

Data File : BF118695.D
Acq On : 24 Jan 2020 19:42
Operator : CG/JU
Sample : L1007-19 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jan 27 01:04:16 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

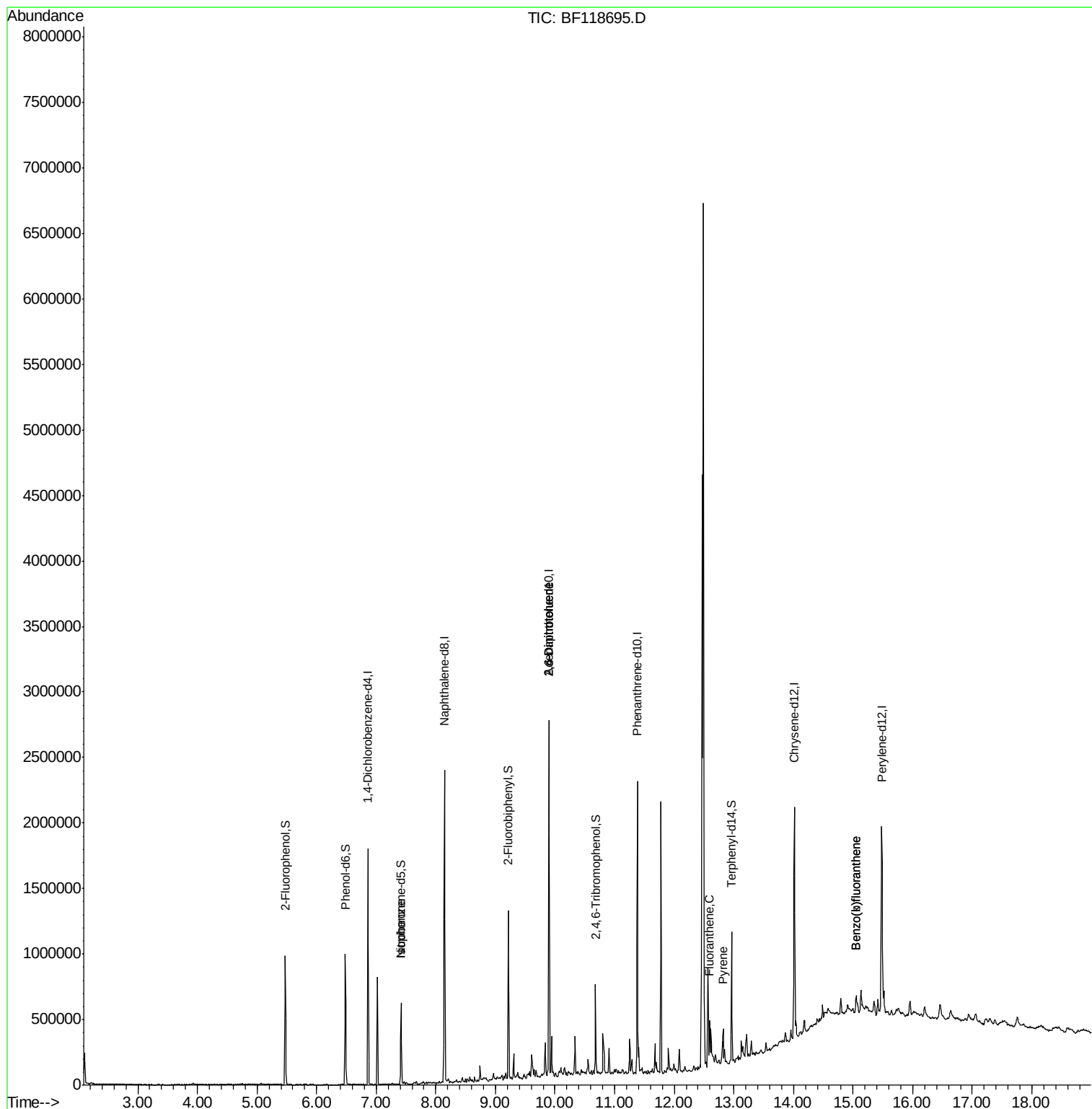
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	254195	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	942600	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	524241	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	817523	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	547721	20.00	ng	-0.03
87) Perylene-d12	15.48	264	686394	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	256905	18.77	ng	-0.02
7) Phenol-d6	6.48	99	301940	16.97	ng	-0.03
23) Nitrobenzene-d5	7.42	82	174290	10.34	ng	-0.03
42) 2,4,6-Tribromophenol	10.68	330	82329	13.58	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	387038	12.13	ng	-0.03
79) Terphenyl-d14	12.96	244	351786	14.01	ng	-0.03
Target Compounds						
25) Isophorone	7.42	82	172463	5.611	ng	# 64
51) 2,6-Dinitrotoluene	9.90	165	70593	9.230	ng	# 21
57) 2,4-Dinitrotoluene	9.90	165	70593	7.322	ng	# 25
75) Fluoranthene	12.59	202	114809	2.760	ng	92
78) Pyrene	12.82	202	105907	2.848	ng	91
88) Benzo(b)fluoranthene	15.05	252	105911	2.455	ng	# 93
89) Benzo(k)fluoranthene	15.05	252	105911	2.650	ng	# 94

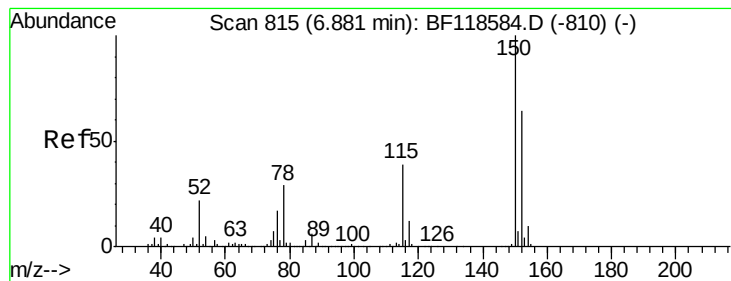
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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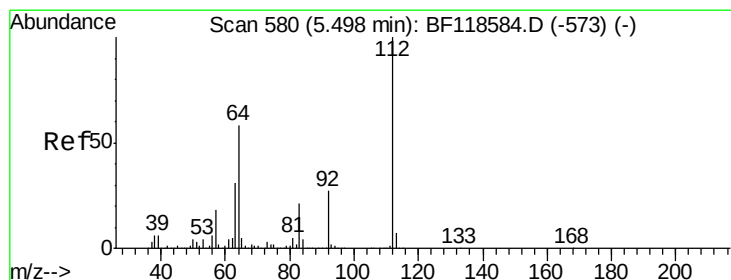
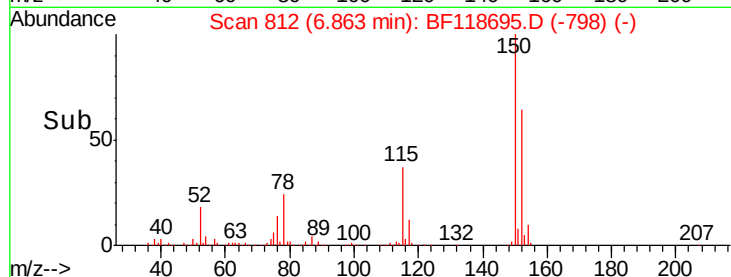
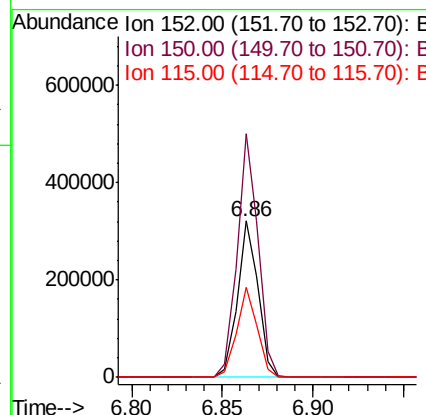
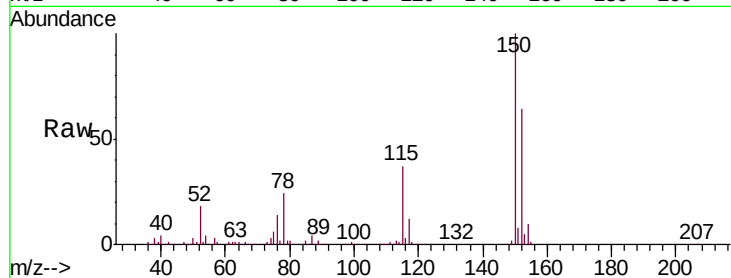


