Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
Data File : BF117267.D
Acq On : 30 Sep 2019 18:16
Operator : JU
Sample : K5038-03DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DN-2DL

Manual Integrations APPROVED
mohammad
10/2/2019 8:32:29 AM

Quant Time: Oct 01 02:09:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	27460	20.00	ng		-0.01
21) Naphthalene-d8	8.09	136	117400	20.00	ng		-0.01
39) Acenaphthene-d10	9.85	164	63008	20.00	ng		-0.01
64) Phenanthrene-d10	11.33	188	105486	20.00	ng		0.00
76) Chrysene-d12	13.97	240	75221	20.00	ng		0.00
87) Perylene-d12	15.43	264	79474	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	30138	17.14	ng		0.00
7) Phenol-d6	6.45	99	46899	20.63	ng		0.00
23) Nitrobenzene-d5	7.37	82	29406	13.16	ng		-0.01
42) 2,4,6-Tribromophenol	10.64	330	9993	18.98	ng		0.00
45) 2-Fluorobiphenyl	9.16	172	60020	14.89	ng		-0.01
79) Terphenyl-d14	12.91	244	61447	15.27	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.56	163	12792	2.867	ng		99
71) Phenanthrene	11.35	178	42832	7.149	ng		99
72) Anthracene	11.41	178	25231	4.125	ng		99
75) Fluoranthene	12.54	202	135406	21.995	ng		97
78) Pyrene	12.77	202	124628	19.746	ng		97
81) Benzo(a)anthracene	13.96	228	65029	12.940	ng		98
83) Chrysene	14.00	228	68630	14.002	ng		97
86) Indeno(1,2,3-cd)pyrene	16.89	276	37126	10.382	ng	#	92
88) Benzo(b)fluoranthene	15.01	252	81342m	16.897	ng		
89) Benzo(k)fluoranthene	15.03	252	30703m	6.733	ng		
90) Benzo(a)pyrene	15.37	252	57329	13.571	ng		96
91) Dibenzo(a,h)anthracene	16.88	278	10186m	3.027	ng		
92) Benzo(g,h,i)perylene	17.32	276	31943	9.525	ng		97

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

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ClientSampleId :
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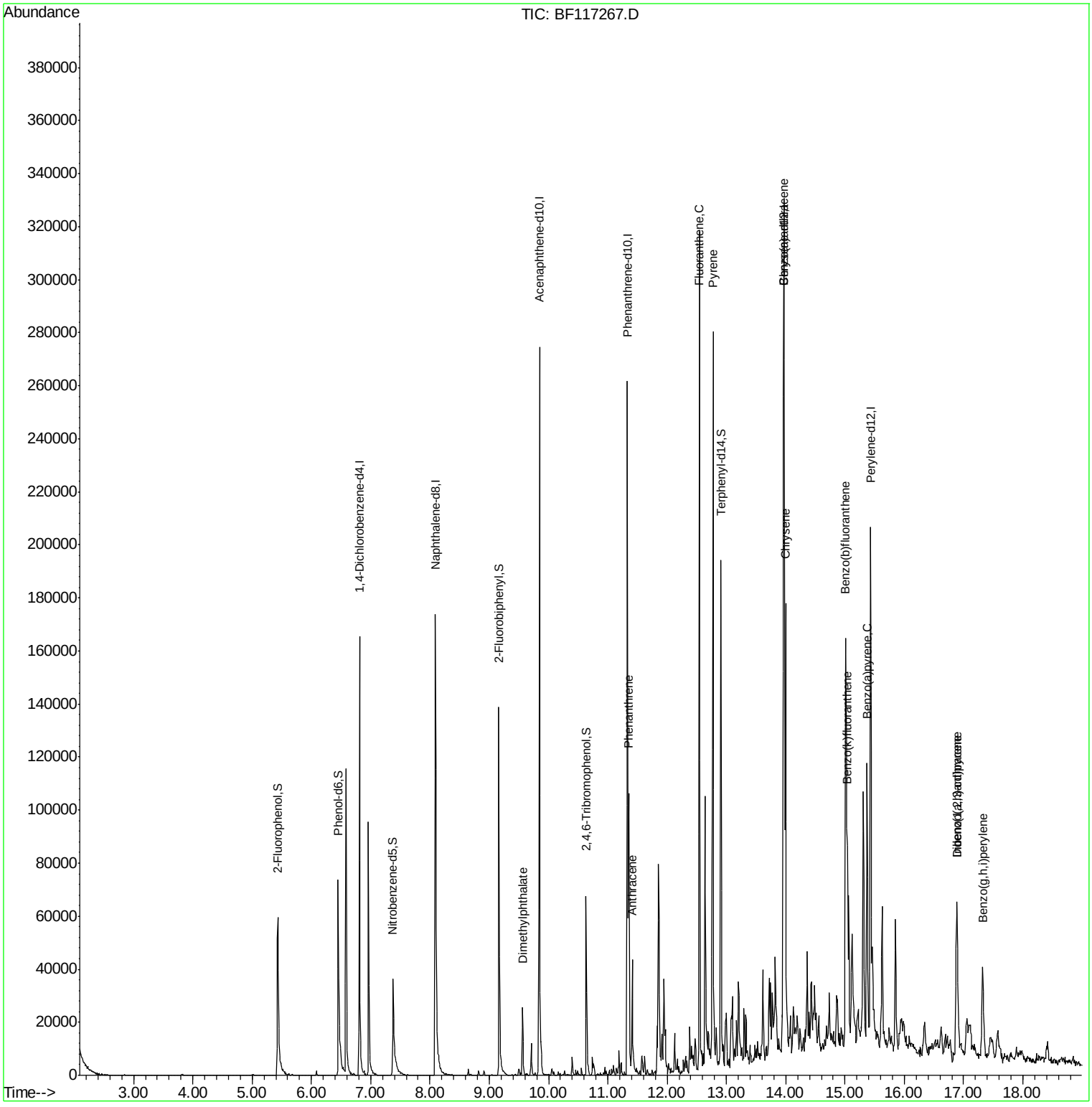
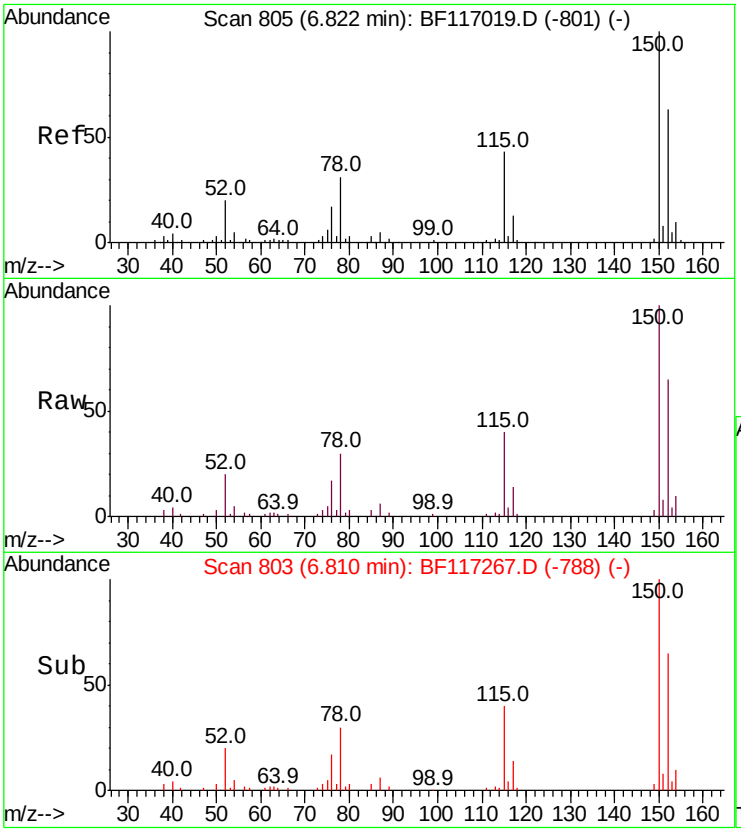
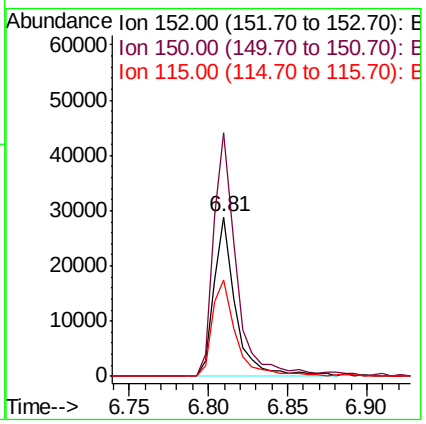




