

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118076.D
 Acq On : 3 Dec 2019 21:44
 Operator : JU
 Sample : K6024-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2-(0.5-1.0)

Manual Integrations
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 12/4/2019 5:01:53 PM

Quant Time: Dec 04 01:34:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136245	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	537926	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	282319	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	523040	20.00	ng	0.00
76) Chrysene-d12	14.07	240	329993	20.00	ng	0.00
87) Perylene-d12	15.57	264	353366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	843849	109.63	ng	0.00
7) Phenol-d6	6.50	99	1066527	114.88	ng	0.00
23) Nitrobenzene-d5	7.44	82	649055	71.73	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	358392	119.91	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1121550	71.27	ng	0.00
79) Terphenyl-d14	13.01	244	1162390	64.38	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	239329	12.089	ng	99
71) Phenanthrene	11.45	178	607757	23.112	ng	99
72) Anthracene	11.49	178	93229	3.576	ng	98
73) Carbazole	11.65	167	56593	2.484	ng	98
75) Fluoranthene	12.64	202	816257	31.895	ng	99
78) Pyrene	12.87	202	702093	26.327	ng	100
81) Benzo(a)anthracene	14.06	228	301661	13.834	ng	97
83) Chrysene	14.10	228	289002	13.677	ng	98
86) Indeno(1,2,3-cd)pyrene	17.07	276	168802	9.386	ng	94
88) Benzo(b)fluoranthene	15.13	252	373679m	16.276	ng	
89) Benzo(k)fluoranthene	15.15	252	92661m	4.284	ng	
90) Benzo(a)pyrene	15.50	252	254185	12.591	ng	99
91) Dibenzo(a,h)anthracene	17.08	278	40881	2.353	ng	# 87
92) Benzo(a,h,i)perylene	17.53	276	160001	9.245	ng	98

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

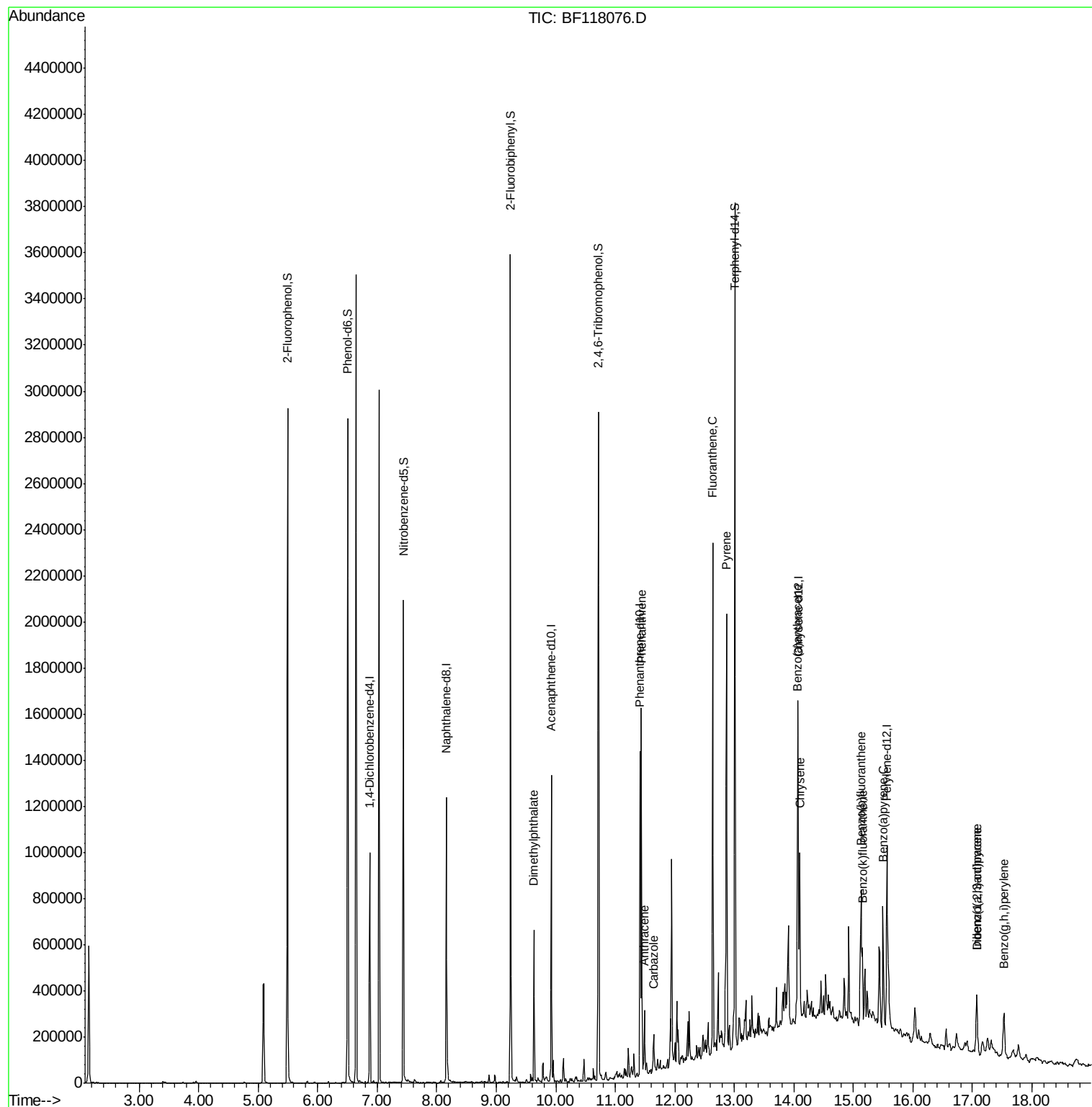
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118076.D
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Sample : K6024-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

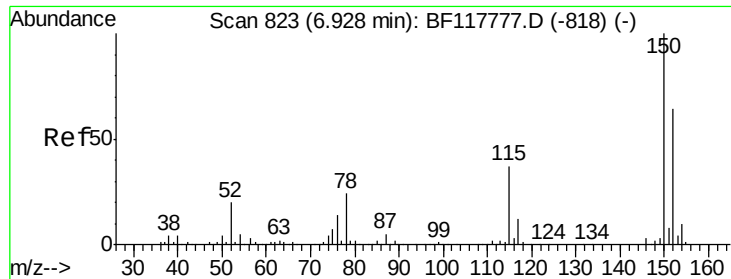
Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

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Quant Time: Dec 04 01:34:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

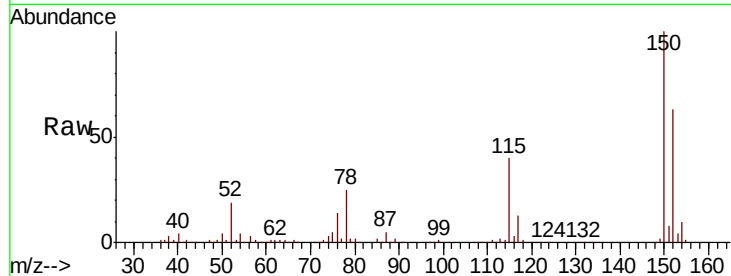
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.4	182.2
115	63.7	48.8	73.2

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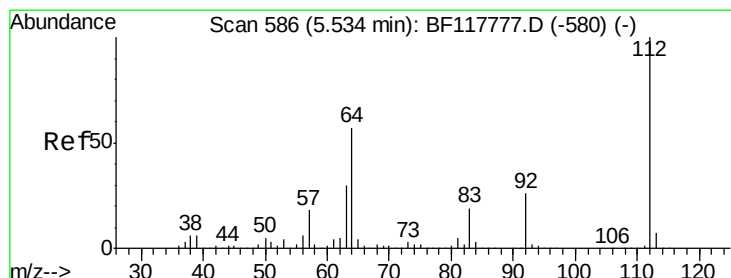
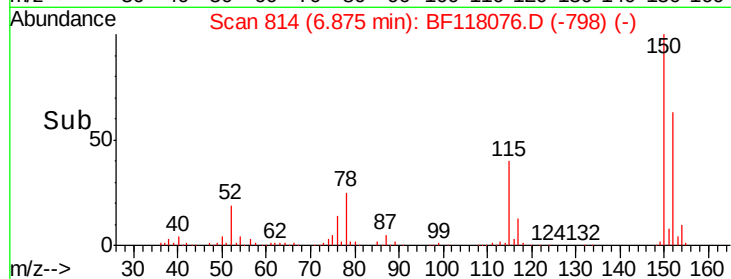
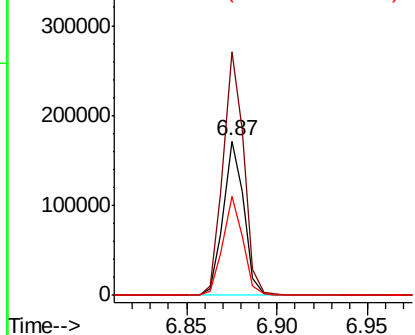


