Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116499.D
Acq On : 24 Aug 2019 1:21
Operator : HP/JU
Sample : K4387-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

Manual Integrations APPROVED
Jagrut
8/28/2019 8:09:19 AM

Quant Time: Aug 24 04:54:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	99954	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	357949	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	151630	20.00	ng		0.00
64) Phenanthrene-d10	11.40	188	232420	20.00	ng		0.00
76) Chrysene-d12	14.04	240	179412	20.00	ng		0.01
87) Perylene-d12	15.56	264	173577	20.00	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	372118	54.40	ng		0.00
7) Phenol-d6	6.50	99	483859	57.69	ng		0.00
23) Nitrobenzene-d5	7.44	82	270035	41.27	ng		0.00
42) 2,4,6-Tribromophenol	10.70	330	79332	60.93	ng		0.00
45) 2-Fluorobiphenyl	9.23	172	432074	45.89	ng		0.00
79) Terphenyl-d14	12.99	244	352994	36.75	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.63	163	23731	2.243	ng	#	99
71) Phenanthrene	11.42	178	130534	10.310	ng		100
72) Anthracene	11.47	178	33358	2.622	ng		95
75) Fluoranthene	12.61	202	285553	21.815	ng		96
78) Pyrene	12.84	202	251926	17.559	ng		98
81) Benzo(a)anthracene	14.03	228	158573	13.647	ng	#	93
83) Chrysene	14.07	228	145951	12.392	ng	#	93
86) Indeno(1,2,3-cd)pyrene	17.04	276	69470	6.886	ng		97
88) Benzo(b)fluoranthene	15.11	252	183040m	17.070	ng		
89) Benzo(k)fluoranthene	15.13	252	53736m	5.532	ng		
90) Benzo(a)pyrene	15.49	252	102830	10.851	ng	#	50
91) Dibenzo(a,h)anthracene	17.04	278	20717	2.660	ng	#	40
92) Benzo(g,h,i)perylene	17.48	276	65643	8.842	ng	#	84

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

Quantitation Report (LSC Reviewed)

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BNA_F
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T4-A1-A4-(0-2)

Manual Integrations APPROVED
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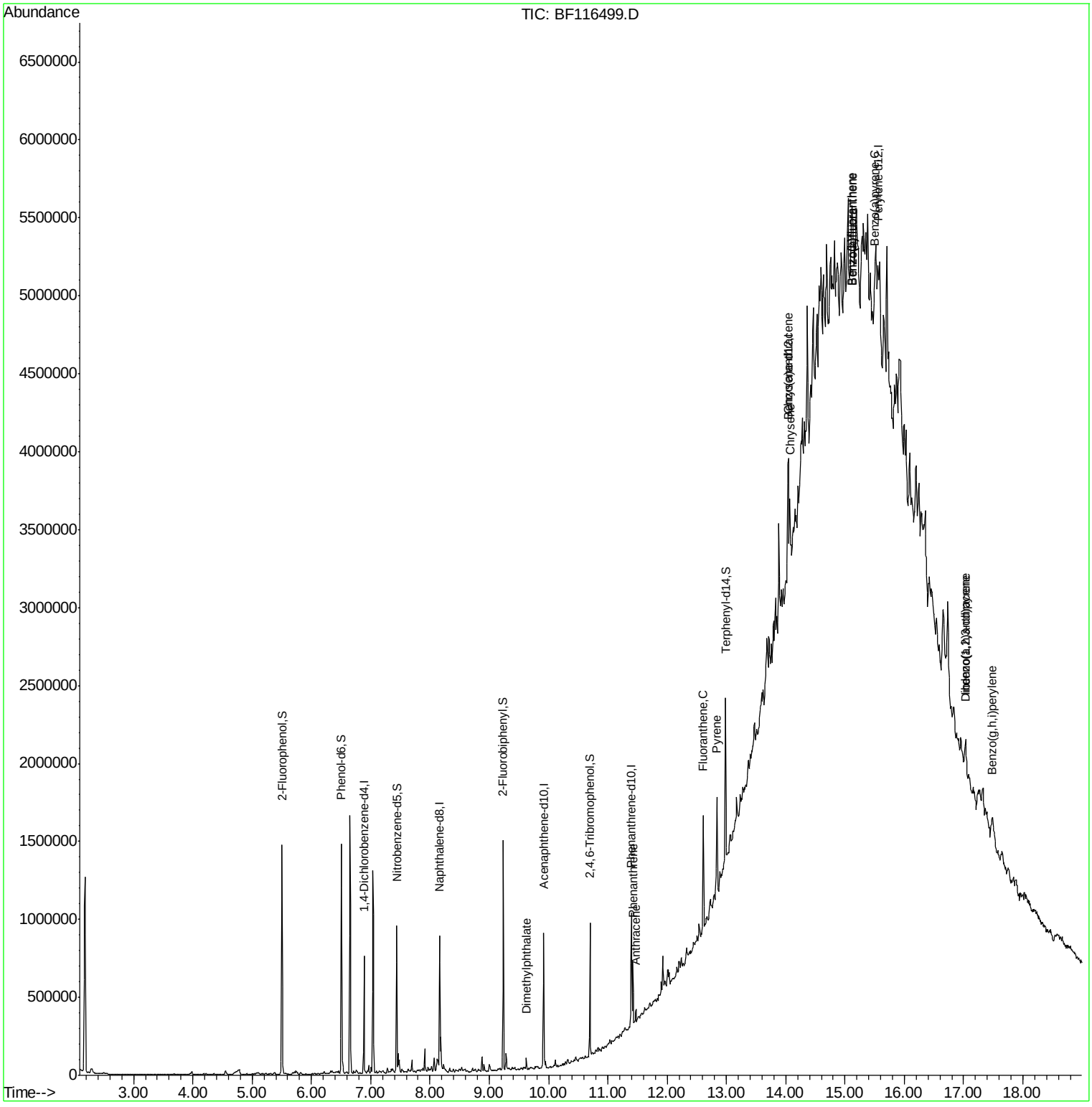
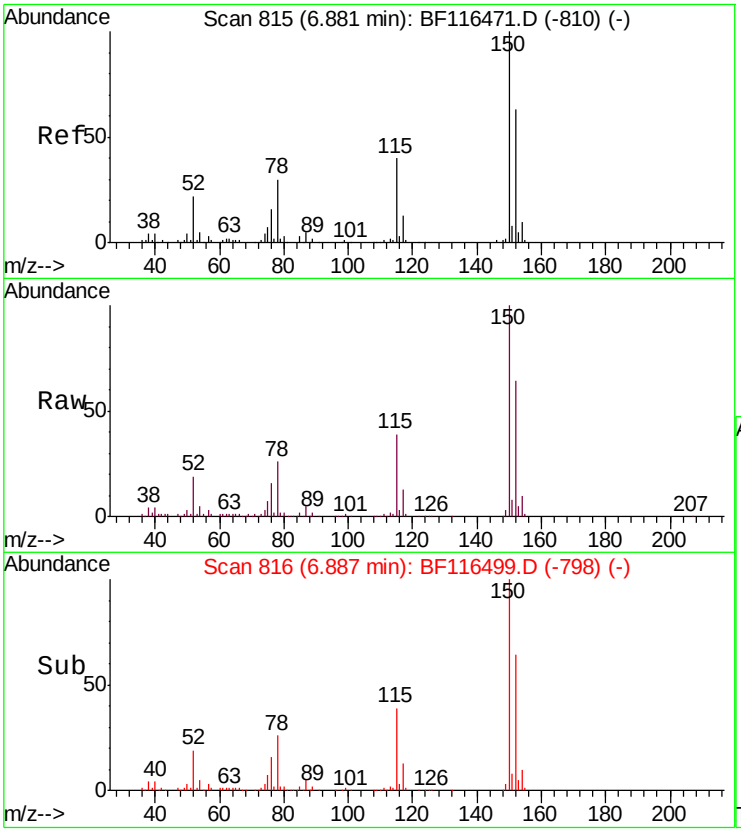
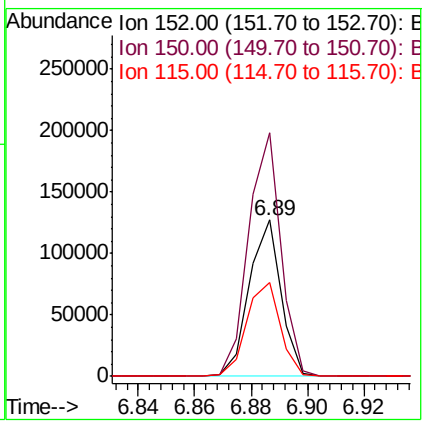




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:152 Resp: 99954

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.7	190.1
115	60.4	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