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

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

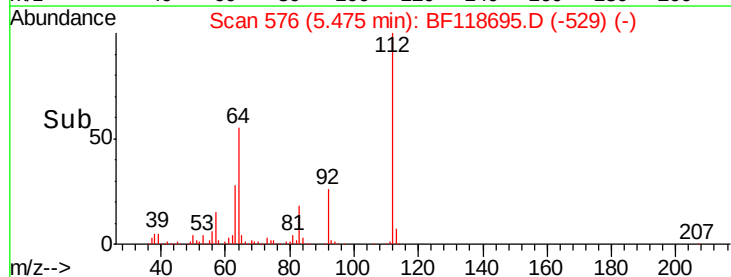
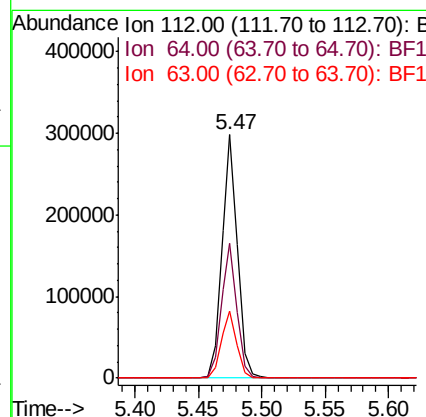
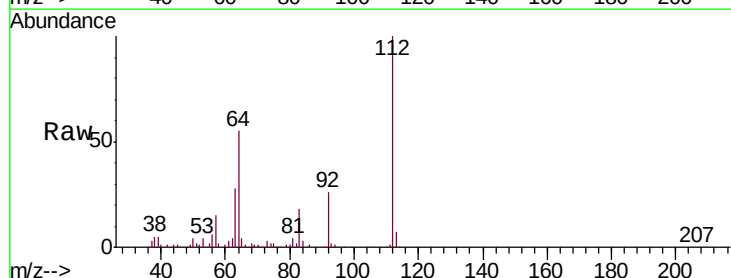
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.6	188.4
115	57.7	48.4	72.6

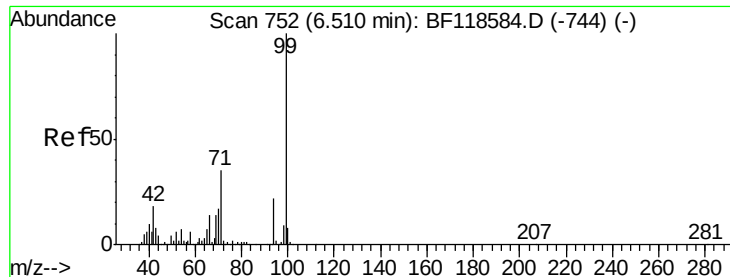


#5

2-Fluorophenol
 Concen: 18.771 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.6	70.0
63	27.6	25.1	37.7





#7

Phenol-d6

Concen: 16.973 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF118695.D

Acq: 24 Jan 2020 19:42

Instrument :

BNA_F

ClientSampleId :

JC-03-012320-C

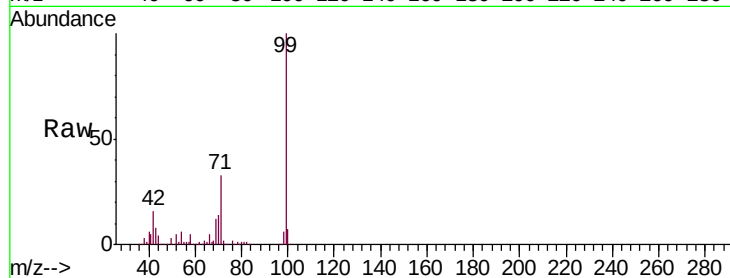
Tgt Ion: 99 Resp: 301940

Ion Ratio Lower Upper

99 100

42 16.1 14.2 21.2

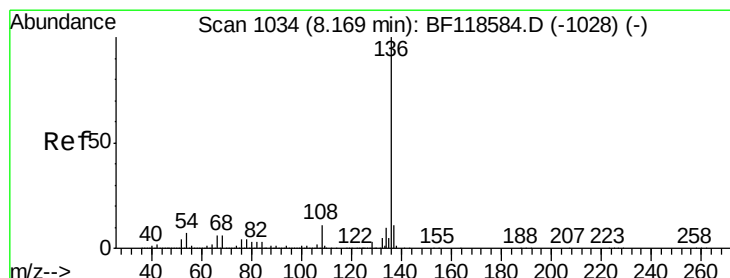
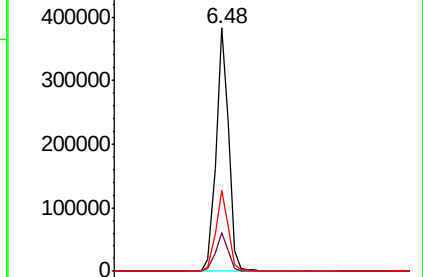
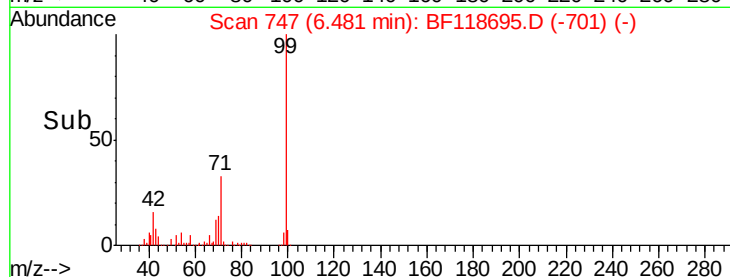
71 33.2 27.8 41.6



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: 8.15 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF118695.D

