

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
 Data File : BF118509.D
 Acq On : 8 Jan 2020 20:17
 Operator : JU
 Sample : L1049-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Jan 09 03:49:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	67479	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	273195	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	142458	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	254893	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	186103	20.00	ng	-0.01
87) Perylene-d12	15.51	264	199951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	472136	115.50	ng	0.00
7) Phenol-d6	6.47	99	605717	123.94	ng	0.00
23) Nitrobenzene-d5	7.39	82	358182	68.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	204700	121.77	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	780062	78.53	ng	-0.01
79) Terphenyl-d14	12.96	244	681327	58.02	ng	0.00
Target Compounds						
10) Phenol	6.48	94	12192	2.251	ng	Qvalue 89
31) Naphthalene	8.13	128	48968	3.427	ng	98
50) Dimethylphthalate	9.59	163	47283	4.324	ng	99
52) Acenaphthene	9.91	154	30870	3.686	ng	97
55) Dibenzofuran	10.08	168	30265	2.406	ng	96
58) Fluorene	10.43	166	32272	3.192	ng	99
71) Phenanthrene	11.39	178	303479	21.254	ng	99
72) Anthracene	11.45	178	81060	5.706	ng	99
73) Carbazole	11.60	167	27611	2.244	ng	# 96
75) Fluoranthene	12.59	202	270317	18.626	ng	98
78) Pyrene	12.82	202	218575	14.275	ng	99
81) Benzo(a)anthracene	14.02	228	107243	8.233	ng	97
83) Chrysene	14.05	228	90418	7.143	ng	94
86) Indeno(1,2,3-cd)pyrene	17.01	276	39936	3.919	ng	96
88) Benzo(b)fluoranthene	15.07	252	129707m	8.972	ng	
90) Benzo(a)pyrene	15.45	252	77773	6.565	ng	96
92) Benzo(a,h,i)perylene	17.47	276	41429	3.936	ng	# 90

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

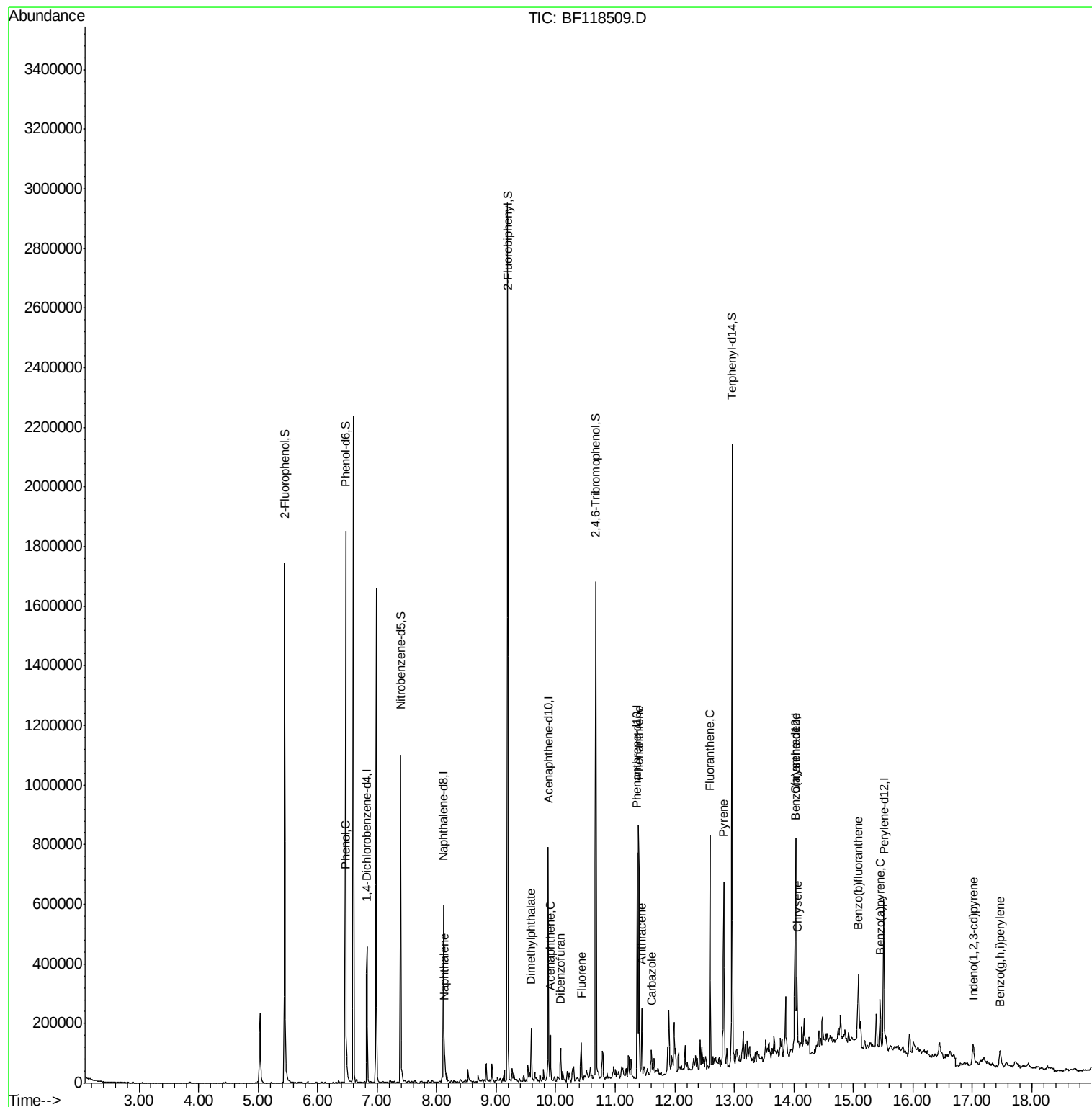
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118509.D
Acq On : 8 Jan 2020 20:17
Operator : JU
Sample : L1049-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

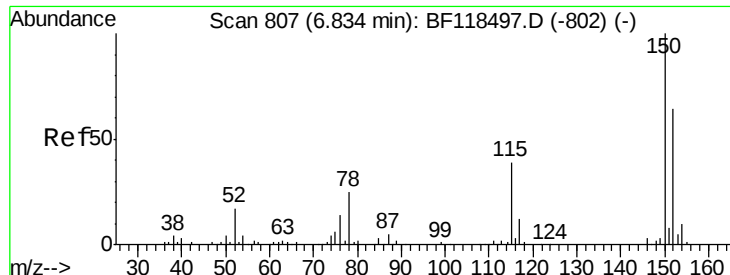
Instrument :
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TP-4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
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#1

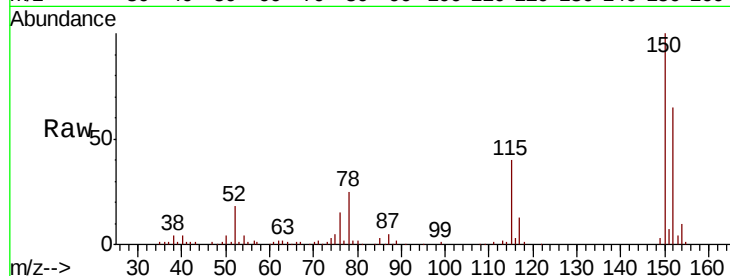
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.7	187.1
115	61.1	49.0	73.6

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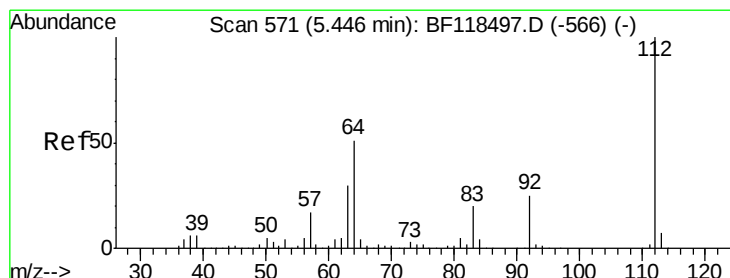
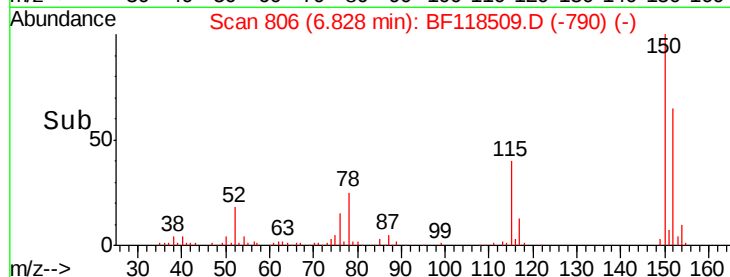
Abundance

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

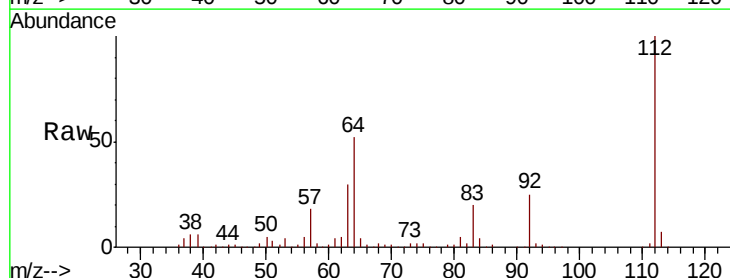
Time-->



#5

2-Fluorophenol
 Concen: 115.499 ng
 RT: 5.45 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.1	61.7
63	29.6	24.1	36.1



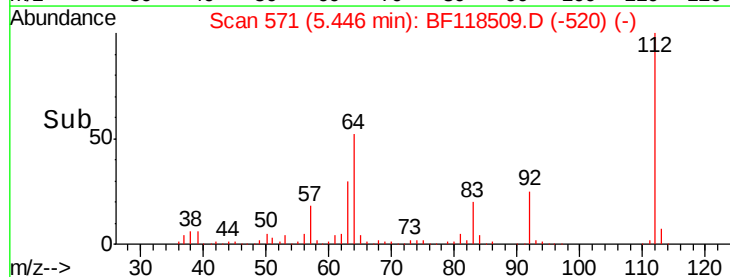
Abundance

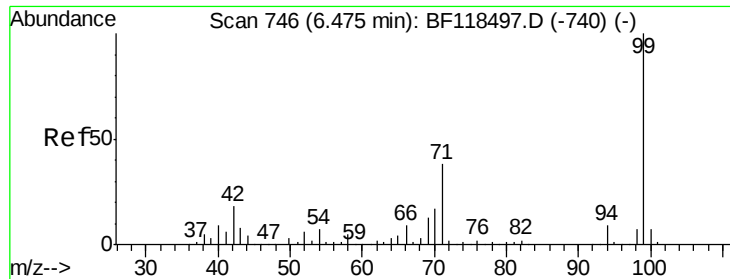
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 123.940 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Instrument :