Manual Integrations APPROVED
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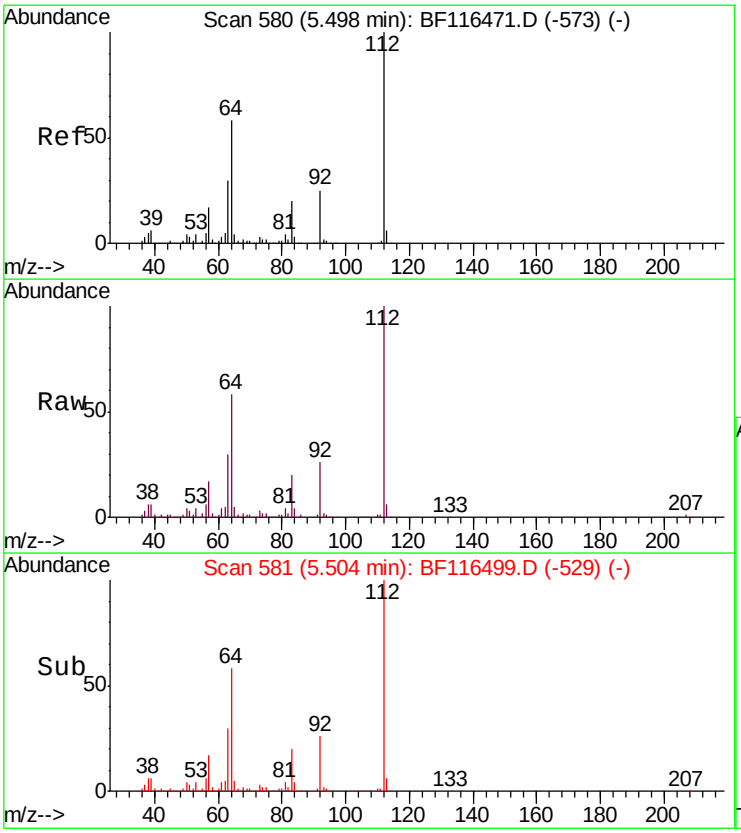
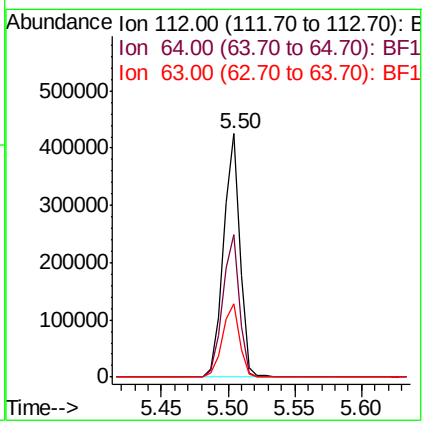
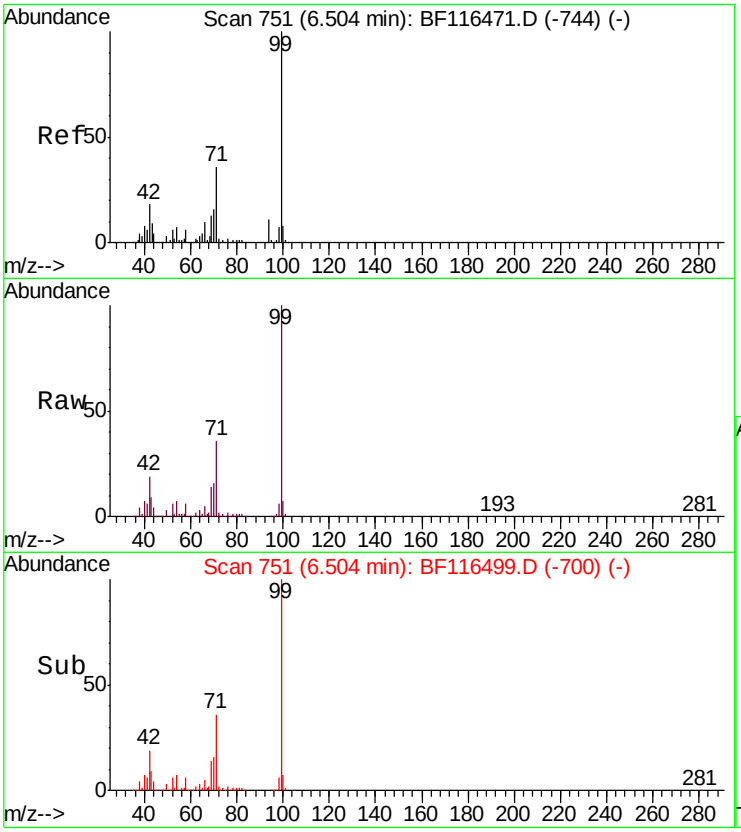


#5
2-Fluorophenol
Concen: 54.397 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:112 Resp: 372118

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.3	69.5
63	30.3	24.2	36.4

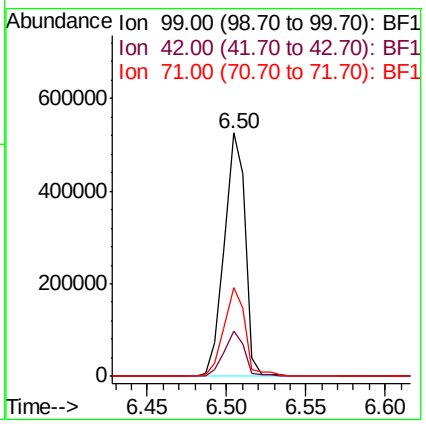




#7
Phenol-d6
Concen: 57.686 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion: 99 Resp: 483859

Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.6	21.8
71	36.3	28.5	42.7



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

Manual Integrations APPROVED
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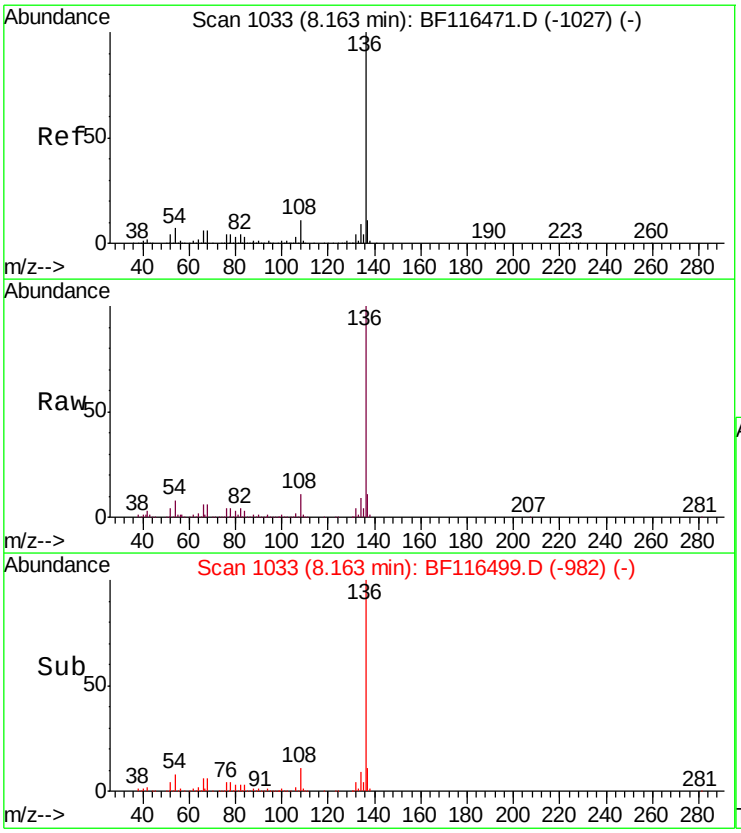
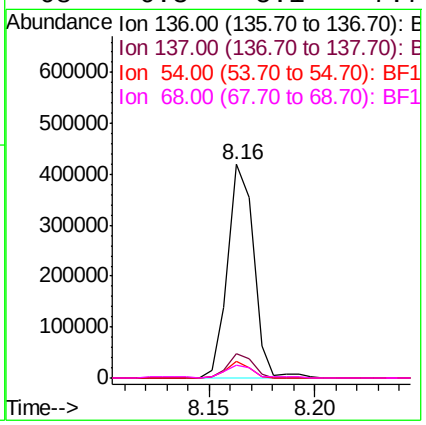
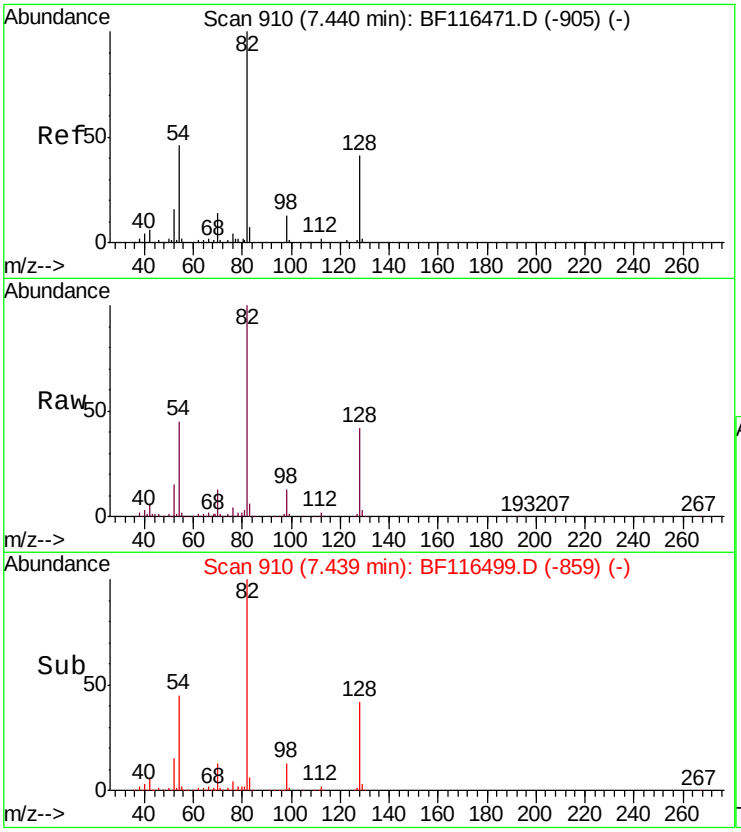


