

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117631.D
 Acq On : 30 Oct 2019 18:12
 Operator : JU
 Sample : K5542-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 608-60-(0-1.5)

Manual Integrations
 APPROVED

mohammad
 10/31/2019 3:10:56 PM

Quant Time: Nov 07 08:07:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	38265	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	154520	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	72750	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	100943	20.00	ng	0.00
76) Chrysene-d12	13.90	240	77727	20.00	ng	0.00
87) Perylene-d12	15.33	264	66240	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	209210	81.34	ng	0.00
7) Phenol-d6	6.39	99	292360	84.63	ng	0.00
23) Nitrobenzene-d5	7.29	82	175221	55.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	42695	67.83	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	291027	56.36	ng	-0.01
79) Terphenyl-d14	12.83	244	216659	45.47	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	45153	8.706	ng	99
58) Fluorene	10.32	166	11592	2.364	ng	92
71) Phenanthrene	11.27	178	168820	28.802	ng	98
72) Anthracene	11.33	178	45356	7.542	ng	95
75) Fluoranthene	12.46	202	207475	35.359	ng	100
78) Pyrene	12.69	202	177297	26.556	ng	99
81) Benzo(a)anthracene	13.89	228	85752	16.356	ng	99
83) Chrysene	13.92	228	73903	14.382	ng	98
86) Indeno(1,2,3-cd)pyrene	16.76	276	29035	7.568	ng	99
88) Benzo(b)fluoranthene	14.93	252	78196m	19.991	ng	
89) Benzo(k)fluoranthene	14.94	252	27099m	6.759	ng	
90) Benzo(a)pyrene	15.27	252	53915	15.160	ng	# 95
91) Dibenzo(a,h)anthracene	16.74	278	7445	2.421	ng	# 88
92) Benzo(a,h,i)perylene	17.19	276	25044	8.607	ng	96

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

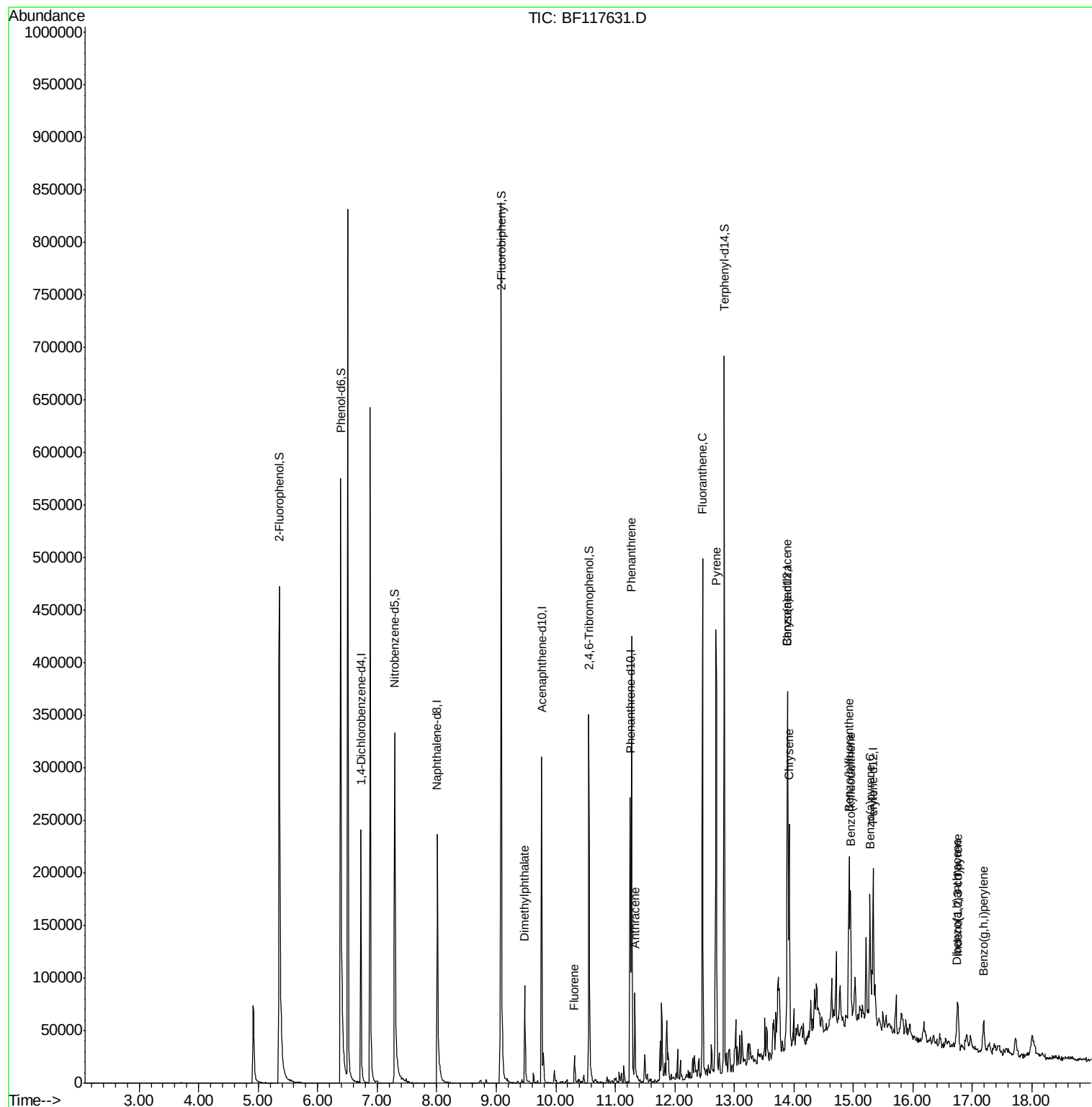
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117631.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

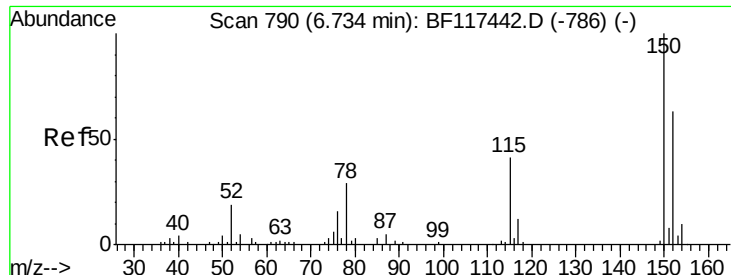
Instrument :
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#1

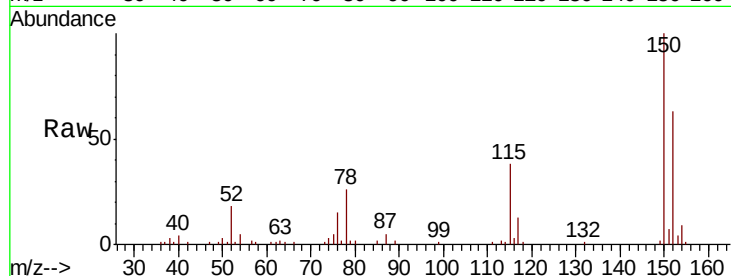
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.8	190.2
115	60.7	51.6	77.4

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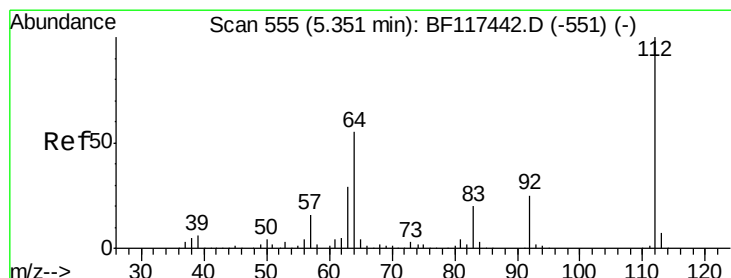
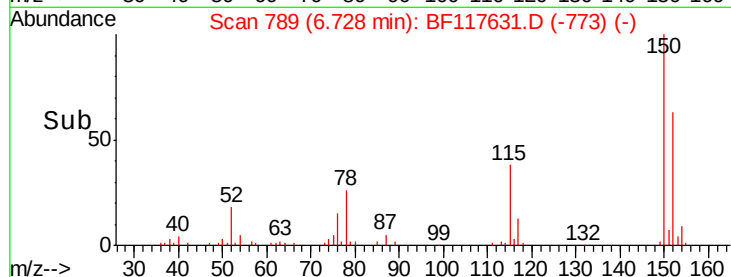
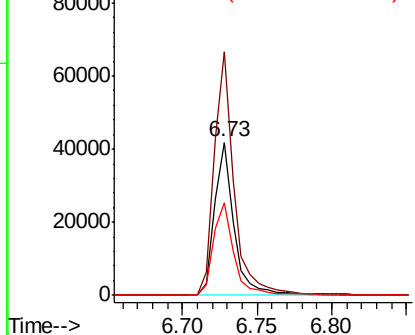