BNA_F

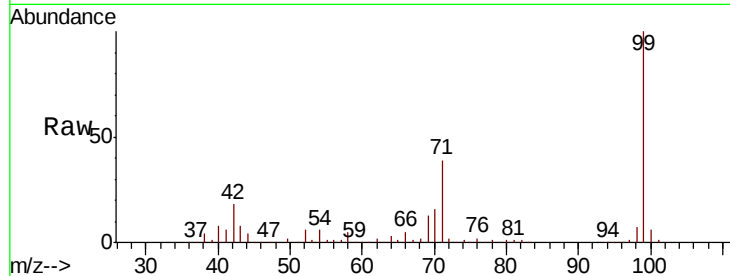
ClientSampled :

TP-4

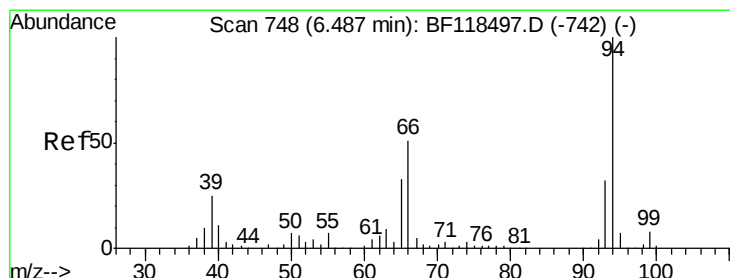
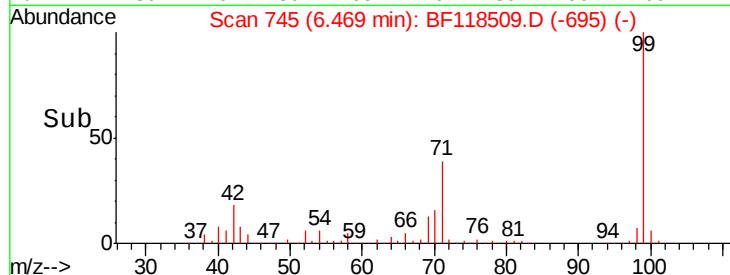
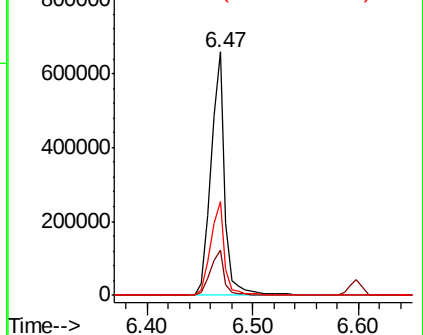
Tot Ion:	99	Resp:	605717
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	38.5	30.6	45.8

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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



#10

Phenol

Concen: 2.251 ng

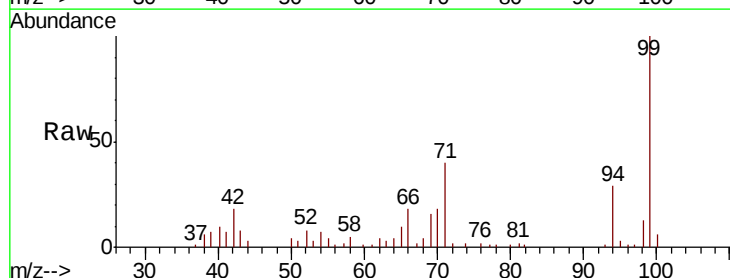
RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

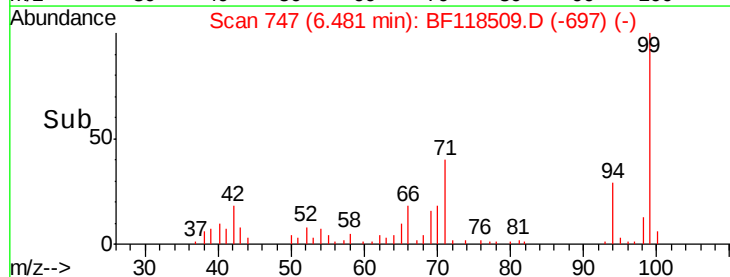
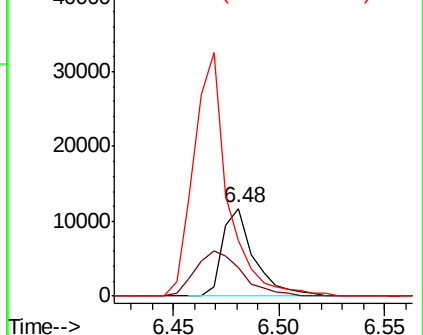
Lab File: BF118509.D

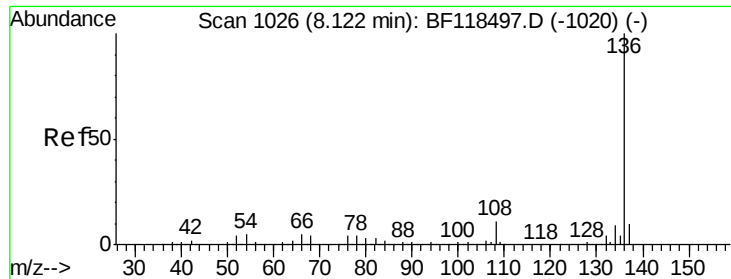
Acq: 8 Jan 2020 20:17

Tgt Ion:	94	Resp:	12192
Ion Ratio	Lower	Upper	
94	100		
65	33.0	13.3	53.3
66	63.1	30.9	70.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





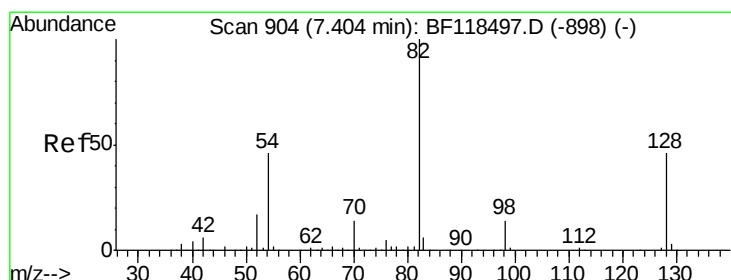
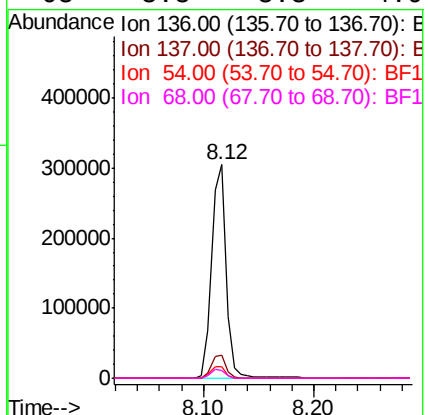
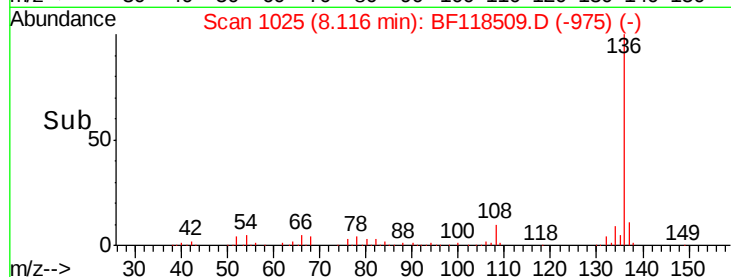
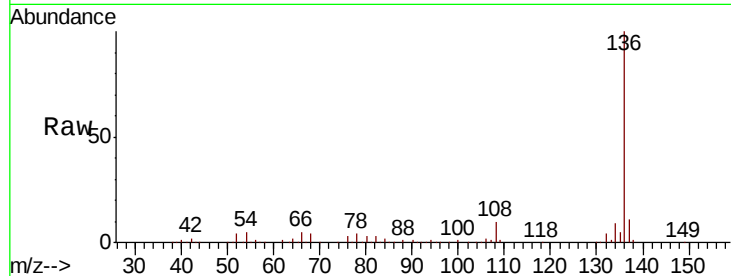
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100	273195		
137	10.7		8.3	12.5
54	5.2		4.2	6.2
68	3.8		3.3	4.9

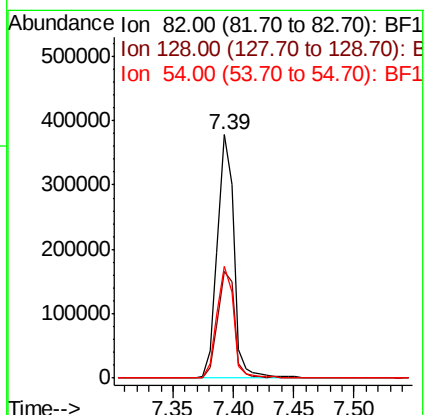
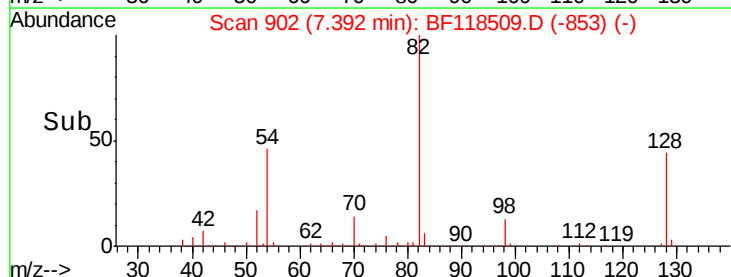
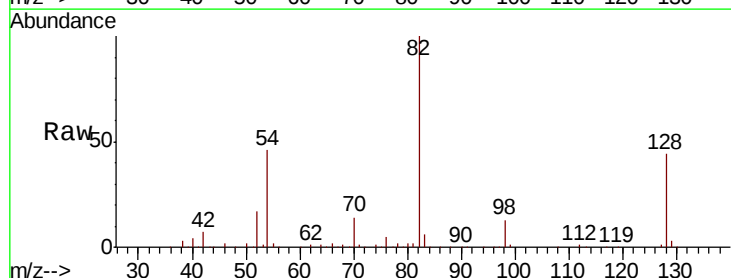
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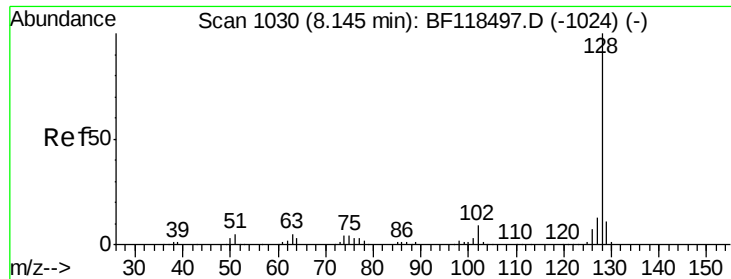
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#23
Nitrobenzene-d5
Concen: 68.873 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	358182		
128	43.8		36.6	54.8
54	45.9		37.0	55.6