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:152 Resp: 27460

Ion	Ratio	Lower	Upper
152	100		
150	152.9	127.5	191.3
115	60.8	55.0	82.4



Instrument :
BNA_F
ClientSampleId :
DN-2DL

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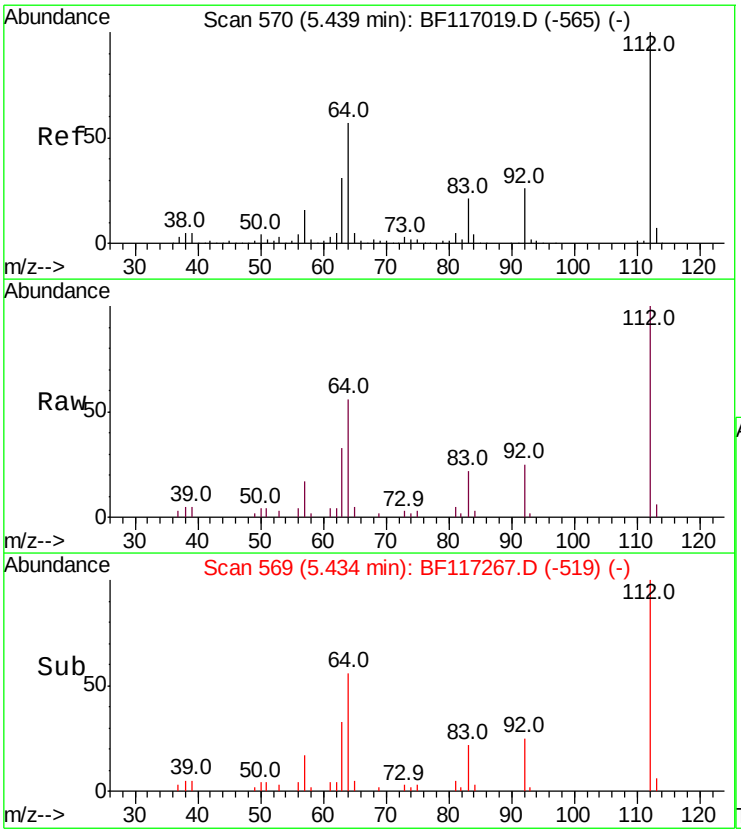
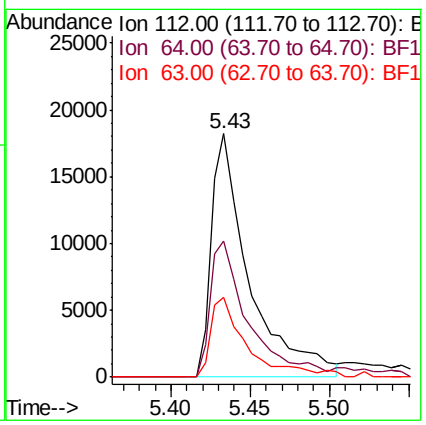
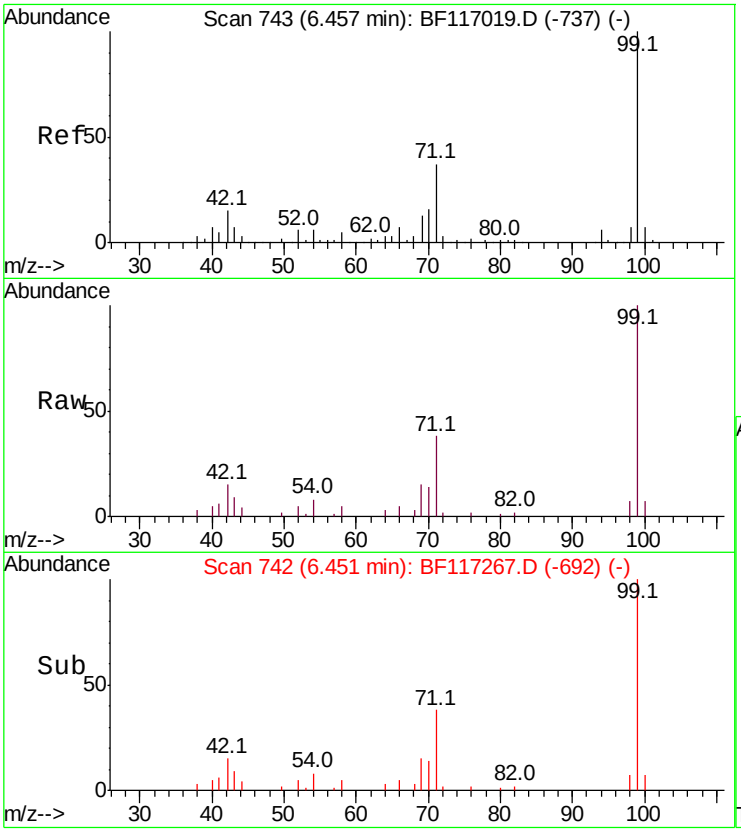


#5
2-Fluorophenol
Concen: 17.135 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:112 Resp: 30138

Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	33.0	24.9	37.3

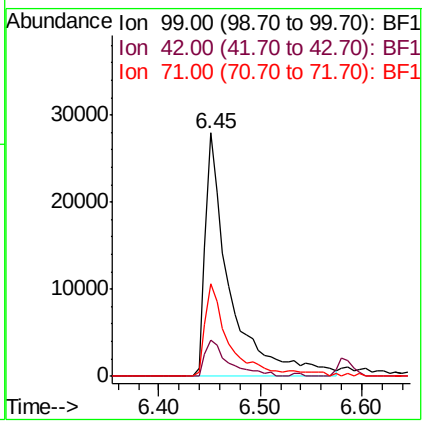




#7
Phenol-d6
Concen: 20.632 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion: 99 Resp: 46899

Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.2	18.2
71	38.1	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
DN-2DL

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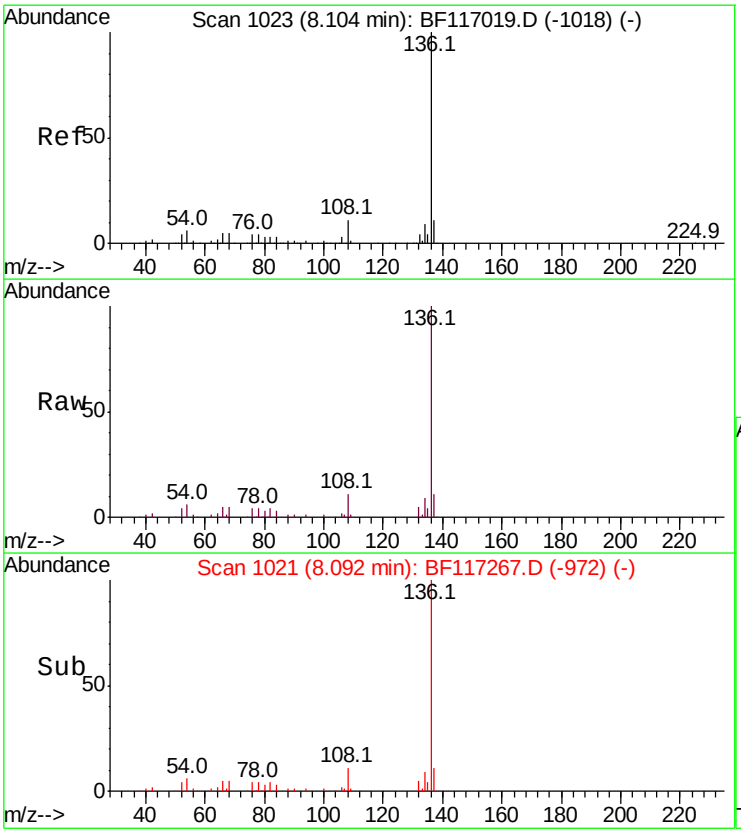
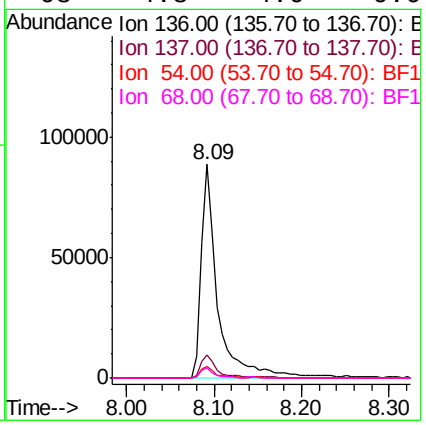
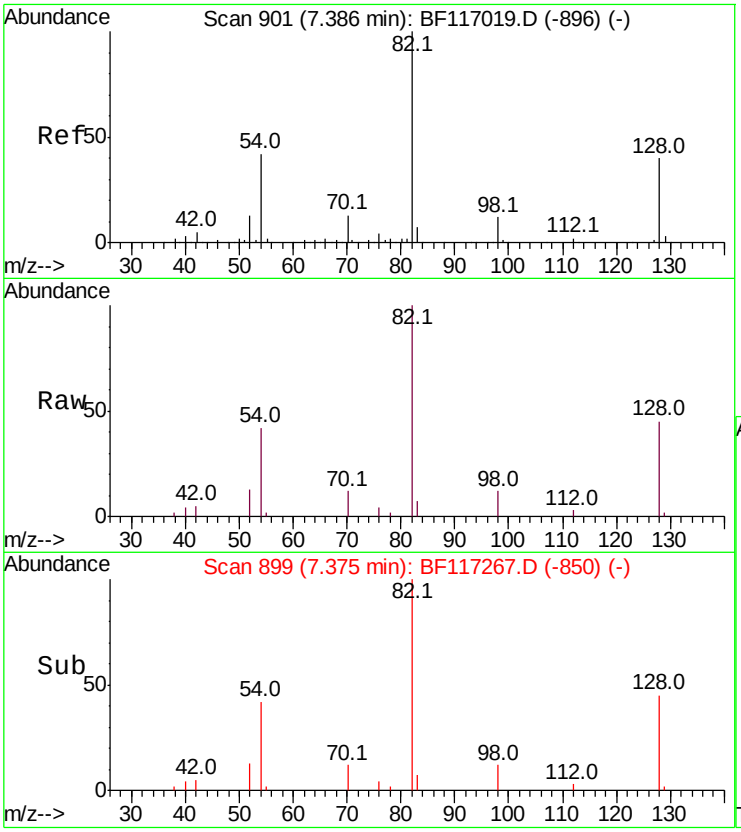