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

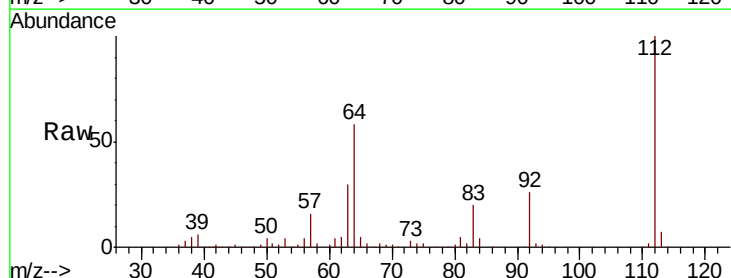
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.339 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.1	66.1
63	29.8	23.4	35.2

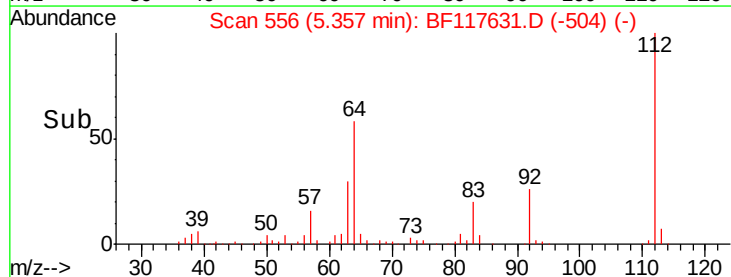
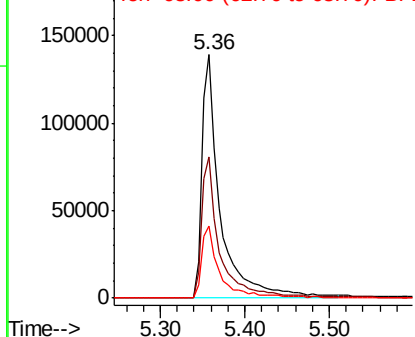


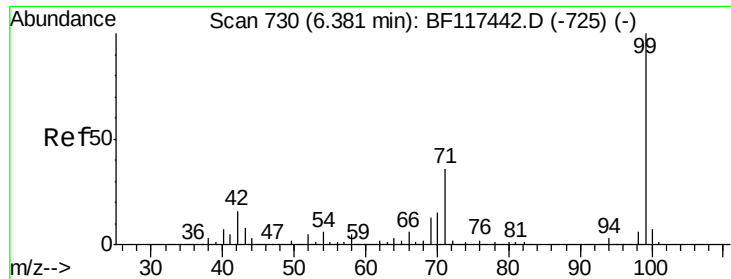
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.629 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Instrument :

BNA_F

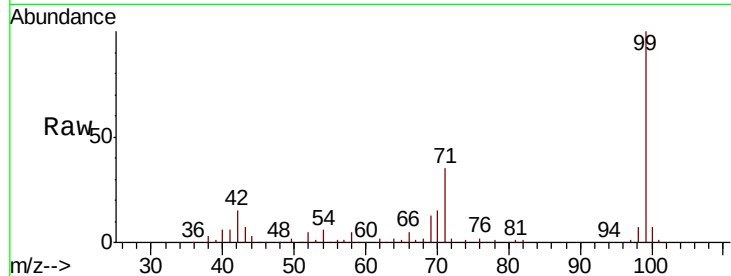
ClientSampleId :

608-60-(0-1.5)

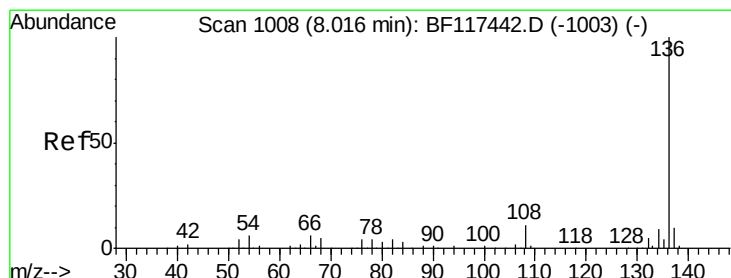
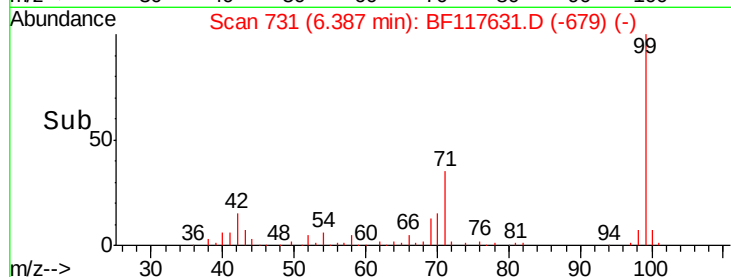
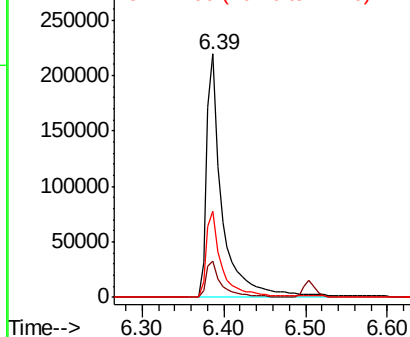
Tot Ion:	99	Resp:	292360
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.8	19.2
71	35.4	28.6	43.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

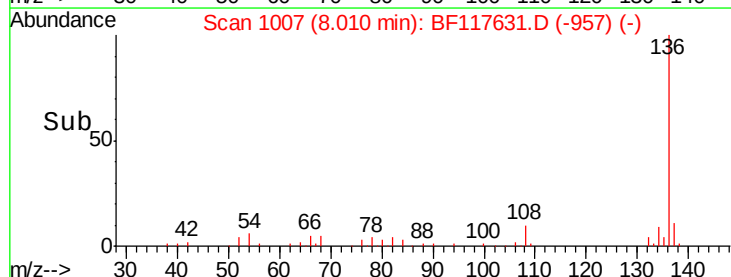
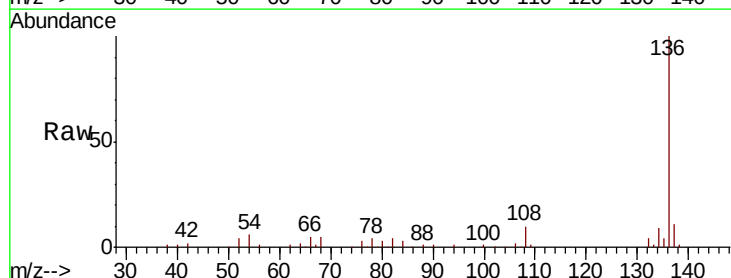
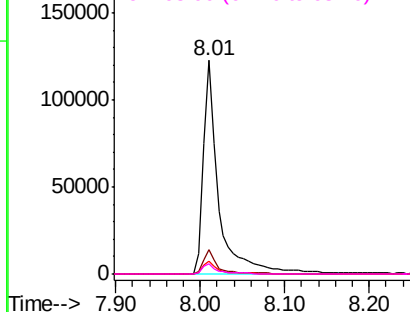
Delta R.T. -0.01 min

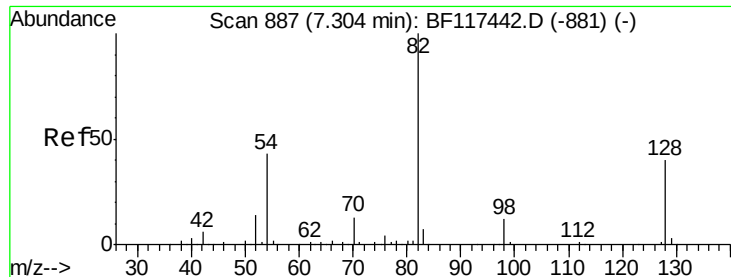
Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Tgt Ion:	136	Resp:	154520
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.1	4.5	6.7
68	4.6	4.3	6.5

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





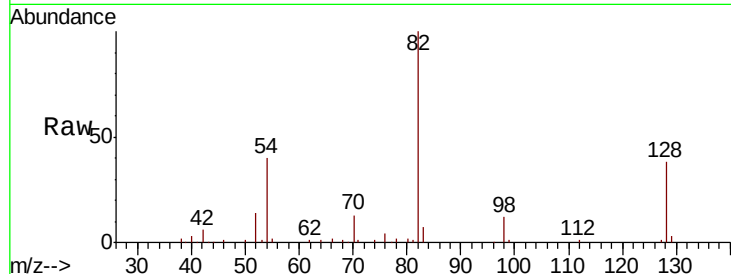
#23
Nitrobenzene-d5
Concen: 55.982 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

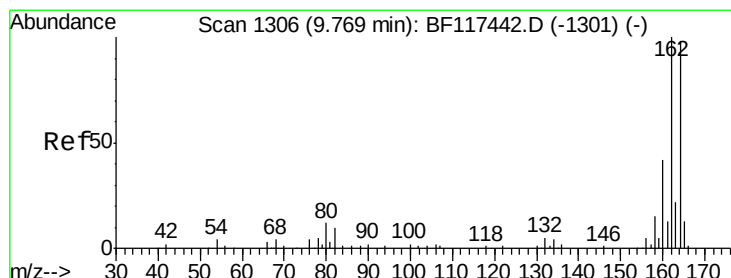
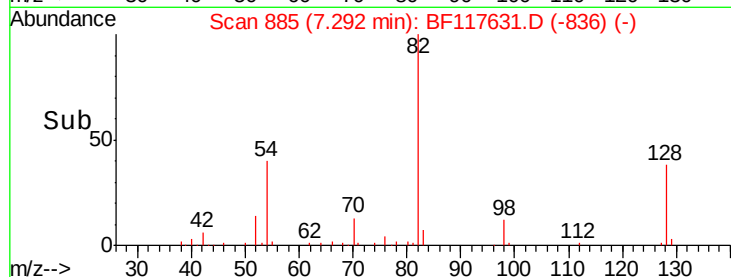
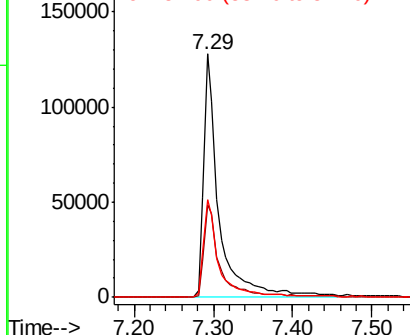
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	32.2	48.2
54	40.0	34.2	51.2

