

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116809.D
 Acq On : 4 Sep 2019 12:24
 Operator : HP/JU
 Sample : K4643-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:04:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51609	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	207230	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	106376	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	179648	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	148255	20.00	ng	0.00
87) Perylene-d12	15.44	264	138782	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	217650	68.32	ng	0.00
7) Phenol-d6	6.47	99	296118	70.79	ng	-0.01
23) Nitrobenzene-d5	7.40	82	171490	47.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	59483	83.64	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	277383	43.99	ng	-0.01
79) Terphenyl-d14	12.94	244	303715	37.90	ng	-0.01

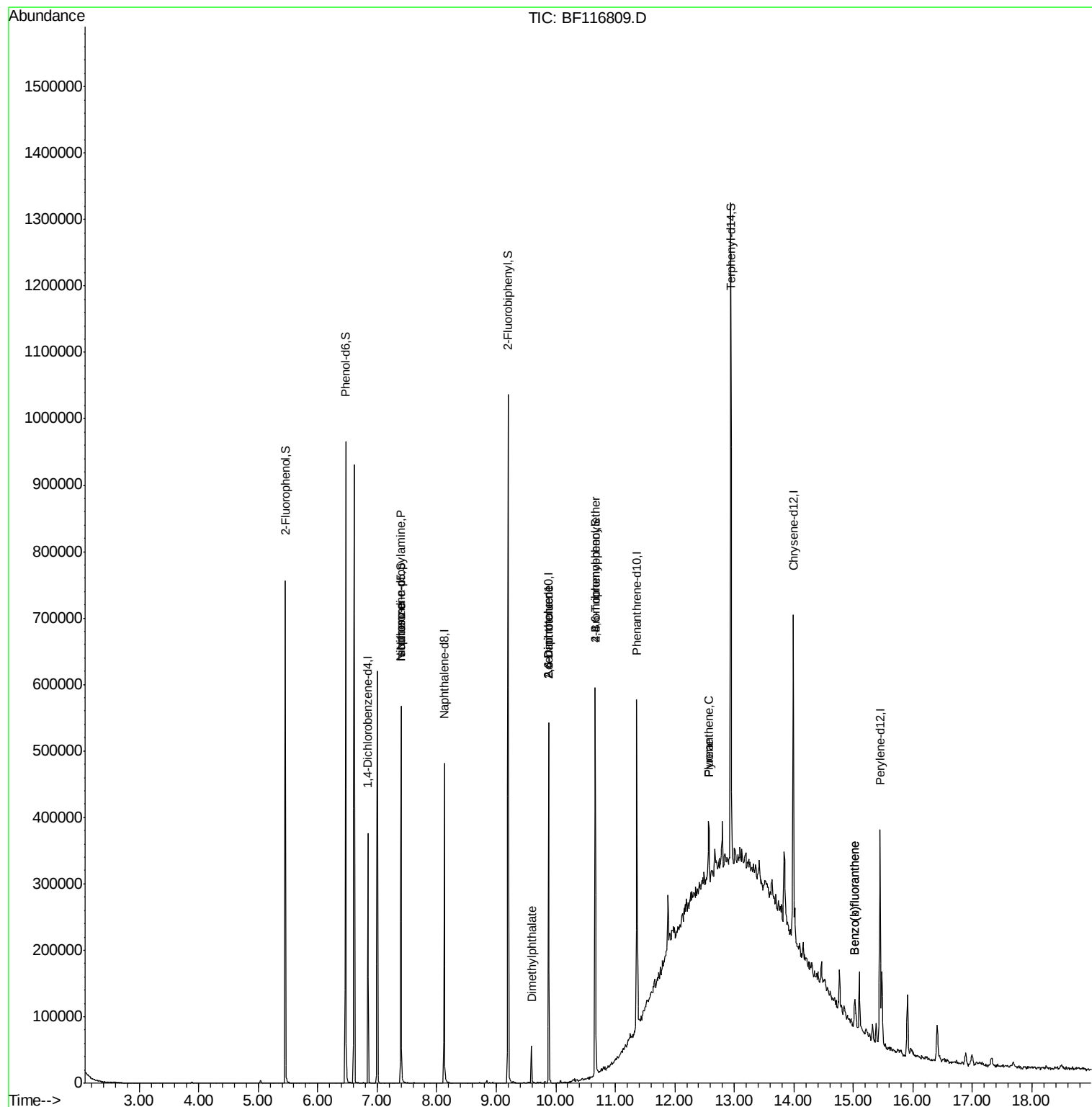
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	22942	8.330	ng	# 71
25) Isophorone	7.40	82	171510	23.317	ng	# 66
50) Dimethylphthalate	9.59	163	26395	3.594	ng	97
51) 2,6-Dinitrotoluene	9.88	165	13926	9.939	ng	# 19
57) 2,4-Dinitrotoluene	9.88	165	13926	8.128	ng	# 19
67) 4-Bromophenyl-phenylether	10.66	248	3911	2.143	ng	# 1
75) Fluoranthene	12.57	202	32532	3.310	ng	94
78) Pyrene	12.57	202	32532	2.468	ng	95
88) Benzo(b)fluoranthene	15.02	252	29101	3.468	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	29101	3.804	ng	# 94

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

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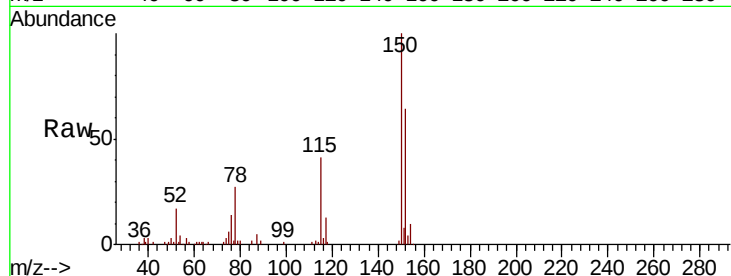


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.4	186.6
115	63.8	49.9	74.9

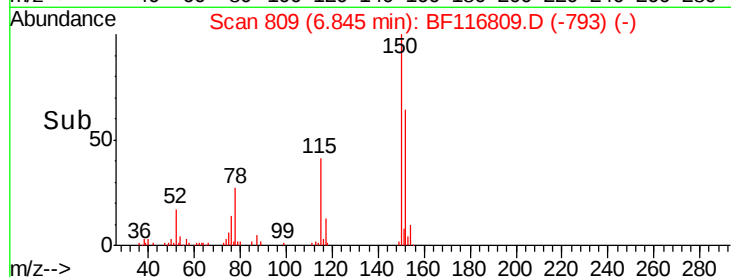
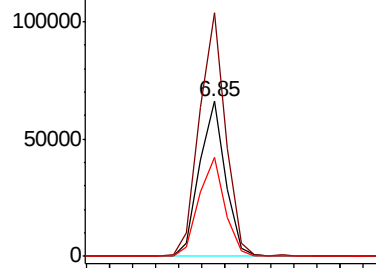


