

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012320\
 Data File : BF118680.D
 Acq On : 23 Jan 2020 17:44
 Operator : CG/JU
 Sample : L1219-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ST-CONCRETE

Manual Integrations
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 1/24/2020 1:54:32 PM

Quant Time: Jan 24 03:14:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	387207	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1364322	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	754136	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1358297	20.00	ng	0.00
76) Chrysene-d12	14.04	240	909458	20.00	ng	0.00
87) Perylene-d12	15.52	264	907828	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1417802	68.01	ng	0.00
7) Phenol-d6	6.50	99	2330806	86.02	ng	0.00
23) Nitrobenzene-d5	7.43	82	1656095	67.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	378434	43.39	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	3013190	65.67	ng	0.00
79) Terphenyl-d14	12.99	244	3460087	82.98	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.52	94	76505	2.477	ng	95
37) 2-Methylnaphthalene	8.87	142	585549	13.460	ng	98
38) 1-Methylnaphthalene	8.97	142	348104	8.423	ng	98
50) Dimethylphthalate	9.63	163	476574	9.700	ng	# 92
71) Phenanthrene	11.42	178	681461	10.399	ng	95
75) Fluoranthene	12.61	202	684074	9.898	ng	95
78) Pyrene	12.84	202	612986	9.928	ng	92
81) Benzo(a)anthracene	14.03	228	231725	4.236	ng	96
83) Chrysene	14.06	228	231399	4.413	ng	94
84) Bis(2-ethylhexyl)phthalate	14.02	149	82461	2.671	ng	95
86) Indeno(1,2,3-cd)pyrene	16.99	276	151352	3.322	ng	97
88) Benzo(b)fluoranthene	15.08	252	292349m	5.123	ng	
90) Benzo(a)pyrene	15.44	252	195797	3.978	ng	# 94
92) Benzo(a,h,i)perylene	17.43	276	178685	4.227	ng	95

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

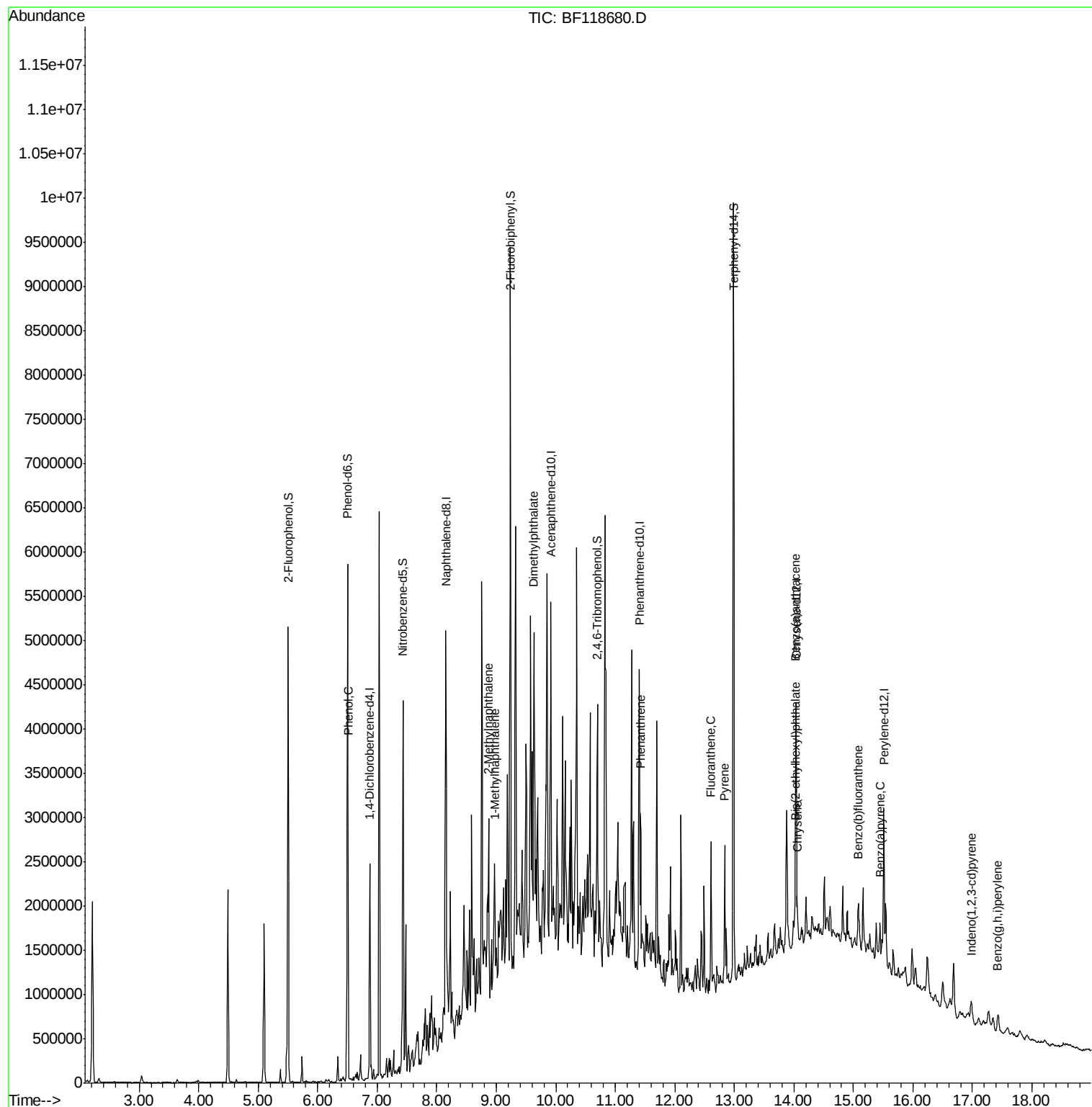
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012320\
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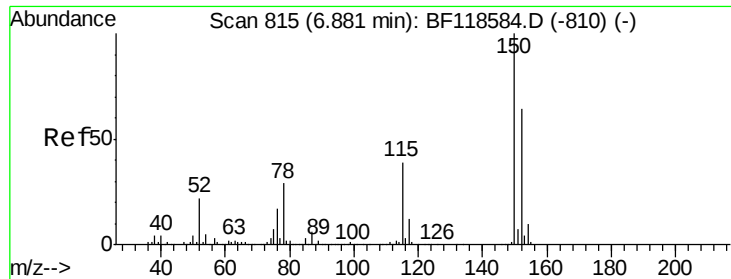
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
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#1

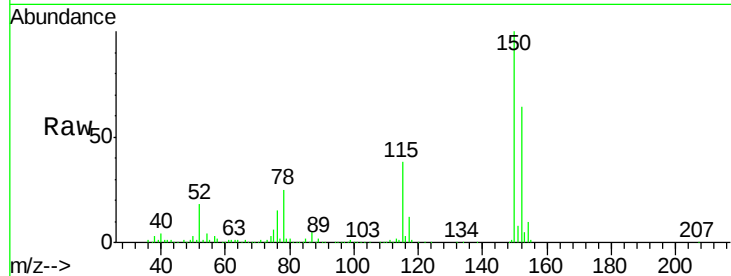
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.6	188.4
115	59.4	48.4	72.6

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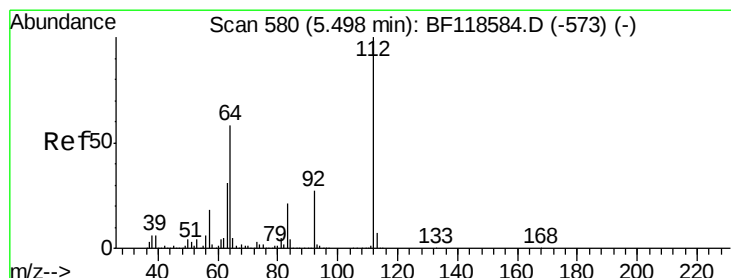
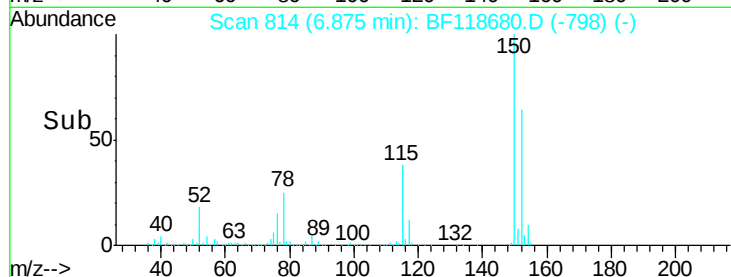
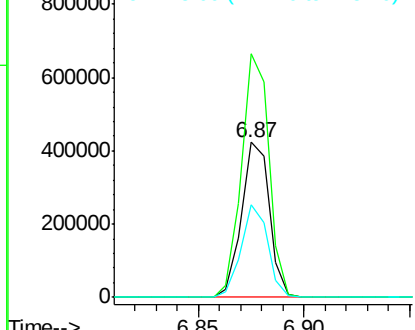


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

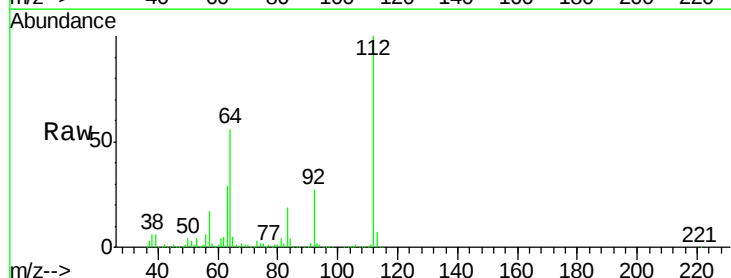
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.005 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.6	70.0
63	29.2	25.1	37.7