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

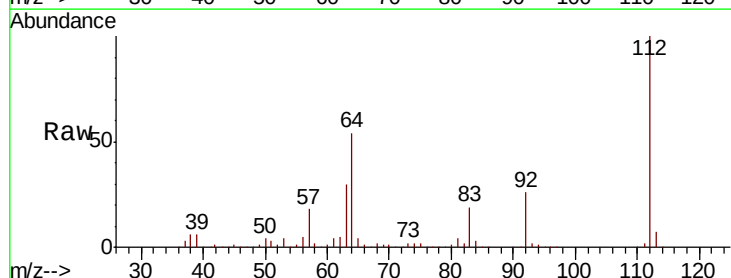
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.634 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	45.1	67.7
63	30.0	24.6	37.0

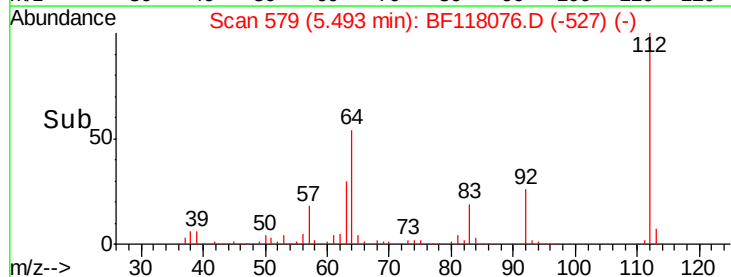
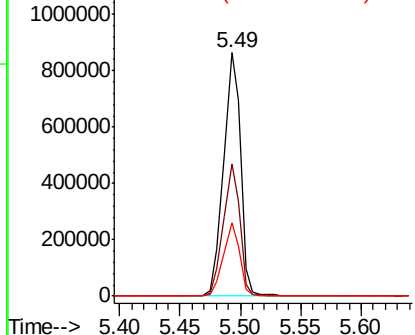


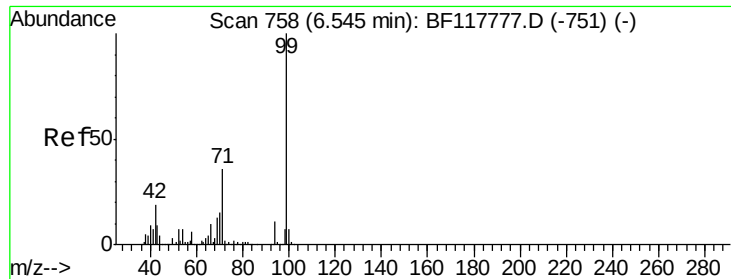
Abundance

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: 114.880 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Instrument :

BNA_F

ClientSampled :

B-2-(0.5-1.0)

Tot Ion: 99 Resp: 1066527

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

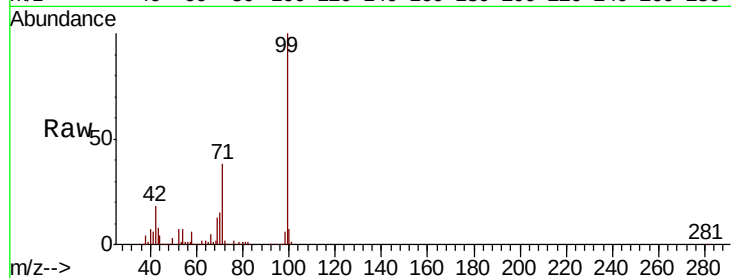
71 37.7 29.2 43.8

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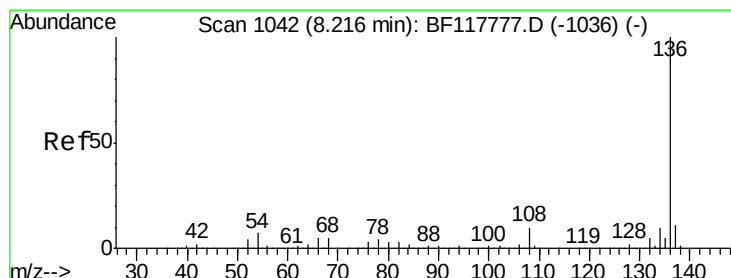
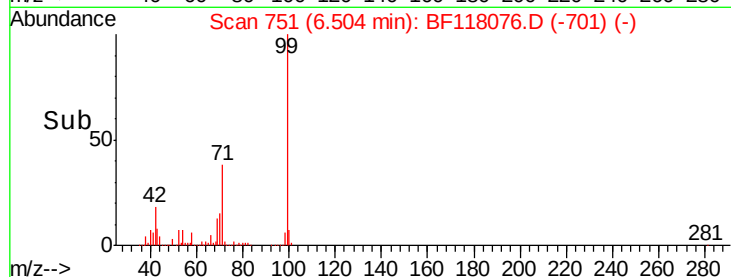
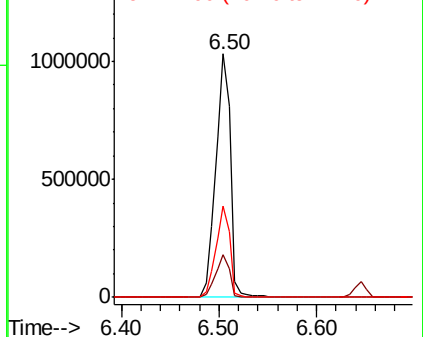
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Tgt Ion: 136 Resp: 537926

Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.0 4.9 7.3

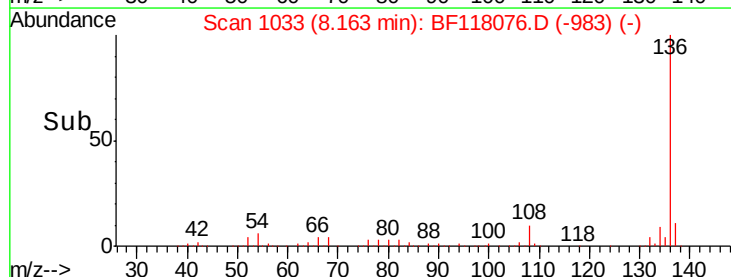
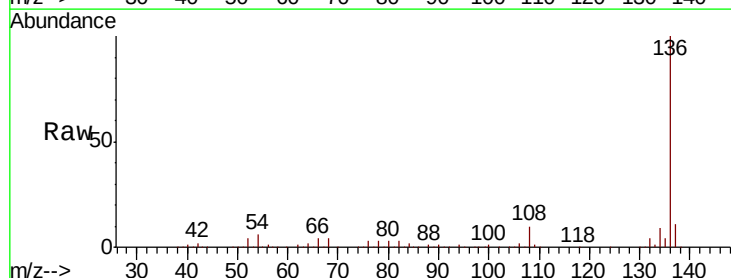
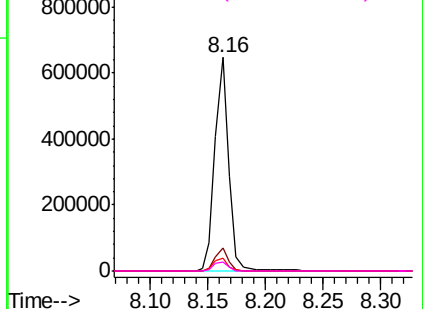
68 4.4 3.6 5.4

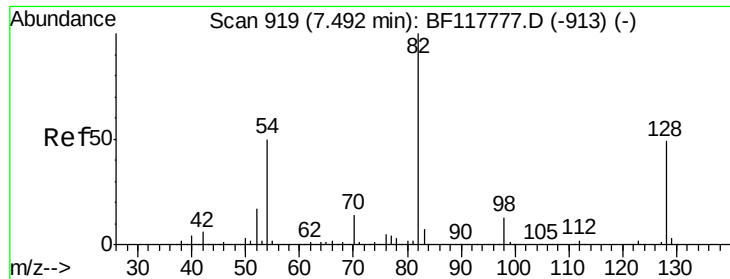
Abundance Ion 136.00 (135.70 to 136.70): E

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





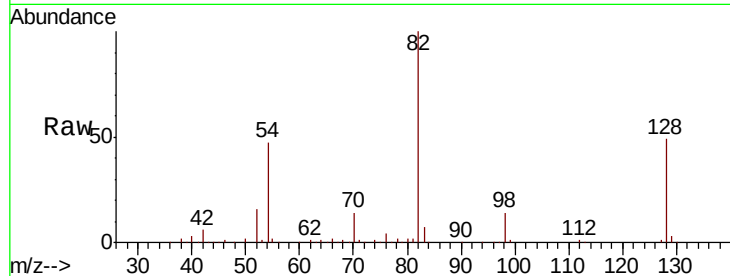
#23
Nitrobenzene-d5
Concen: 71.727 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