Abundance

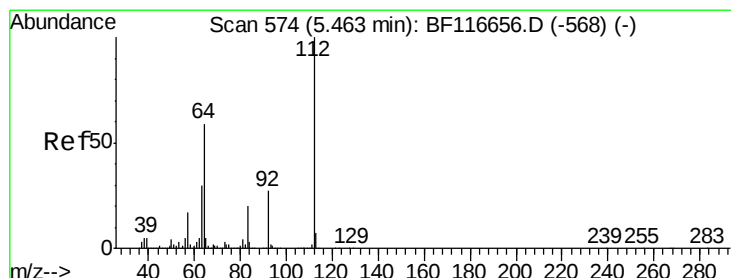
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



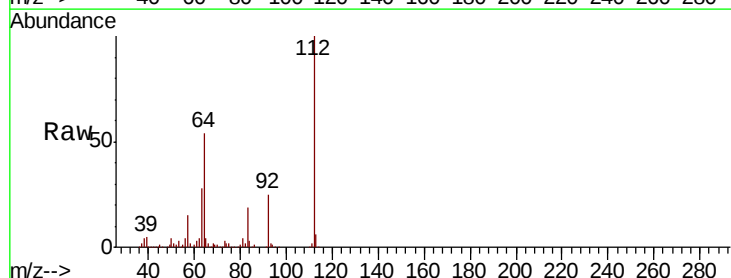
Time-->



#5

2-Fluorophenol
Concen: 68.322 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.1	70.7
63	28.4	24.9	37.3

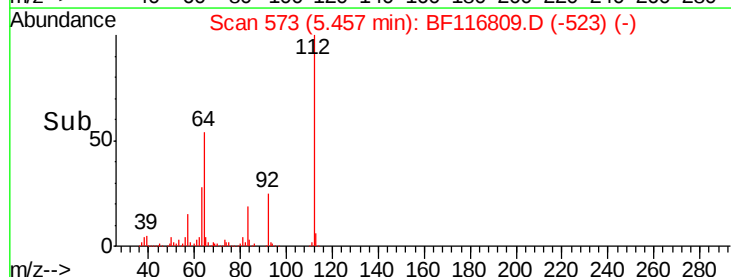
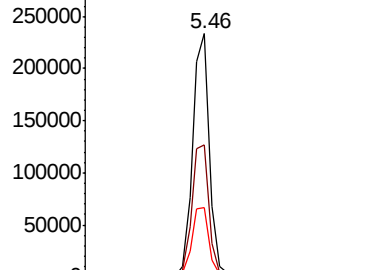


Abundance

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



Time-->



#7

Phenol-d6

Concen: 70.789 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

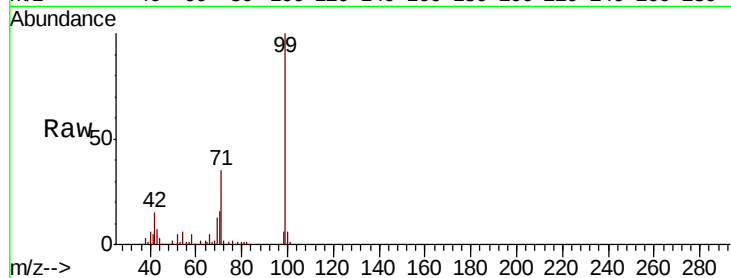
Tot Ion: 99 Resp: 296118

Ion Ratio Lower Upper

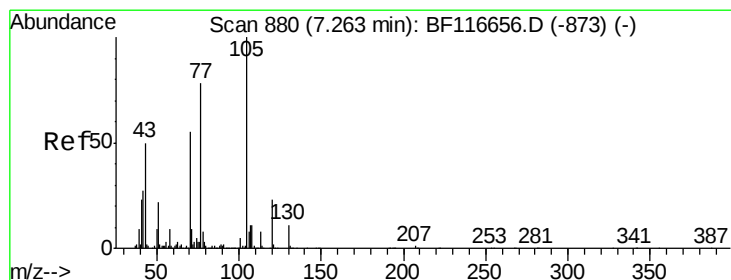
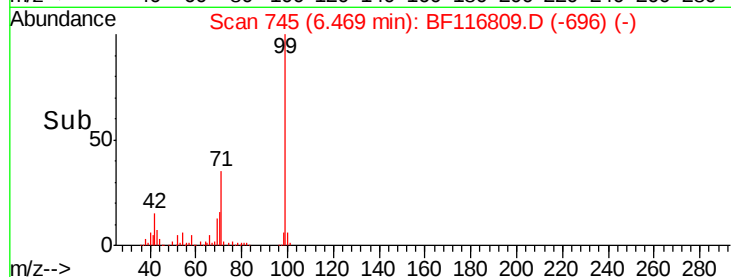
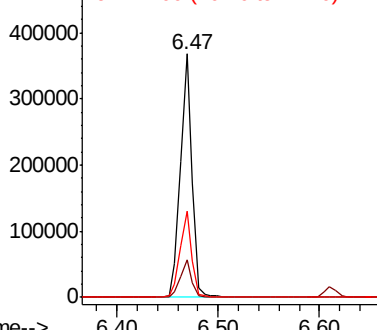
99 100

42 15.3 13.7 20.5

71 35.4 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.330 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

Tgt Ion: 70 Resp: 22942

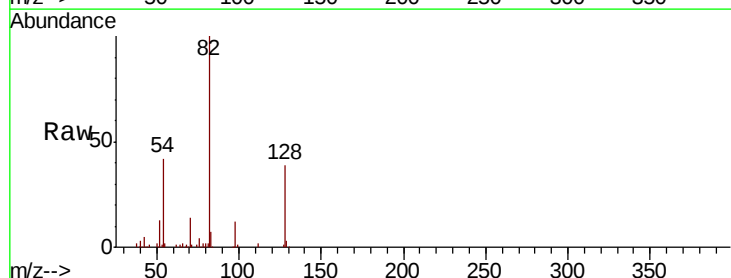
Ion Ratio Lower Upper

70 100

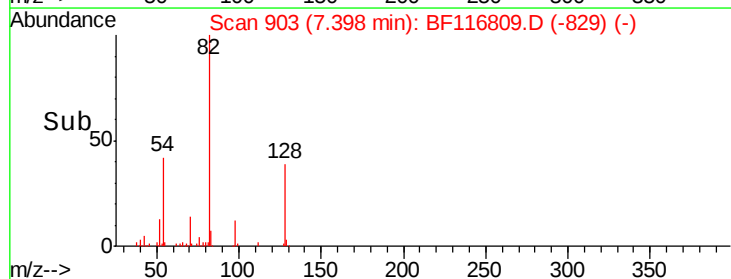
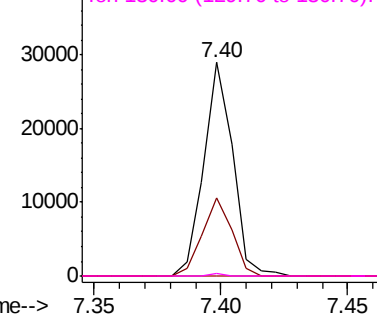
42 36.5 43.5 65.3#

