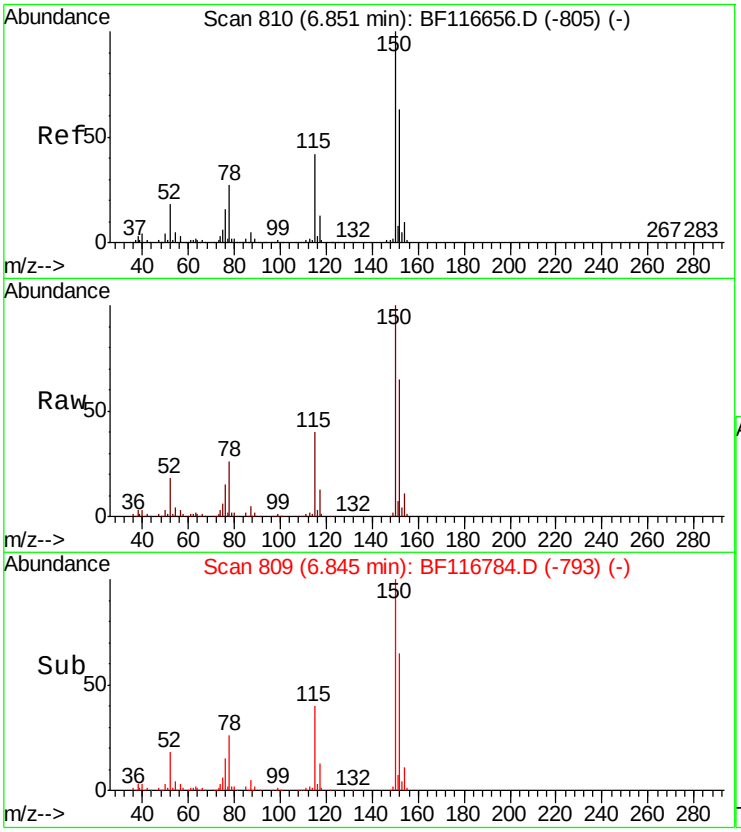
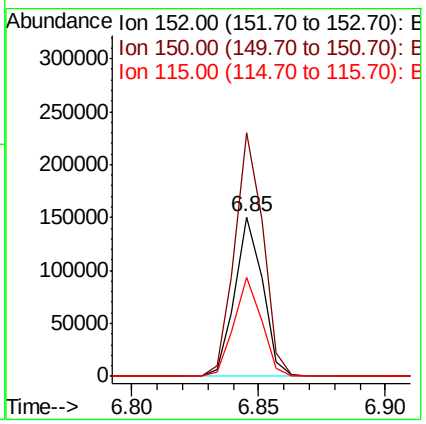




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:152 Resp: 115472

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.4	186.6
115	61.9	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SB-10-(0-2)

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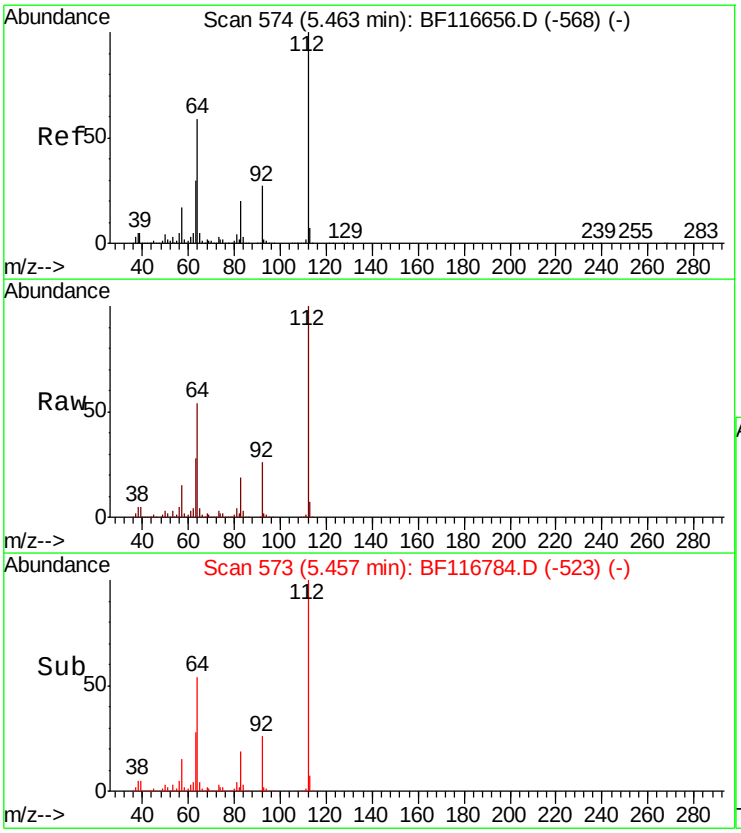
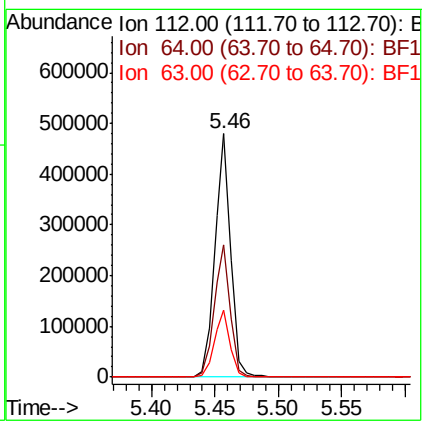
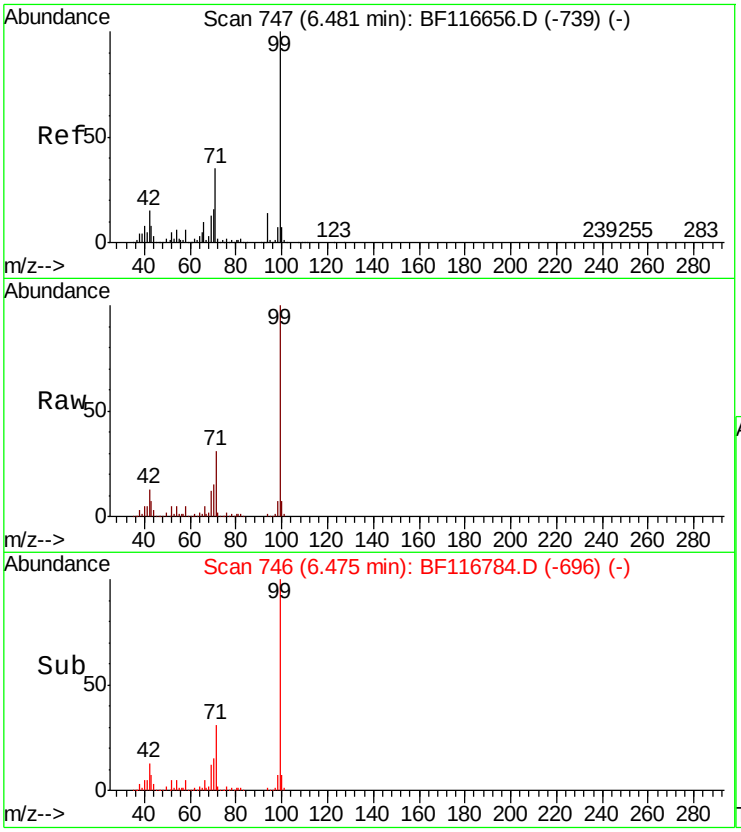


#5
2-Fluorophenol
Concen: 59.016 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:112 Resp: 420643

Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.1	70.7
63	27.6	24.9	37.3





#7
Phenol-d6
Concen: 62.057 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion: 99 Resp: 580816

Ion	Ratio	Lower	Upper
99	100		
42	13.0	13.7	20.5#
71	30.9	30.8	46.2

Instrument :
BNA_F
ClientSampleId :
SB-10-(0-2)

