

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010320\
 Data File : BF118466.D
 Acq On : 3 Jan 2020 19:37
 Operator : JU
 Sample : K6474-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Manual Integrations
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 1/6/2020 11:43:57 AM

Quant Time: Jan 04 00:55:01 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	71467	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	260527	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	141508	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	277463	20.00	ng	0.00
76) Chrysene-d12	14.04	240	199694	20.00	ng	0.00
87) Perylene-d12	15.53	264	177122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	335253	80.08	ng	0.00
7) Phenol-d6	6.48	99	441779	85.06	ng	0.00
23) Nitrobenzene-d5	7.41	82	267264	58.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	151151	86.49	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	503399	54.30	ng	-0.01
79) Terphenyl-d14	12.97	244	652348	54.20	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.61	163	36012	3.390	ng	99
71) Phenanthrene	11.41	178	60970	4.031	ng	99
75) Fluoranthene	12.61	202	275670	18.059	ng	99
78) Pyrene	12.84	202	305690	18.746	ng	99
81) Benzo(a)anthracene	14.03	228	169856	12.152	ng	97
83) Chrysene	14.07	228	158680m	11.856	ng	
86) Indeno(1,2,3-cd)pyrene	17.04	276	143085	12.547	ng	97
88) Benzo(b)fluoranthene	15.10	252	238431m	20.279	ng	
89) Benzo(k)fluoranthene	15.12	252	61802m	5.474	ng	
90) Benzo(a)pyrene	15.47	252	175389	16.934	ng	95
91) Dibenzo(a,h)anthracene	17.04	278	31184m	3.470	ng	
92) Benzo(a,h,i)perylene	17.49	276	148341	17.086	ng	100

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

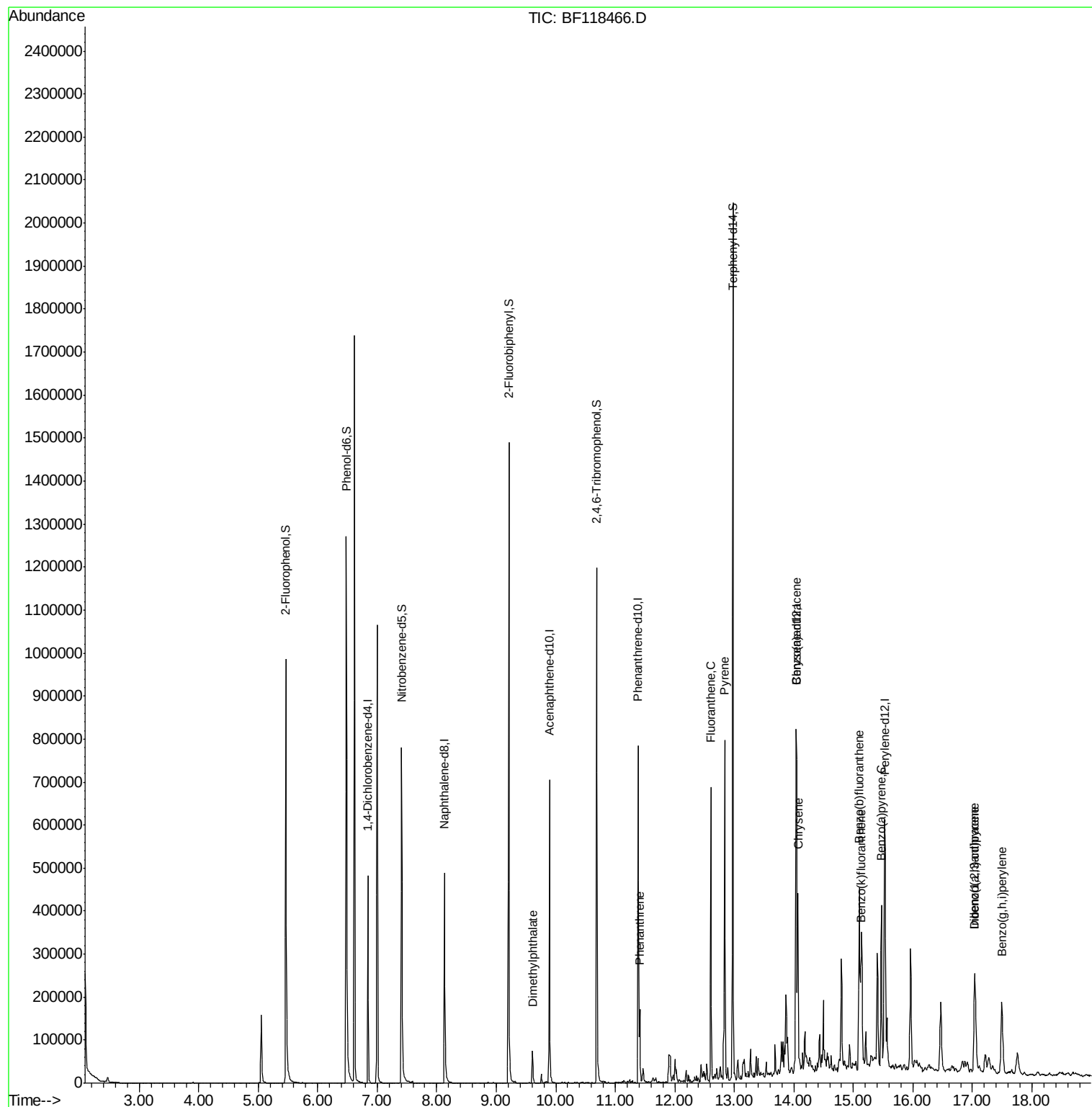
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010320\
Data File : BF118466.D
Acq On : 3 Jan 2020 19:37
Operator : JU
Sample : K6474-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

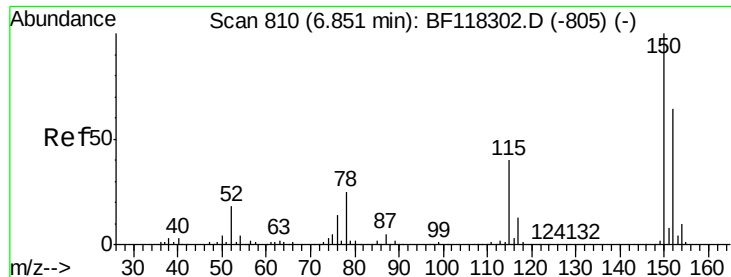
Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Jan 04 00:55:01 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

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#1

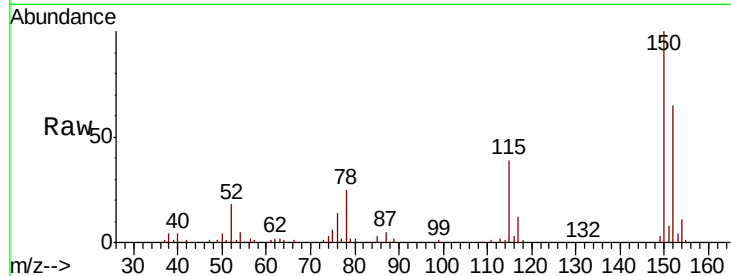
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampleId :
SB-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	125.4	188.2
115	59.3	50.2	75.4

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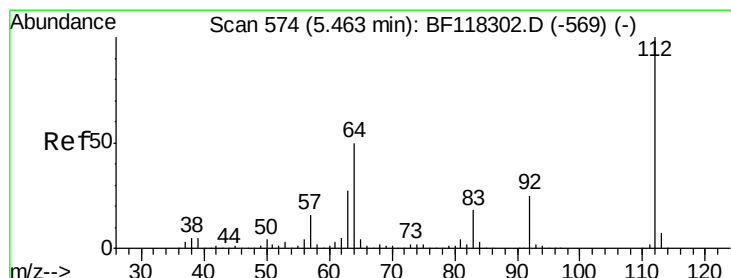
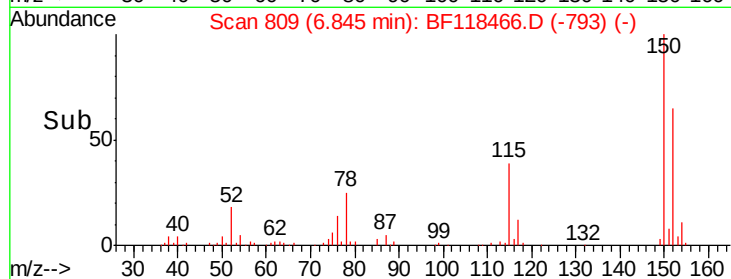
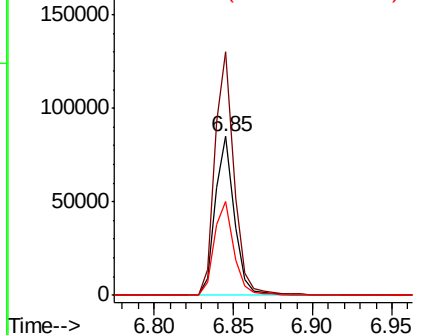