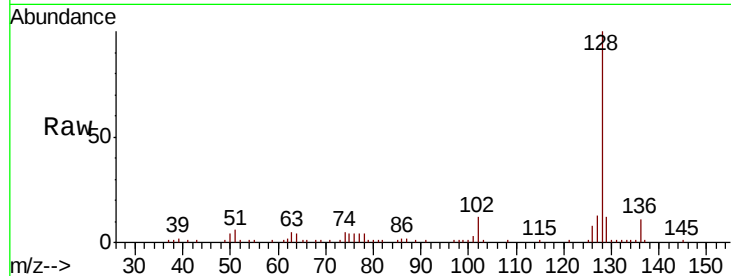
#31
Naphthalene
Concen: 3.427 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	12.8
127	12.8	10.7	16.1

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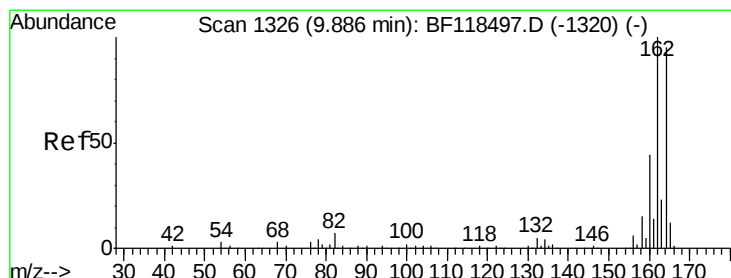
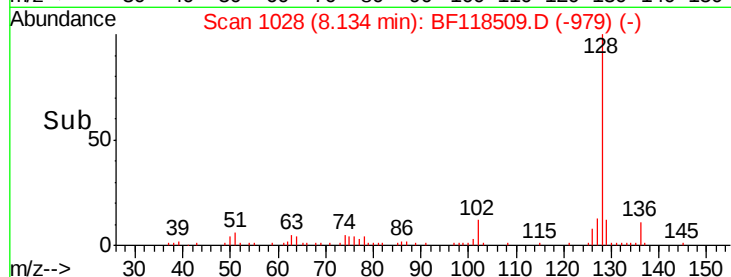
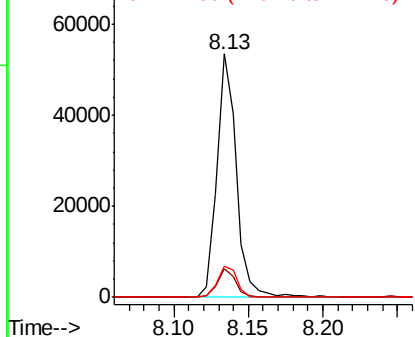


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

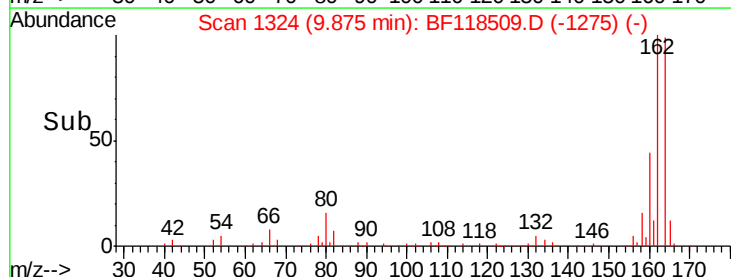
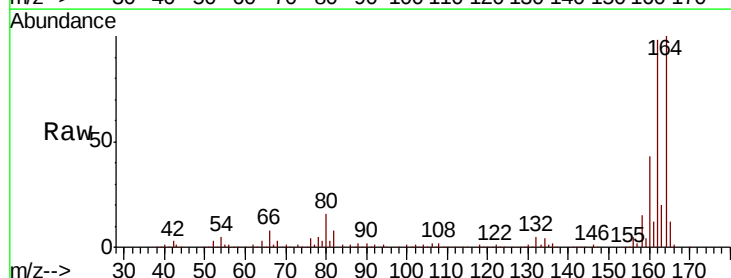
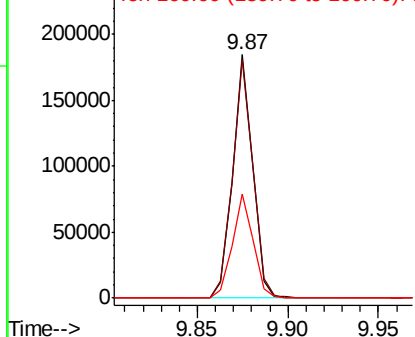
Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	84.2	126.4
160	42.8	36.8	55.2

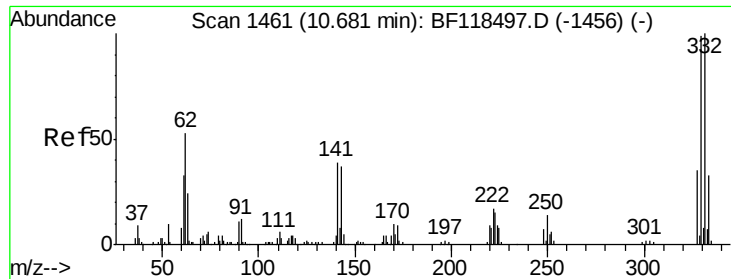
Abundance

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





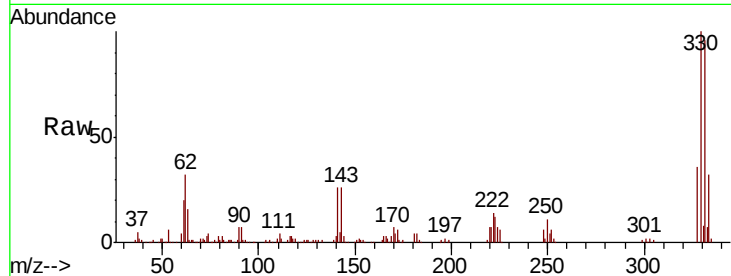
#42
 2,4,6-Tribromophenol
 Concen: 121.774 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.9	116.9	
141	35.8	28.6	43.0	

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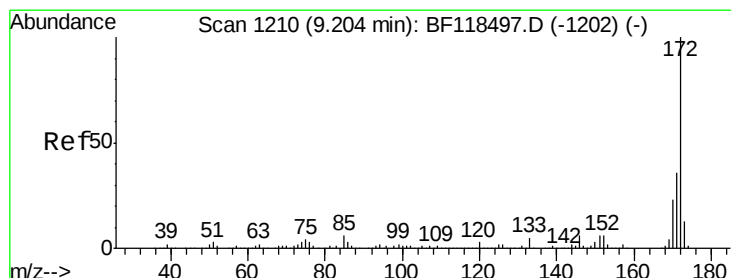
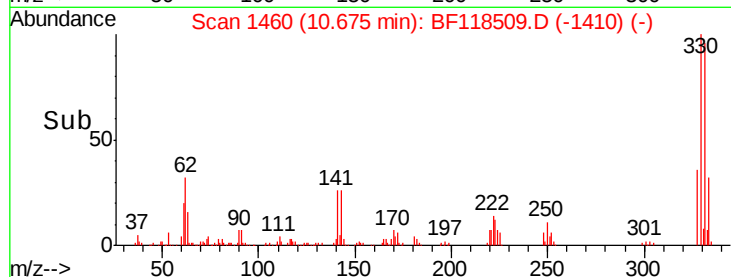
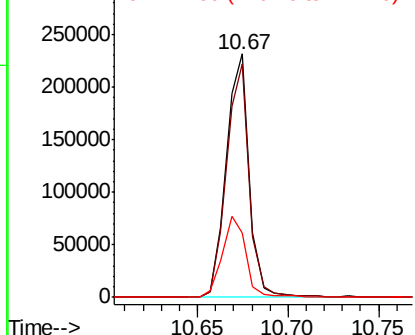


Abundance

Ion 329.80 (329.50 to 330.50): E

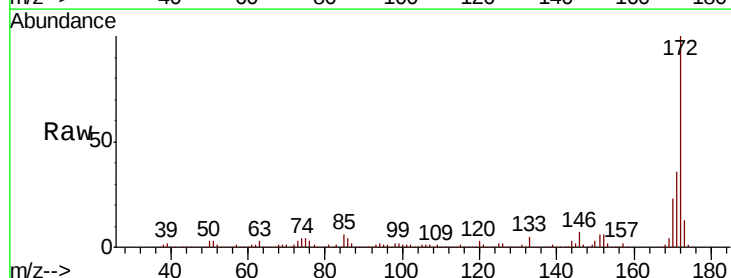
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.533 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	28.6	42.8	
170	23.0	18.6	27.8	

