

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118422.D
 Acq On : 31 Dec 2019 23:08
 Operator : JU
 Sample : K6464-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

Manual Integrations
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Quant Time: Jan 01 03:45:09 2020
 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	76904	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	278857	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	139738	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	224661	20.00	ng	0.00
76) Chrysene-d12	14.06	240	180839	20.00	ng	0.00
87) Perylene-d12	15.55	264	153278	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	83908	18.62	ng	0.01
7) Phenol-d6	6.49	99	124649	22.30	ng	0.00
23) Nitrobenzene-d5	7.42	82	72464	14.86	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	28386	16.45	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	127847	13.97	ng	0.00
79) Terphenyl-d14	12.99	244	112935	10.36	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.16	128	103220	7.283	ng	98
37) 2-Methylnaphthalene	8.86	142	27759	2.861	ng	92
38) 1-Methylnaphthalene	8.96	142	21449	2.346	ng	# 99
52) Acenaphthene	9.93	154	50705	6.310	ng	98
55) Dibenzofuran	10.11	168	60733	5.115	ng	99
58) Fluorene	10.45	166	39521	4.123	ng	99
71) Phenanthrene	11.42	178	620166	50.637	ng	99
72) Anthracene	11.47	178	85584	6.981	ng	98
73) Carbazole	11.63	167	39795	3.658	ng	98
75) Fluoranthene	12.62	202	454537	36.774	ng	100
78) Pyrene	12.85	202	379179	25.677	ng	100
81) Benzo(a)anthracene	14.04	228	199491	15.760	ng	99
83) Chrysene	14.08	228	175613	14.489	ng	97
86) Indeno(1,2,3-cd)pyrene	17.07	276	47208	4.571	ng	94
88) Benzo(b)fluoranthene	15.12	252	168163m	16.528	ng	
89) Benzo(k)fluoranthene	15.14	252	63383m	6.488	ng	
90) Benzo(a)pyrene	15.49	252	101879	11.367	ng	97
92) Benzo(g,h,i)perylene	17.53	276	36734	4.889	ng	99

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

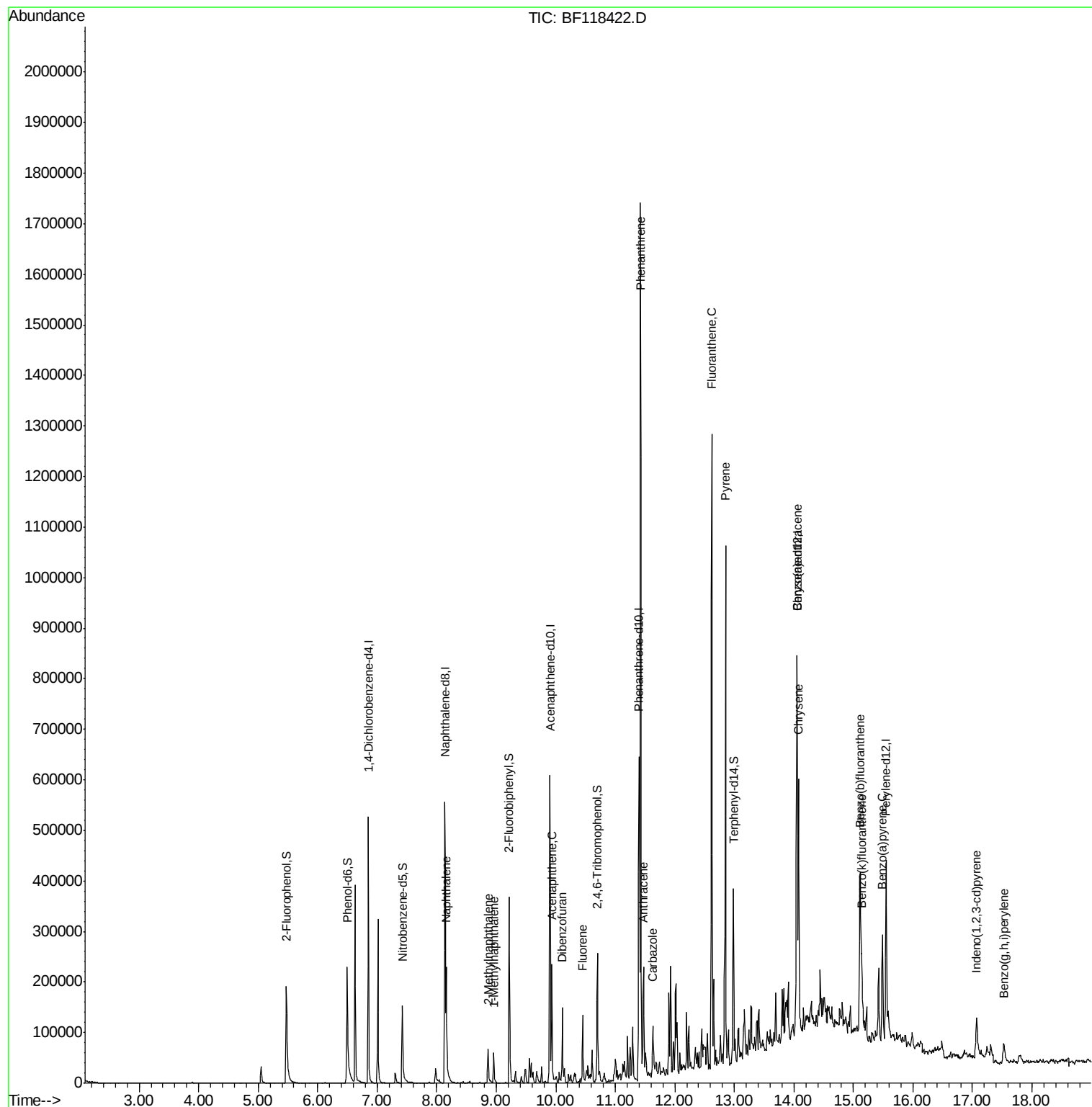
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
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ALS Vial : 25 Sample Multiplier: 1

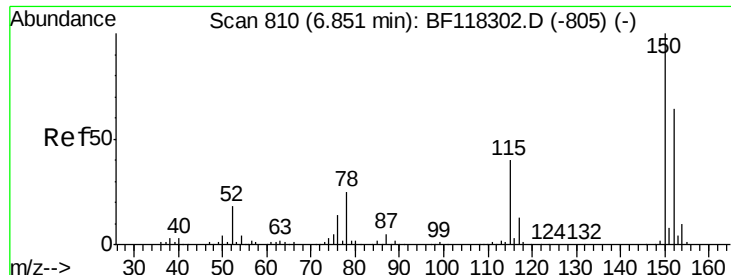
Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Quant Time: Jan 01 03:45:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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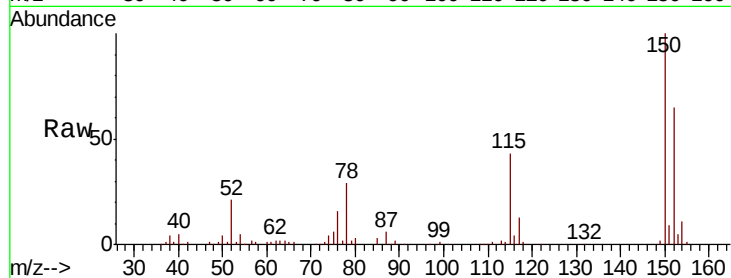
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF118422.D
 Acq: 31 Dec 2019 23:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.4	188.2
115	66.1	50.2	75.4

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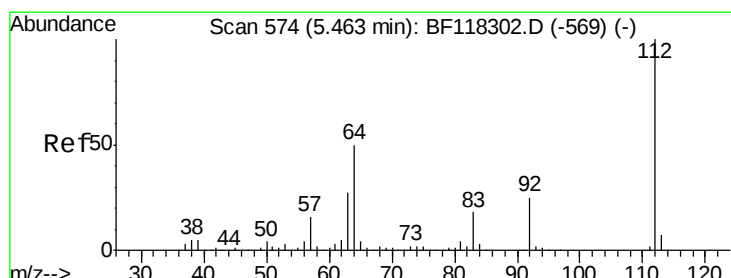
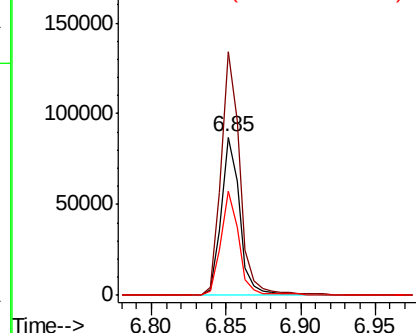
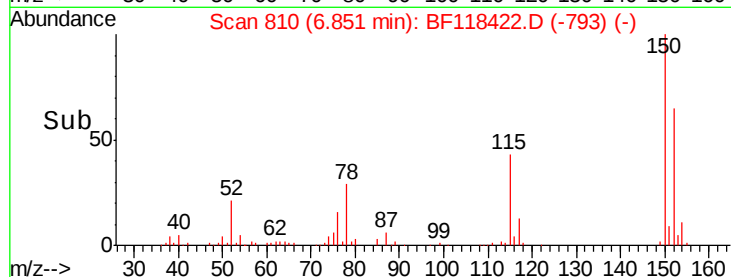


Abundance

Ion 152.00 (151.70 to 152.70): E

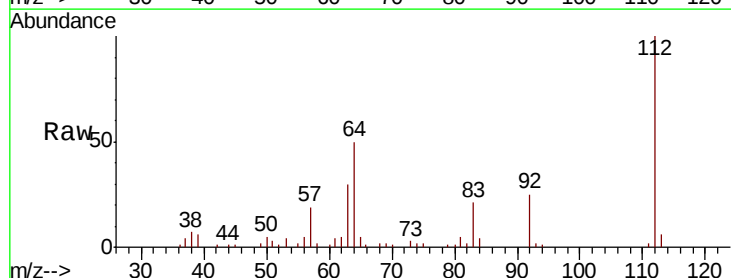
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 18.625 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF118422.D
 Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	39.7	59.5
63	29.9	21.7	32.5