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:136 Resp: 117400

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	5.6	4.5	6.7
68	4.8	4.0	6.0

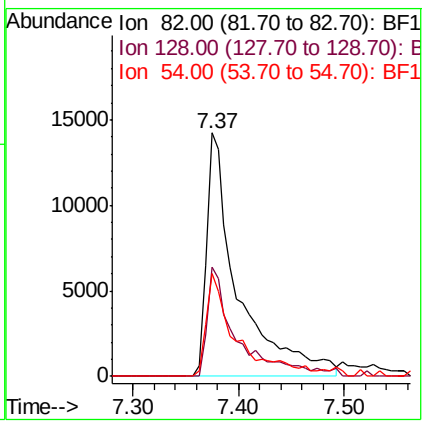




#23
Nitrobenzene-d5
Concen: 13.161 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion: 82 Resp: 29406

Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.3	48.5
54	42.2	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
DN-2DL

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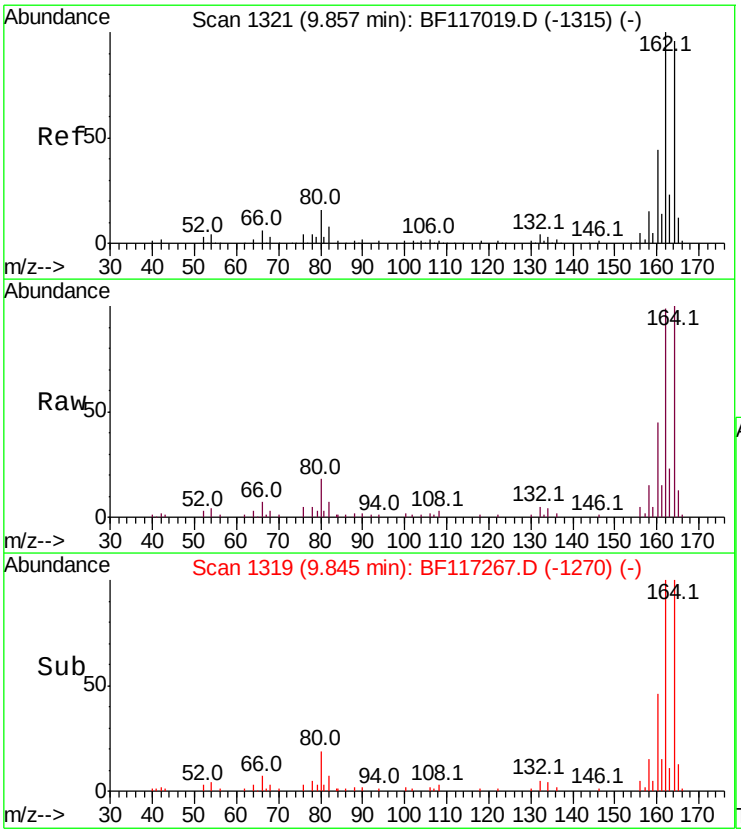
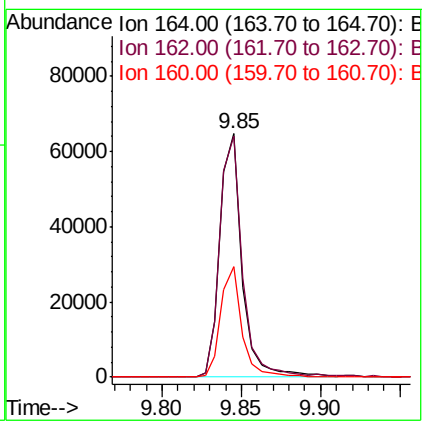
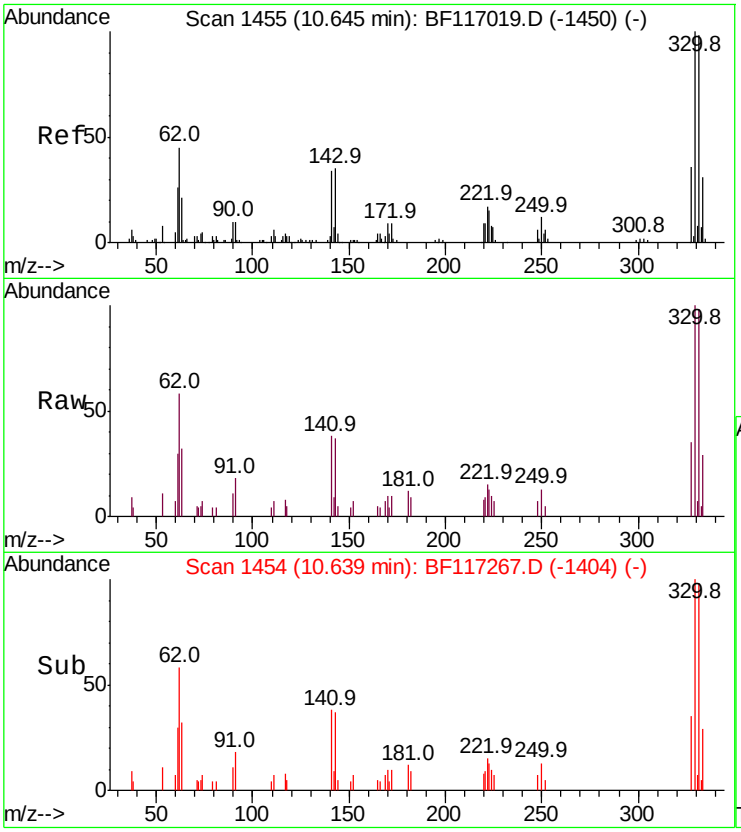


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:164 Resp: 63008

Ion	Ratio	Lower	Upper
164	100		
162	99.1	83.4	125.2
160	45.2	36.4	54.6

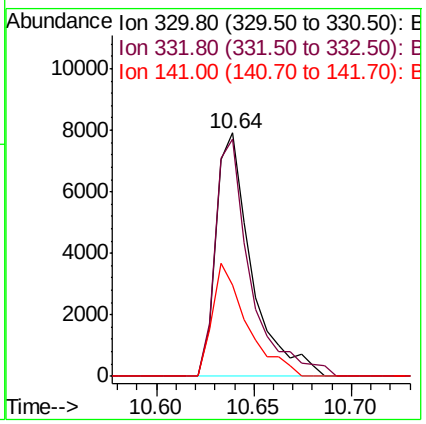




#42
2,4,6-Tribromophenol
Concen: 18.976 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:330 Resp: 9993

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	45.2	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
DN-2DL

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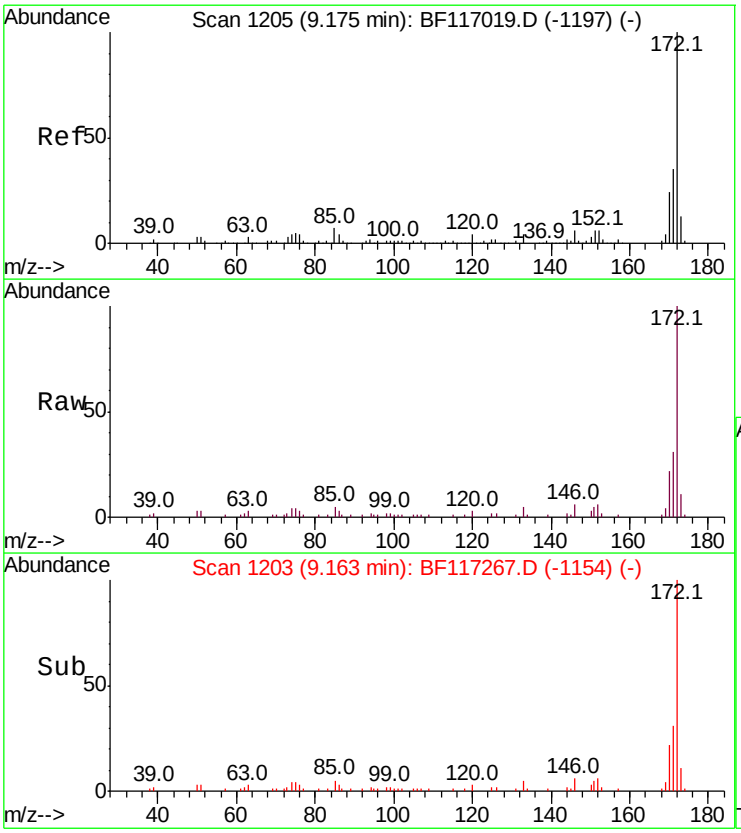
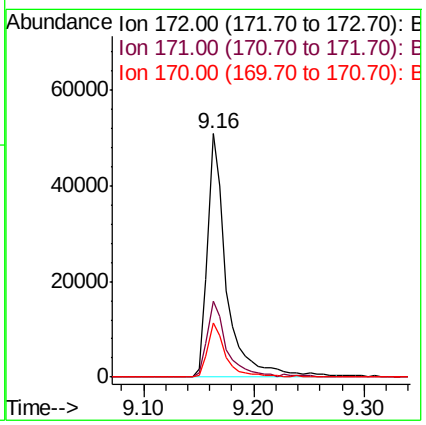
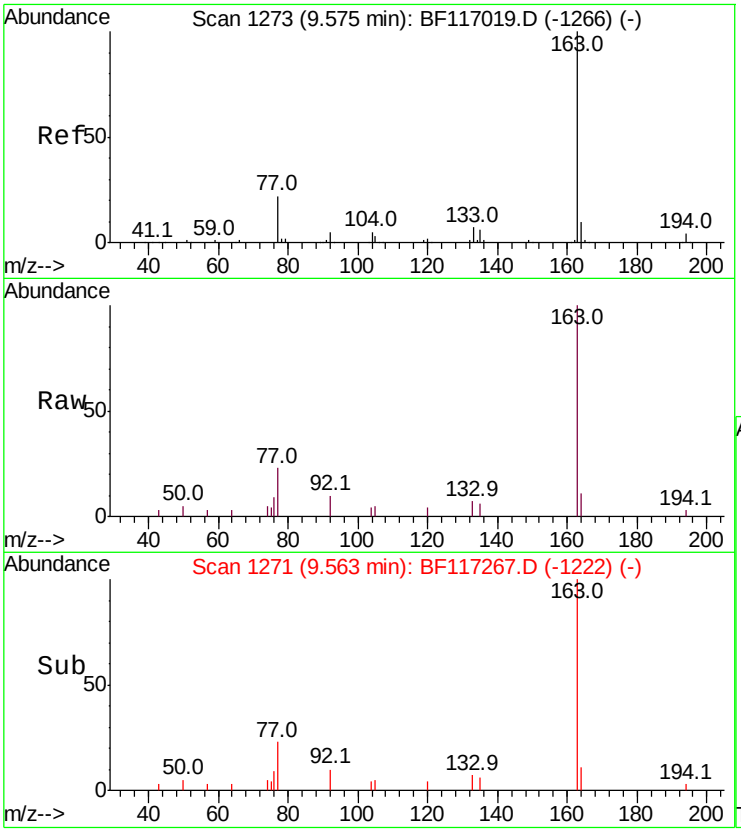


