

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118387.D
 Acq On : 30 Dec 2019 18:09
 Operator : JU
 Sample : K6456-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03

Manual Integrations
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Quant Time: Dec 31 01:25:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138014	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	537808	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	297200	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	579100	20.00	ng	0.00
76) Chrysene-d12	14.05	240	415997	20.00	ng	0.00
87) Perylene-d12	15.54	264	367823	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	742763	91.87	ng	0.01
7) Phenol-d6	6.49	99	940582	93.78	ng	0.00
23) Nitrobenzene-d5	7.42	82	570788	60.70	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	344353	93.82	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1211528	62.23	ng	0.00
79) Terphenyl-d14	12.99	244	1583370	63.15	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	78484	3.518	ng	99
71) Phenanthrene	11.42	178	153490	4.862	ng	98
75) Fluoranthene	12.62	202	267738	8.403	ng	99
78) Pyrene	12.85	202	257462	7.579	ng	99
81) Benzo(a)anthracene	14.04	228	124868	4.288	ng	99
83) Chrysene	14.07	228	101536	3.642	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	52817	2.223	ng	94
88) Benzo(b)fluoranthene	15.10	252	119379m	4.889	ng	
90) Benzo(a)pyrene	15.47	252	85817	3.990	ng	97
92) Benzo(g,h,i)perylene	17.51	276	50413	2.796	ng	97

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

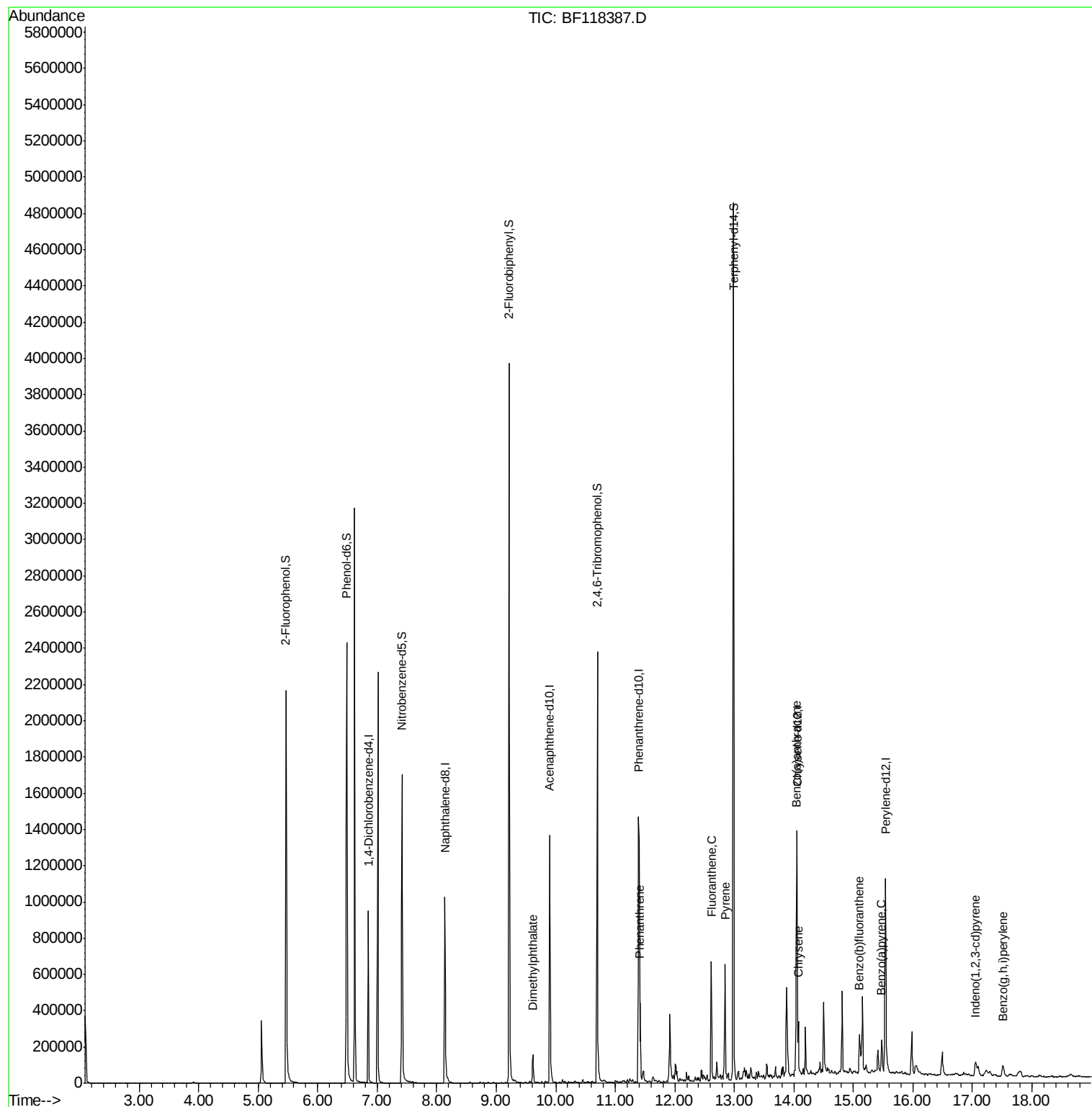
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118387.D
Acq On : 30 Dec 2019 18:09
Operator : JU
Sample : K6456-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

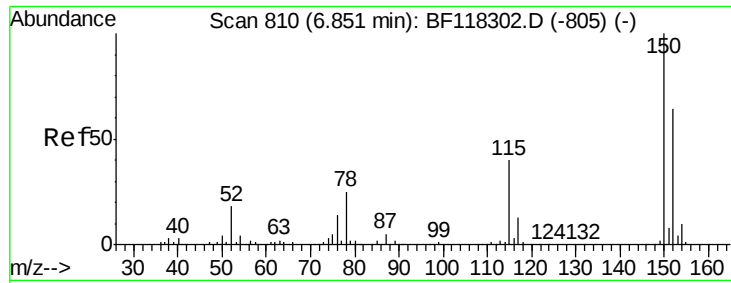
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

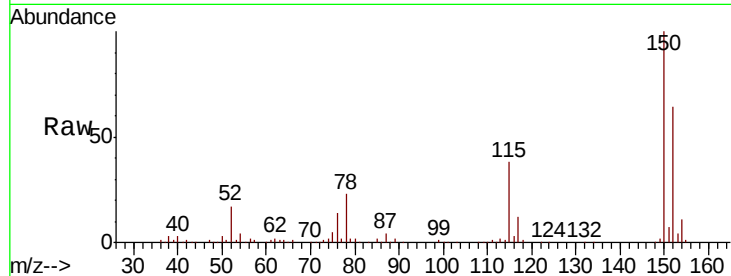
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampleId :
SB-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.4	188.2
115	58.8	50.2	75.4

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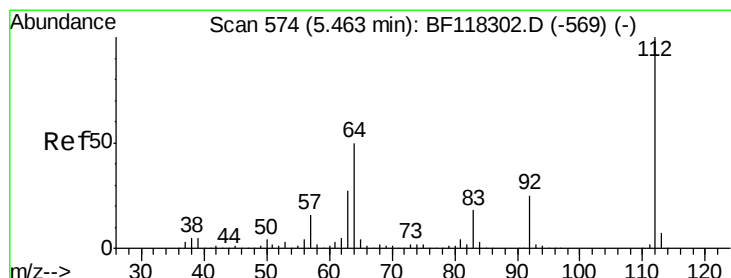
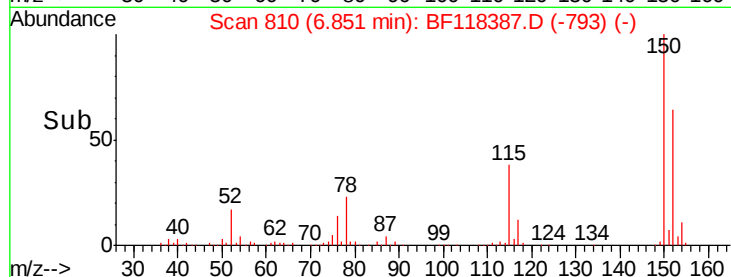
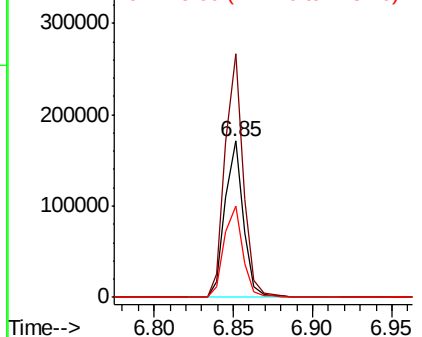