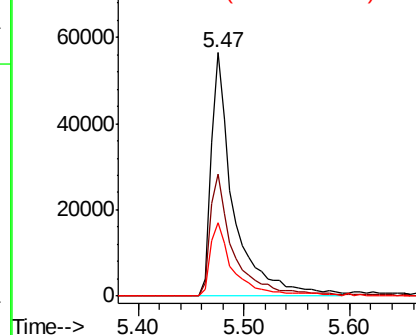
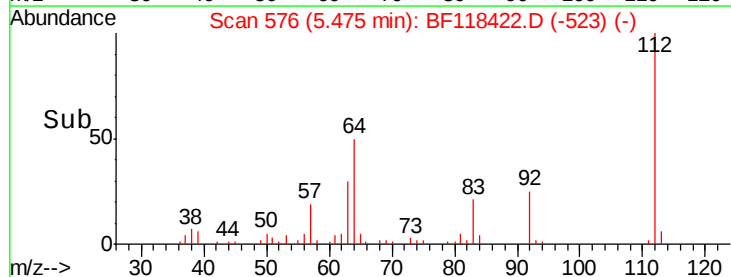


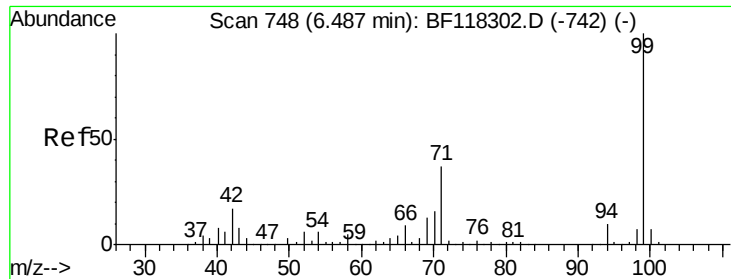
Abundance

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: 22.303 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Instrument :

BNA_F

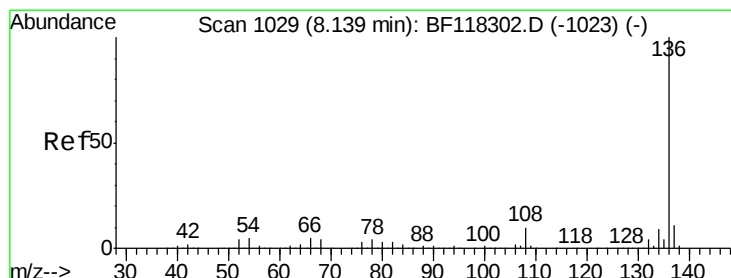
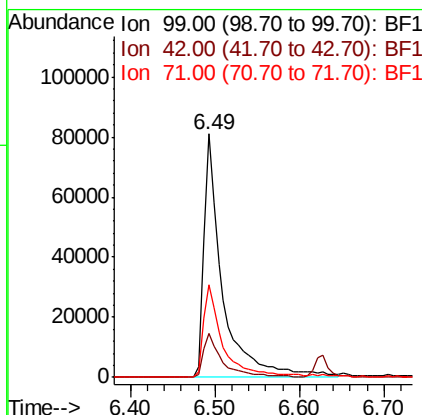
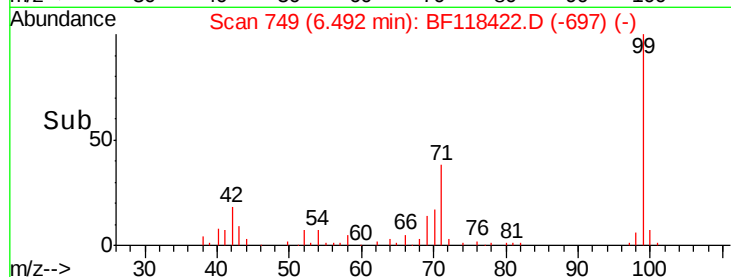
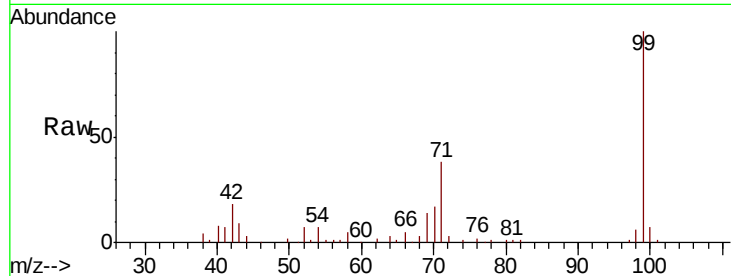
ClientSampled :

SB-5-(8-10)

Tot Ion:	99	Resp:	124649
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.5	20.3
71	38.3	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.000 ng

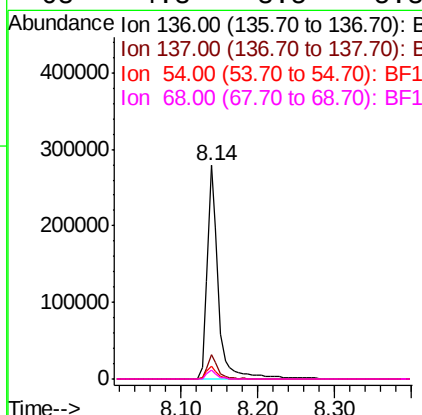
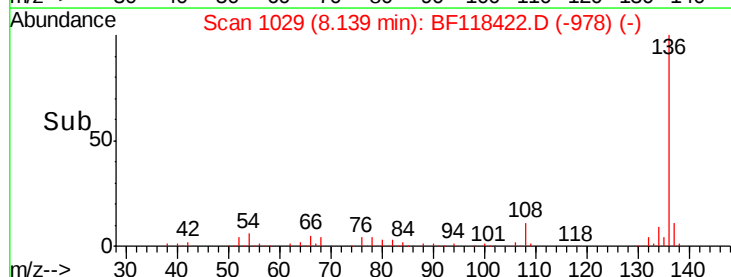
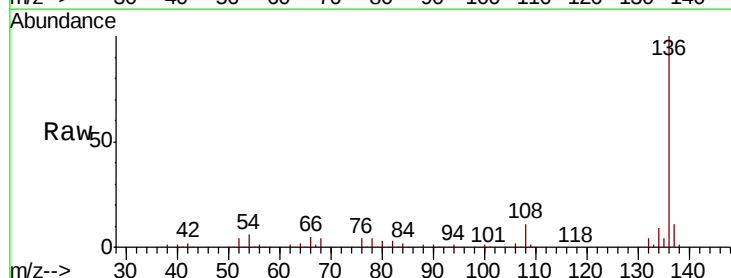
RT: 8.14 min Scan# 1029

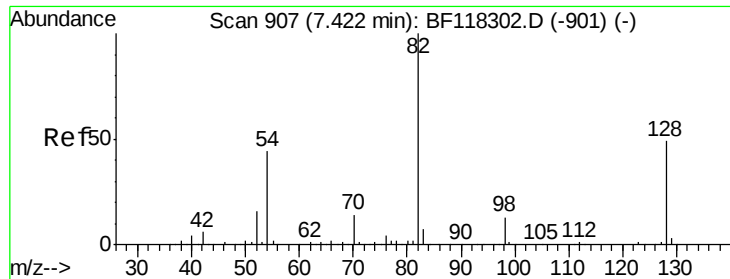
Delta R.T. -0.00 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Tgt Ion:	136	Resp:	278857
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	5.8	4.2	6.4
68	4.3	3.5	5.3





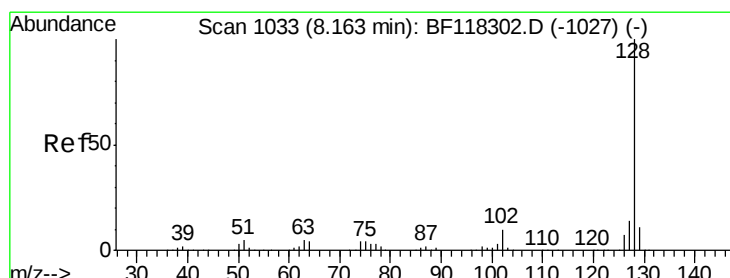
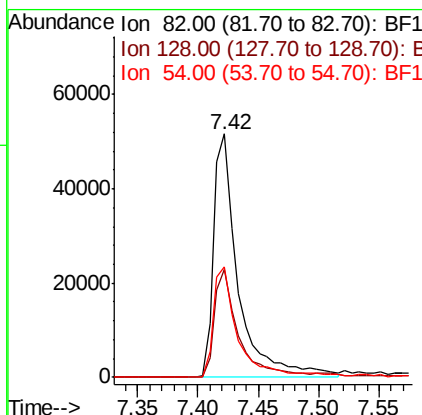
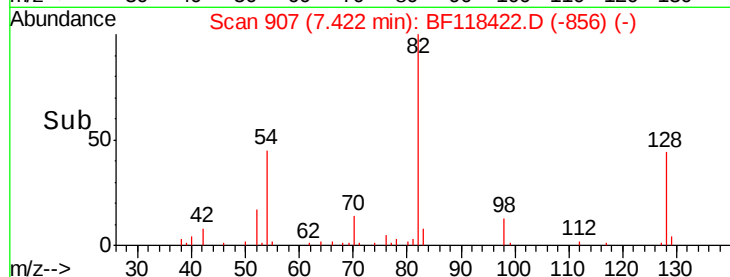
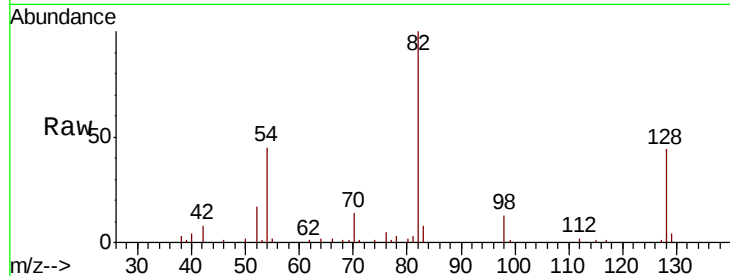
#23
Nitrobenzene-d5
Concen: 14.863 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	39.6	59.4
54	45.4	34.9	52.3