101 0.0 7.8 11.6#

130 1.3 16.6 24.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

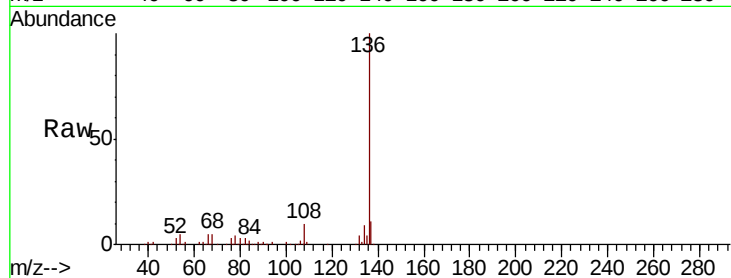




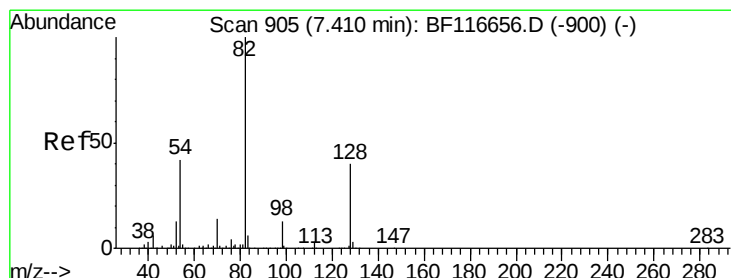
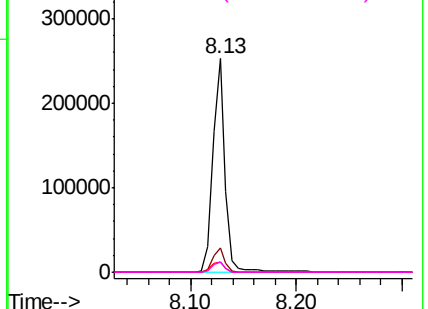
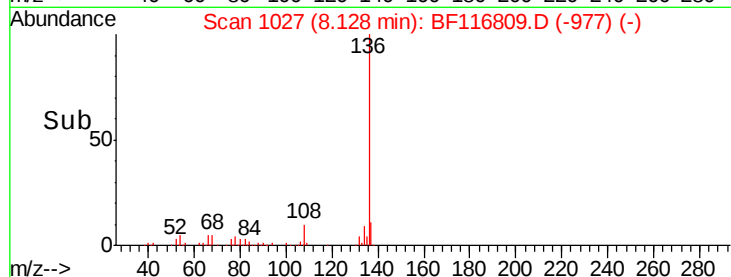
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	207230
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.9	13.3
54 5.0	4.8	7.2
68 4.7	4.0	6.0

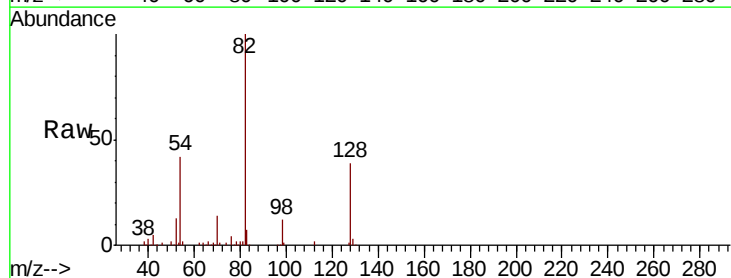


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

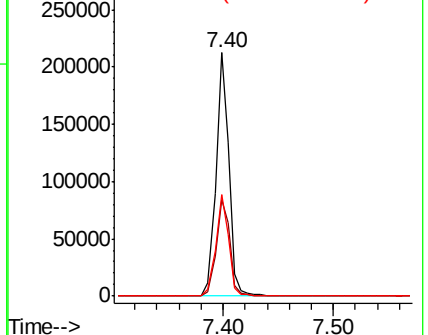
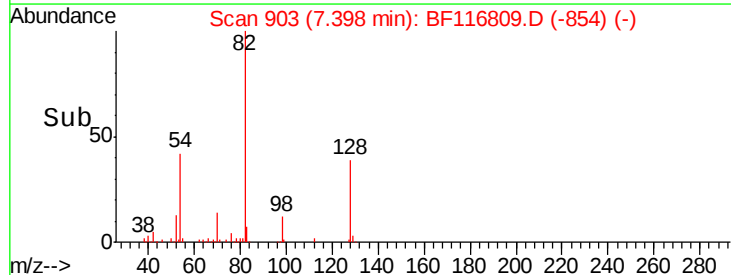


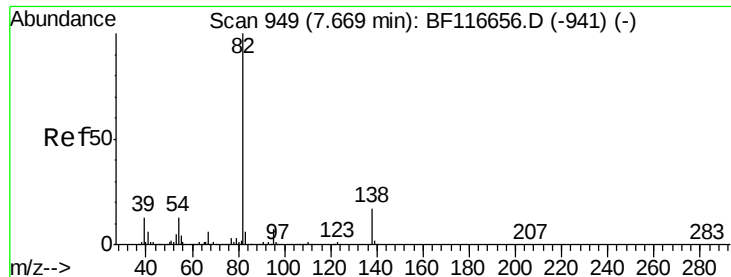
#23
Nitrobenzene-d5
Concen: 47.242 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Tgt Ion: 82	Resp: 171490
Ion Ratio	Lower Upper
82 100	
128 39.5	32.8 49.2
54 41.9	36.9 55.3



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: 23.317 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

Instrument :

BNA_F

ClientSampled :