Acq: 24 Jan 2020 19:42

Tgt Ion: 136 Resp: 942600

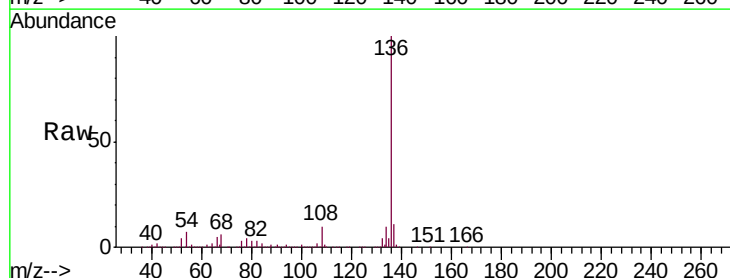
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.6 5.8 8.6

68 6.0 5.0 7.4

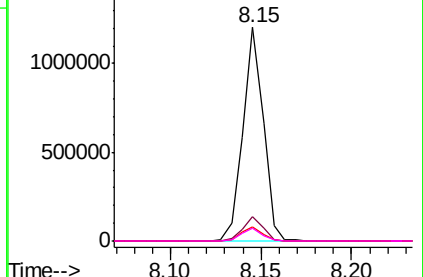
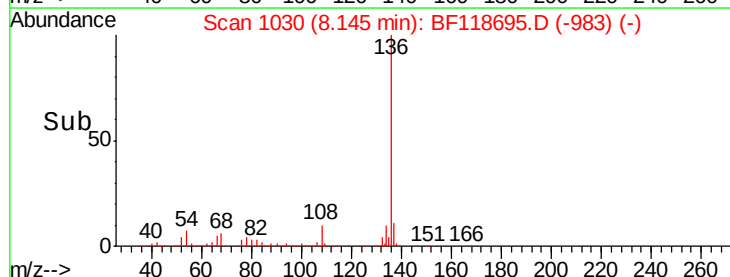


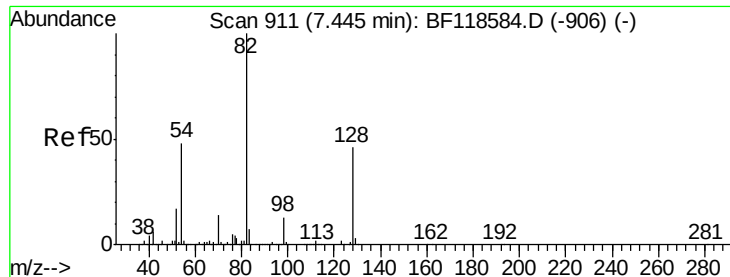
Abundance Ion 136.00 (135.70 to 136.70): E

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

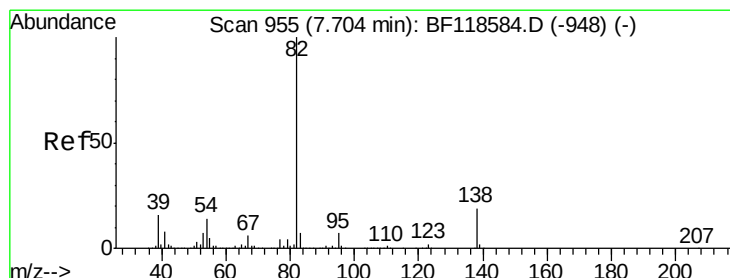
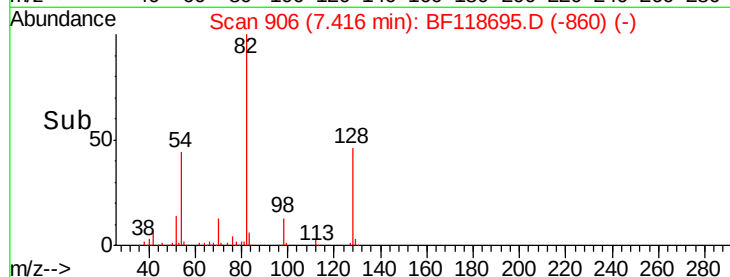
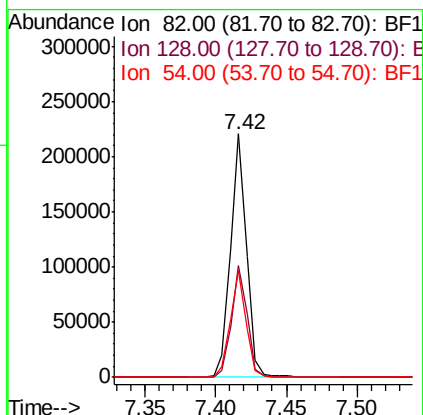
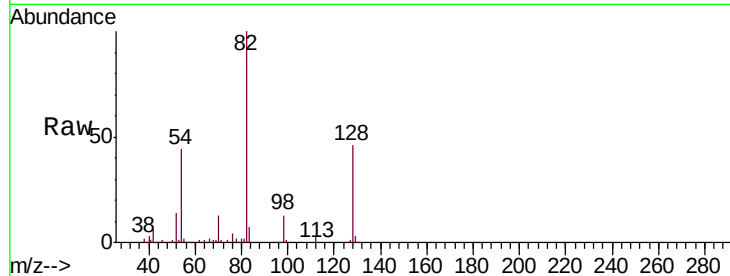




#23
 Nitrobenzene-d5
 Concen: 10.342 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

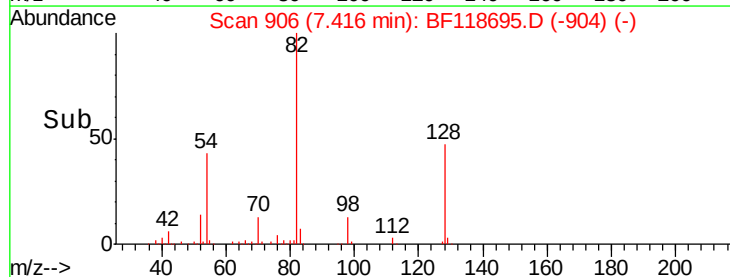
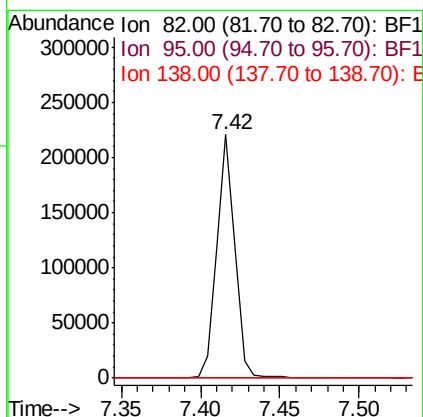
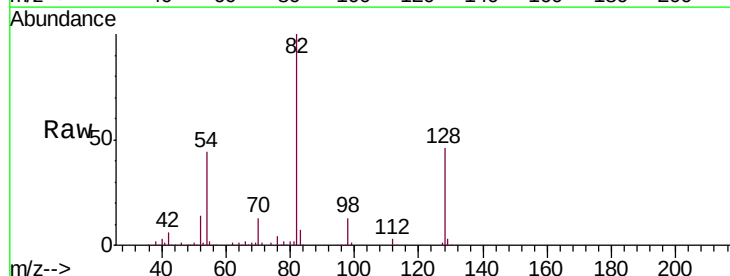
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-012320-C