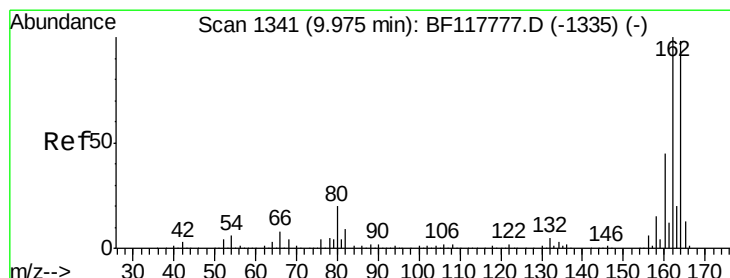
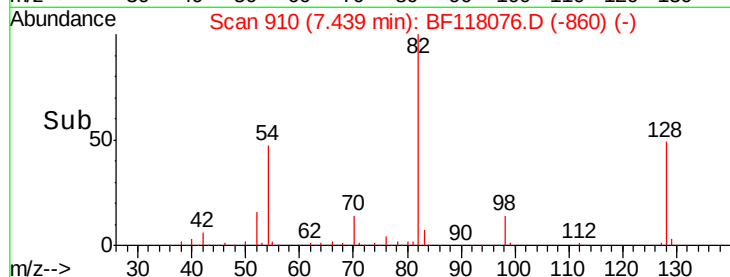
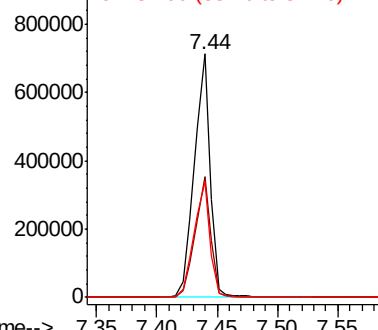
Tot Ion	Ratio	Resp	Lower	Upper
82	100	649055		
128	49.4		38.2	57.4
54	47.4		39.0	58.4

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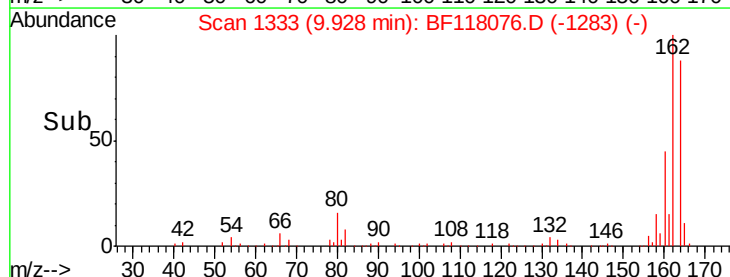
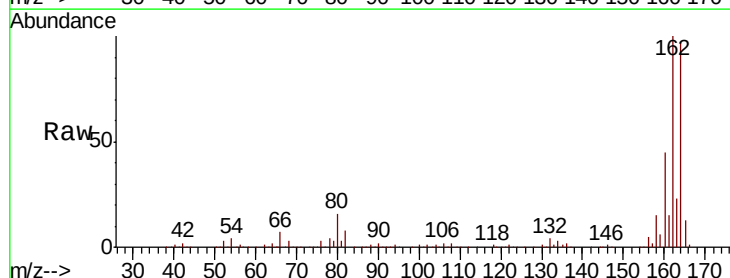
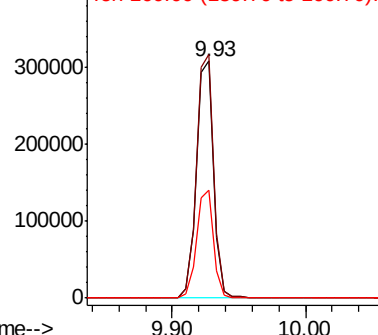
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

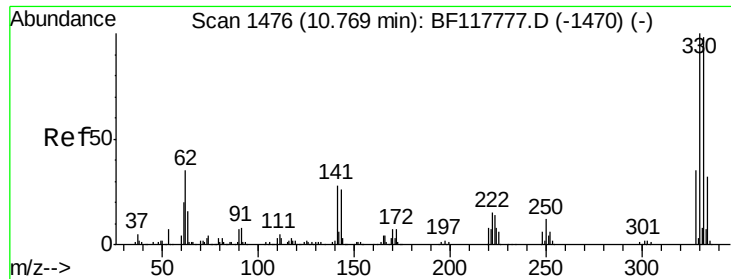


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	282319		
162	102.9		81.8	122.8
160	45.8		35.9	53.9

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: 119.908 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Instrument :

BNA_F

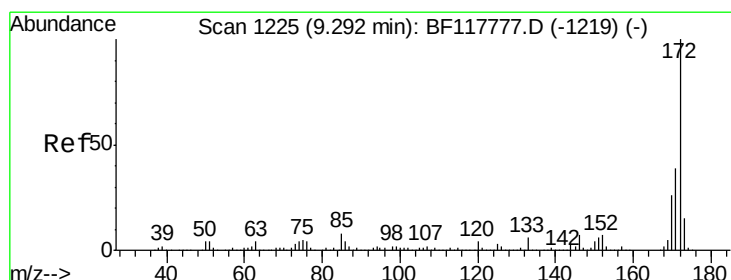
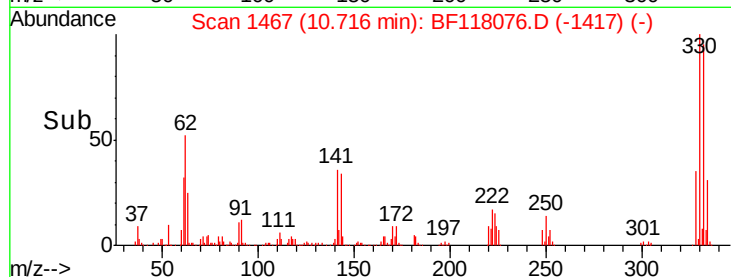
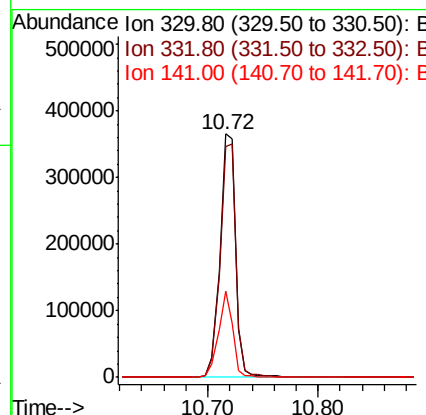
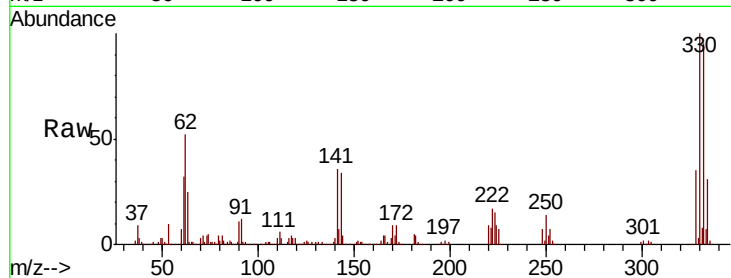
ClientSampleId :

B-2-(0.5-1.0)

Tot Ion:	330	Resp:	358392
Ion Ratio	Lower	Upper	
330	100		
332	96.6	78.3	117.5
141	32.4	26.4	39.6

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#45

2-Fluorobiphenyl

Concen: 71.270 ng

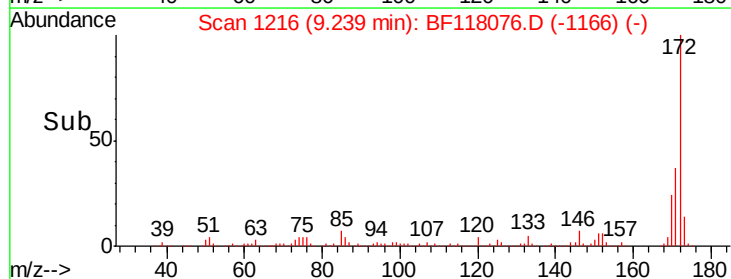
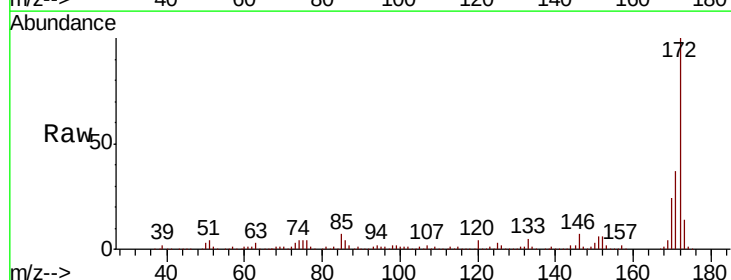
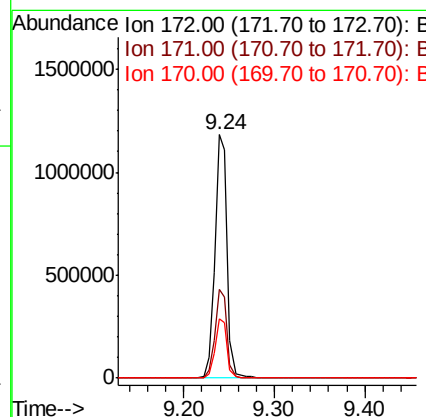
RT: 9.24 min Scan# 1216

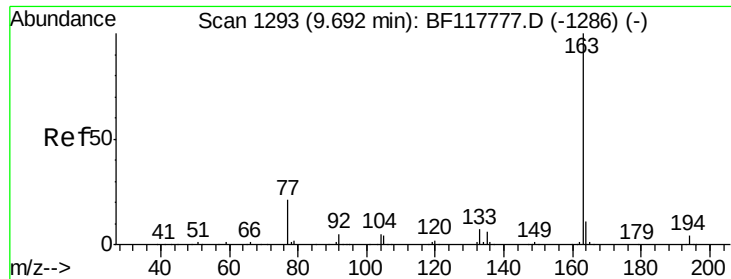
Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Tgt Ion:	172	Resp:	1121550
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.2	43.8
170	24.3	19.3	28.9