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

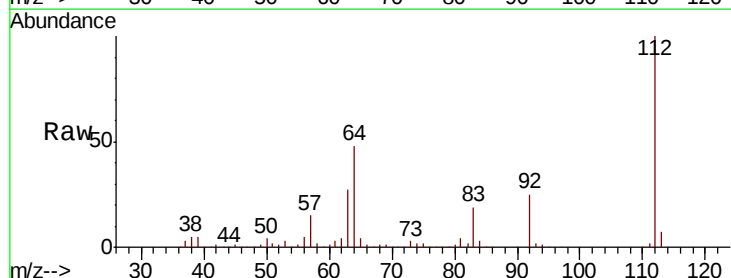
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.867 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.3	39.7	59.5
63	26.7	21.7	32.5

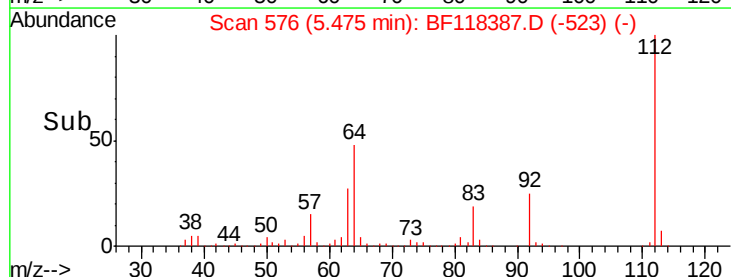
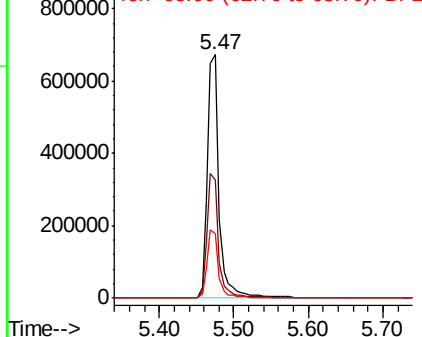


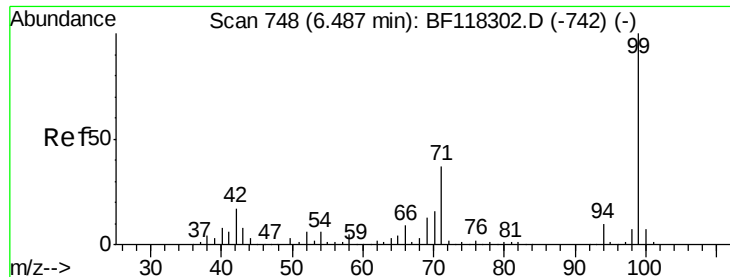
Abundance

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: 93.777 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

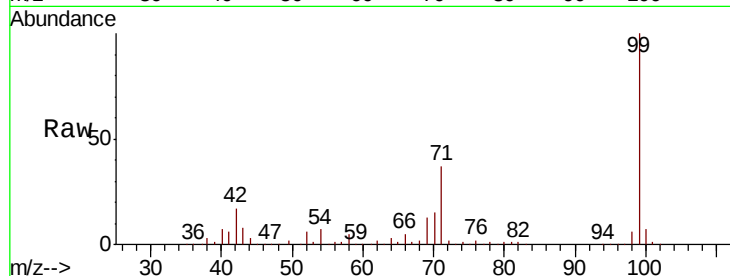
ClientSampled :

SB-03

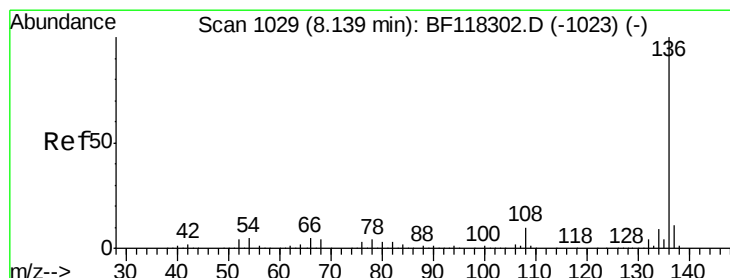
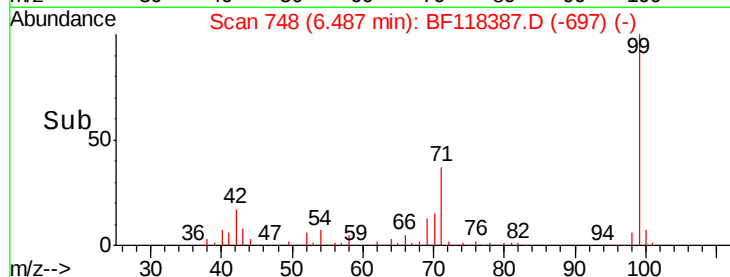
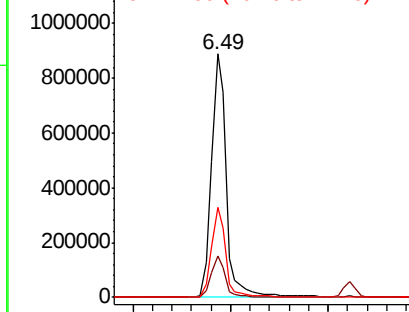
Tot Ion:	99	Resp:	940582
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	37.0	29.4	44.2

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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: 8.14 min Scan# 1029

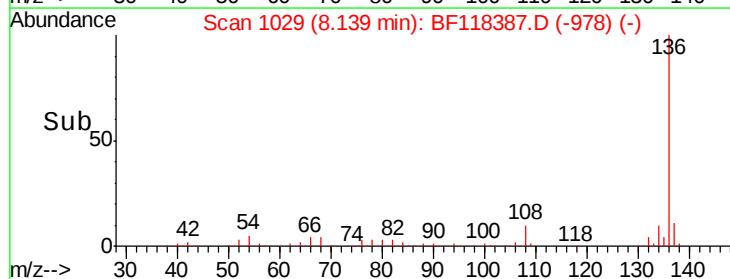
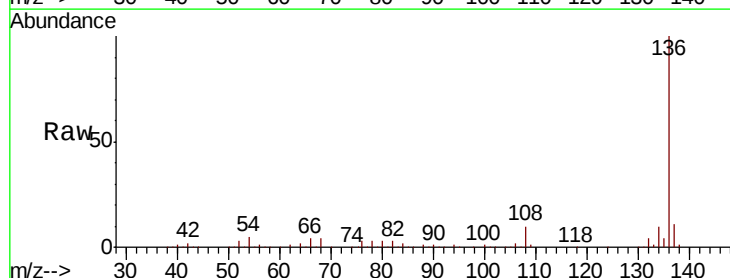
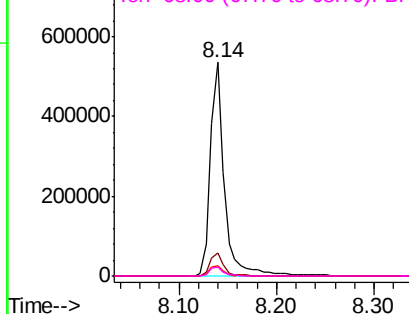
Delta R.T. 0.00 min