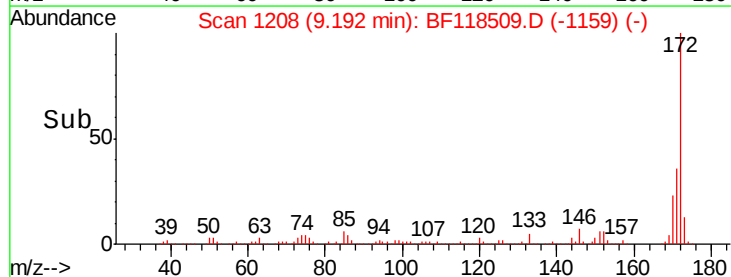
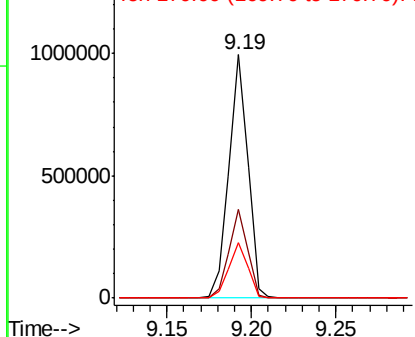


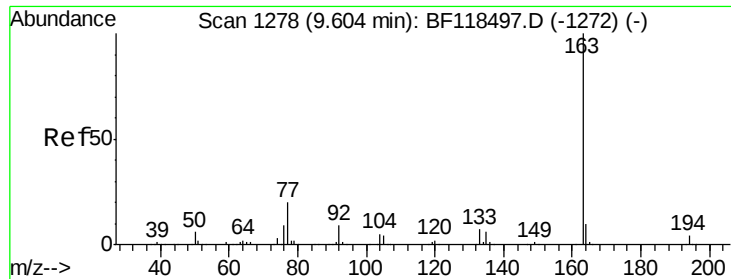
Abundance

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





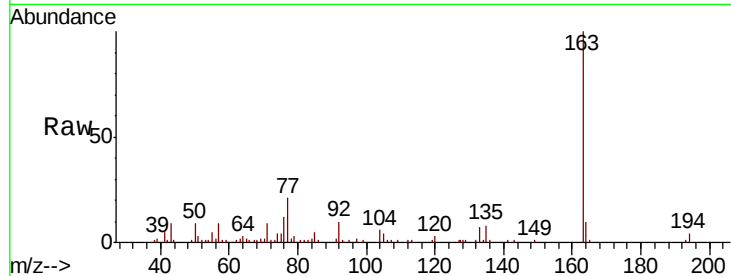
#50
Dimethylphthalate
Concen: 4.324 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

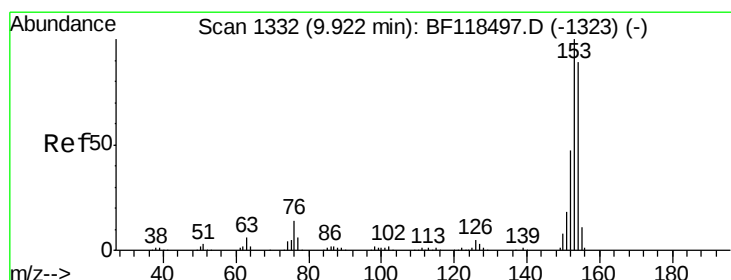
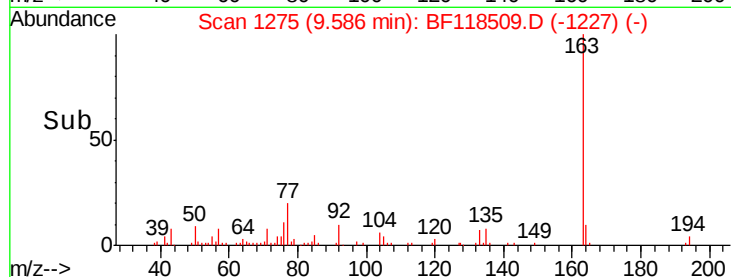
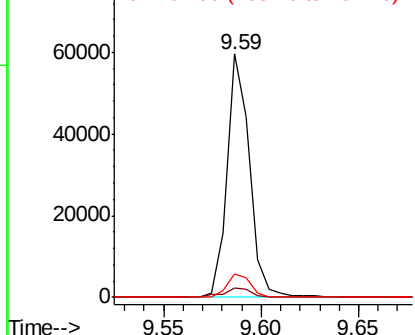
Tot Ion:	163	Resp:	47283
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.6
164	9.9	8.1	12.1

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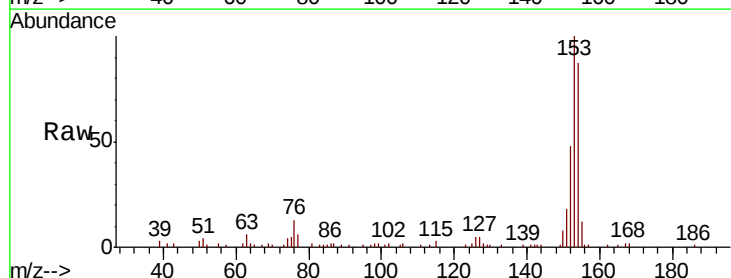


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

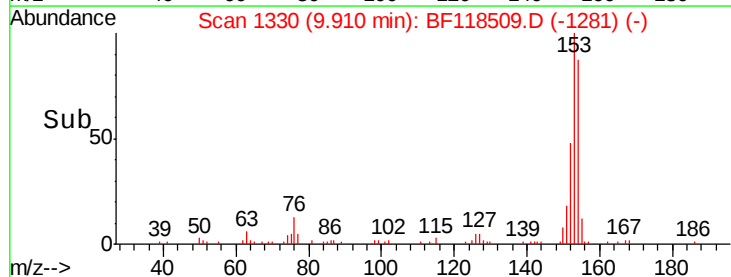
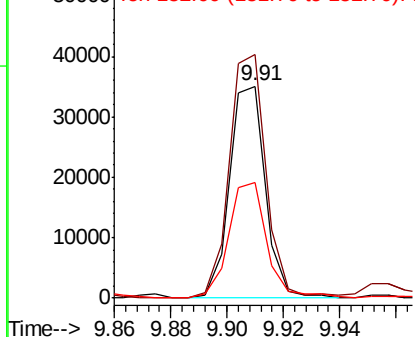


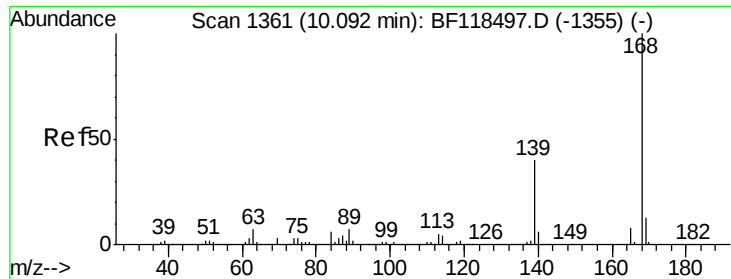
#52
Acenaphthene
Concen: 3.686 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Tgt Ion:	154	Resp:	30870
Ion Ratio	Lower	Upper	
154	100		
153	114.8	89.7	134.5
152	54.6	41.9	62.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





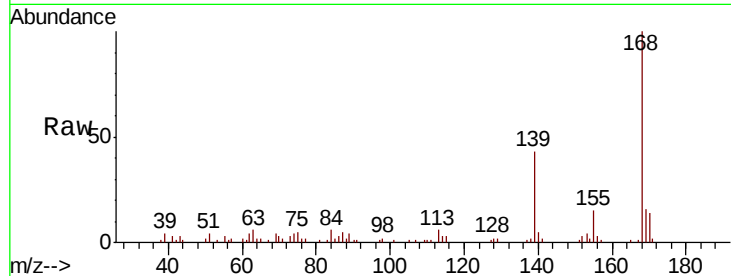
#55
Dibenzofuran
Concen: 2.406 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.6	32.5	48.7
169	15.6	10.6	16.0

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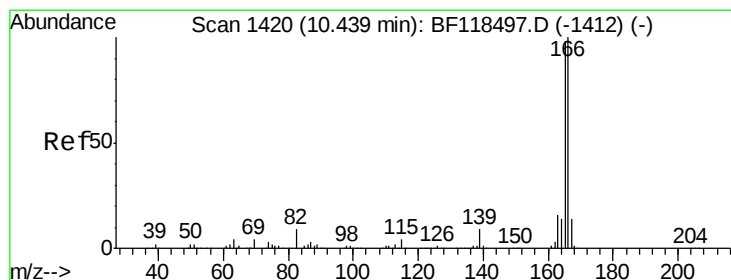
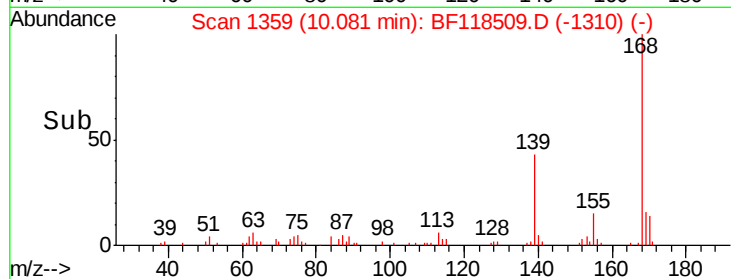
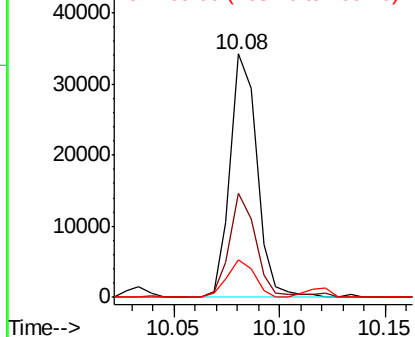


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 3.192 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