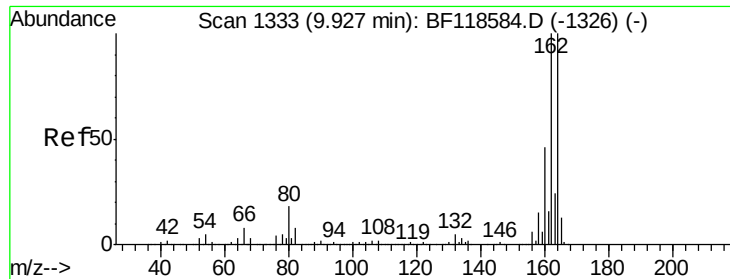
Tgt Ion:	82	Resp:	174290
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.6	54.8
54	43.8	38.0	57.0



#25
 Isophorone
 Concen: 5.611 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.29 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Tgt Ion:	82	Resp:	172463
Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.9	8.9#
138	0.0	15.3	22.9#

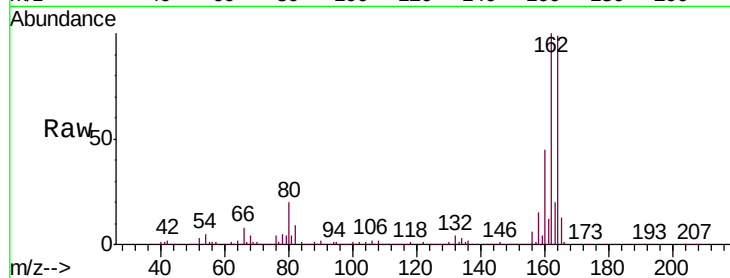




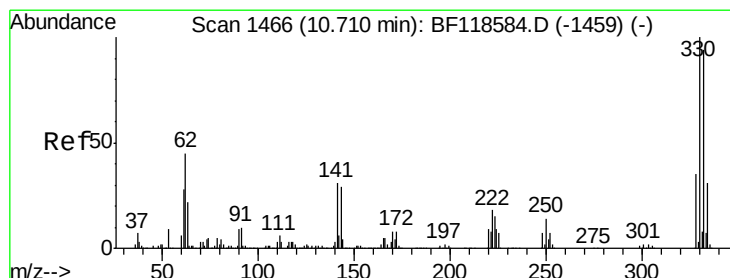
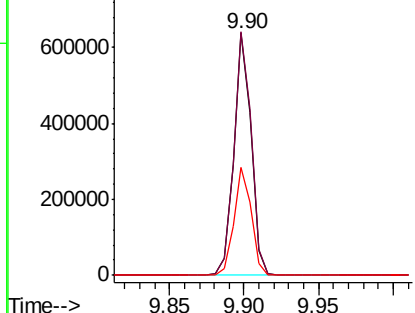
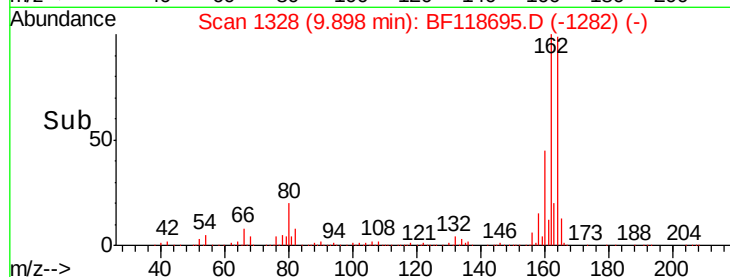
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.03 min
 Lab File: BF118695.D
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Instrument :
 BNA_F
 ClientSampleId :
 JC-03-012320-C

Tgt Ion:164 Resp: 524241
 Ion Ratio Lower Upper
 164 100
 162 100.6 80.4 120.6
 160 44.8 36.6 55.0

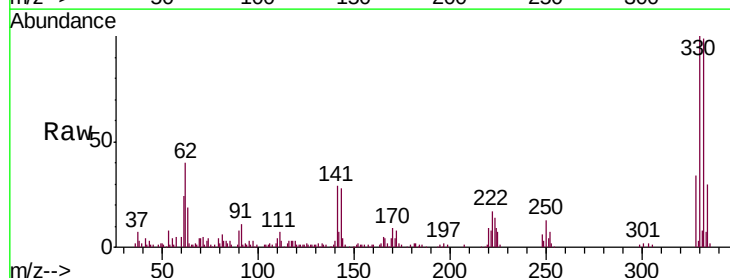


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

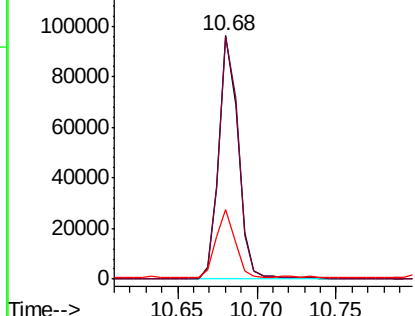
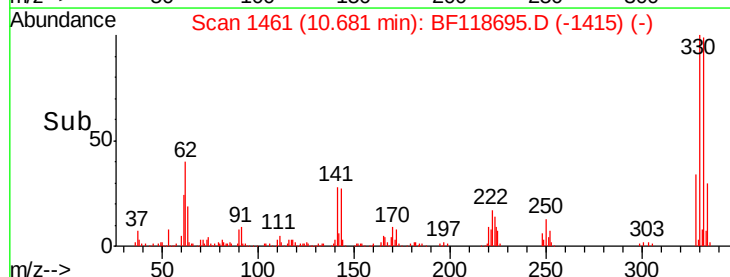


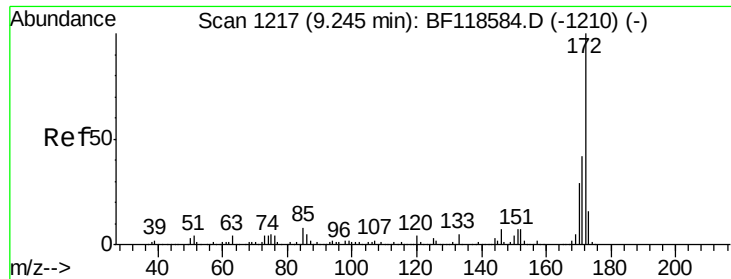
#42
 2,4,6-Tribromophenol
 Concen: 13.578 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Tgt Ion:330 Resp: 82329
 Ion Ratio Lower Upper
 330 100
 332 99.8 76.2 114.4
 141 27.3 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