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:136 Resp: 357949

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.8	5.8	8.6
68	6.3	5.1	7.7

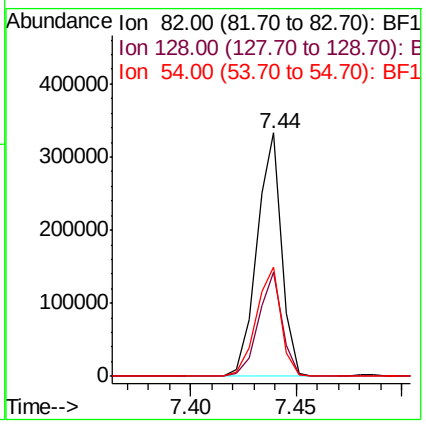




#23
Nitrobenzene-d5
Concen: 41.273 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion: 82 Resp: 270035

Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.2	48.4
54	44.8	36.5	54.7



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

Manual Integrations APPROVED
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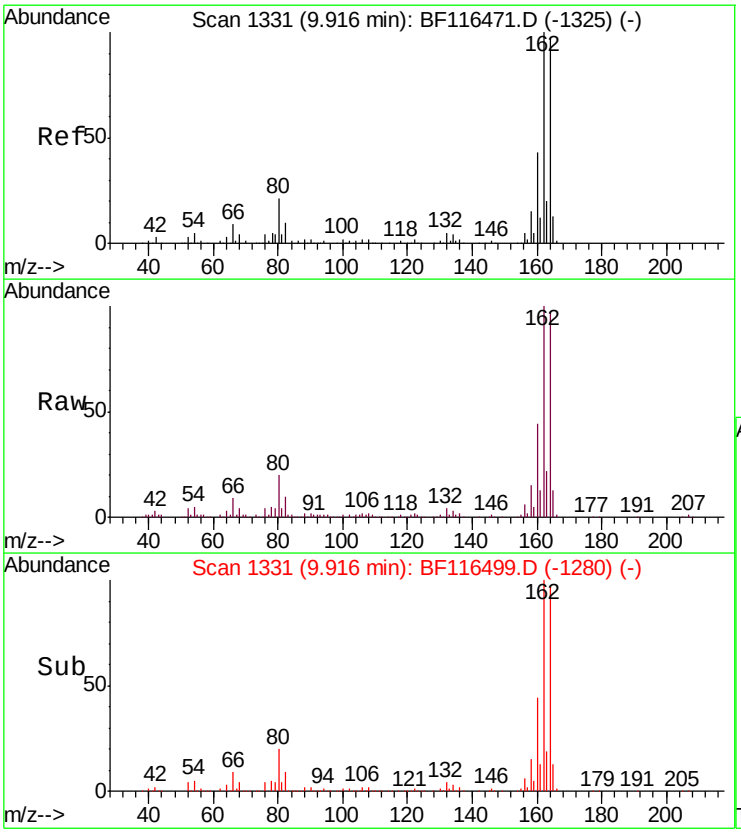
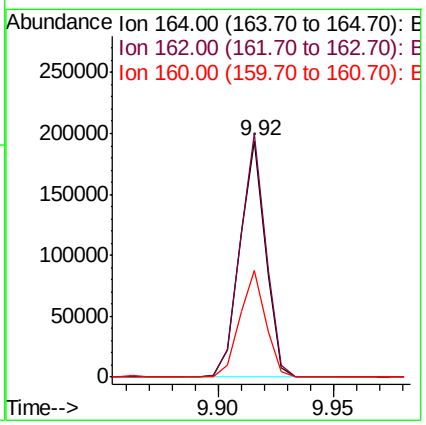
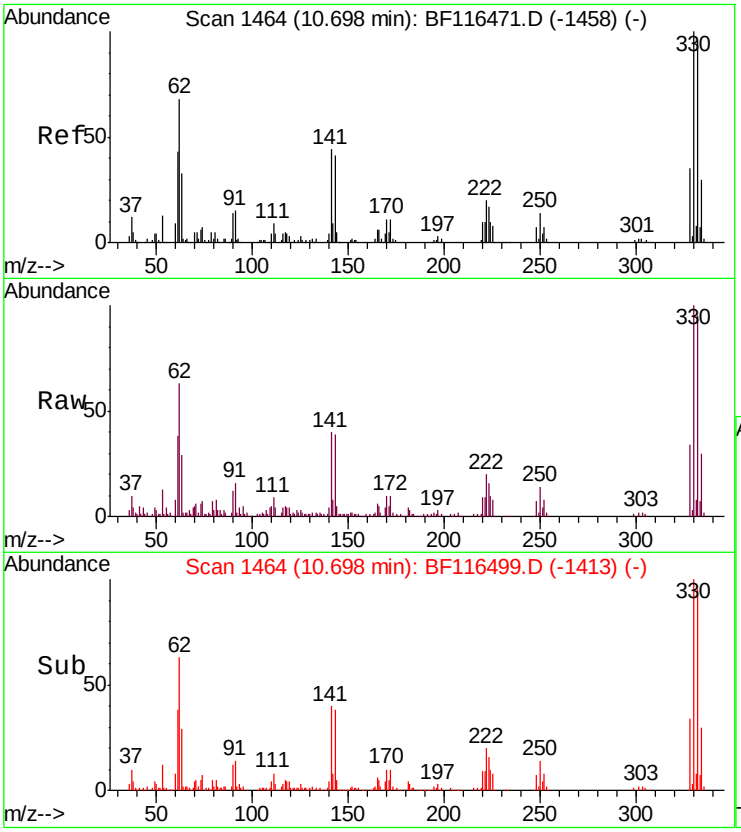


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:164 Resp: 151630

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	45.4	35.8	53.8

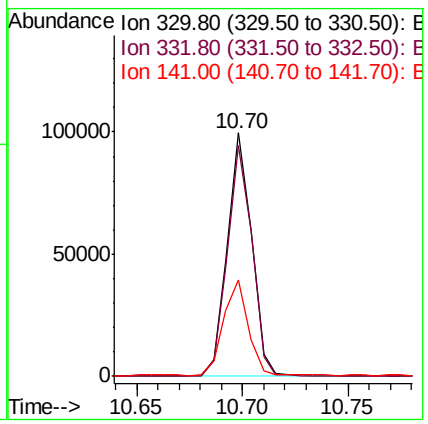




#42
2,4,6-Tribromophenol
Concen: 60.931 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:330 Resp: 79332

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.2	115.8
141	39.9	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

Manual Integrations APPROVED
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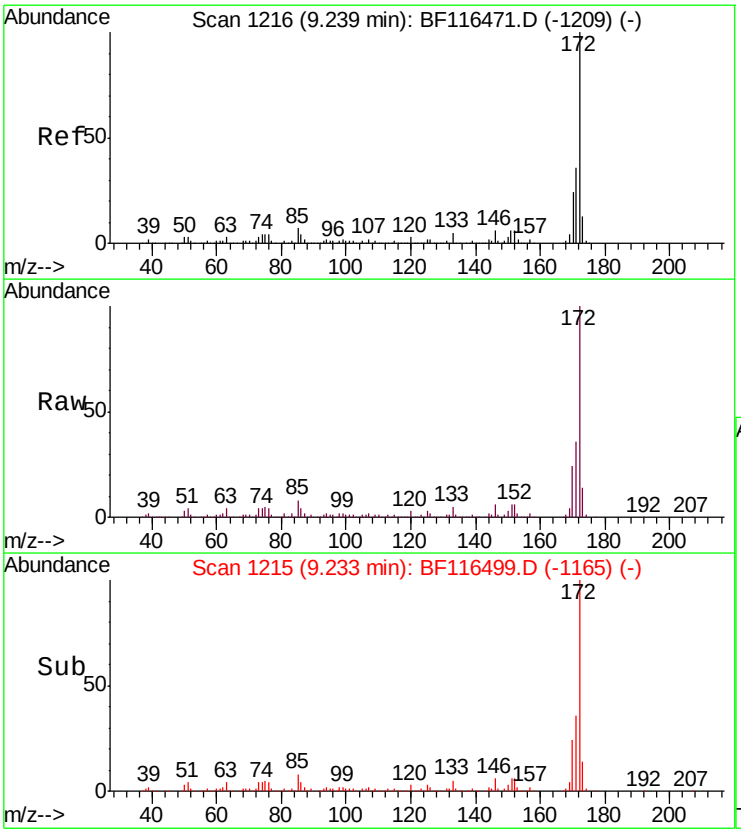
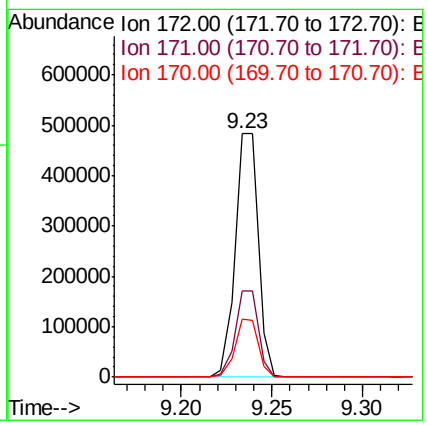
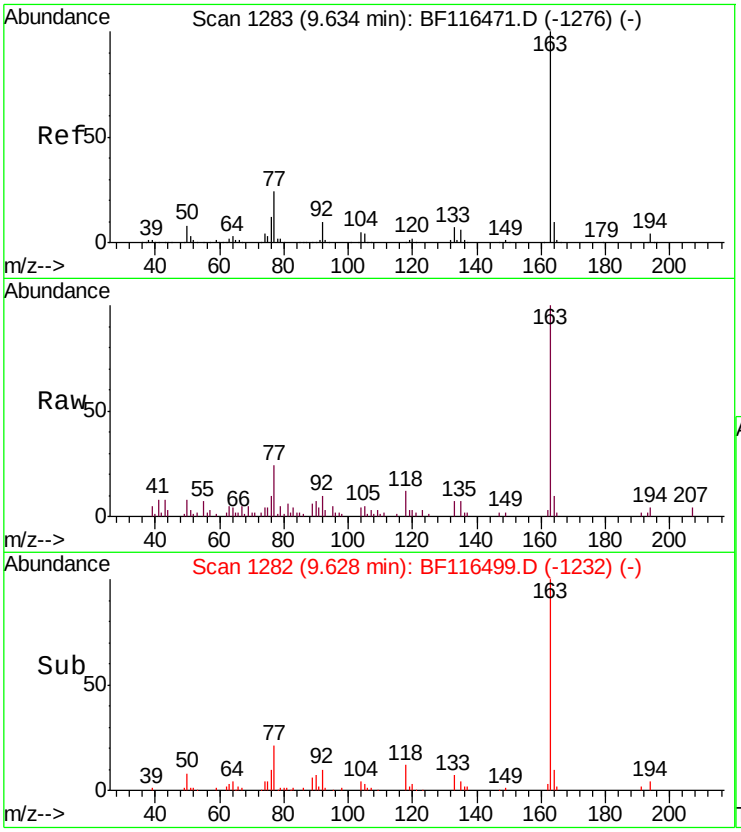