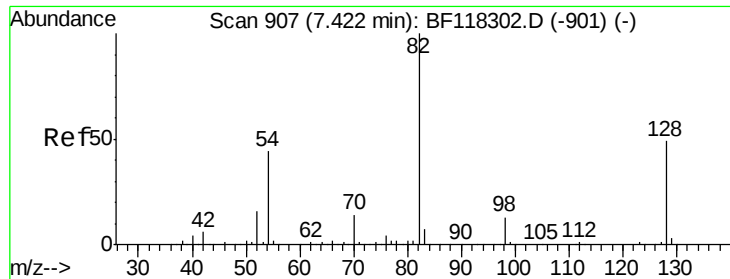
Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Tgt Ion:	136	Resp:	537808
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	5.1	4.2	6.4
68	4.4	3.5	5.3

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





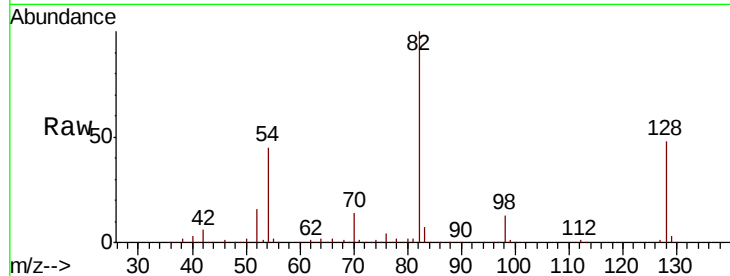
#23
Nitrobenzene-d5
Concen: 60.702 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampled :
SB-03

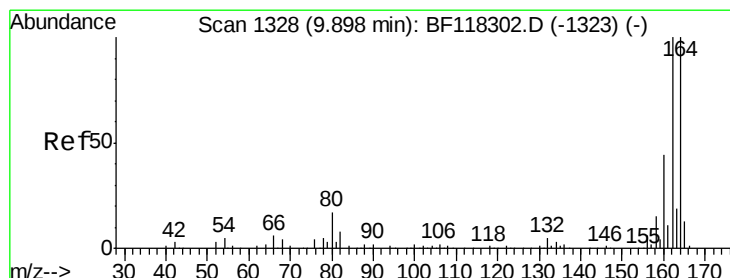
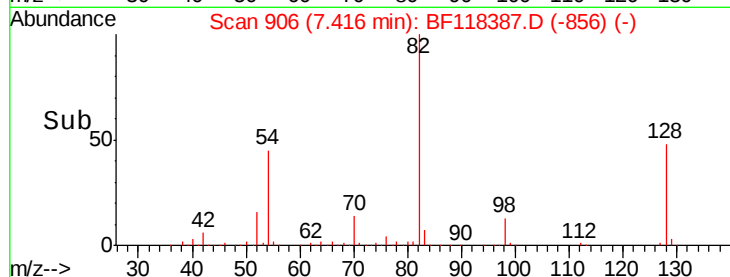
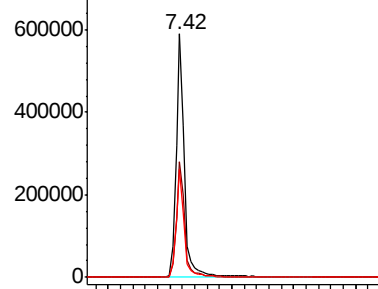
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	39.6	59.4
54	44.6	34.9	52.3

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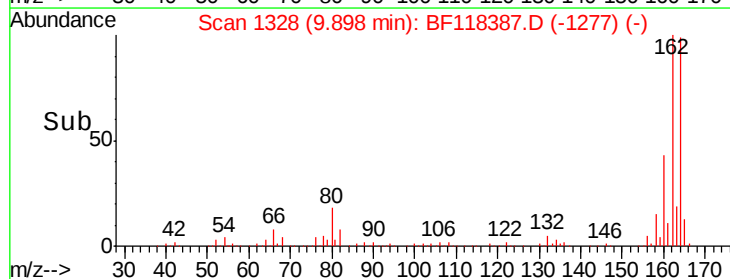
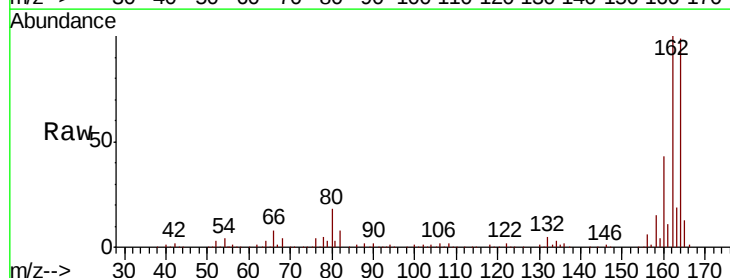
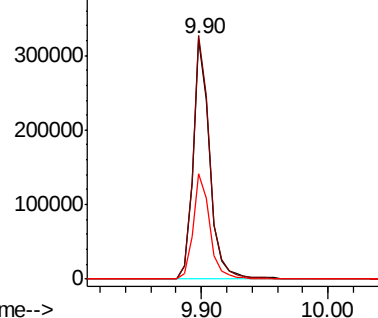
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

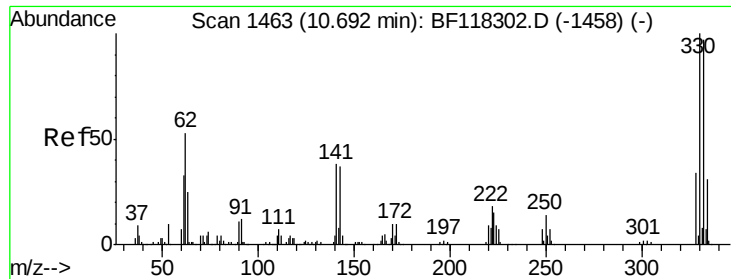


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.0	120.0
160	44.0	34.8	52.2

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





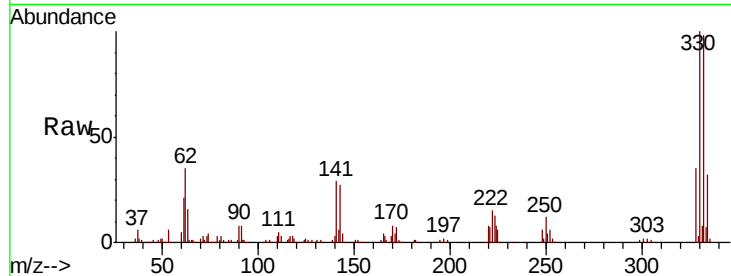
#42
 2,4,6-Tribromophenol
 Concen: 93.824 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	344353		
332	96.9	76.6	114.8	
141	32.7	26.0	39.0	

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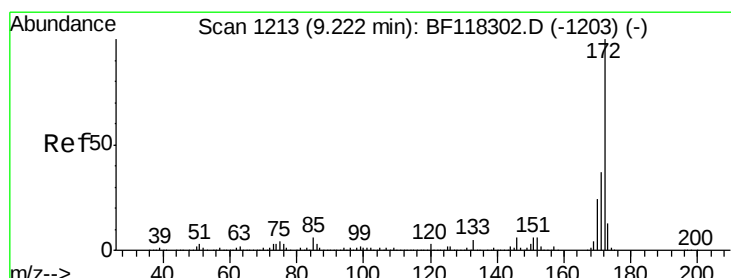
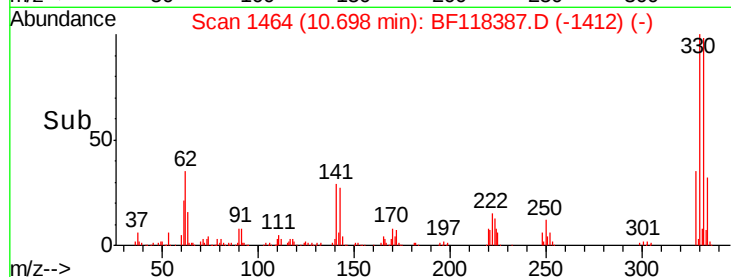
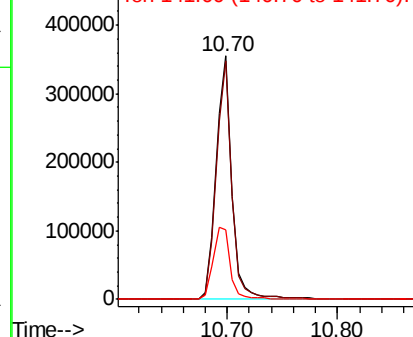