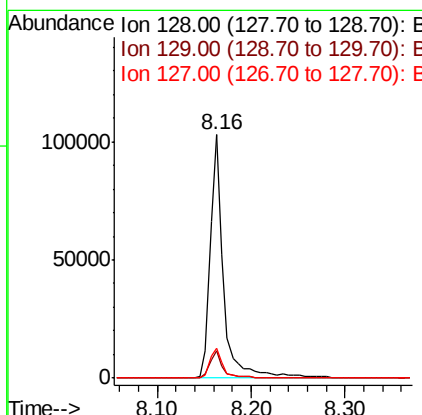
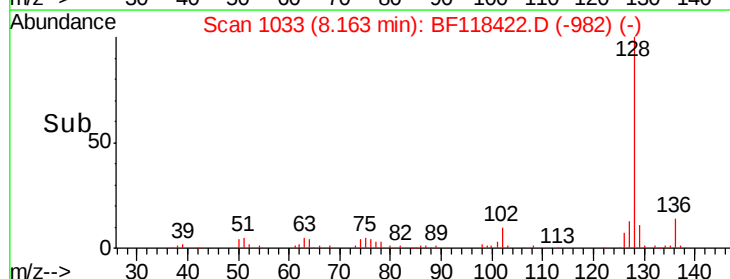
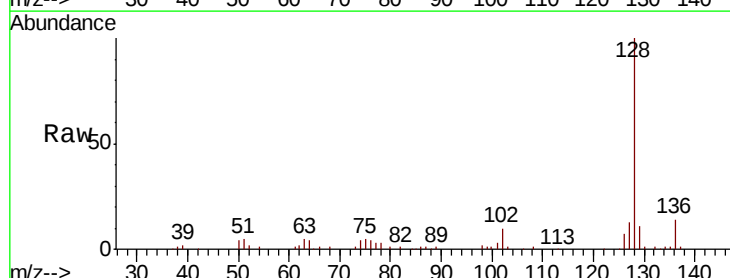
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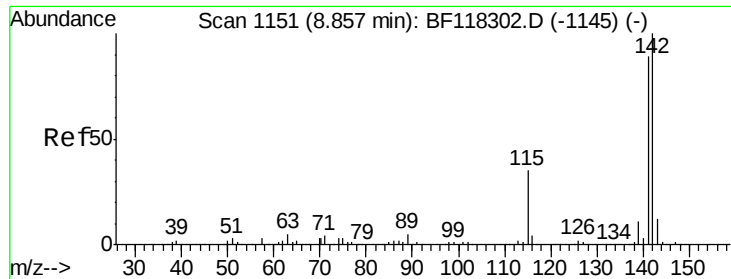
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#31
Naphthalene
Concen: 7.283 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.5	11.0	16.4





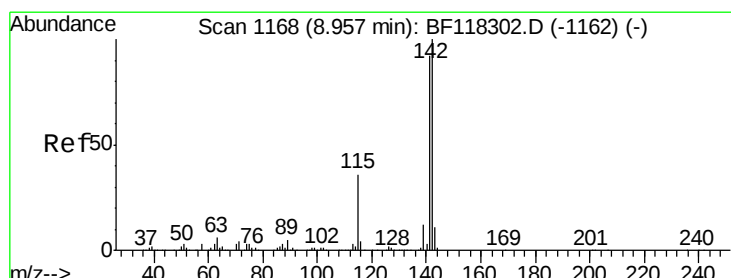
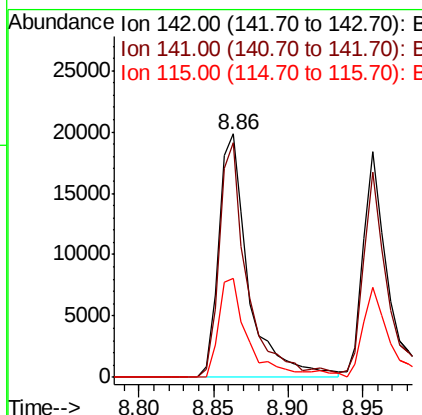
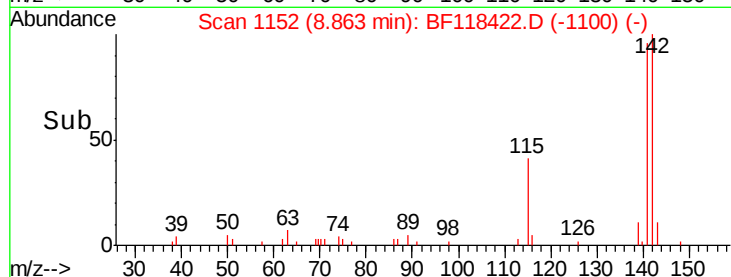
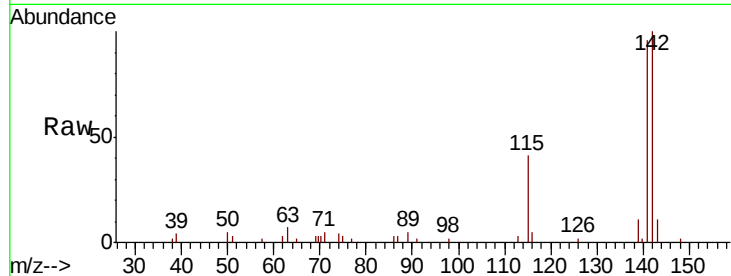
#37
2-Methylnaphthalene
Concen: 2.861 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.3	71.2	106.8
115	40.8	28.0	42.0

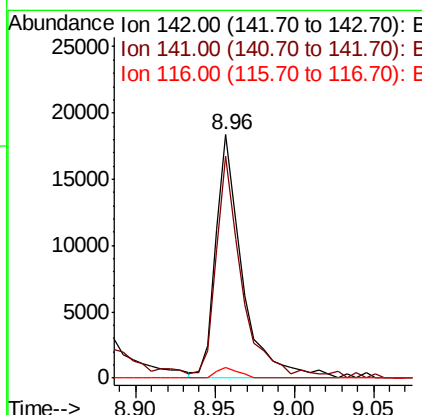
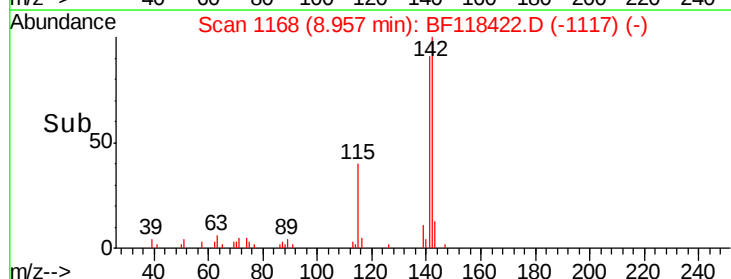
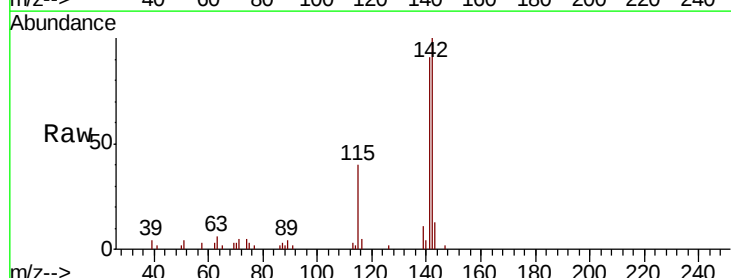
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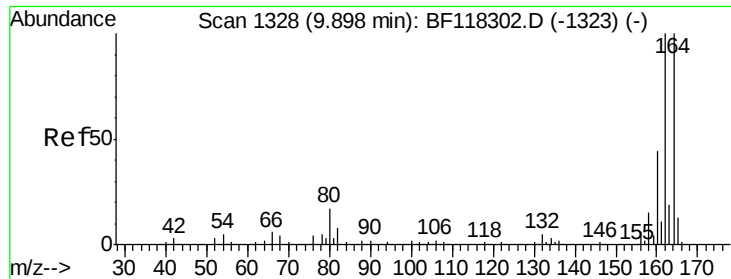
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#38
1-Methylnaphthalene
Concen: 2.346 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.4	110.2
116	4.6	2.9	4.3#





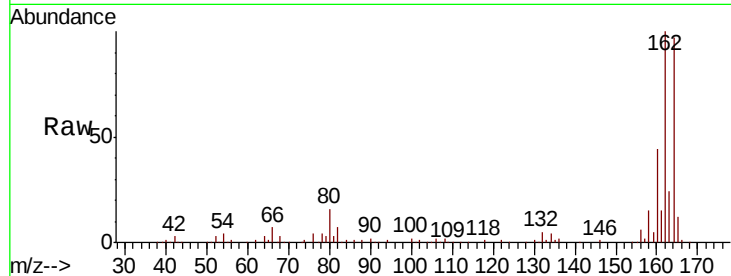
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.0	120.0
160	45.3	34.8	52.2

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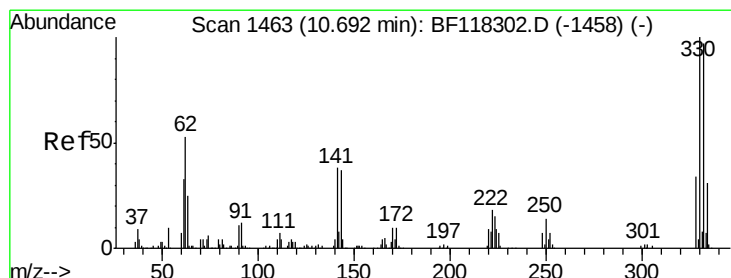
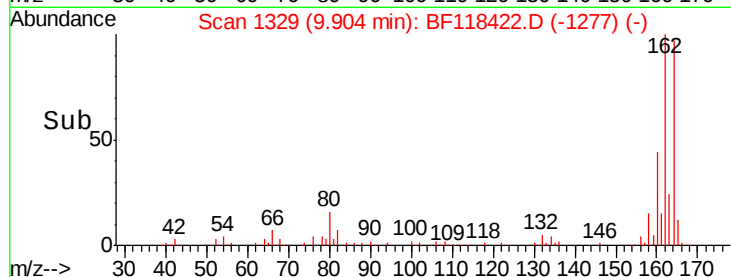
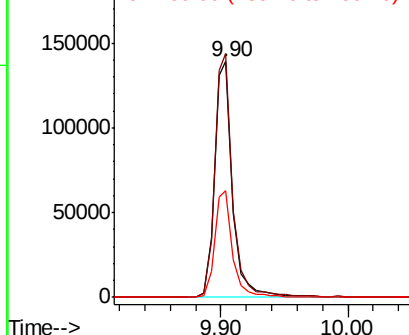


Abundance

Ion 164.00 (163.70 to 164.70): E

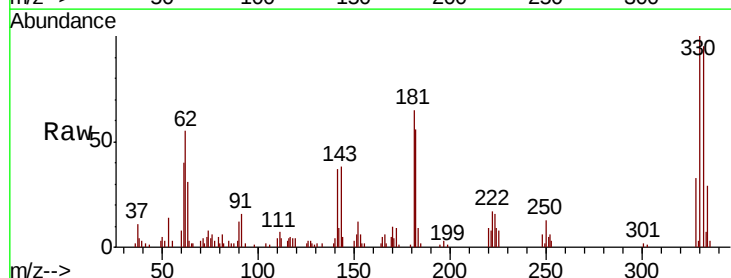
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 16.449 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	38.6	26.0	39.0

