

Data File : BF118693.D
Acq On : 24 Jan 2020 18:46
Operator : CG/JU
Sample : L1007-11 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

Quant Time: Jan 27 01:03:34 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	6.86	152	293574	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	1094215	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	610458	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	1019069	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	643864	20.00	ng	-0.03
87) Perylene-d12	15.48	264	711047	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	657805	41.62	ng	-0.02
7) Phenol-d6	6.49	99	769047	37.43	ng	-0.02
23) Nitrobenzene-d5	7.42	82	462990	23.67	ng	-0.03
42) 2,4,6-Tribromophenol	10.68	330	236015	33.43	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1003880	27.03	ng	-0.03
79) Terphenyl-d14	12.96	244	973771	32.99	ng	-0.03

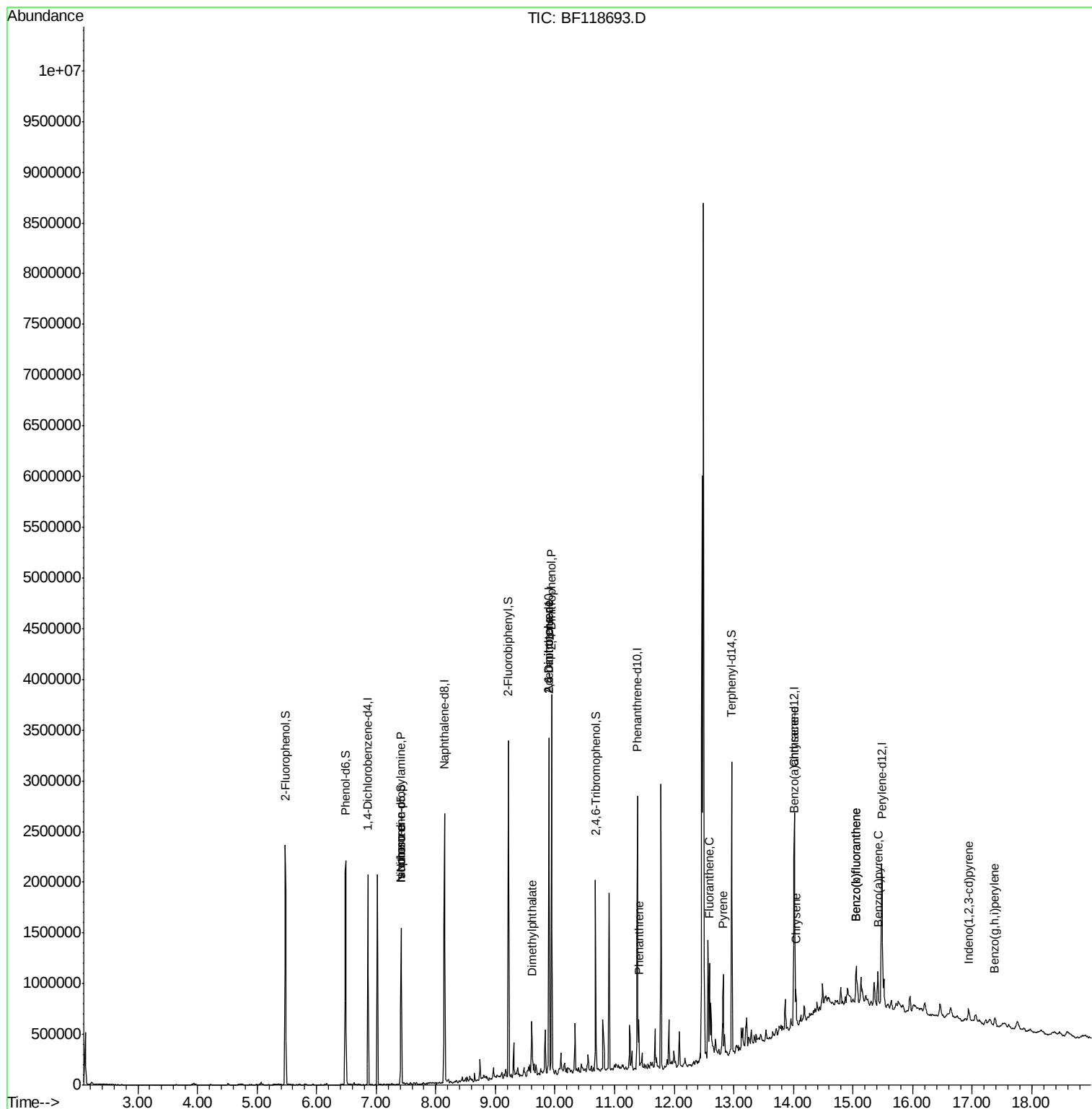
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	61447	4.429	ng	# 77
25) Isophorone	7.42	82	462985	12.976	ng	# 64
50) Dimethylphthalate	9.61	163	174830	4.396	ng	97
51) 2,6-Dinitrotoluene	9.90	165	82858	9.304	ng	# 21
54) 2,4-Dinitrophenol	9.95	184	7337	2.064	ng	# 1
57) 2,4-Dinitrotoluene	9.90	165	82858	7.380	ng	# 25
71) Phenanthrene	11.40	178	162793	3.311	ng	92
75) Fluoranthene	12.59	202	318157	6.136	ng	93
78) Pyrene	12.82	202	318865	7.295	ng	# 91
81) Benzo(a)anthracene	14.00	228	172511	4.454	ng	100
83) Chrysene	14.04	228	146247	3.940	ng	94
86) Indeno(1,2,3-cd)pyrene	16.94	276	93668	2.904	ng	95
88) Benzo(b)fluoranthene	15.05	252	289355	6.474	ng	# 96
89) Benzo(k)fluoranthene	15.05	252	289355	6.988	ng	# 97
90) Benzo(a)pyrene	15.42	252	161795	4.196	ng	# 94
92) Benzo(g,h,i)perylene	17.38	276	83919	2.534	ng	94

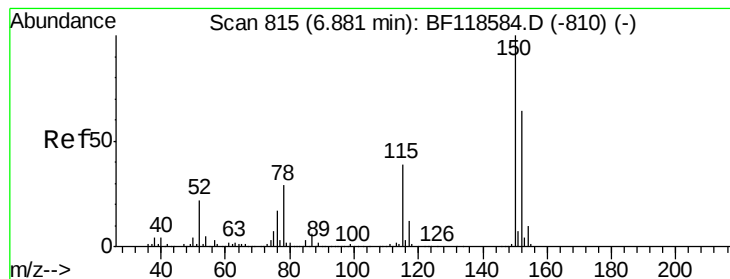
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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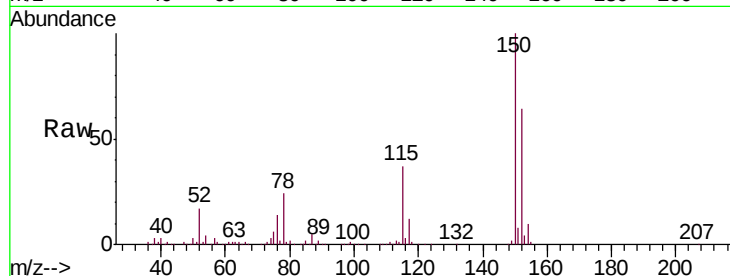


#1

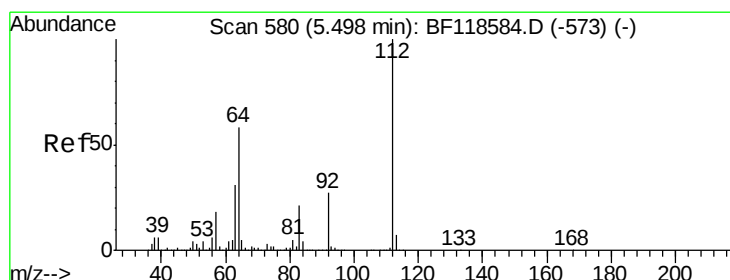
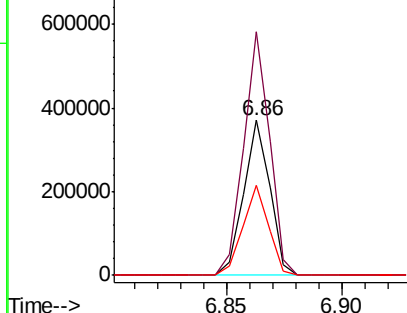
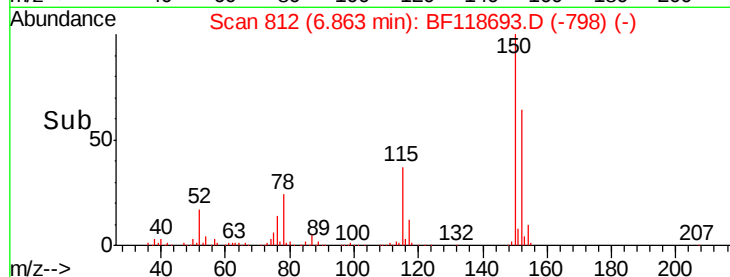
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

Tgt Ion:152 Resp: 293574
Ion Ratio Lower Upper
152 100
150 157.0 125.6 188.4
115 58.2 48.4 72.6



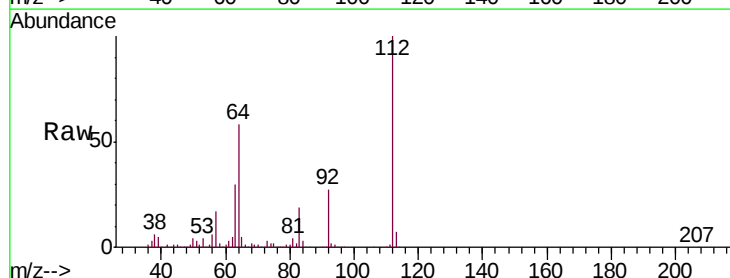
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