Abundance

Ion 329.80 (329.50 to 330.50): E

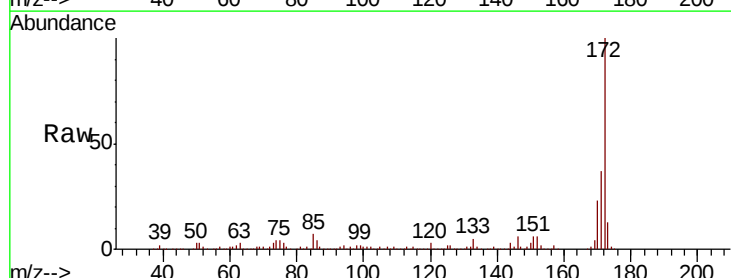
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.226 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1211528		
171	36.5	29.3	43.9	
170	23.5	19.2	28.8	

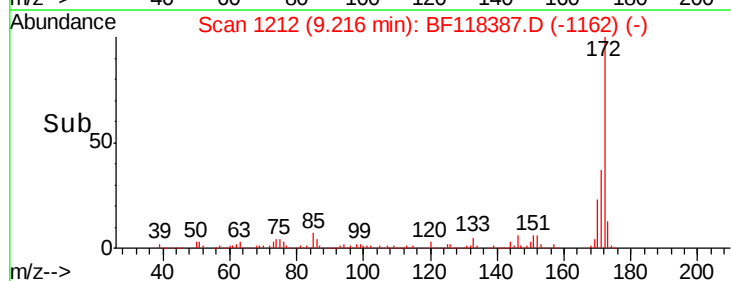
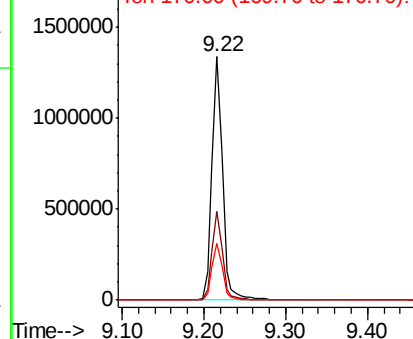


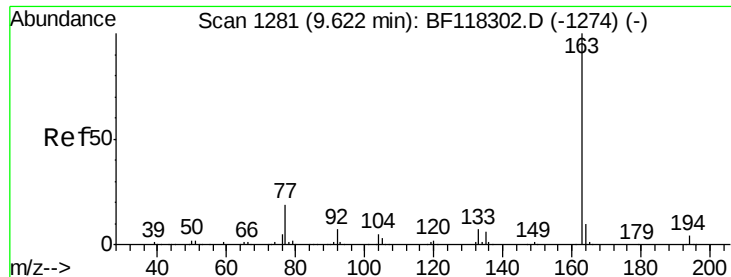
Abundance

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: 3.518 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

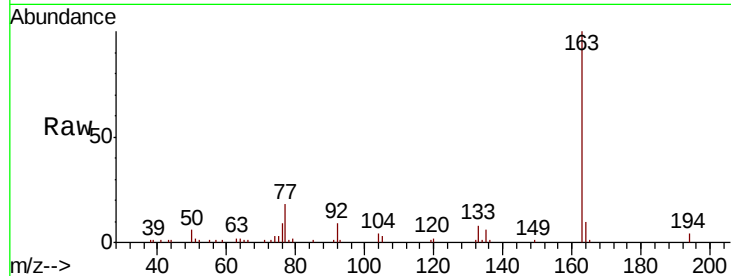
ClientSampled :

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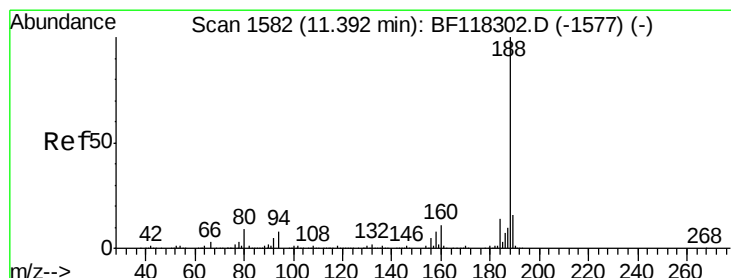
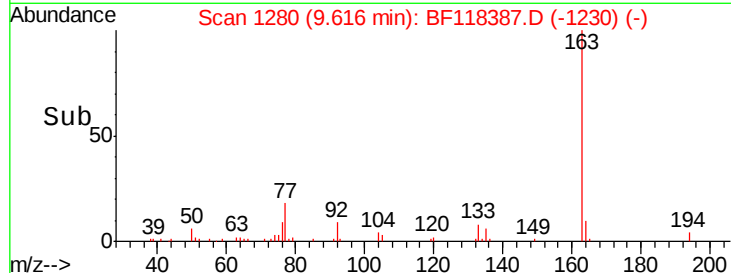
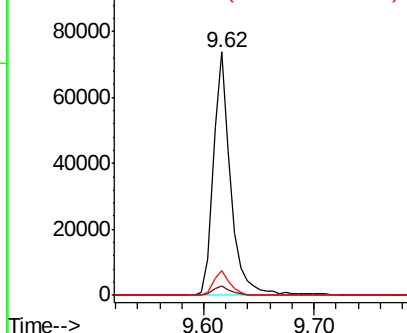
Tot Ion:	163	Resp:	78484
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.2	4.8
164	10.2	7.9	11.9

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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: 11.39 min Scan# 1582

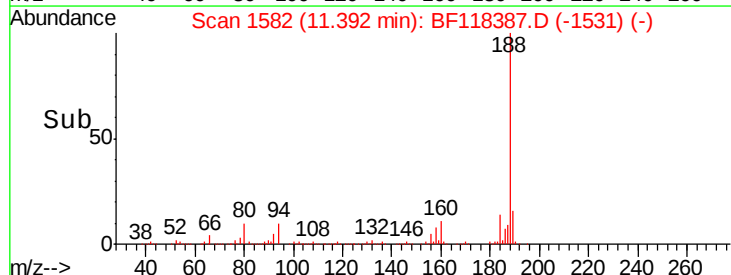
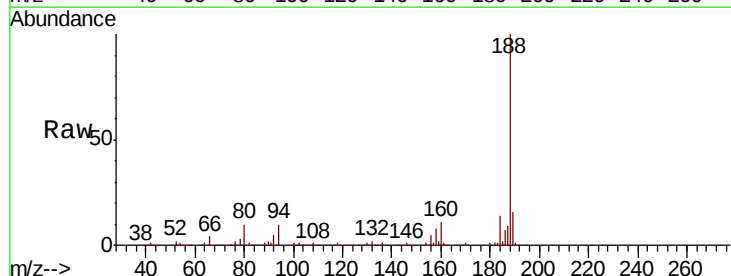
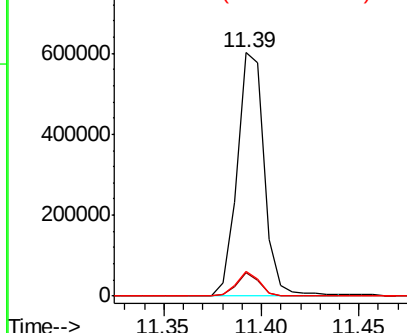
Delta R.T. 0.00 min