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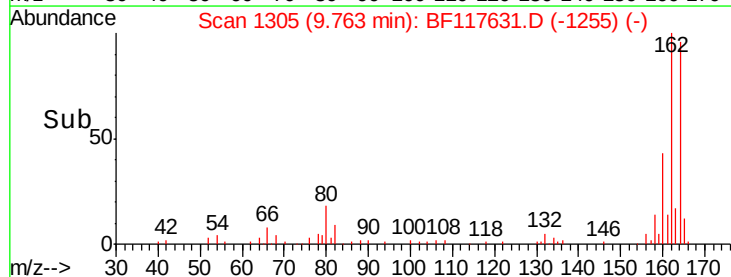
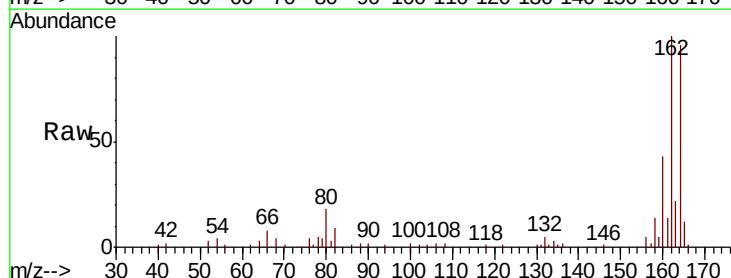
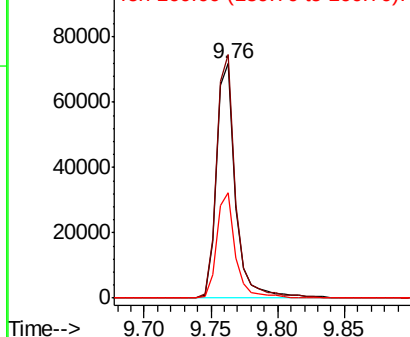
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

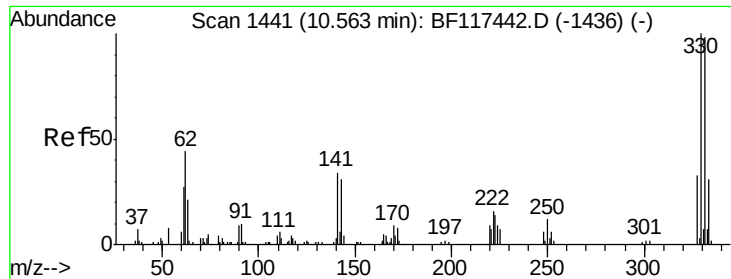


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	44.7	34.4	51.6

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 67.826 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Instrument :

BNA_F

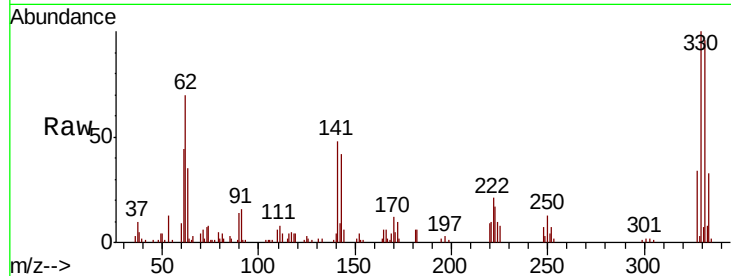
ClientSampleId :

608-60-(0-1.5)

Tot Ion:	330	Resp:	42695
Ion Ratio	Lower	Upper	
330	100		
332	97.0	78.5	117.7
141	48.0	37.0	55.6

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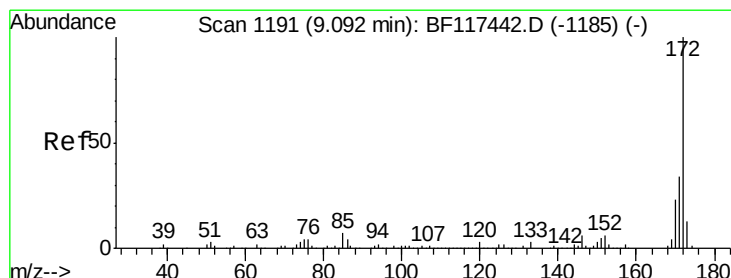
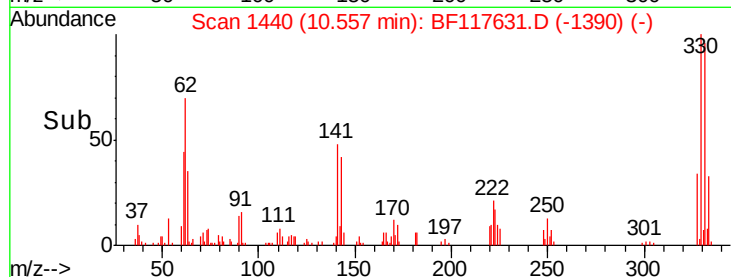
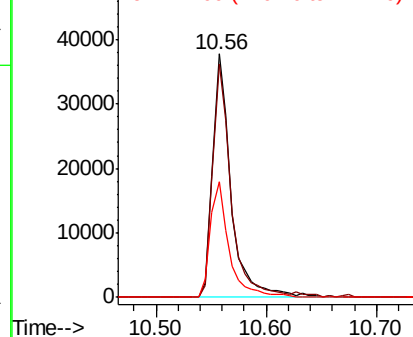


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 56.365 ng

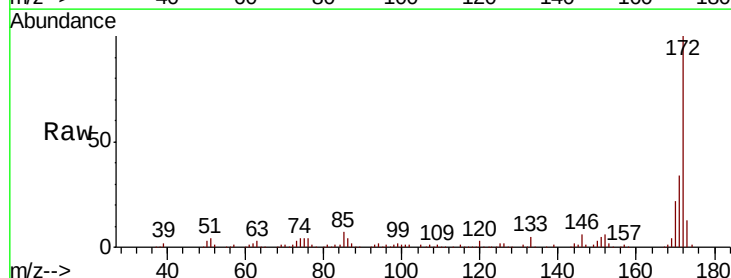
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Tgt Ion:	172	Resp:	291027
Ion Ratio	Lower	Upper	
172	100		
171	33.6	27.5	41.3
170	22.1	18.6	27.8

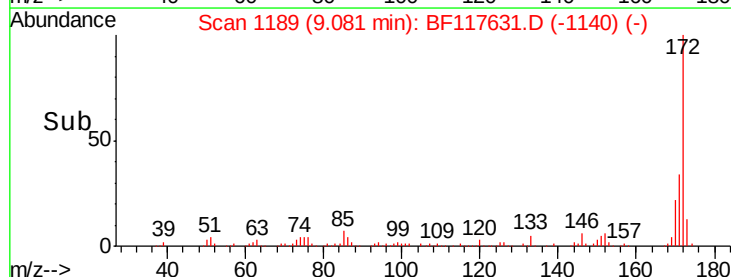
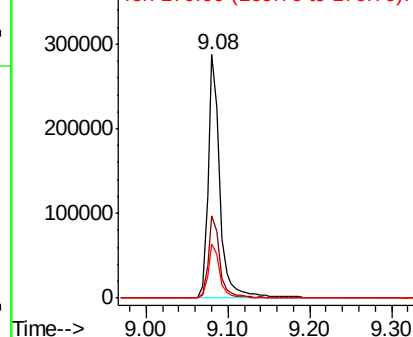


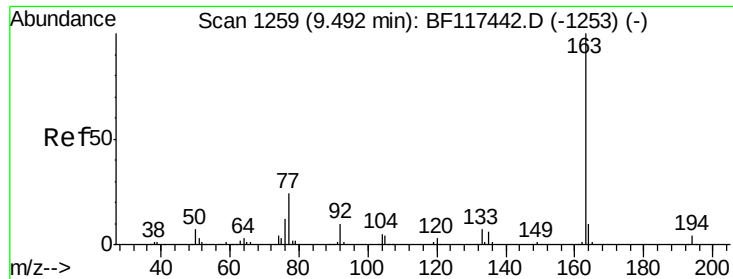
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