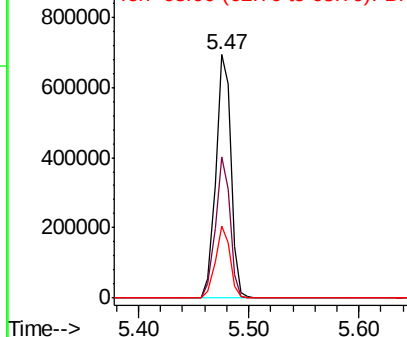
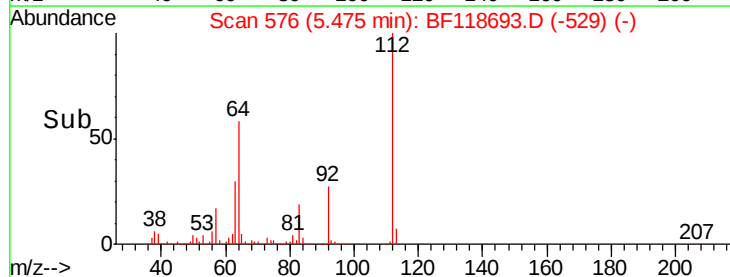
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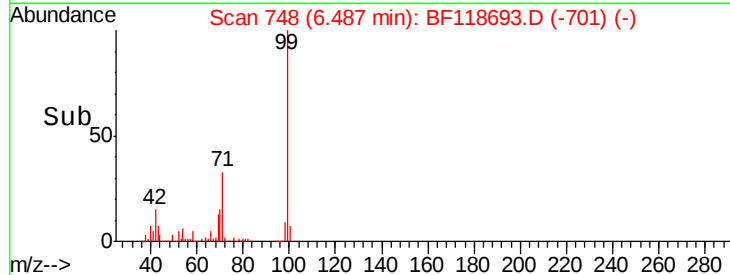
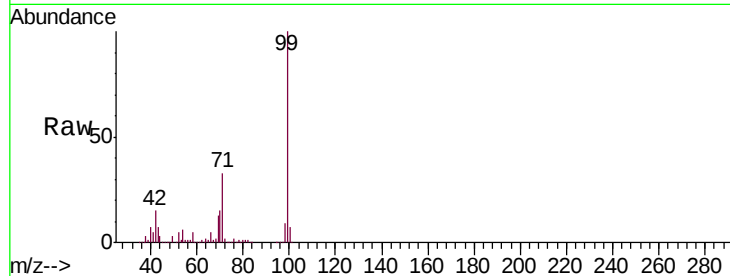
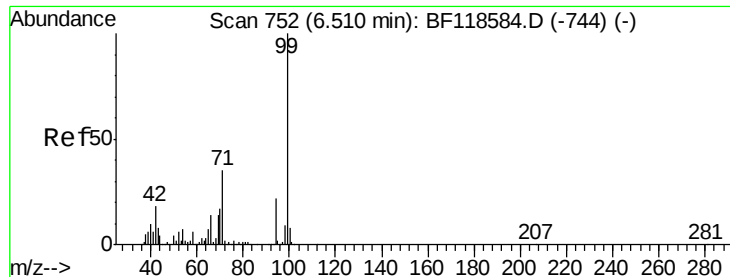
2-Fluorophenol
Concen: 41.615 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion:112 Resp: 657805
Ion Ratio Lower Upper
112 100
64 57.8 46.6 70.0
63 29.9 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

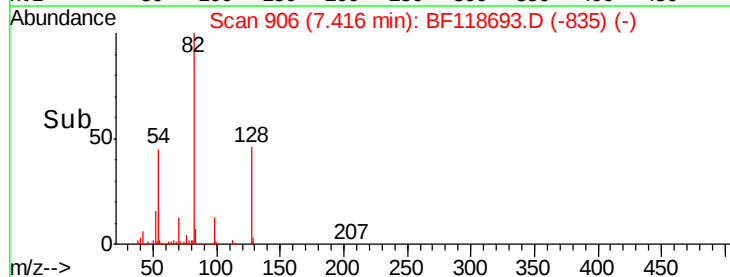
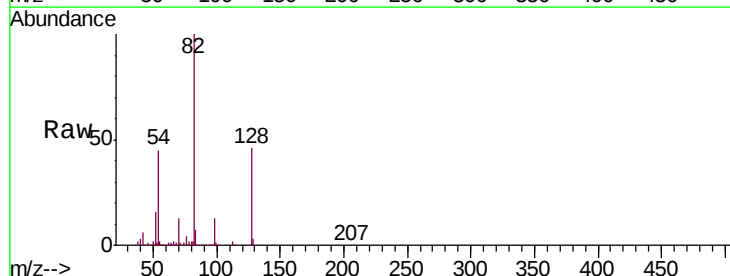
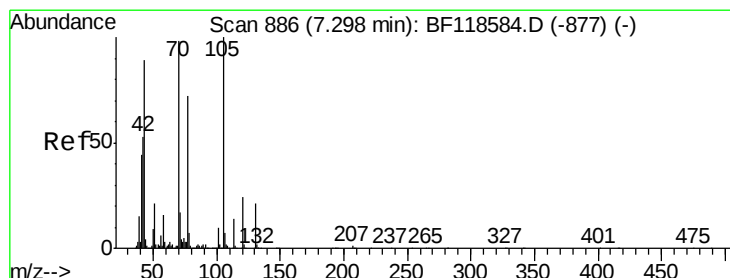
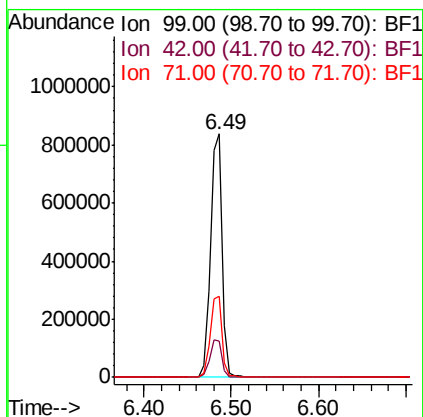




#7
Phenol-d6
Concen: 37.433 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

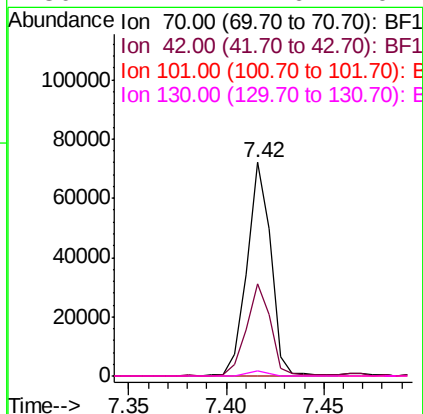
Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

Tgt Ion:	99	Resp:	769047
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.2	21.2
71	33.1	27.8	41.6



#19
n-Nitroso-di-n-propylamine
Concen: 4.429 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.12 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion:	70	Resp:	61447
Ion	Ratio	Lower	Upper
70	100		
42	43.3	43.4	65.0#
101	0.0	8.1	12.1#
130	2.4	17.6	26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

Instrument :

BNA_F

ClientSampleId :

JC-03-012320-B

Tgt Ion:136 Resp: 1094215

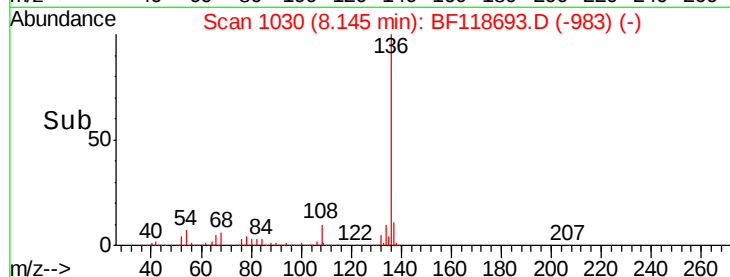
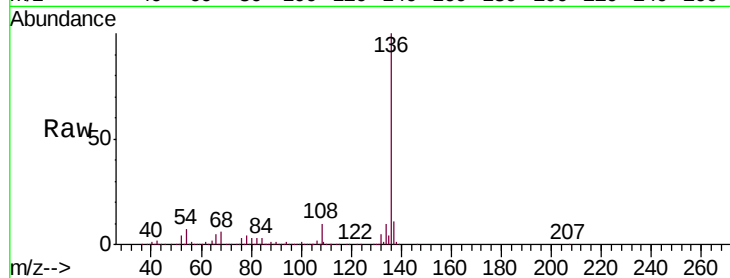
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.8 5.8 8.6

68 5.7 5.0 7.4

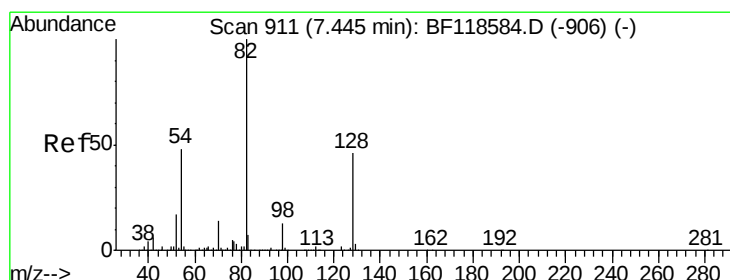
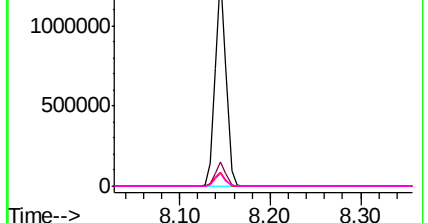


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.667 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.03 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

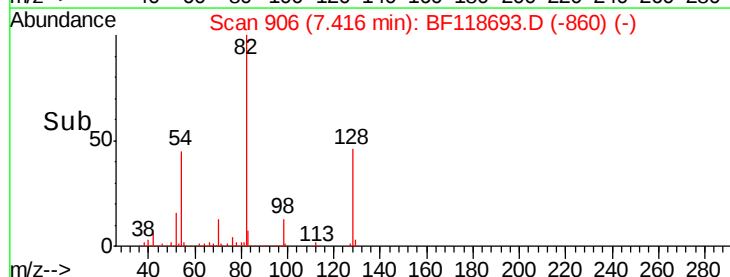
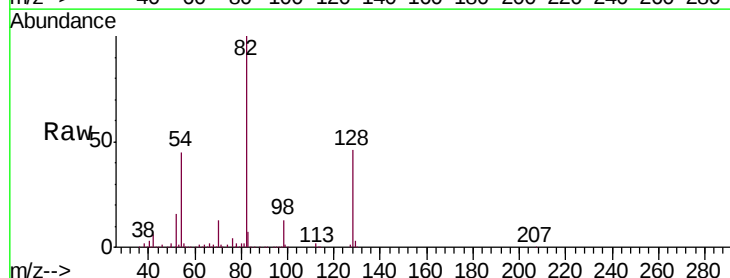
Tgt Ion: 82 Resp: 462990