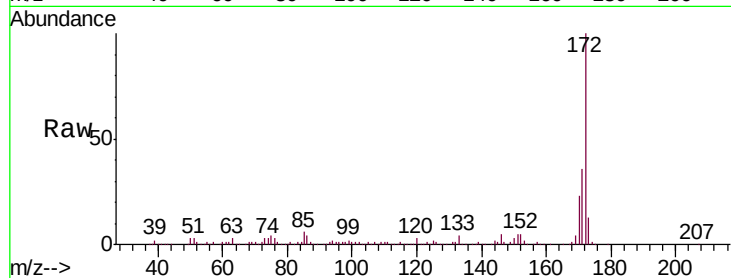




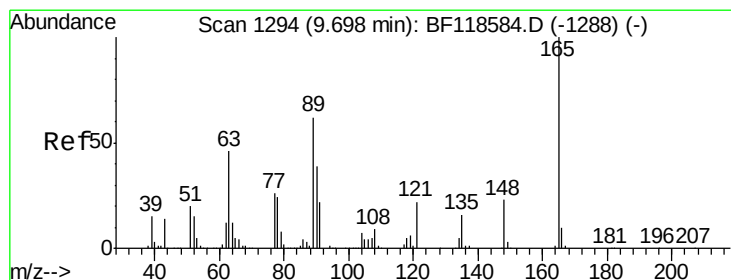
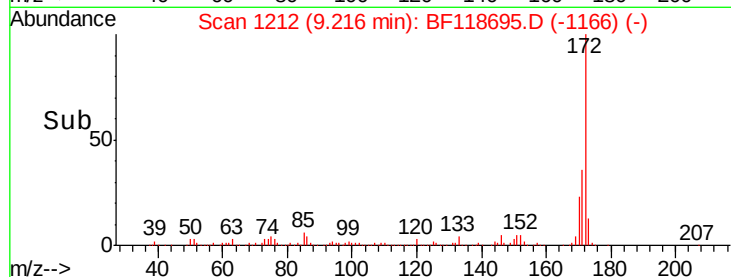
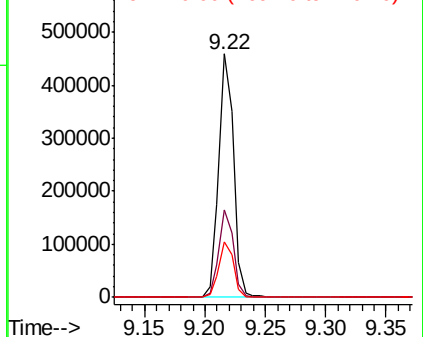
#45
 2-Fluorobiphenyl
 Concen: 12.135 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Instrument :
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 JC-03-012320-C

Tgt Ion:172 Resp: 387038
 Ion Ratio Lower Upper
 172 100
 171 35.9 33.4 50.2
 170 22.9 23.2 34.8#

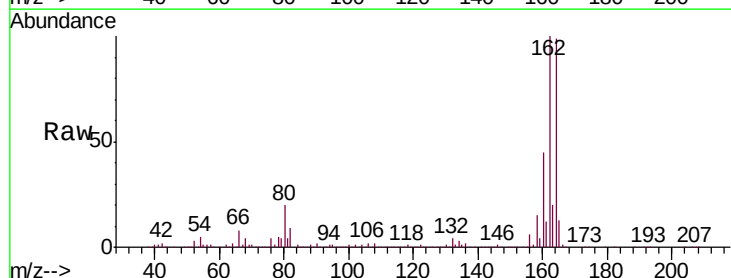


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

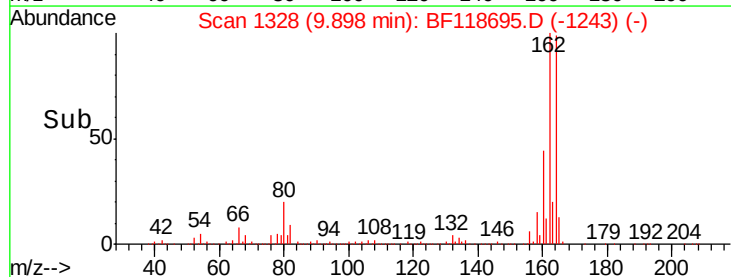
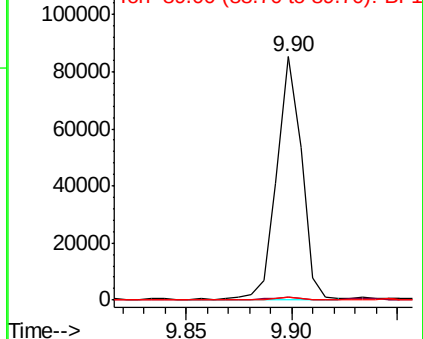


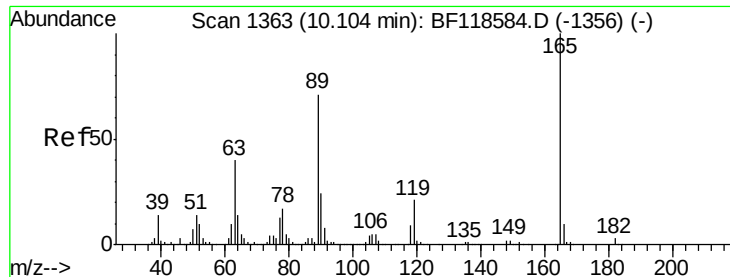
#51
 2,6-Dinitrotoluene
 Concen: 9.230 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.20 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Tgt Ion:165 Resp: 70593
 Ion Ratio Lower Upper
 165 100
 63 1.1 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

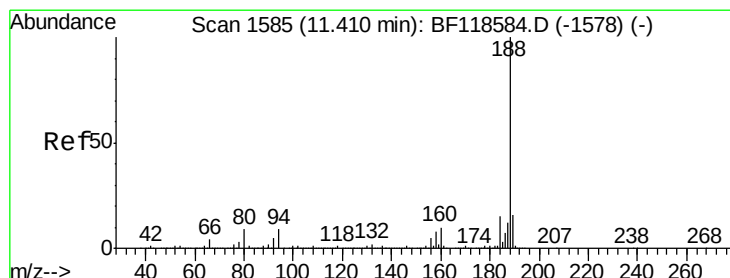
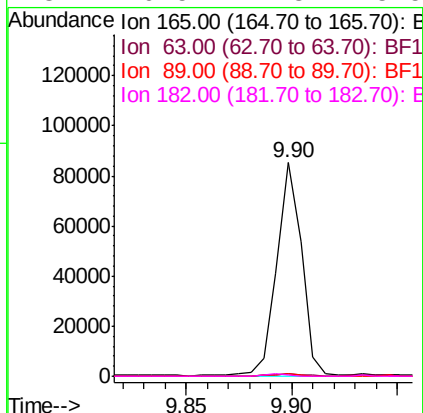
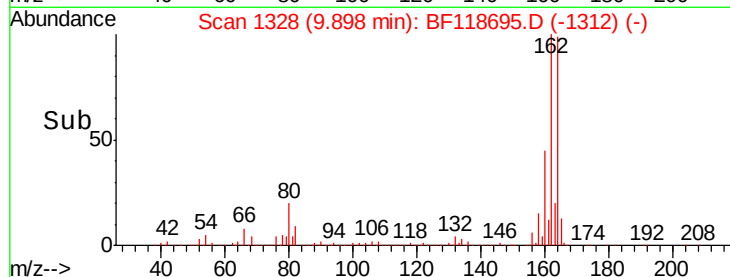
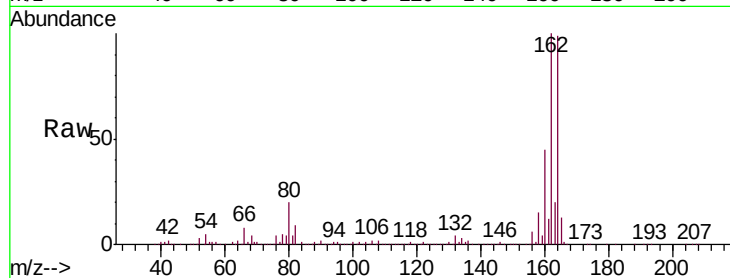