#45
2-Fluorobiphenyl
Concen: 45.889 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:172 Resp: 432074

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.6	19.4	29.0

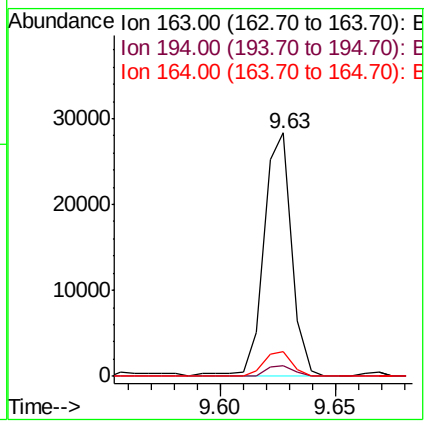




#50
Dimethylphthalate
Concen: 2.243 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:163 Resp: 23731

Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.9	4.3#
164	9.9	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

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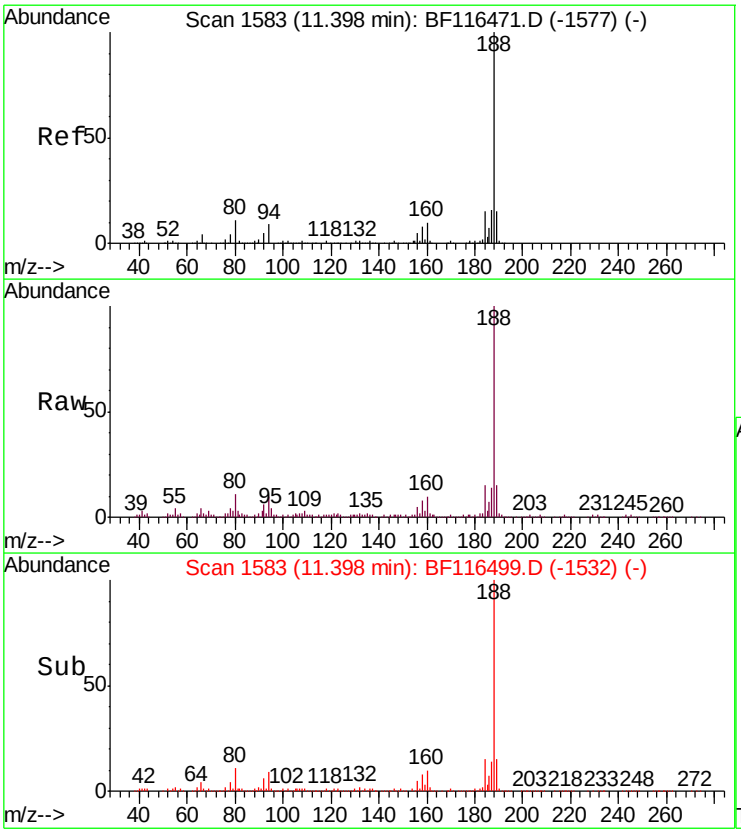
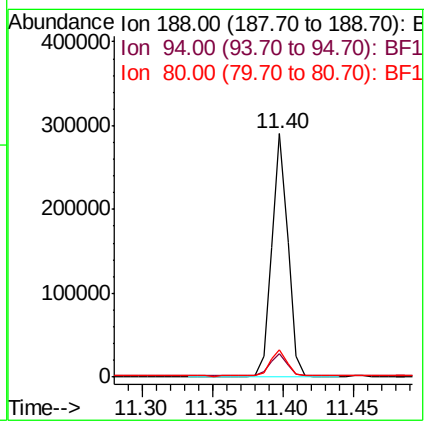
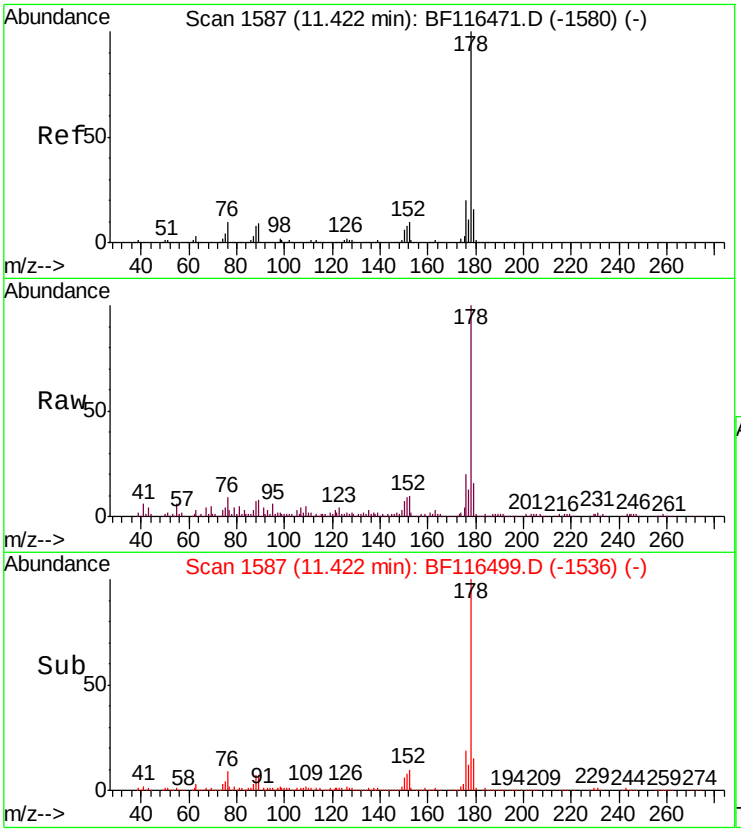


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:188 Resp: 232420

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	11.4	8.6	12.8

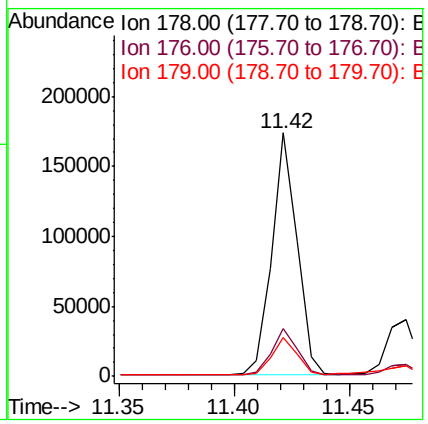




#71
Phenanthrene
Concen: 10.310 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:178 Resp: 130534

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.8	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

Manual Integrations APPROVED
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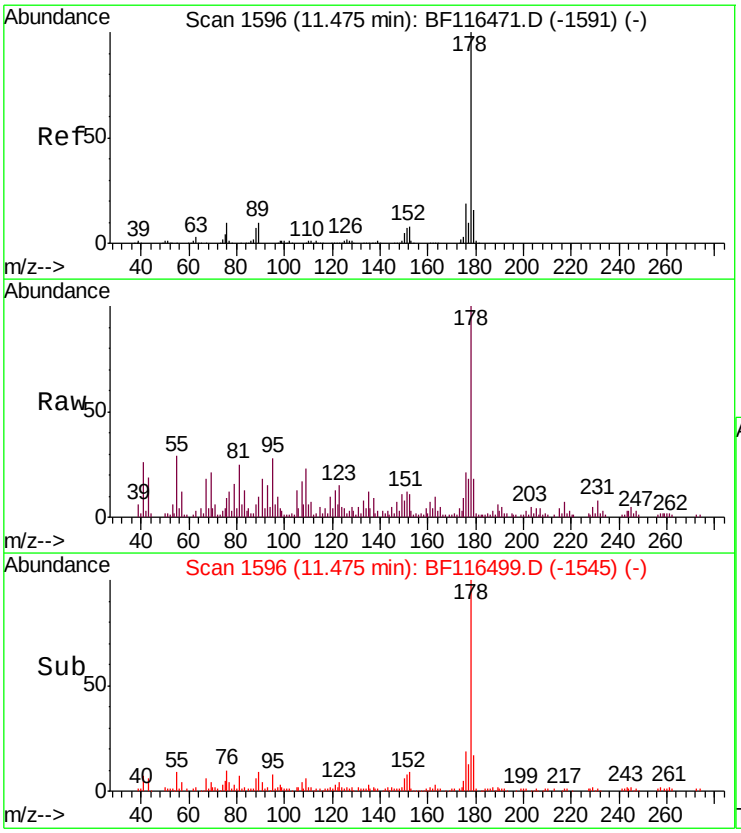
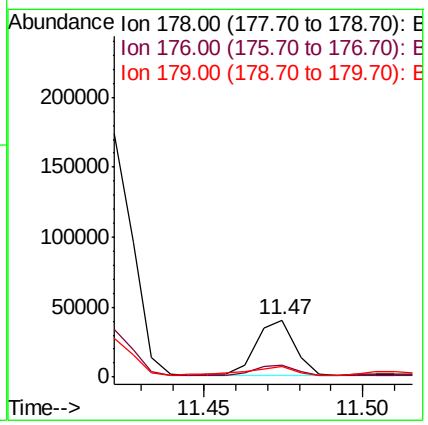
8/28/2019 8:09:19 AM