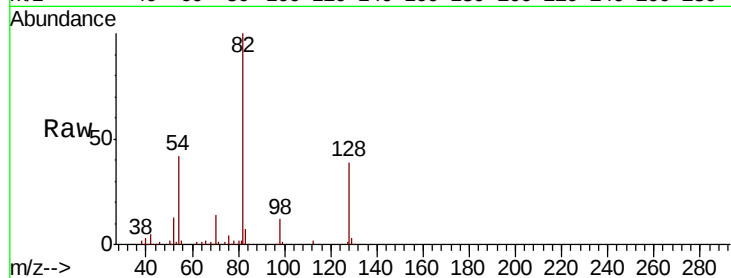
Tot Ion: 82 Resp: 171510

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

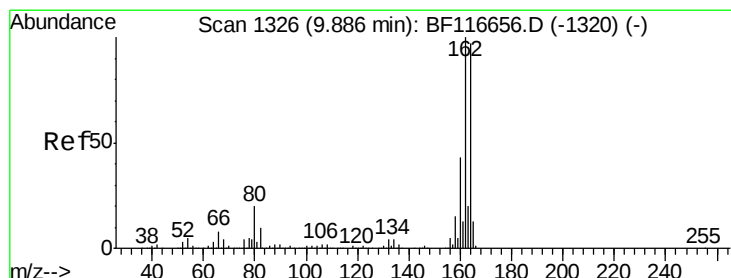
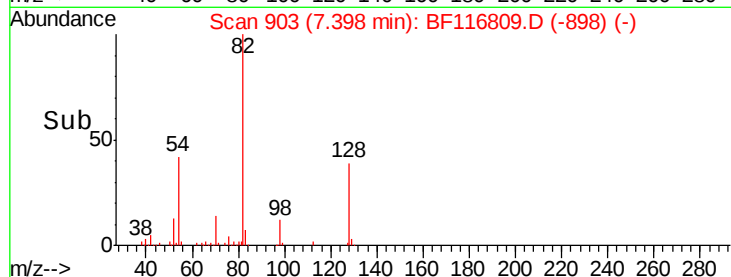
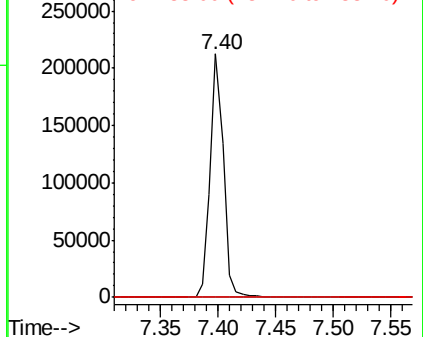
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

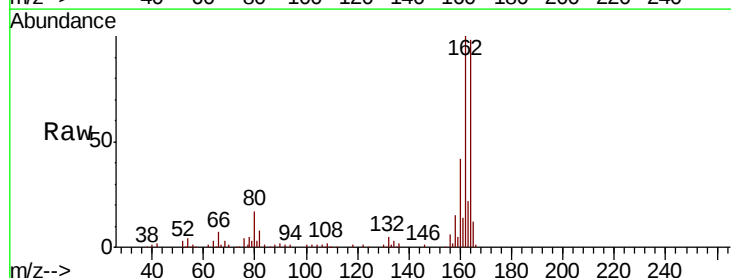
Tgt Ion:164 Resp: 106376

Ion Ratio Lower Upper

164 100

162 101.9 81.4 122.0

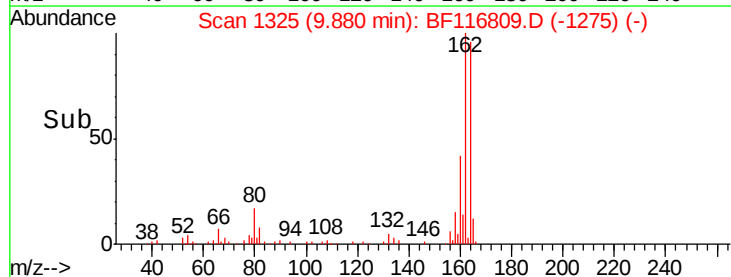
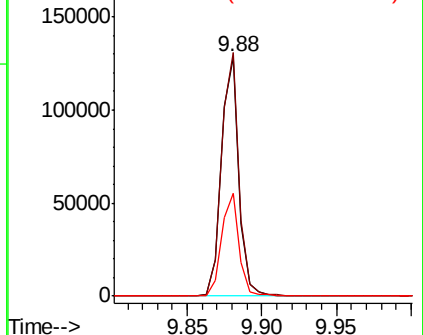
160 42.9 35.4 53.2

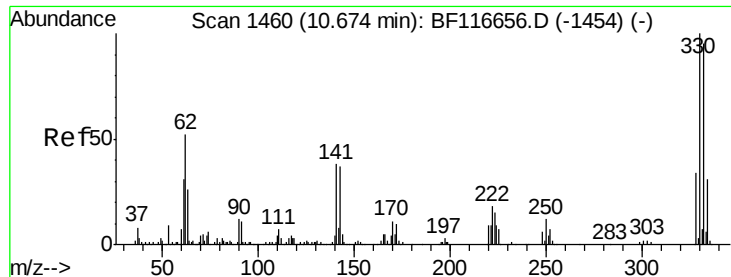


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 83.644 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

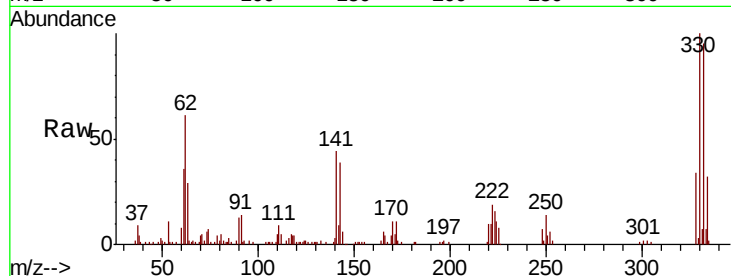
Tot Ion:330 Resp: 59483

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

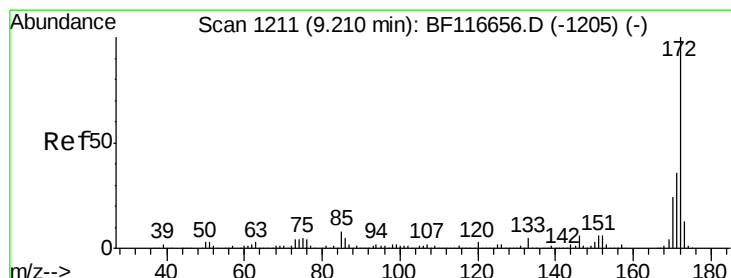
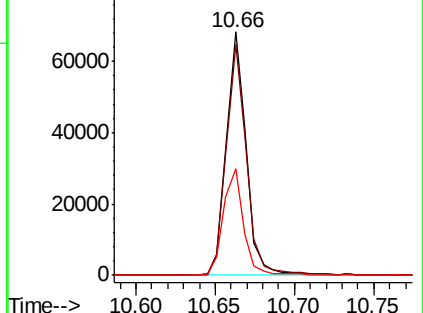
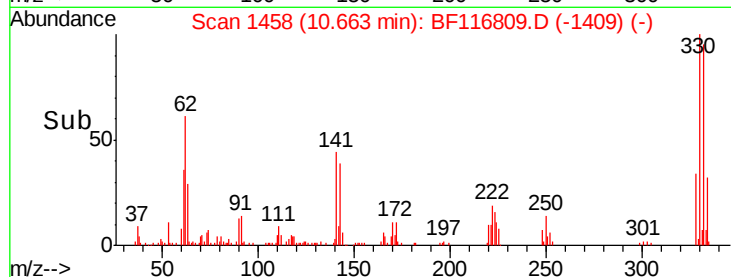
141 44.5 31.4 47.2