#45
2-Fluorobiphenyl
Concen: 14.894 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:172 Resp: 60020

Ion	Ratio	Lower	Upper
172	100		
171	31.0	28.2	42.2
170	22.4	18.9	28.3

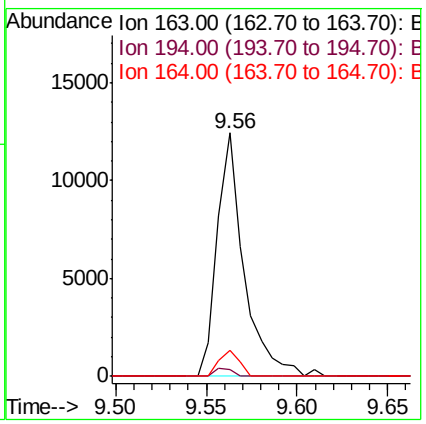




#50
Dimethylphthalate
Concen: 2.867 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:163 Resp: 12792

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.9	4.3
164	10.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
DN-2DL

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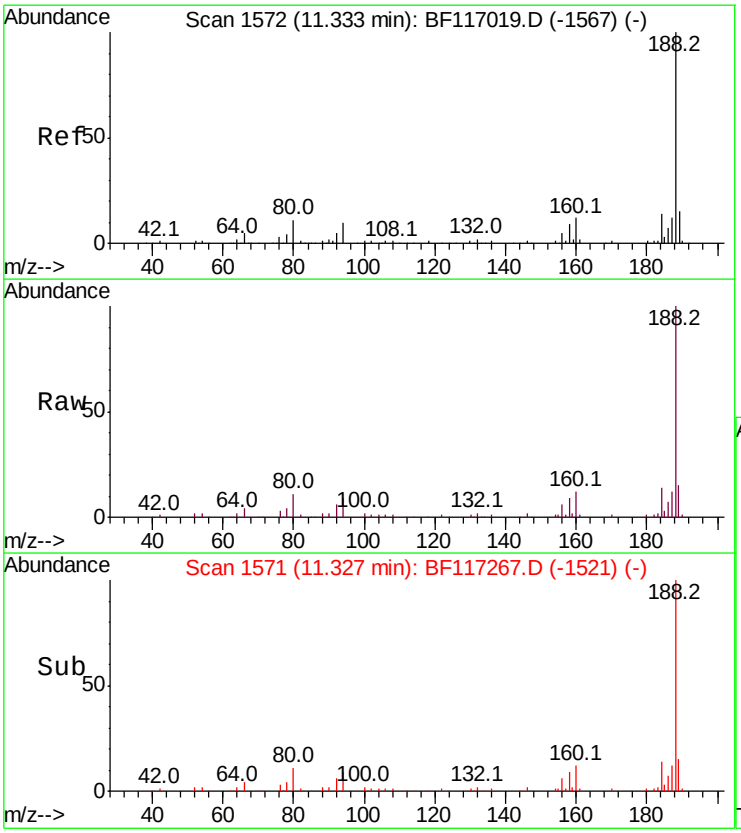
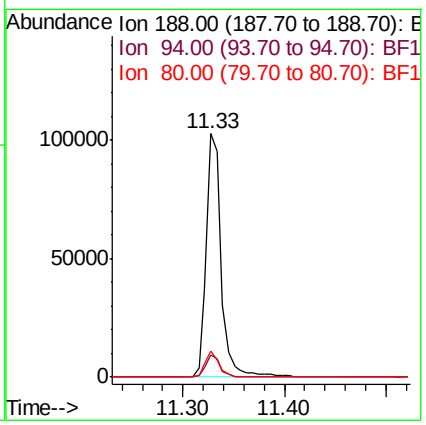
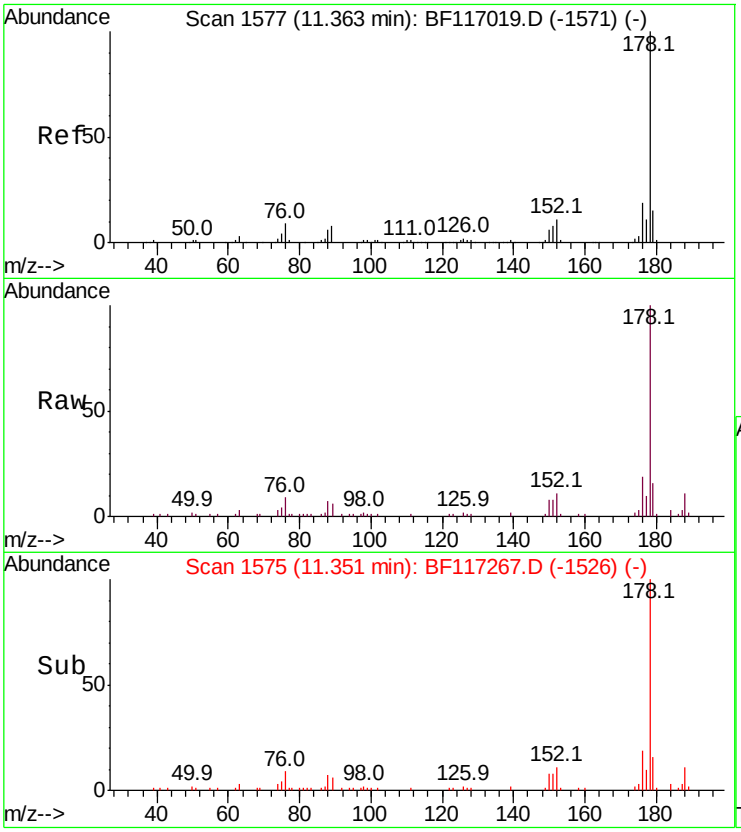


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:188 Resp: 105486

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	10.8	9.0	13.6

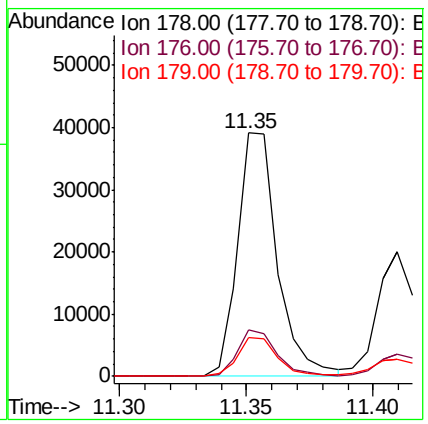




#71
Phenanthrene
Concen: 7.149 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:178 Resp: 42832