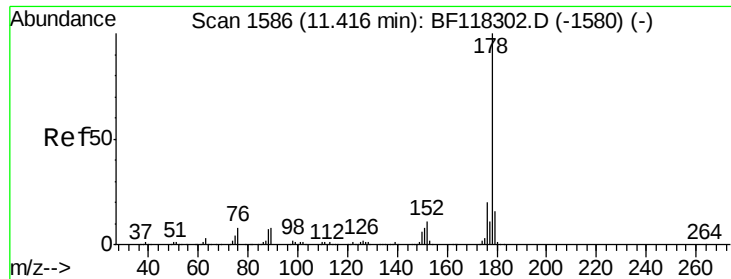
Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Tgt Ion:	188	Resp:	579100
Ion Ratio	Lower	Upper	
188	100		
94	9.5	6.7	10.1
80	10.0	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





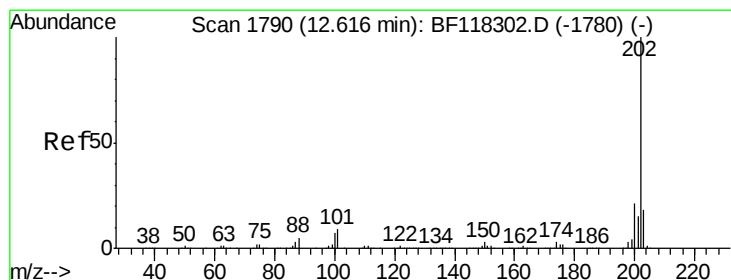
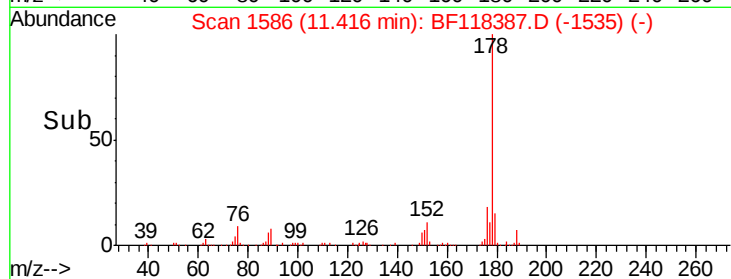
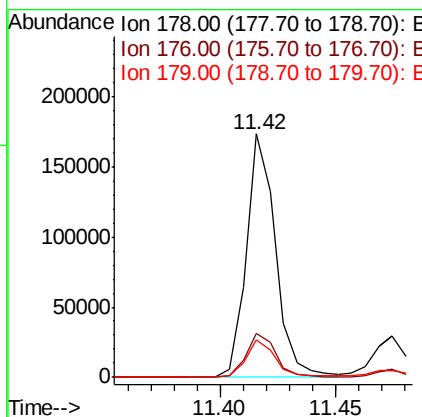
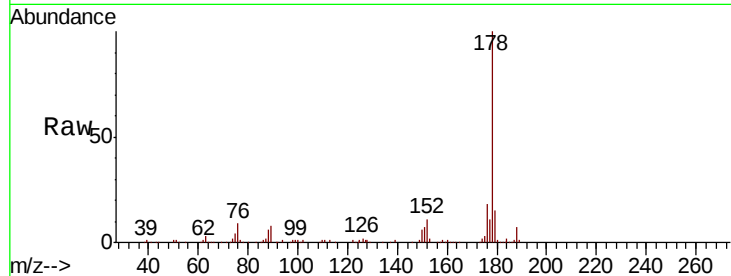
#71
Phenanthrene
Concen: 4.862 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampleId :
SB-03

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.3	12.6	19.0

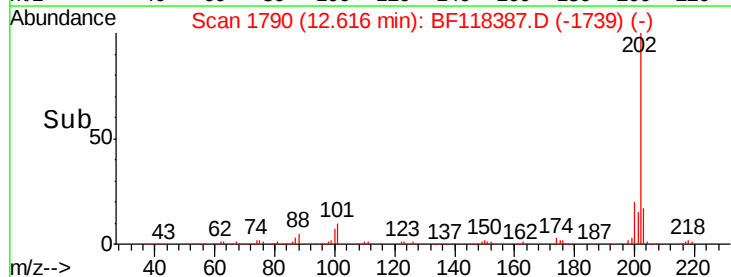
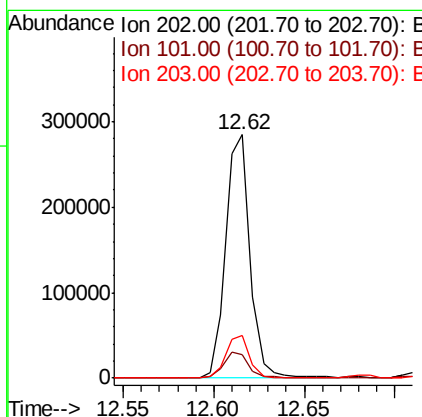
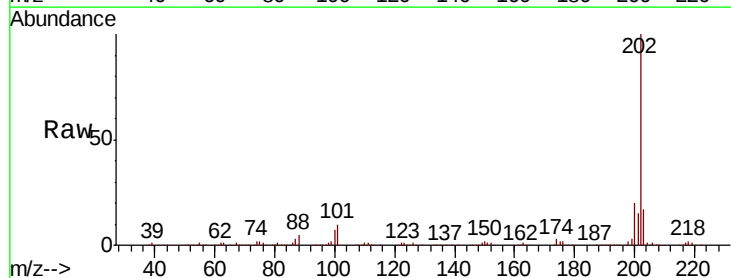
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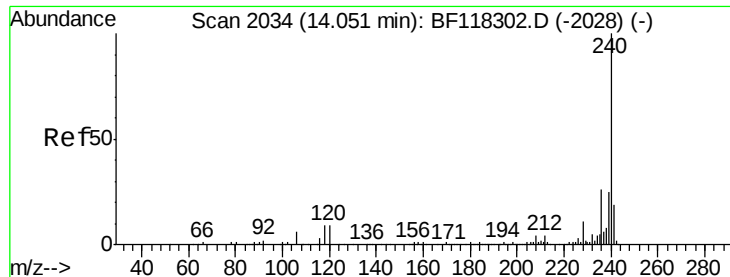
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#75
Fluoranthene
Concen: 8.403 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.5
203	17.4	0.0	37.6





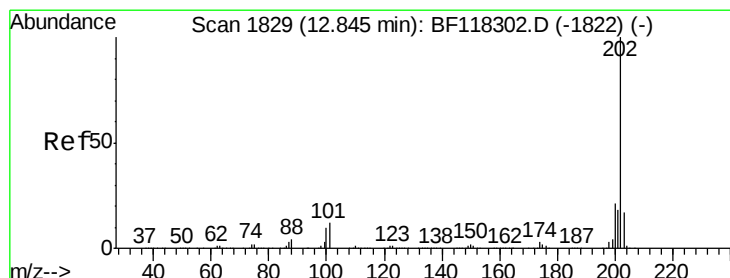
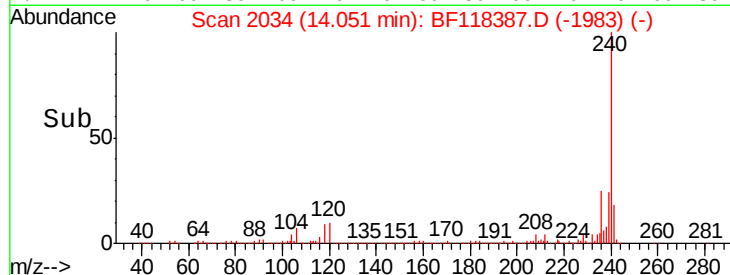
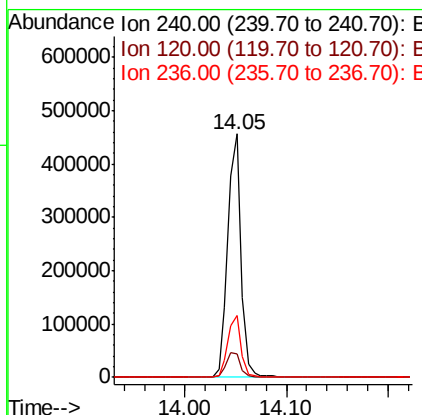
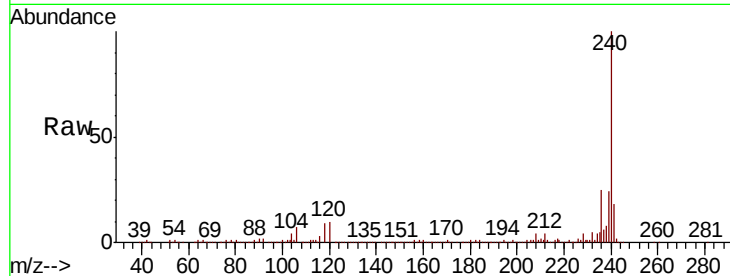
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.1	10.7
236	25.3	21.0	31.6