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: 43.987 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

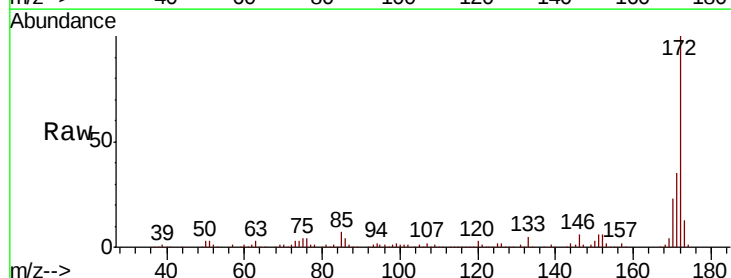
Tgt Ion:172 Resp: 277383

Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

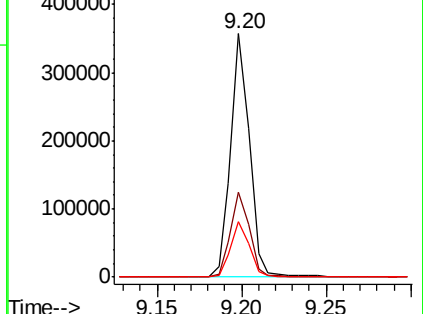
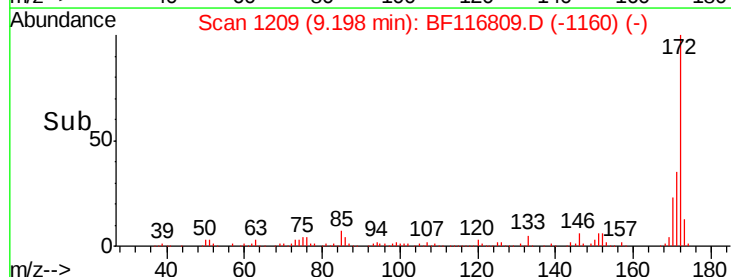
170 22.9 18.9 28.3

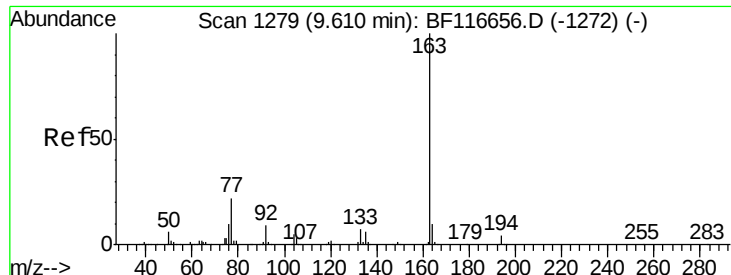


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

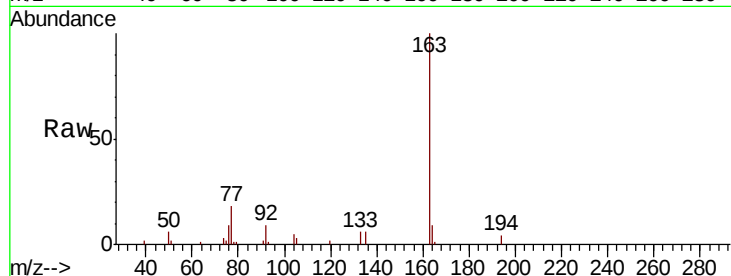




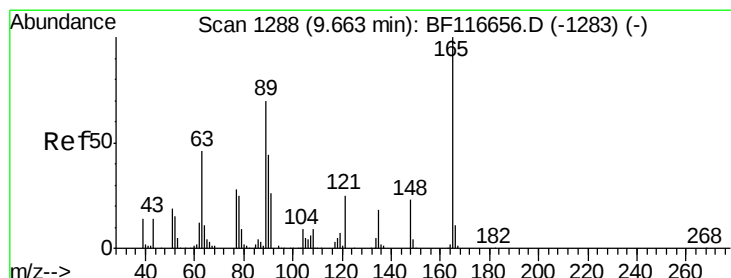
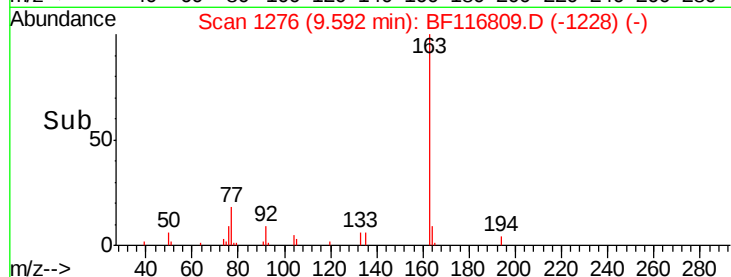
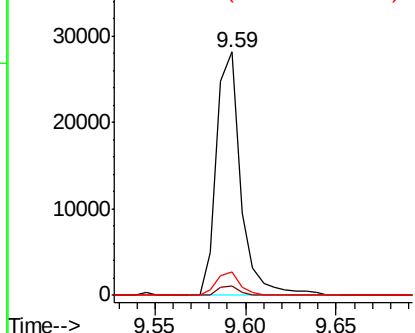
#50
Dimethylphthalate
Concen: 3.594 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.5	8.6	12.8