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

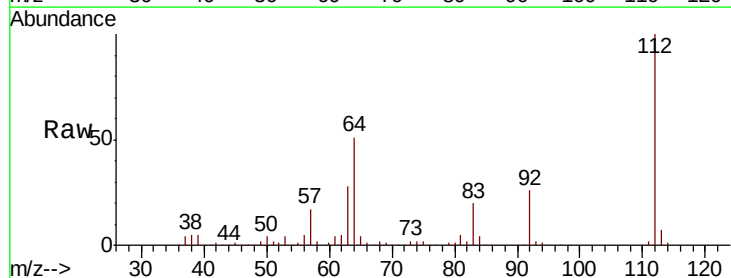
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.075 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	39.7	59.5
63	27.6	21.7	32.5

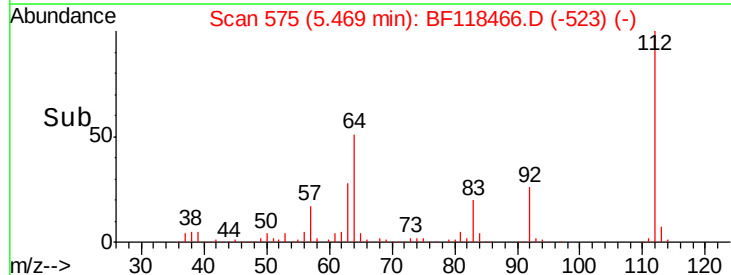
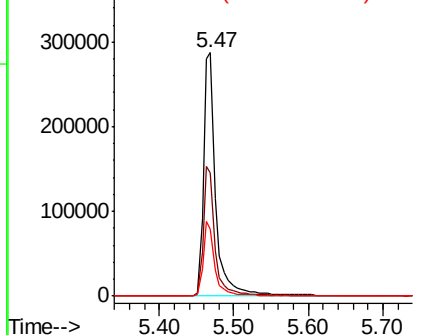


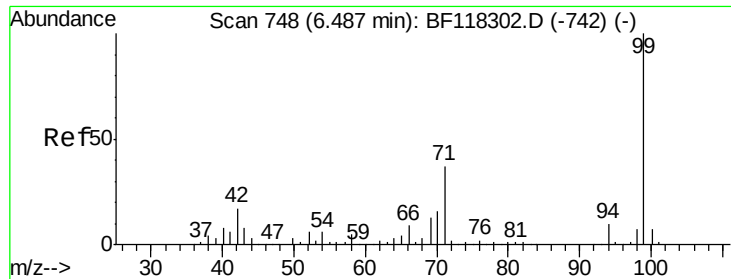
Abundance

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: 85.060 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

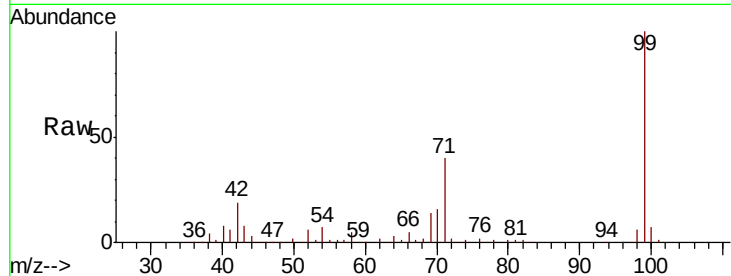
ClientSampleId :

SB-01

Tot Ion:	99	Resp:	441779
Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	39.7	29.4	44.2

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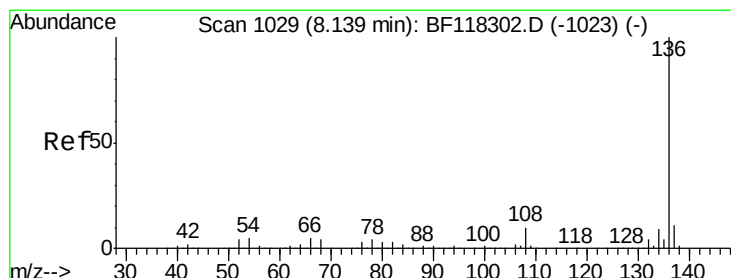
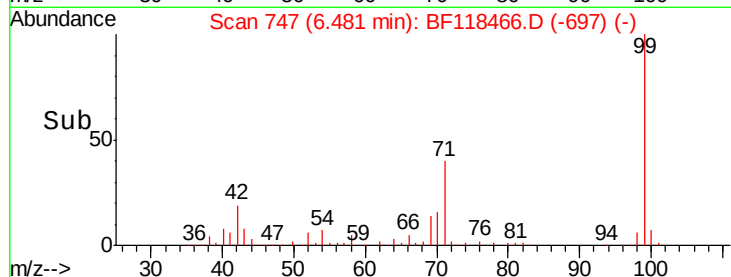
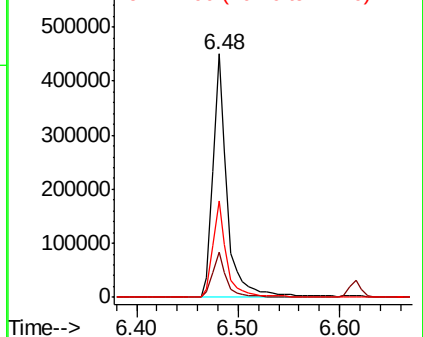


Abundance

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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Tgt Ion:	136	Resp:	260527
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.5	4.2	6.4
68	4.2	3.5	5.3

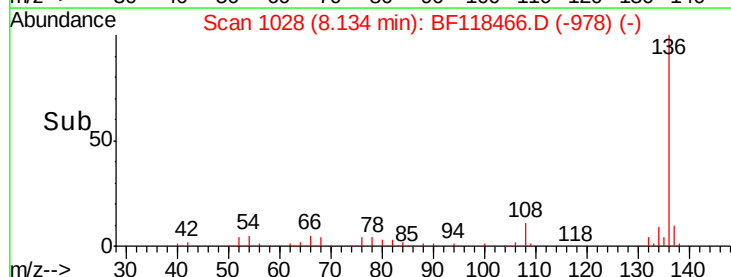
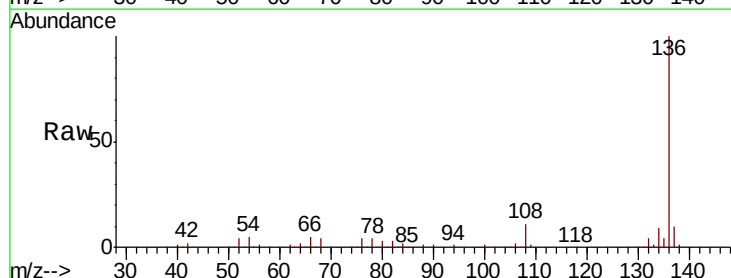
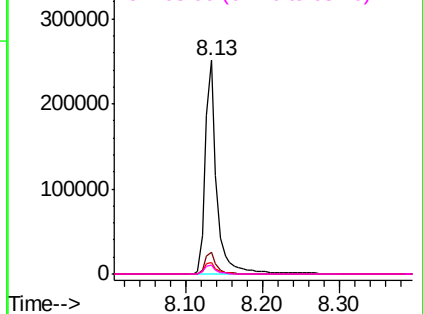
Abundance