#57
 2,4-Dinitrotoluene
 Concen: 7.322 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.21 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

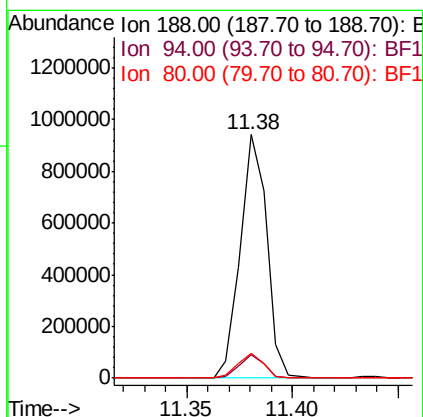
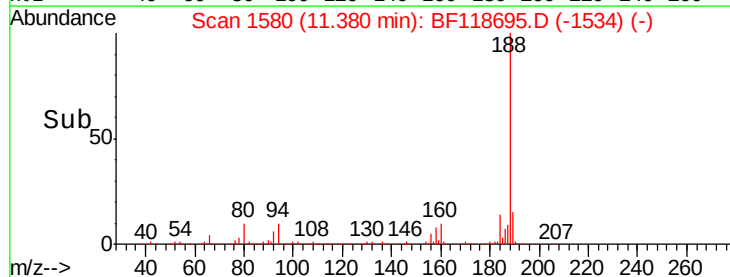
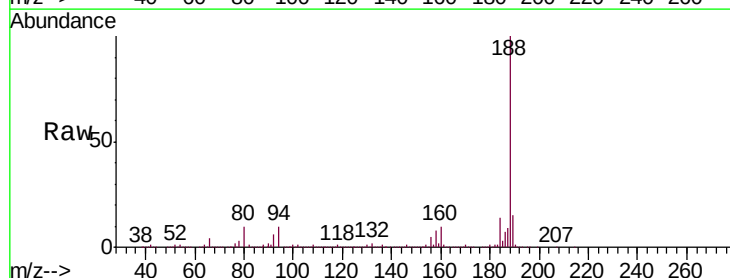
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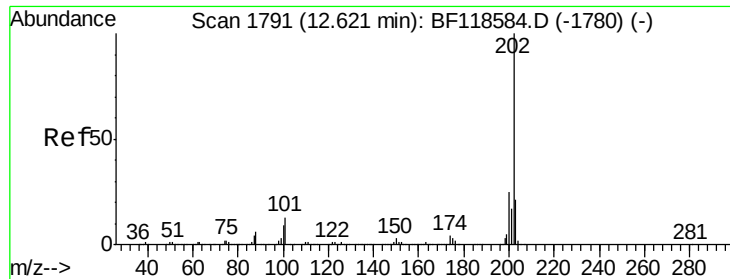
Tgt Ion:	165	Resp:	70593
Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.4	48.6#
89	1.3	56.4	84.6#
182	0.5	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.03 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Tgt Ion:	188	Resp:	817523
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.1	10.7
80	10.3	7.5	11.3





#75

Fluoranthene

Concen: 2.760 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118695.D

Acq: 24 Jan 2020 19:42

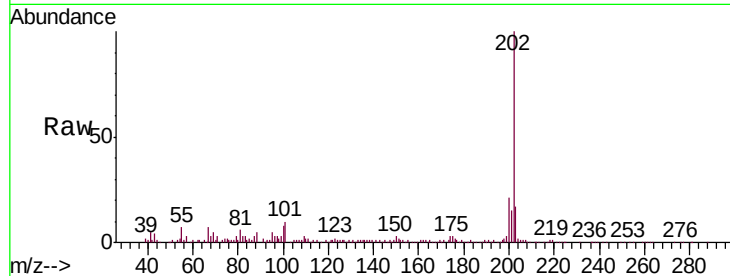
Instrument :

BNA_F

ClientSampleId :

JC-03-012320-C

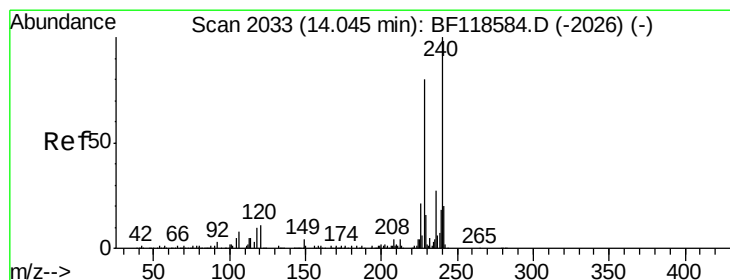
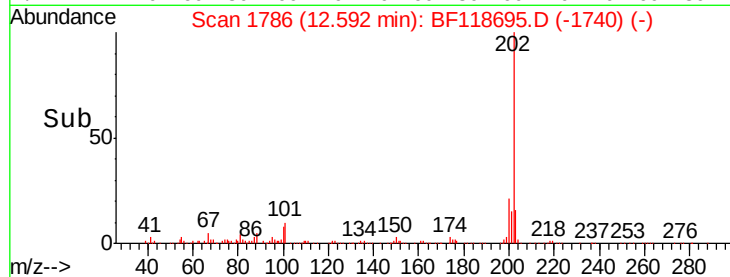
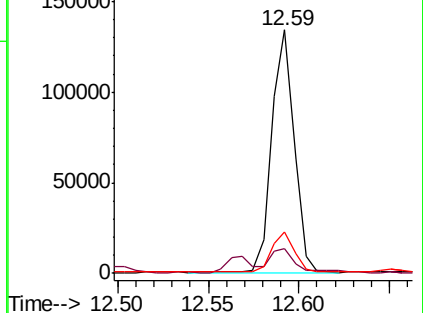
Tgt Ion:	202	Resp:	114809
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.5
203	16.8	0.8	40.8