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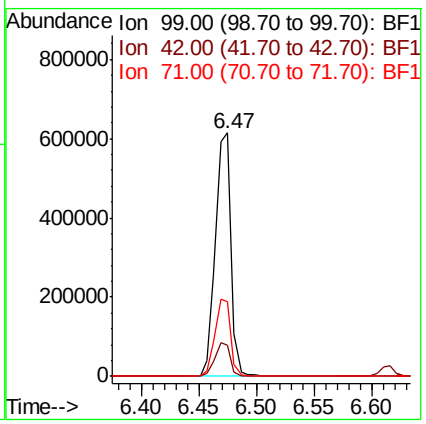
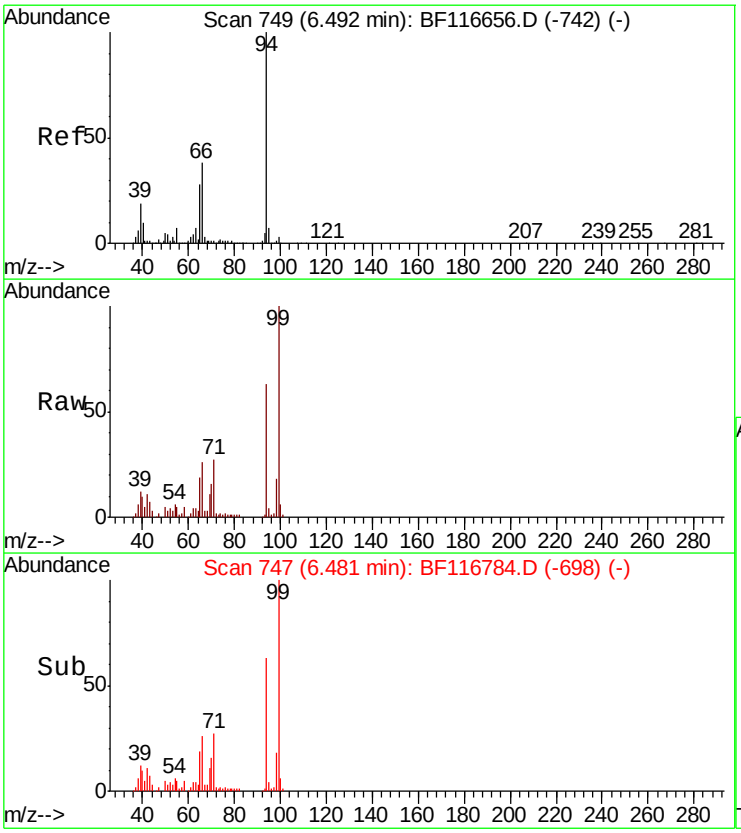
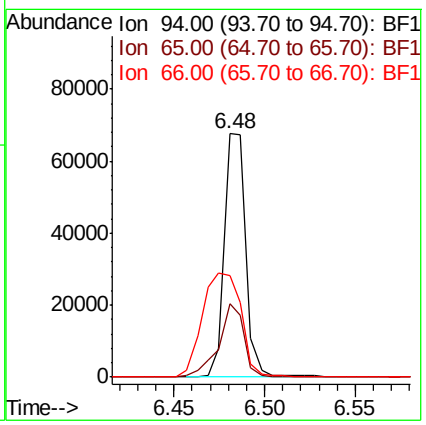


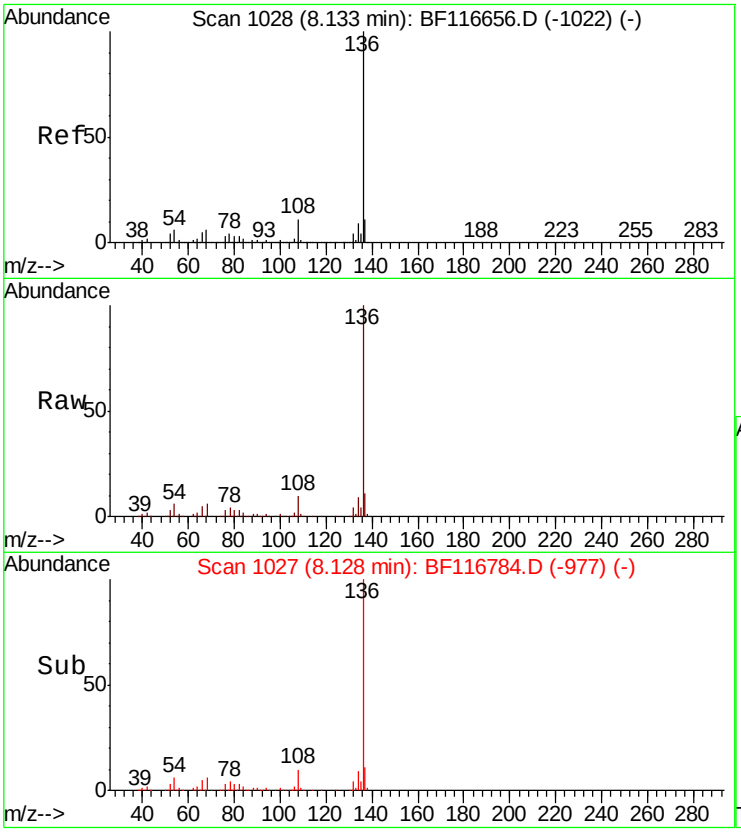


#10
Phenol
Concen: 5.378 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion: 94 Resp: 55734

Ion	Ratio	Lower	Upper
94	100		
65	30.4	10.8	50.8
66	41.8	21.1	61.1

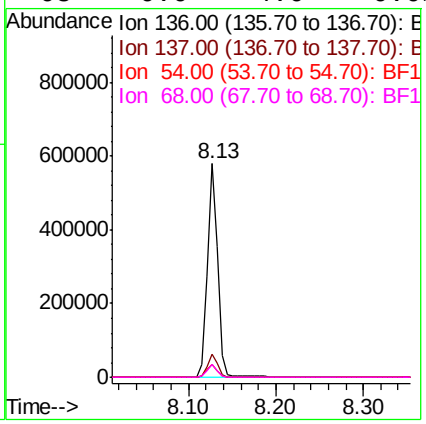




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:136 Resp: 474535

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.2	4.8	7.2
68	6.0	4.0	6.0#



Instrument :
BNA_F
ClientSampleId :
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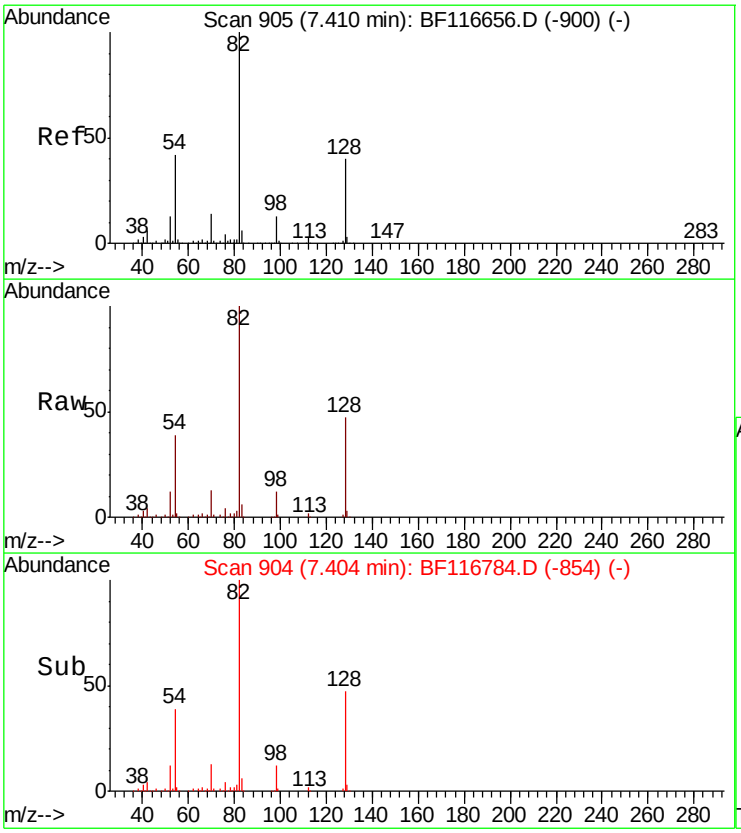
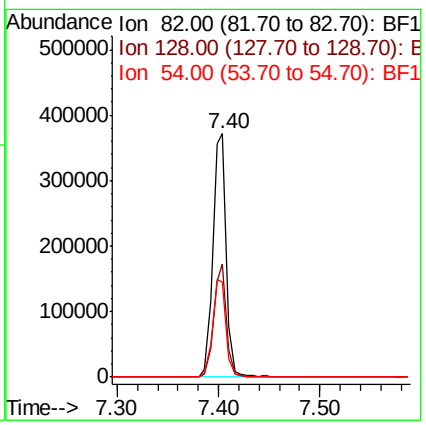
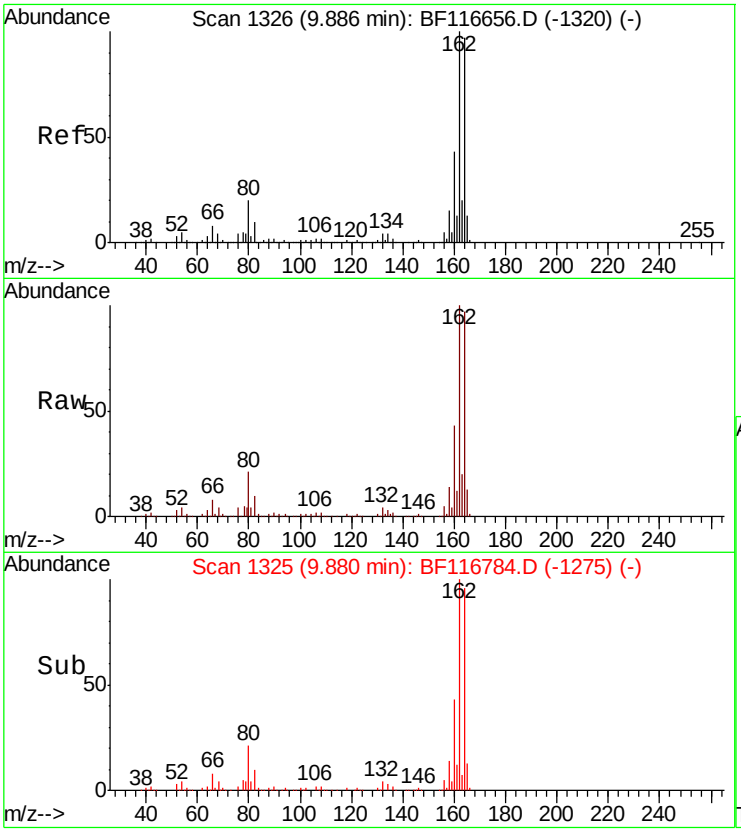