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.0	12.4	18.6



Instrument :
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ClientSampleId :
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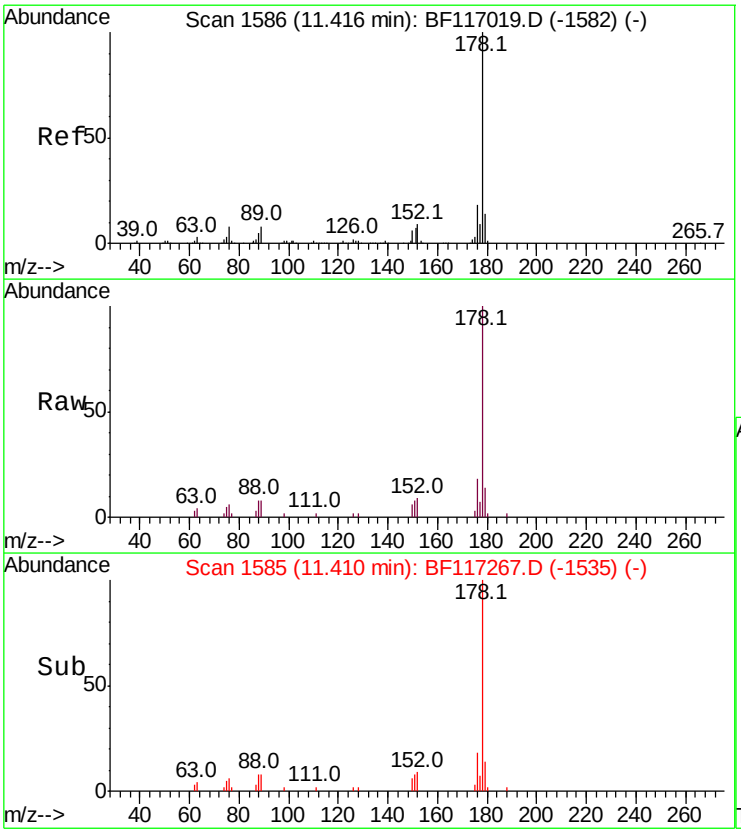
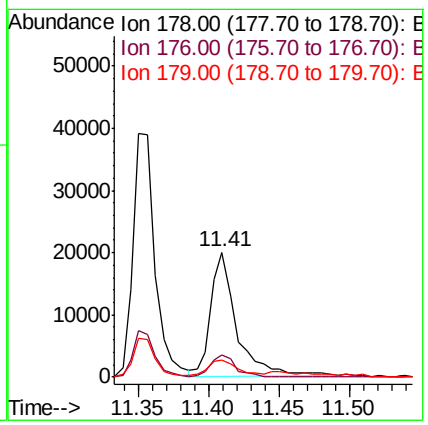
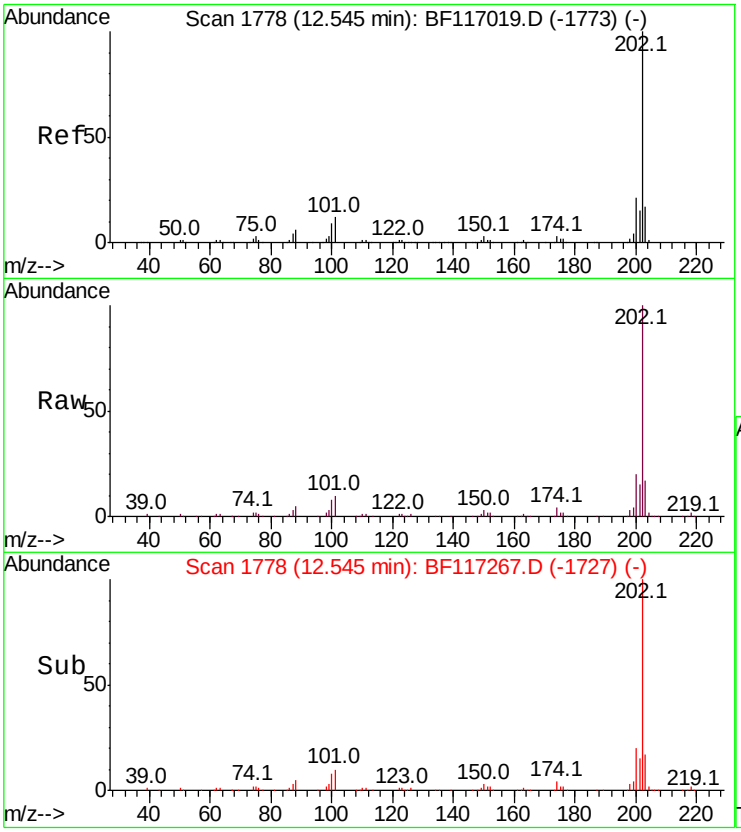


#72
Anthracene
Concen: 4.125 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:178 Resp: 25231

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	14.1	11.6	17.4

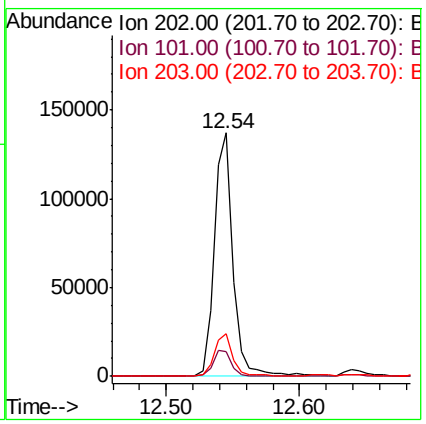




#75
Fluoranthene
Concen: 21.995 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:202 Resp: 135406

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	32.3
203	17.3	0.0	37.1



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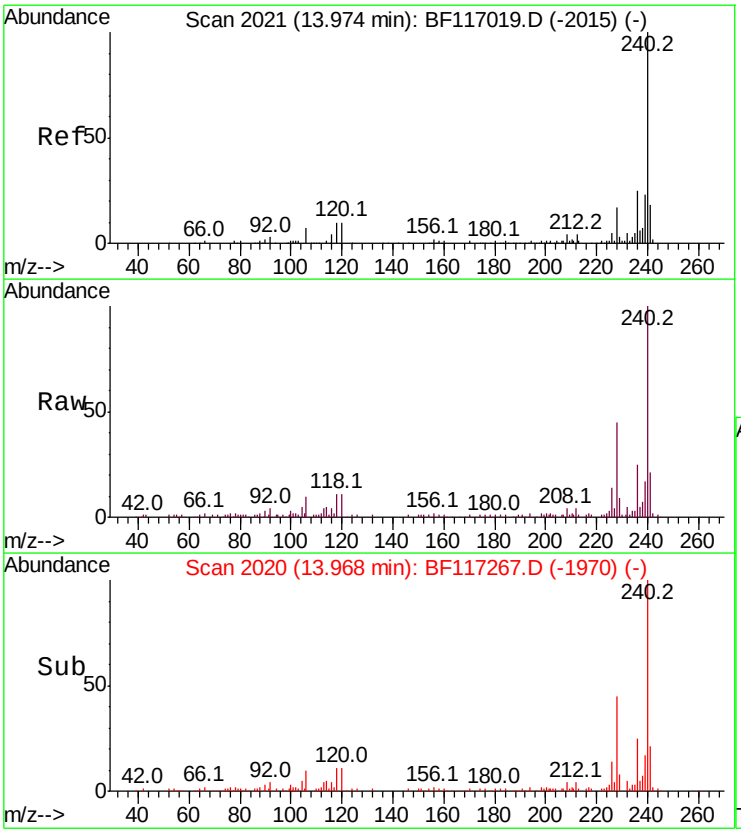
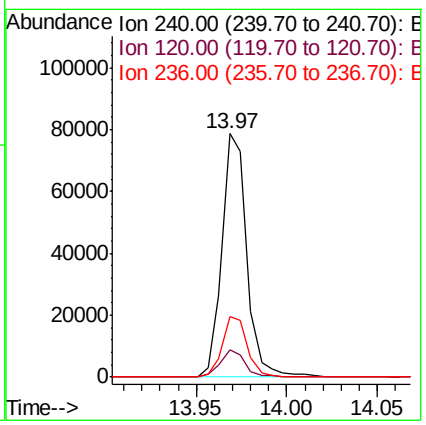
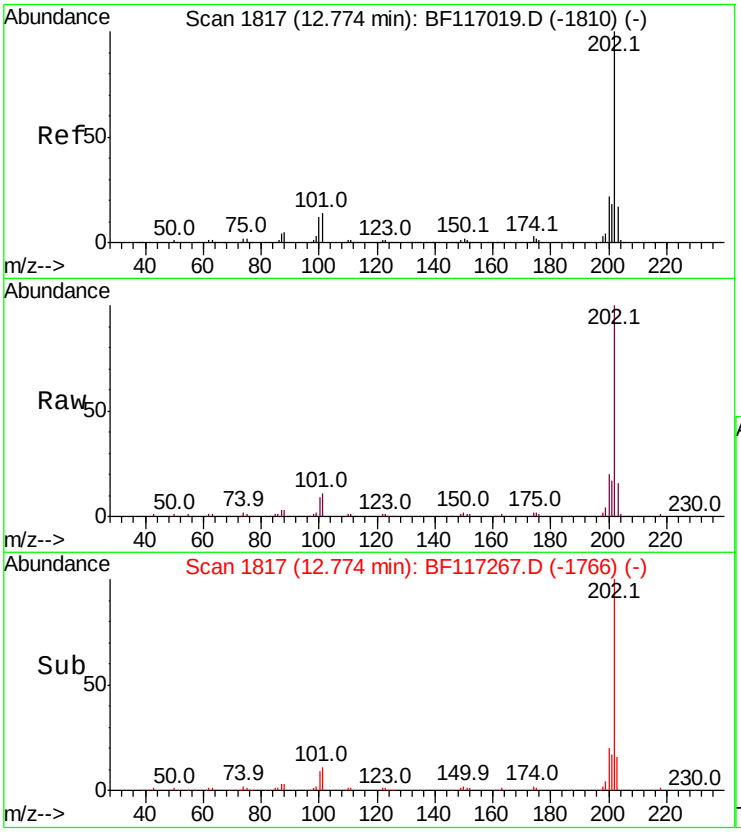


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:240 Resp: 75221

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.3	12.5
236	24.8	20.3	30.5

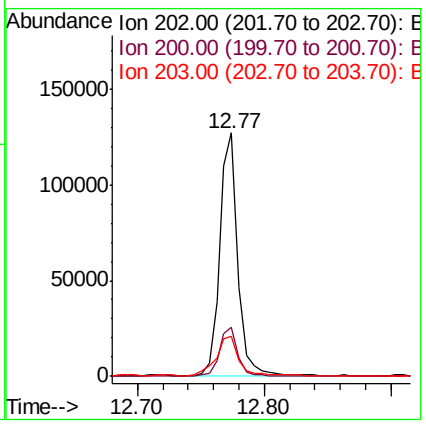




#78
Pyrene
Concen: 19.746 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:202 Resp: 124628