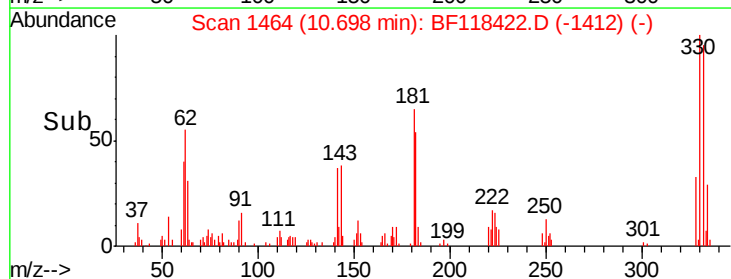
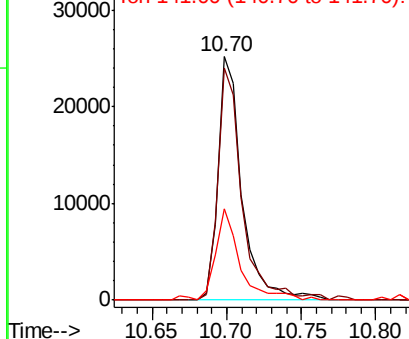


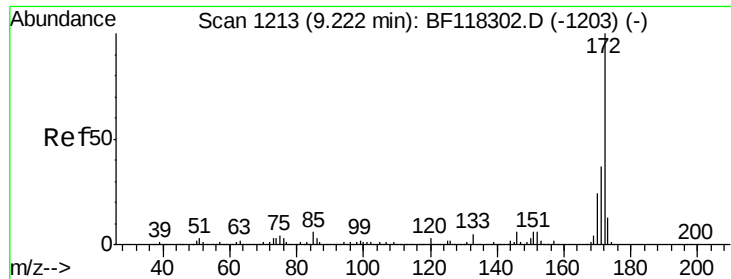
Abundance

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





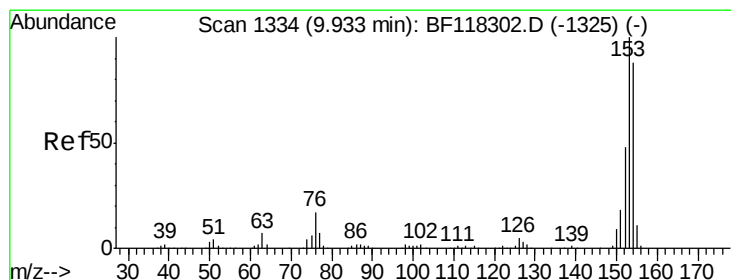
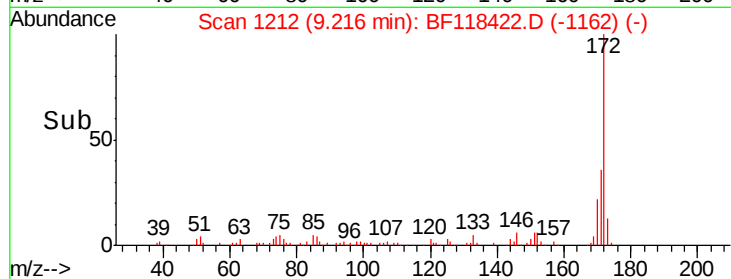
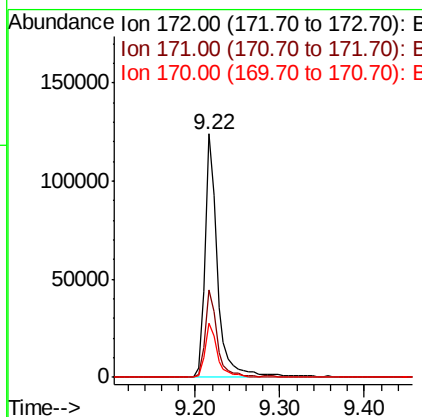
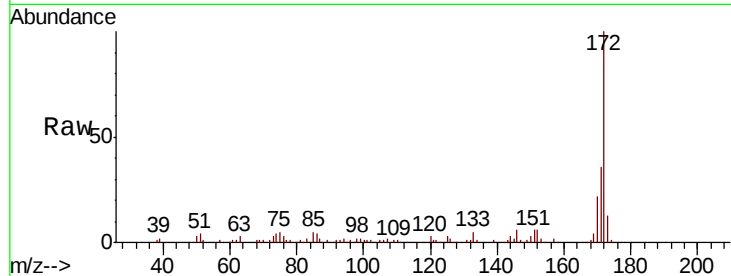
#45
2-Fluorobiphenyl
Concen: 13.966 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	22.3	19.2	28.8

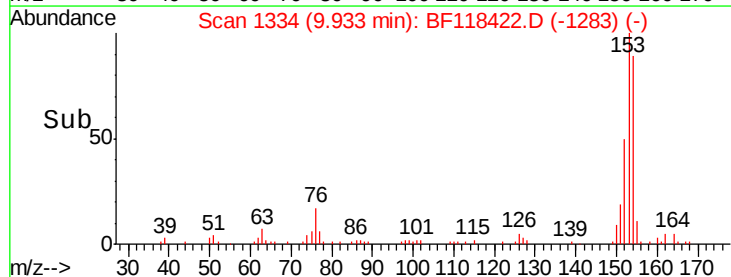
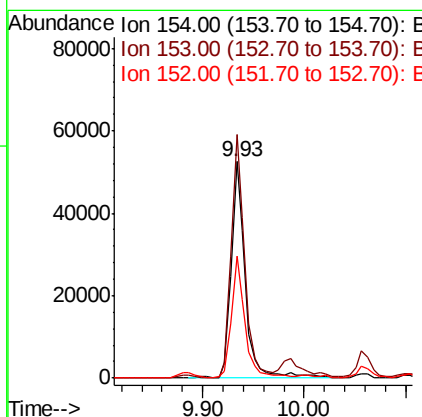
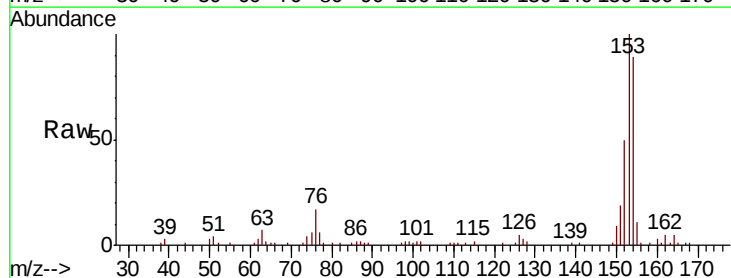
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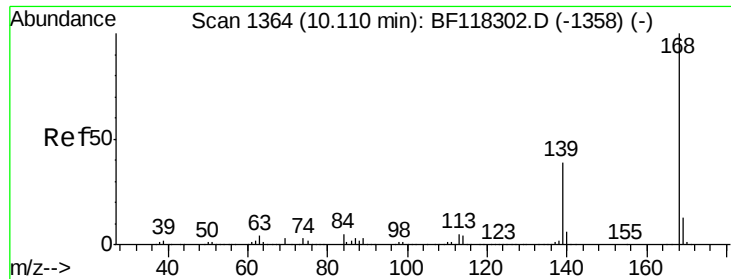
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#52
Acenaphthene
Concen: 6.310 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.6	136.0
152	56.6	43.1	64.7





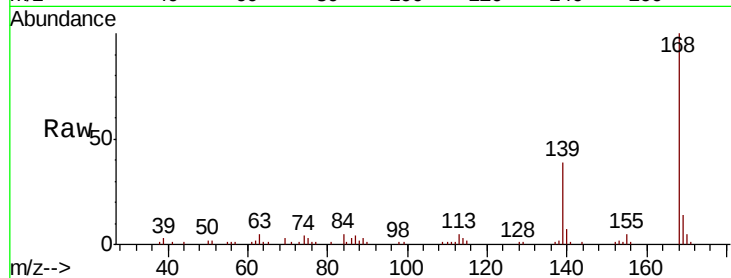
#55
Dibenzenofuran
Concen: 5.115 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.5	47.3
169	14.3	10.4	15.6

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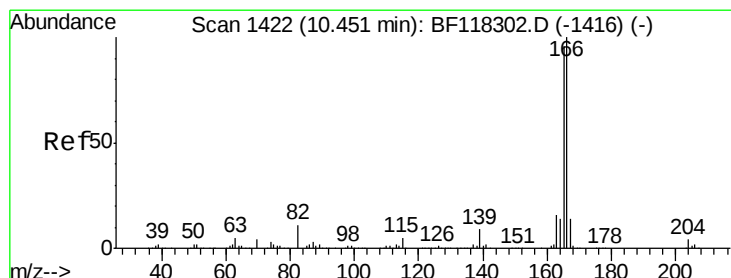
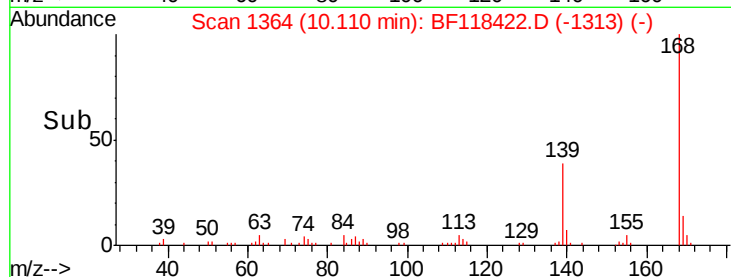
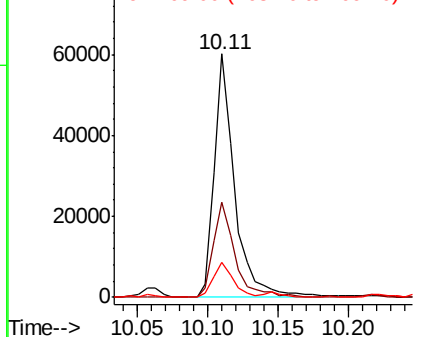


Abundance

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: 4.123 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