#23
Nitrobenzene-d5
Concen: 40.944 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion: 82 Resp: 340343

Ion	Ratio	Lower	Upper
82	100		
128	46.5	32.8	49.2
54	38.8	36.9	55.3

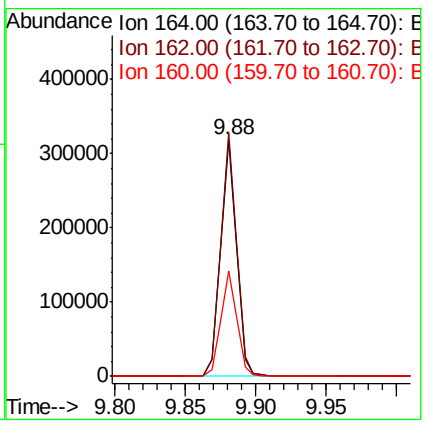




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:164 Resp: 250848

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.4	122.0
160	44.5	35.4	53.2



Instrument :
BNA_F
ClientSampleId :
SB-10-(0-2)

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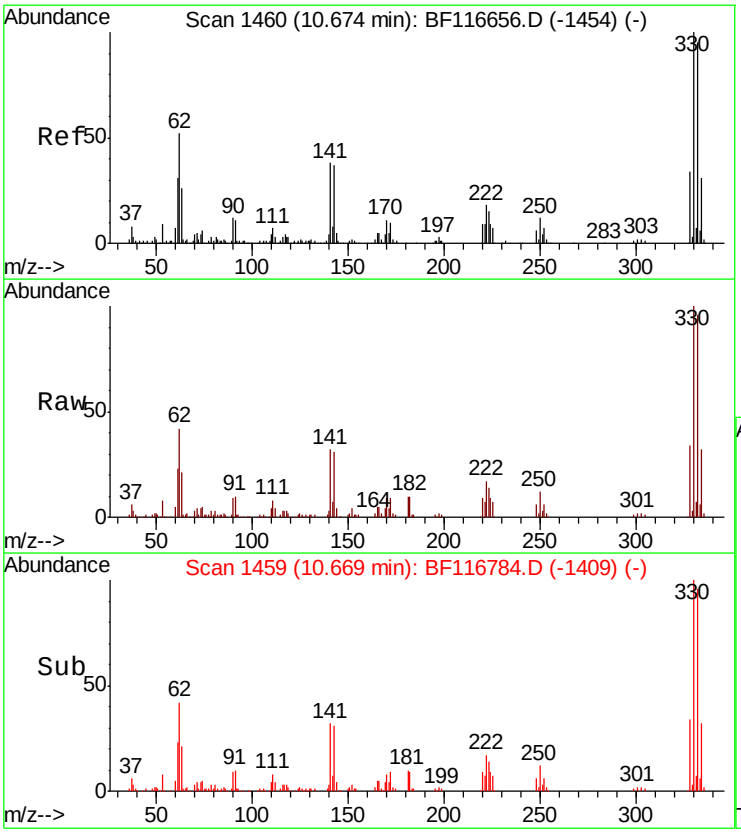
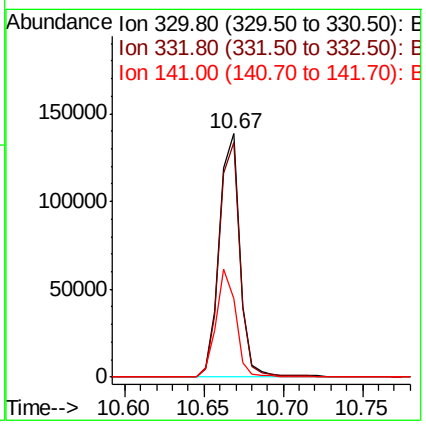
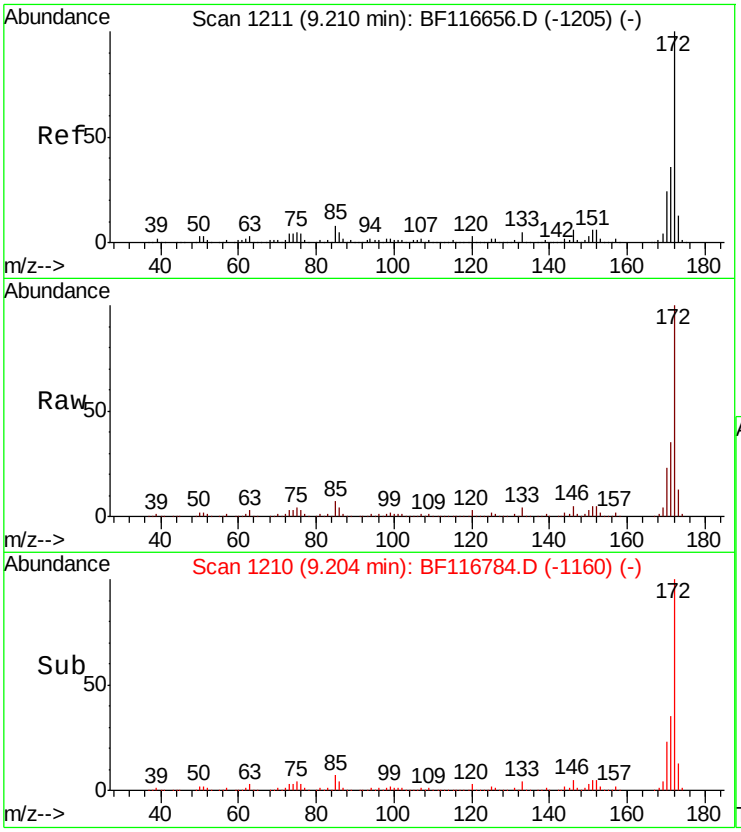


#42
2,4,6-Tribromophenol
Concen: 75.207 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:330 Resp: 126120

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	42.8	31.4	47.2

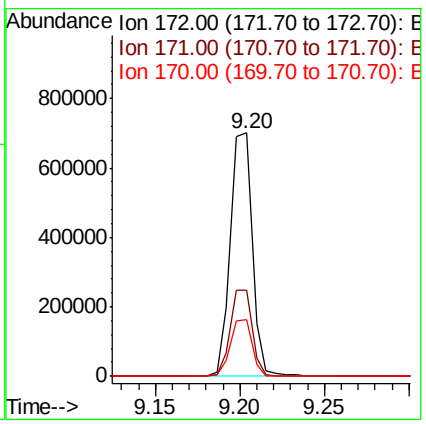




#45
2-Fluorobiphenyl
Concen: 42.543 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:172 Resp: 632635

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	23.4	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SB-10-(0-2)