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.2	25.8
203	16.5	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
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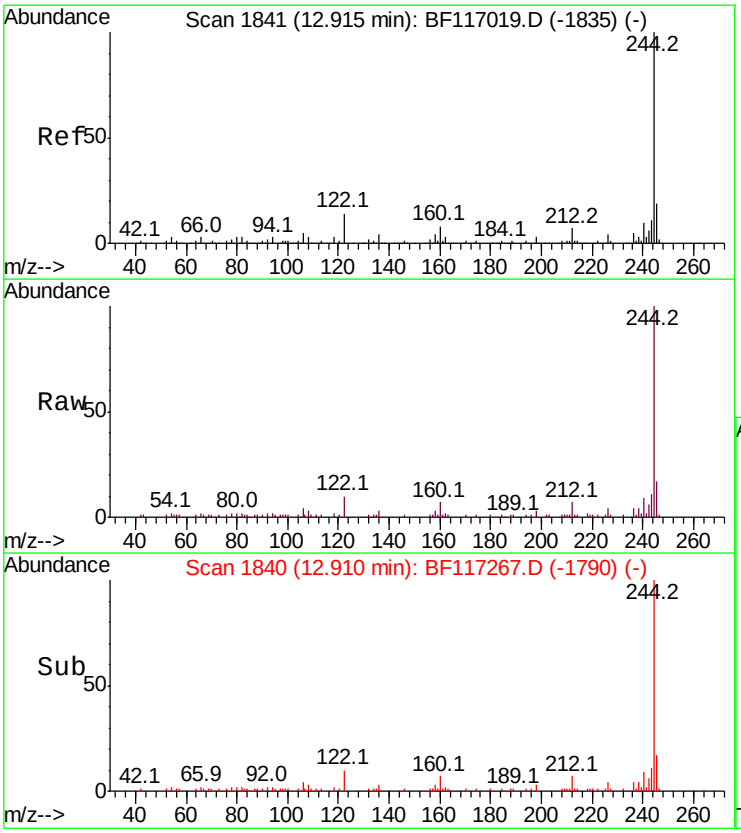
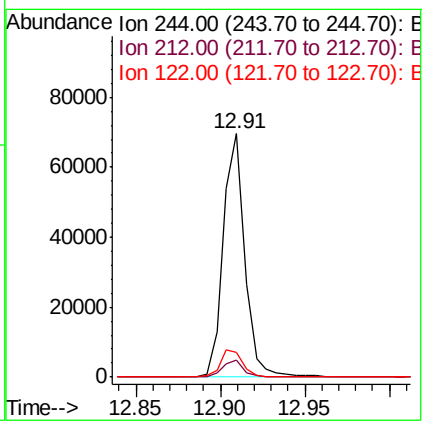
10/2/2019 8:32:29 AM

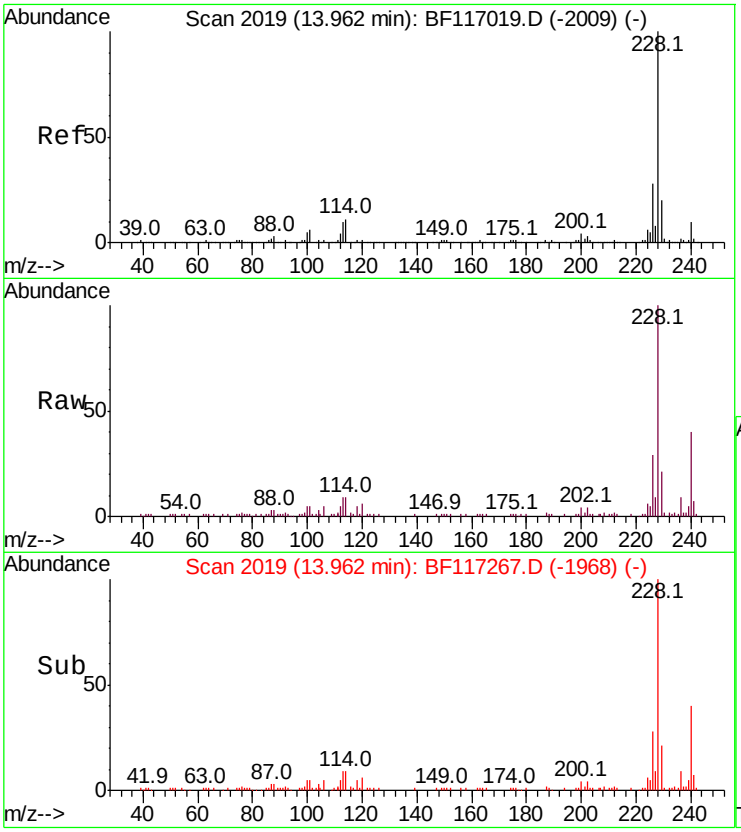


#79
Terphenyl-d14
Concen: 15.269 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:244 Resp: 61447

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.3	11.3	16.9#

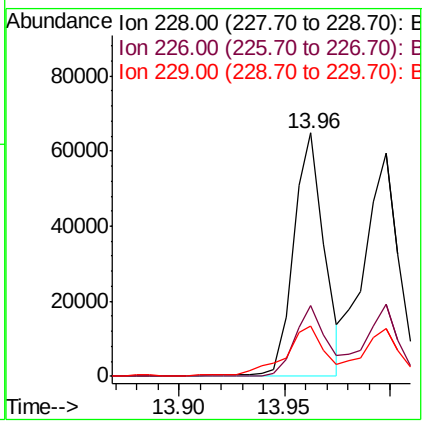




#81
Benzo(a)anthracene
Concen: 12.940 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:228 Resp: 65029

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	20.7	15.9	23.9



Instrument :
BNA_F
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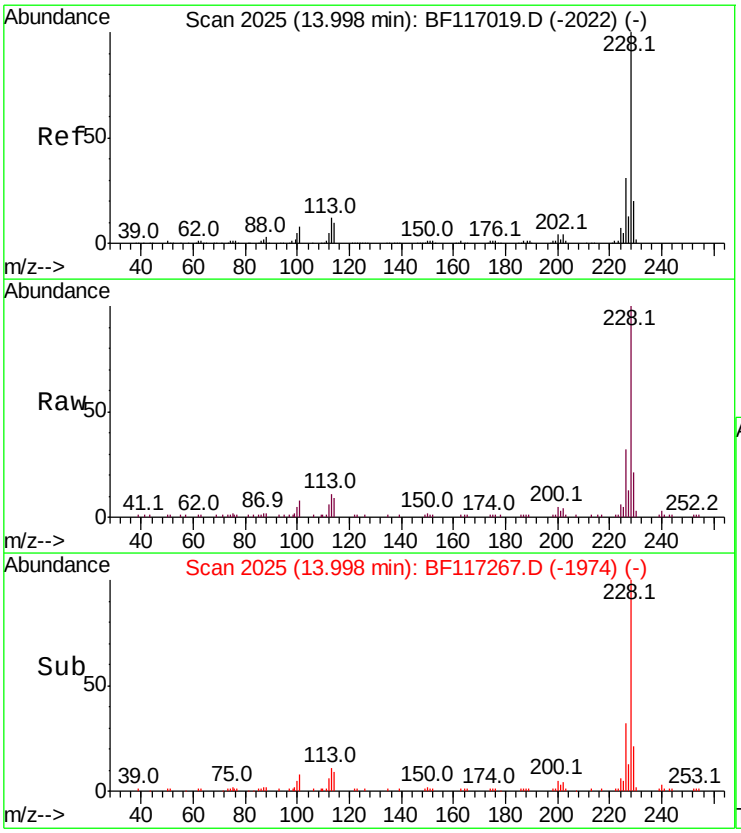
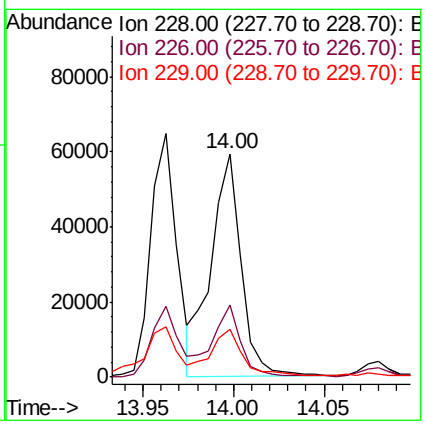
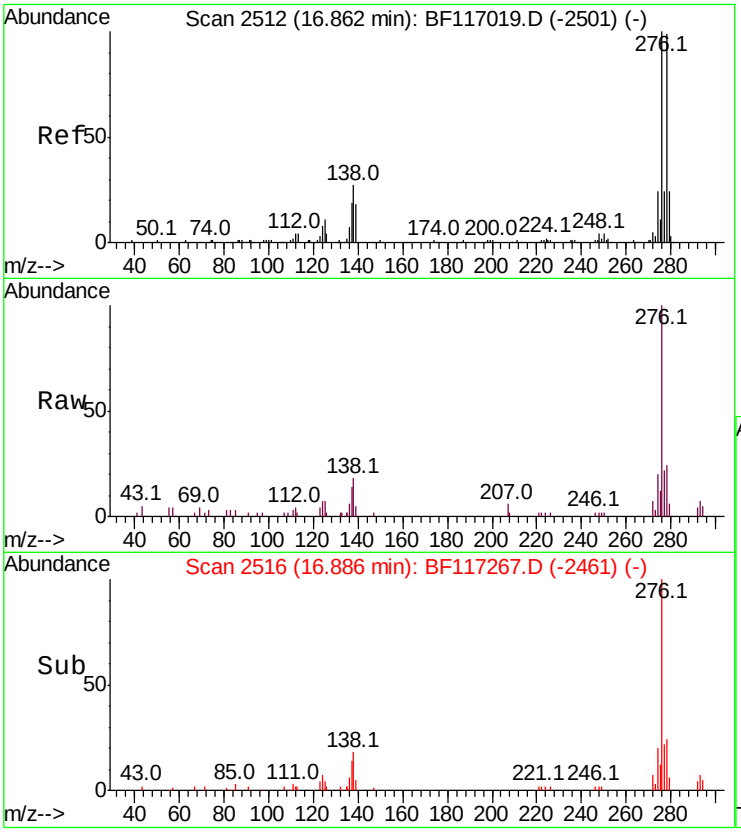