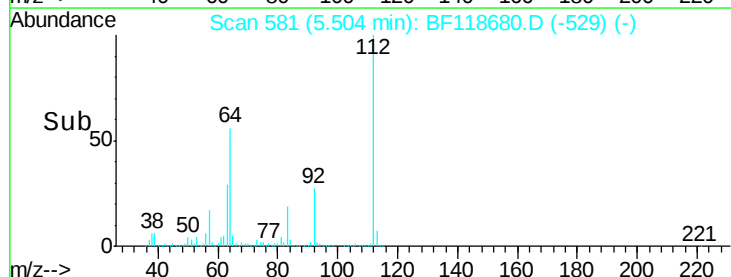
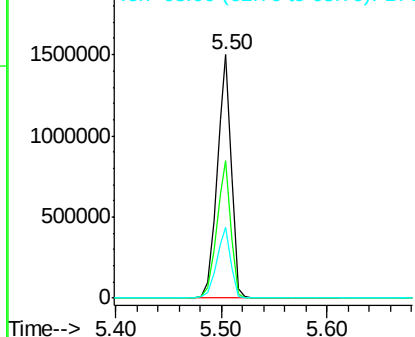


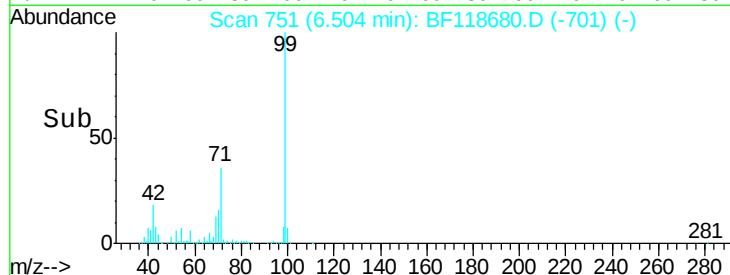
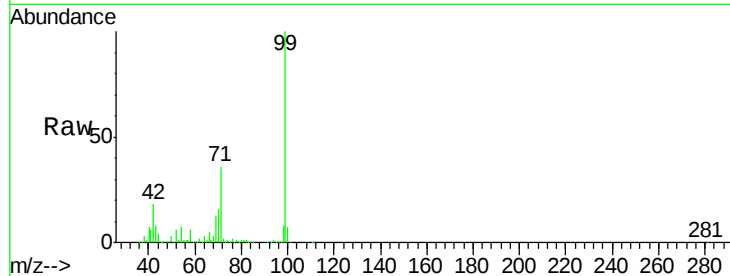
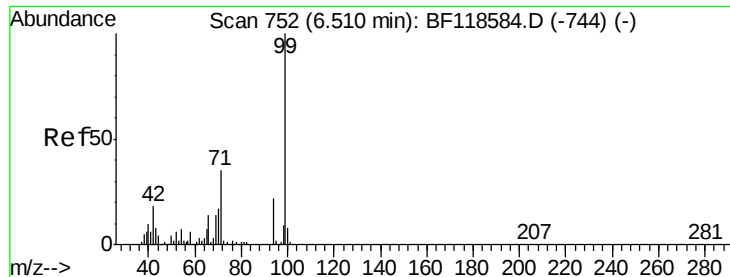
Abundance

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: 86.015 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Tot Ion: 99 Resp: 2330806

Ion Ratio Lower Upper

99 100

42 17.7 14.2 21.2

71 36.4 27.8 41.6

Instrument :

BNA_F

ClientSampleId :

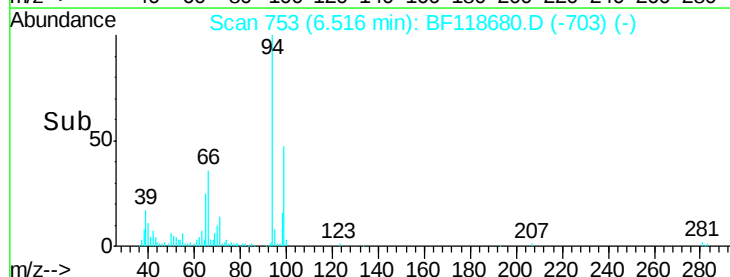
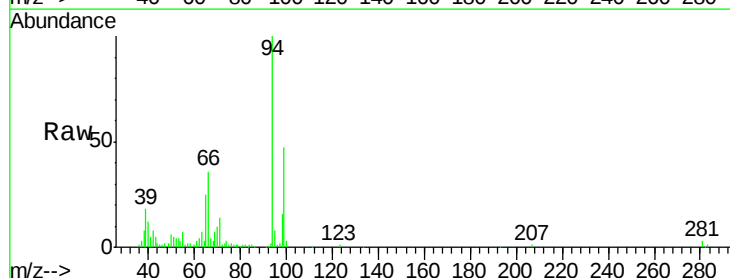
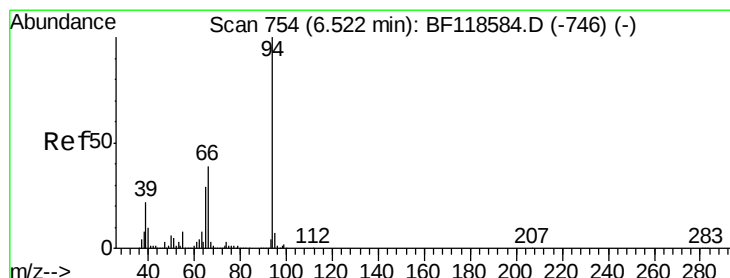
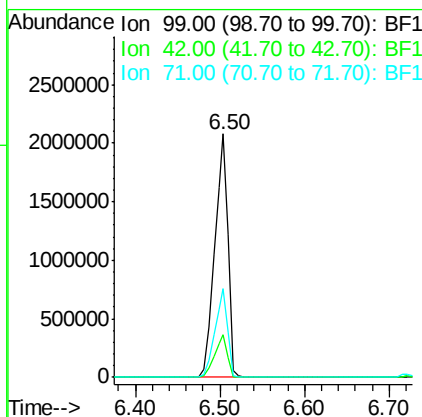
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#10

Phenol

Concen: 2.477 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

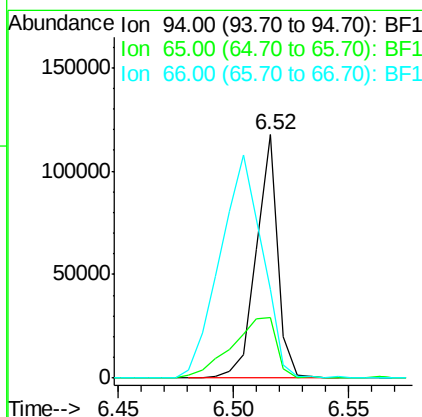
Tgt Ion: 94 Resp: 76505

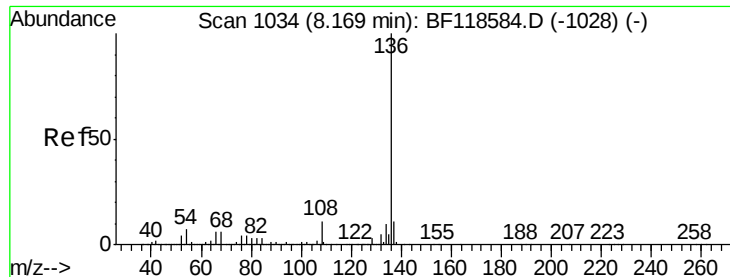
Ion Ratio Lower Upper

94 100

65 25.1 9.5 49.5

66 36.4 18.5 58.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

Tot Ion:136 Resp: 1364322

Ion Ratio Lower Upper

136 100

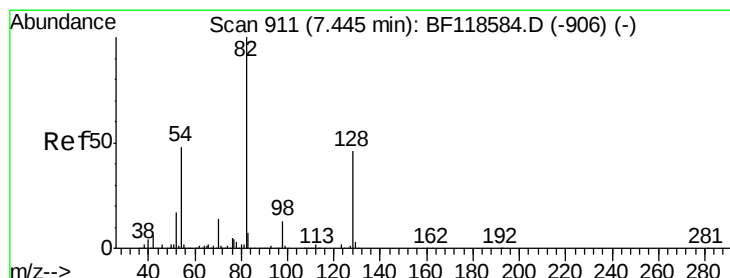
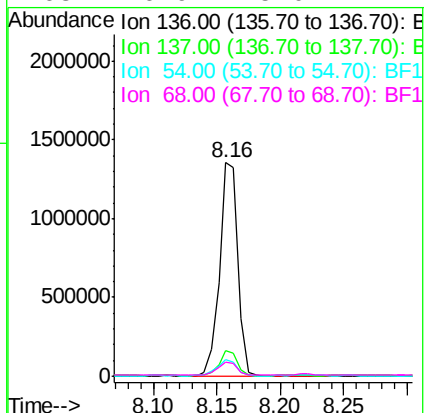
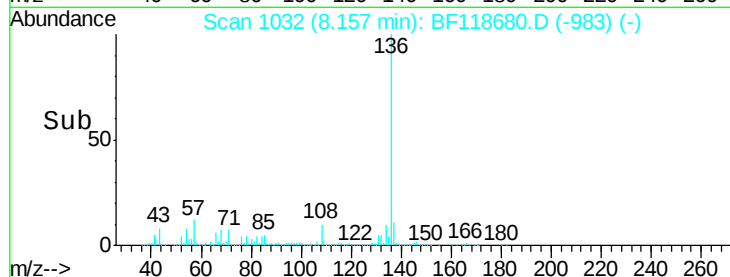
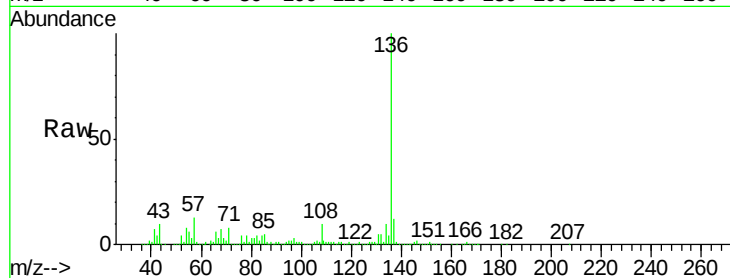
137 11.7 9.1 13.7