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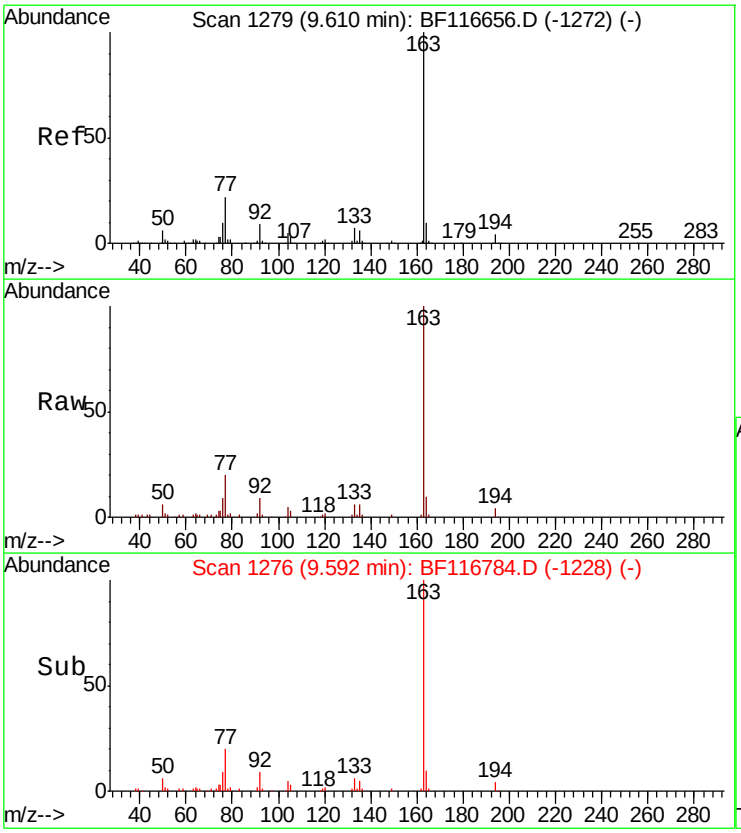
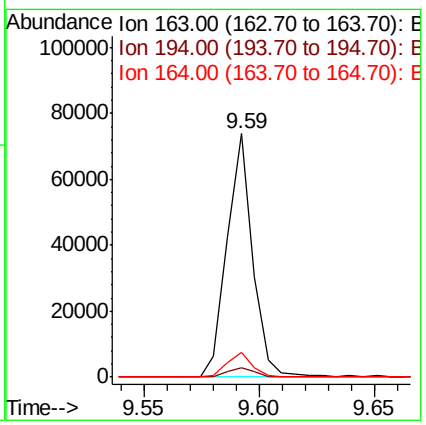
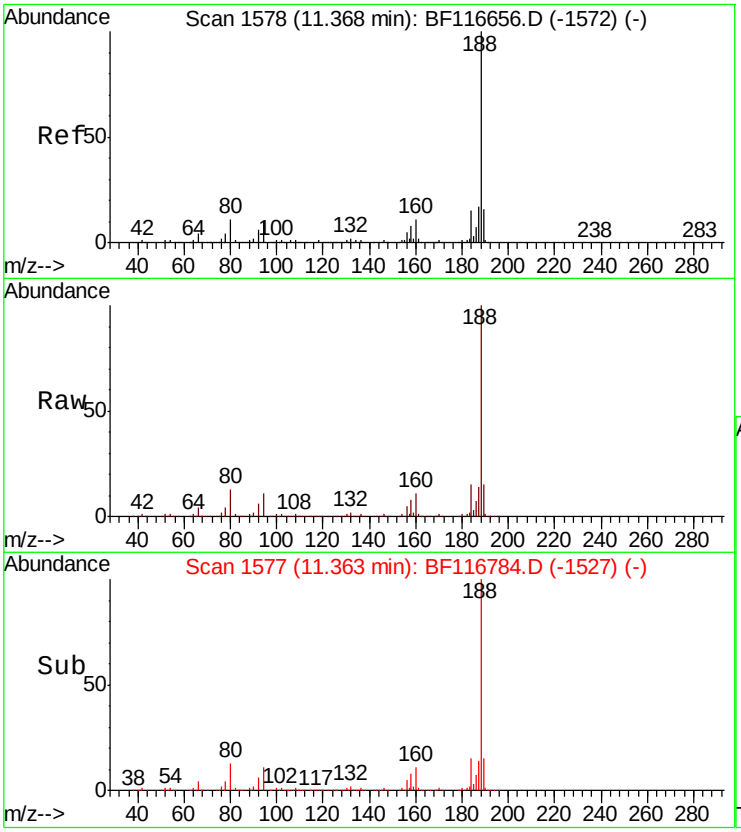


#50
Dimethylphthalate
Concen: 3.289 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:163 Resp: 56969

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.9	8.6	12.8

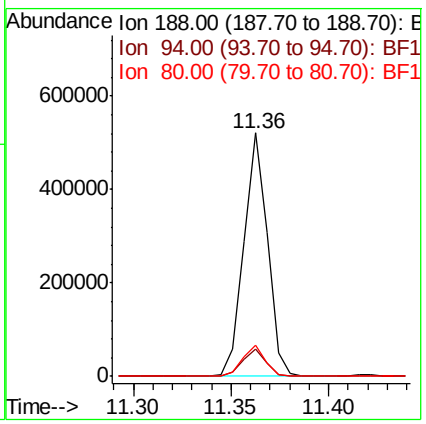




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:188 Resp: 436863

Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.3	10.9#
80	12.6	8.4	12.6



Instrument :
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ClientSampleId :
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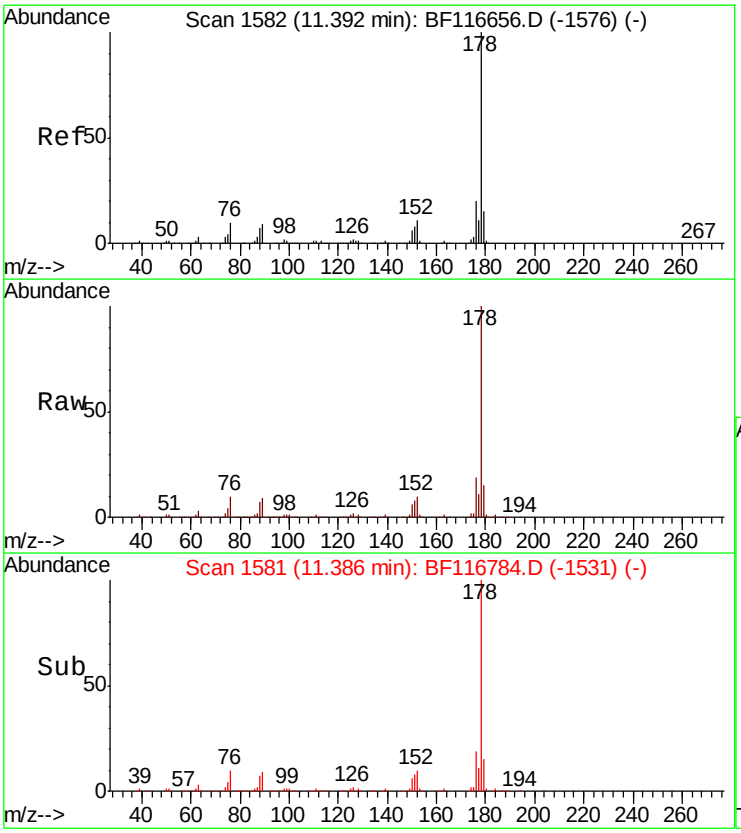
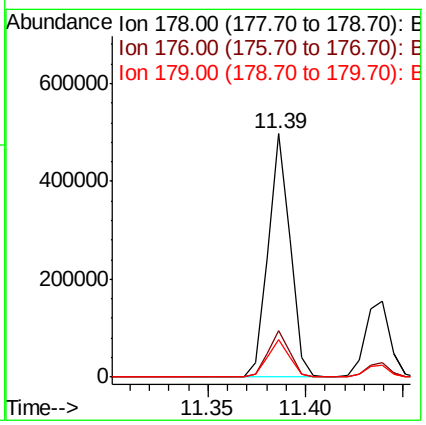
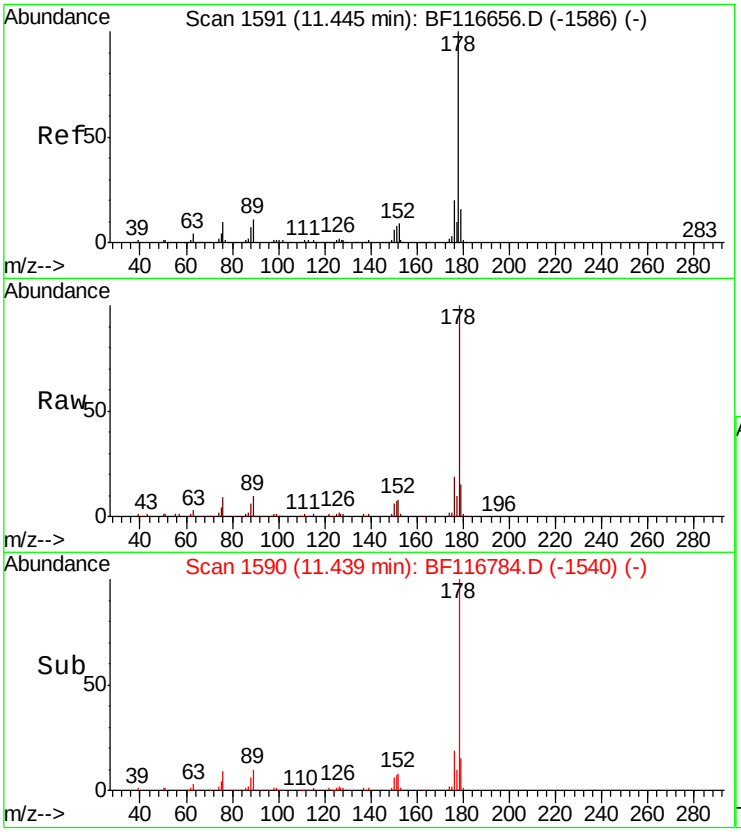