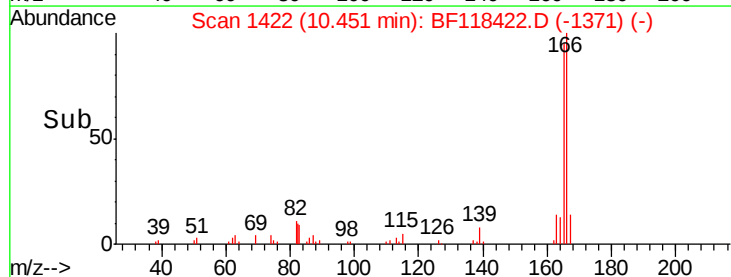
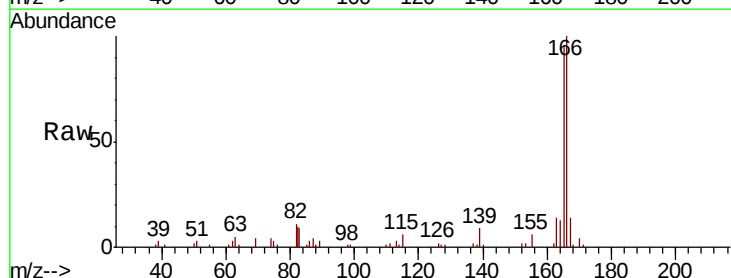
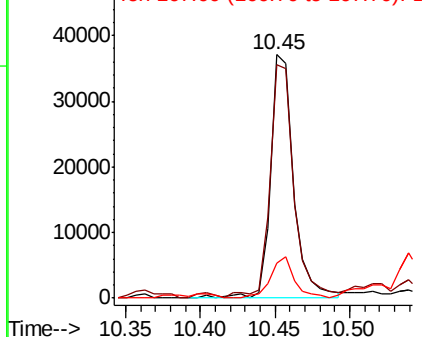
Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.0	115.4
167	14.5	10.9	16.3

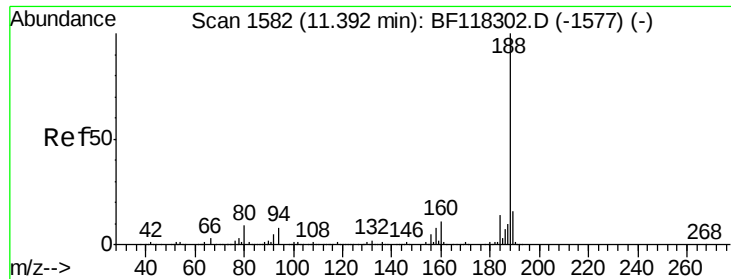
Abundance

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: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Instrument :

BNA_F

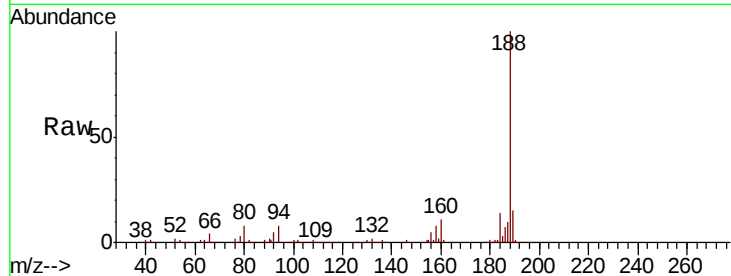
ClientSampled :

SB-5-(8-10)

Tot Ion:	188	Resp:	224661
Ion Ratio	Lower	Upper	
188	100		
94	7.8	6.7	10.1
80	8.3	7.2	10.8

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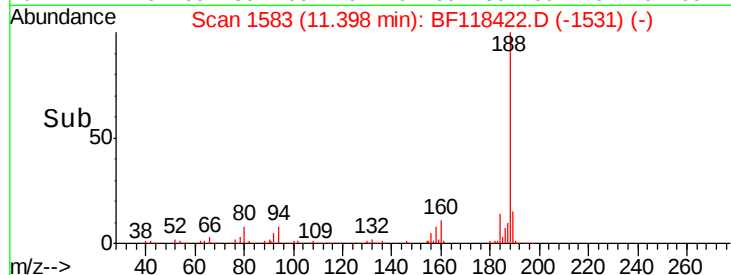


Abundance Ion 188.00 (187.70 to 188.70): E

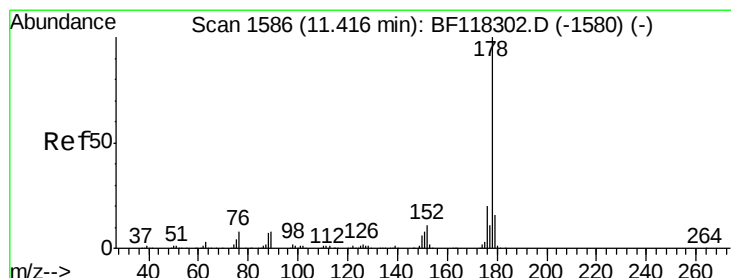
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#71

Phenanthrene

Concen: 50.637 ng

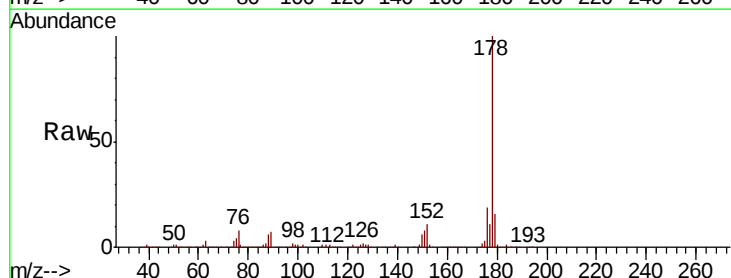
RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Tgt Ion:	178	Resp:	620166
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.6	23.4
179	15.9	12.6	19.0

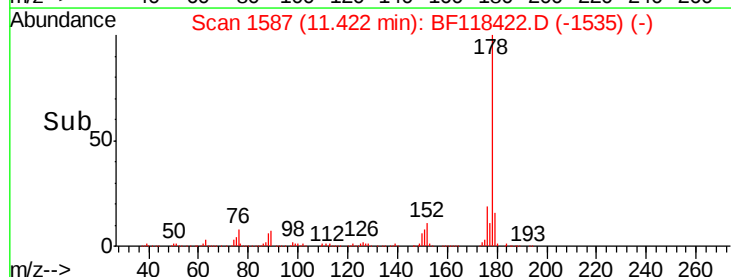


Abundance Ion 178.00 (177.70 to 178.70): E

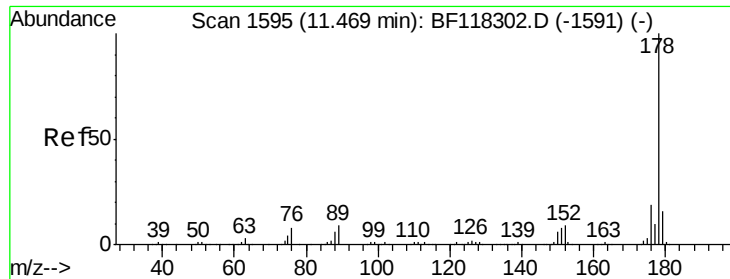
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



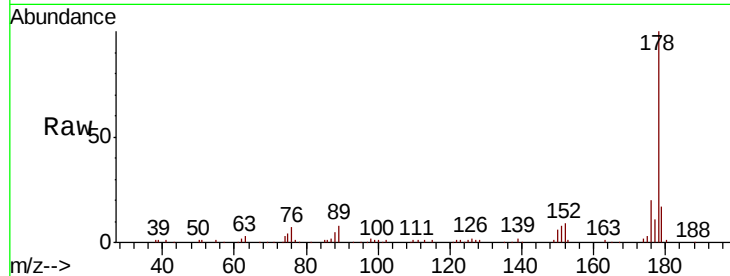
#72
 Anthracene
 Concen: 6.981 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: BF118422.D
 Acq: 31 Dec 2019 23:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.2	22.8
179	16.7	12.9	19.3

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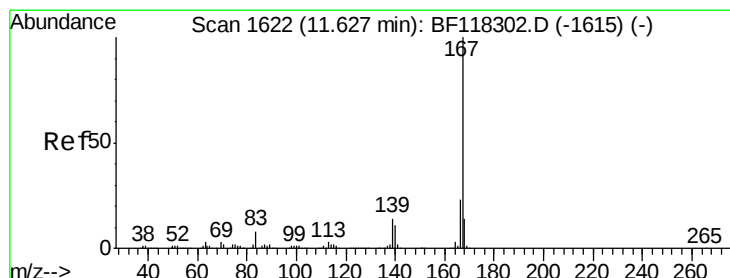
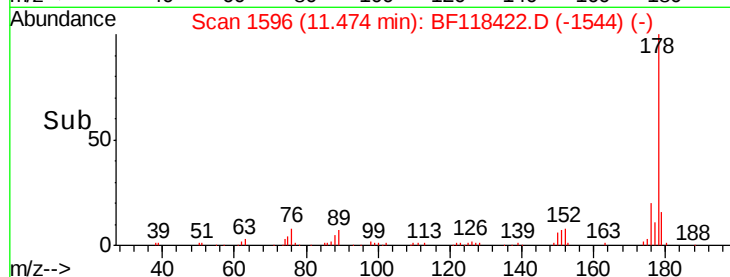
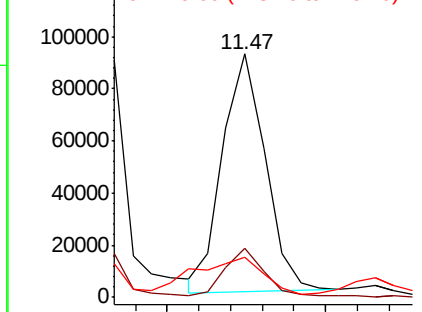


Abundance

Ion 178.00 (177.70 to 178.70): E

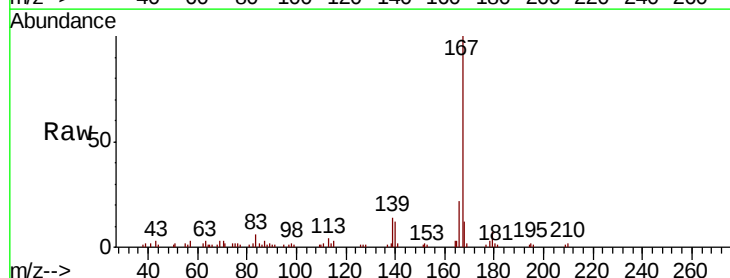
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
 Carbazole
 Concen: 3.658 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF118422.D
 Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	13.6	11.5	17.3