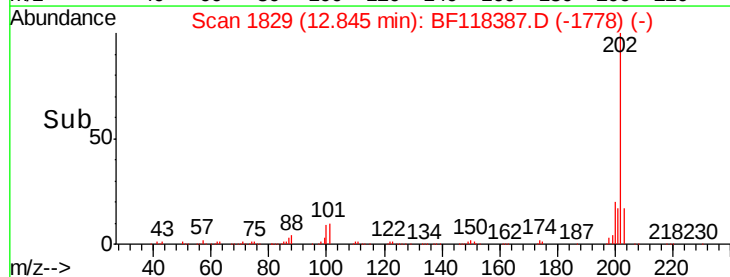
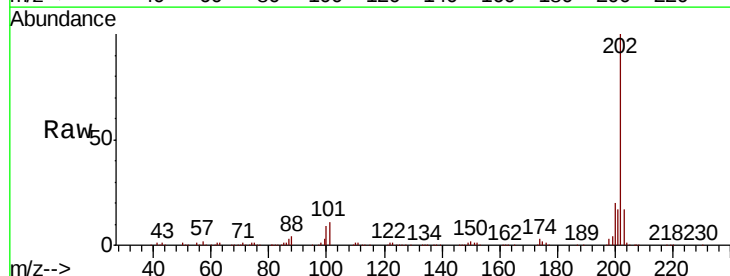
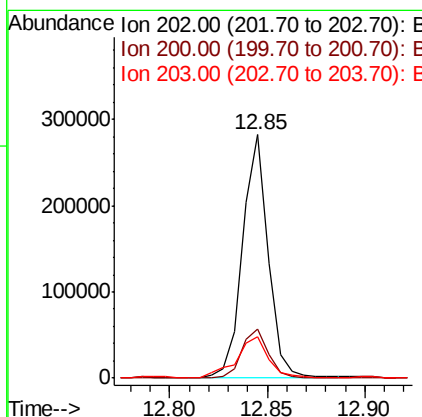
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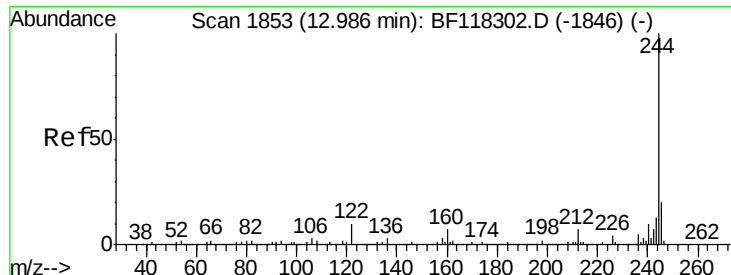
mohammad
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#78
Pyrene
Concen: 7.579 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	17.0	13.9	20.9





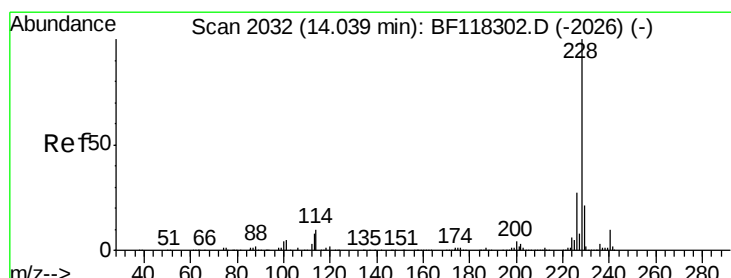
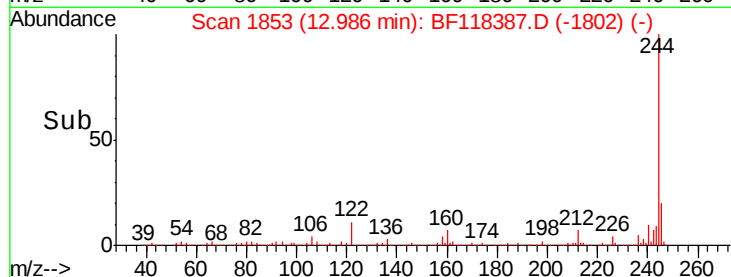
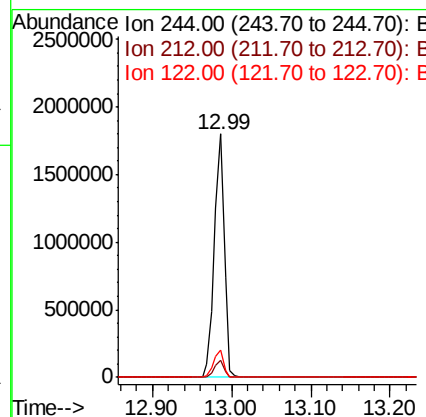
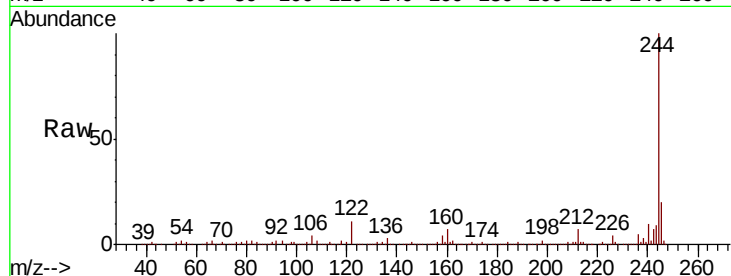
#79
 Terphenyl-d14
 Concen: 63.146 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-03