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

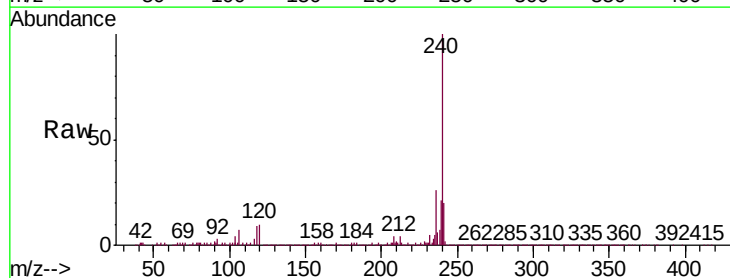
RT: 14.02 min Scan# 2028

Delta R.T. -0.03 min

Lab File: BF118695.D

Acq: 24 Jan 2020 19:42

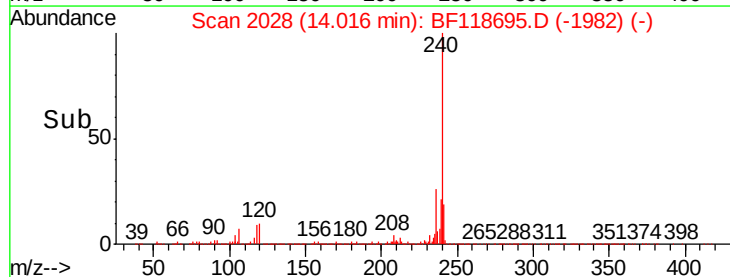
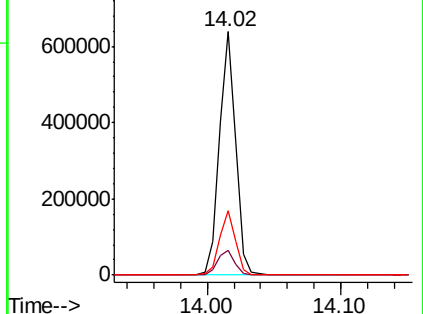
Tgt Ion:	240	Resp:	547721
Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.9	13.3
236	26.3	21.5	32.3

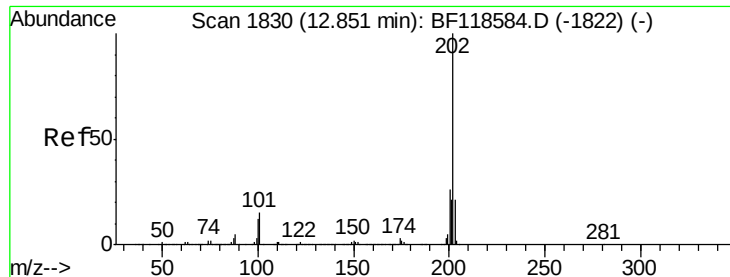


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

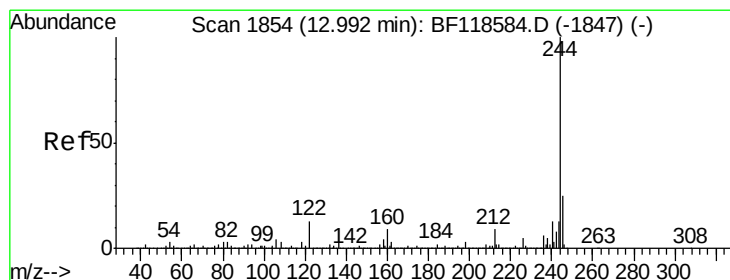
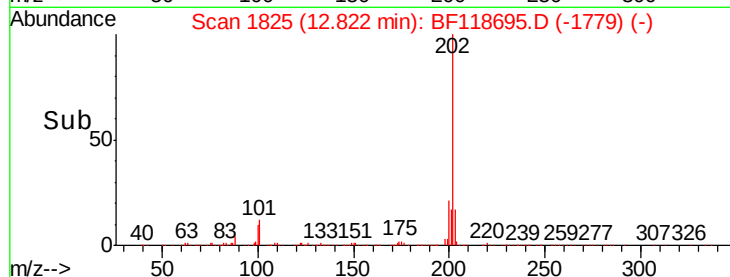
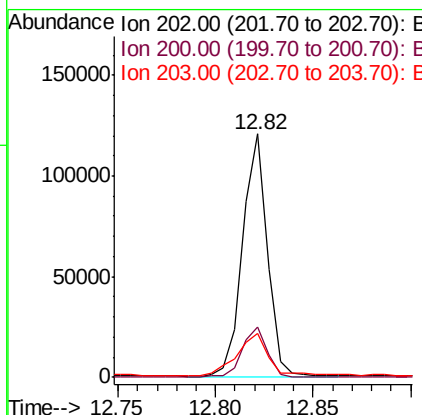
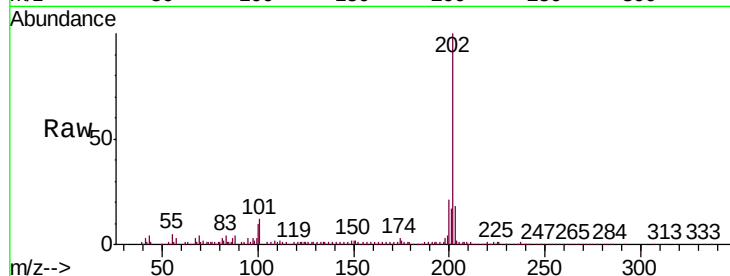




#78
 Pyrene
 Concen: 2.848 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

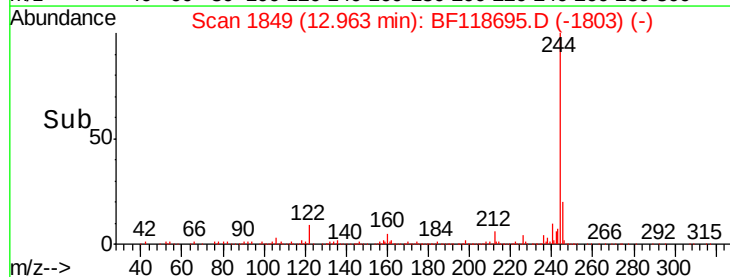
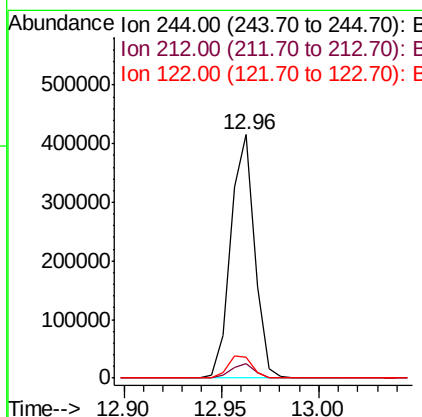
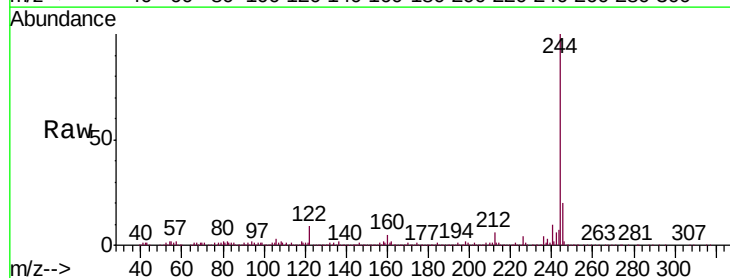
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-012320-C

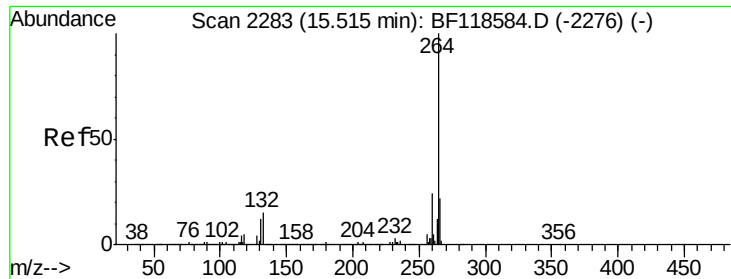
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	20.6	31.0
203	17.8	16.8	25.2