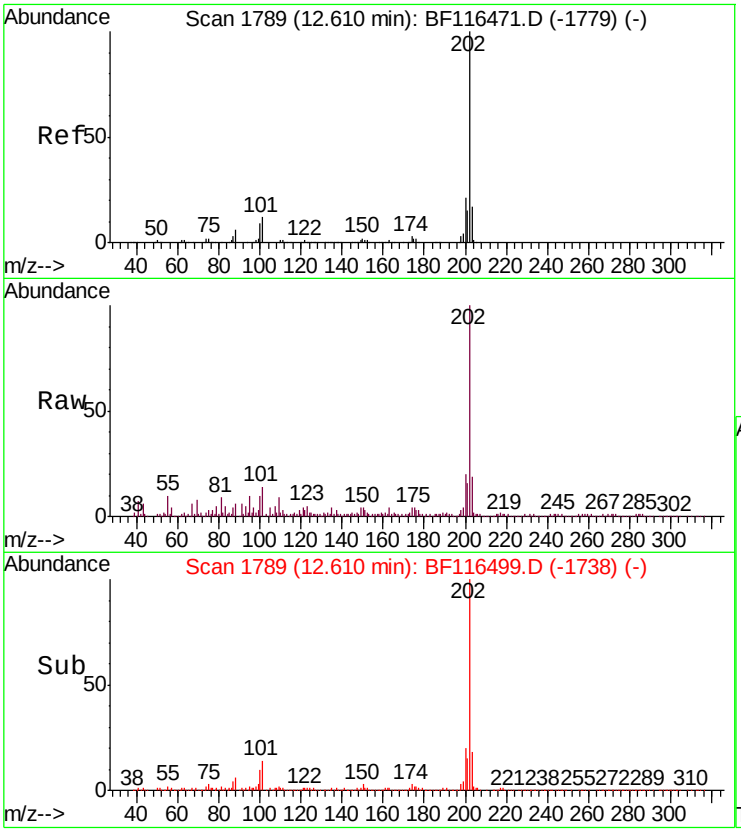


#72
Anthracene
Concen: 2.622 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:178 Resp: 33358

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.2	22.8
179	17.8	12.5	18.7

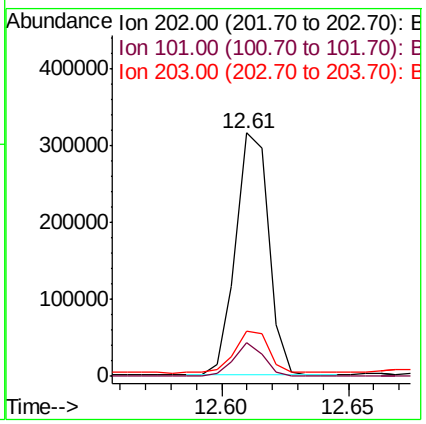




#75
Fluoranthene
Concen: 21.815 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:202 Resp: 285553

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.5
203	18.8	0.0	37.5



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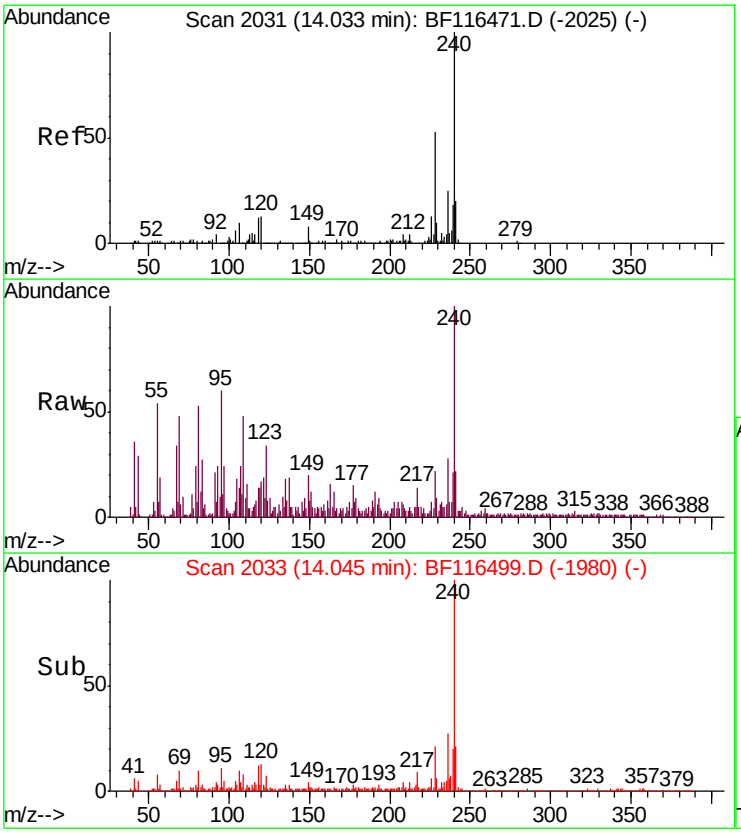
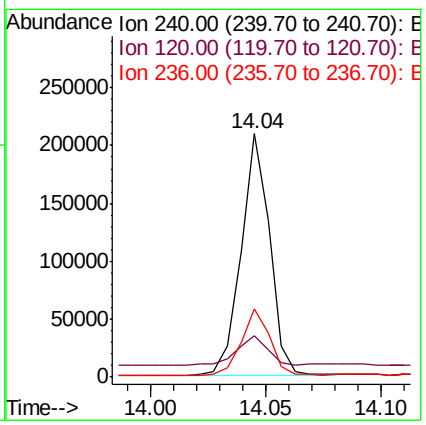
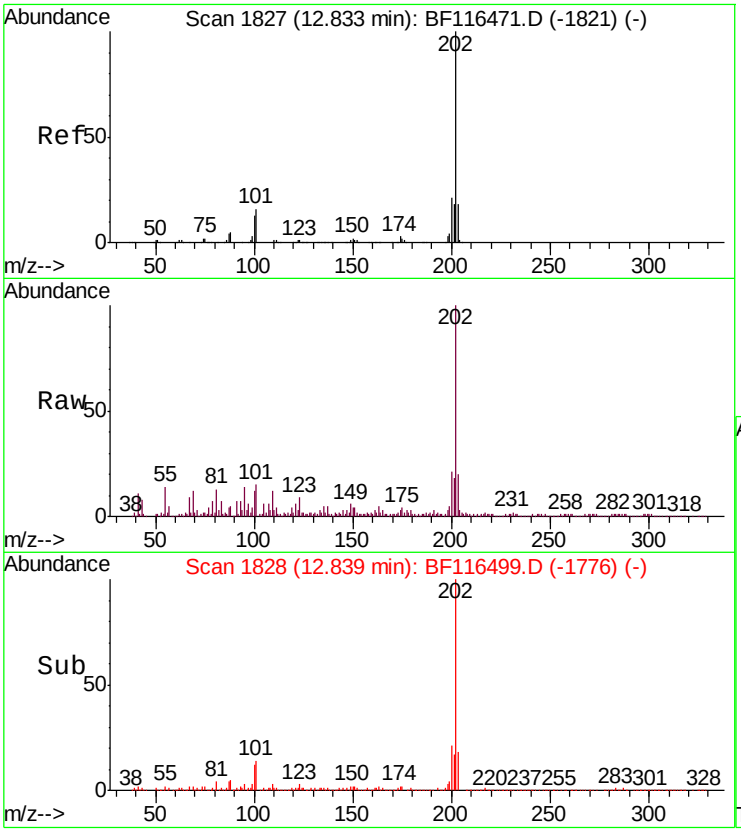