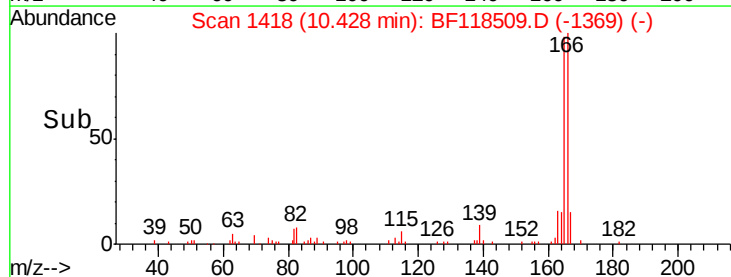
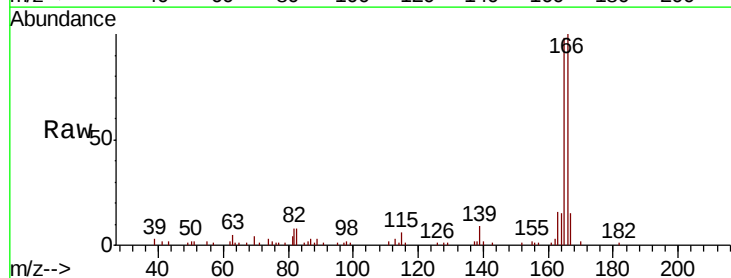
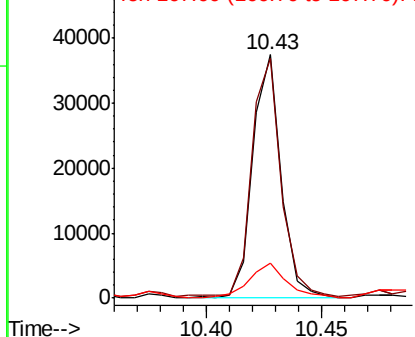
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	14.6	10.8	16.2

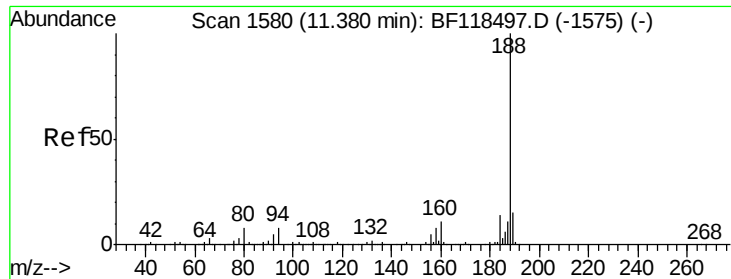
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





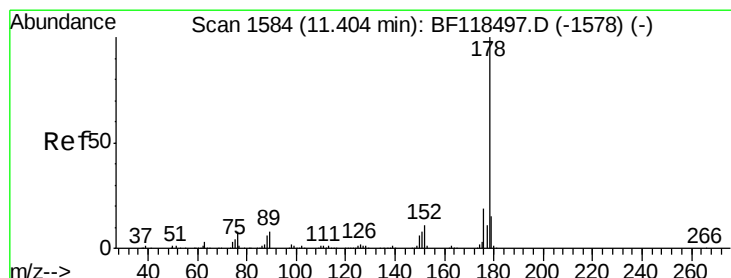
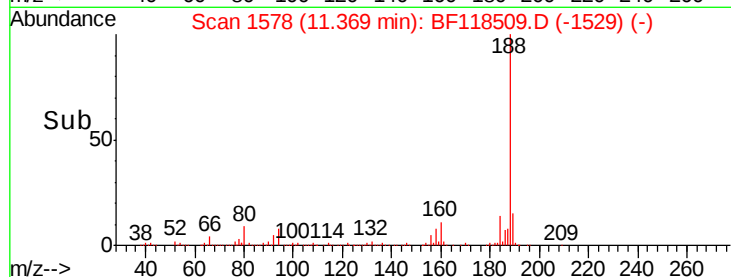
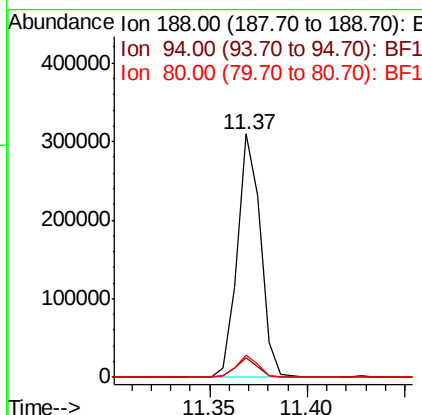
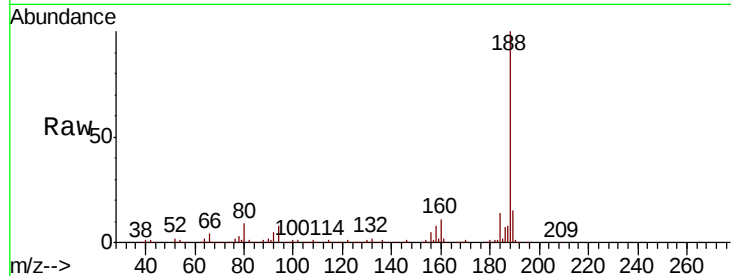
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:188	Resp: 254893
Ion Ratio	Lower Upper
188 100	
94 8.2	6.2 9.4
80 9.0	6.6 10.0

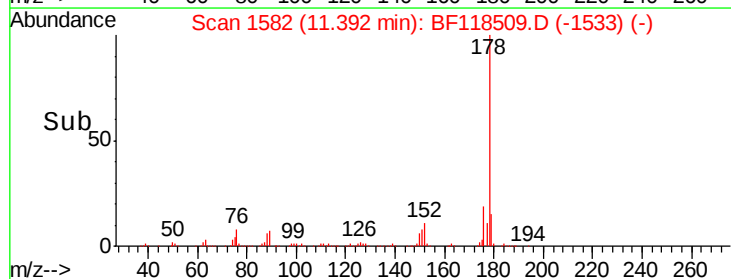
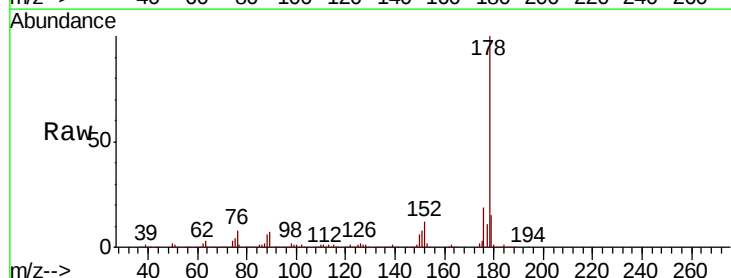
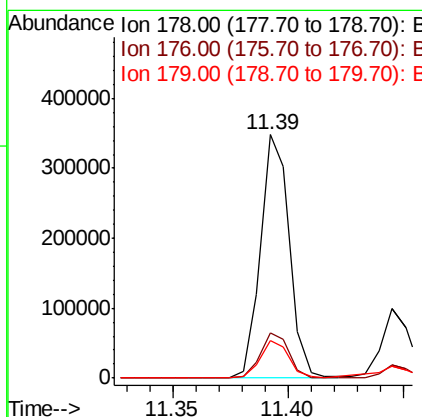
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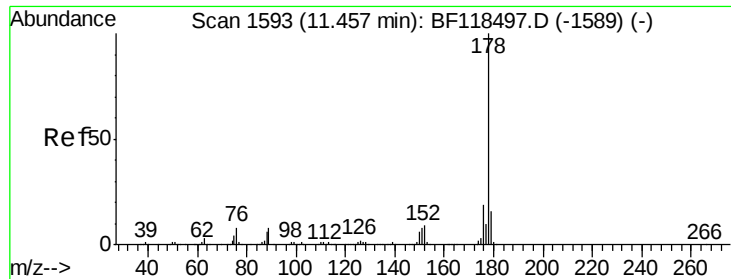
mohammad
1/9/2020 12:10:54 PM



#71
Phenanthrene
Concen: 21.254 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Tgt Ion:178	Resp: 303479
Ion Ratio	Lower Upper
178 100	
176 18.7	15.2 22.8
179 15.2	12.3 18.5





#72

Anthracene

Concen: 5.706 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Instrument :

BNA_F

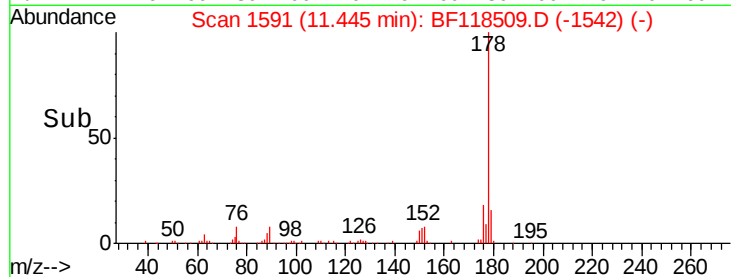
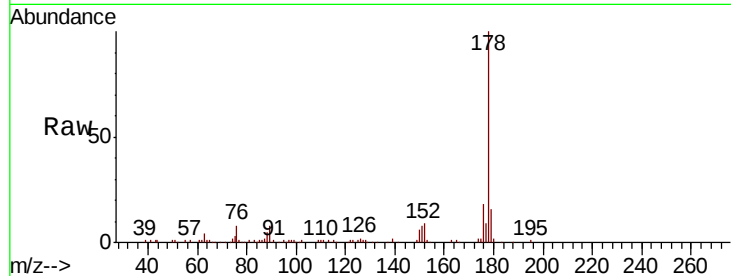
ClientSampleId :

TP-4

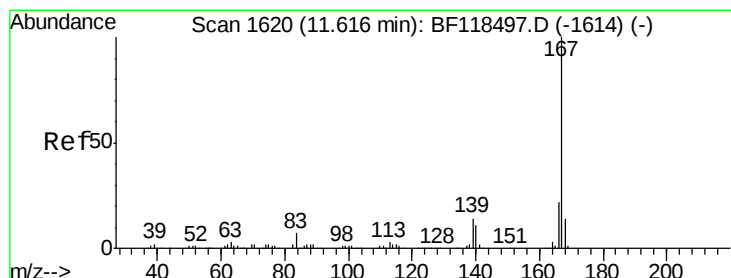
Tot Ion:	178	Resp:	81060
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.0	22.4
179	16.3	12.6	19.0