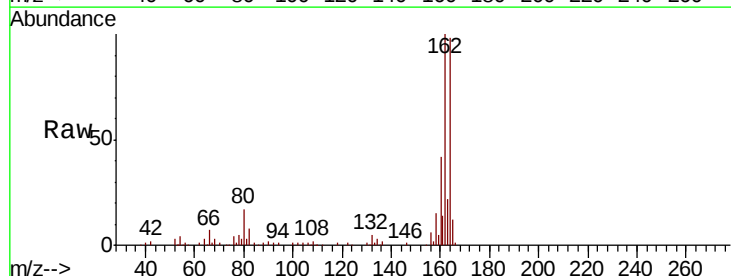


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

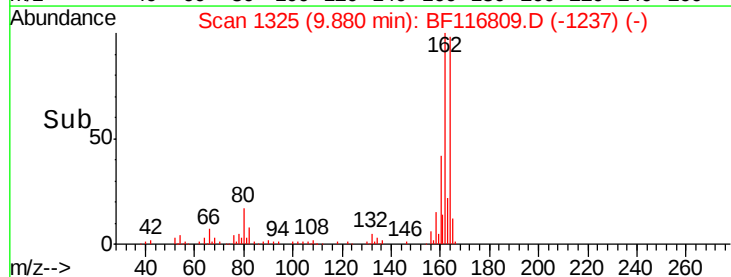
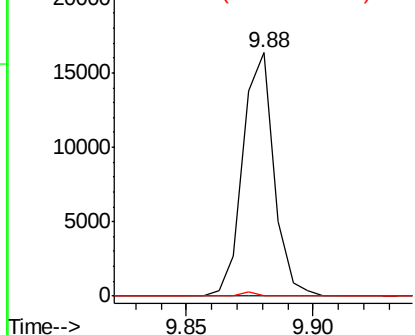


#51
2,6-Dinitrotoluene
Concen: 9.939 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	0.0	52.5	78.7#



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

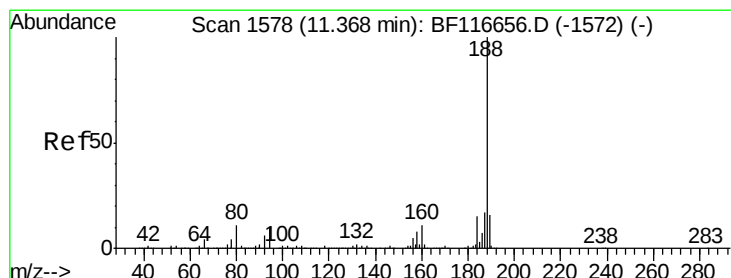
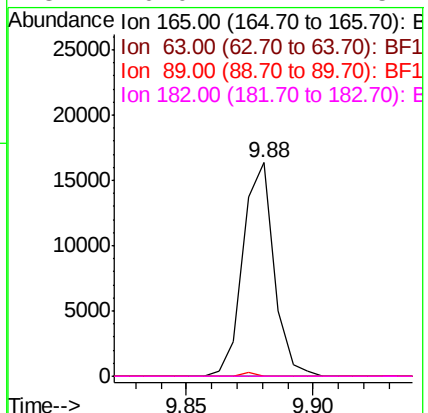
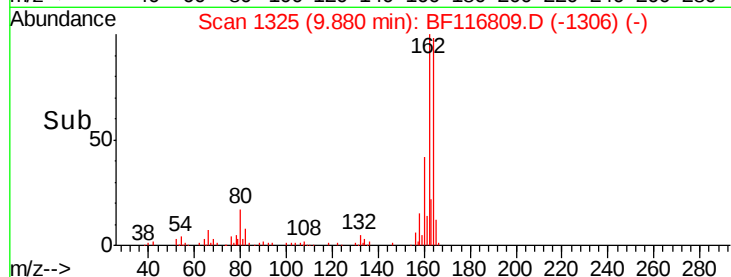
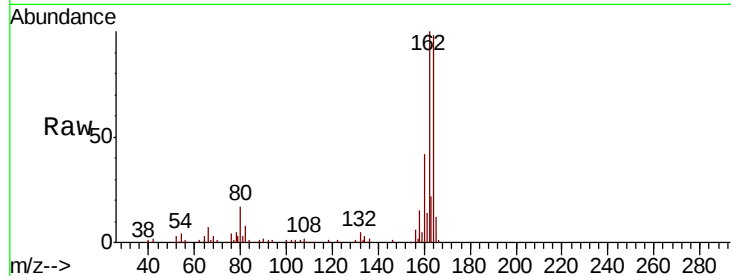




#57
 2,4-Dinitrotoluene
 Concen: 8.128 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116809.D
 Acq: 4 Sep 2019 12:24

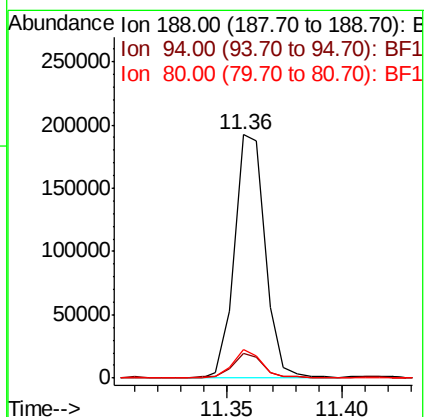
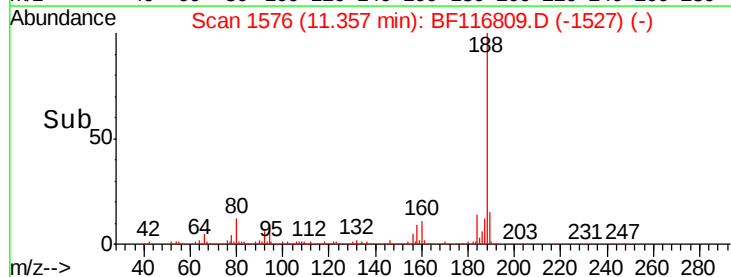
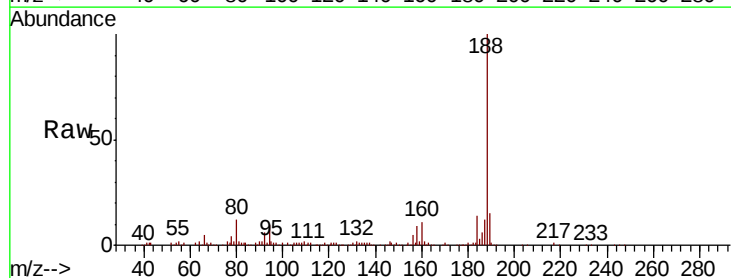
Instrument :
 BNA_F
 ClientSampled :

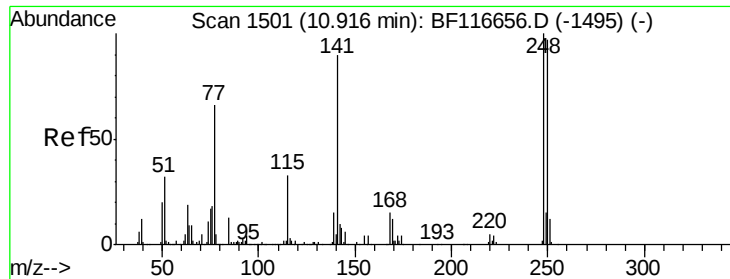
Tot Ion:	165	Resp:	13926
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116809.D
 Acq: 4 Sep 2019 12:24