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:240 Resp: 179412

Ion	Ratio	Lower	Upper
240	100		
120	16.9	10.5	15.7#
236	27.9	20.2	30.2

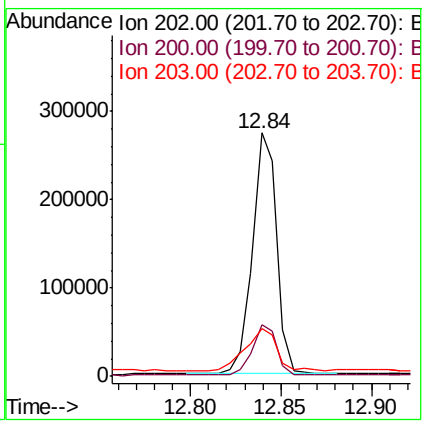




#78
Pyrene
Concen: 17.559 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

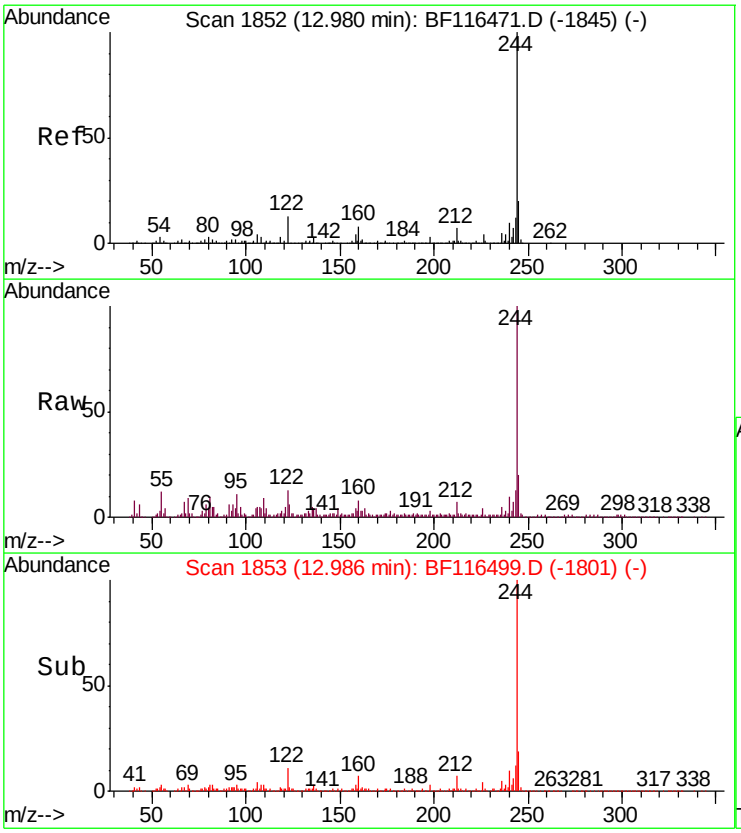
Tgt Ion:202 Resp: 251926

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	19.6	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

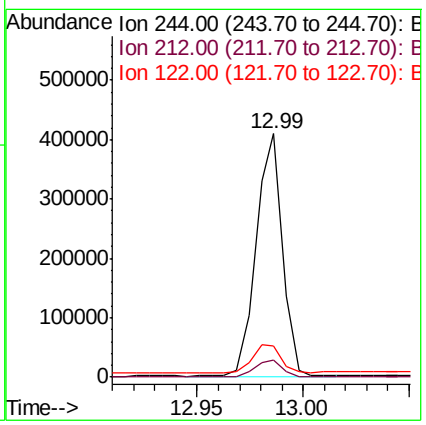
Manual Integrations APPROVED
Jagrut
8/28/2019 8:09:19 AM

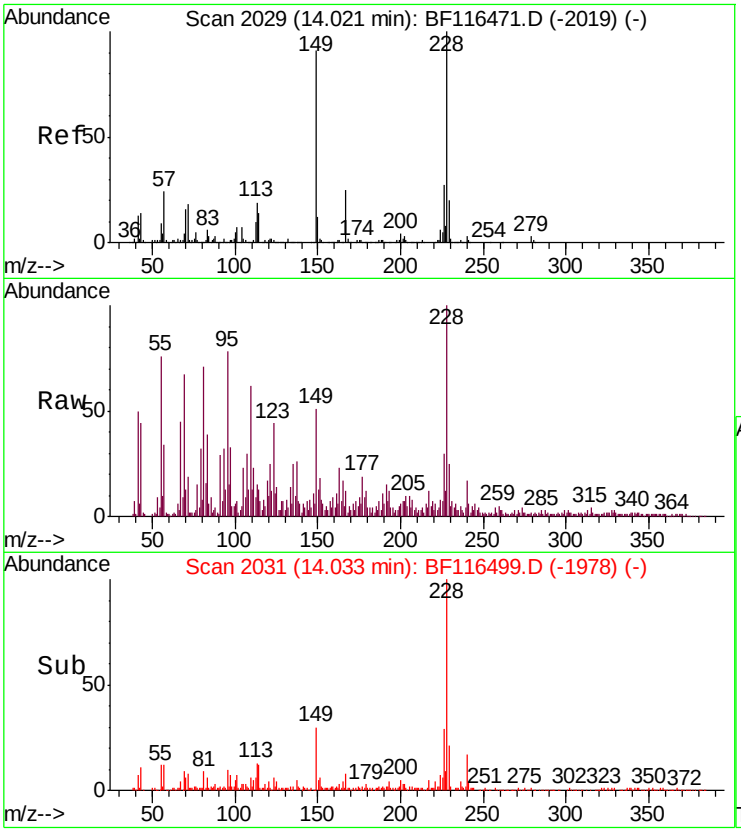


#79
Terphenyl-d14
Concen: 36.751 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:244 Resp: 352994

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.7	10.2	15.4





#81
Benzo(a)anthracene
Concen: 13.647 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:228 Resp: 158573

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.8	32.6
229	25.2	15.9	23.9#

Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

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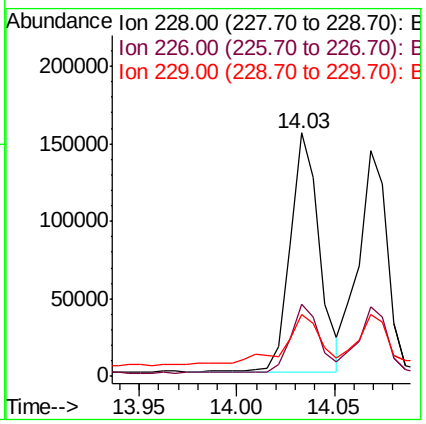
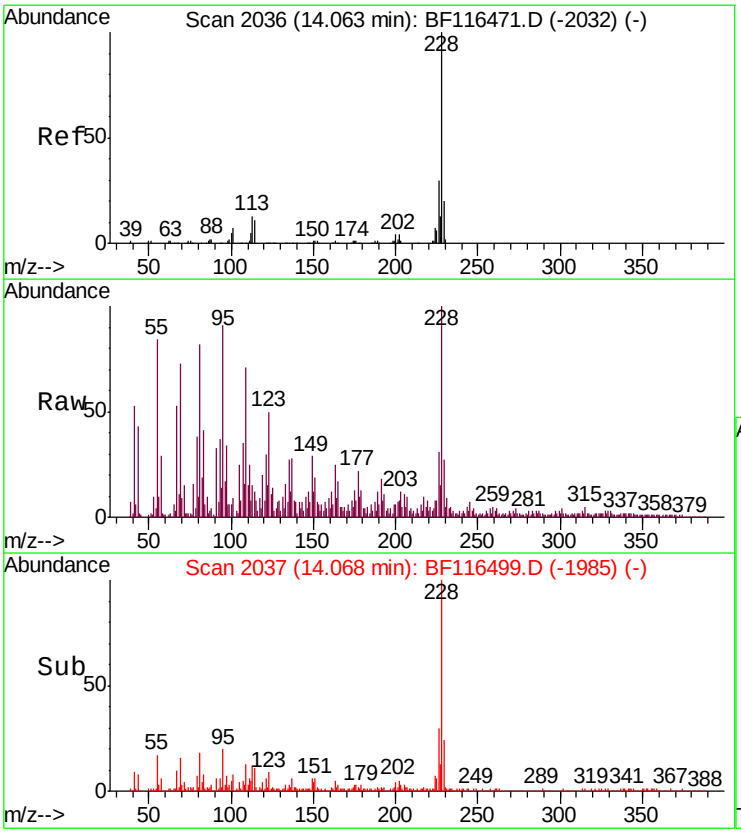
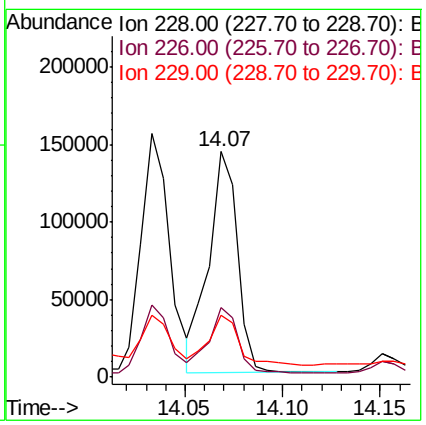


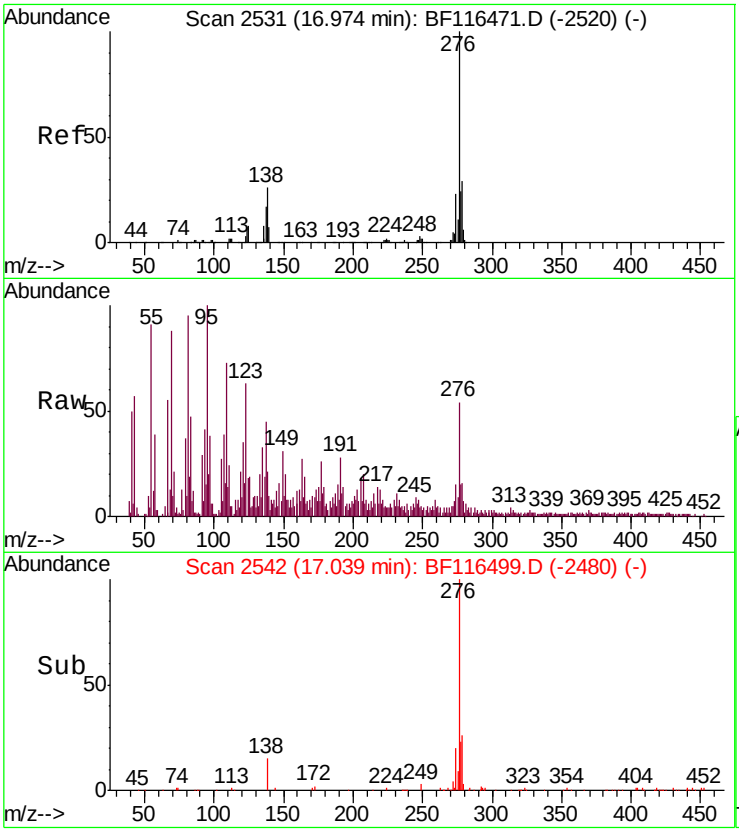


#83
Chrysene
Concen: 12.392 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:228 Resp: 145951