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Time-->



#73

Carbazole

Concen: 2.244 ng

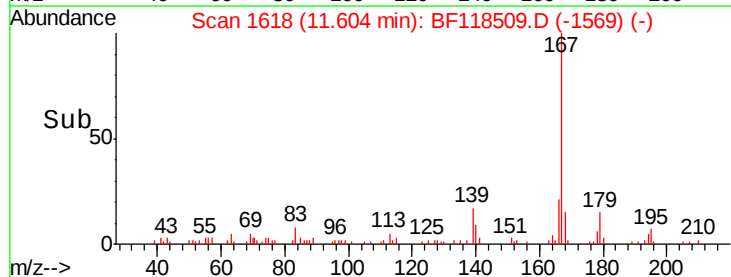
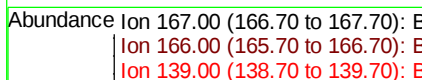
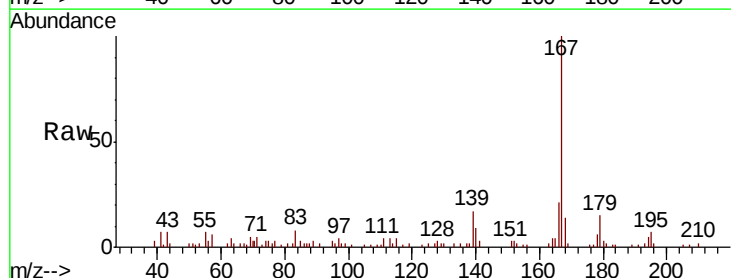
RT: 11.60 min Scan# 1618

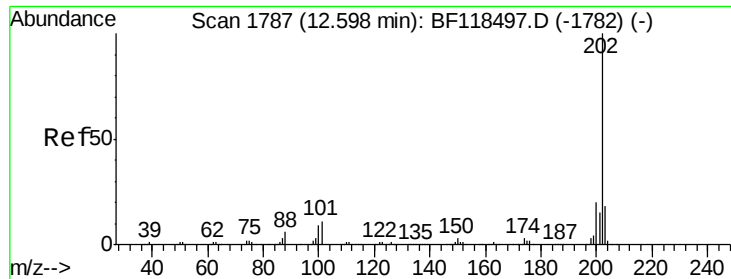
Delta R.T. -0.01 min

Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Tgt Ion:	167	Resp:	27611
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.4	26.2
139	16.7	10.9	16.3#





#75

Fluoranthene

Concen: 18.626 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Instrument :

BNA_F

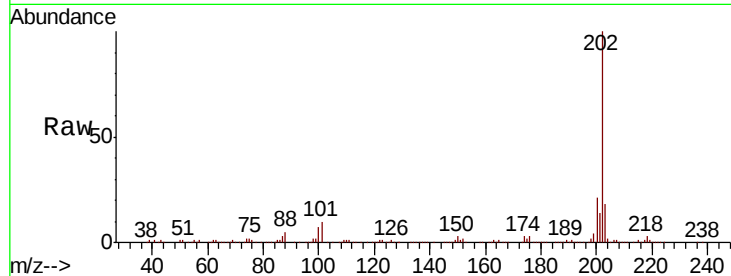
ClientSampleId :

TP-4

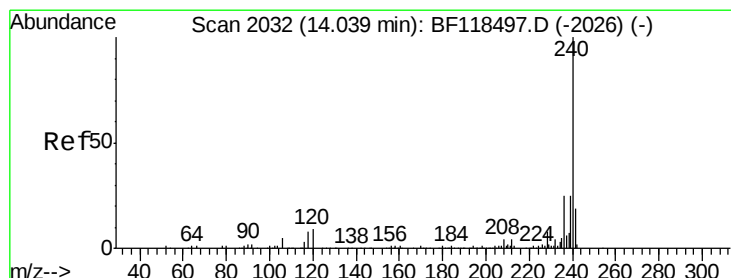
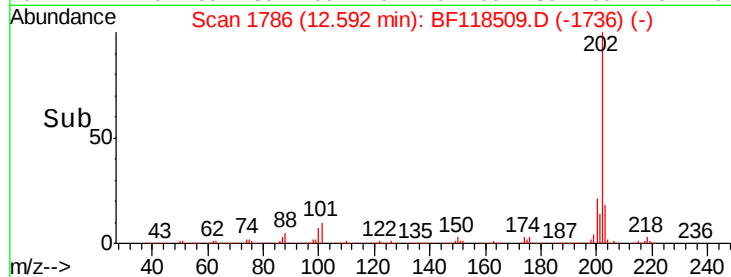
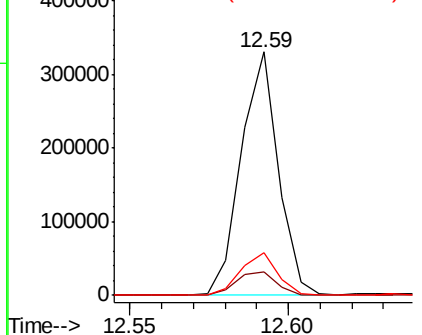
Tot Ion:	202	Resp:	270317
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	31.4
203	17.7	0.0	38.1

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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: 14.03 min Scan# 2030

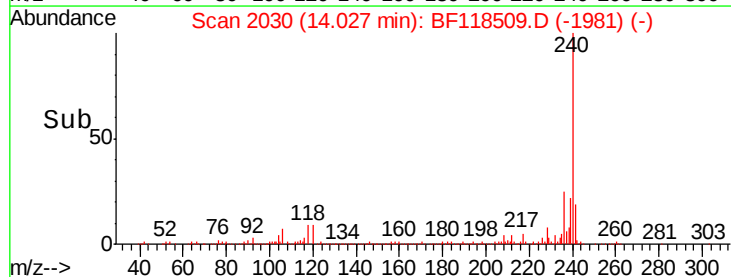
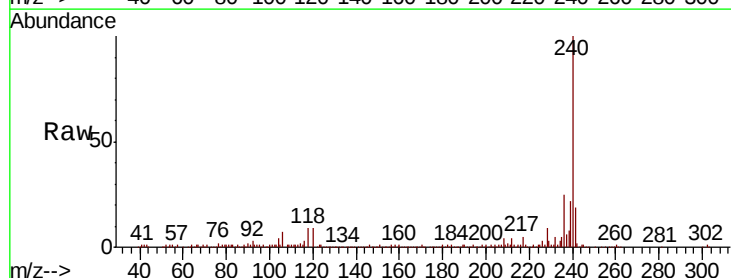
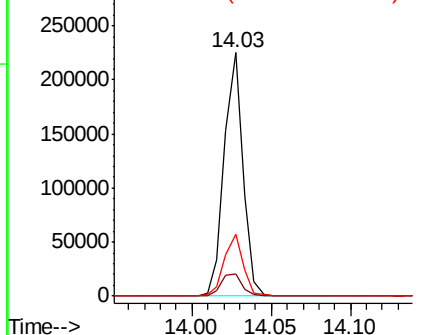
Delta R.T. -0.01 min

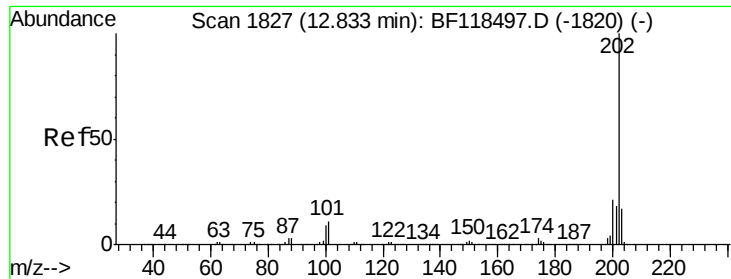
Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Tgt Ion:	240	Resp:	186103
Ion Ratio	Lower	Upper	
240	100		
120	9.3	7.0	10.6
236	25.4	20.1	30.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





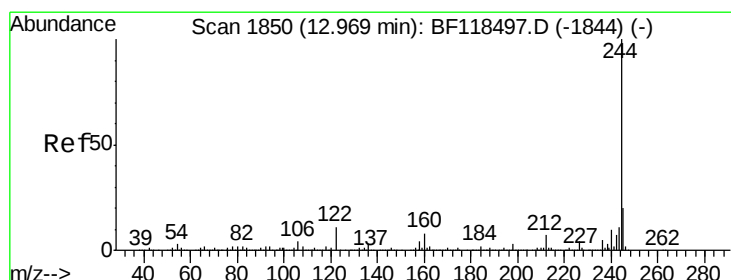
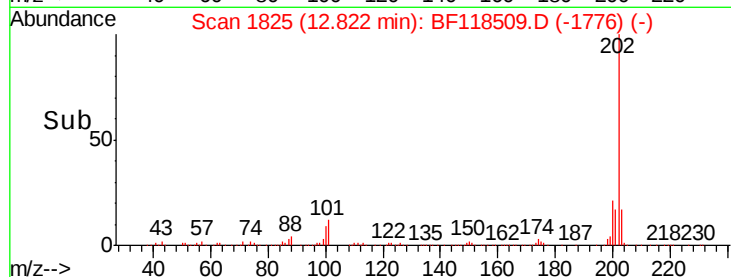
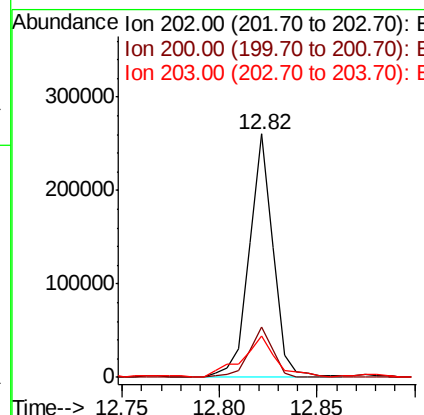
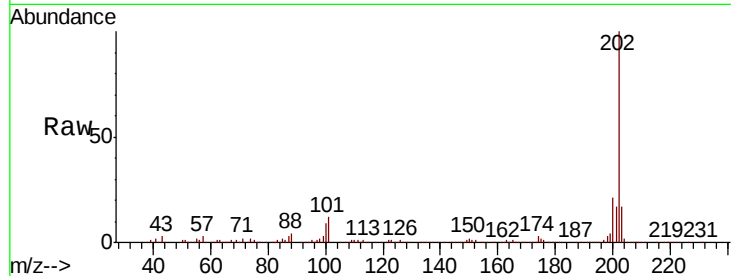
#78
Pvrene
Concen: 14.275 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.1	13.9	20.9