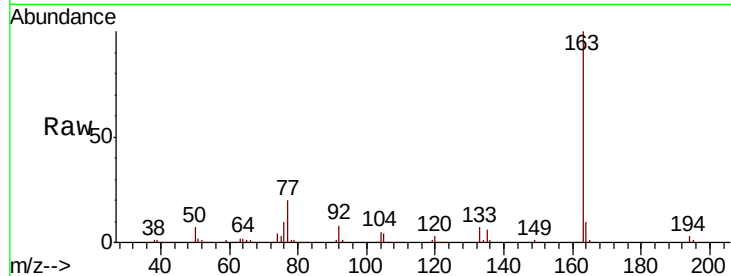
#50
Dimethylphthalate
Concen: 12.089 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

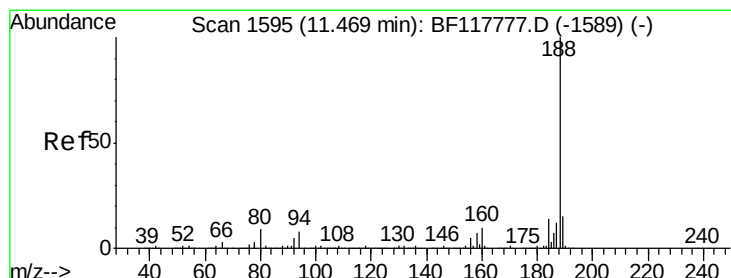
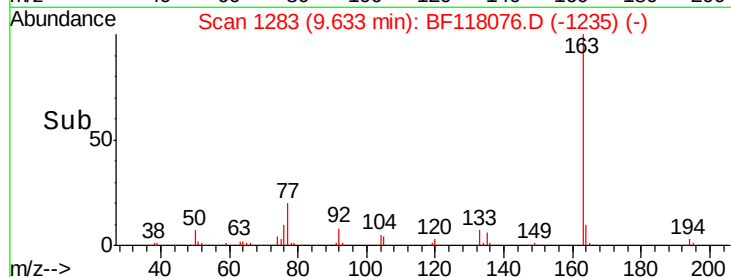
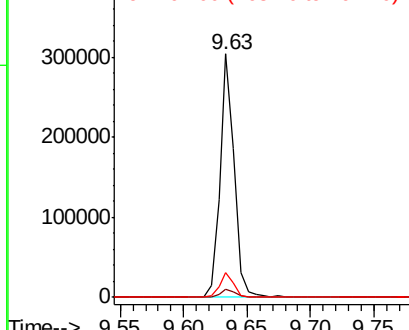
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		239329		
194	3.4		3.1	4.7	
164	10.0		7.9	11.9	

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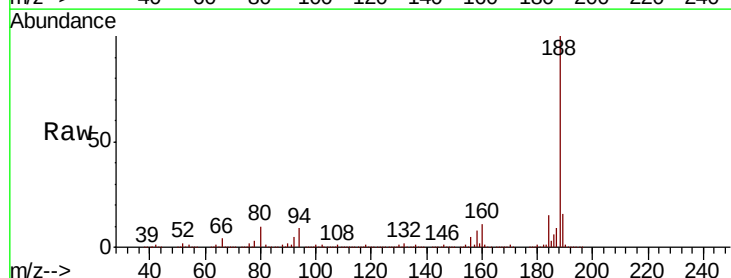


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

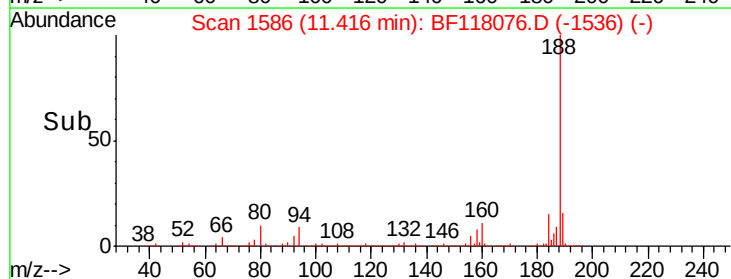
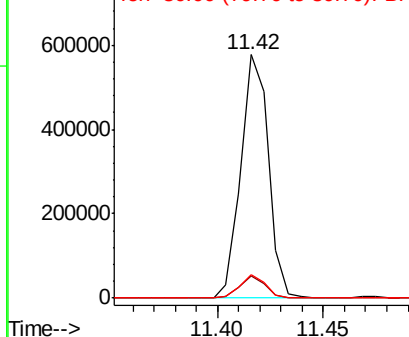


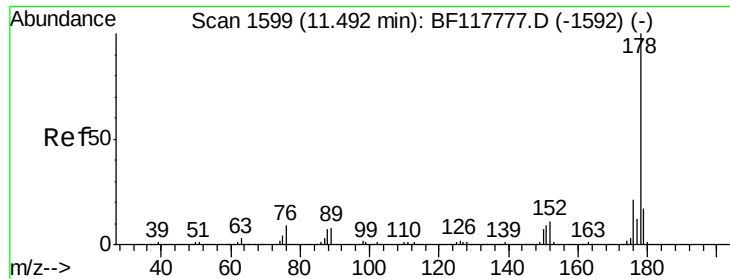
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		523040		
94	8.9		7.0	10.6	
80	9.6		7.2	10.8	



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





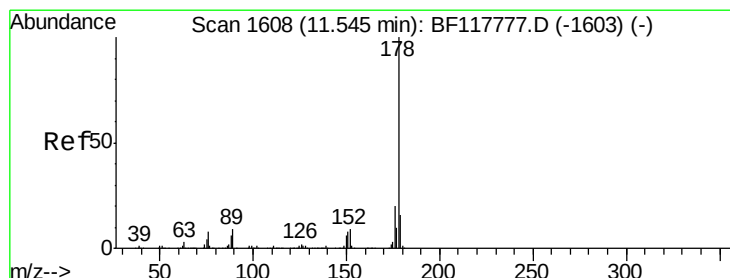
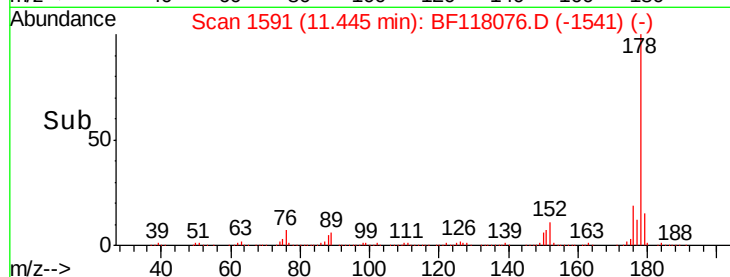
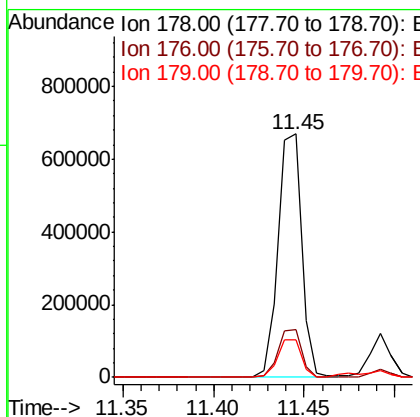
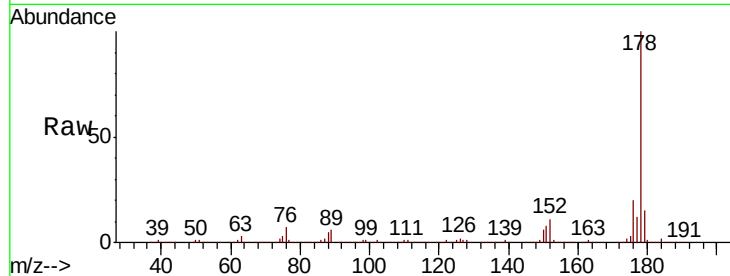
#71
Phenanthrene
Concen: 23.112 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.2	12.3	18.5

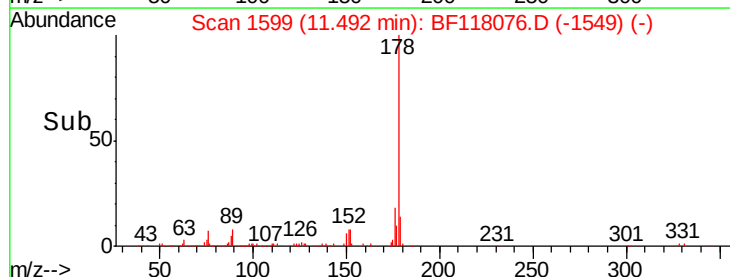
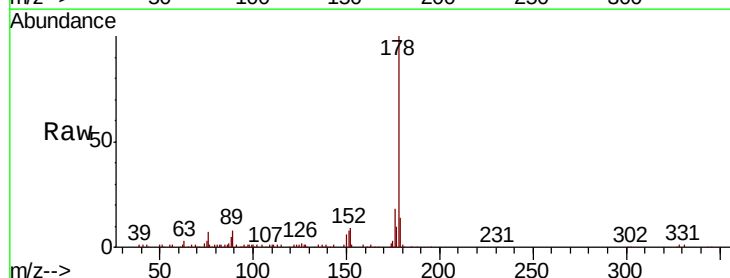
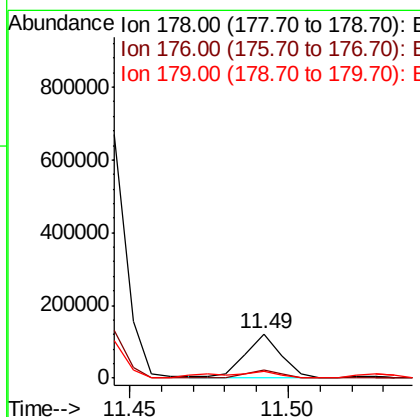
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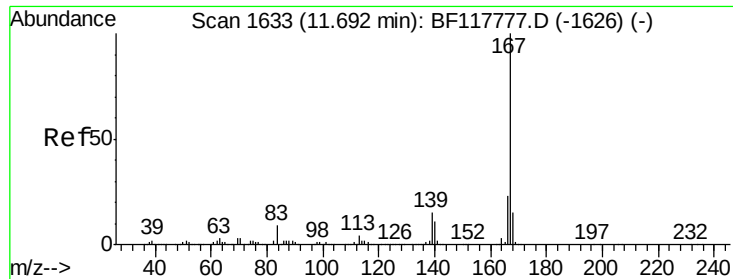
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#72
Anthracene
Concen: 3.576 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	14.3	12.8	19.2