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.3	7.8	11.8

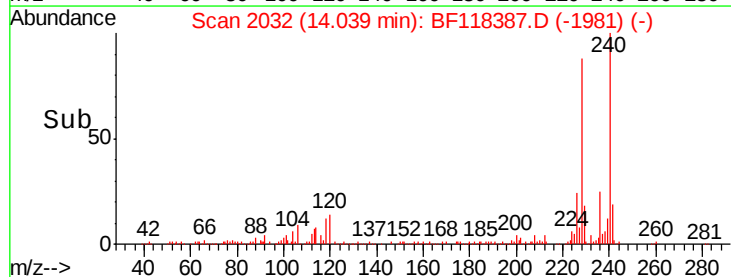
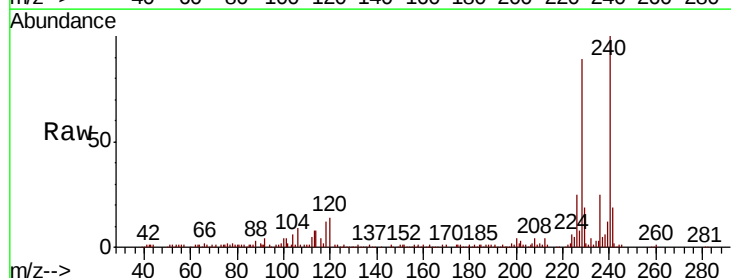
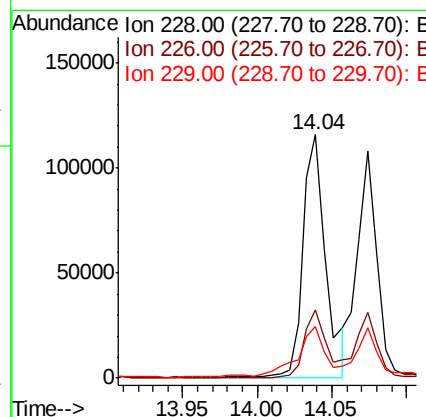
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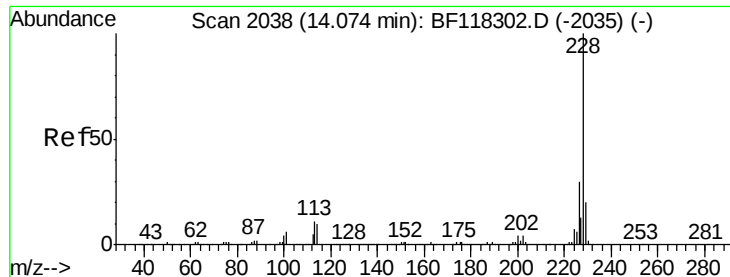
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.288 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	21.0	16.6	24.8





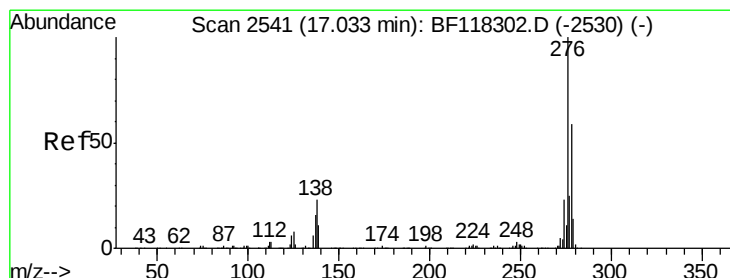
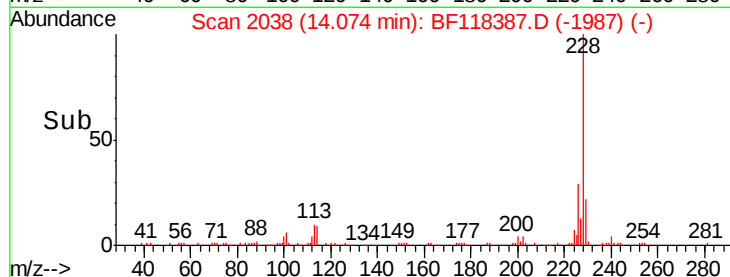
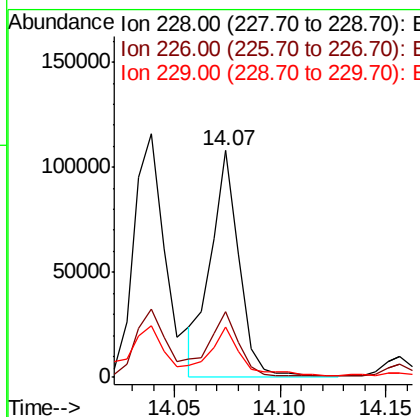
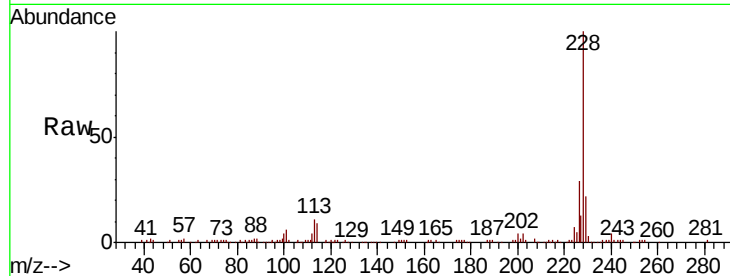
#83
Chrysene
Concen: 3.642 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampled :
SB-03

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.9	35.9
229	22.4	16.1	24.1

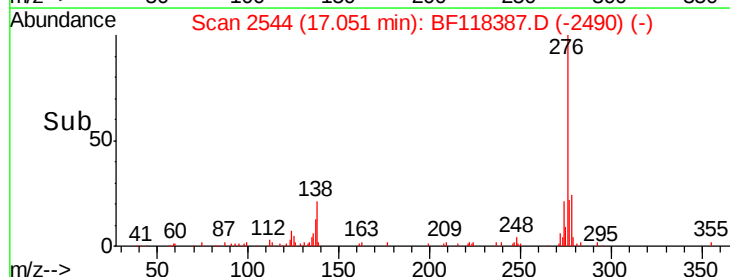
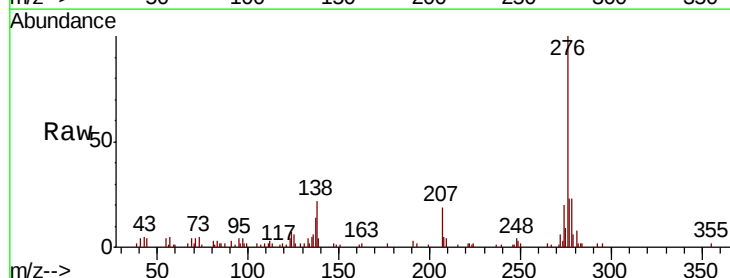
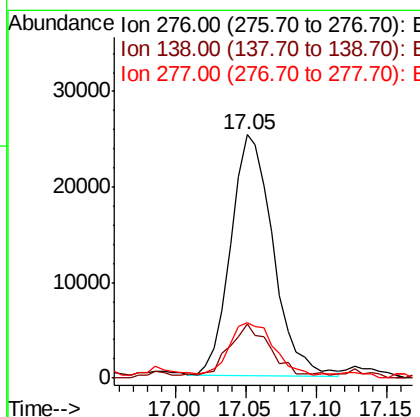
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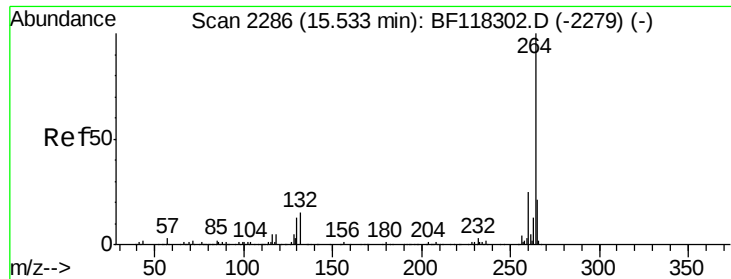
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.223 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.5	29.3
277	22.9	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

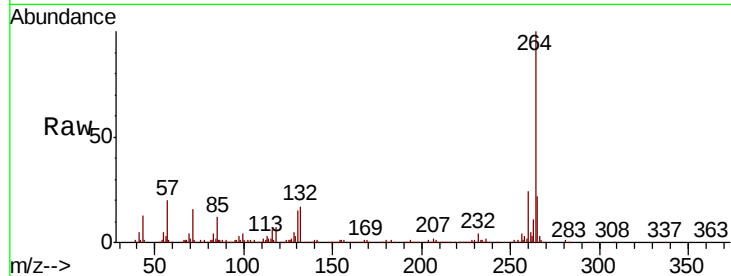
ClientSampled :