#71
Phenanthrene
Concen: 15.992 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:178 Resp: 388899

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.5	12.2	18.2

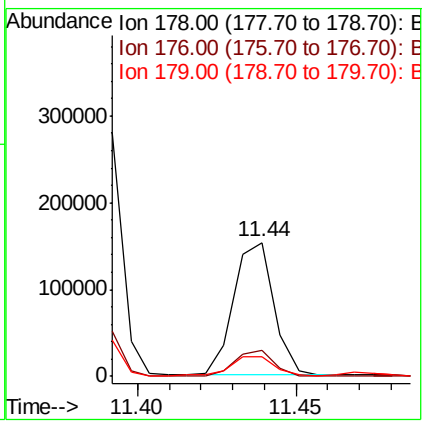




#72
Anthracene
Concen: 5.472 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:178 Resp: 133953

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.1	12.5	18.7



Instrument :
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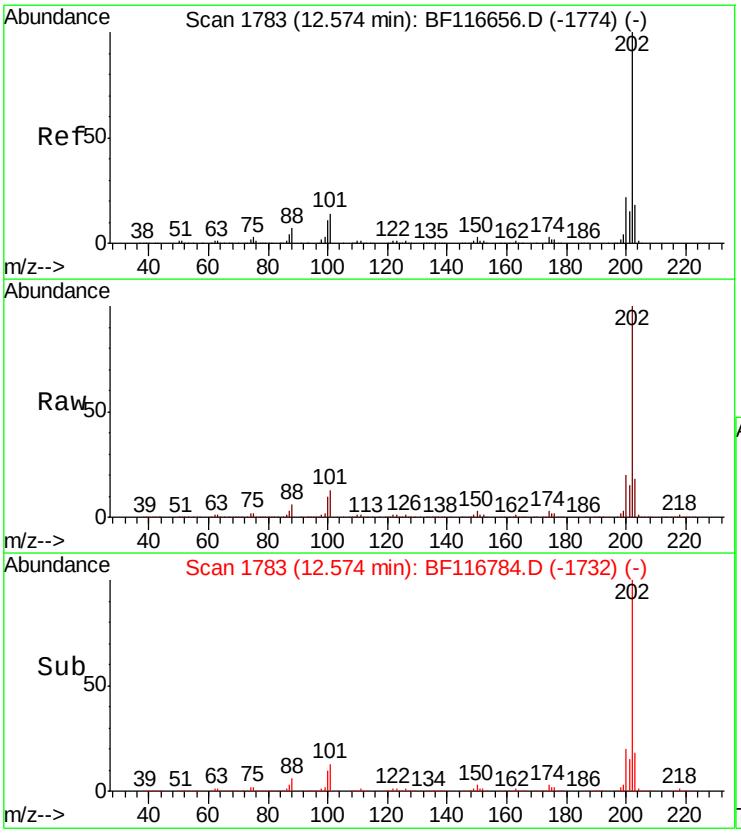
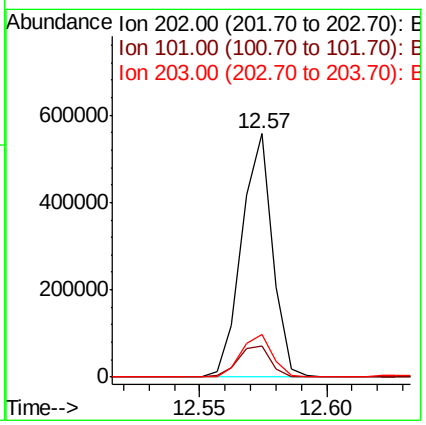
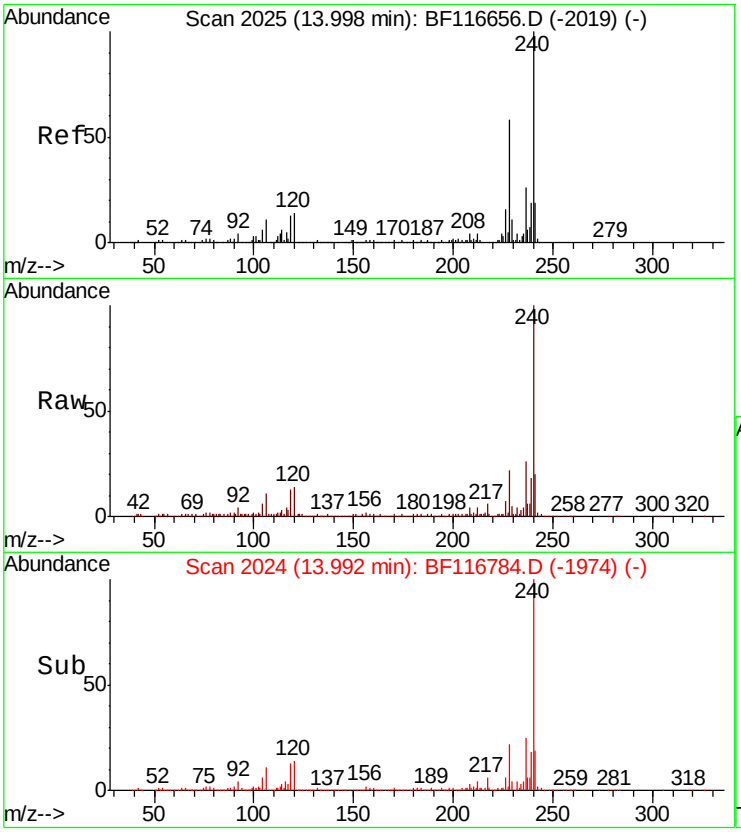


#75
Fluoranthene
Concen: 19.671 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:202 Resp: 470130

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.3
203	17.7	0.0	37.6

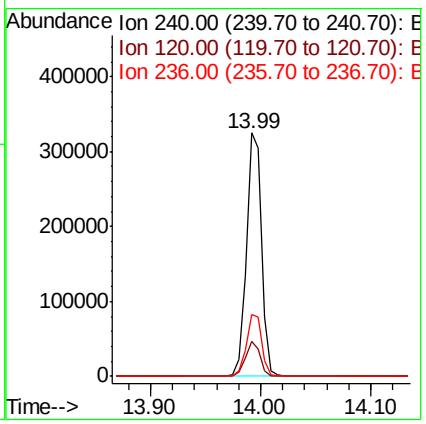




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:240 Resp: 312052

Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.1	13.7#
236	25.5	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
SB-10-(0-2)

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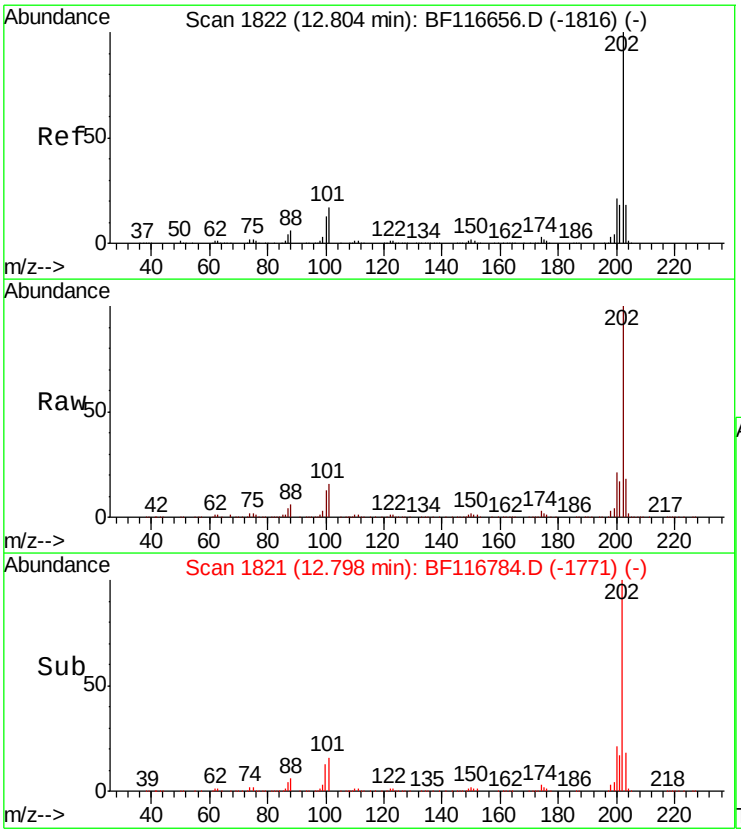
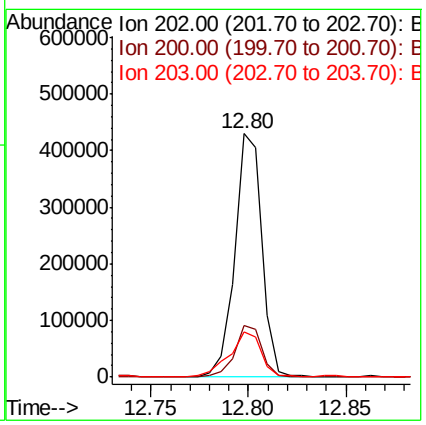
9/6/2019 8:18:23 AM