54 7.7 5.8 8.6

68 6.9 5.0 7.4

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#23

Nitrobenzene-d5

Concen: 67.896 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

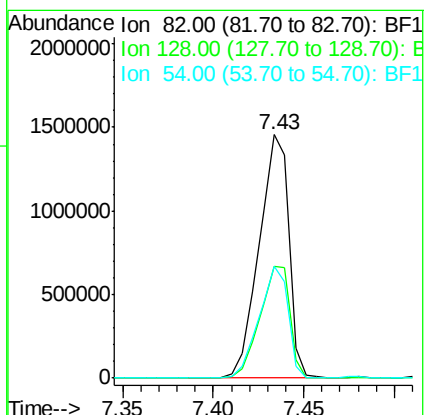
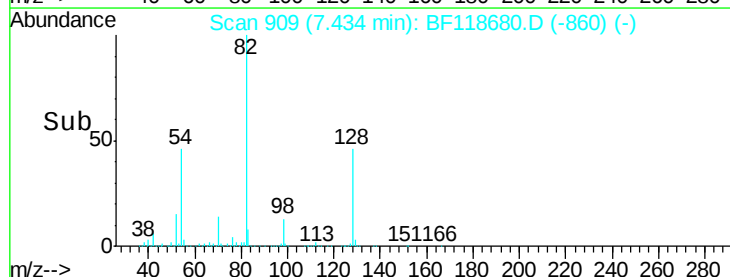
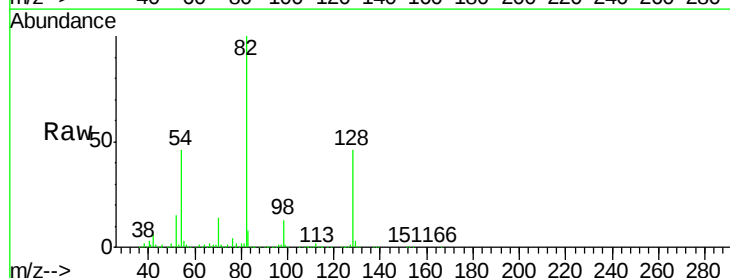
Tgt Ion: 82 Resp: 1656095

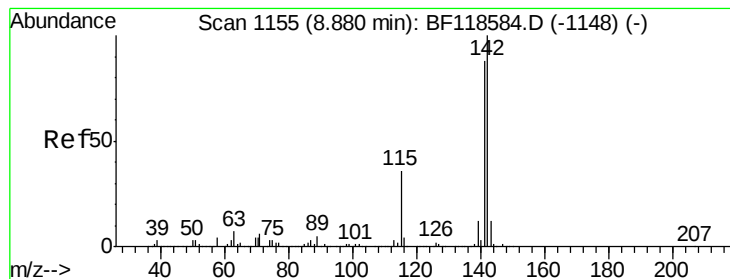
Ion Ratio Lower Upper

82 100

128 45.9 36.6 54.8

54 45.9 38.0 57.0





#37

2-Methylnaphthalene

Concen: 13.460 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

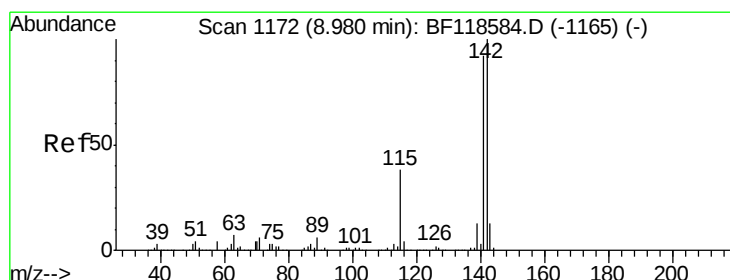
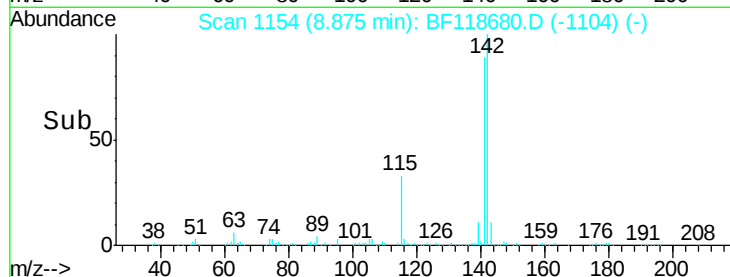
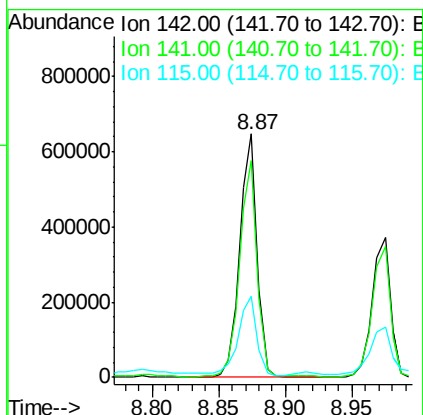
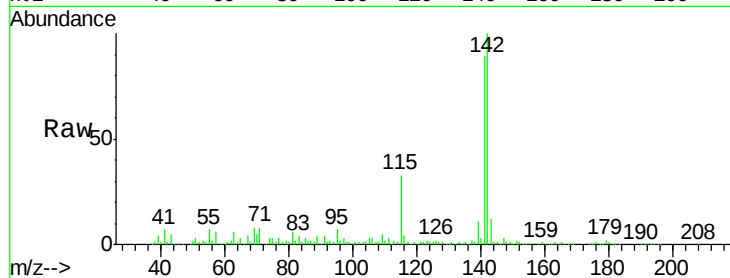
ClientSampleId :

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Tot Ion:	142	Resp:	585549
Ion Ratio	Lower	Upper	
142	100		
141	89.1	70.7	106.1
115	33.3	28.5	42.7

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#38

1-Methylnaphthalene

Concen: 8.423 ng

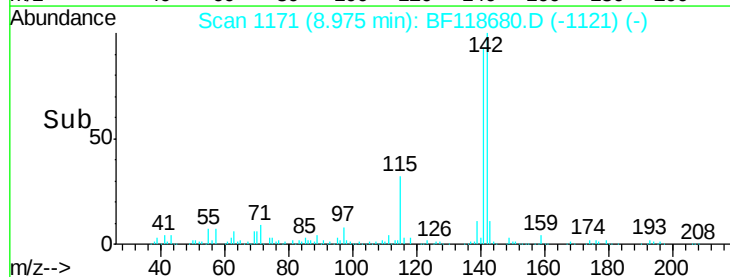
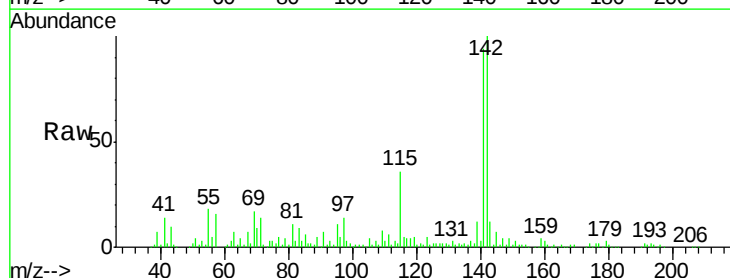
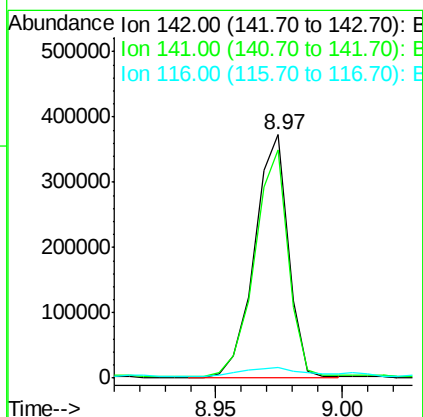
RT: 8.97 min Scan# 1171