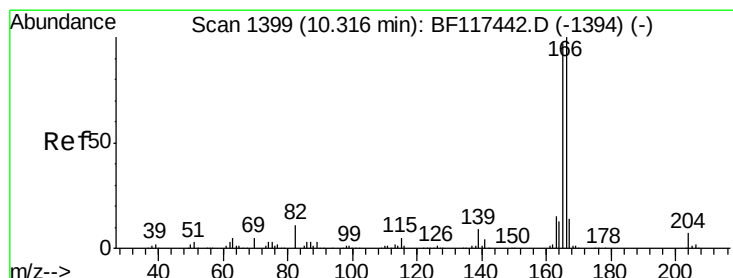
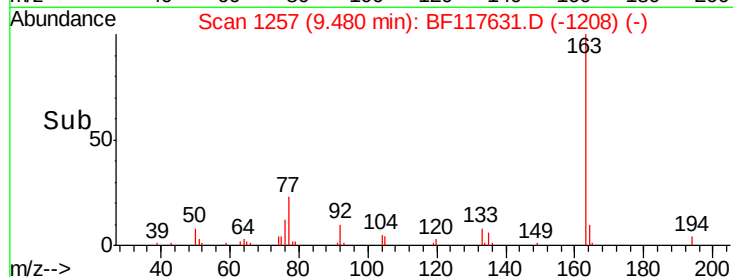
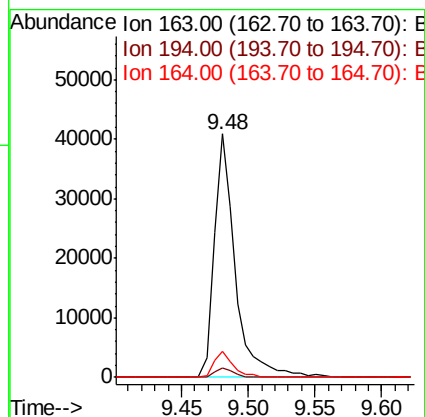
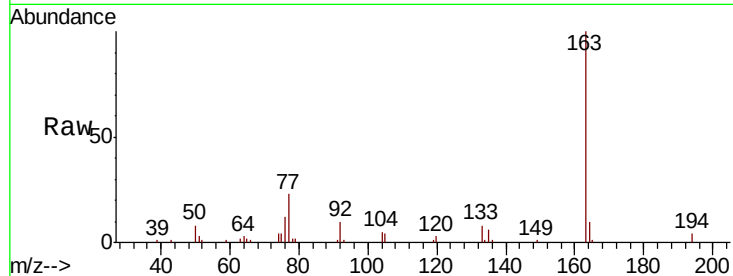
#50
Dimethylphthalate
Concen: 8.706 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.5	8.2	12.2

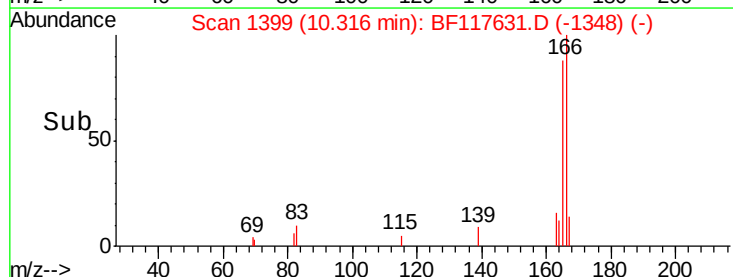
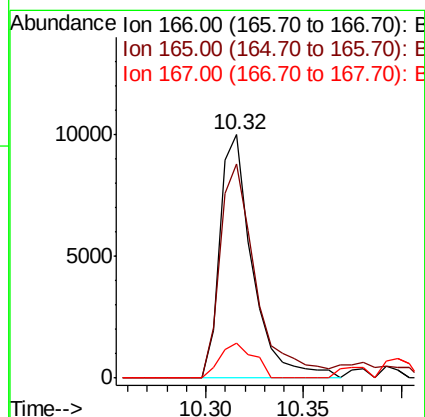
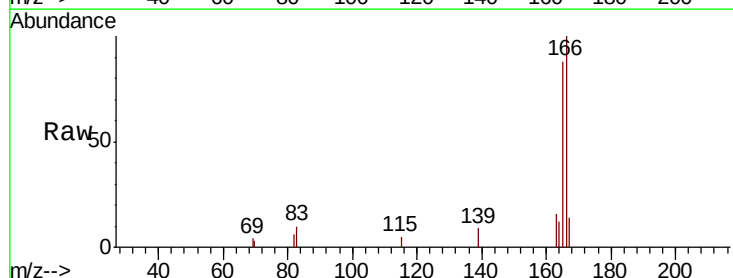
Manual Integrations
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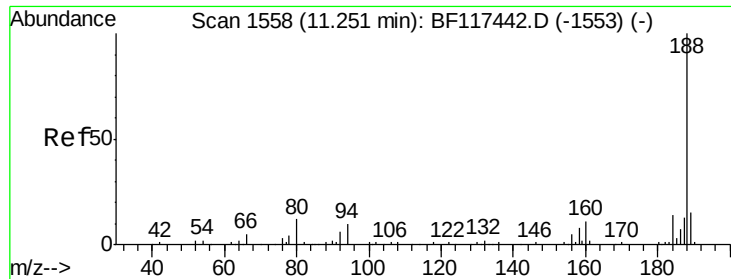
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#58
Fluorene
Concen: 2.364 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	87.7	77.6	116.4
167	14.2	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Instrument :

BNA_F

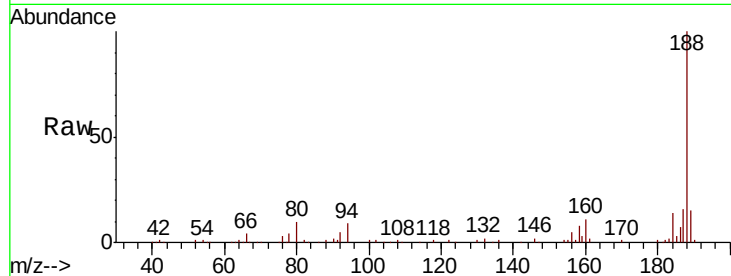
ClientSampleId :

608-60-(0-1.5)

Tot Ion:	188	Resp:	100943
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.0	12.0
80	10.3	9.5	14.3

Manual Integrations
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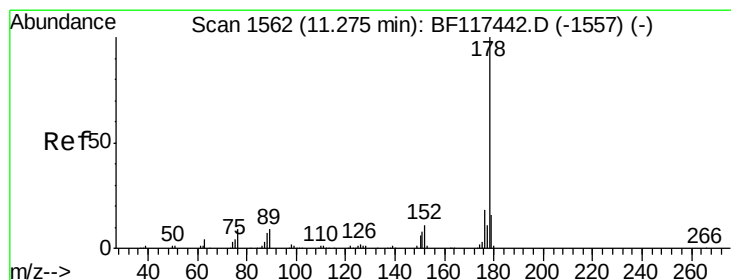
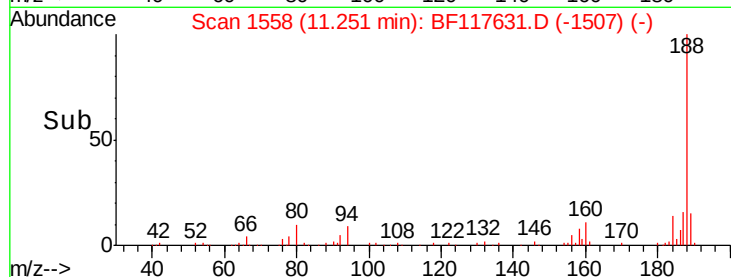
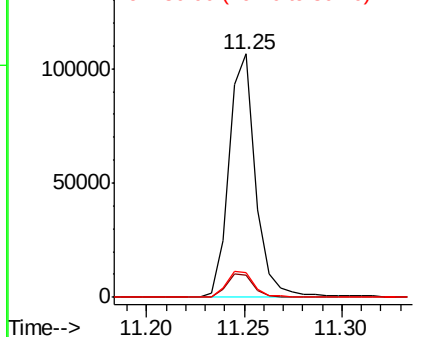
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 28.802 ng

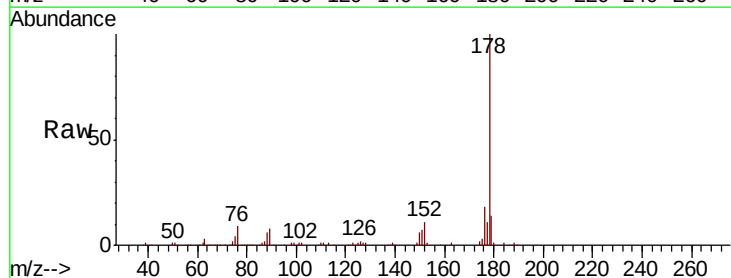
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

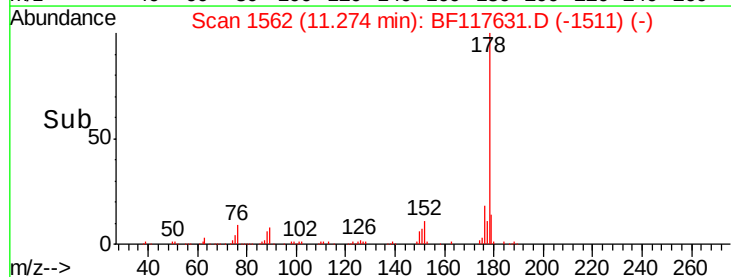
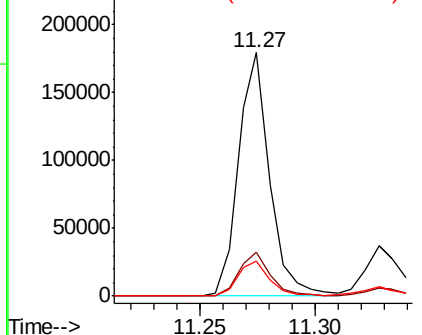
Tgt Ion:	178	Resp:	168820
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.6	22.0
179	14.4	12.6	19.0