Ion Ratio Lower Upper

82 100

128 45.5 36.6 54.8

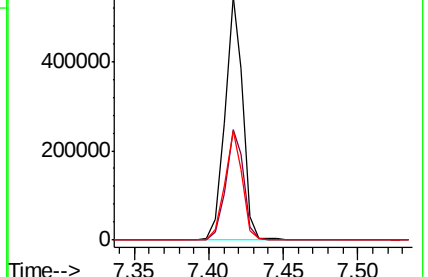
54 45.0 38.0 57.0

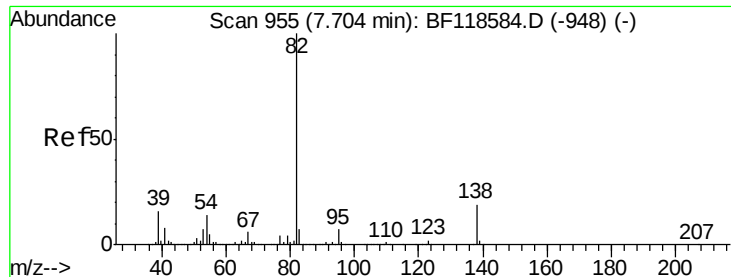


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.976 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.29 min

Lab File: BF118693.D

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Instrument :

BNA_F

ClientSampleId :

JC-03-012320-B

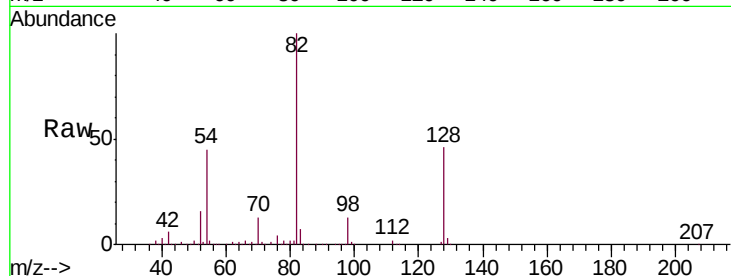
Tgt Ion: 82 Resp: 462985

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

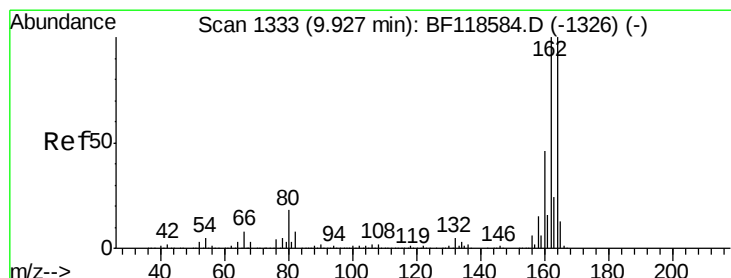
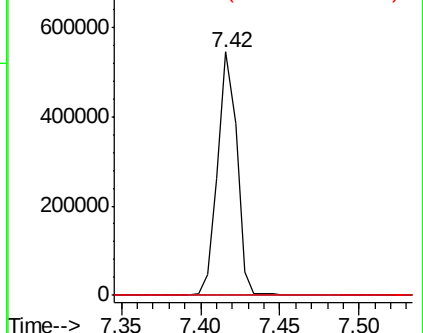
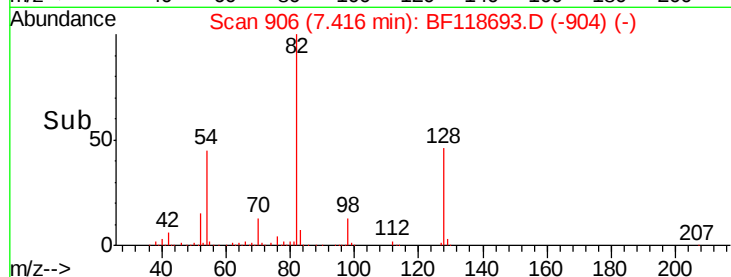
138 0.0 15.3 22.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.03 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

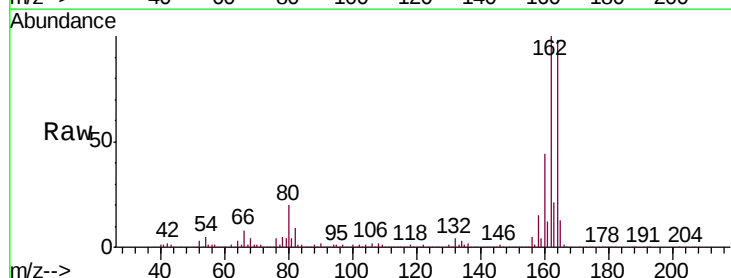
Tgt Ion: 164 Resp: 610458

Ion Ratio Lower Upper

164 100

162 102.3 80.4 120.6

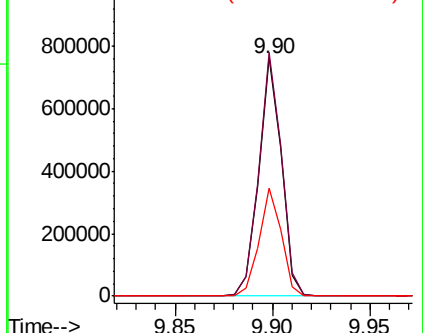
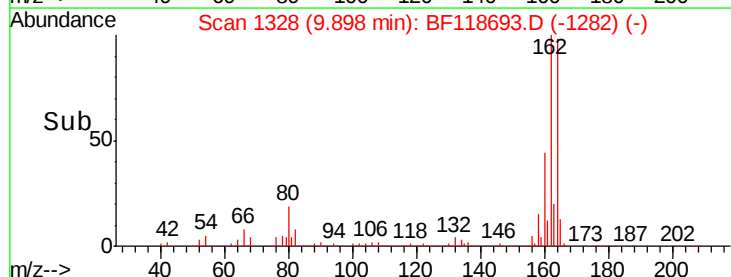
160 45.3 36.6 55.0

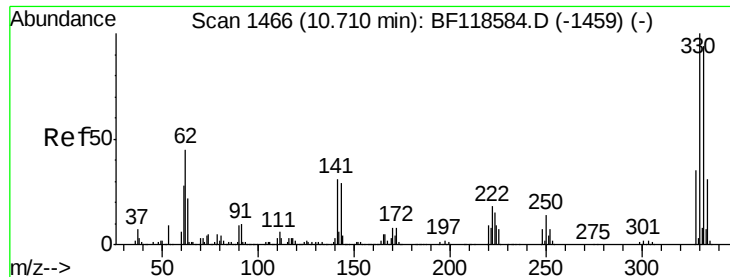


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

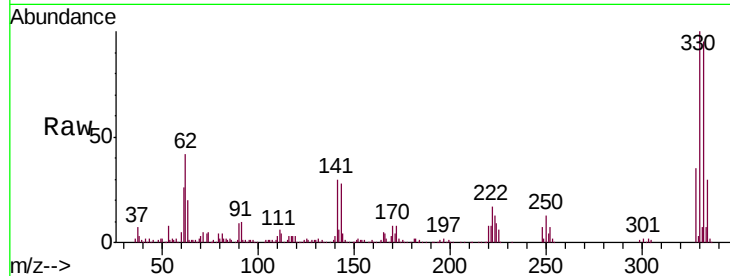




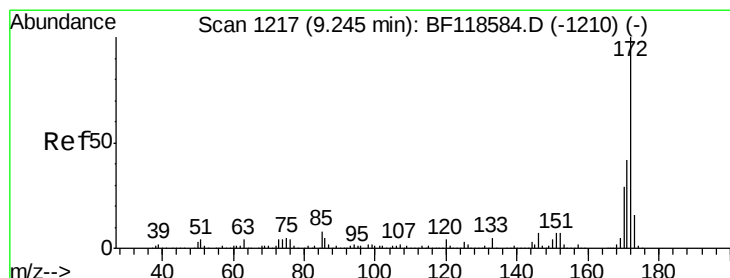
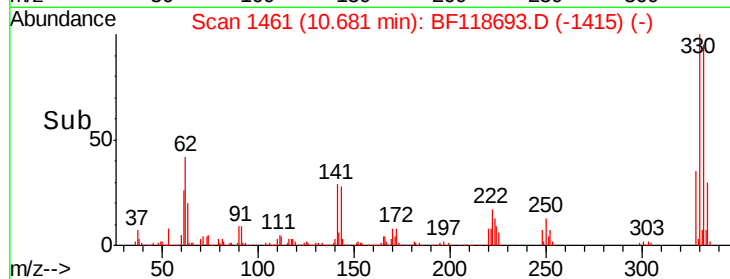
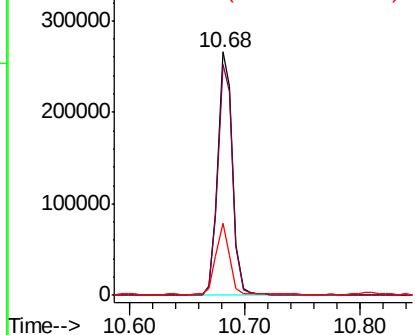
#42
 2,4,6-Tribromophenol
 Concen: 33.426 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF118693.D
 Acq: 24 Jan 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-012320-B

Tgt Ion:330 Resp: 236015
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.2 114.4
 141 26.9 23.9 35.9