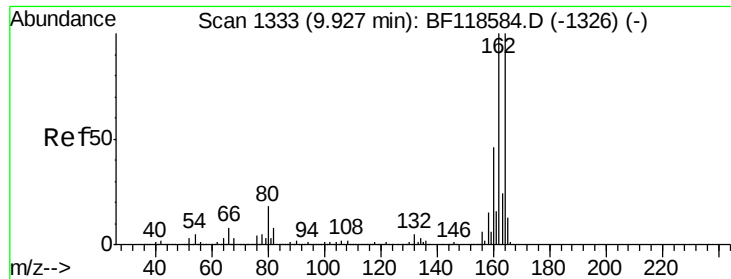
Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Tgt Ion:	142	Resp:	348104
Ion Ratio	Lower	Upper	
142	100		
141	93.7	73.4	110.2
116	4.5	3.3	4.9





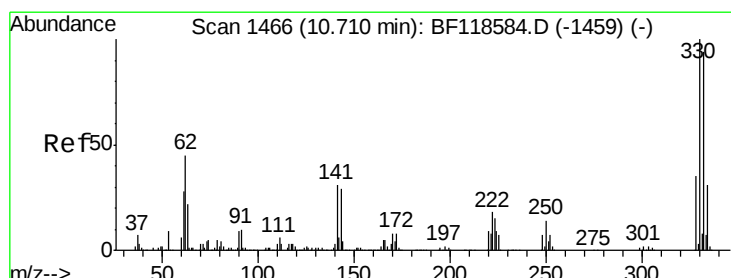
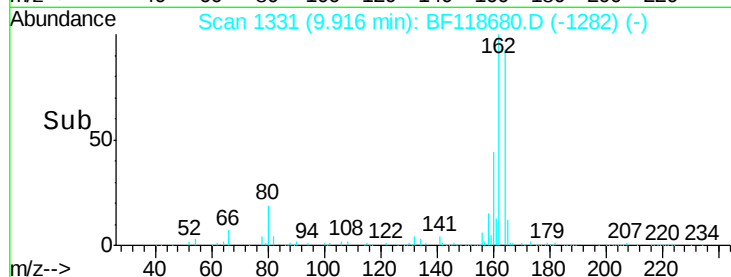
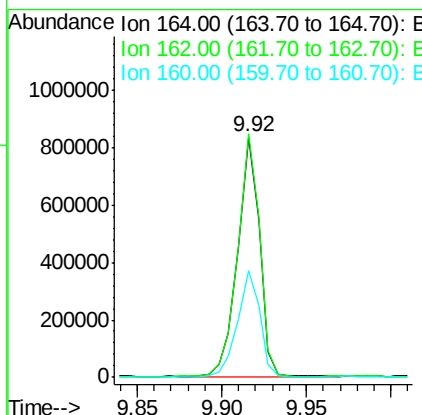
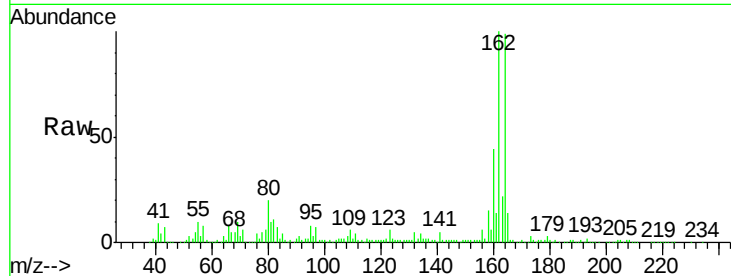
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	80.4	120.6	
160	44.4	36.6	55.0	

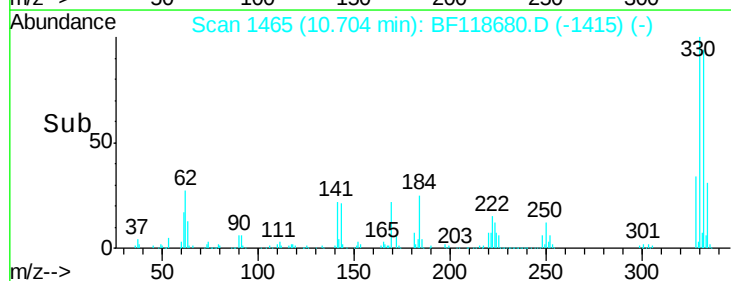
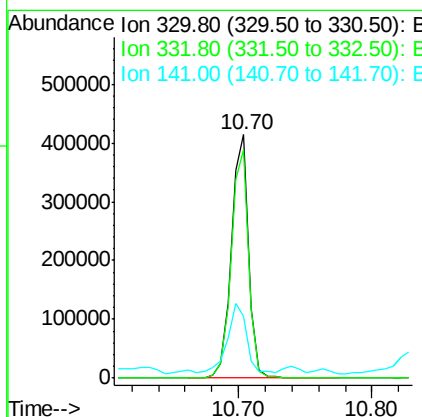
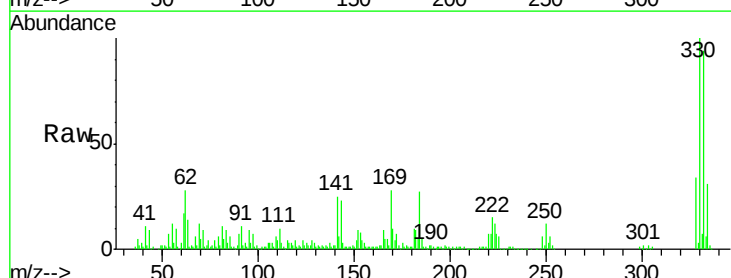
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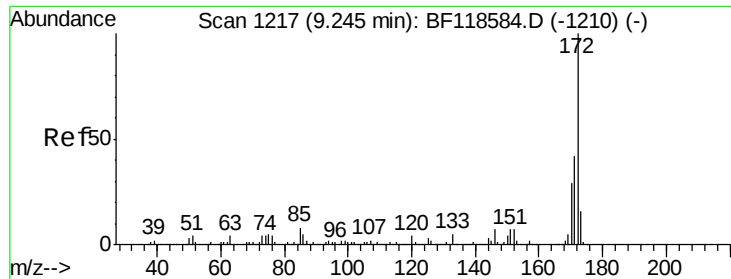
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#42
2,4,6-Tribromophenol
Concen: 43.386 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	76.2	114.4	
141	30.1	23.9	35.9	





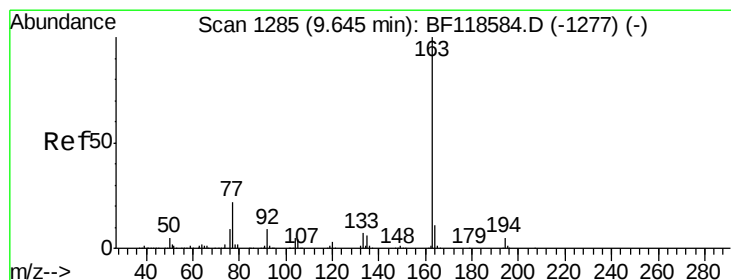
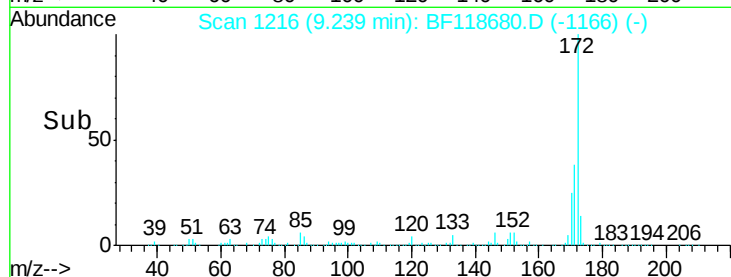
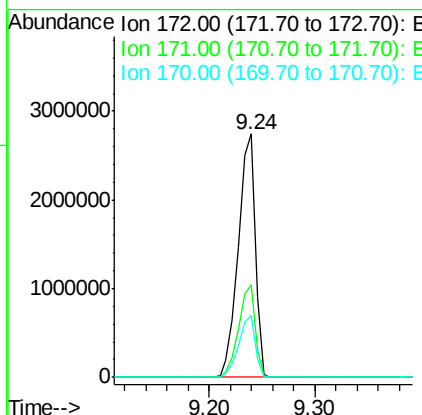
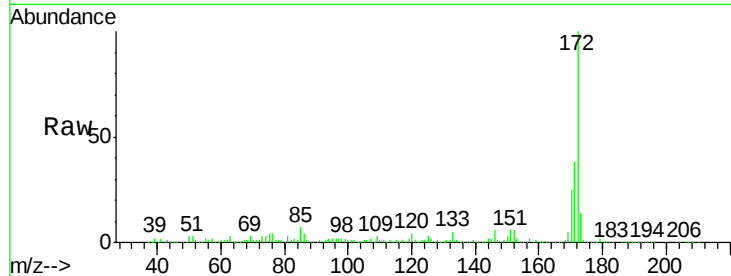
#45
2-Fluorobiphenyl
Concen: 65.672 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	38.3	33.4	50.2	
170	25.4	23.2	34.8	