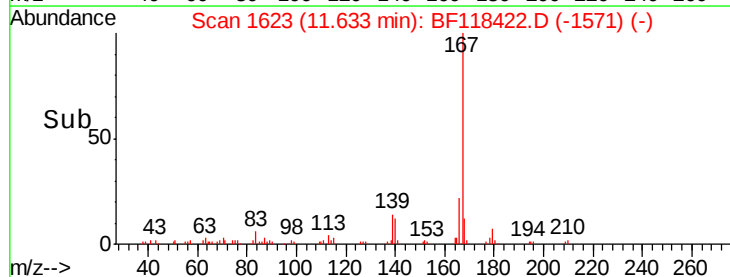
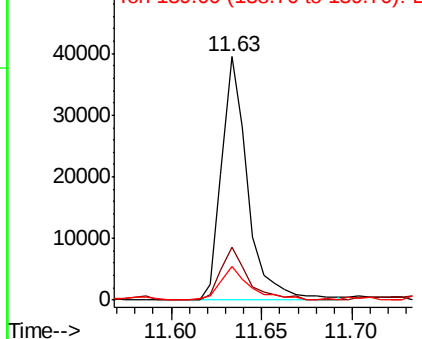


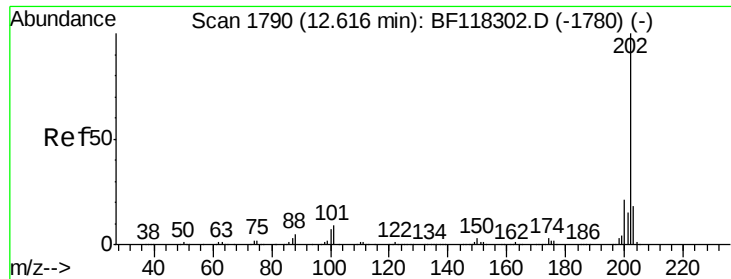
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 36.774 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Instrument :

BNA_F

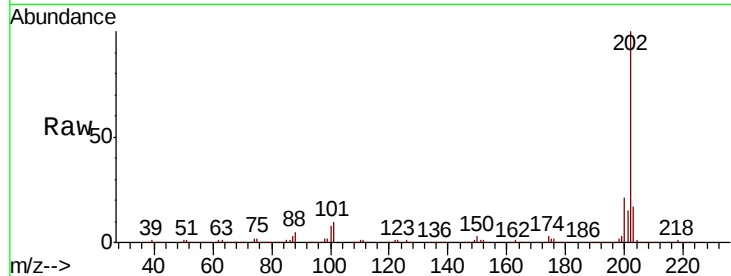
ClientSampleId :

SB-5-(8-10)

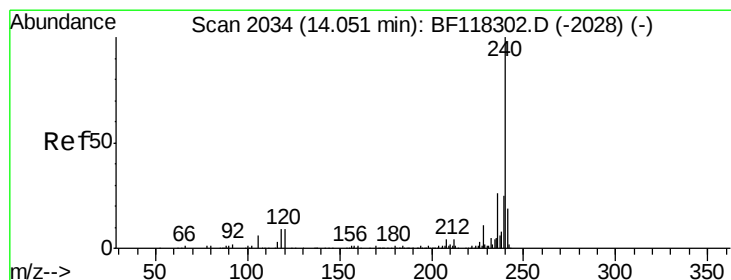
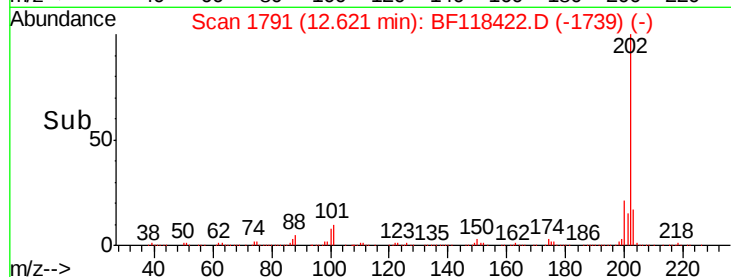
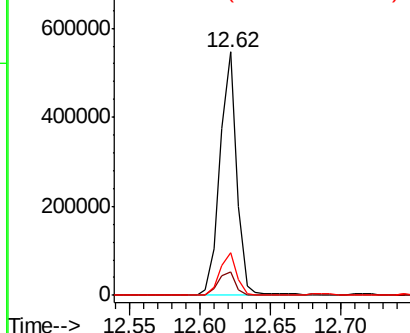
Tot Ion:	202	Resp:	454537
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	29.5
203	17.4	0.0	37.6

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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

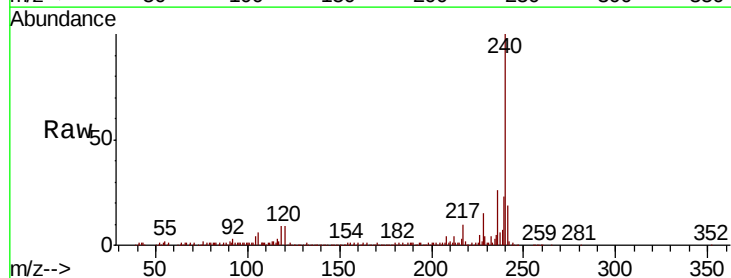
RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

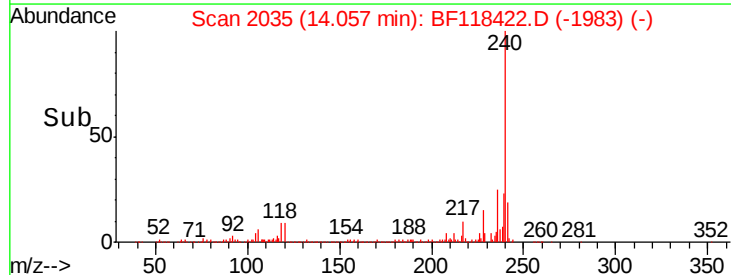
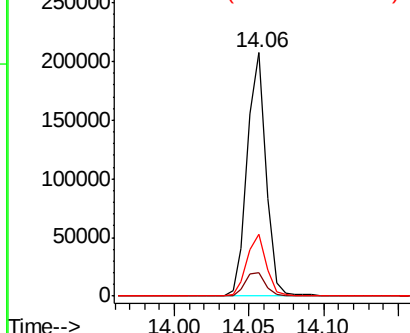
Lab File: BF118422.D

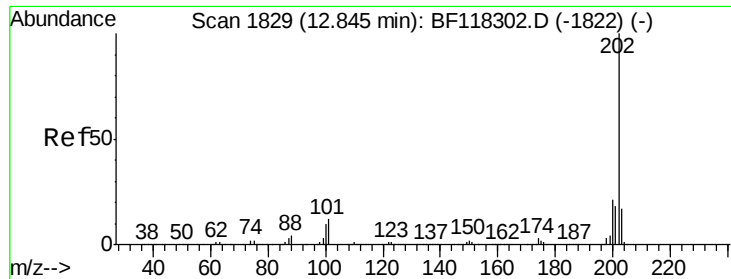
Acq: 31 Dec 2019 23:08

Tgt Ion:	240	Resp:	180839
Ion Ratio	Lower	Upper	
240	100		
120	9.5	7.1	10.7
236	25.5	21.0	31.6



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





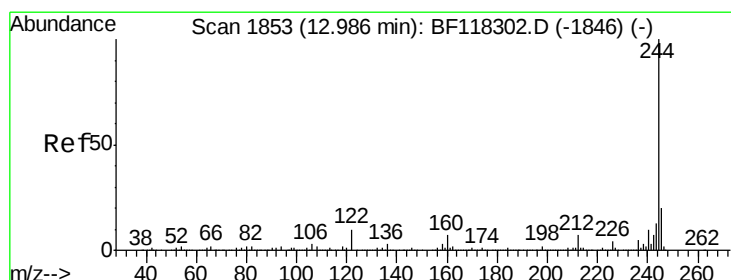
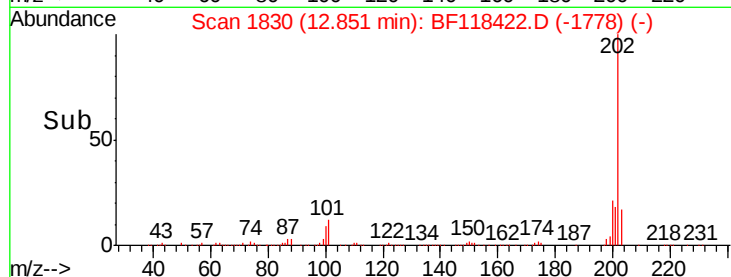
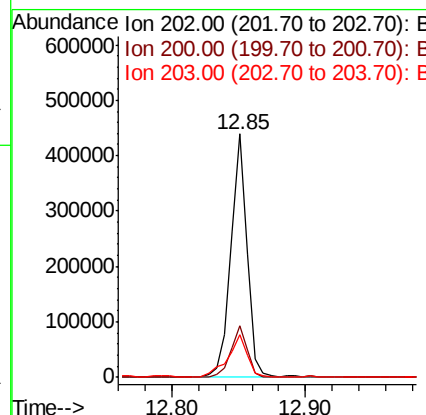
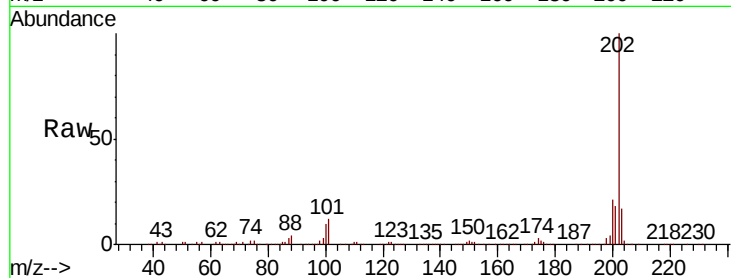
#78
Pvrene
Concen: 25.677 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.3	13.9	20.9