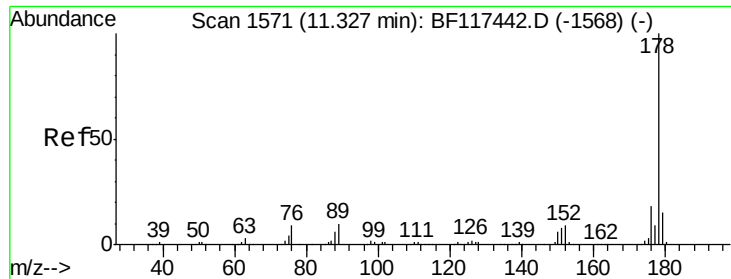


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.542 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Instrument :

BNA_F

ClientSampleId :

608-60-(0-1.5)

Tot Ion:178 Resp: 45356

Ion Ratio Lower Upper

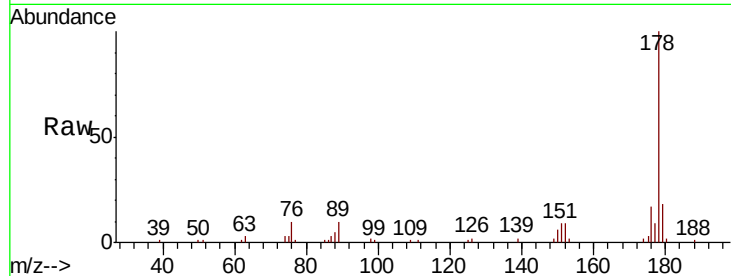
178 100

176 16.8 14.7 22.1

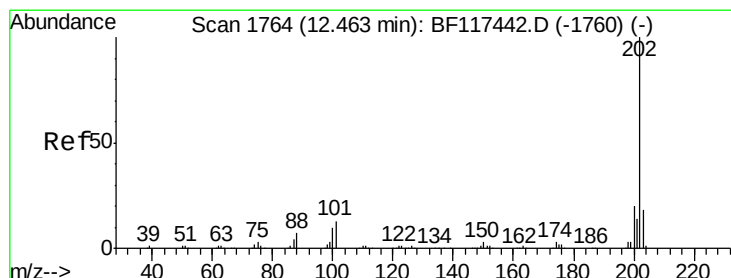
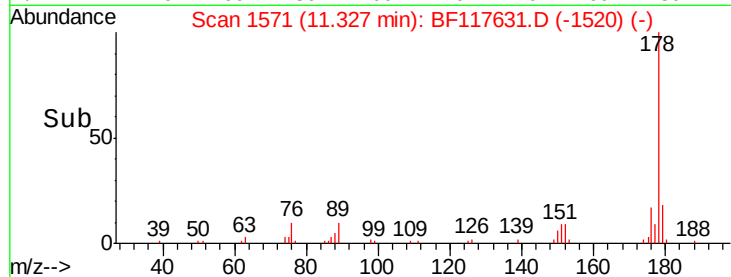
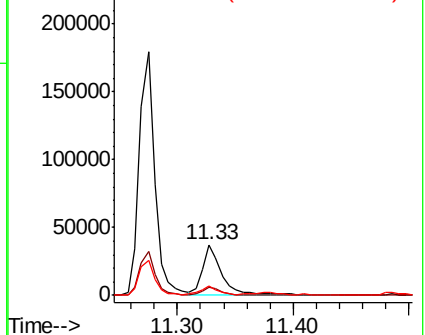
179 17.7 12.2 18.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 35.359 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117631.D

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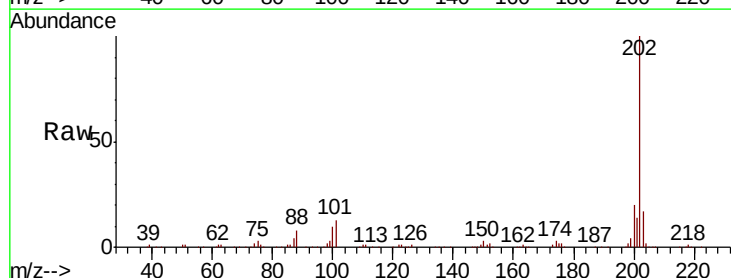
Tgt Ion:202 Resp: 207475

Ion Ratio Lower Upper

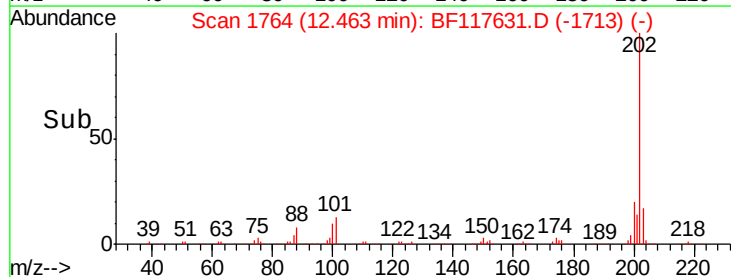
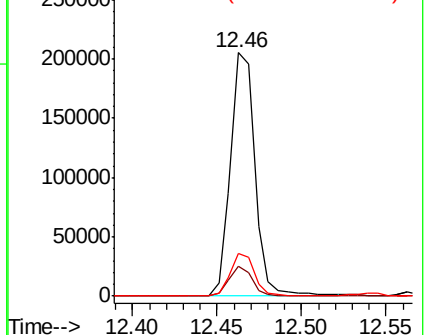
202 100

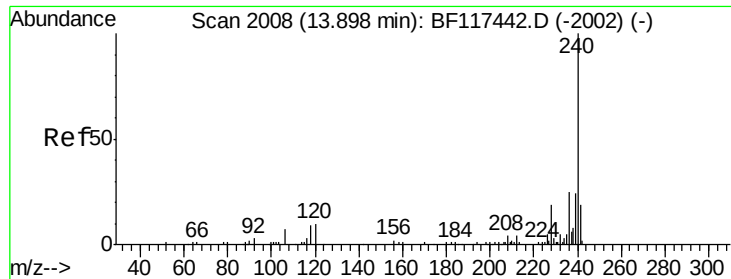
101 12.5 0.0 32.7

203 17.5 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Instrument :

BNA_F

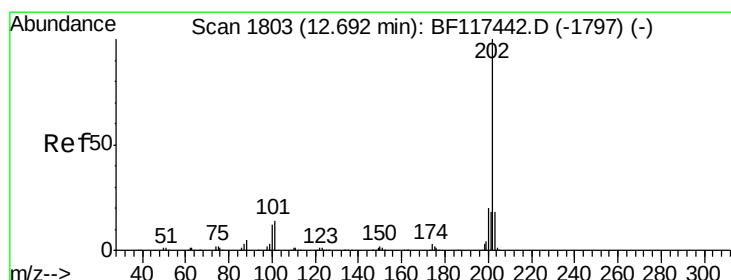
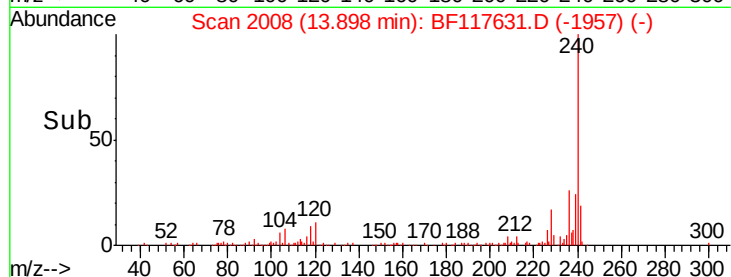
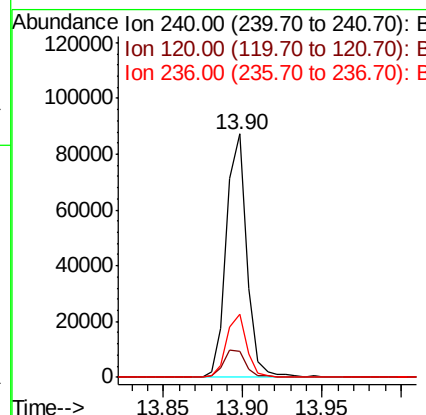
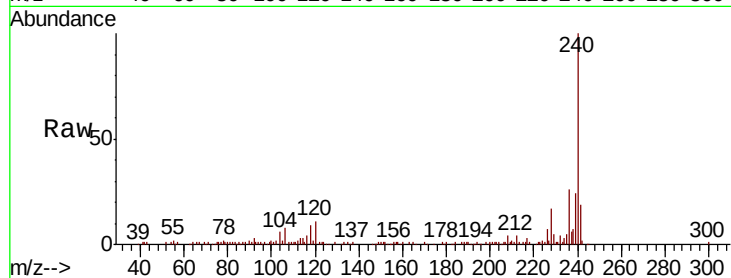
ClientSampleId :