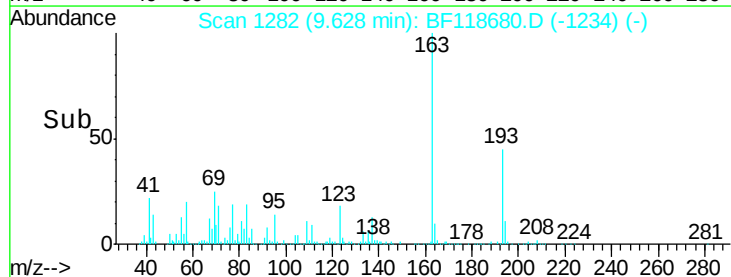
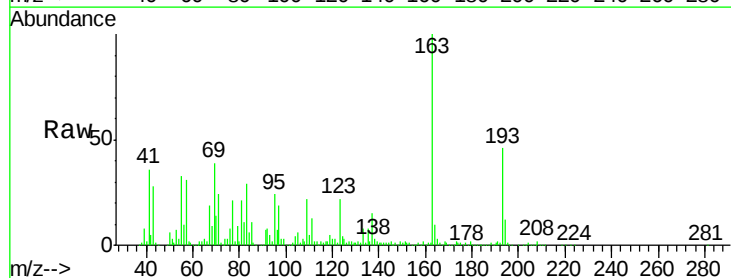
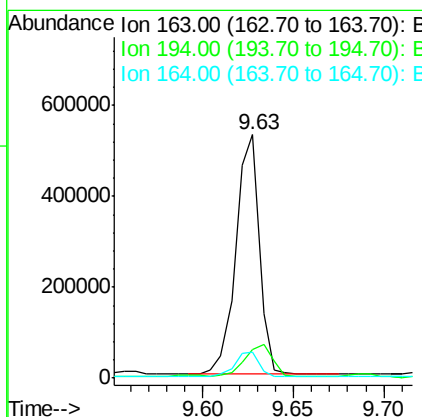
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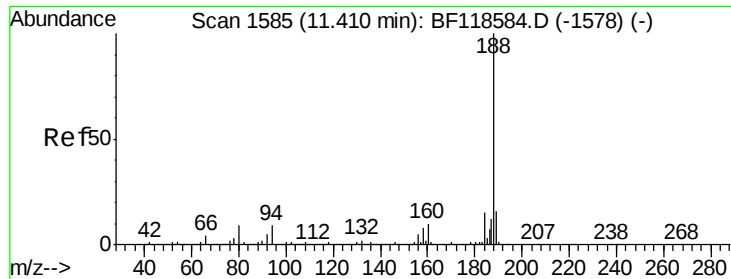
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#50
Dimethylphthalate
Concen: 9.700 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	11.8	3.9	5.9#	
164	10.4	9.1	13.7	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

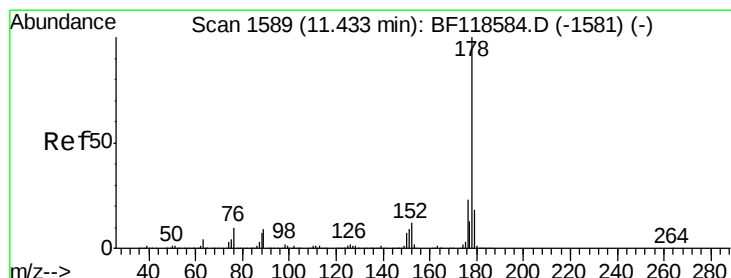
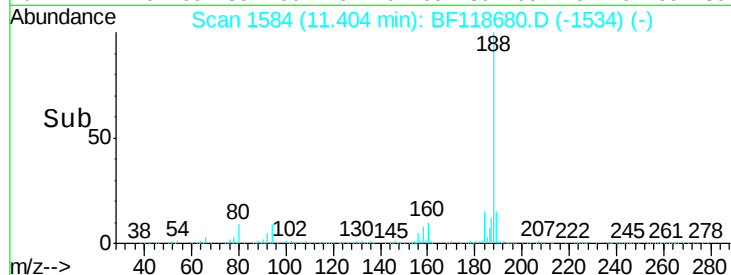
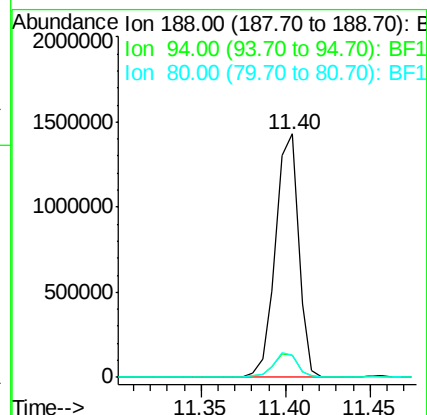
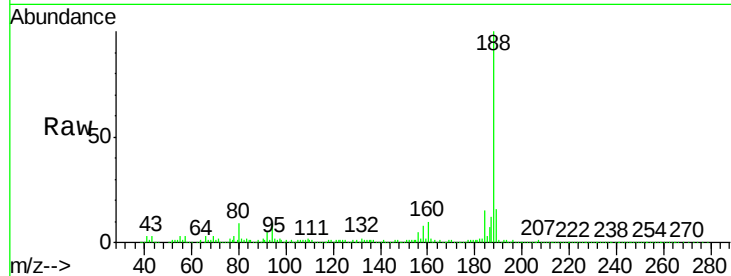
ClientSampleId :

ST-CONCRETE

Tot Ion:	188	Resp:	1358297
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.1	10.7
80	9.2	7.5	11.3

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#71

Phenanthrene

Concen: 10.399 ng

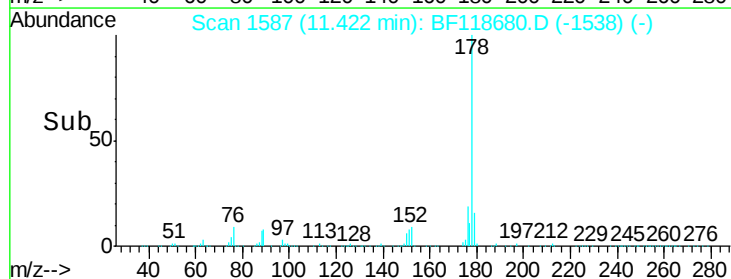
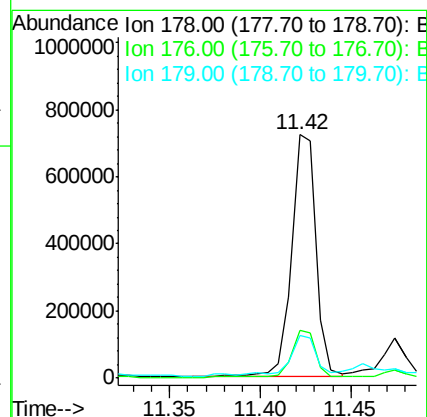
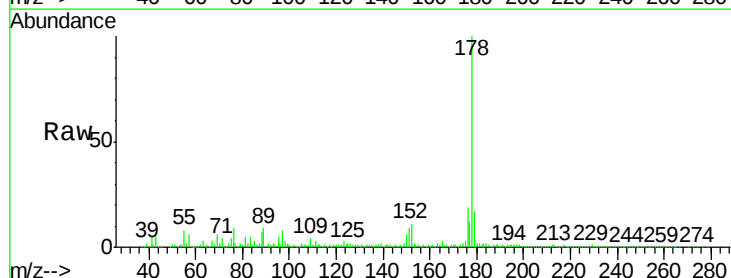
RT: 11.42 min Scan# 1587

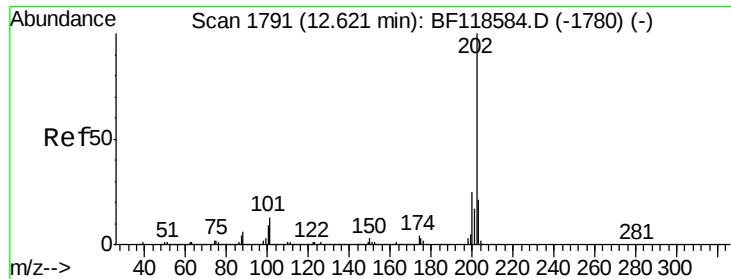
Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Tgt Ion:	178	Resp:	681461
Ion Ratio	Lower	Upper	
178	100		
176	19.5	18.6	27.8
179	17.5	14.7	22.1





#75

Fluoranthene

Concen: 9.898 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

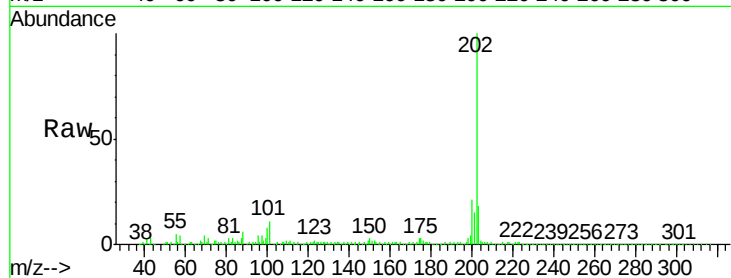
ClientSampleId :