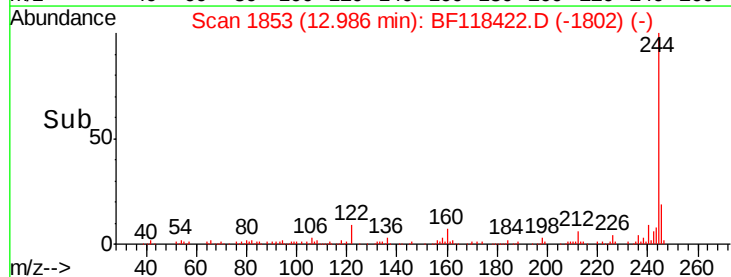
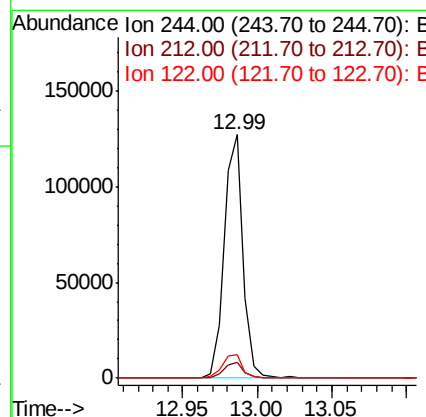
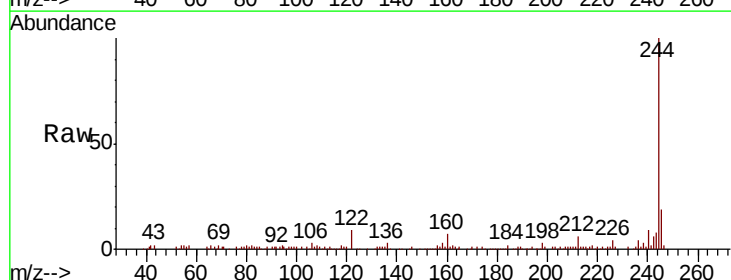
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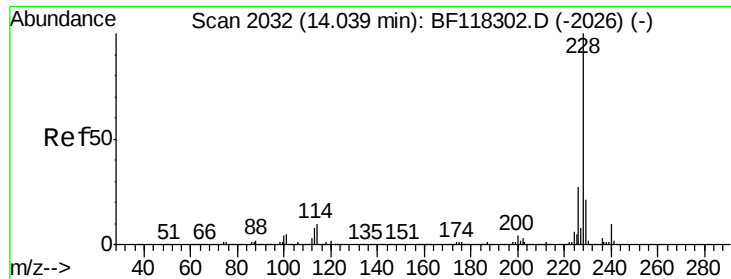
mohammad
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#79
Terphenyl-d14
Concen: 10.361 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.4	7.8	11.8





#81

Benzo(a)anthracene

Concen: 15.760 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Instrument :

BNA_F

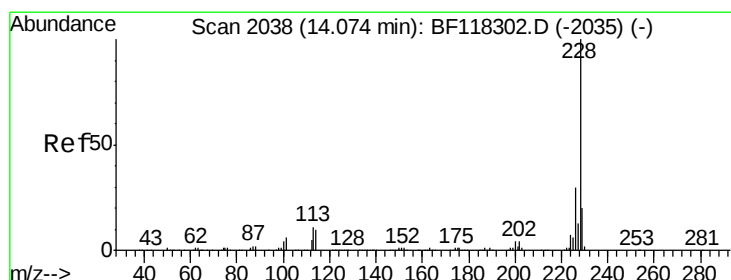
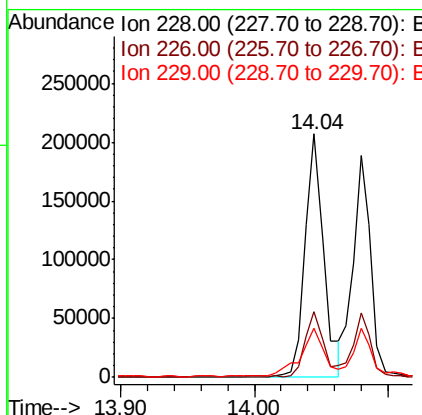
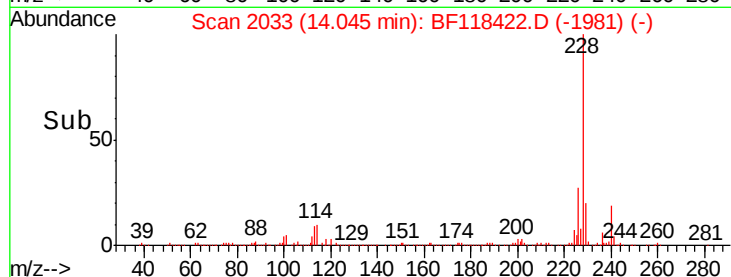
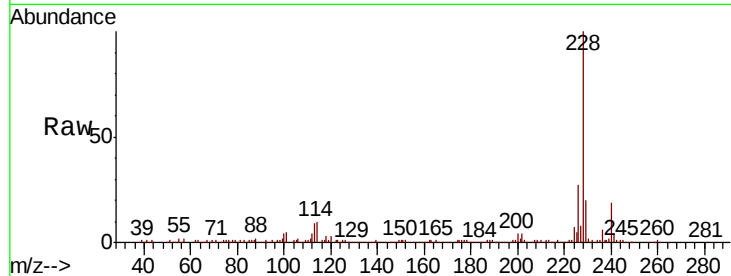
ClientSampleId :

SB-5-(8-10)

Tot Ion:	228	Resp:	199491
Ion Ratio	Lower	Upper	
228	100		
226	27.0	22.0	33.0
229	20.2	16.6	24.8

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#83

Chrysene

Concen: 14.489 ng

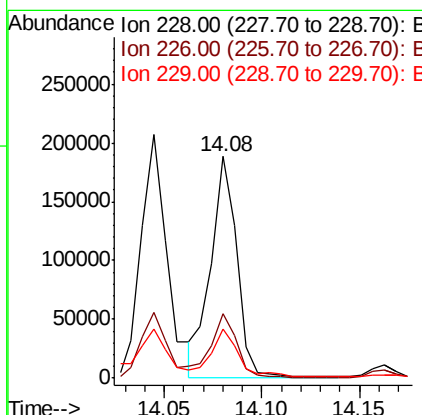
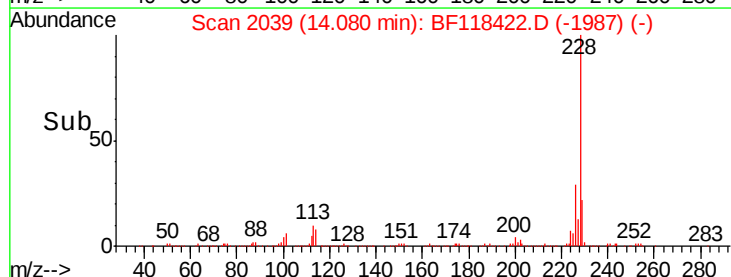
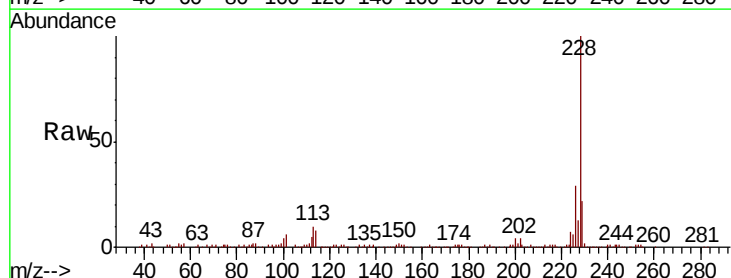
RT: 14.08 min Scan# 2039

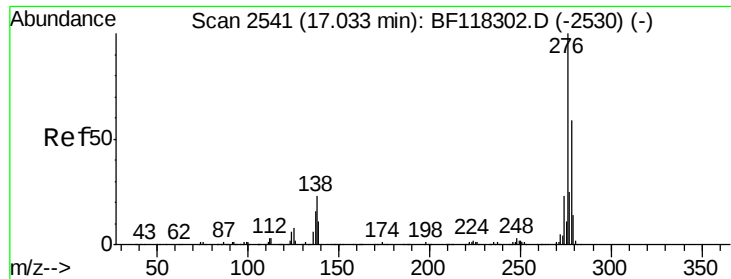
Delta R.T. 0.01 min

Lab File: BF118422.D

Acq: 31 Dec 2019 23:08

Tgt Ion:	228	Resp:	175613
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.9	35.9
229	21.9	16.1	24.1





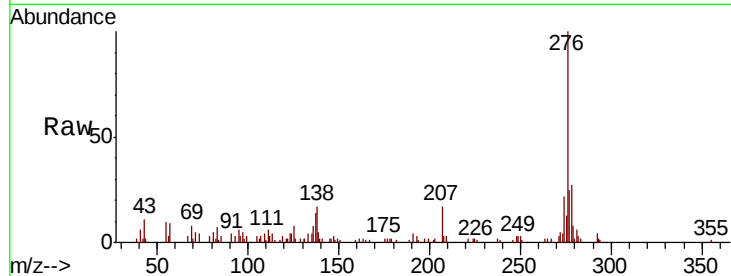
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.571 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.5	29.3
277	27.9	20.6	30.8

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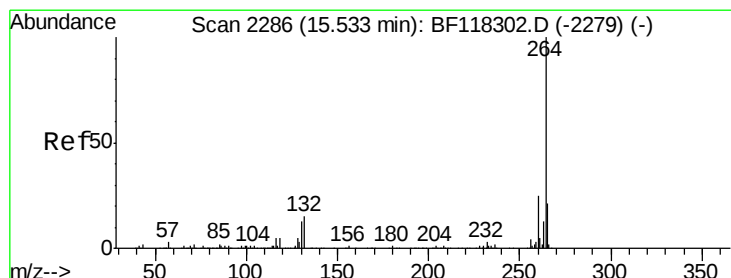
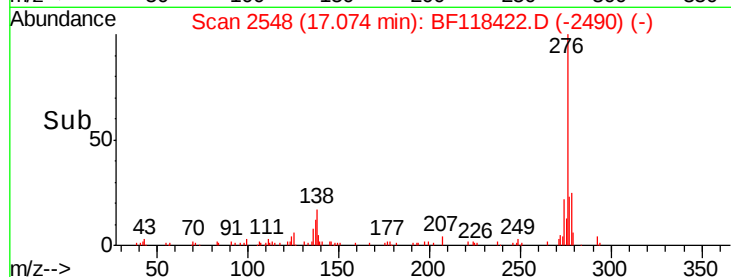
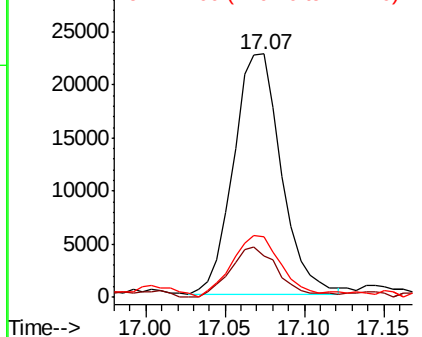


Abundance

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: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