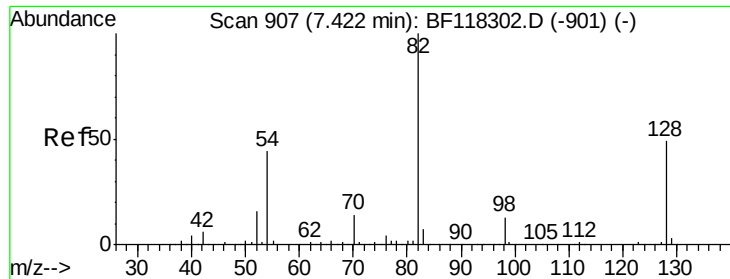
Ion 136.00 (135.70 to 136.70): E

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





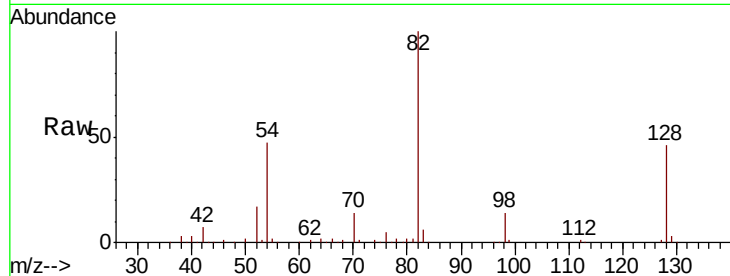
#23
 Nitrobenzene-d5
 Concen: 58.674 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Instrument :
 BNA_F
 ClientSampled :
 SB-01

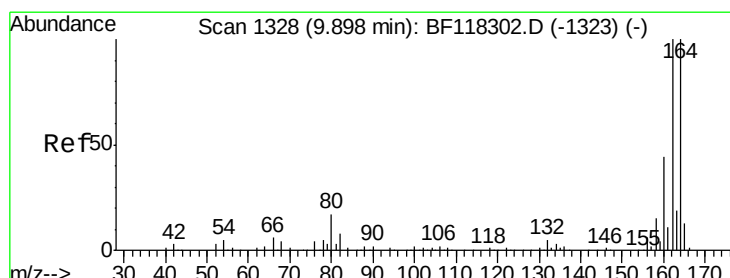
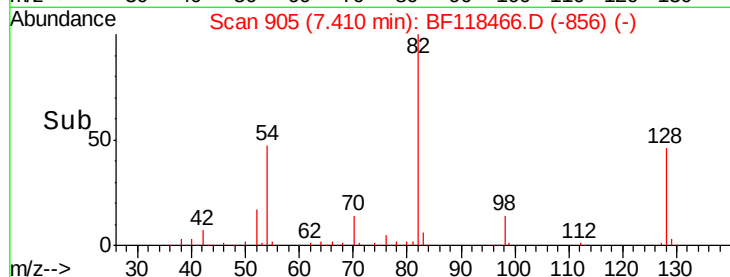
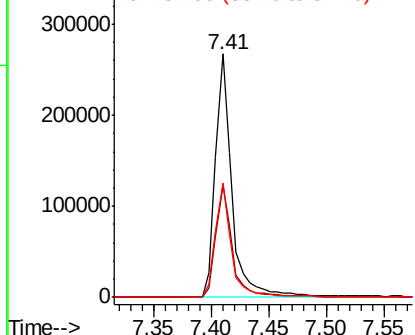
Tot Ion	82	Resp	267264
Ion Ratio	100	Lower	Upper
82	100		
128	45.7	39.6	59.4
54	46.9	34.9	52.3

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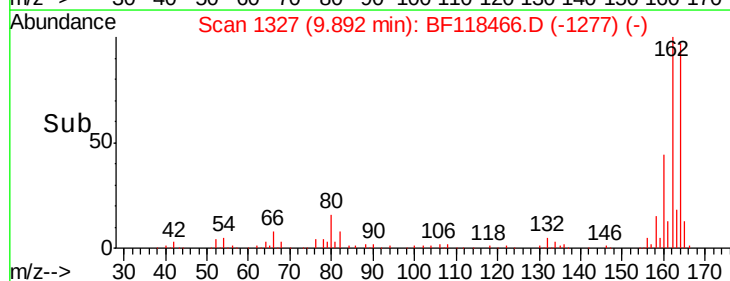
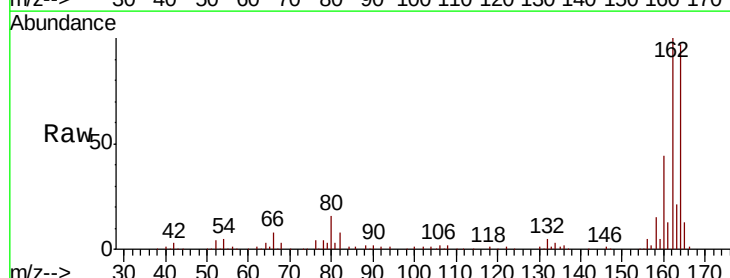
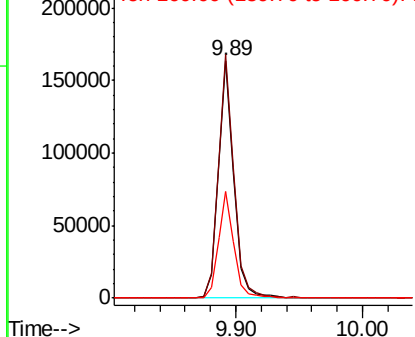
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

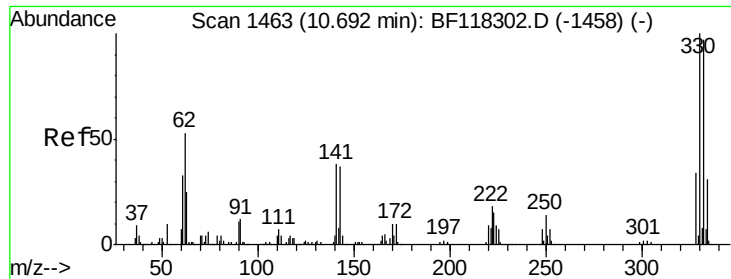


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Tgt Ion	164	Resp	141508
Ion Ratio	100	Lower	Upper
164	100		
162	102.6	80.0	120.0
160	44.9	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: 86.495 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

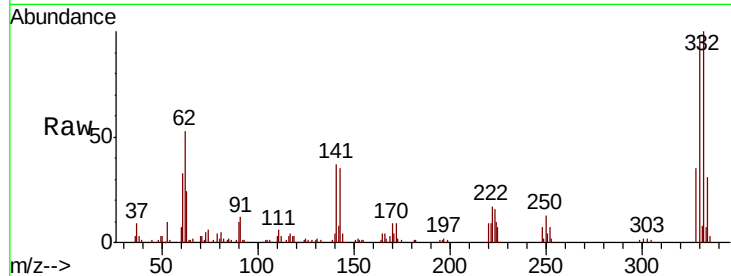
ClientSampled :

SB-01

Tot Ion:	330	Resp:	151151
Ion Ratio	Lower	Upper	
330	100		
332	98.9	76.6	114.8
141	34.6	26.0	39.0

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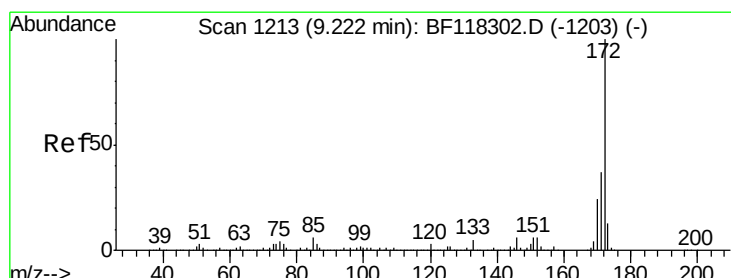
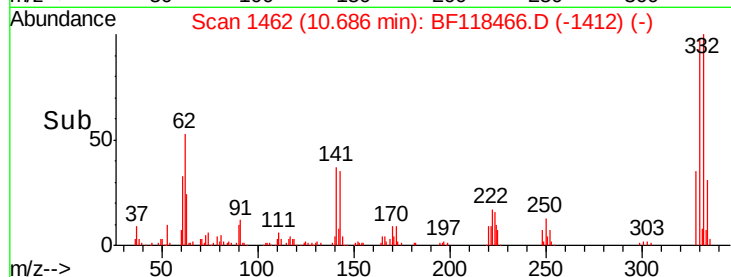
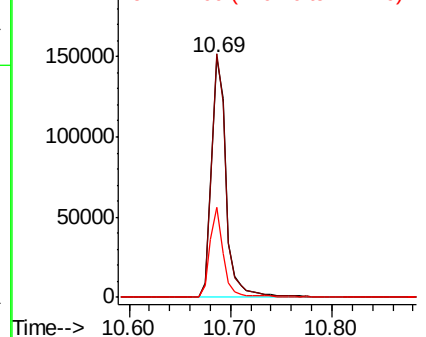