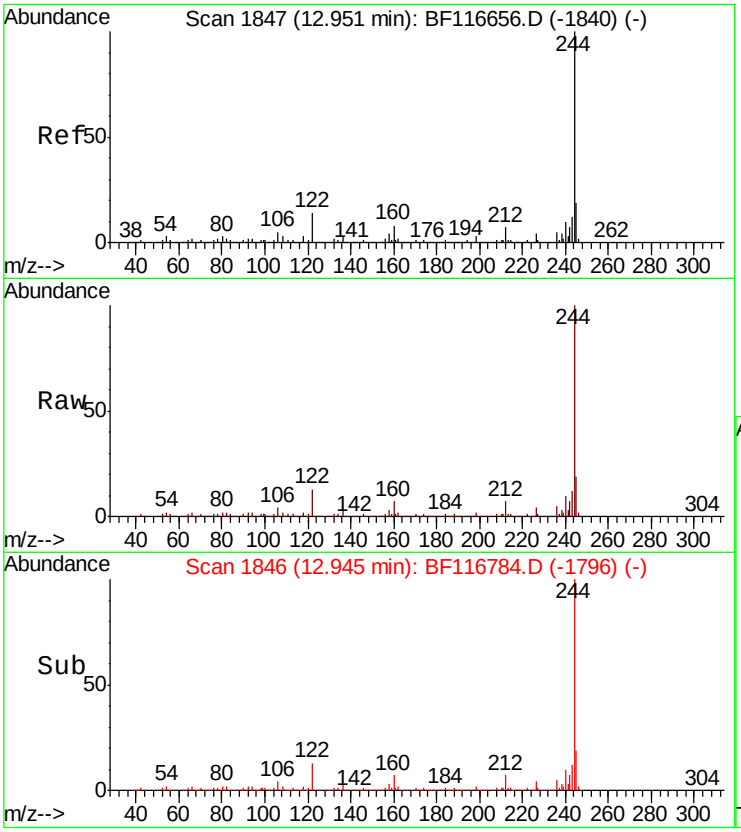


#78
Pyrene
Concen: 14.872 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:202 Resp: 412550

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	18.3	13.7	20.5

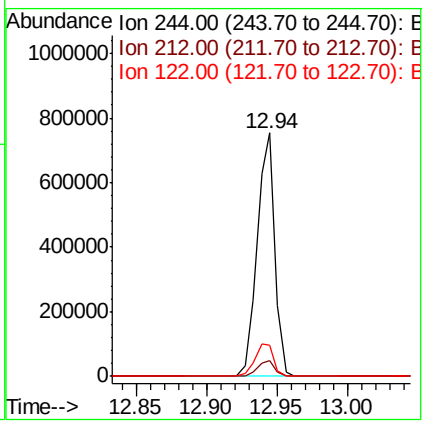




#79
Terphenyl-d14
Concen: 39.605 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:244 Resp: 668072

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.1	9.1
122	12.6	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
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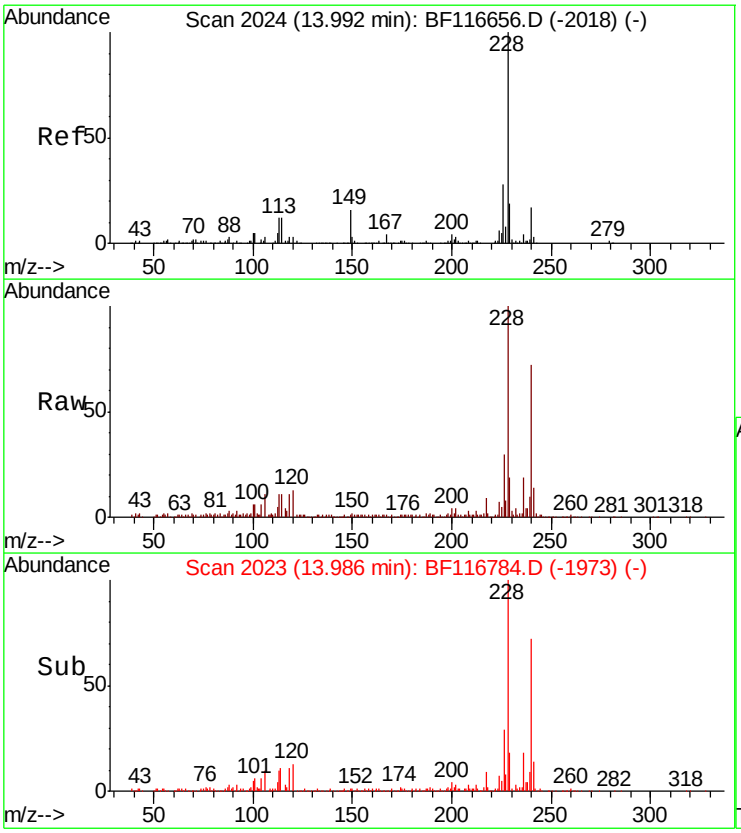
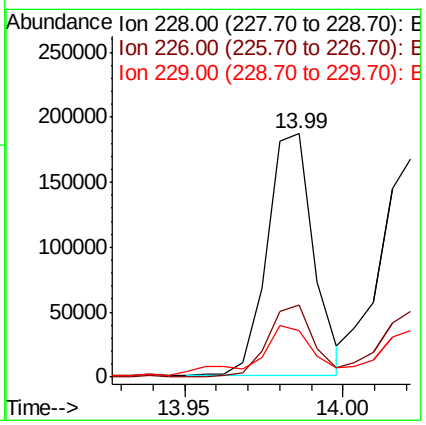
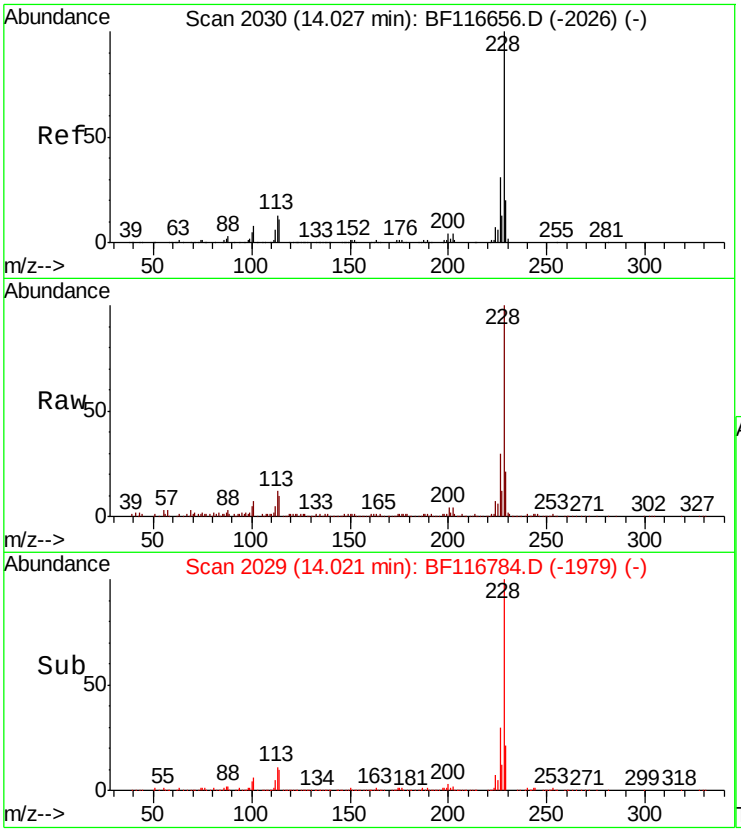


#81
Benzo(a)anthracene
Concen: 9.678 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:228 Resp: 191139