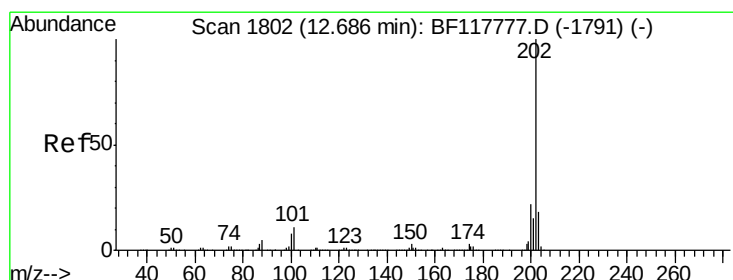
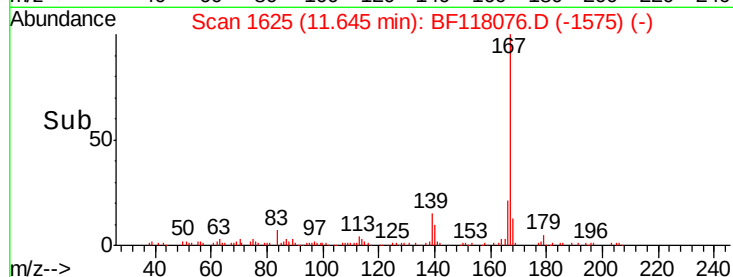
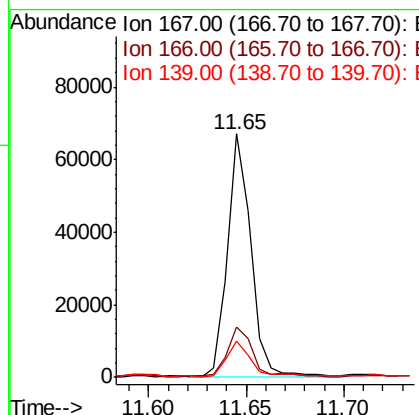
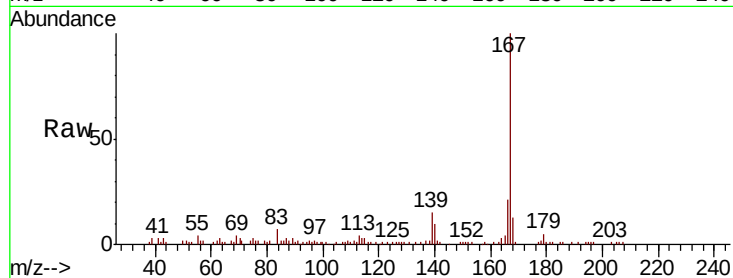
#73
 Carbazole
 Concen: 2.484 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF118076.D
 Acq: 3 Dec 2019 21:44

Instrument :
 BNA_F
 ClientSampleId :
 B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.6	26.4
139	14.8	11.5	17.3

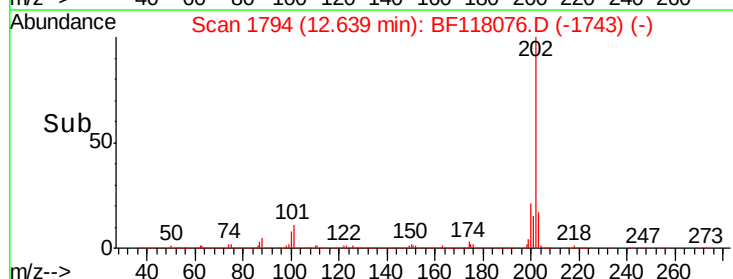
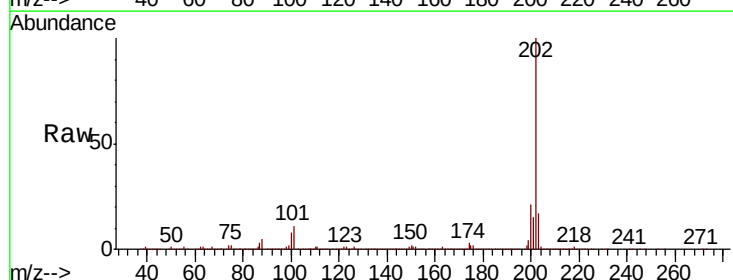
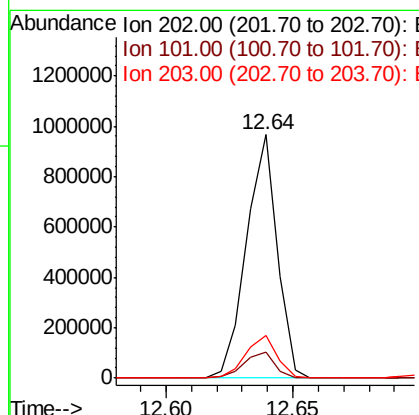
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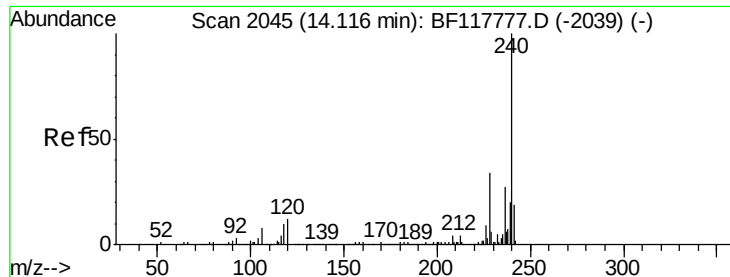
mohammad
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#75
 Fluoranthene
 Concen: 31.895 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: BF118076.D
 Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.5
203	17.5	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Instrument :

BNA_F

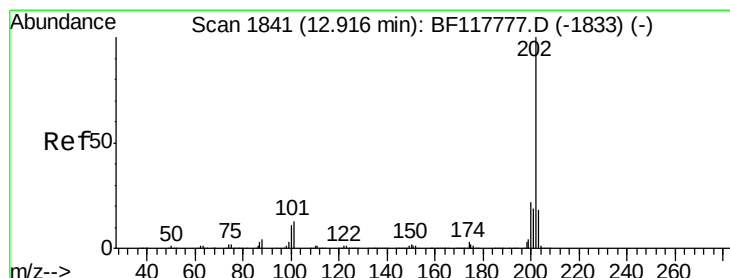
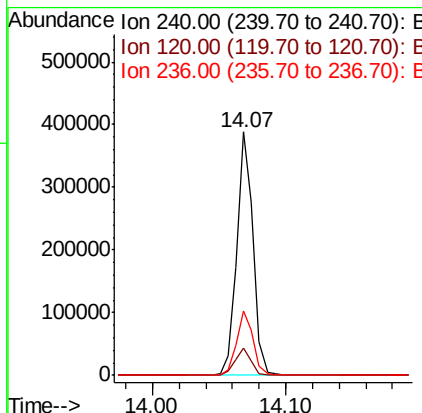
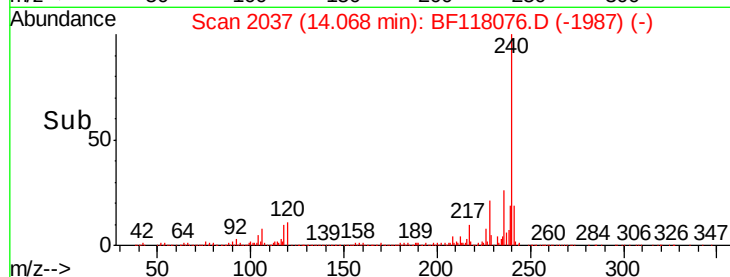
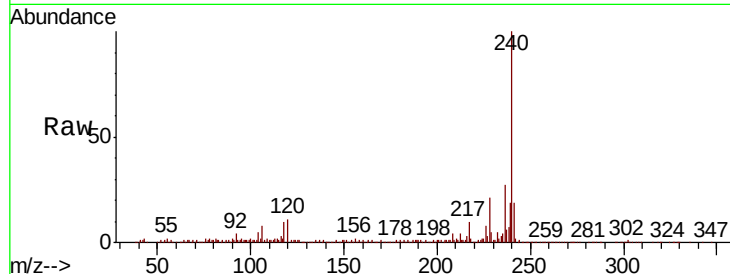
ClientSampleId :