Abundance

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: 54.303 ng

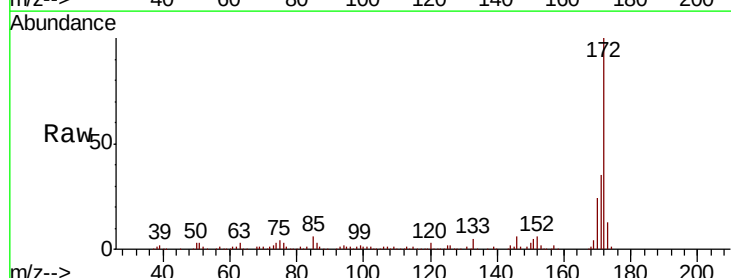
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Tgt Ion:	172	Resp:	503399
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.3	43.9
170	23.7	19.2	28.8

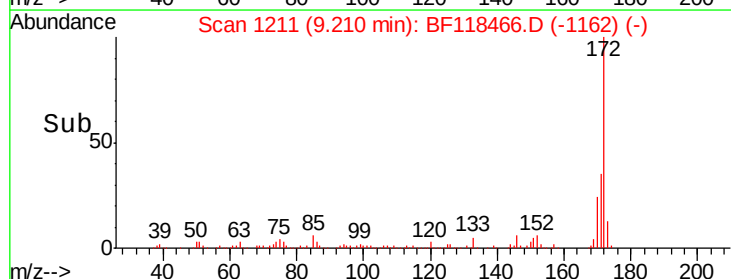
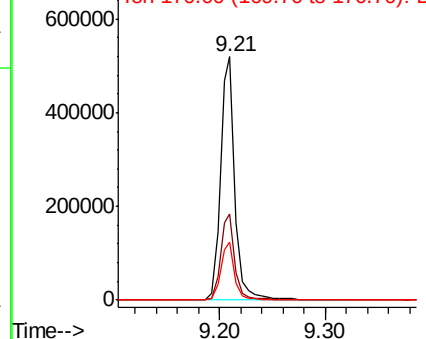


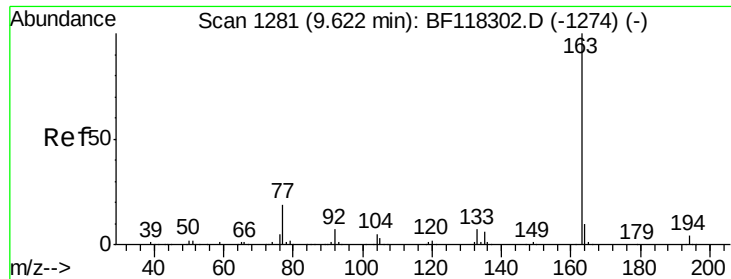
Abundance

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





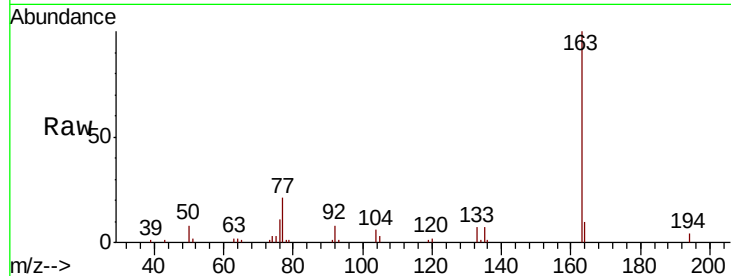
#50
Dimethylphthalate
Concen: 3.390 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampled :
SB-01

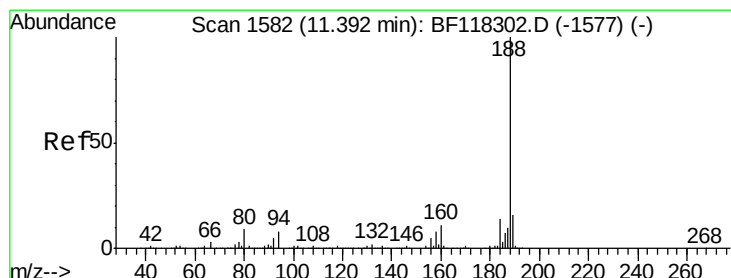
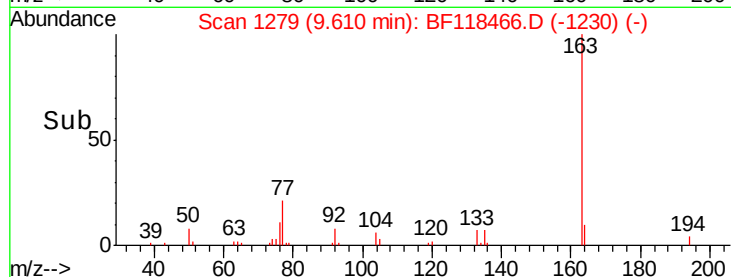
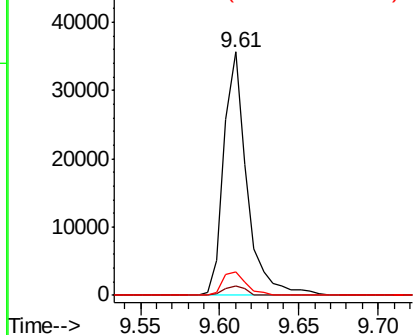
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.5	7.9	11.9

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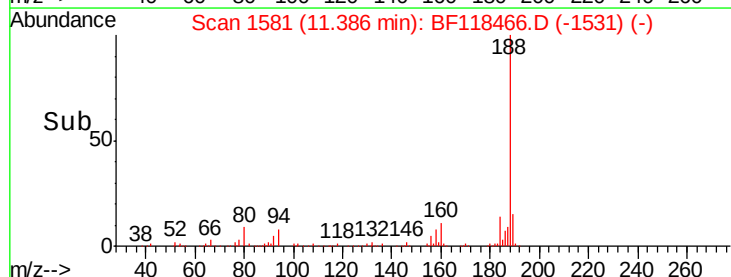
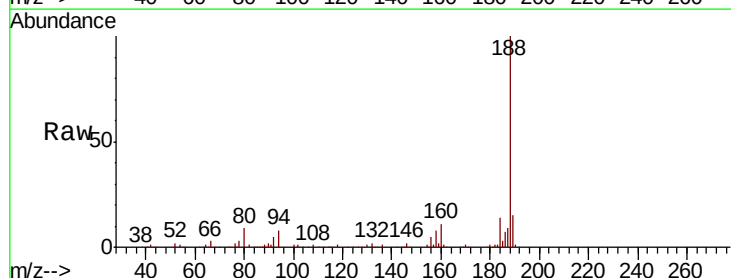
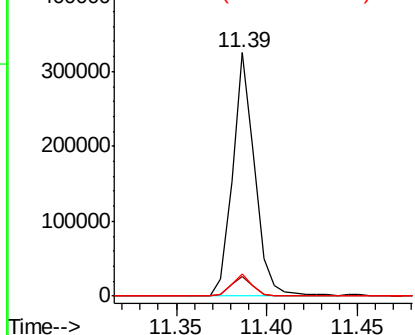
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

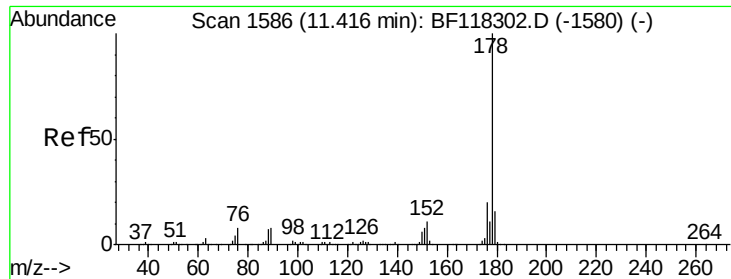


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.1	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