608-60-(0-1.5)

Tot Ion:	240	Resp:	77727
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.4	12.6
236	25.8	20.0	30.0

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#78

Pyrene

Concen: 26.556 ng

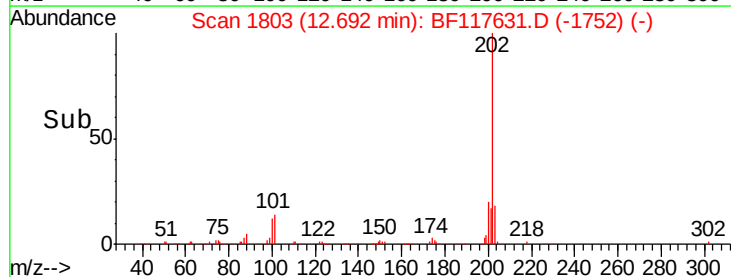
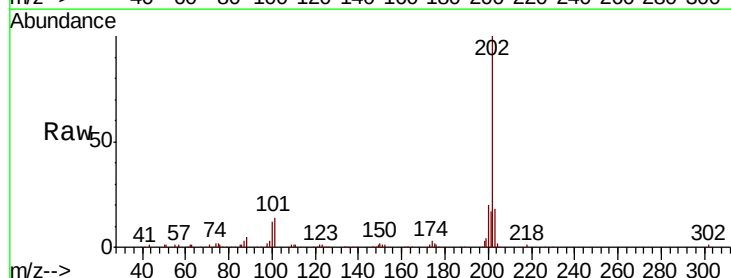
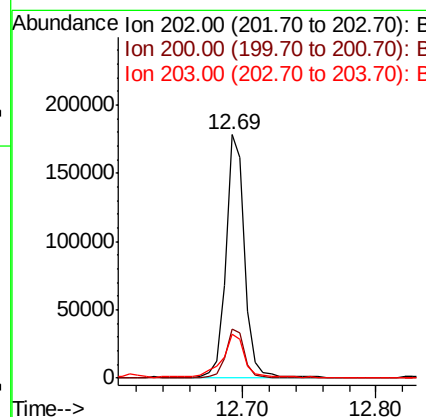
RT: 12.69 min Scan# 1803

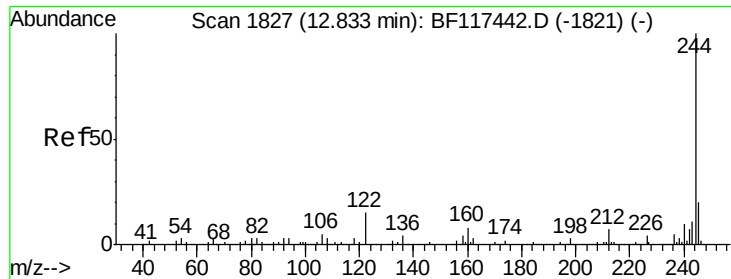
Delta R.T. -0.00 min

Lab File: BF117631.D

Acq: 30 Oct 2019 18:12

Tgt Ion:	202	Resp:	177297
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.2	24.2
203	17.9	14.0	21.0





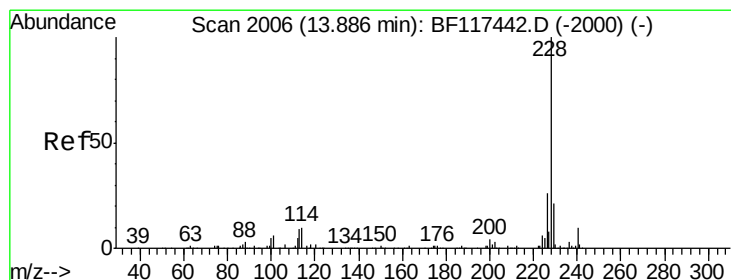
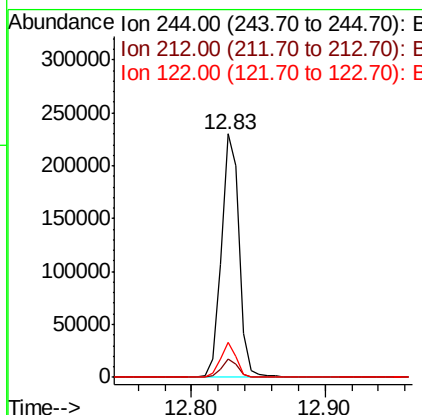
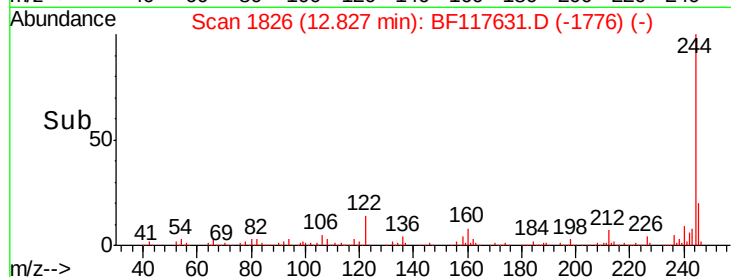
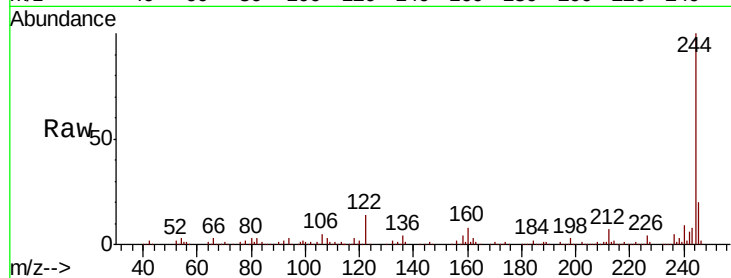
#79
 Terphenyl-d14
 Concen: 45.466 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117631.D
 Acq: 30 Oct 2019 18:12

Instrument :
 BNA_F
 ClientSampleId :
 608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	14.3	11.8	17.8

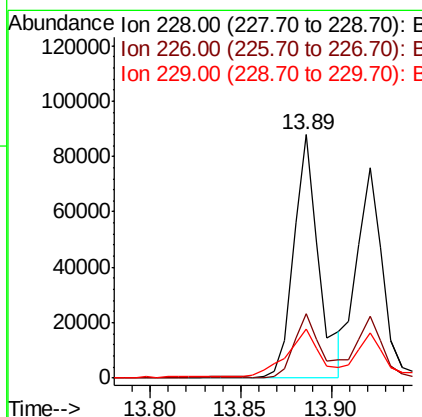
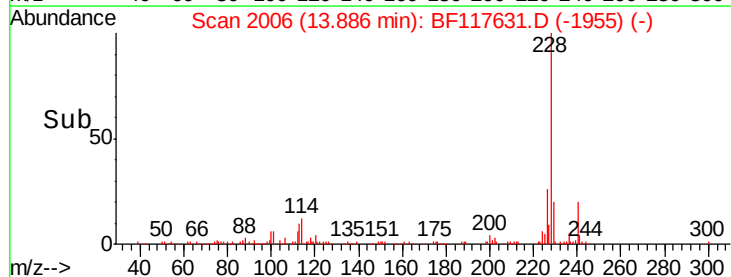
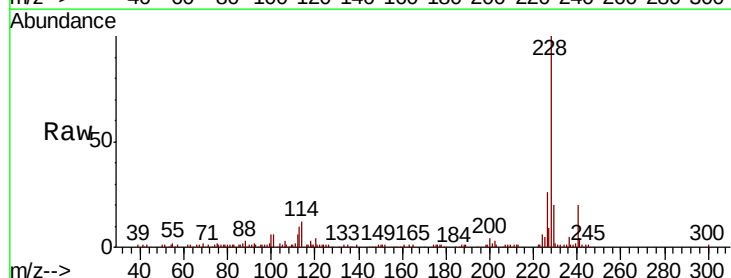
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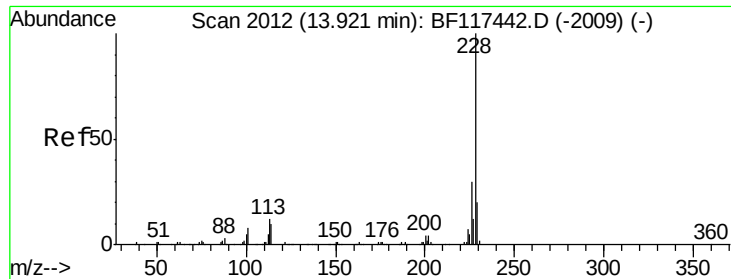
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#81
 Benzo(a)anthracene
 Concen: 16.356 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117631.D
 Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.4
229	20.2	16.4	24.6