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.0	33.0
229	19.0	16.4	24.6

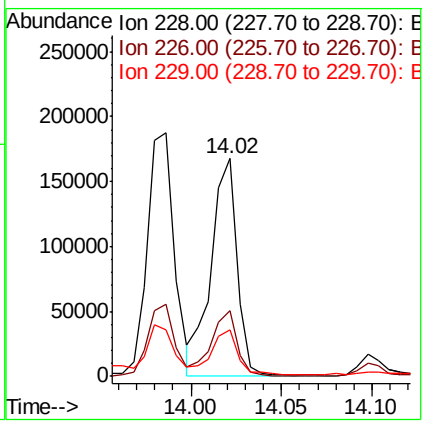




#83
Chrysene
Concen: 8.163 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:228 Resp: 166095

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.3	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
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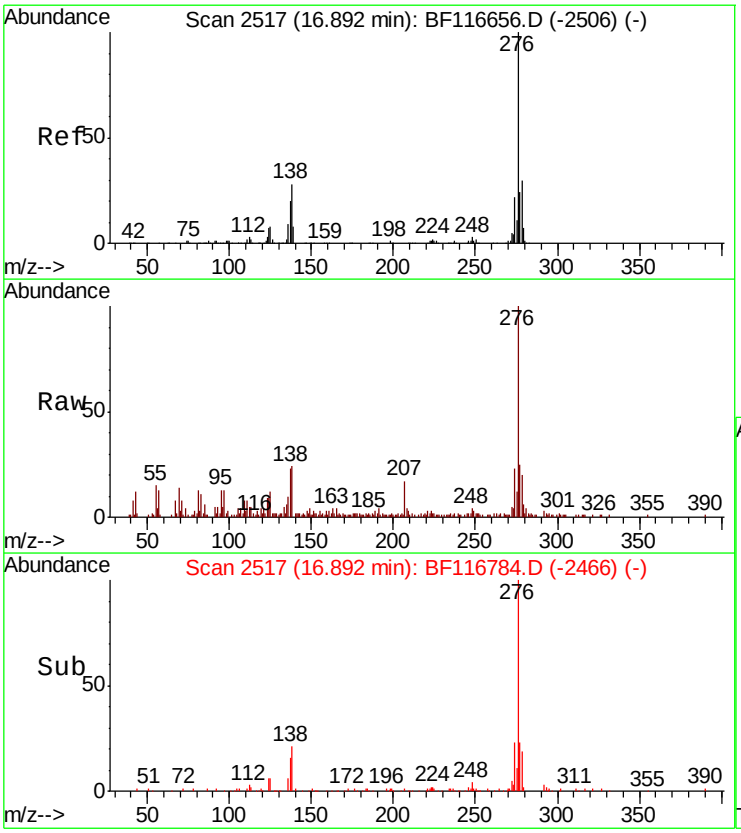
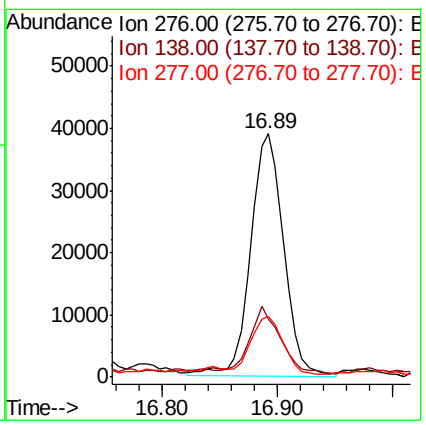
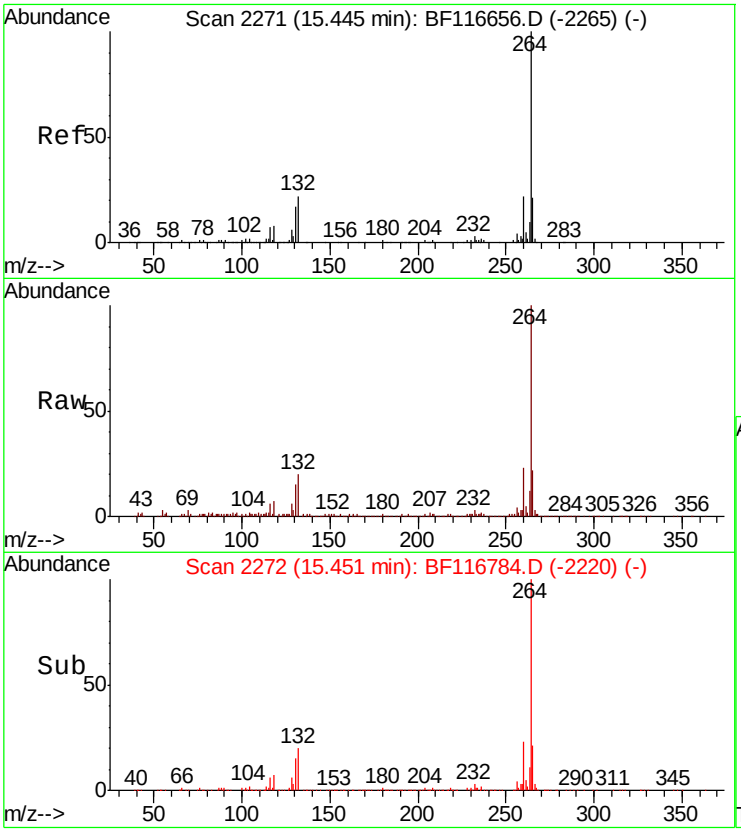


#86
Indeno(1,2,3-cd)pyrene
Concen: 4.801 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:276 Resp: 78457

Ion	Ratio	Lower	Upper
276	100		
138	26.1	19.4	29.2
277	22.8	20.5	30.7





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:264 Resp: 332610

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.7	16.5	24.7

Instrument :
BNA_F
ClientSampleId :
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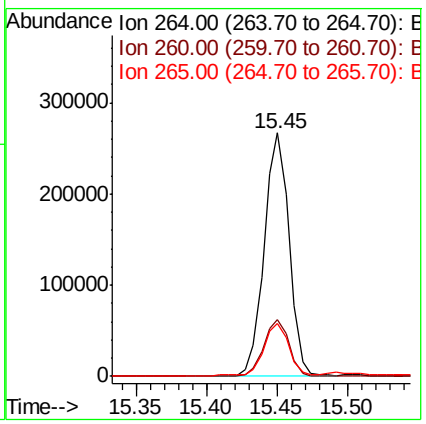
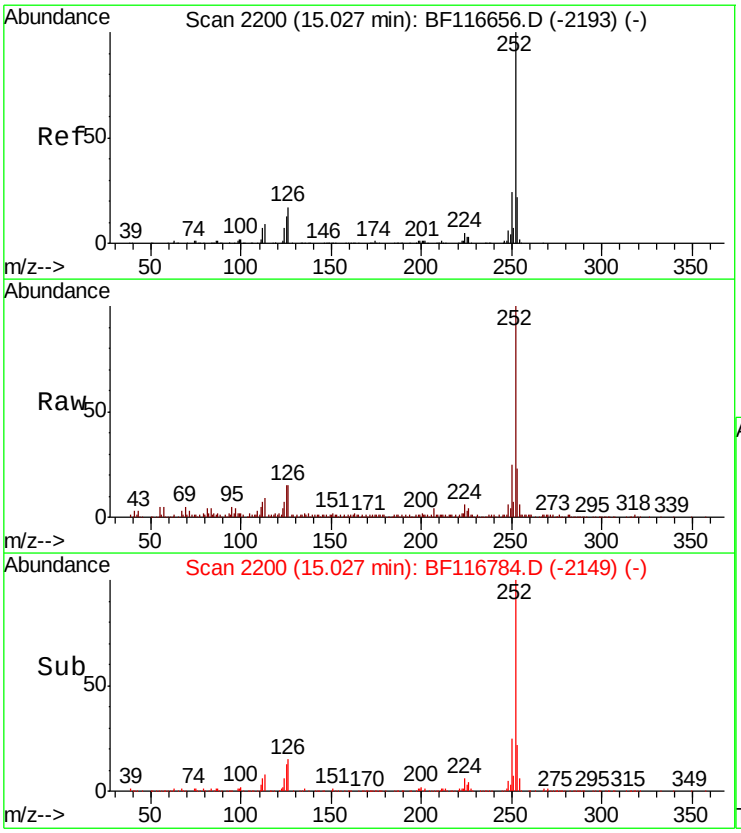
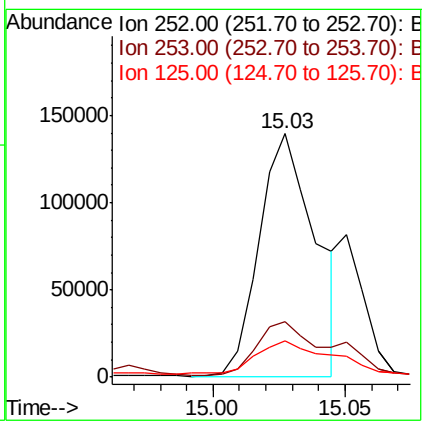