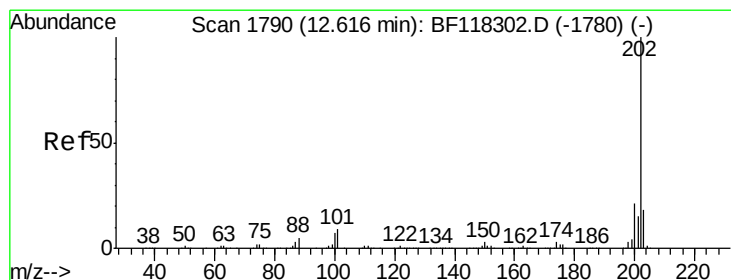
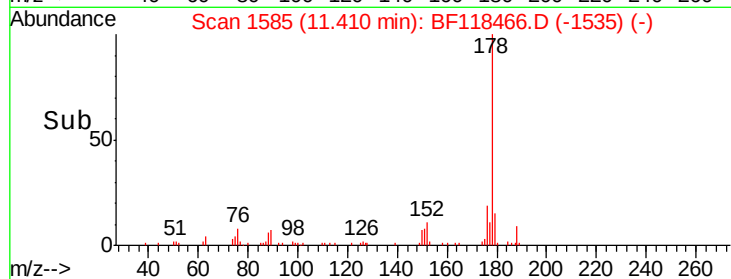
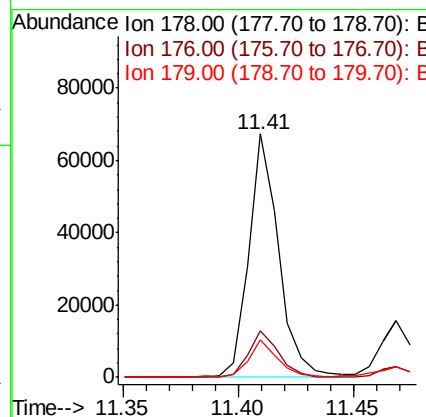
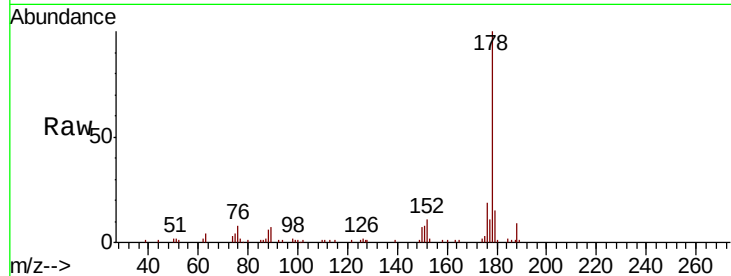
#71
Phenanthrene
Concen: 4.031 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.4	12.6	19.0

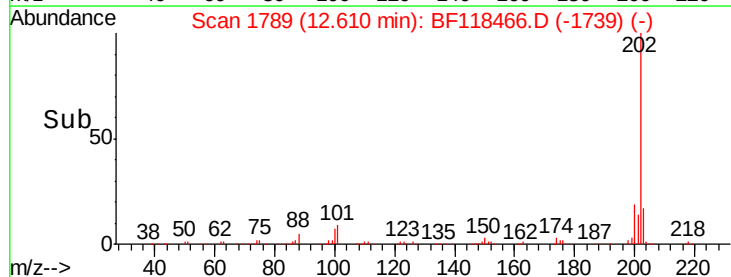
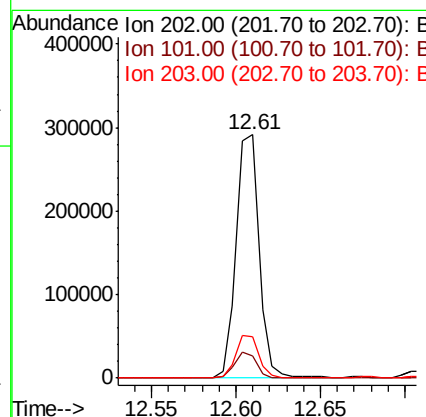
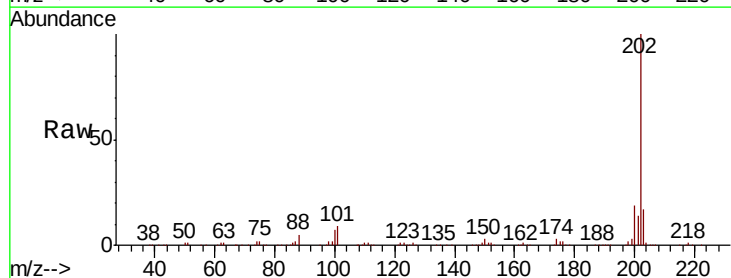
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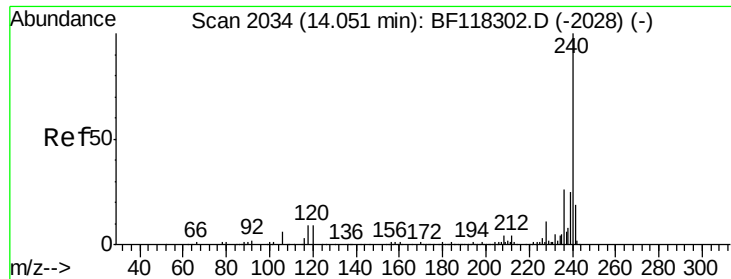
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#75
Fluoranthene
Concen: 18.059 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.5
203	17.1	0.0	37.6





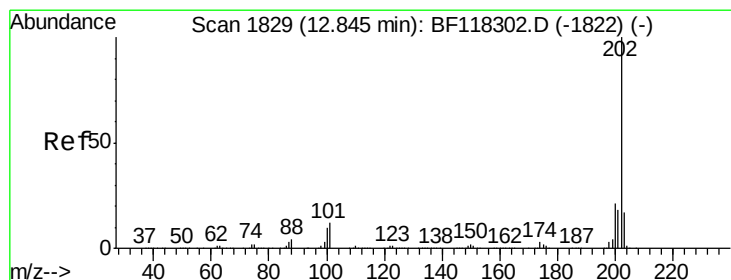
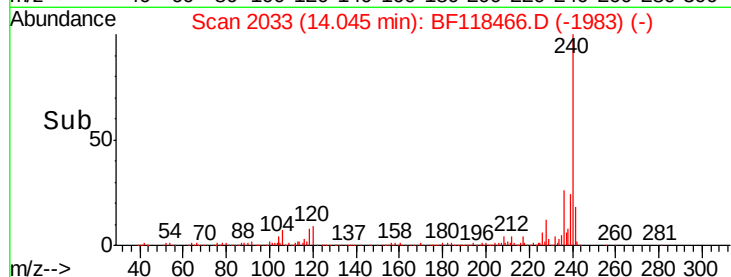
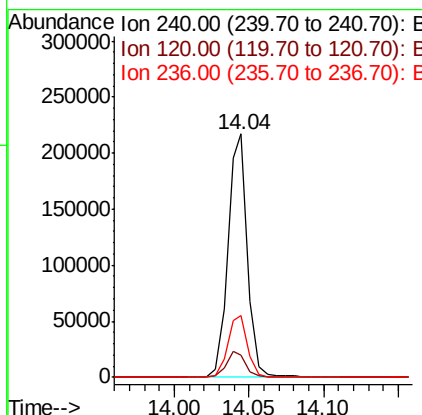
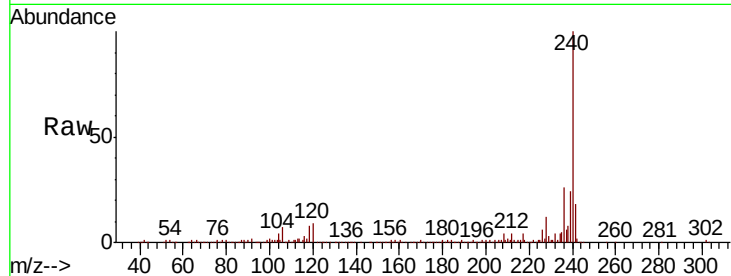
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.1	10.7
236	25.5	21.0	31.6