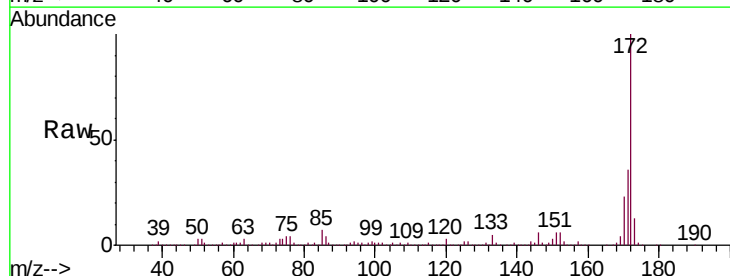


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

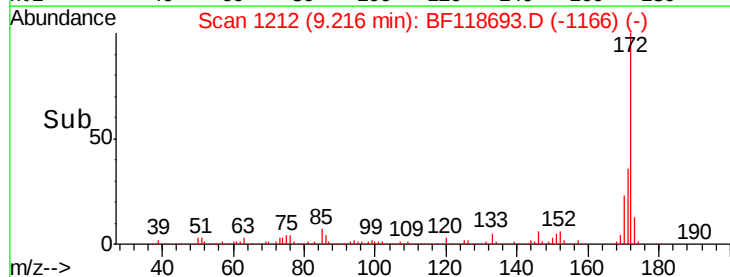
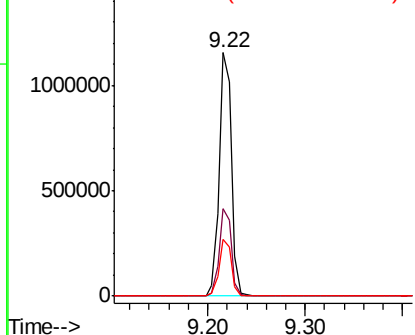


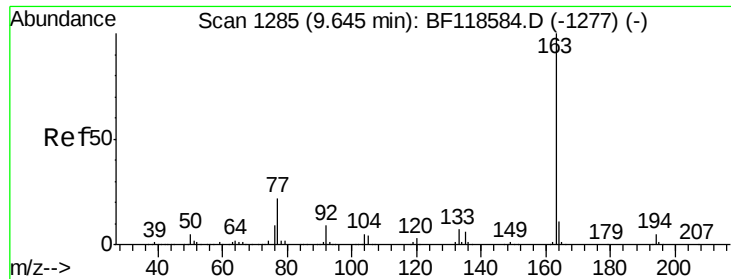
#45
 2-Fluorobiphenyl
 Concen: 27.029 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF118693.D
 Acq: 24 Jan 2020 18:46

Tgt Ion:172 Resp: 1003880
 Ion Ratio Lower Upper
 172 100
 171 35.9 33.4 50.2
 170 23.3 23.2 34.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

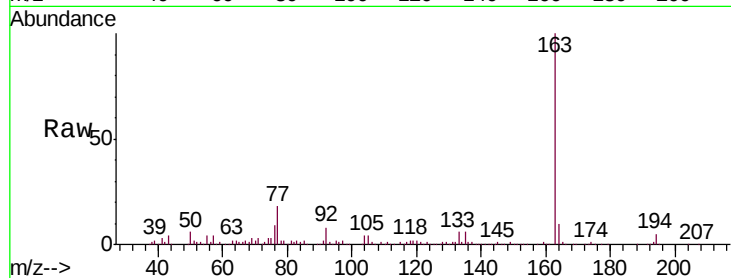




#50
Dimethylphthalate
Concen: 4.396 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Instrument :
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ClientSampleId :
JC-03-012320-B

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.9	5.9
164	9.9	9.1	13.7

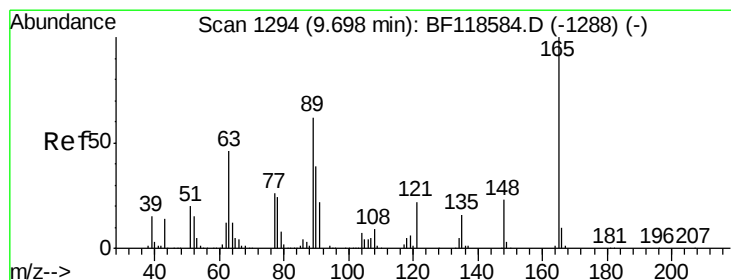
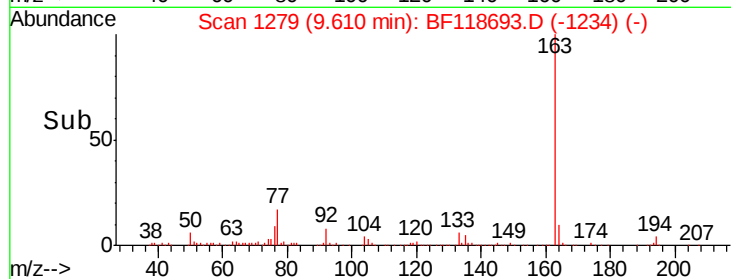
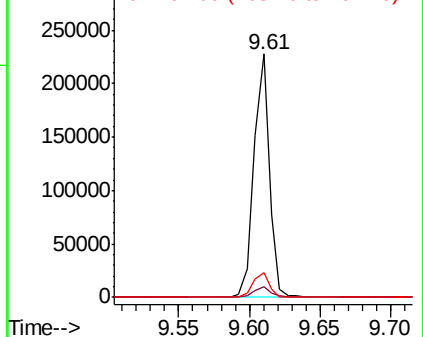


Abundance

Ion 163.00 (162.70 to 163.70): E

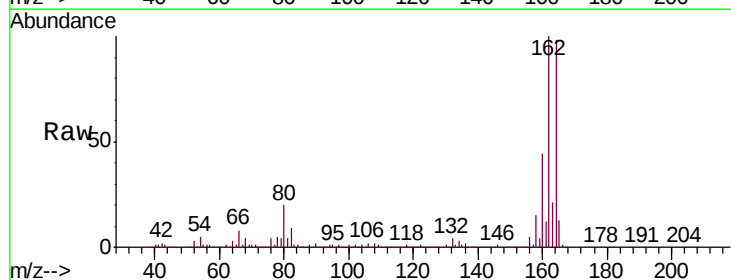
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.304 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.20 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	48.9	73.3#
89	1.3	49.8	74.6#

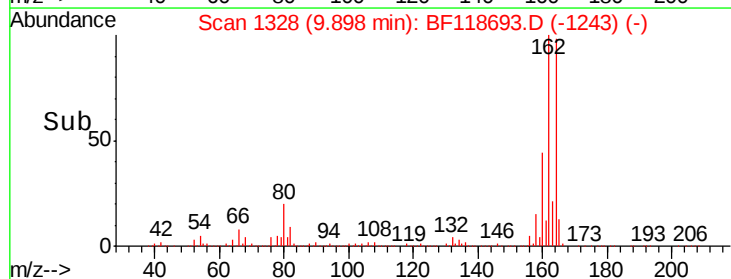
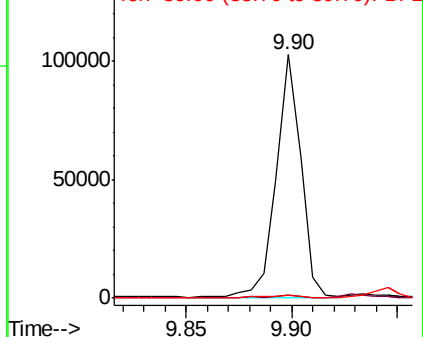


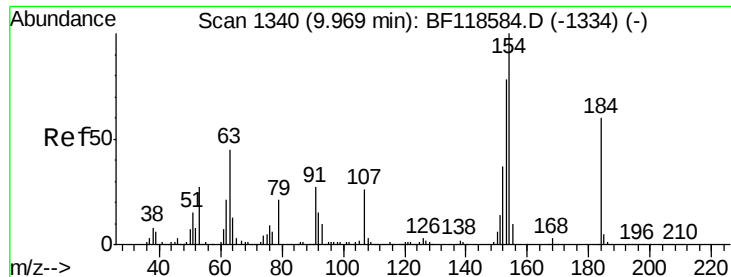
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

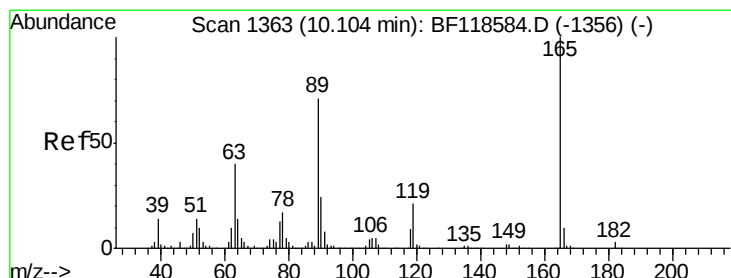
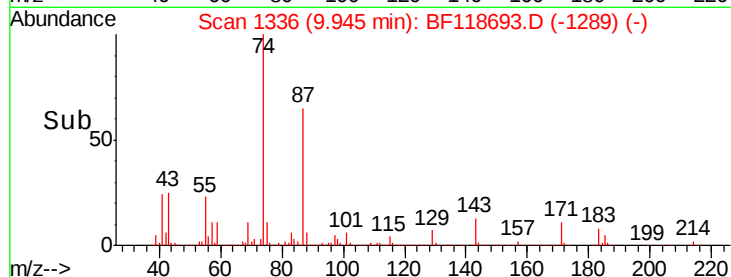
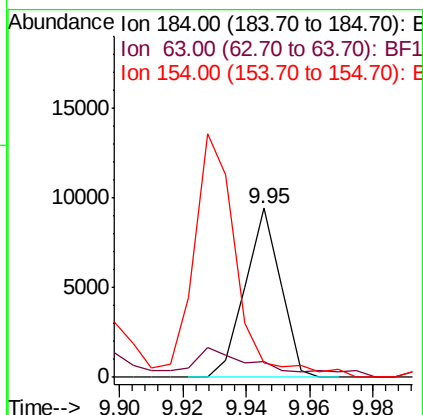
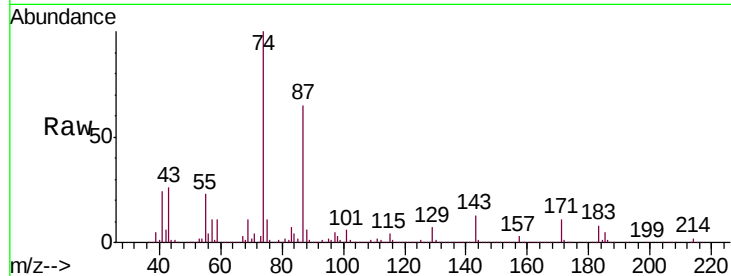