Tgt Ion:	188	Resp:	179648
Ion Ratio	Lower	Upper	
188	100		
94	10.4	7.3	10.9
80	12.0	8.4	12.6

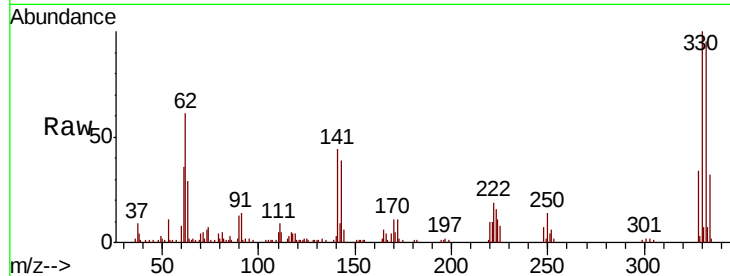




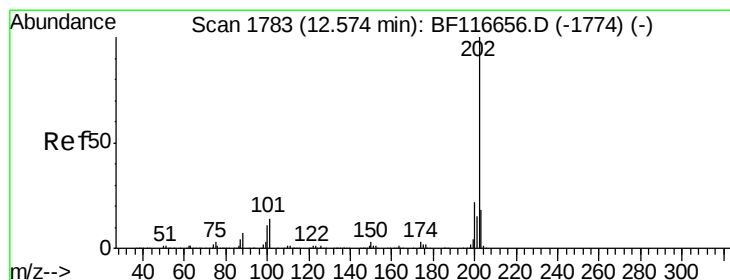
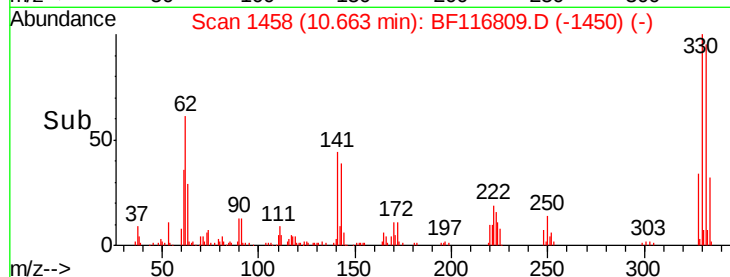
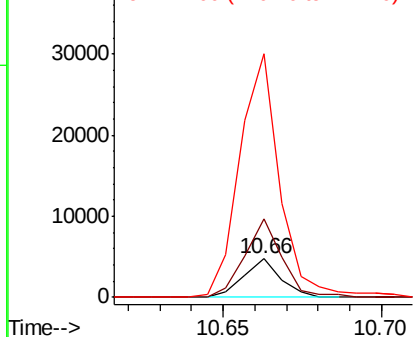
#67
4-Bromophenyl-phenylether
Concen: 2.143 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3911
Ion Ratio Lower Upper
248 100
250 203.7 77.8 116.8#
141 635.9 75.9 113.9#

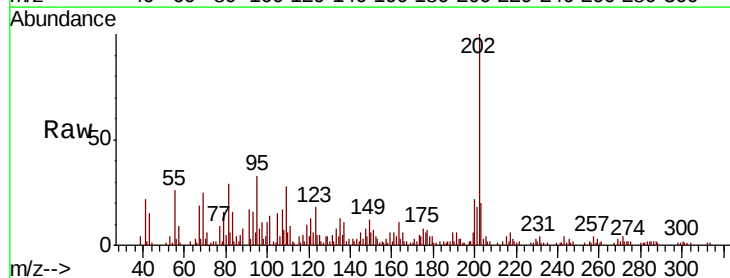


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

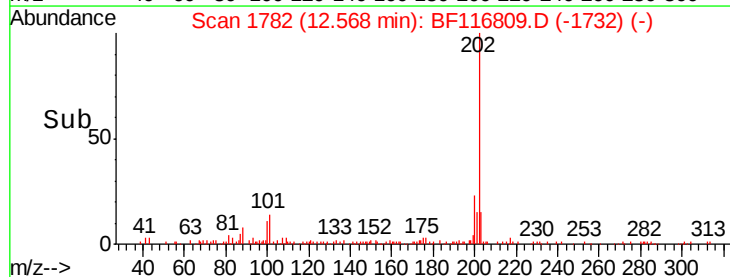
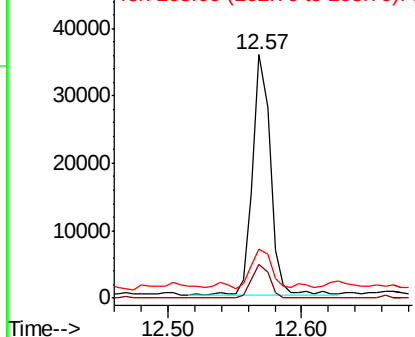


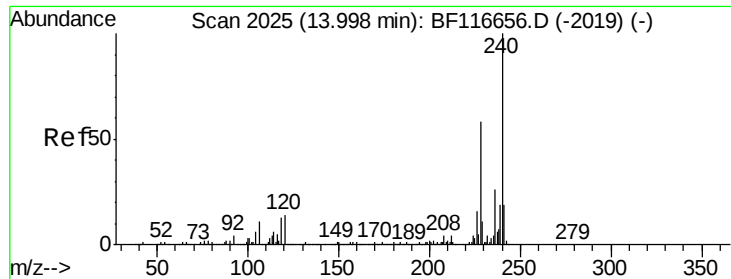
#75
Fluoranthene
Concen: 3.310 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Tgt Ion:202 Resp: 32532
Ion Ratio Lower Upper
202 100
101 14.0 0.0 31.3
203 20.0 0.0 37.6