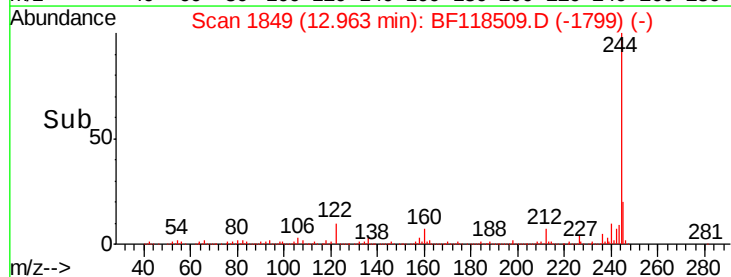
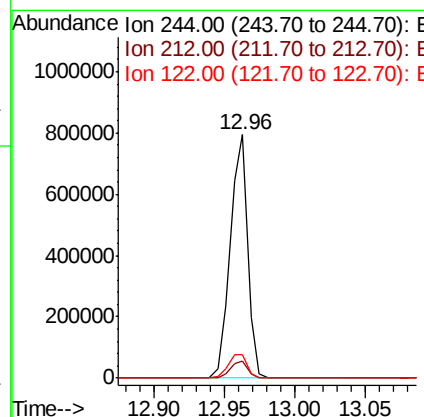
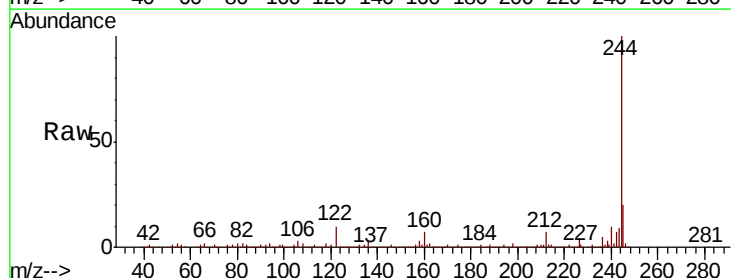
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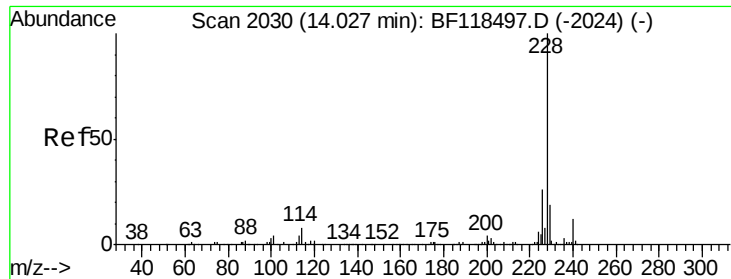
mohammad
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#79
Terphenyl-d14
Concen: 58.016 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.6	9.0	13.6





#81

Benzo(a)anthracene

Concen: 8.233 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Instrument :

BNA_F

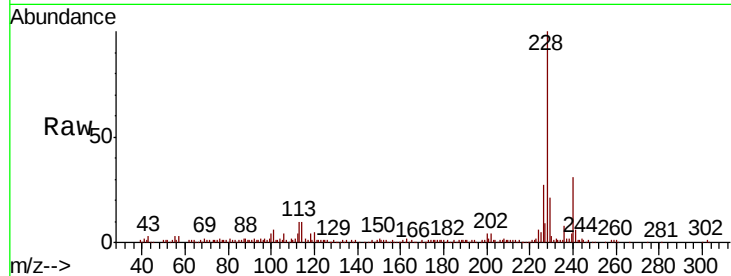
ClientSampled :

TP-4

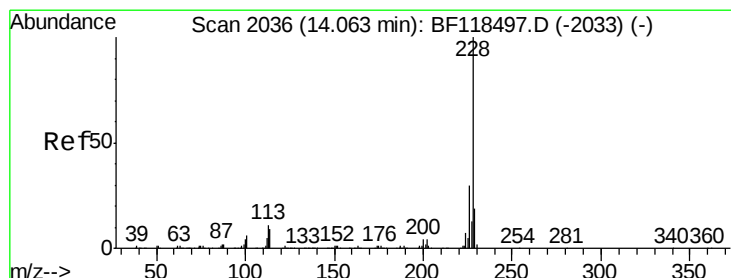
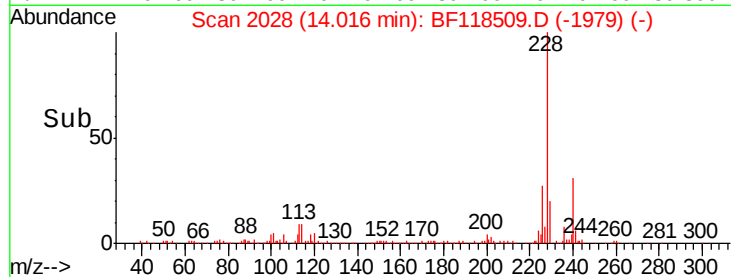
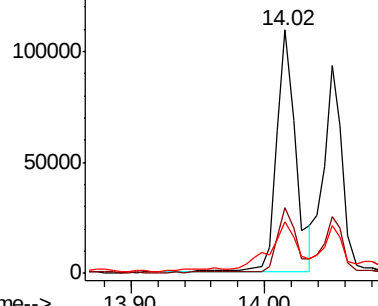
Tot Ion:	228	Resp:	107243
Ion Ratio	Lower	Upper	
228	100		
226	27.0	20.7	31.1
229	21.1	15.4	23.2

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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: 7.143 ng

RT: 14.05 min Scan# 2034

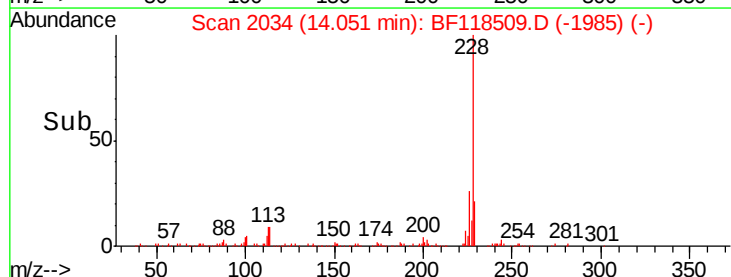
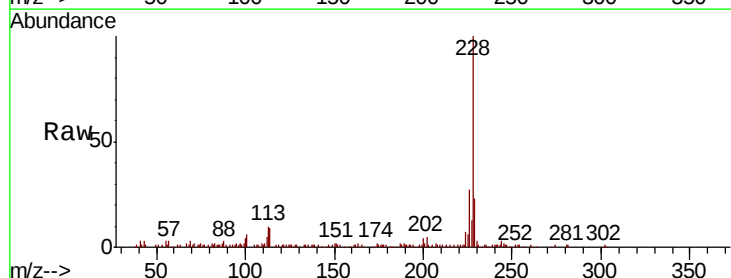
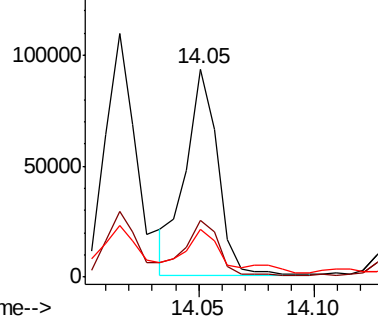
Delta R.T. -0.01 min

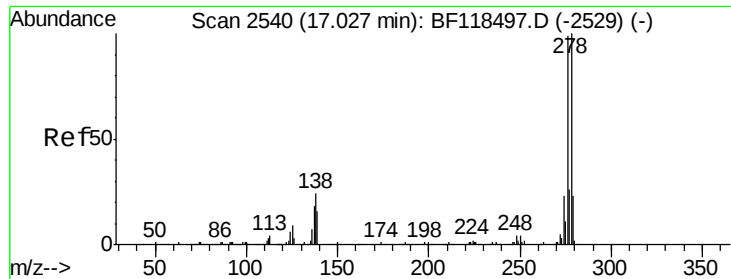
Lab File: BF118509.D

Acq: 8 Jan 2020 20:17

Tgt Ion:	228	Resp:	90418
Ion Ratio	Lower	Upper	
228	100		
226	27.0	23.6	35.4
229	22.7	15.6	23.4

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





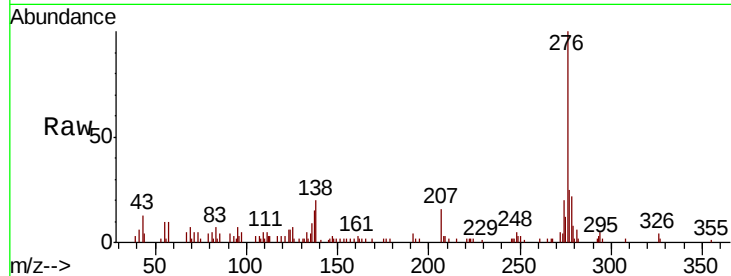
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.919 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.02 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.0	28.4
277	27.9	20.5	30.7

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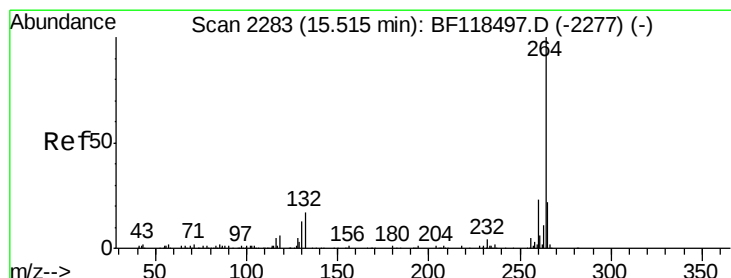
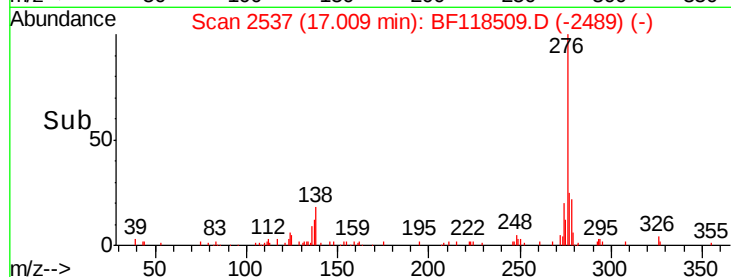
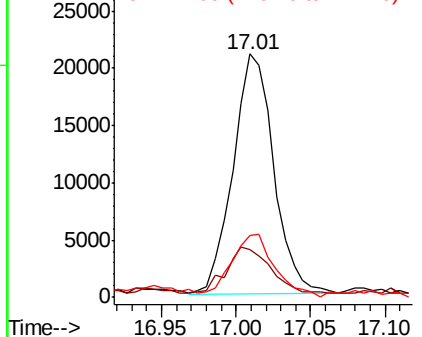