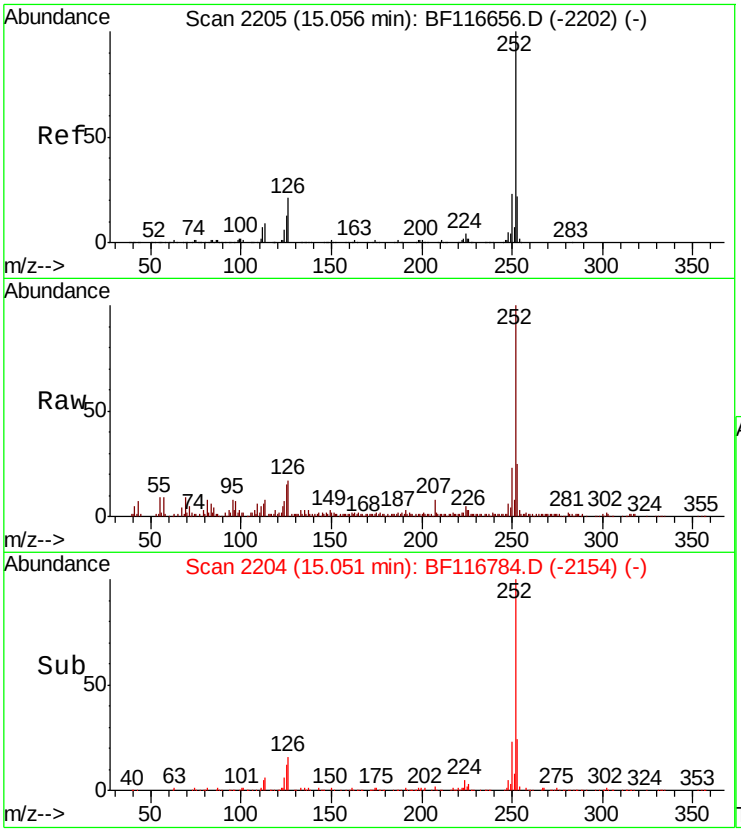


#88
Benzo(b)fluoranthene
Concen: 10.299 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:252 Resp: 207109

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	15.0	8.2	12.2#





#89
Benzo(k)fluoranthene
Concen: 2.955 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:252 Resp: 54179

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	14.5	8.6	13.0#

Instrument :
BNA_F
ClientSampleId :
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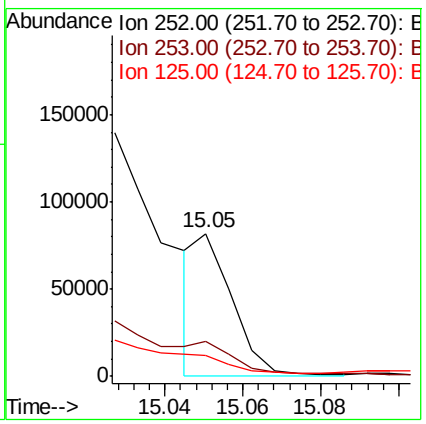
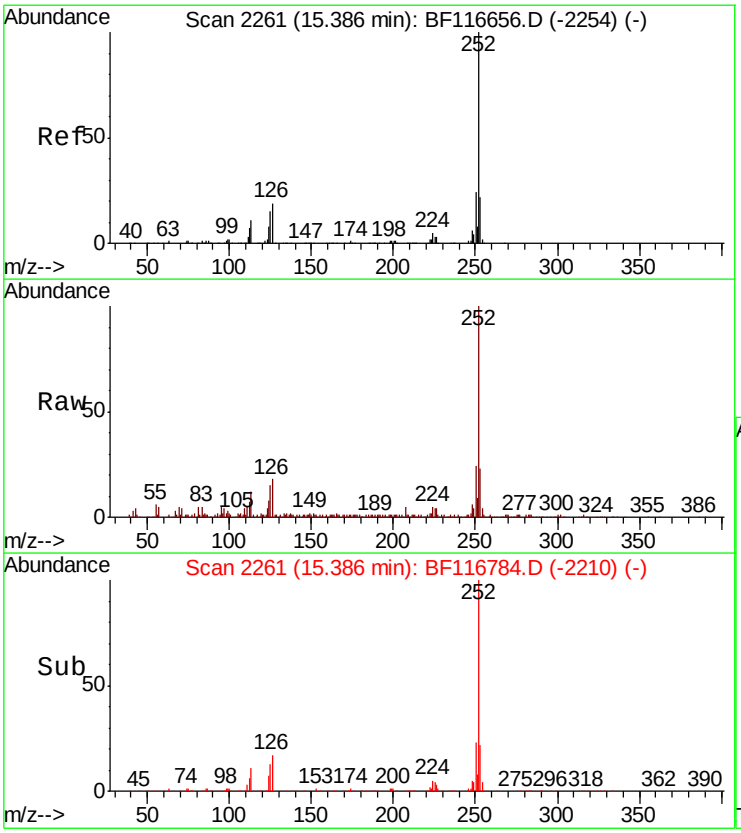
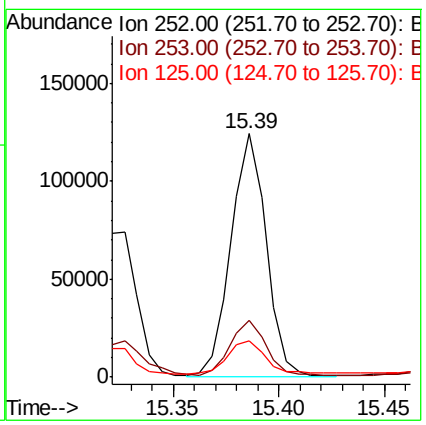


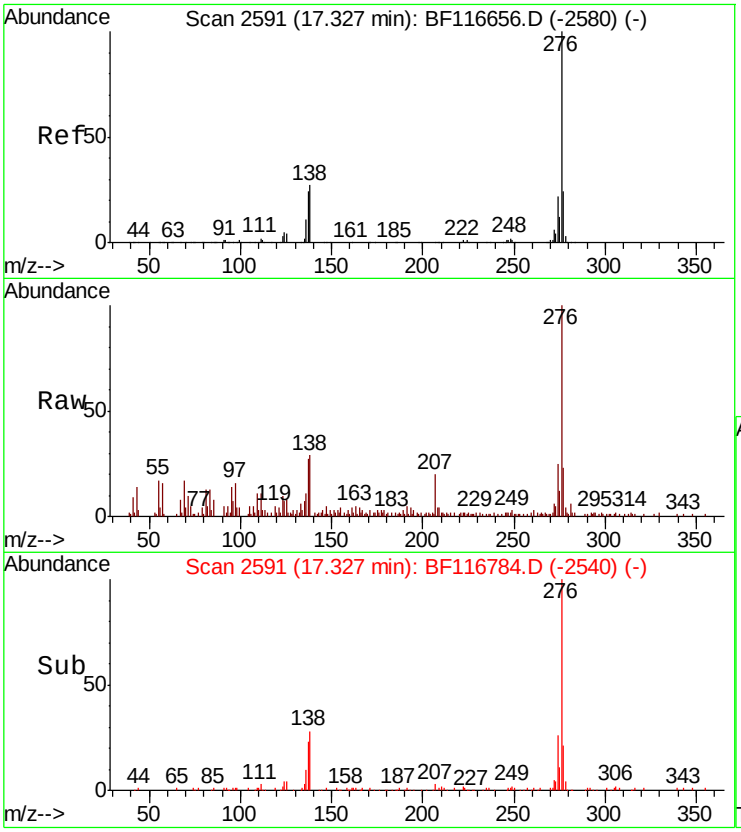


#90
Benzo(a)pyrene
Concen: 8.127 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:252 Resp: 142188

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	15.1	9.8	14.8#

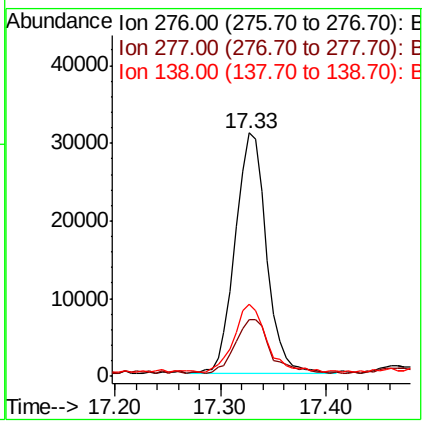




#92
Benzo(g,h,i)perylene
Concen: 4.064 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116784.D
Acq: 3 Sep 2019 20:33

Tgt Ion:276 Resp: 63464

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	29.5	16.2	24.2#



Instrument :
BNA_F
ClientSampleId :
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