#54
 2,4-Dinitrophenol
 Concen: 2.064 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF118693.D
 Acq: 24 Jan 2020 18:46

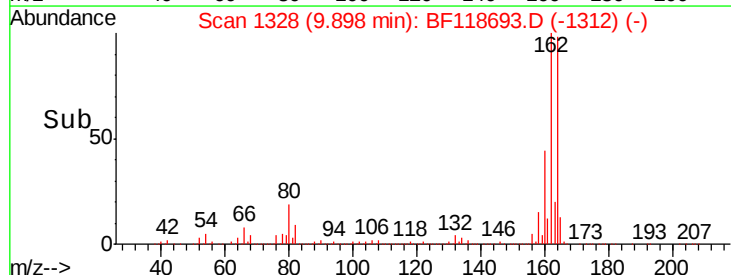
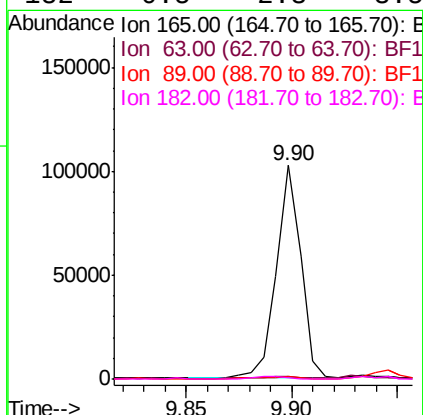
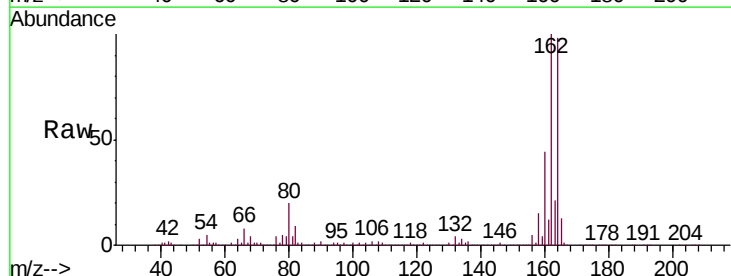
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-012320-B

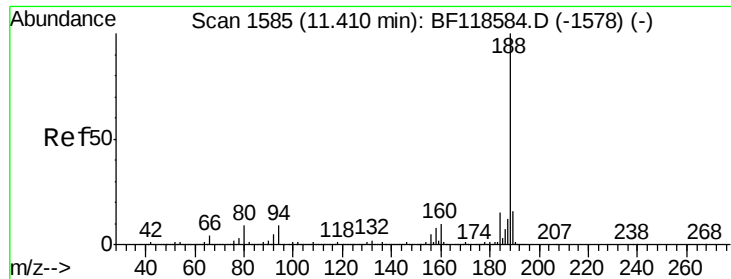
Tgt Ion:184 Resp: 7337
 Ion Ratio Lower Upper
 184 100
 63 9.6 60.6 90.8#
 154 8.2 137.3 205.9#



#57
 2,4-Dinitrotoluene
 Concen: 7.380 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.21 min
 Lab File: BF118693.D
 Acq: 24 Jan 2020 18:46

Tgt Ion:165 Resp: 82858
 Ion Ratio Lower Upper
 165 100
 63 1.3 32.4 48.6#
 89 1.3 56.4 84.6#
 182 0.5 2.3 3.5#

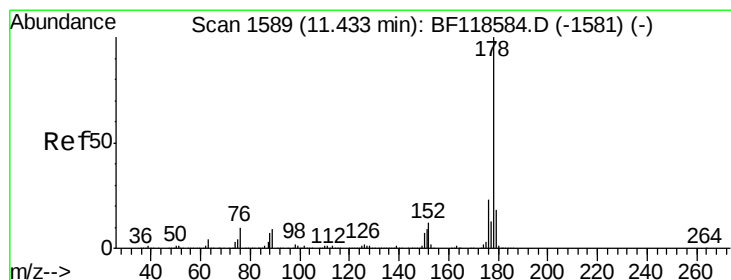
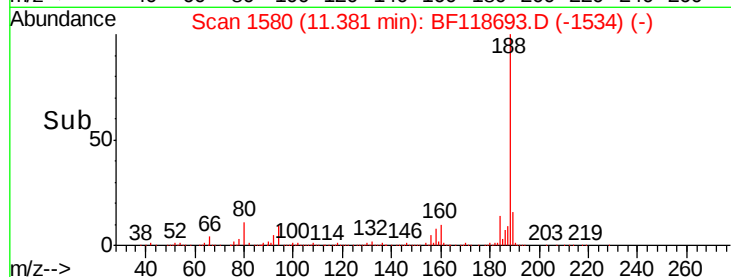
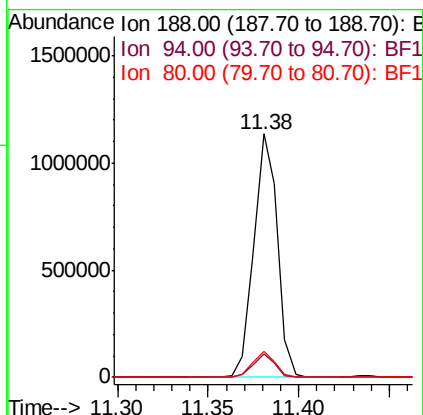
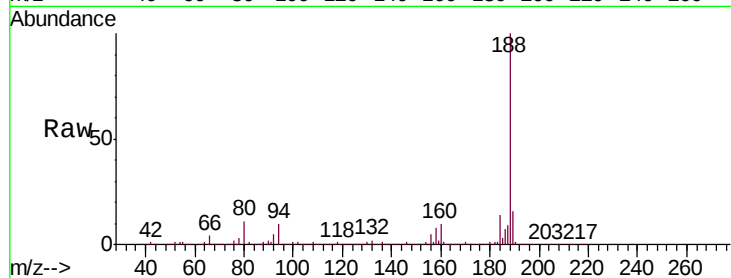




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

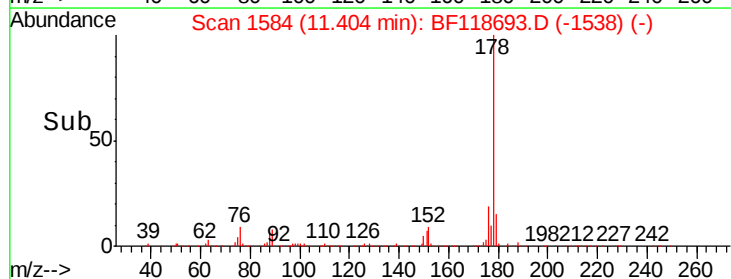
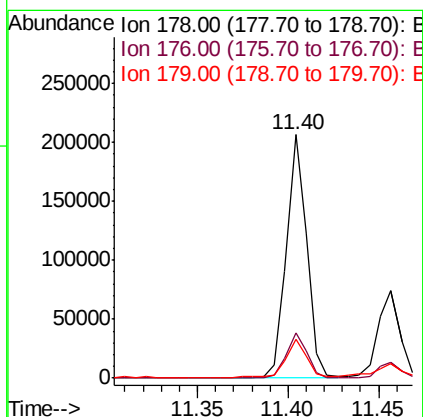
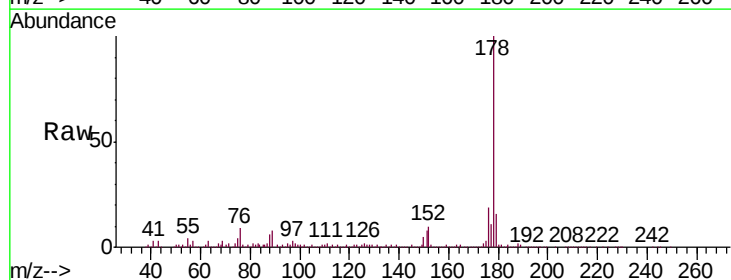
Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

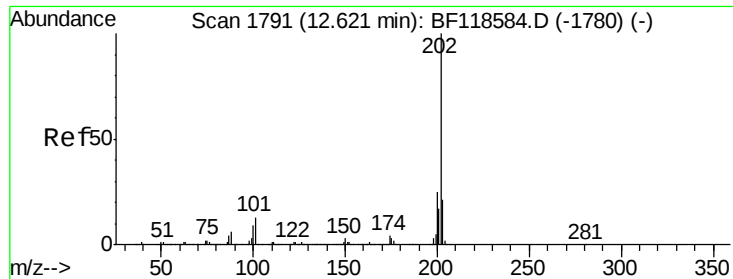
Tgt Ion:188 Resp: 1019069
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 10.7 7.5 11.3



#71
Phenanthrene
Concen: 3.311 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion:178 Resp: 162793
Ion Ratio Lower Upper
178 100
176 18.8 18.6 27.8
179 15.8 14.7 22.1