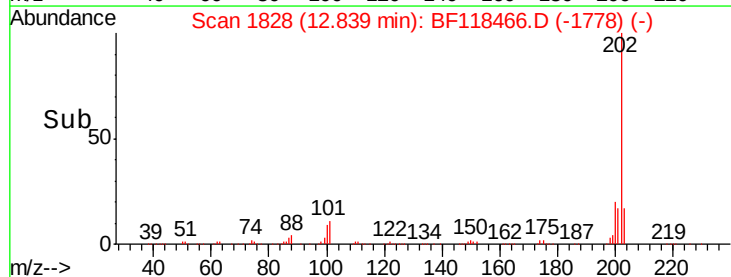
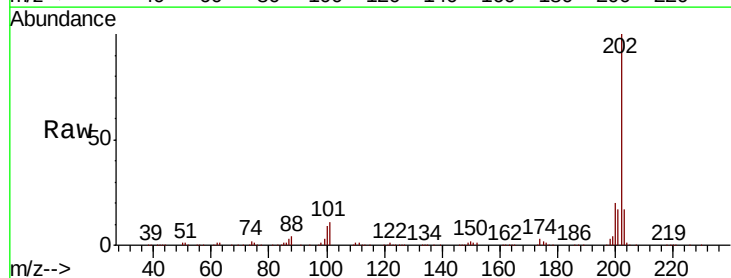
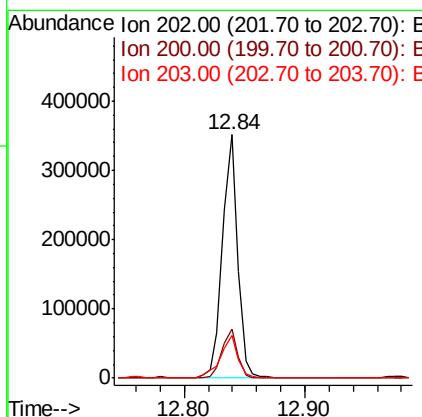
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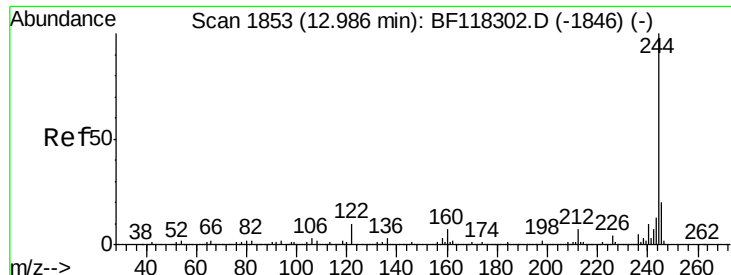
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#78
Pyrene
Concen: 18.746 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	17.3	13.9	20.9





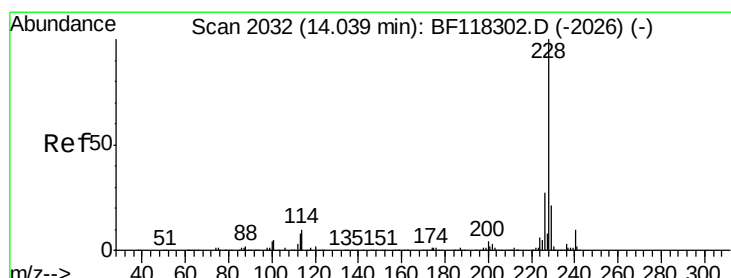
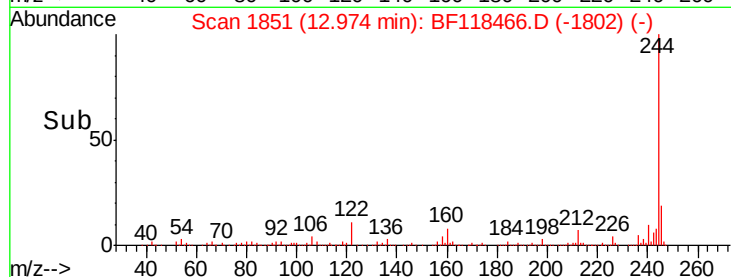
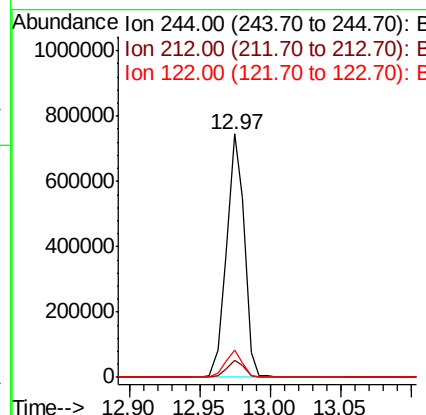
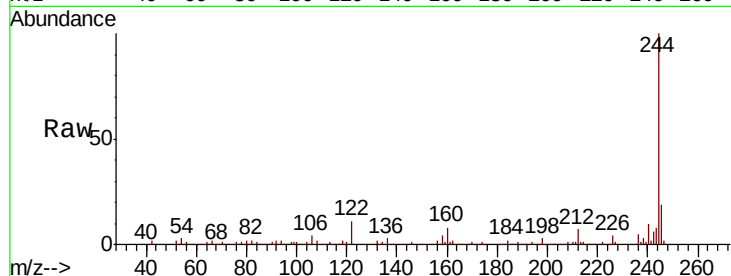
#79
 Terphenyl-d14
 Concen: 54.196 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	11.0	7.8	11.8

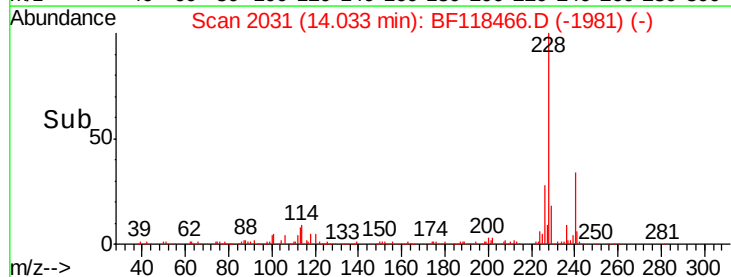
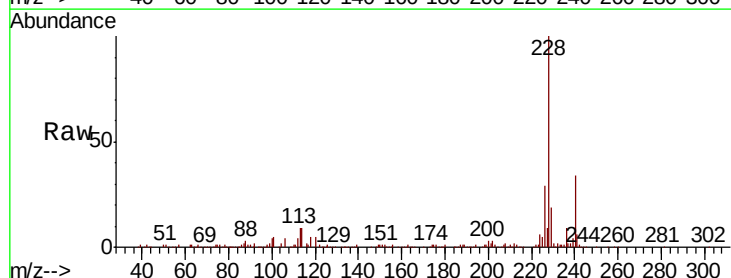
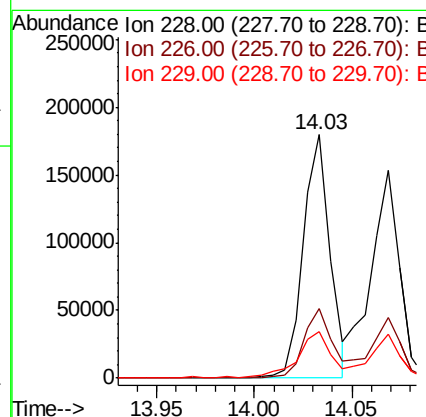
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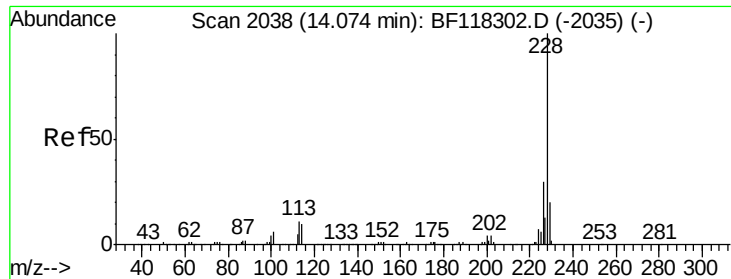
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#81
 Benzo(a)anthracene
 Concen: 12.152 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.0	33.0
229	19.0	16.6	24.8