B-2-(0.5-1.0)

Tot Ion:	240	Resp:	329993
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.4	12.6
236	26.6	20.6	31.0

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#78

Pyrene

Concen: 26.327 ng

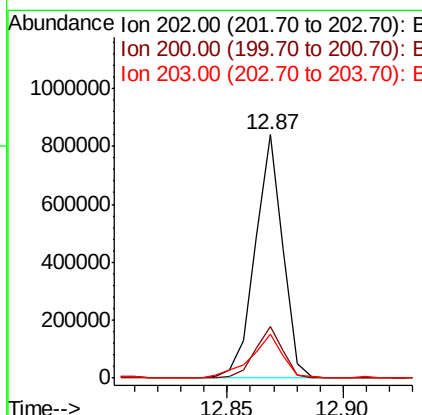
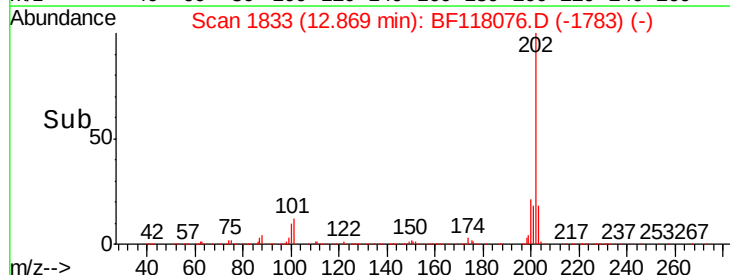
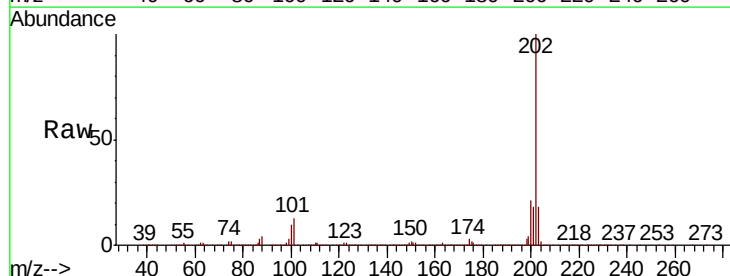
RT: 12.87 min Scan# 1833

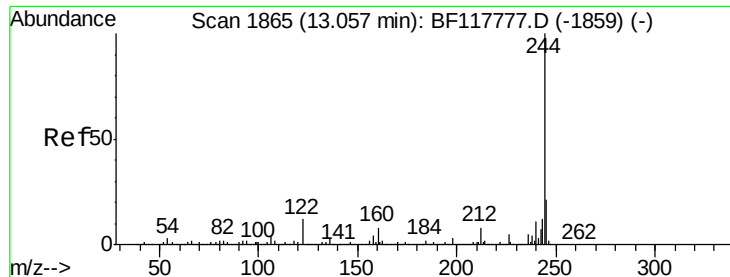
Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Tgt Ion:	202	Resp:	702093
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.0	25.6
203	18.0	14.2	21.4





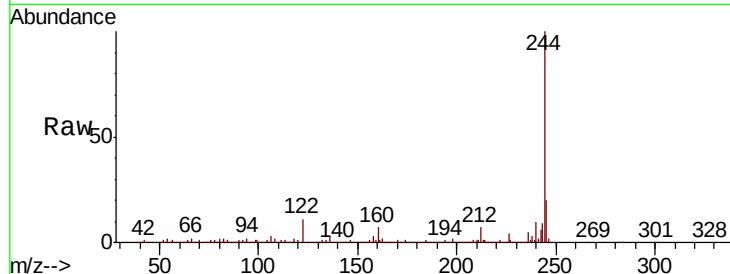
#79
 Terphenyl-d14
 Concen: 64.377 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BF118076.D
 Acq: 3 Dec 2019 21:44

Instrument :
 BNA_F
 ClientSampleId :
 B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.2	7.8
122	10.6	7.2	10.8

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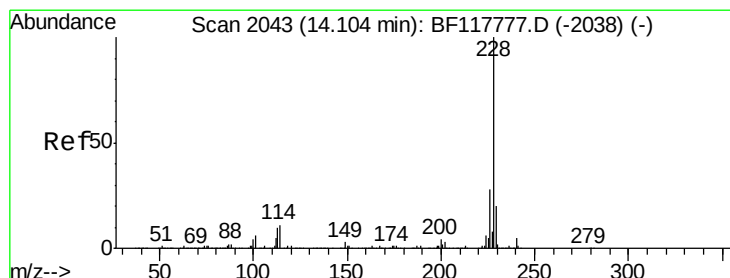
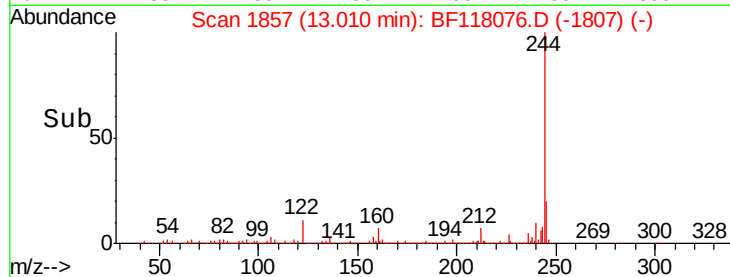
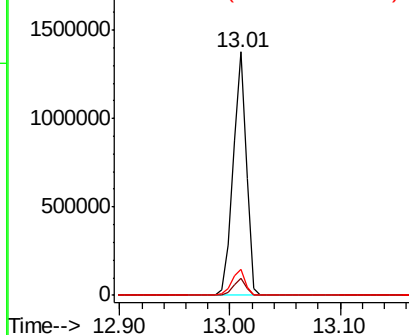


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 13.834 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118076.D
 Acq: 3 Dec 2019 21:44

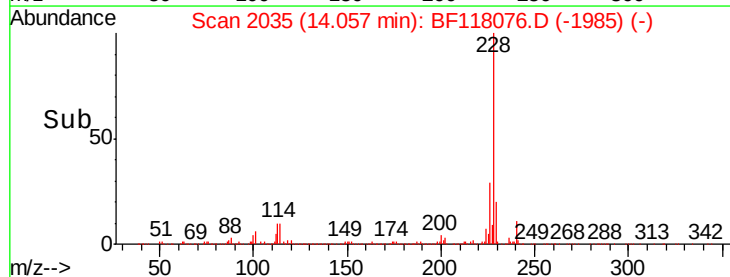
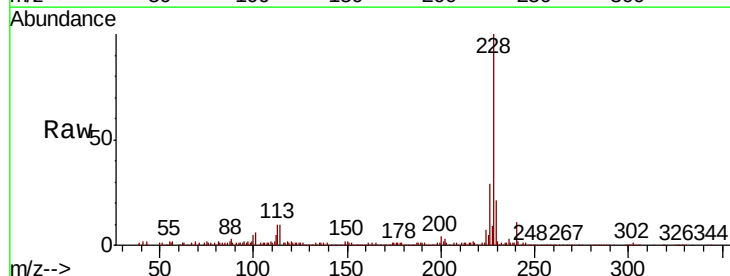
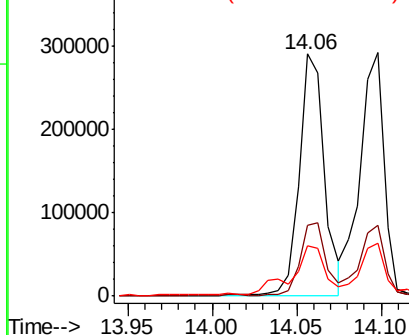
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.9	32.9
229	20.8	16.2	24.2

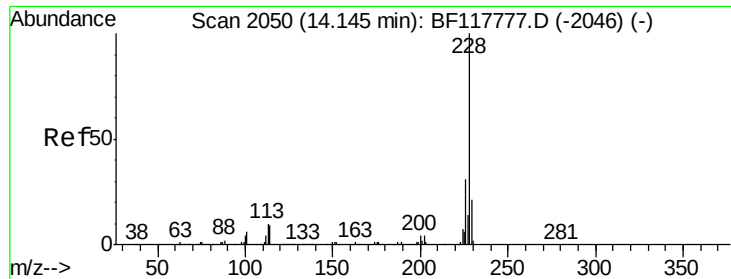
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.677 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Instrument :