#75

Fluoranthene

Concen: 6.136 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

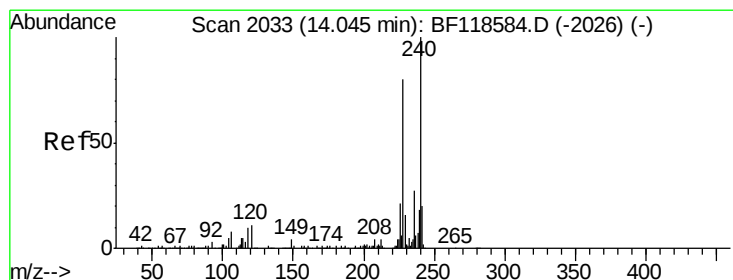
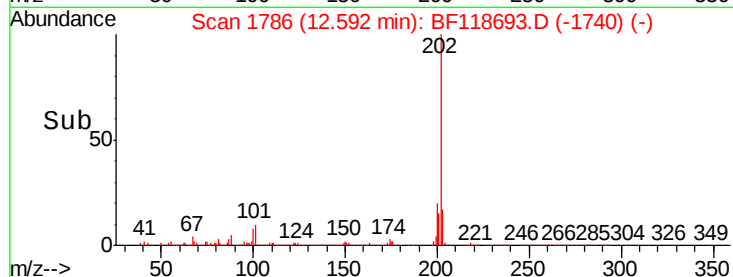
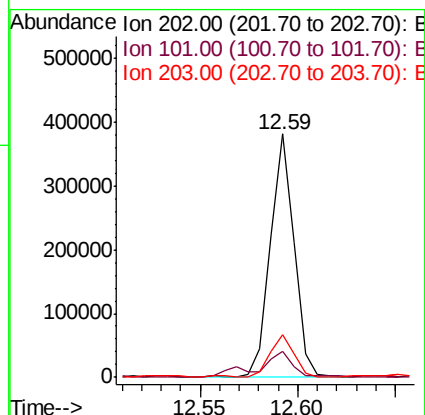
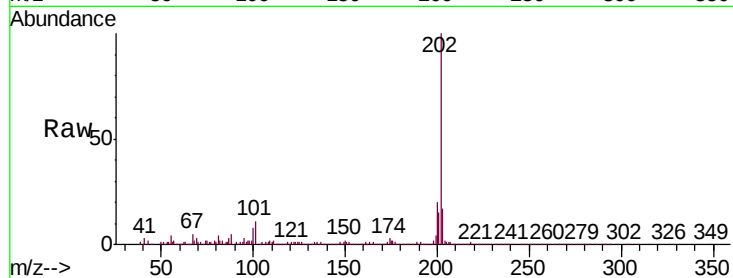
Instrument :

BNA_F

ClientSampleId :

JC-03-012320-B

Tgt Ion:	202	Resp:	318157
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.5
203	17.3	0.8	40.8



#76

Chrysene-d12

Concen: 20.000 ng

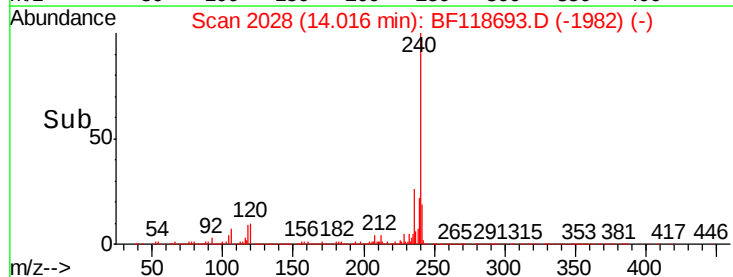
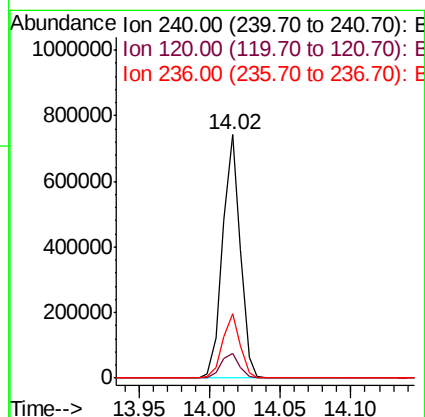
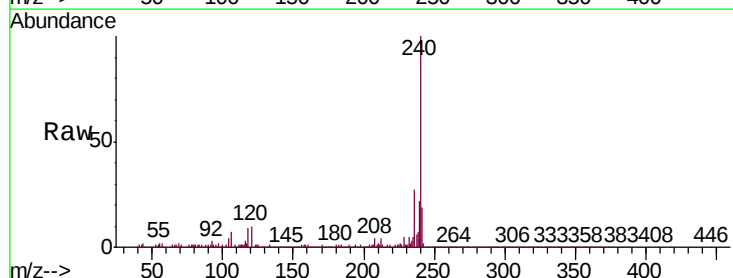
RT: 14.02 min Scan# 2028

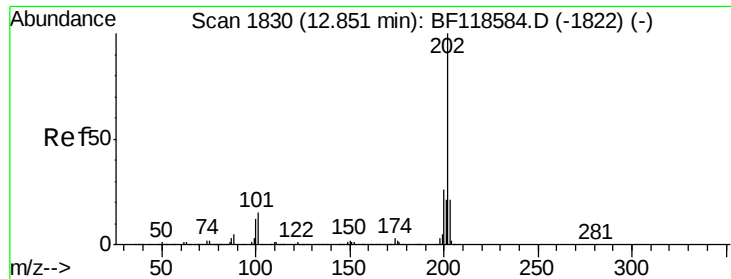
Delta R.T. -0.03 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

Tgt Ion:	240	Resp:	643864
Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	26.6	21.5	32.3

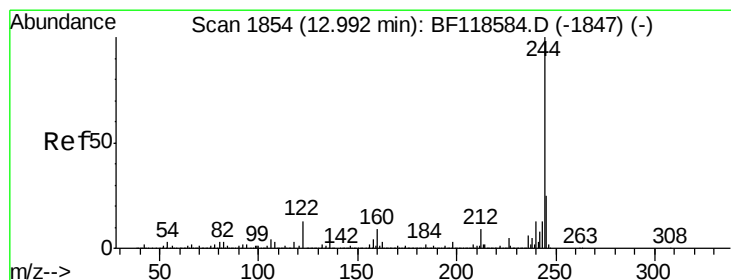
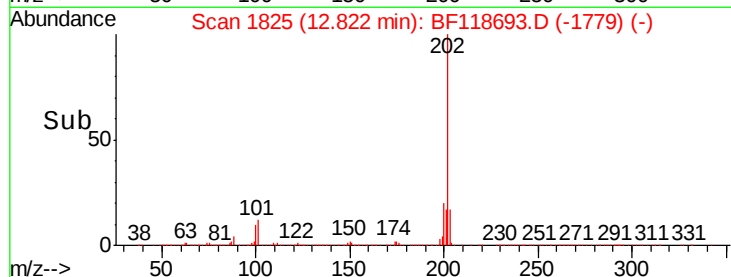
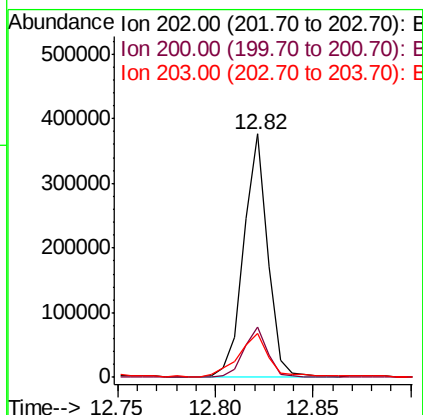
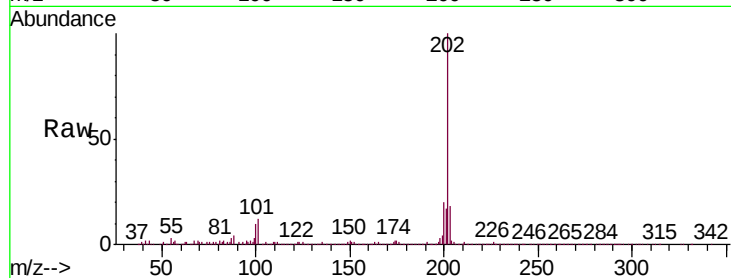




#78
Pyrene
Concen: 7.295 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

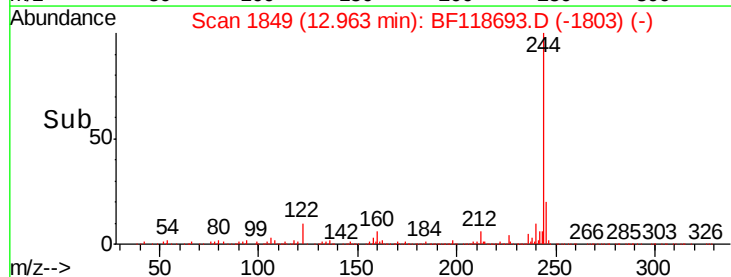
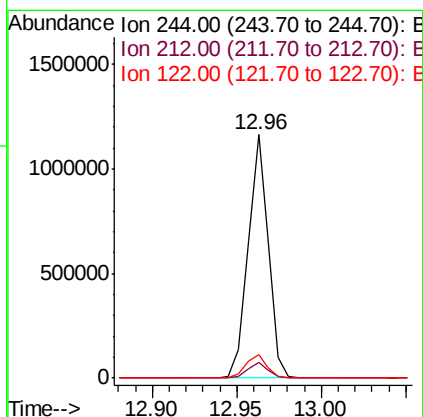
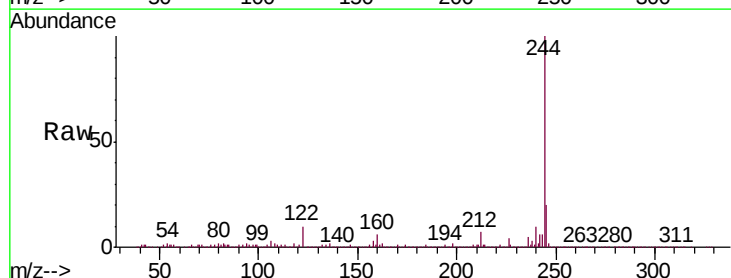
Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

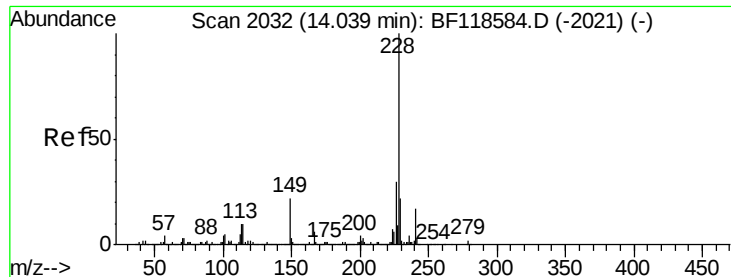
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	20.6	31.0#
203	17.8	16.8	25.2



#79
Terphenyl-d14
Concen: 32.987 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.03 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	7.0	10.4#
122	9.8	10.7	16.1#