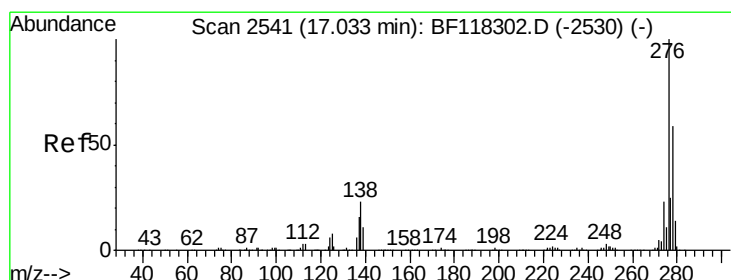
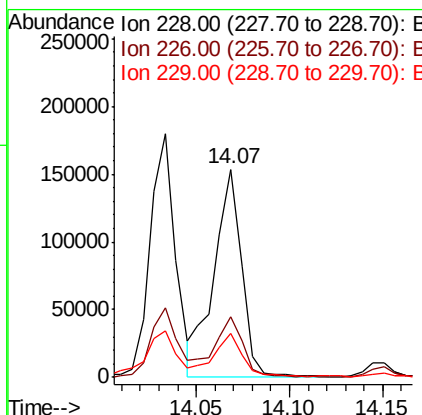
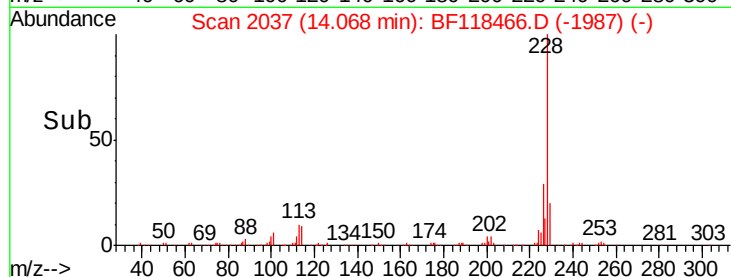
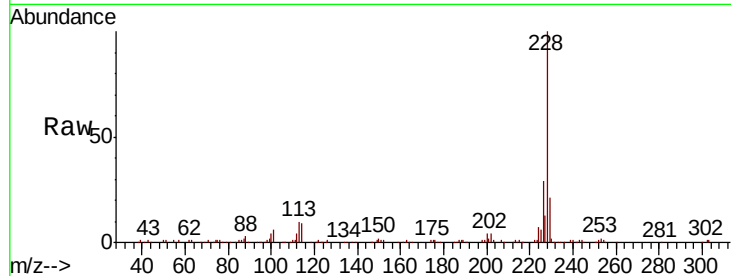
#83
Chrysene
Concen: 11.856 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion:	228	Resp:	158680
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.9	35.9
229	21.0	16.1	24.1

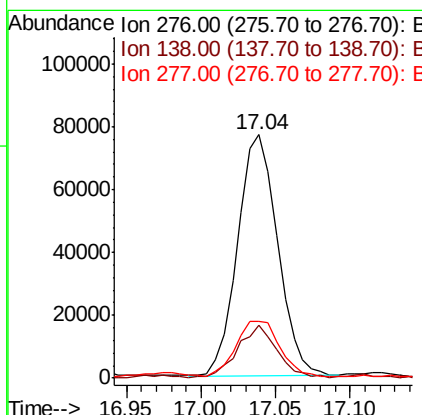
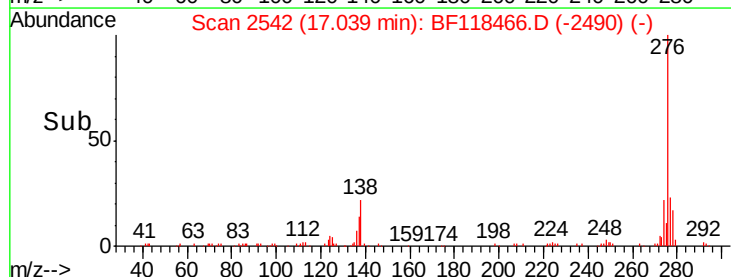
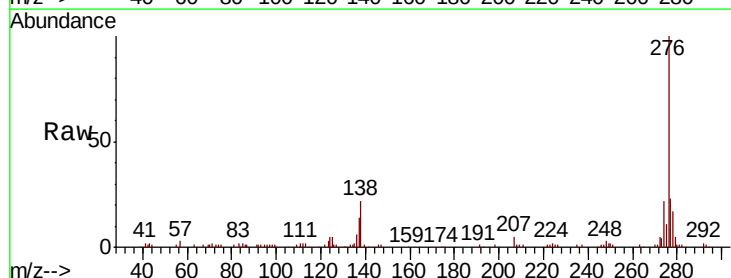
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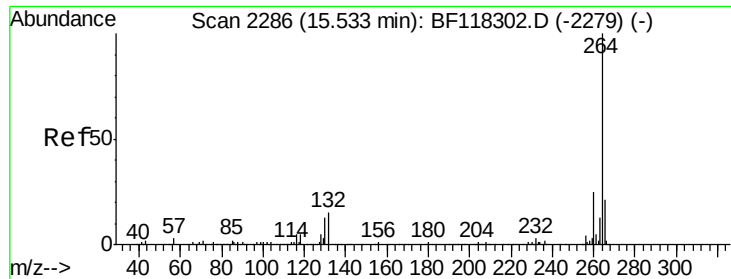
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.547 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion:	276	Resp:	143085
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.5	29.3
277	25.1	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

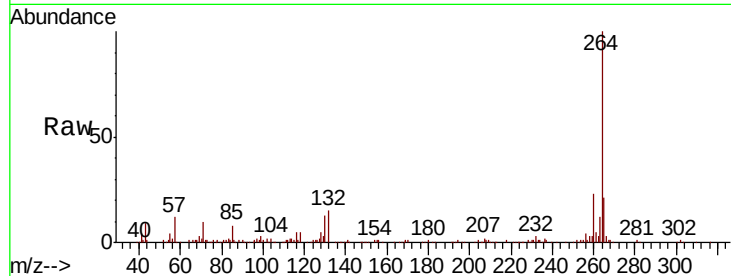
ClientSampleId :

SB-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.8	29.6
265	21.5	17.0	25.4

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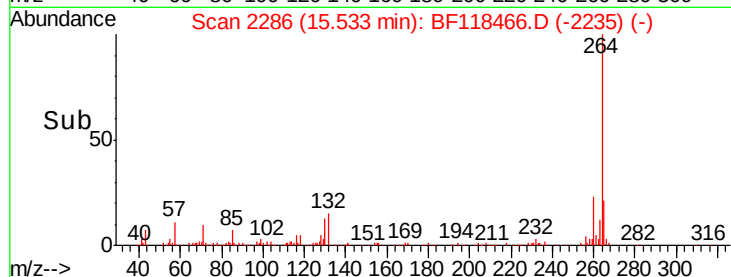
Abundance

Ion 264.00 (263.70 to 264.70): E

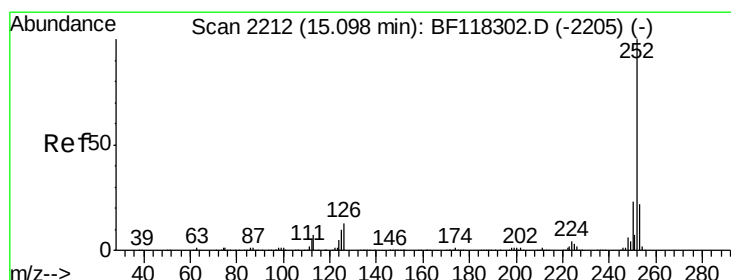
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.53



Time-->



#88

Benzo(b)fluoranthene

Concen: 20.279 ng m

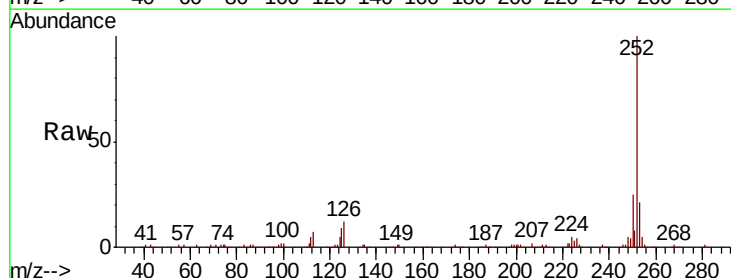
RT: 15.10 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	9.4	7.7	11.5



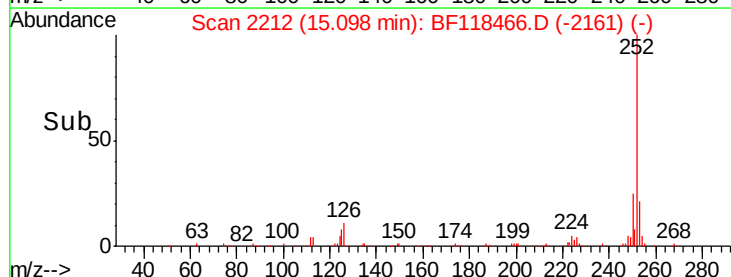
Abundance

Ion 252.00 (251.70 to 252.70): E

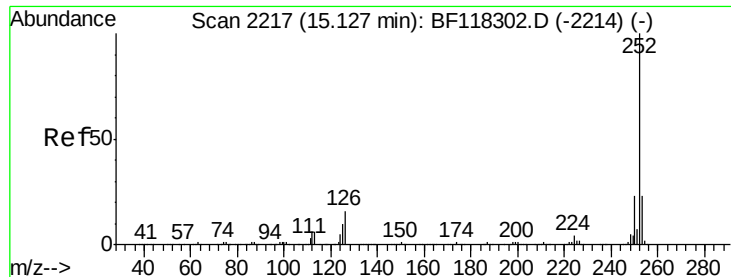
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.10