BNA_F

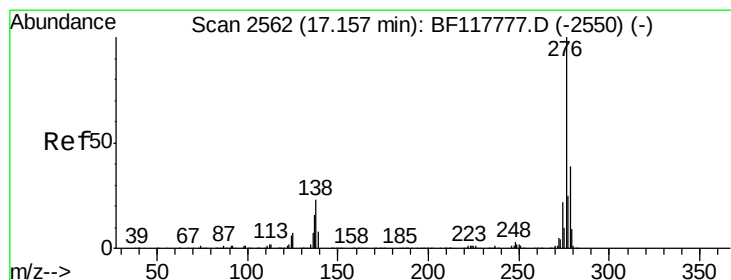
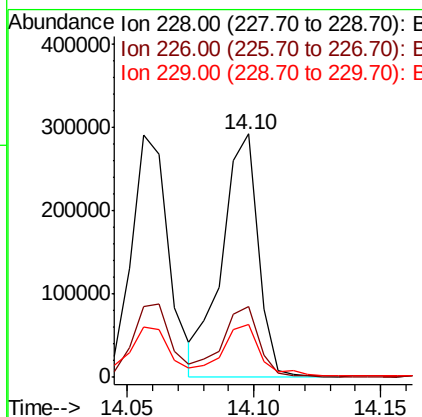
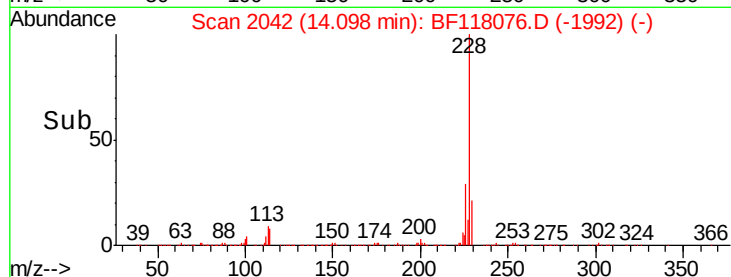
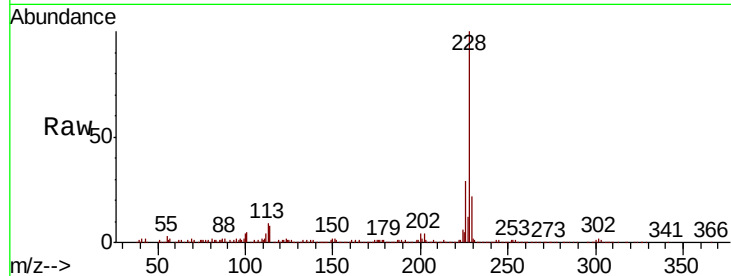
ClientSampleId :

B-2-(0.5-1.0)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		289002		
226	29.3		23.6	35.4	
229	22.0		16.2	24.2	

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#86

Indeno(1,2,3-cd)pyrene

Concen: 9.386 ng

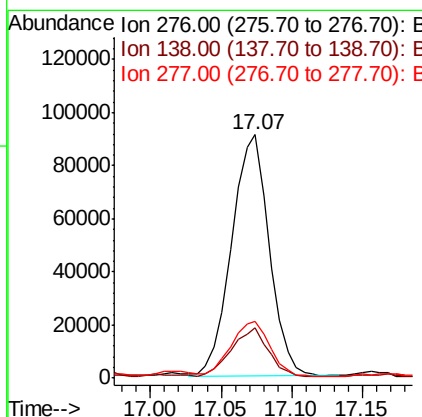
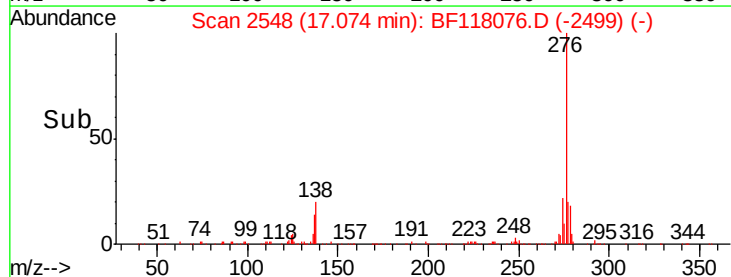
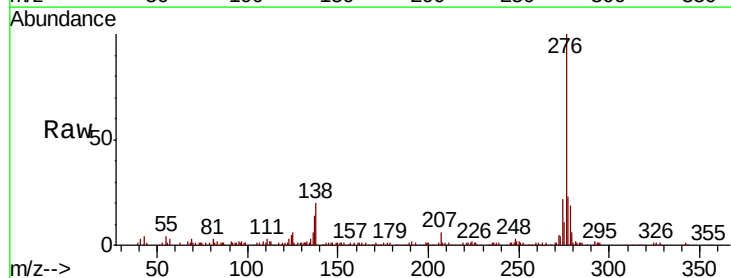
RT: 17.07 min Scan# 2548

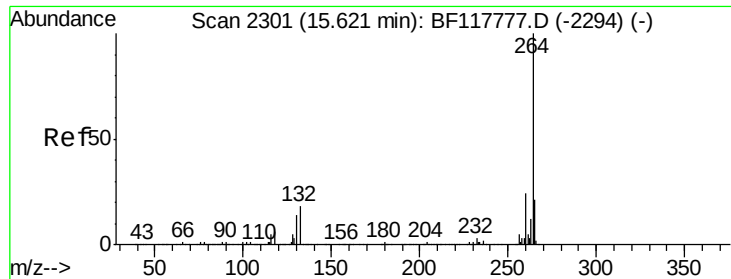
Delta R.T. -0.01 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		168802		
138	19.9		19.0	28.6	
277	24.1		20.7	31.1	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Instrument :

BNA_F

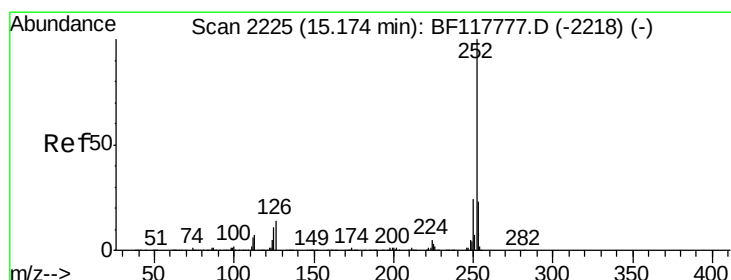
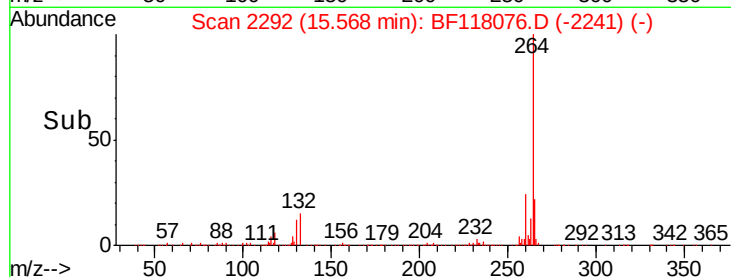
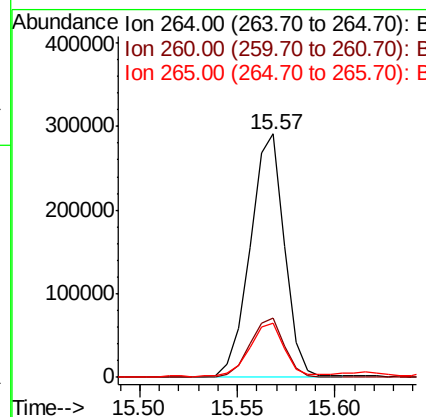
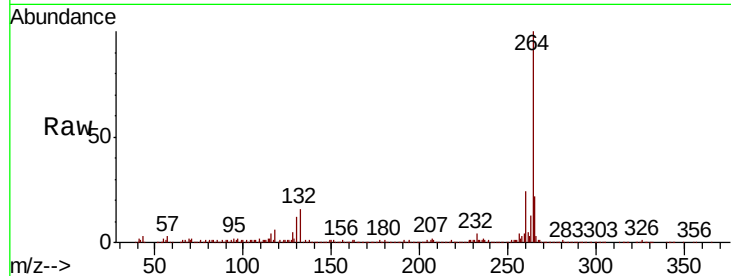
ClientSampleId :

B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	22.1	16.4	24.6

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#88

Benzo(b)fluoranthene

Concen: 16.276 ng m

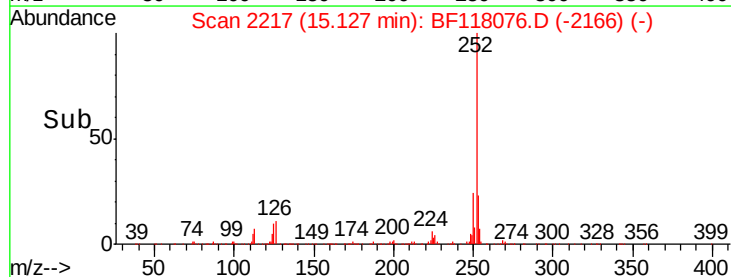
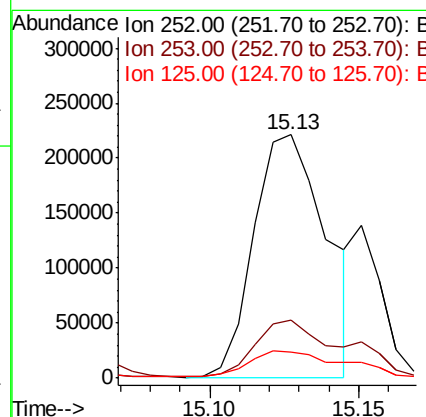
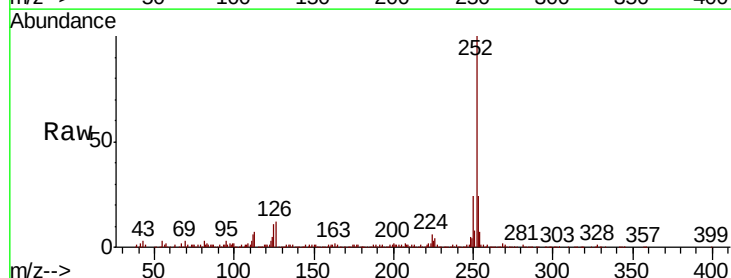
RT: 15.13 min Scan# 2217