#83
Chrysene
Concen: 14.002 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:228 Resp: 68630

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.8	37.2
229	21.4	15.8	23.8

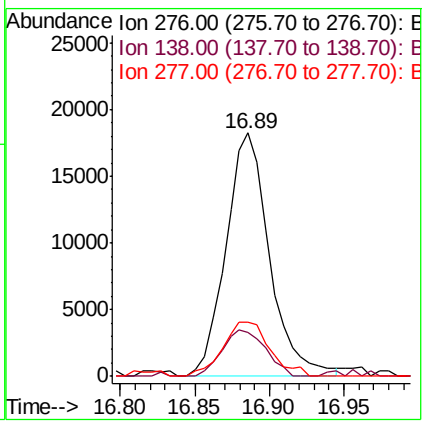




#86
Indeno(1,2,3-cd)pyrene
Concen: 10.382 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:276 Resp: 37126

Ion	Ratio	Lower	Upper
276	100		
138	19.0	20.7	31.1#
277	24.1	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
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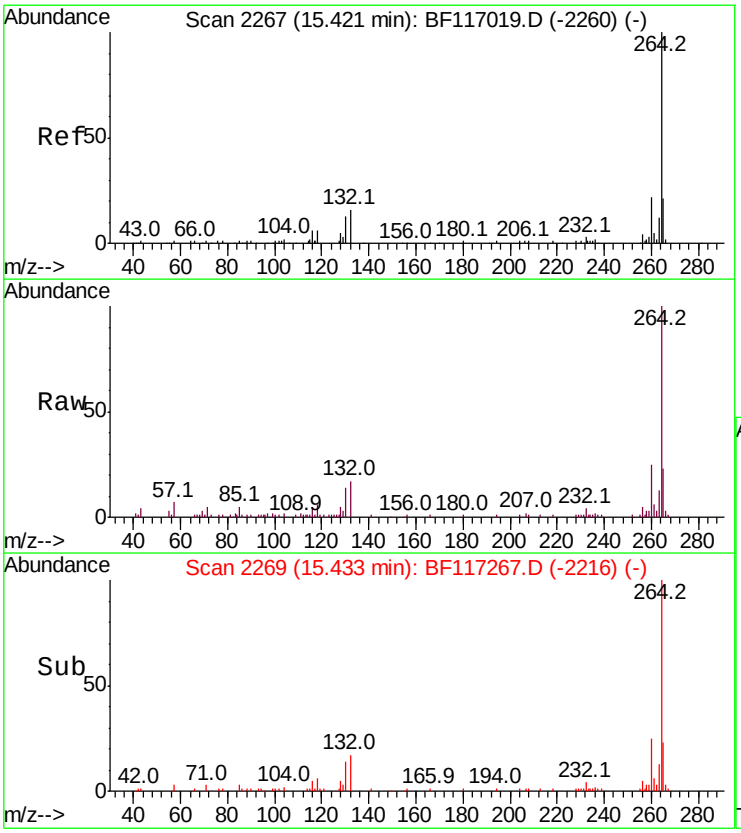
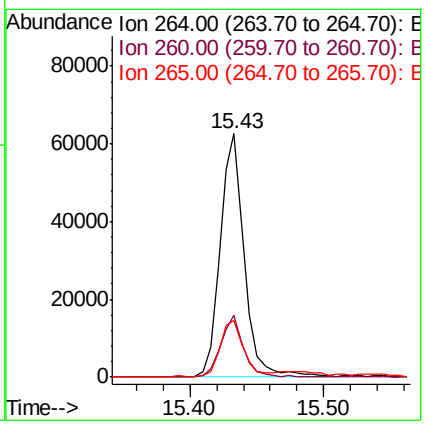
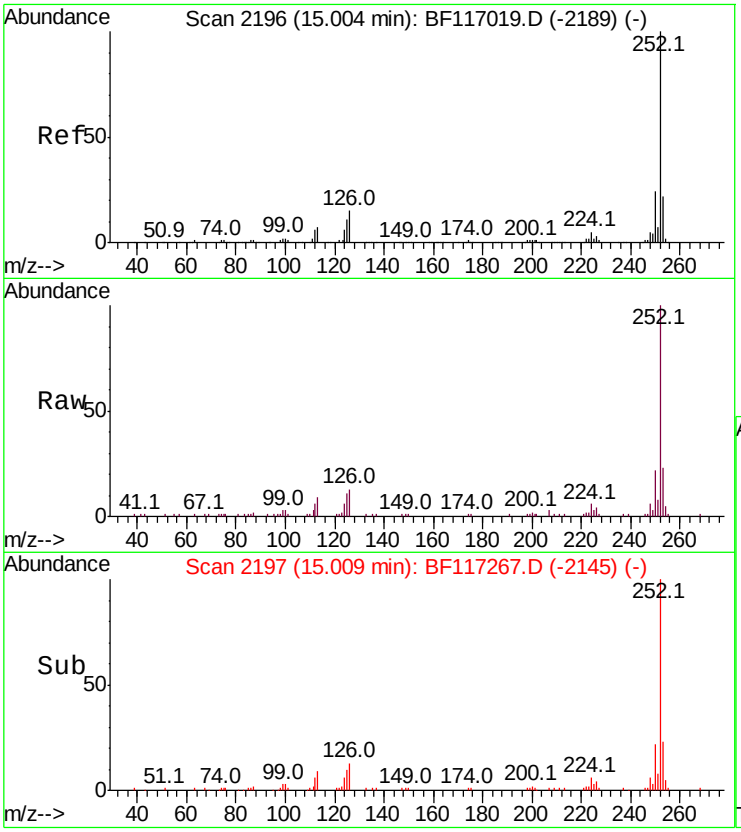


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:264 Resp: 79474

Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.6	26.4
265	23.4	16.6	24.8

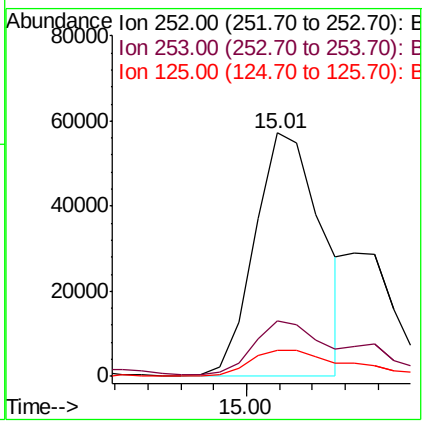




#88
Benzo(b)fluoranthene
Concen: 16.897 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:252 Resp: 81342