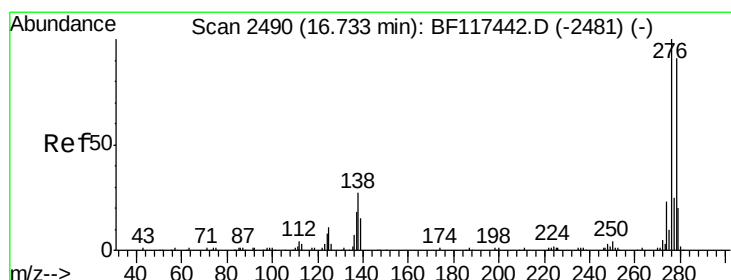
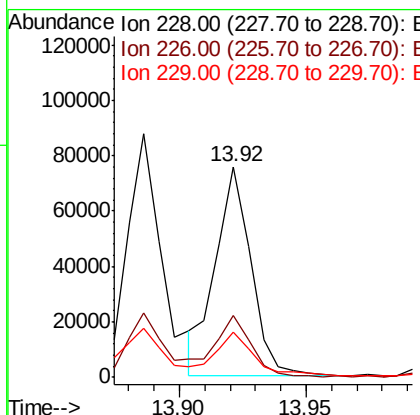
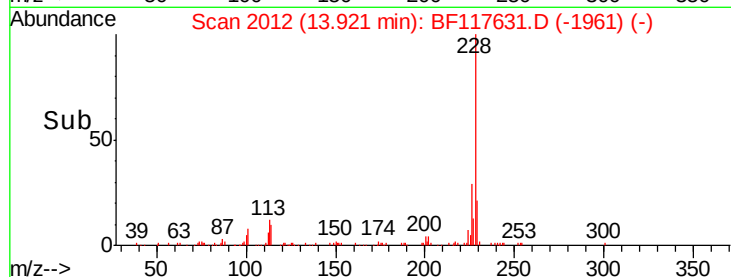
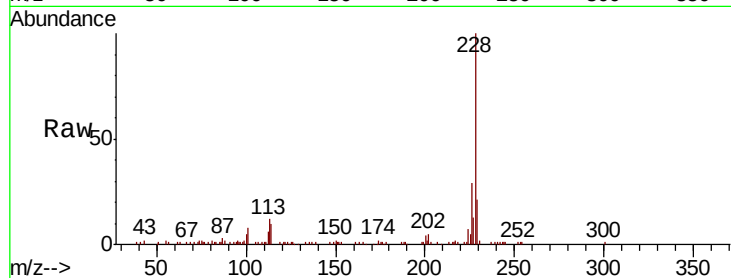
#83
Chrysene
Concen: 14.382 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	21.4	15.8	23.6

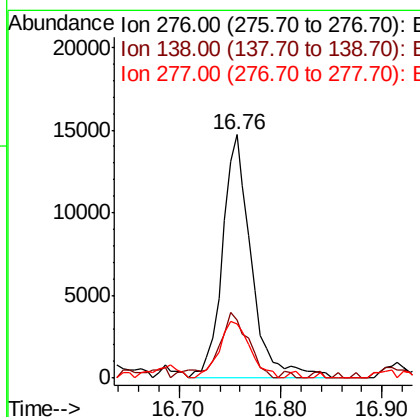
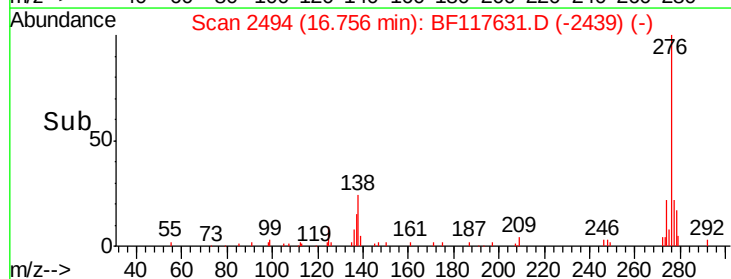
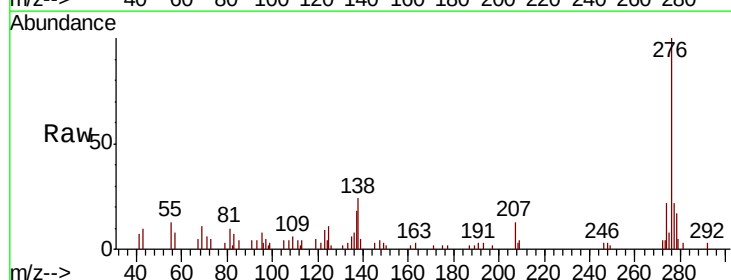
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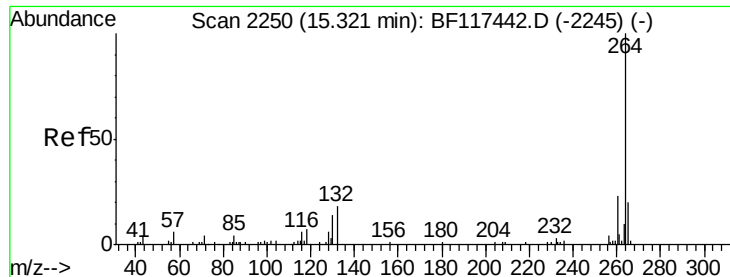
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.568 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.8
277	24.8	20.0	30.0





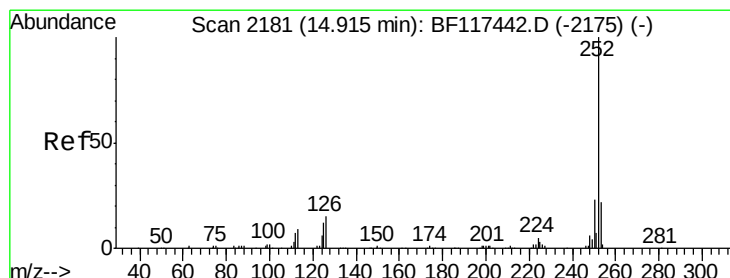
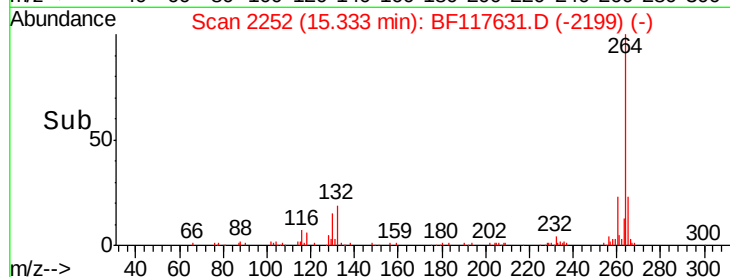
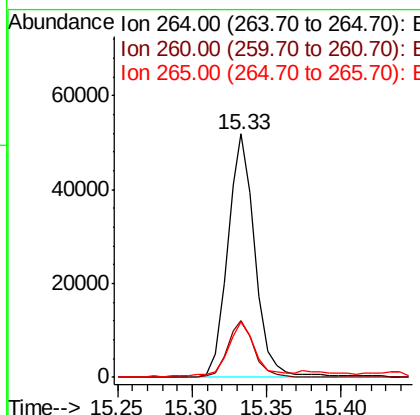
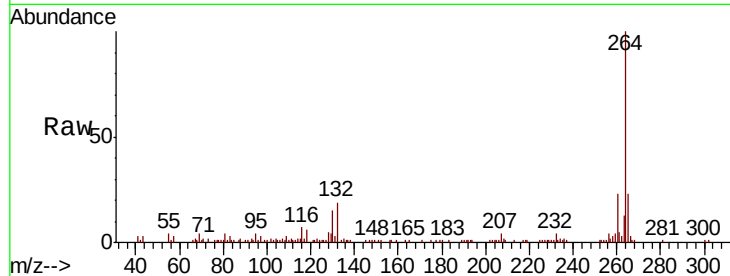
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	22.9	16.1	24.1

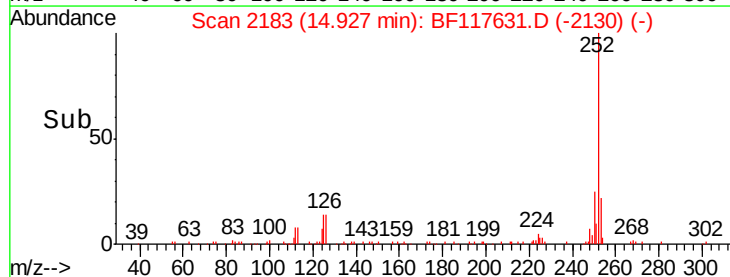
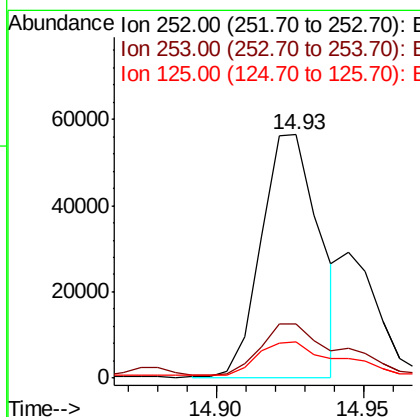
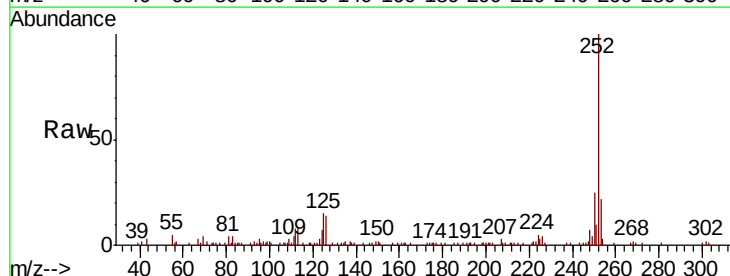
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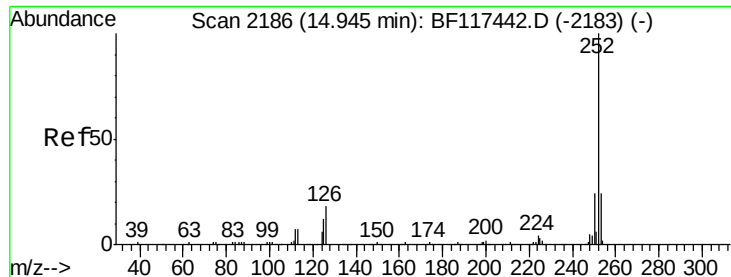
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#88
Benzo(b)fluoranthene
Concen: 19.991 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	14.7	9.9	14.9