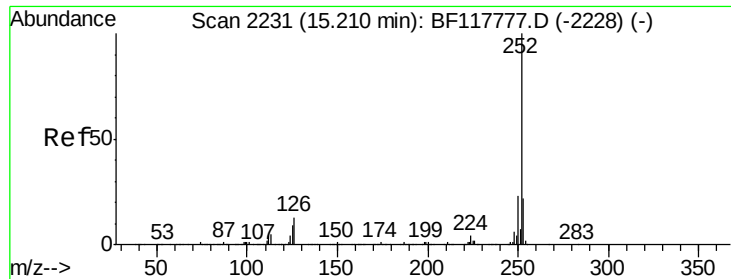
Delta R.T. 0.00 min

Lab File: BF118076.D

Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	10.8	7.7	11.5





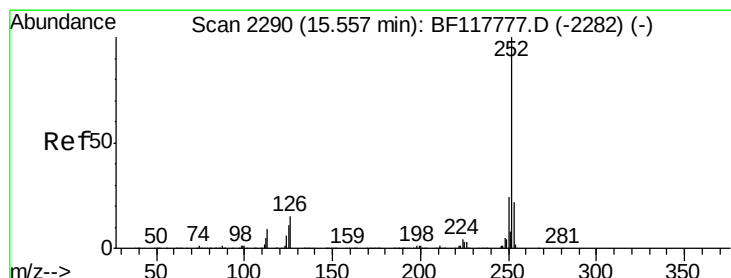
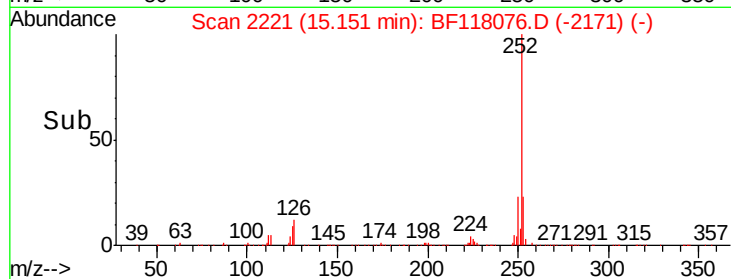
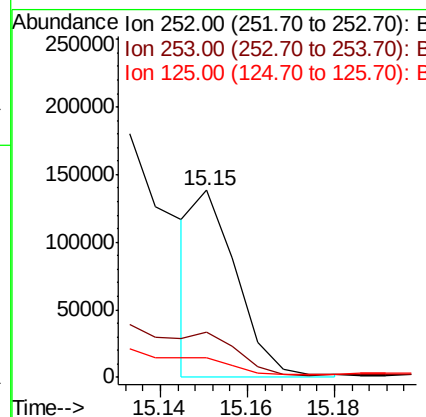
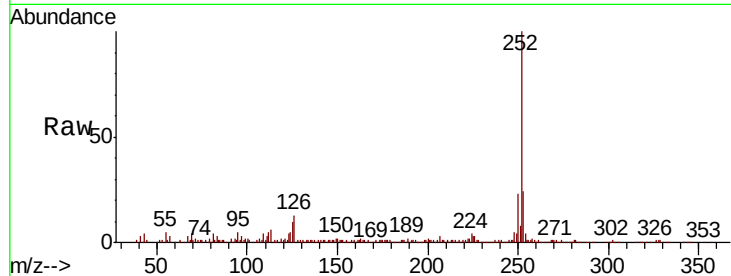
#89
Benzo(k)fluoranthene
Concen: 4.284 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	10.4	8.5	12.7

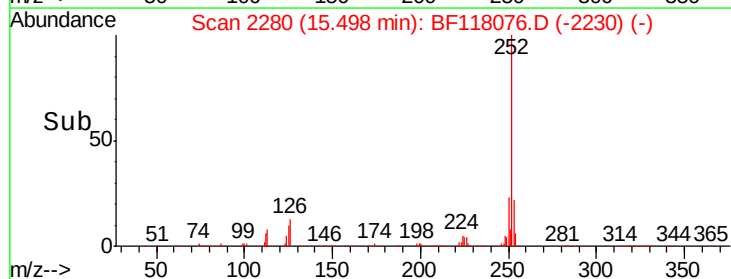
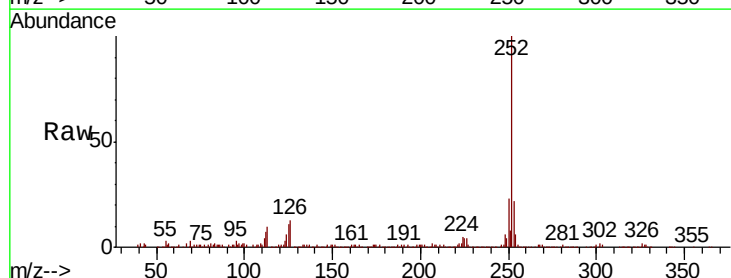
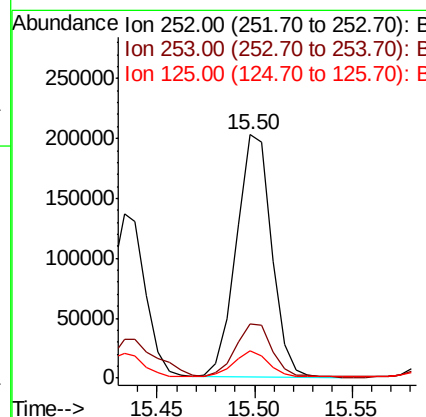
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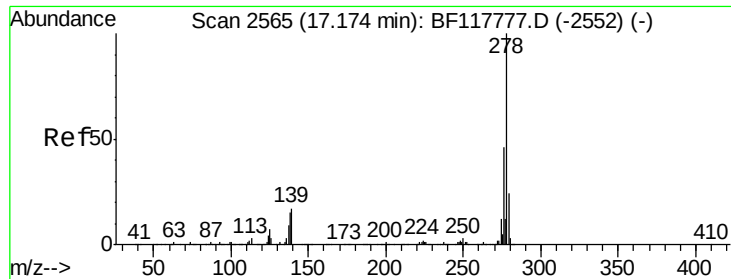
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#90
Benzo(a)pyrene
Concen: 12.591 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.3	8.9	13.3





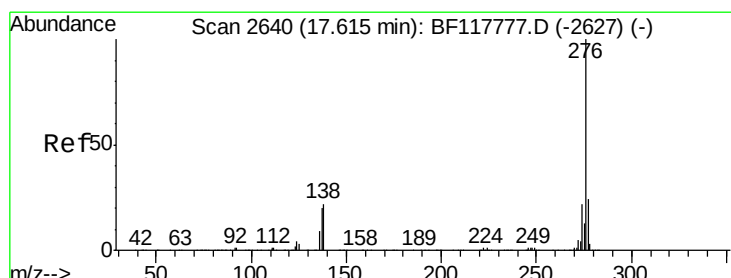
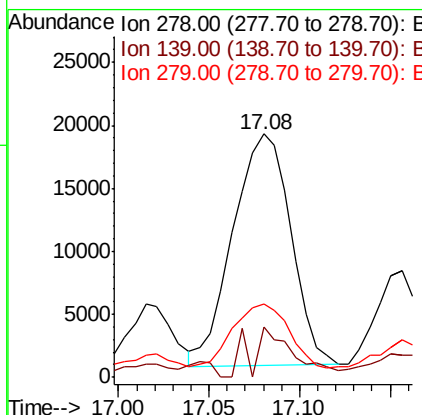
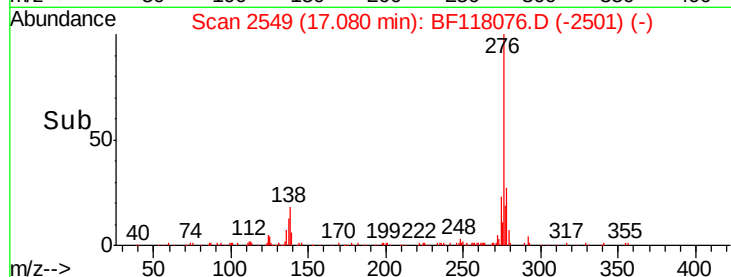
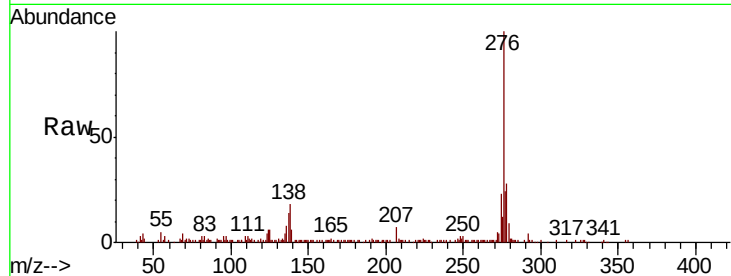
#91
Dibenzo(a,h)anthracene
Concen: 2.353 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :
B-2-(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.6	12.2	18.4#
279	30.2	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 9.245 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF118076.D
Acq: 3 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	19.6	16.6	25.0