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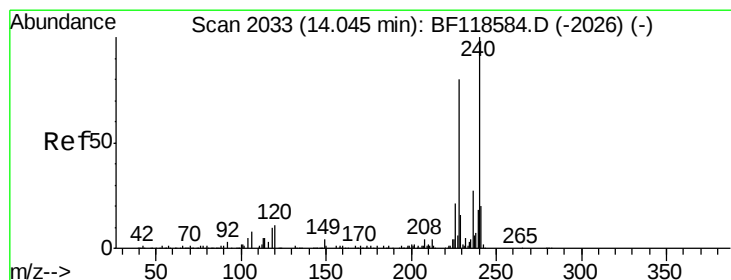
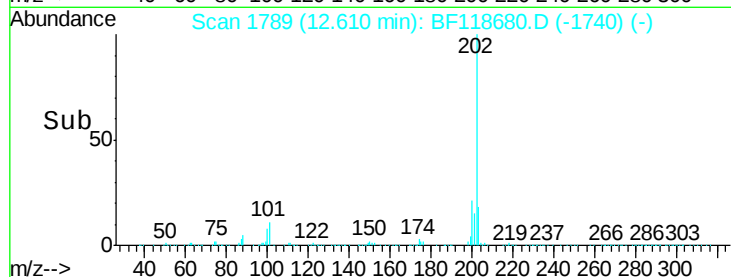
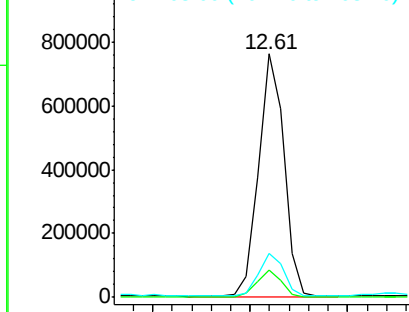
Tot Ion:	202	Resp:	684074
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.5
203	18.3	0.8	40.8

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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

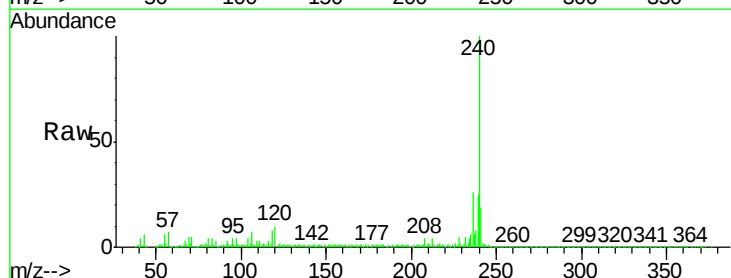
RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

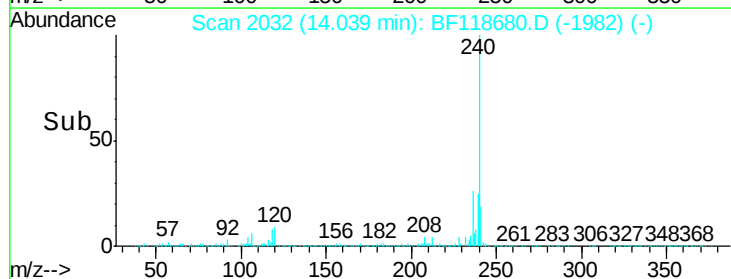
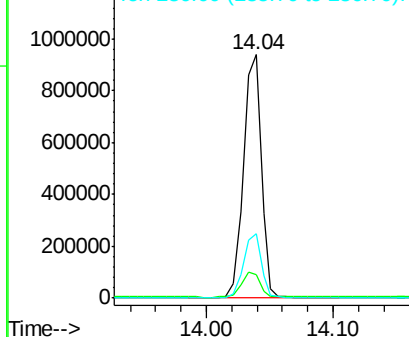
Lab File: BF118680.D

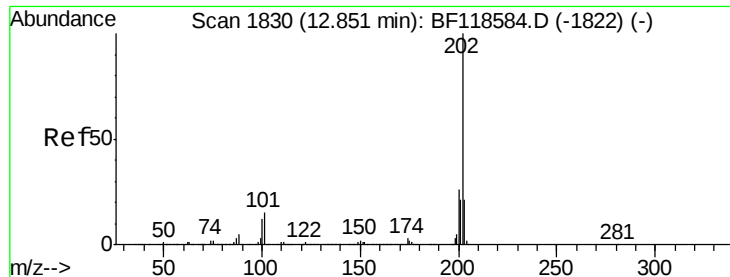
Acq: 23 Jan 2020 17:44

Tgt Ion:	240	Resp:	909458
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.9	13.3
236	26.4	21.5	32.3



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





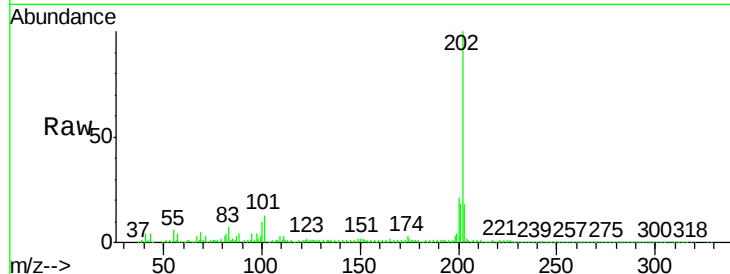
#78
Pvrene
Concen: 9.928 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

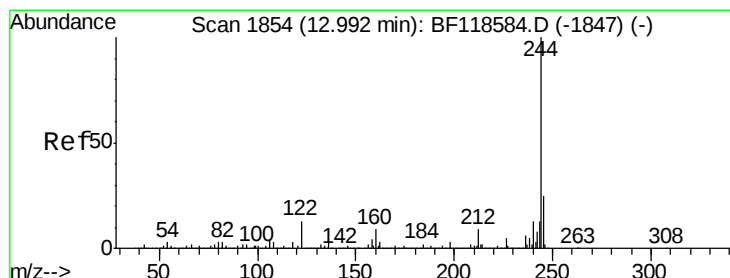
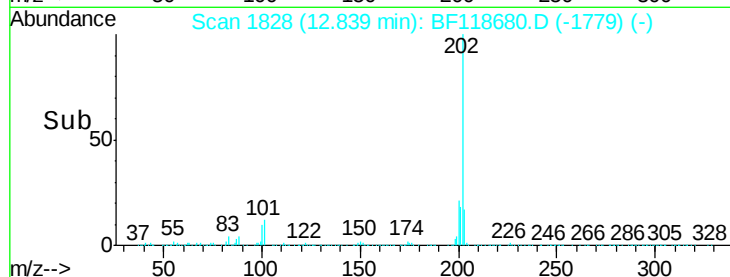
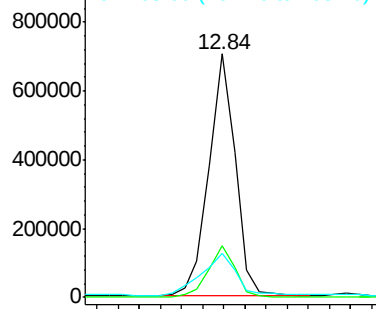
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	20.6	31.0
203	18.2	16.8	25.2

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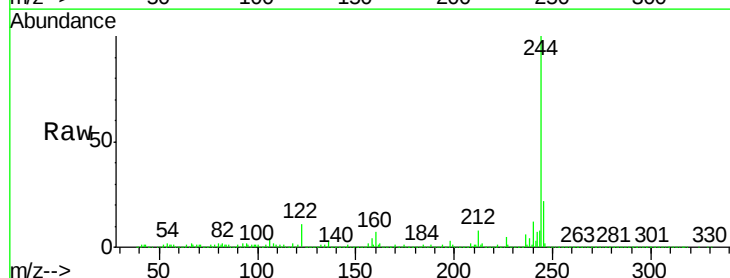


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

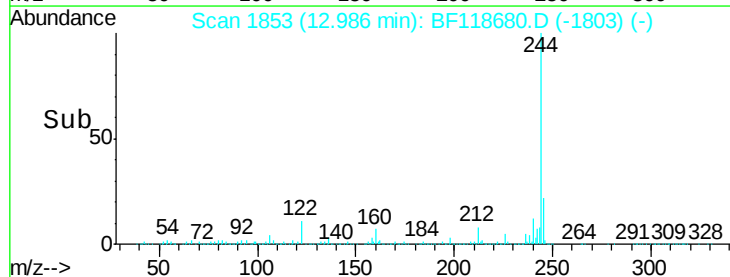
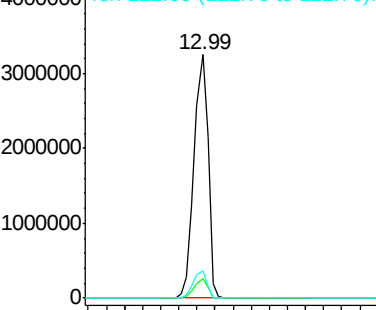


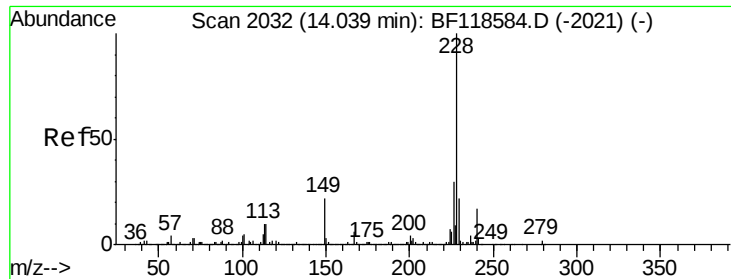
#79
Terphenyl-d14
Concen: 82.981 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.0	10.4
122	11.3	10.7	16.1