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

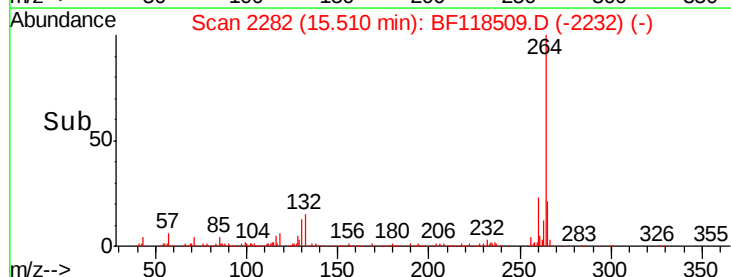
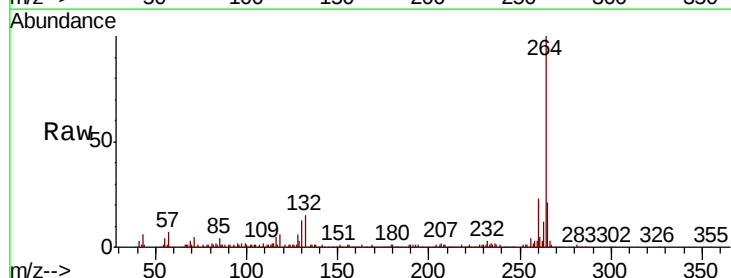
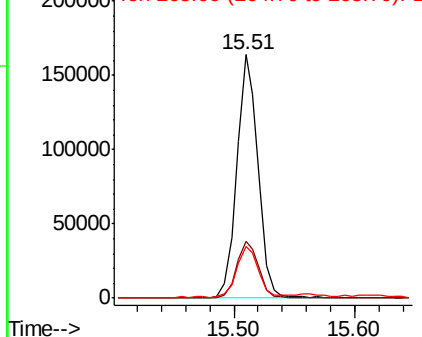
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.0	17.5	26.3

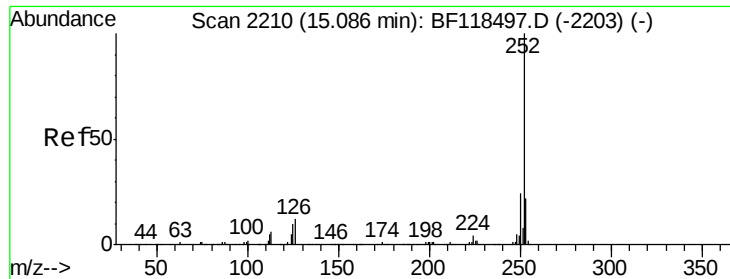
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





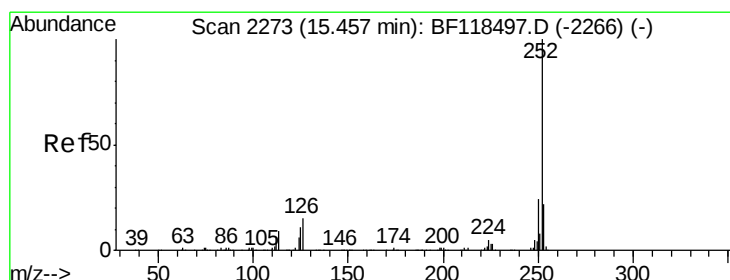
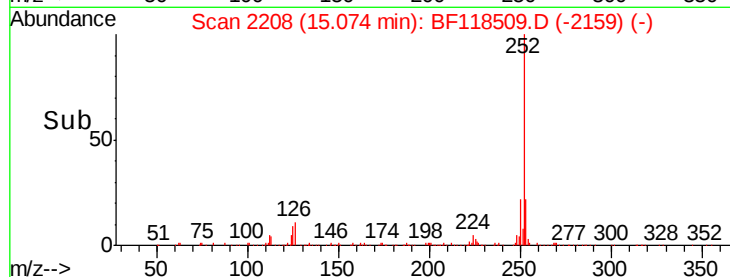
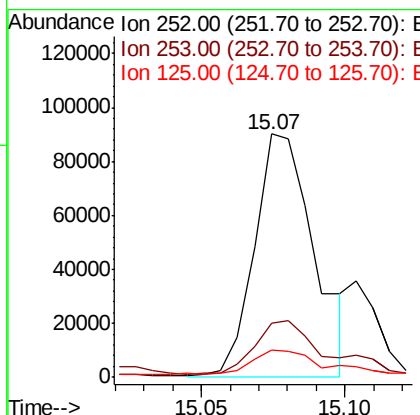
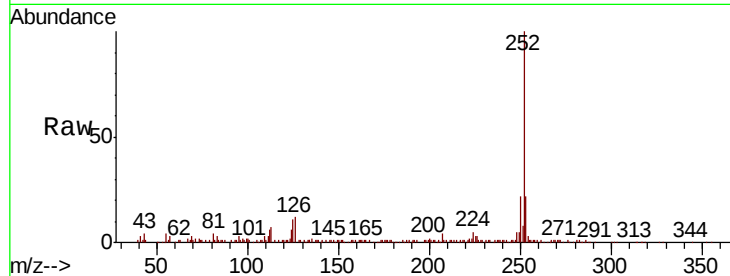
#88
Benzo(b)fluoranthene
Concen: 8.972 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.0	7.8	11.6

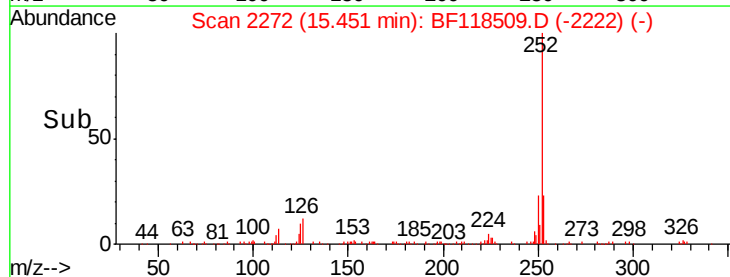
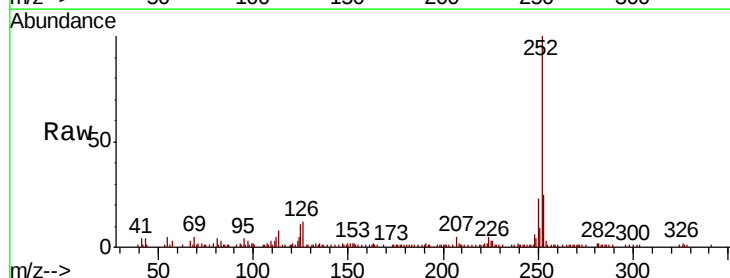
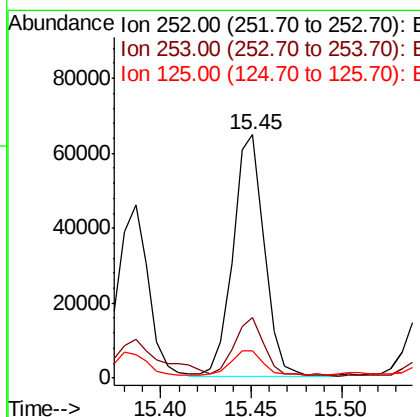
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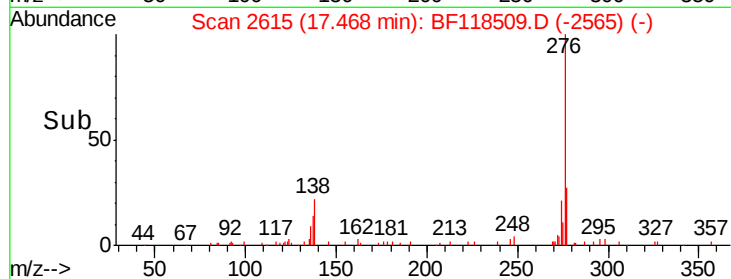
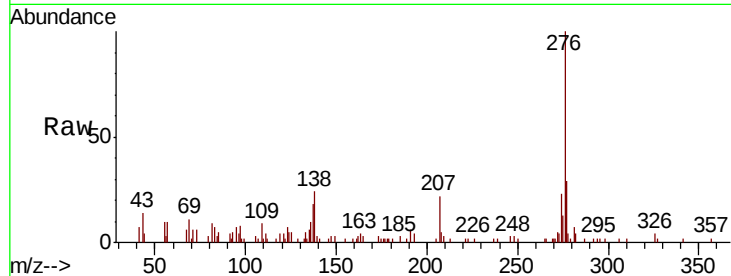
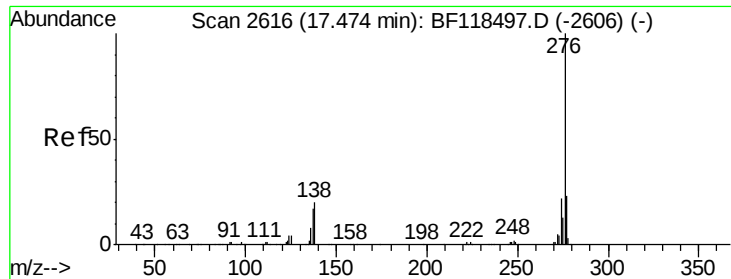
mohammad
1/9/2020 12:10:54 PM



#90
Benzo(a)pyrene
Concen: 6.565 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF118509.D
Acq: 8 Jan 2020 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	11.0	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.936 ng
 RT: 17.47 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BF118509.D
 Acq: 8 Jan 2020 20:17

Tot Ion:	276	Resp:	41429
Ion Ratio	Lower	Upper	
276	100		
277	28.7	18.2	27.4#
138	24.2	16.3	24.5

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

mohammad
 1/9/2020 12:10:54 PM