#79
 Terphenyl-d14
 Concen: 14.009 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.03 min
 Lab File: BF118695.D
 Acq: 24 Jan 2020 19:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	7.0	10.4#
122	8.8	10.7	16.1#

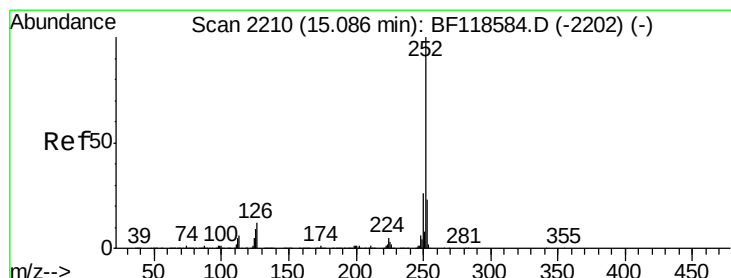
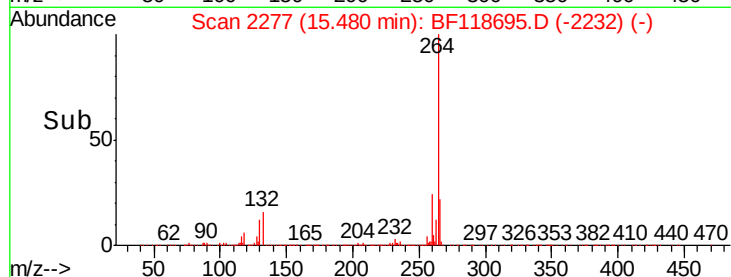
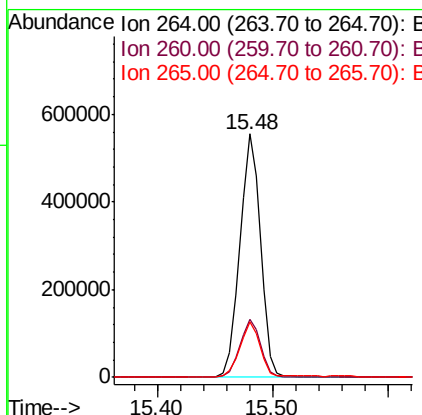
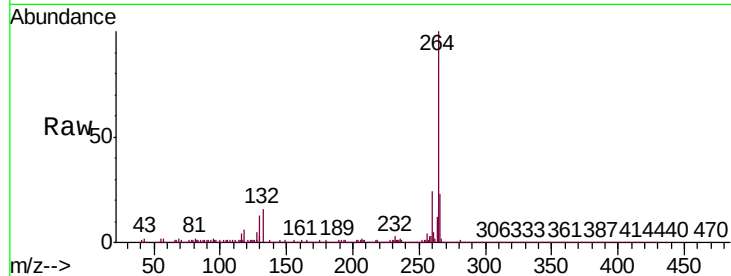




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.04 min
Lab File: BF118695.D
Acq: 24 Jan 2020 19:42

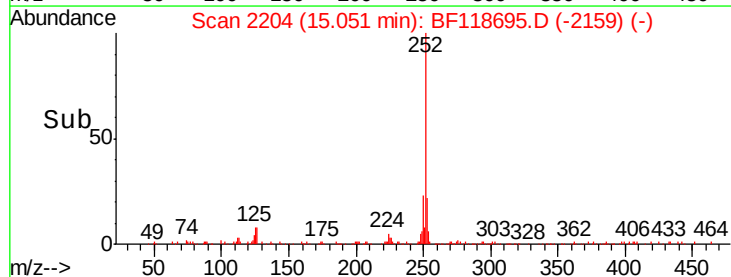
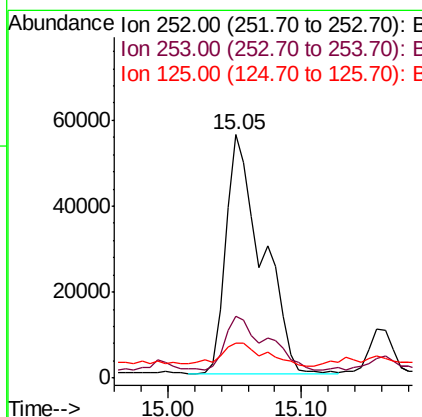
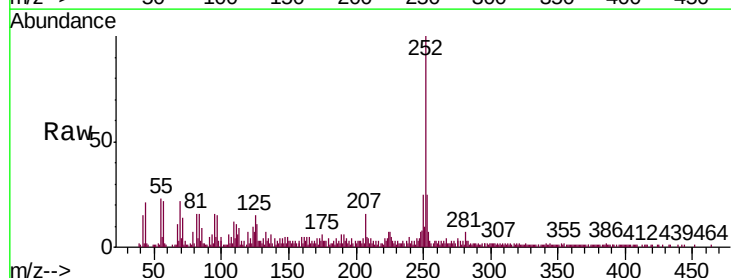
Instrument :
BNA_F
ClientSampleId :
JC-03-012320-C

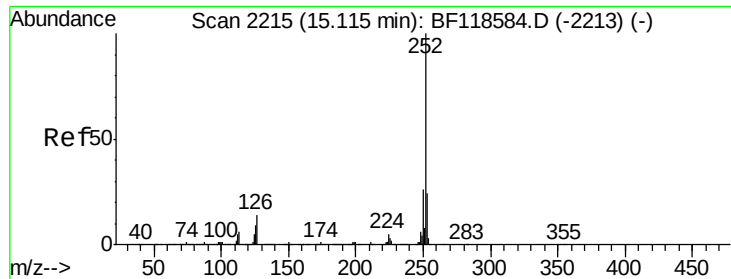
Tgt Ion: 264 Resp: 686394
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 22.5 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 2.455 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118695.D
Acq: 24 Jan 2020 19:42

Tgt Ion: 252 Resp: 105911
Ion Ratio Lower Upper
252 100
253 25.4 18.7 28.1
125 14.5 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 2.650 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.06 min

Lab File: BF118695.D

Acq: 24 Jan 2020 19:42

Instrument :

BNA_F

ClientSampleId :

JC-03-012320-C

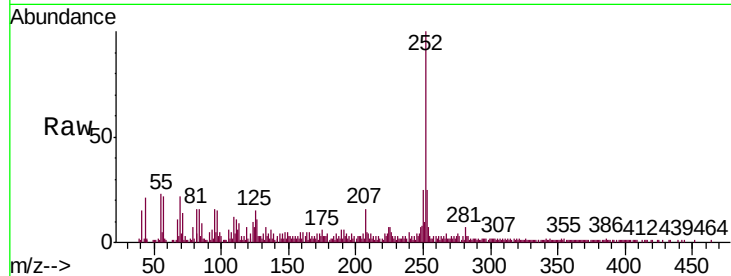
Tgt Ion: 252 Resp: 105911

Ion Ratio Lower Upper

252 100

253 25.4 19.0 28.4

125 14.5 7.6 11.4#



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