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





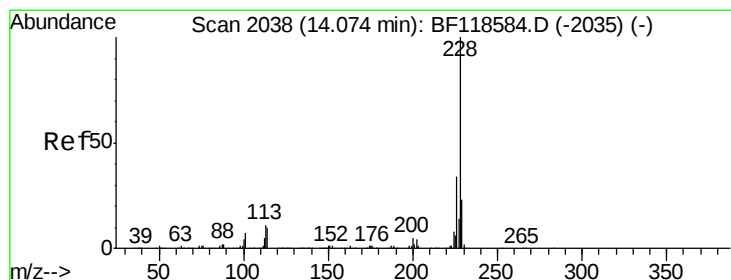
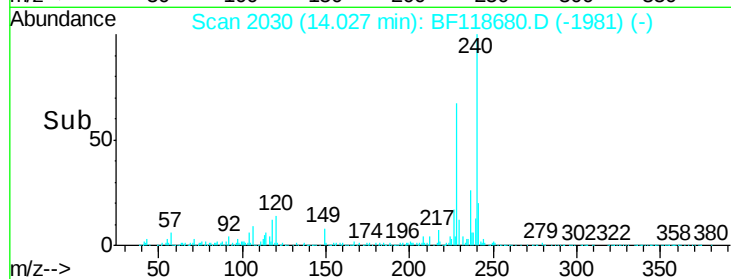
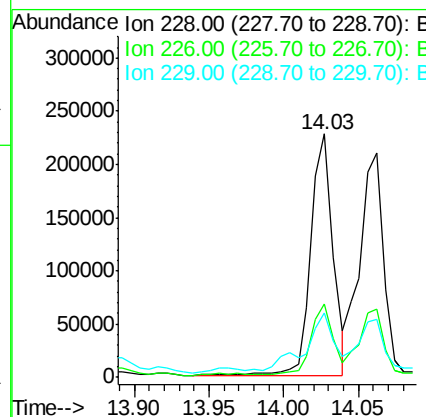
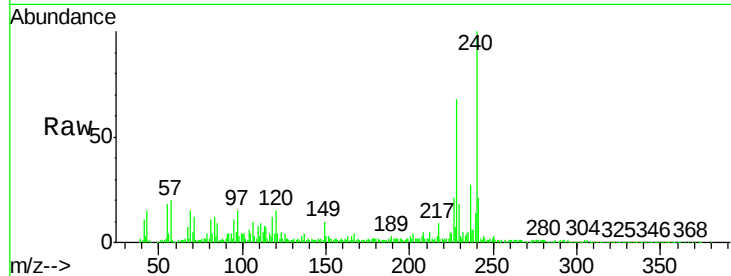
#81
Benzo(a)anthracene
Concen: 4.236 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	26.3	17.6	26.4

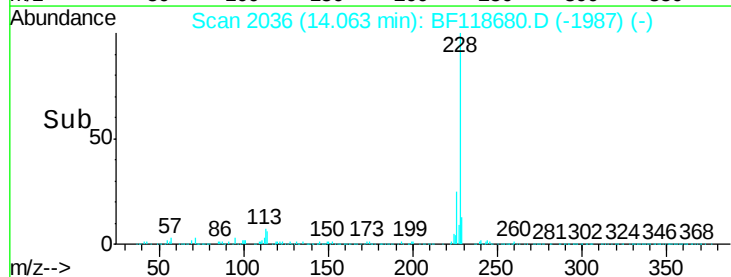
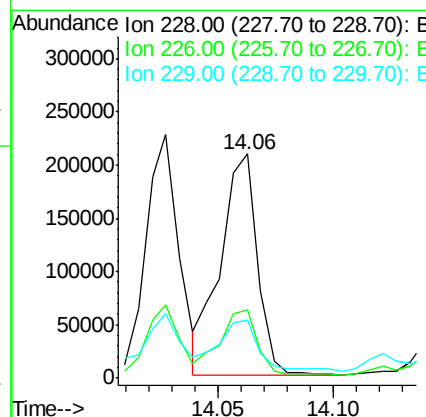
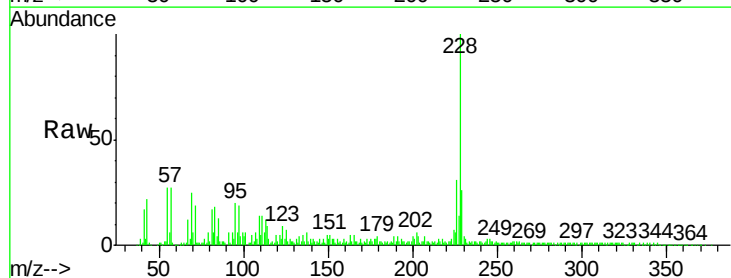
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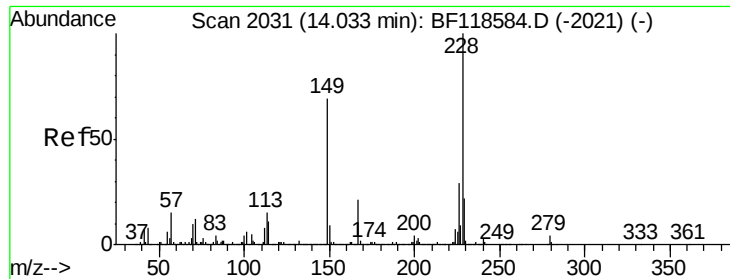
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#83
Chrysene
Concen: 4.413 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	27.4	41.0
229	26.1	18.3	27.5





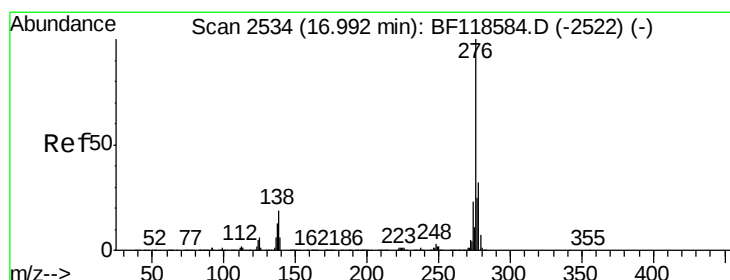
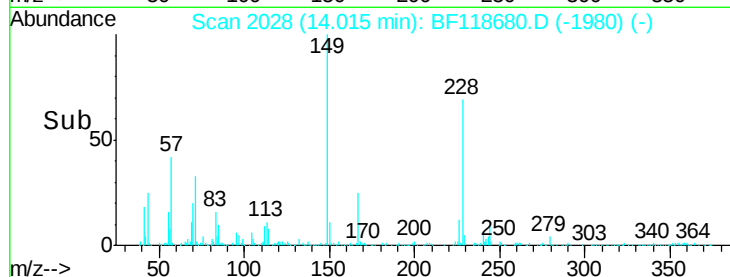
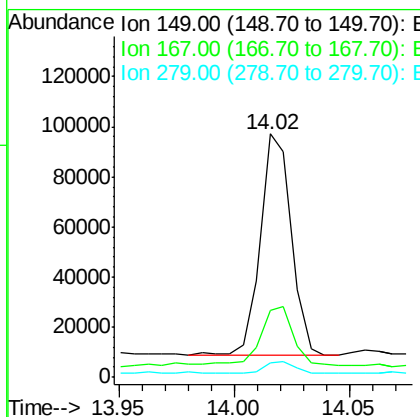
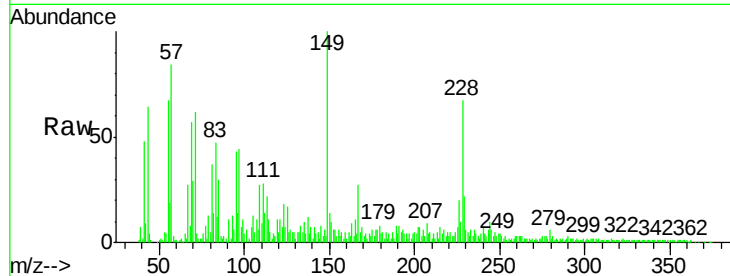
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.671 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	24.2	36.4
279	5.9	5.0	7.4

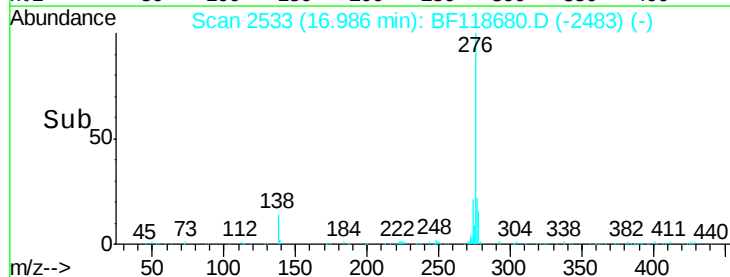
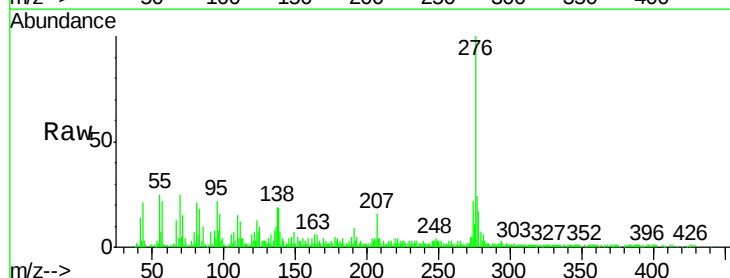
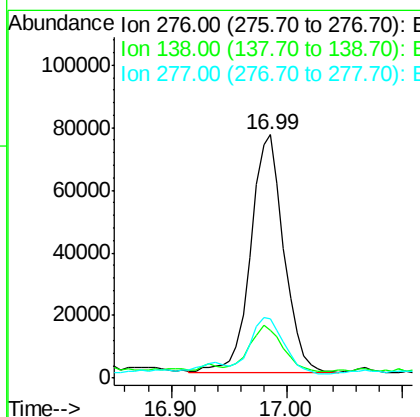
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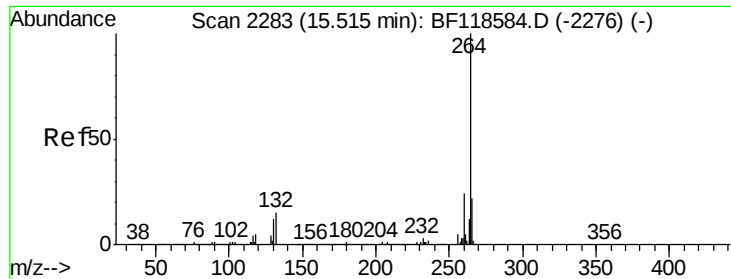
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.322 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.2	25.8
277	24.4	20.5	30.7