Time-->



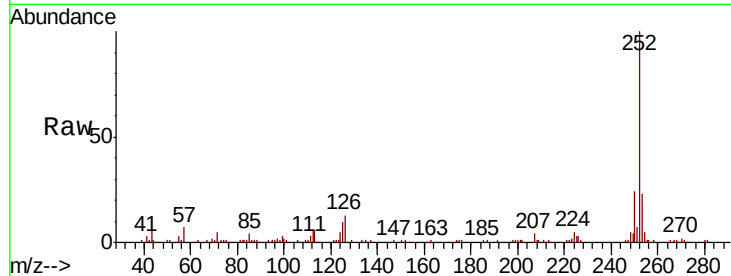
#89
Benzo(k)fluoranthene
Concen: 5.474 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	9.7	8.0	12.0

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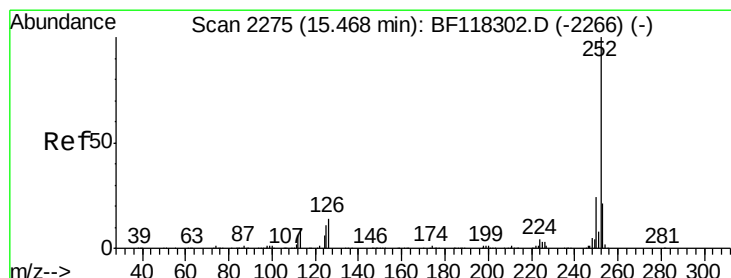
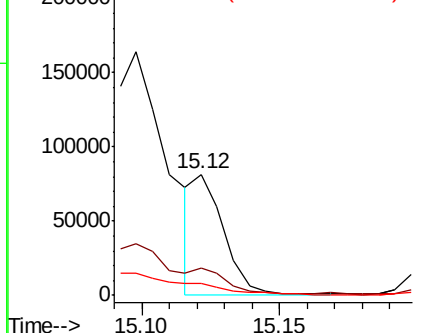
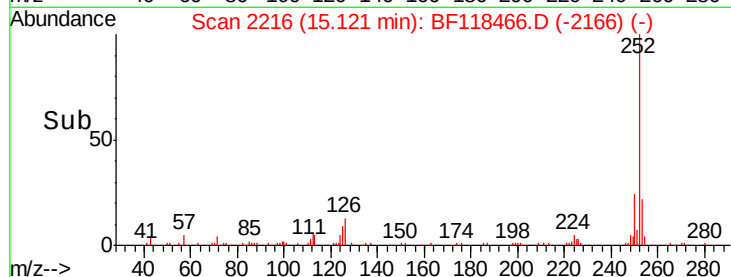


Abundance

Ion 252.00 (251.70 to 252.70): E

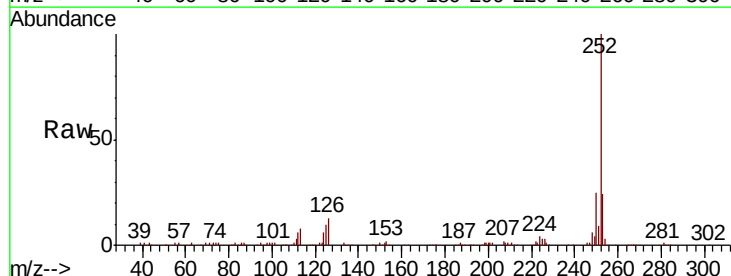
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 16.934 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	10.3	9.0	13.4

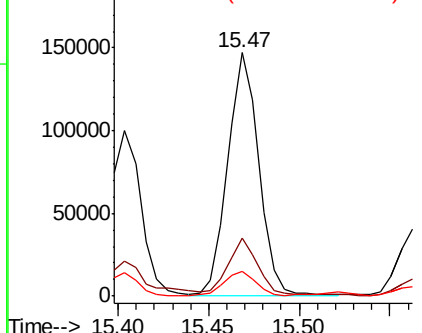
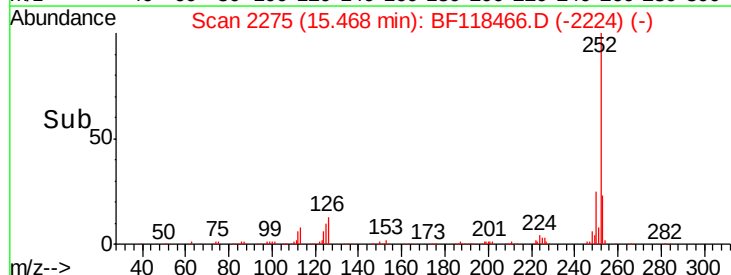


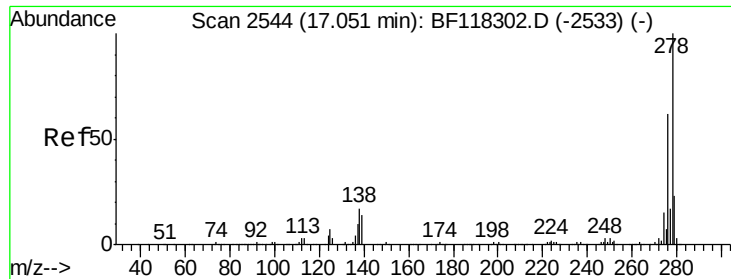
Abundance

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





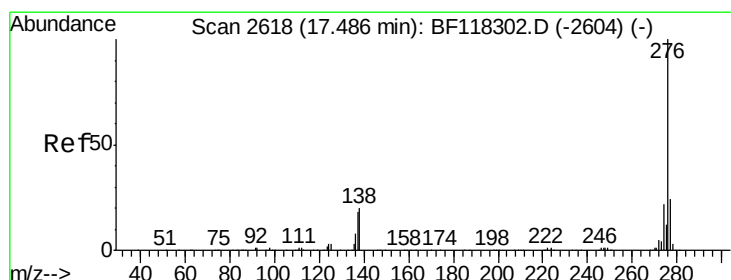
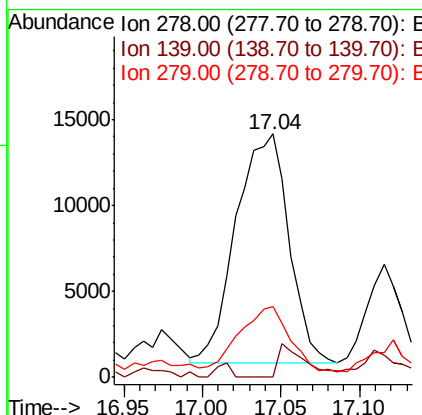
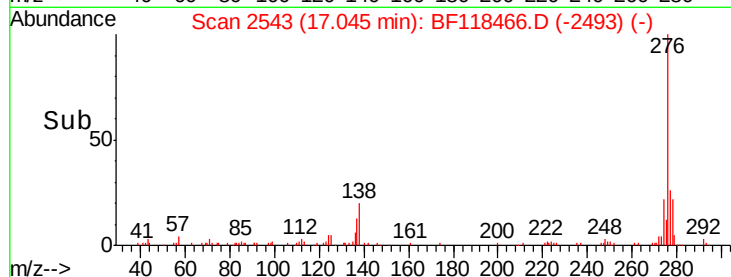
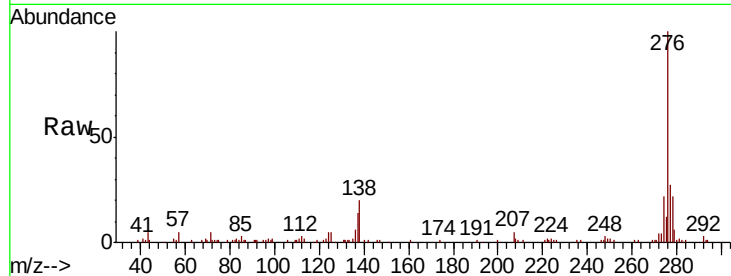
#91
Dibenzo(a,h)anthracene
Concen: 3.470 ng m
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Instrument :
BNA_F
ClientSampleId :
SB-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.5	17.3#
279	29.3	18.3	27.5#

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#92
Benzo(g,h,i)perylene
Concen: 17.086 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	20.2	16.1	24.1