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	27.2	15.8	23.6#





#86
Indeno(1,2,3-cd)pyrene
Concen: 6.886 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.06 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:276 Resp: 69470

Ion	Ratio	Lower	Upper
276	100		
138	30.3	22.9	34.3
277	26.2	19.9	29.9

Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

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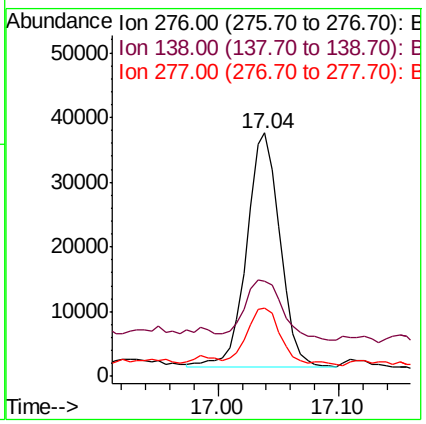
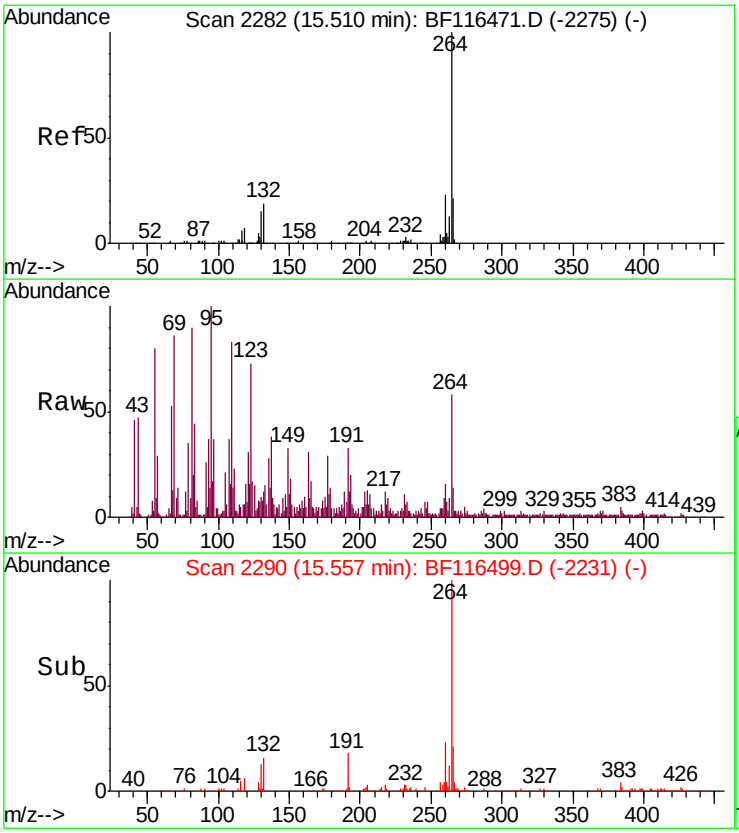
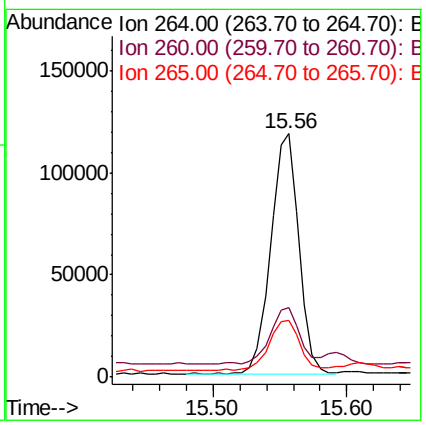


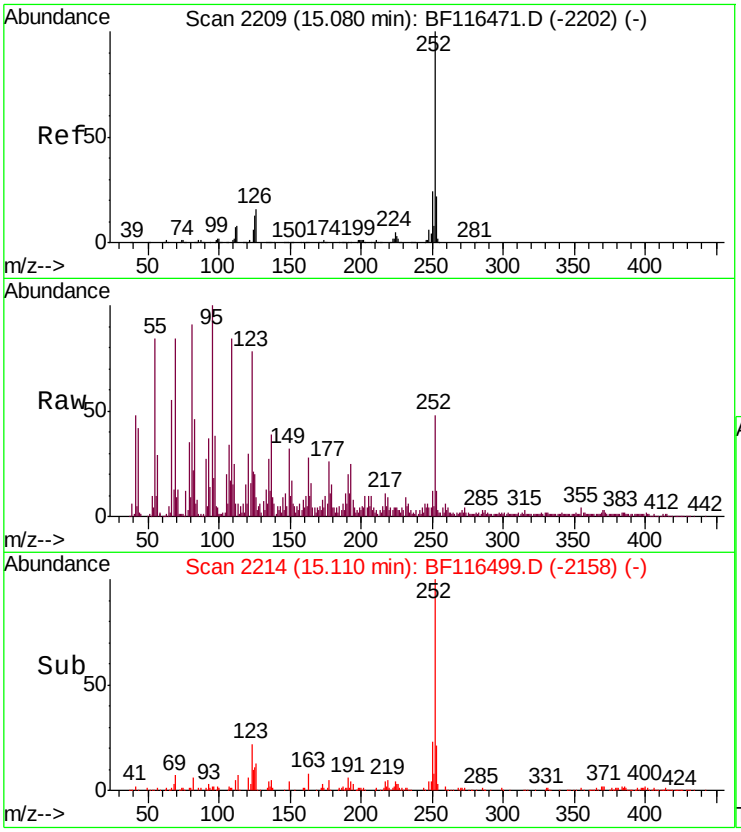


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.05 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:264 Resp: 173577

Ion	Ratio	Lower	Upper
264	100		
260	28.5	18.8	28.2#
265	23.4	17.1	25.7





#88
Benzo(b)fluoranthene
Concen: 17.070 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.03 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:252 Resp: 183040

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	42.3	10.1	15.1#

Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

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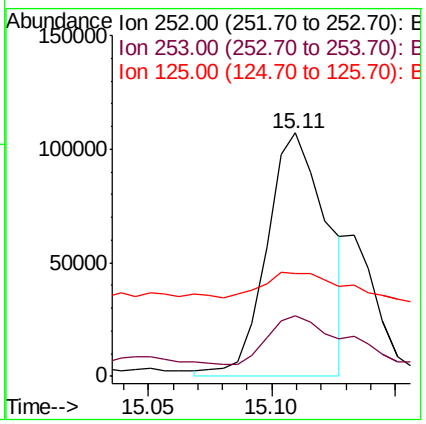
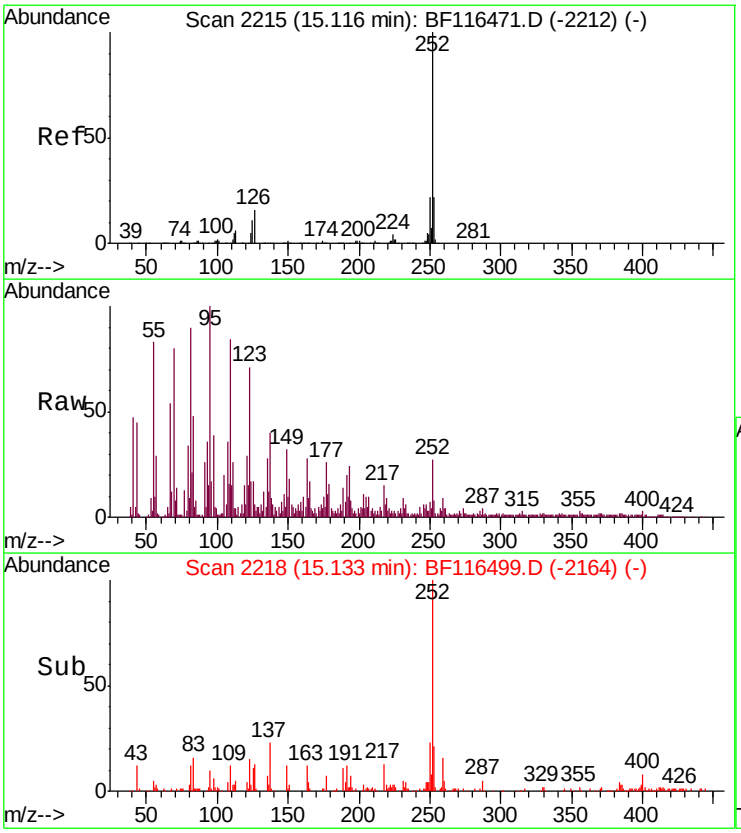
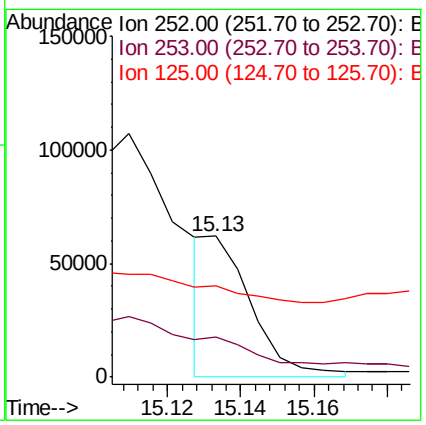