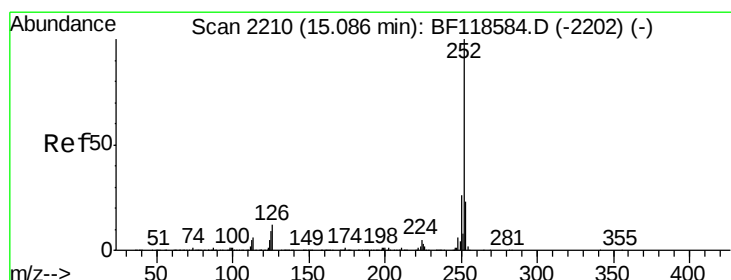
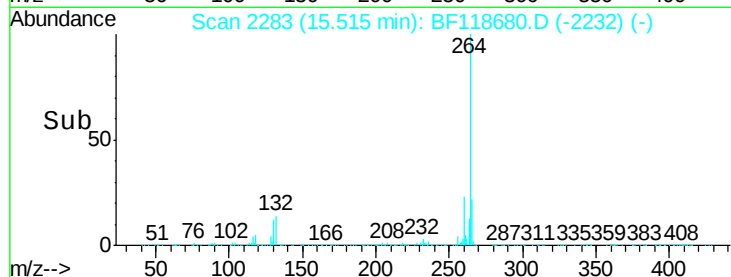
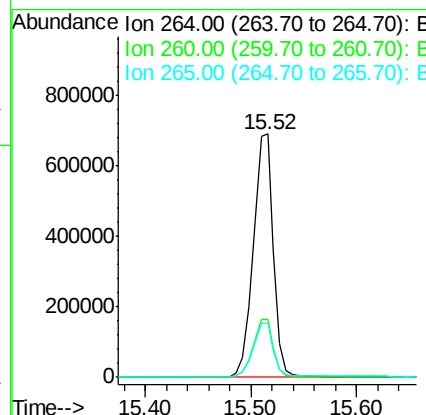
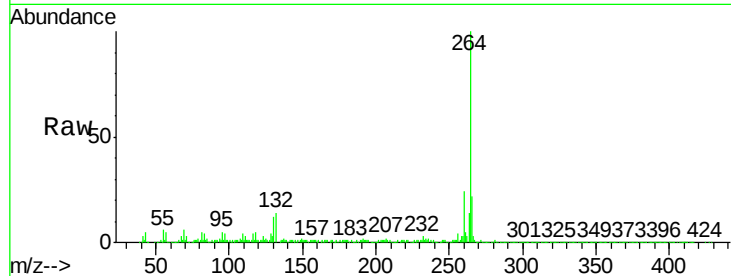
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.1	17.7	26.5

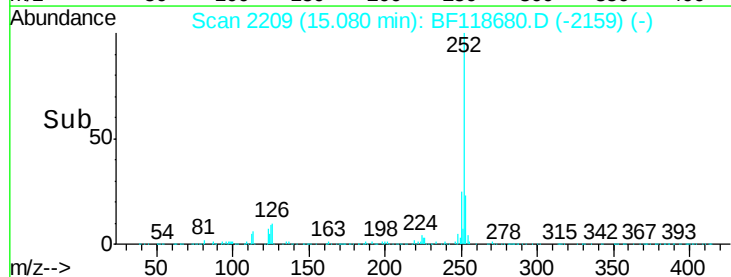
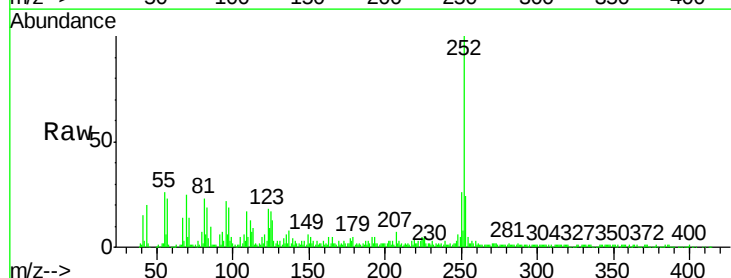
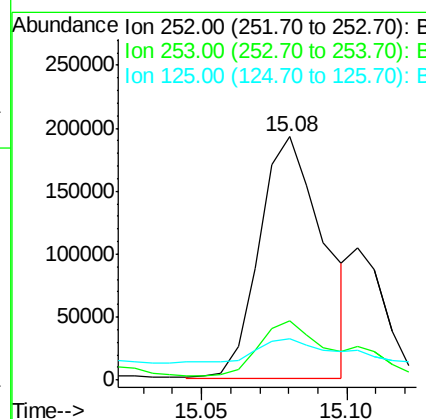
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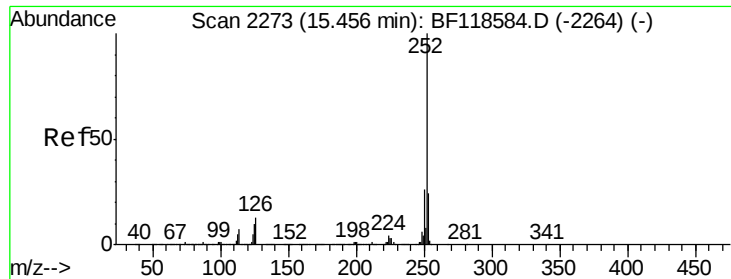
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#88
Benzo(b)fluoranthene
Concen: 5.123 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.7	28.1
125	16.9	7.3	10.9





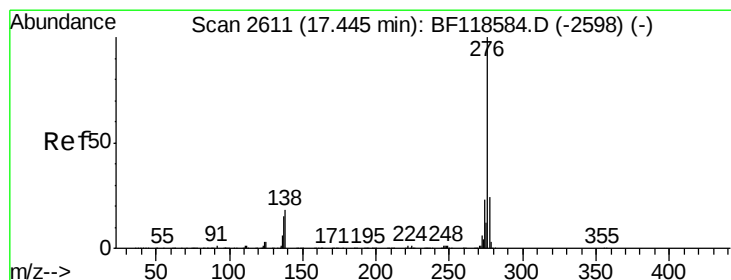
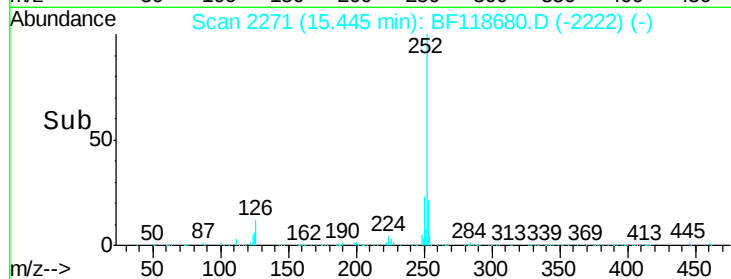
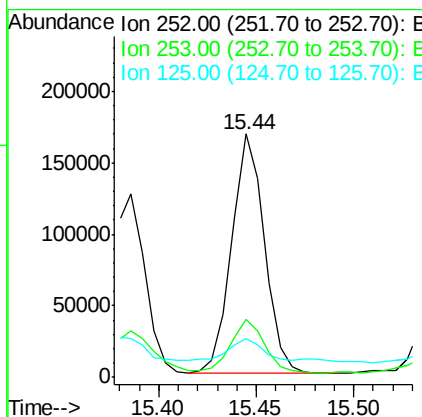
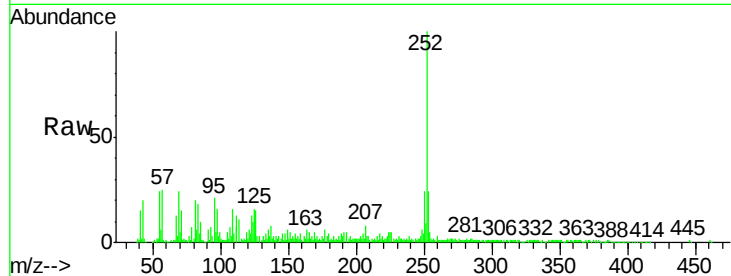
#90
Benzo(a)pyrene
Concen: 3.978 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.8	28.2
125	16.2	7.8	11.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.227 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.9	28.3
138	20.5	14.4	21.6