#81

Benzo(a)anthracene

Concen: 4.454 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

Instrument :

BNA_F

ClientSampleId :

JC-03-012320-B

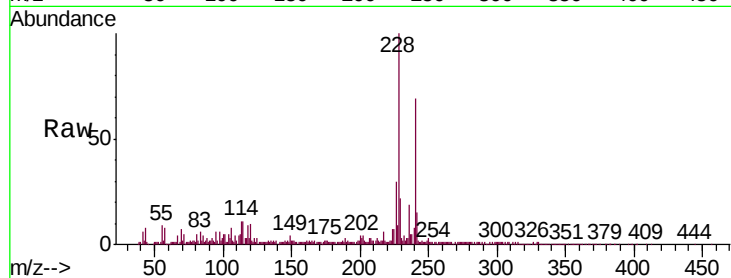
Tgt Ion:228 Resp: 172511

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

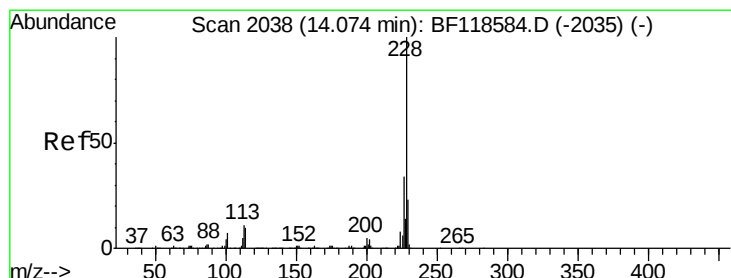
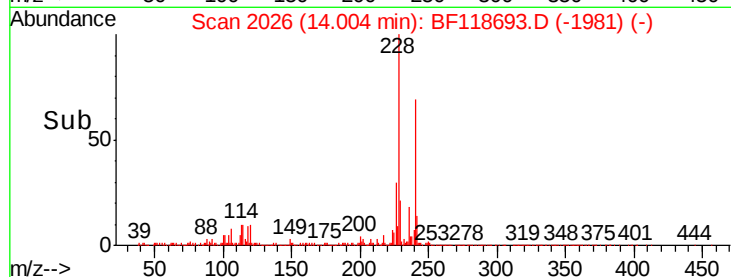
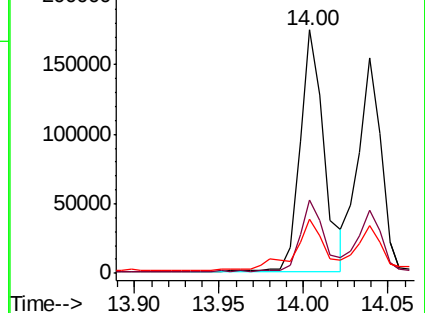
229 22.1 17.6 26.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.940 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.04 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

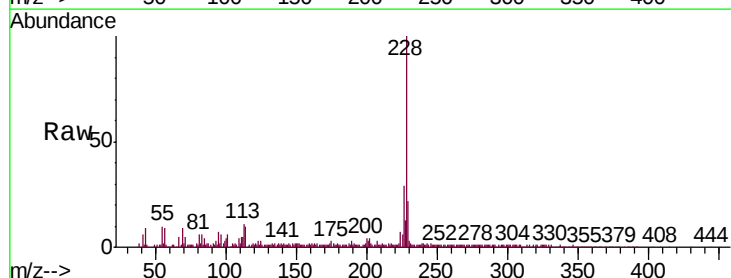
Tgt Ion:228 Resp: 146247

Ion Ratio Lower Upper

228 100

226 29.3 27.4 41.0

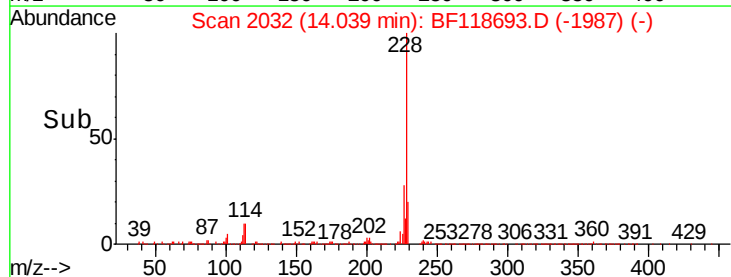
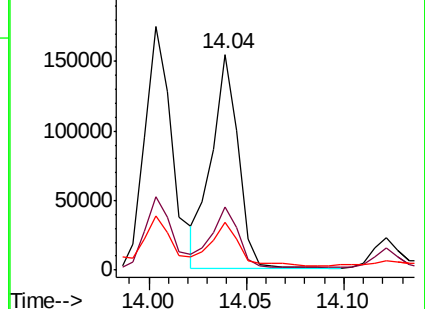
229 22.4 18.3 27.5

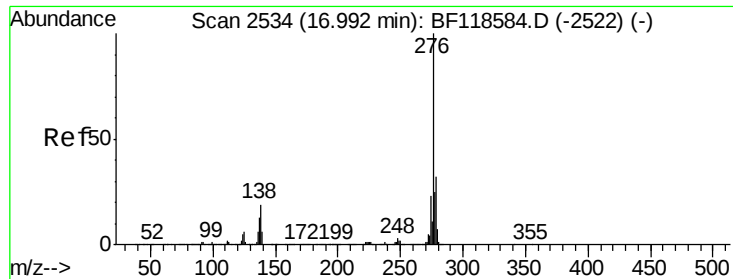


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.904 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.05 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

Instrument :

BNA_F

ClientSampleId :

JC-03-012320-B

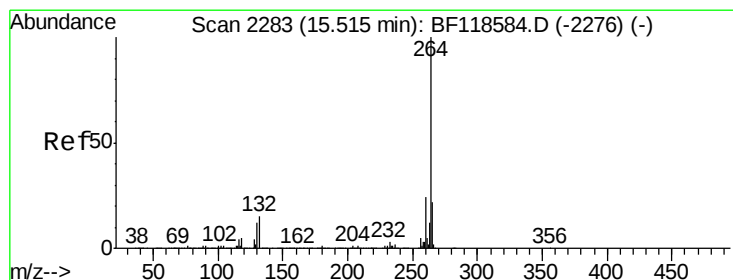
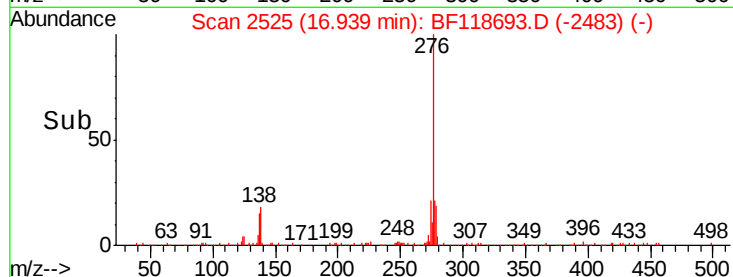
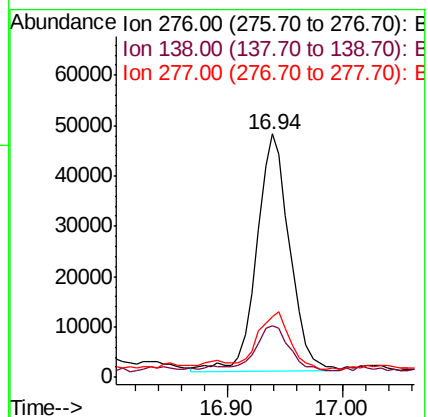
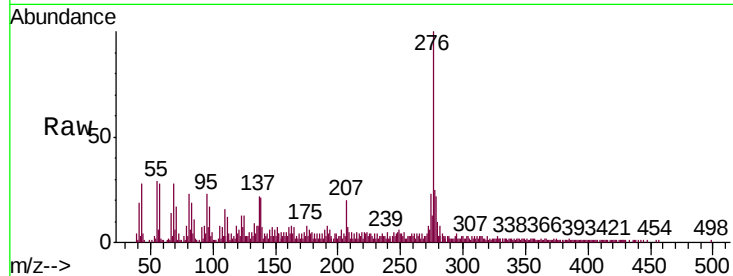
Tgt Ion:276 Resp: 93668

Ion Ratio Lower Upper

276 100

138 19.0 17.2 25.8

277 23.3 20.5 30.7



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.04 min

Lab File: BF118693.D

Acq: 24 Jan 2020 18:46

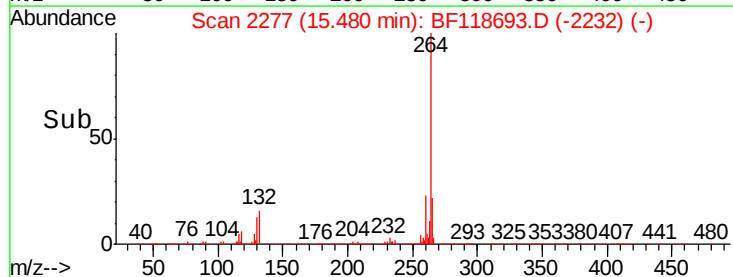
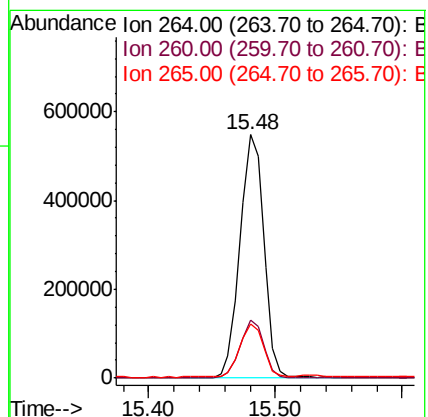
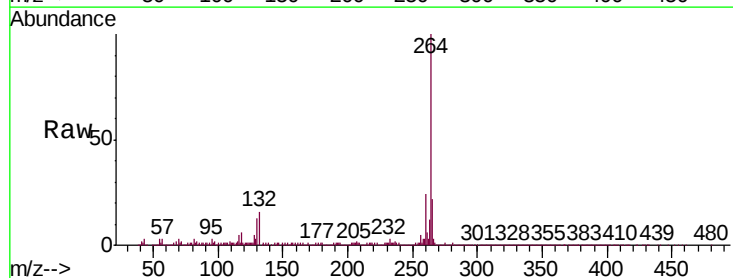
Tgt Ion:264 Resp: 711047