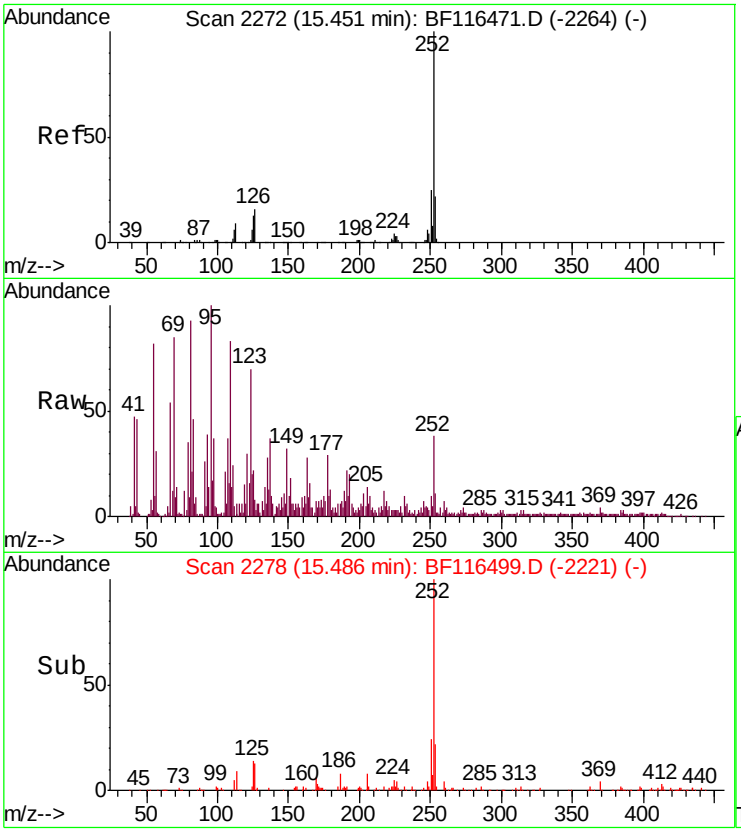


#89
Benzo(k)fluoranthene
Concen: 5.532 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.02 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:252 Resp: 53736

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.4	26.2#
125	64.8	9.1	13.7#





#90
Benzo(a)pyrene
Concen: 10.851 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.04 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:252 Resp: 102830

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.2	25.8#
125	56.9	10.2	15.4#

Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

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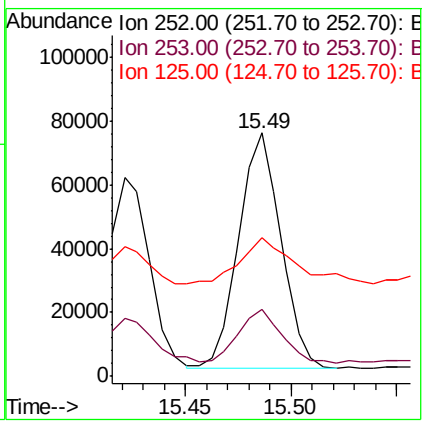
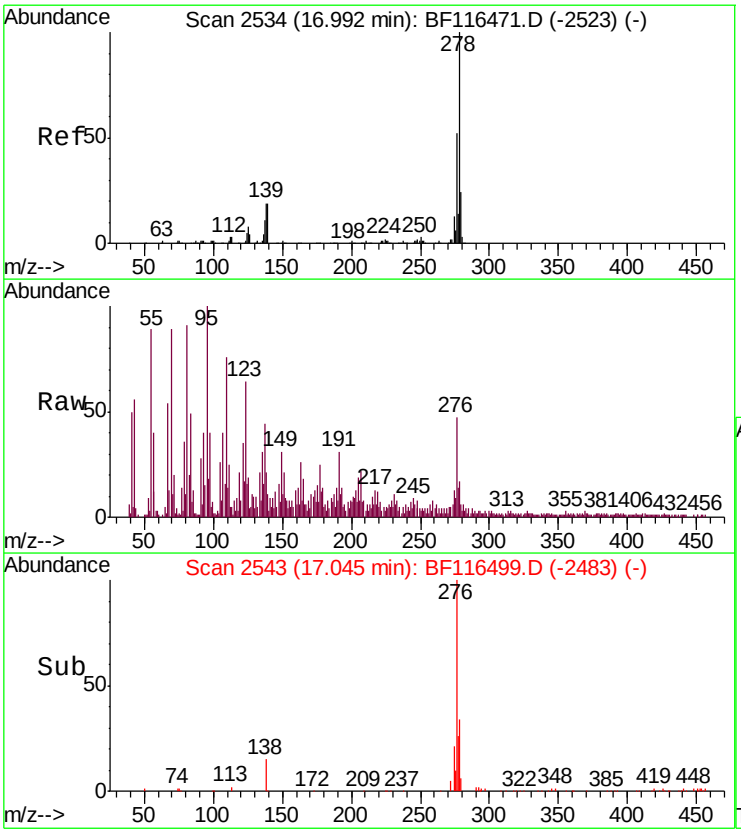
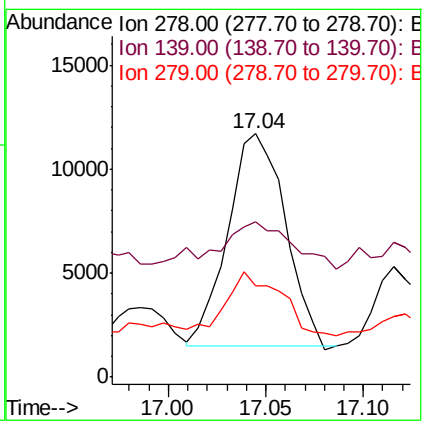


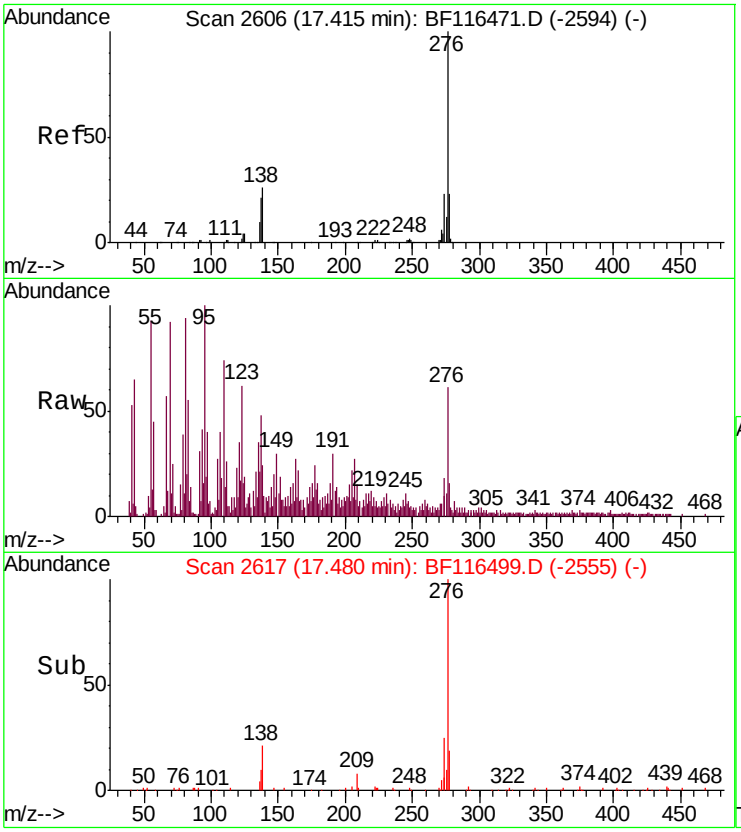


#91
Dibenzo(a,h)anthracene
Concen: 2.660 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.05 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:278 Resp: 20717

Ion	Ratio	Lower	Upper
278	100		
139	63.9	15.3	22.9#
279	37.7	19.0	28.6#

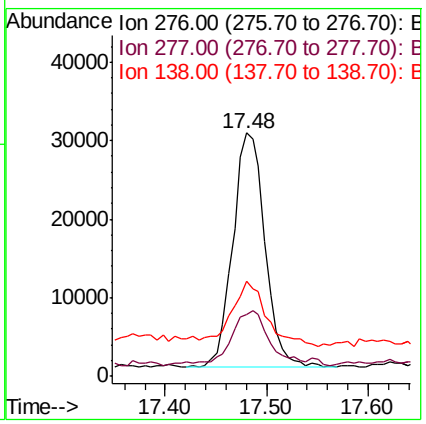




#92
Benzo(g,h,i)perylene
Concen: 8.842 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.06 min
Lab File: BF116499.D
Acq: 24 Aug 2019 1:21

Tgt Ion:276 Resp: 65643

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.7	28.1
138	39.3	20.8	31.2#



Instrument :
BNA_F
ClientSampleId :
T4-A1-A4-(0-2)

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