SB-03

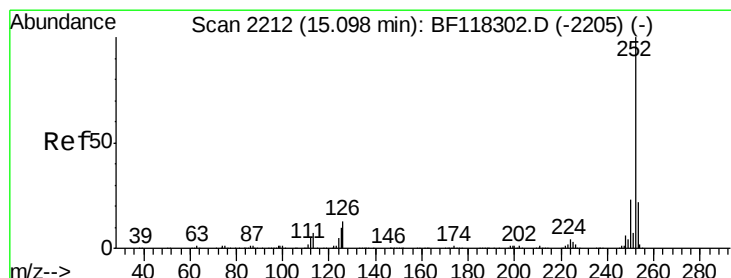
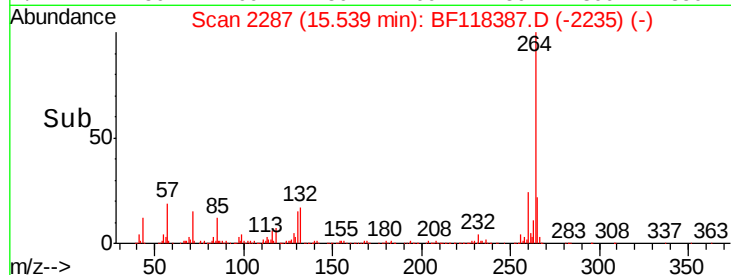
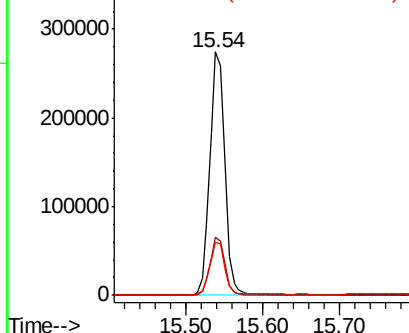
Tot Ion:	264	Resp:	367823
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.8	29.6
265	21.9	17.0	25.4

Manual Integrations
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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: 4.889 ng m

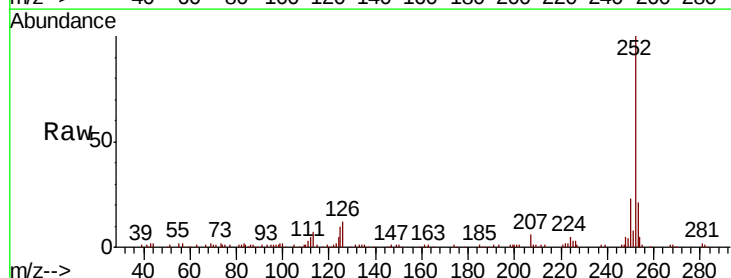
RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

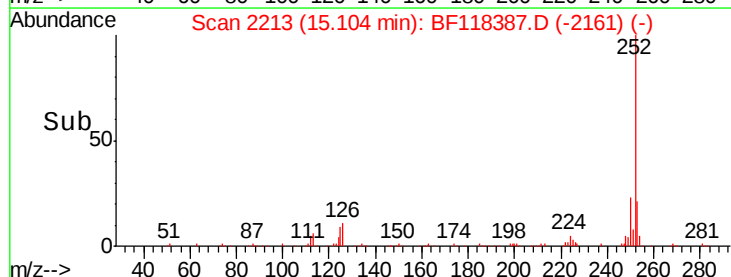
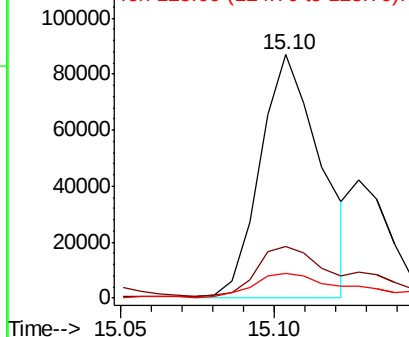
Lab File: BF118387.D

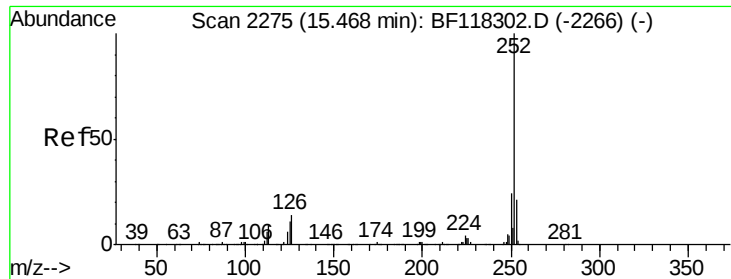
Acq: 30 Dec 2019 18:09

Tgt Ion:	252	Resp:	119379
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.5	26.3
125	10.1	7.7	11.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





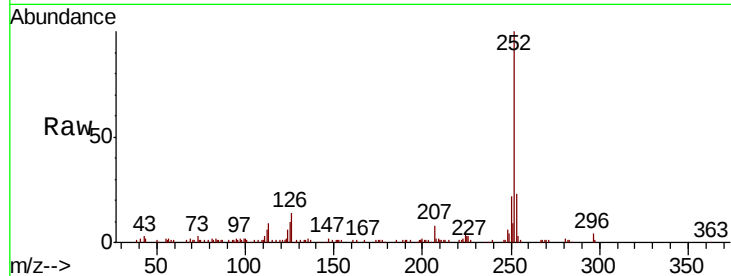
#90
Benzo(a)pyrene
Concen: 3.990 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampled :
SB-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.2	9.0	13.4

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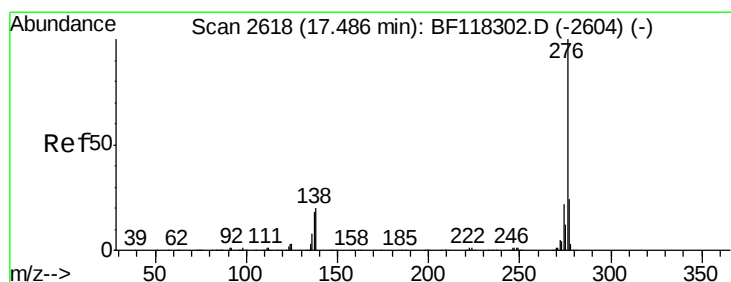
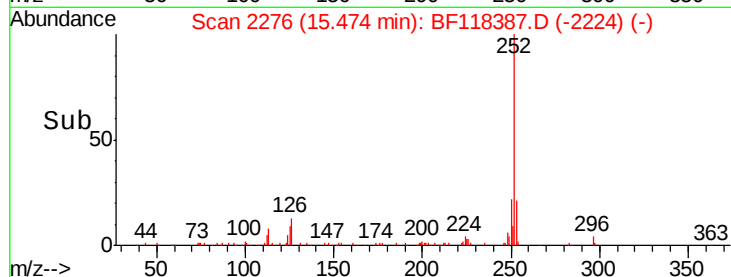
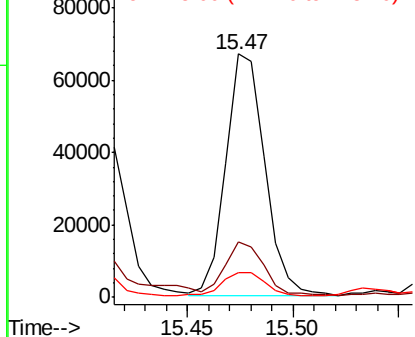


Abundance

Ion 252.00 (251.70 to 252.70): E

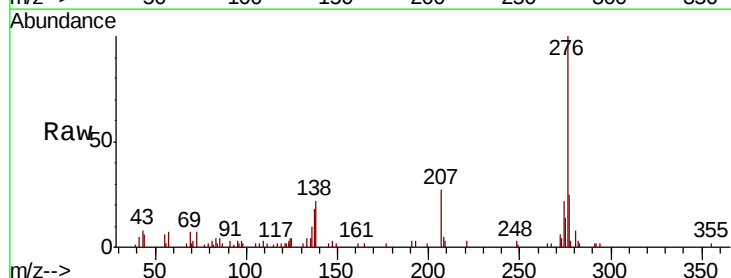
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.796 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.02 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	21.7	16.1	24.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