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	10.9	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
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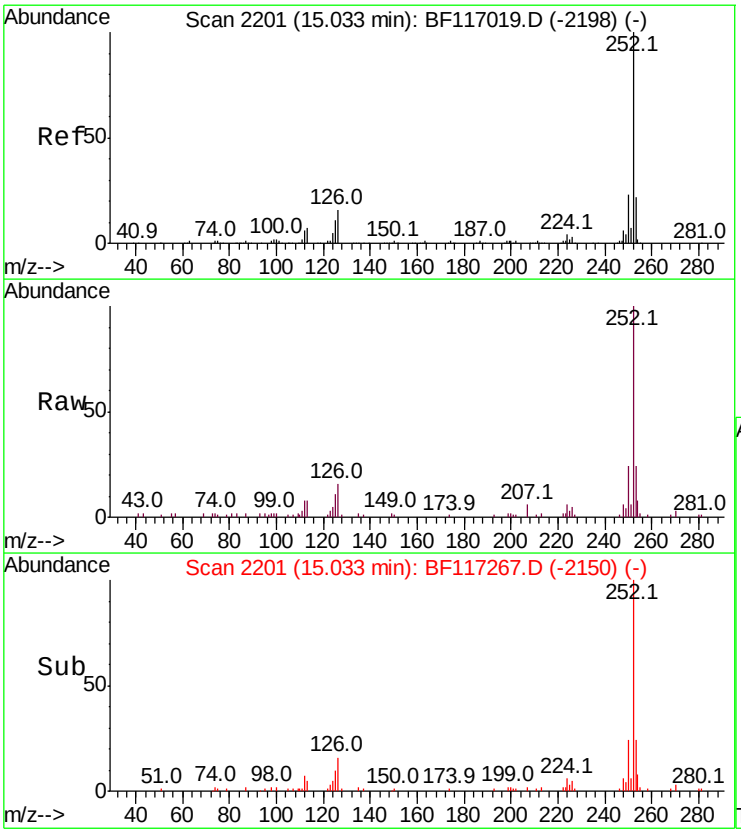
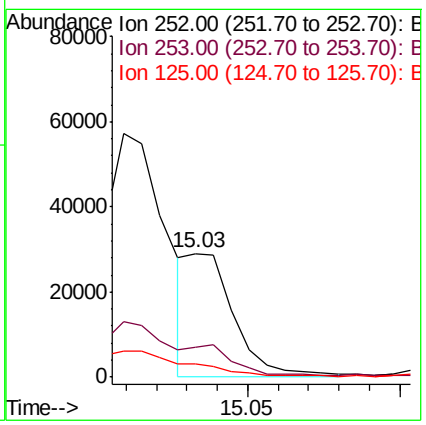
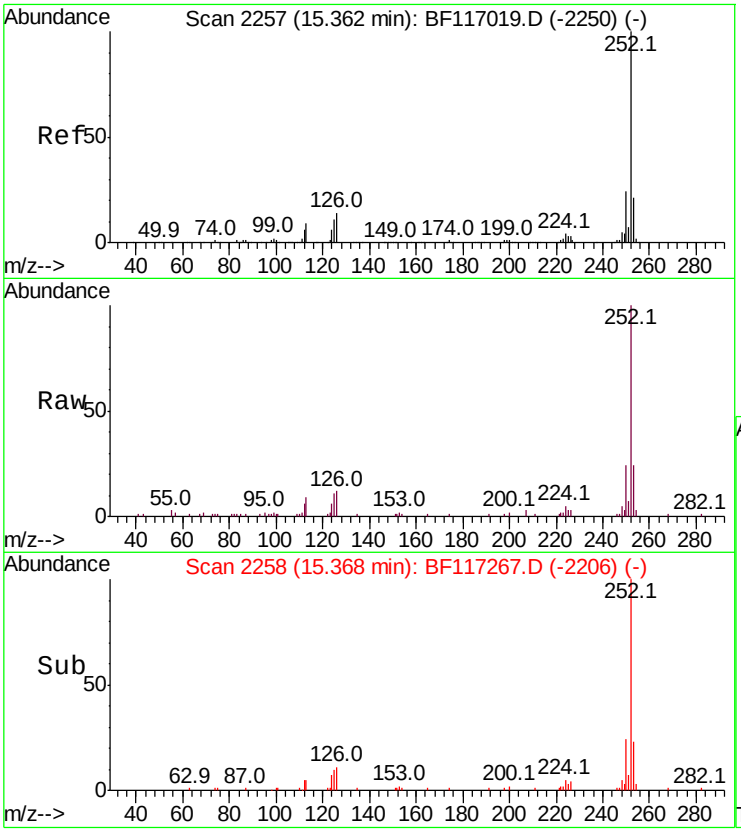


#89
Benzo(k)fluoranthene
Concen: 6.733 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:252 Resp: 30703

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	11.0	8.8	13.2

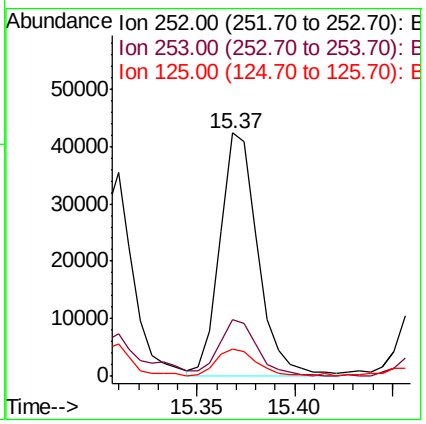




#90
Benzo(a)pyrene
Concen: 13.571 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:252 Resp: 57329

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.6	25.0
125	11.0	8.9	13.3



Instrument :
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ClientSampleId :
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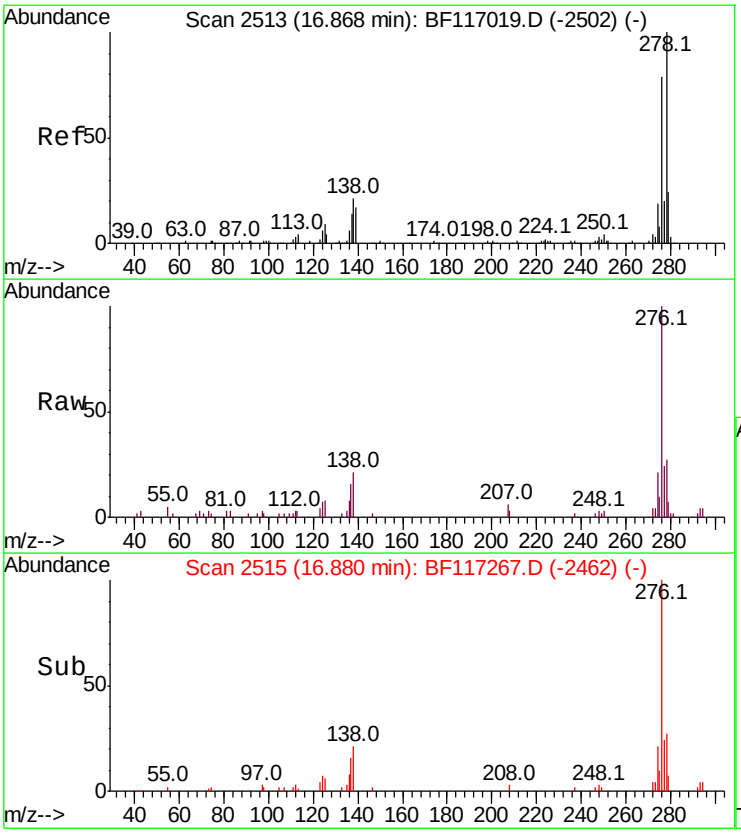
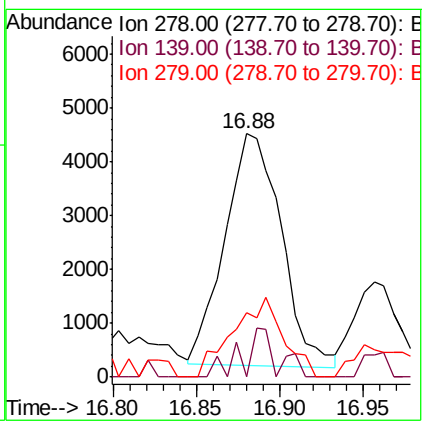
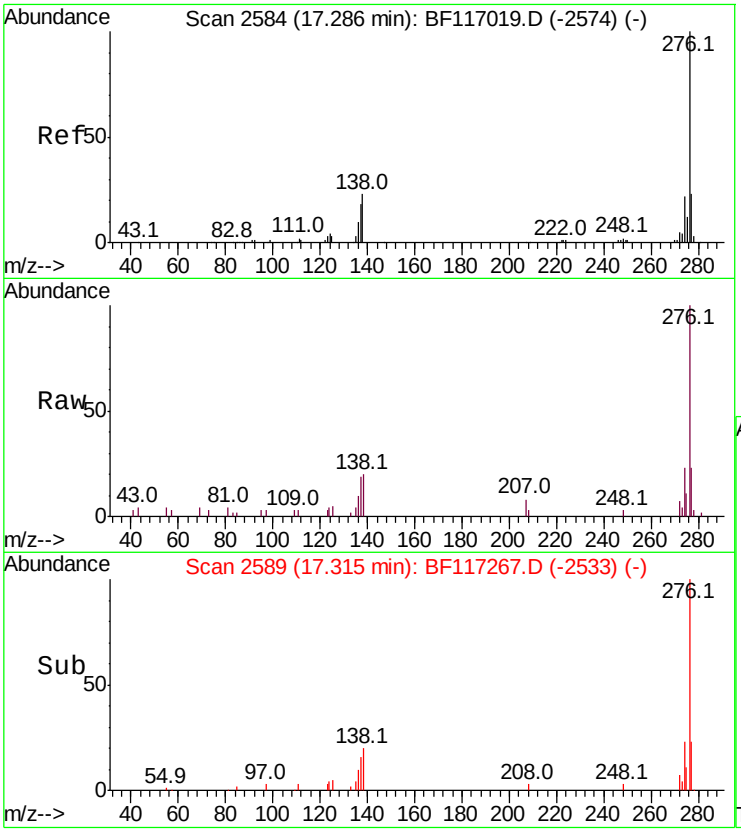


#91
Dibenzo(a,h)anthracene
Concen: 3.027 ng m
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:278 Resp: 10186

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	26.6	18.8	28.2

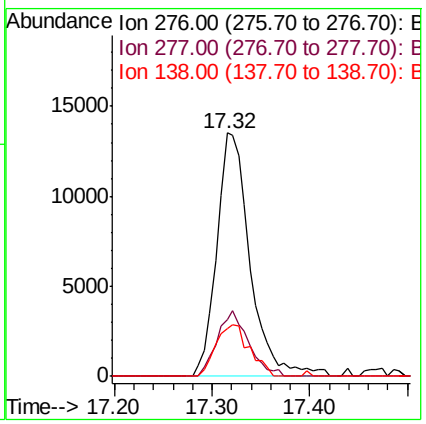




#92
Benzo(g,h,i)perylene
Concen: 9.525 ng
RT: 17.32 min Scan# 2589
Delta R.T. 0.03 min
Lab File: BF117267.D
Acq: 30 Sep 2019 18:16

Tgt Ion:276 Resp: 31943

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	27.8
138	19.7	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
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