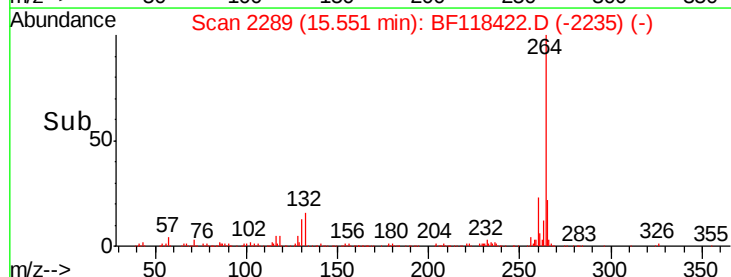
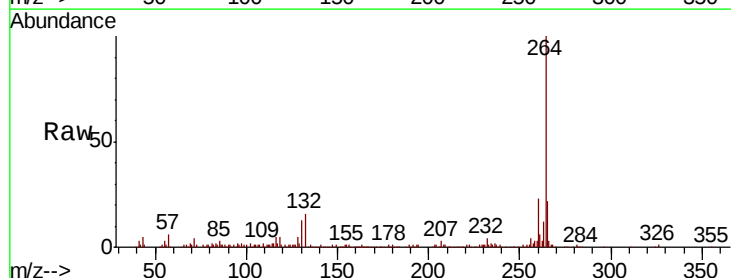
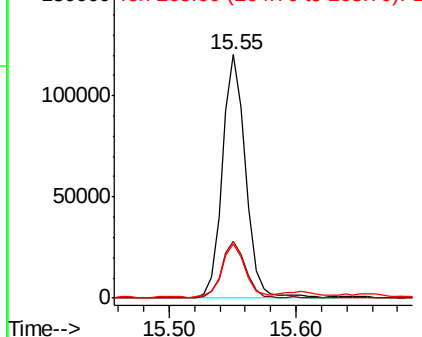
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.8	29.6
265	22.1	17.0	25.4

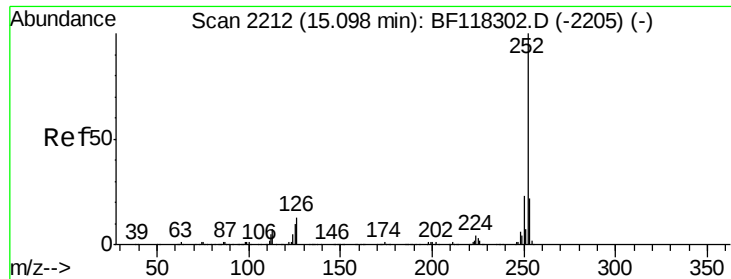
Abundance

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





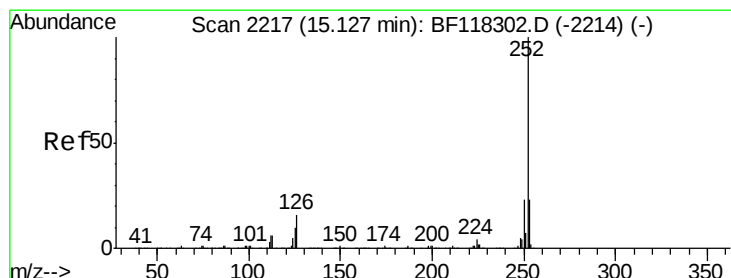
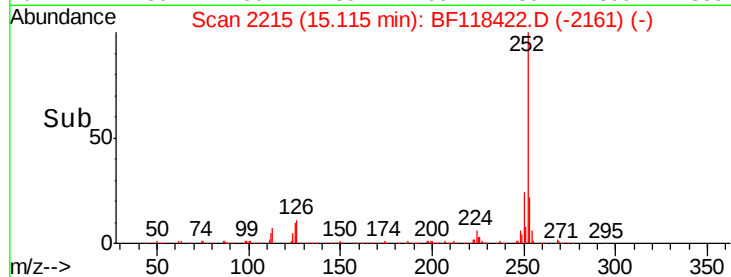
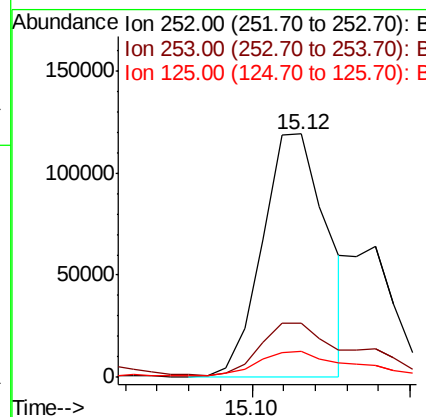
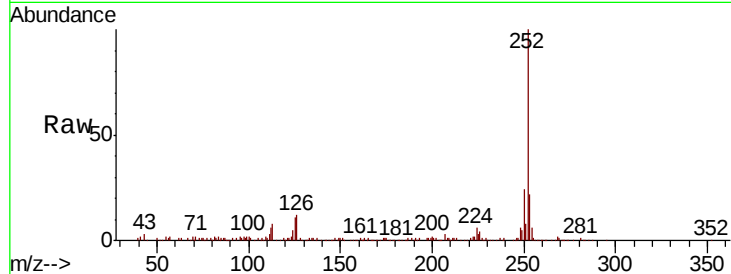
#88
Benzo(b)fluoranthene
Concen: 16.528 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.6	7.7	11.5

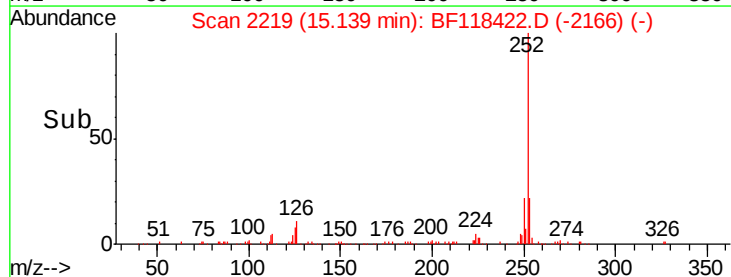
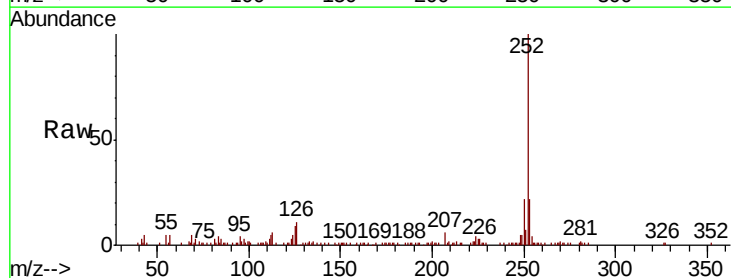
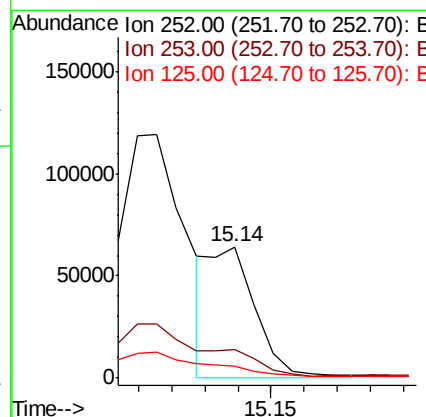
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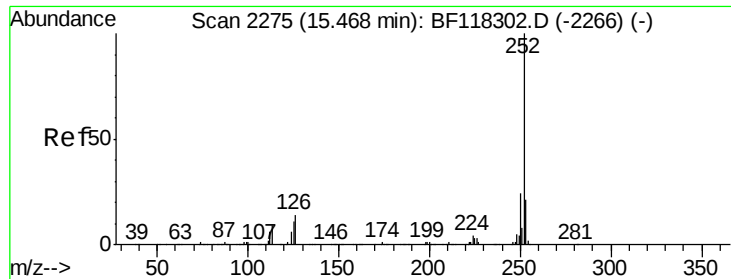
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.488 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.4	8.0	12.0





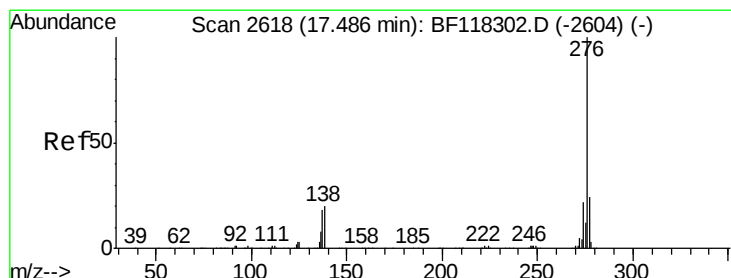
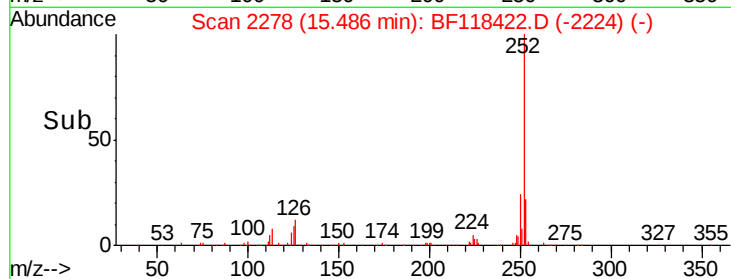
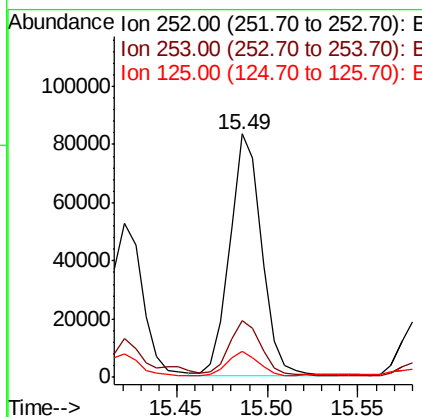
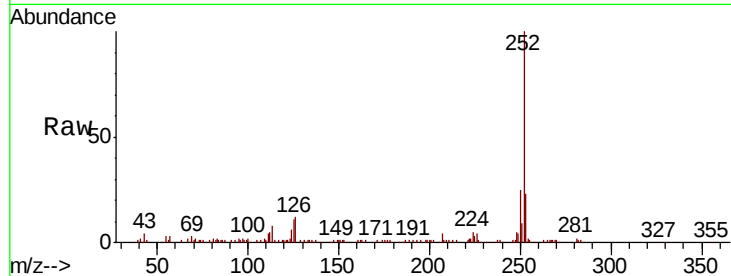
#90
Benzo(a)pyrene
Concen: 11.367 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.5	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 4.889 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.04 min
Lab File: BF118422.D
Acq: 31 Dec 2019 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	18.7	16.1	24.1