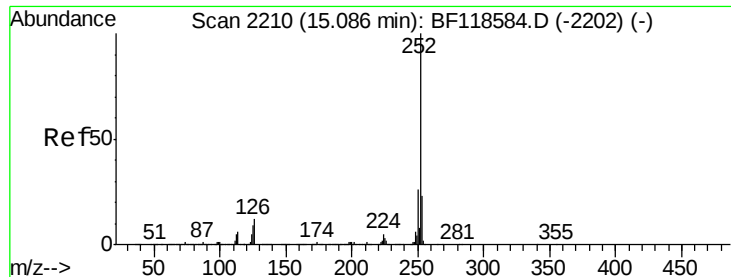
Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 22.4 17.7 26.5

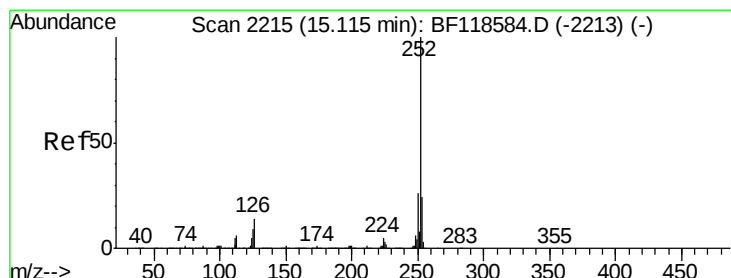
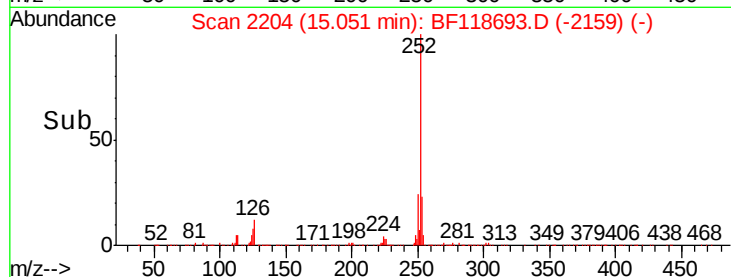
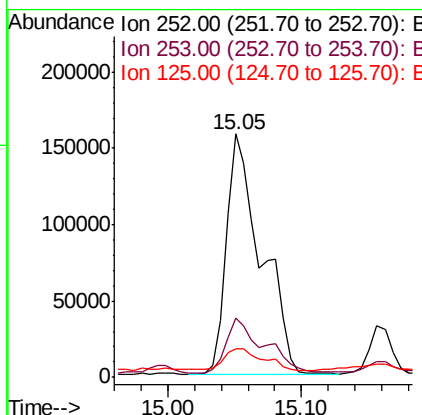
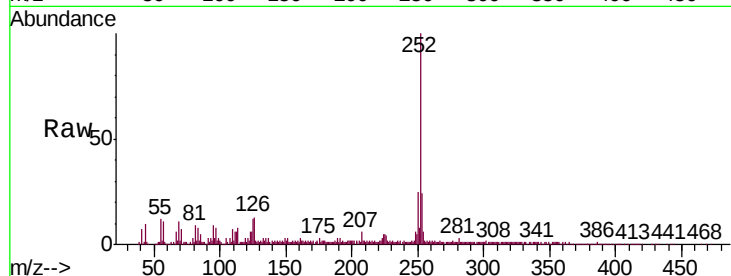




#88
Benzo(b)fluoranthene
Concen: 6.474 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

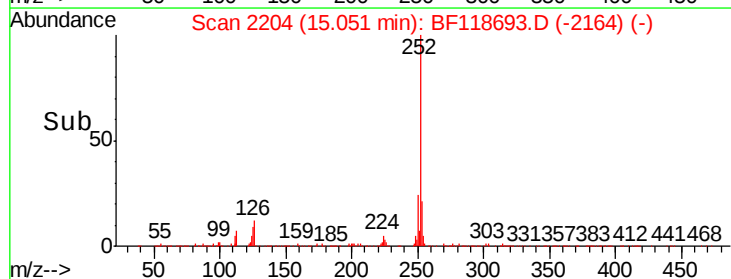
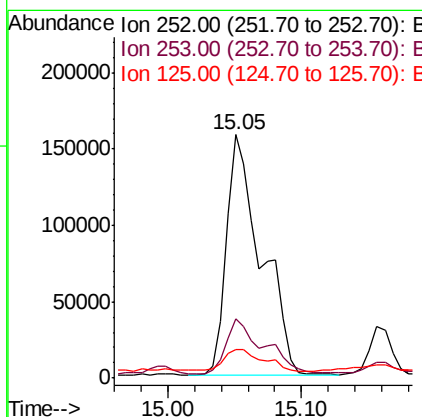
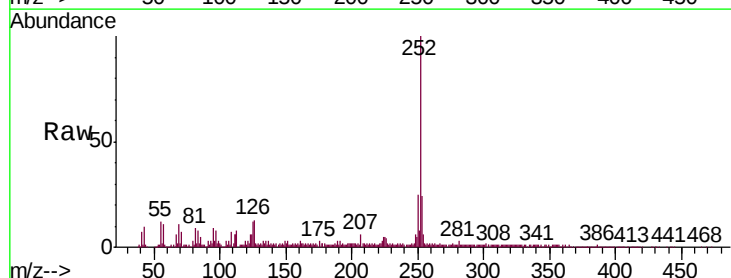
Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

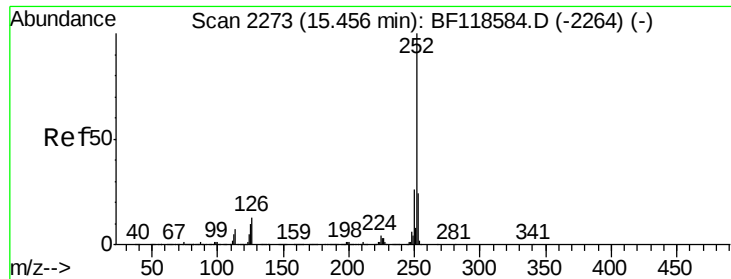
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.7	28.1
125	12.0	7.3	10.9



#89
Benzo(k)fluoranthene
Concen: 6.988 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.4
125	12.0	7.6	11.4

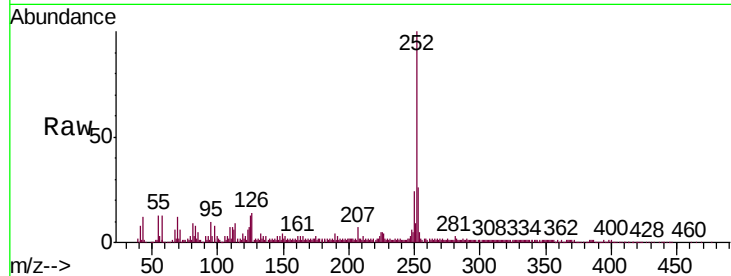




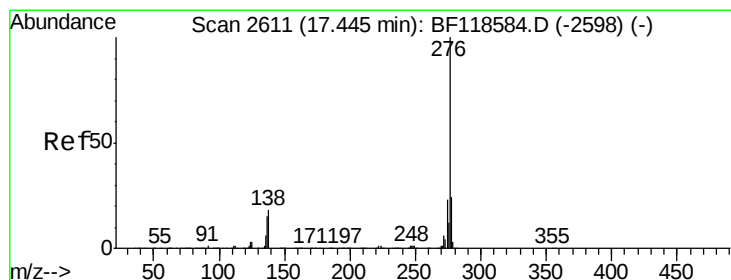
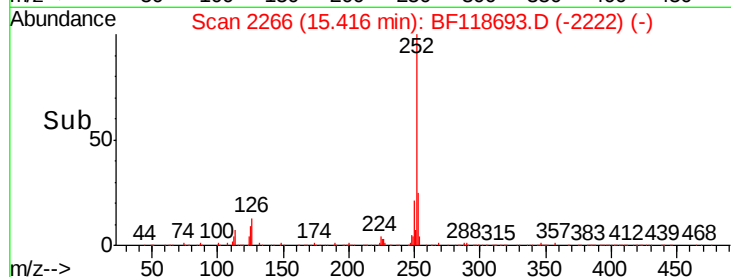
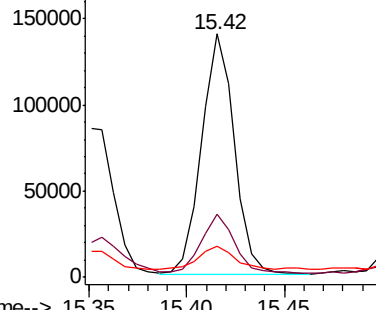
#90
Benzo(a)pyrene
Concen: 4.196 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Instrument :
BNA_F
ClientSampleId :
JC-03-012320-B

Tgt Ion: 252 Resp: 161795
Ion Ratio Lower Upper
252 100
253 25.9 18.8 28.2
125 13.0 7.8 11.6#

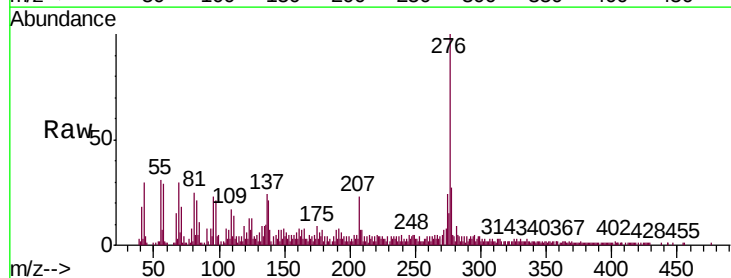


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.534 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.06 min
Lab File: BF118693.D
Acq: 24 Jan 2020 18:46

Tgt Ion: 276 Resp: 83919
Ion Ratio Lower Upper
276 100
277 26.6 18.9 28.3
138 20.5 14.4 21.6



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