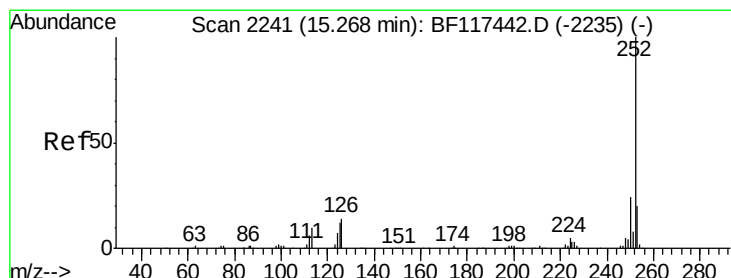
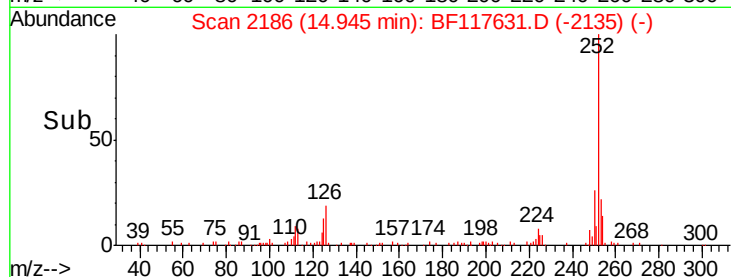
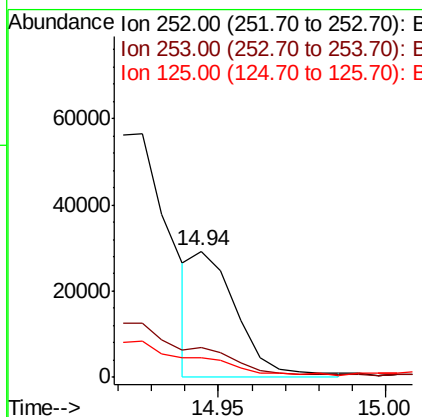
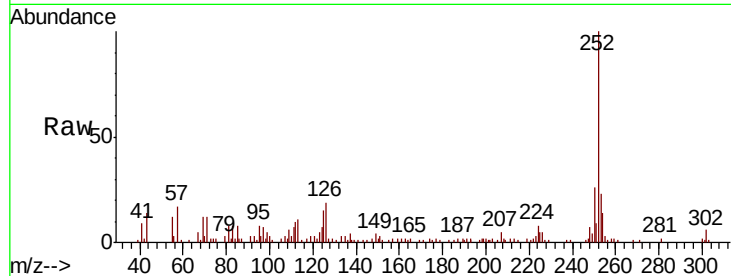
#89
Benzo(k)fluoranthene
Concen: 6.759 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.3	8.9	13.3

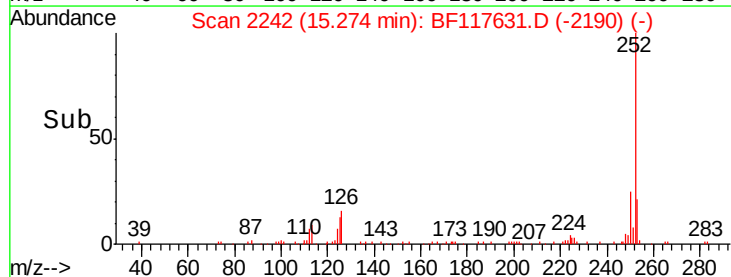
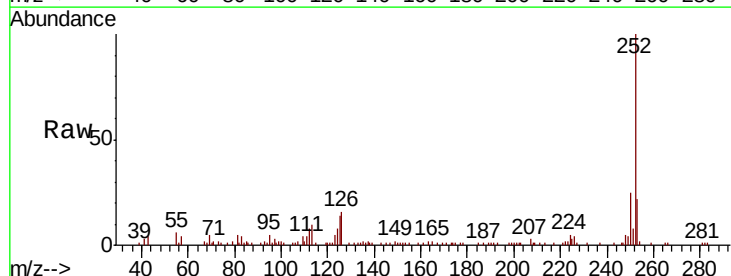
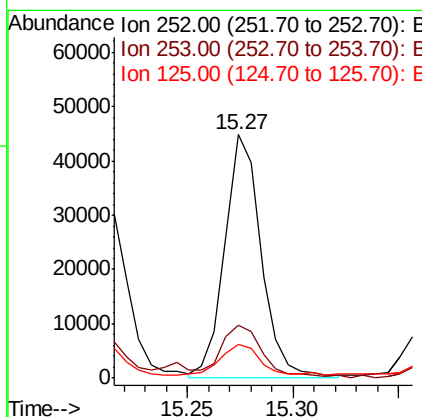
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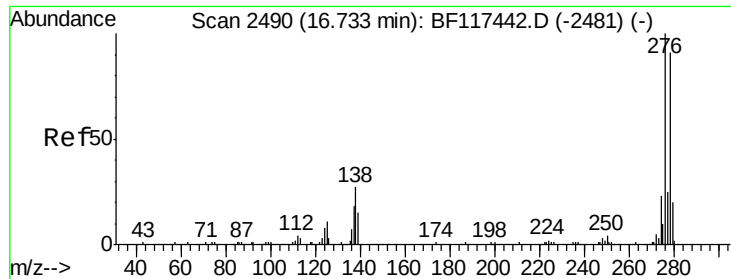
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#90
Benzo(a)pyrene
Concen: 15.160 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.3	24.5
125	14.0	9.2	13.8





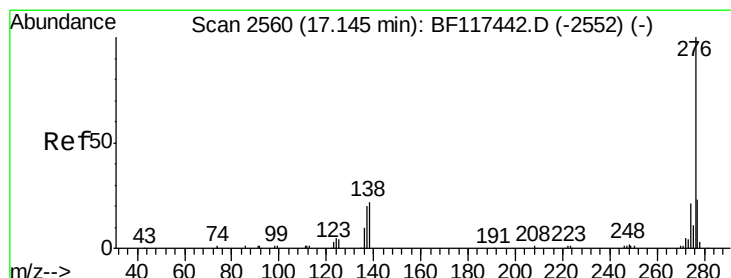
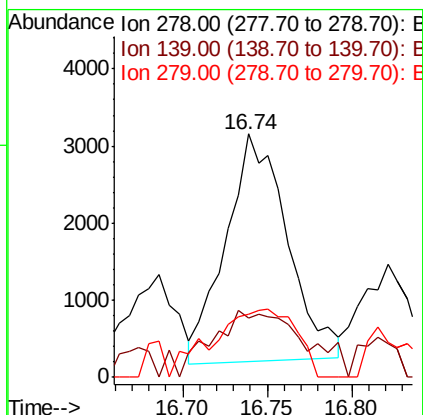
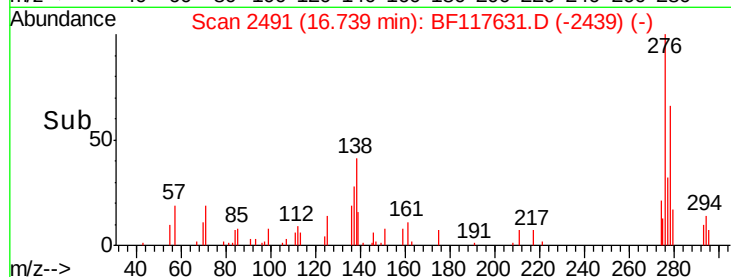
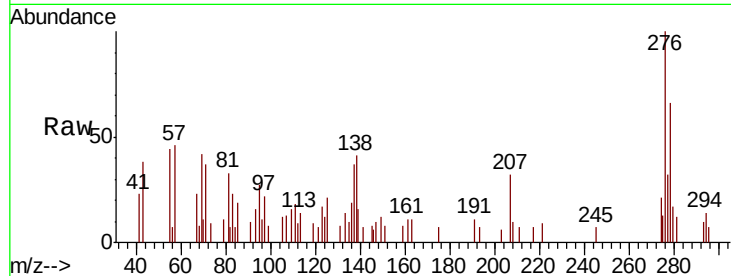
#91
Dibenzo(a,h)anthracene
Concen: 2.421 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Instrument :
BNA_F
ClientSampleId :
608-60-(0-1.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	13.4	20.0#
279	26.2	17.8	26.6

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#92
Benzo(g,h,i)perylene
Concen: 8.607 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117631.D
Acq: 30 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.4	27.6
138	25.4	17.8	26.6