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

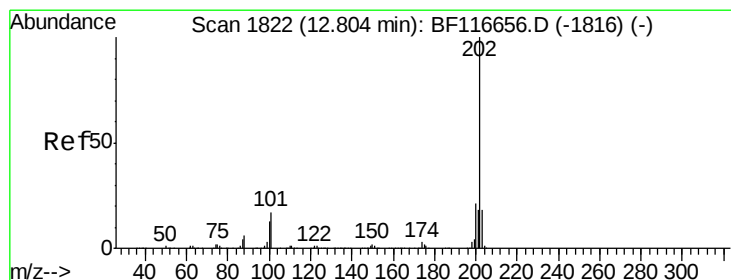
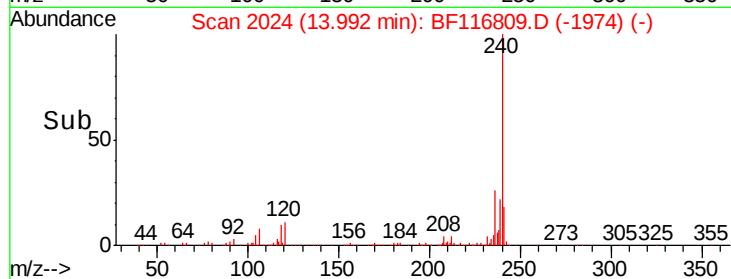
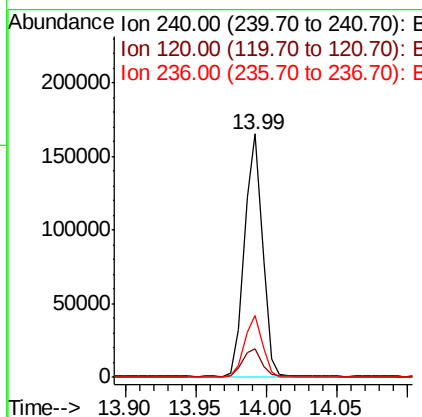
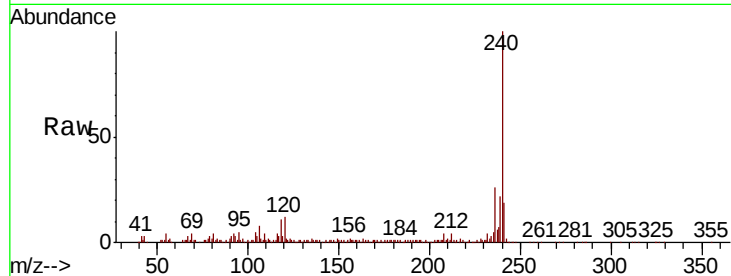




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

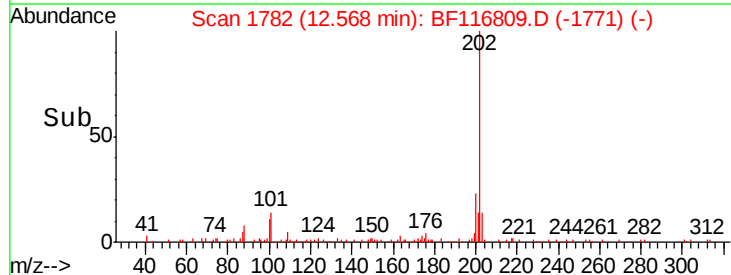
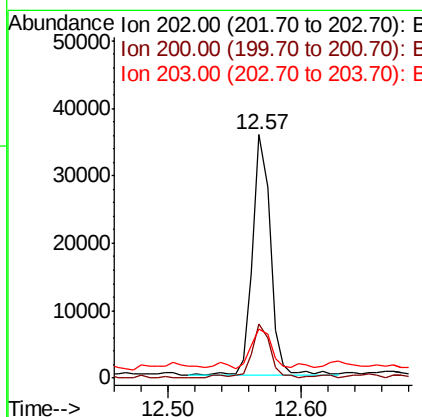
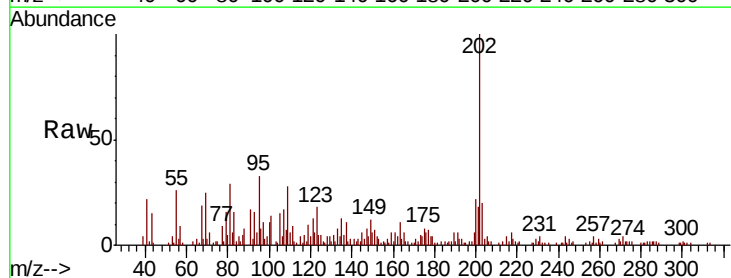
Instrument :
BNA_F
ClientSampled :

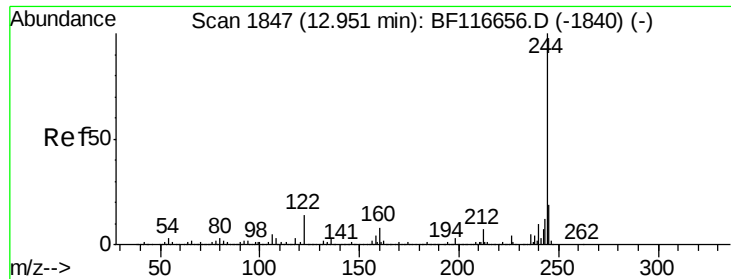
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.1	13.7
236	25.7	21.1	31.7



#78
Pyrene
Concen: 2.468 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.24 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	16.5	24.7
203	20.0	13.7	20.5





#79

Terphenyl-d14

Concen: 37.898 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

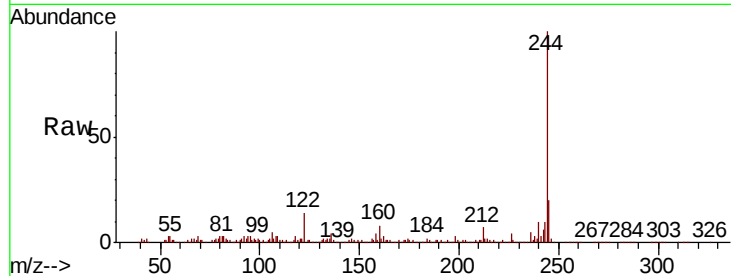
Tot Ion:244 Resp: 303715

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

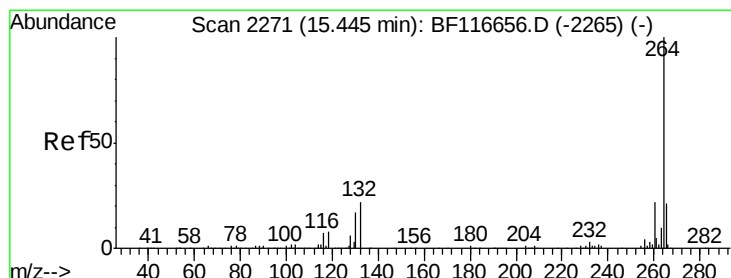
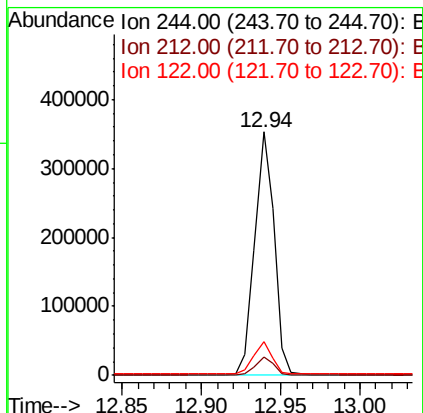
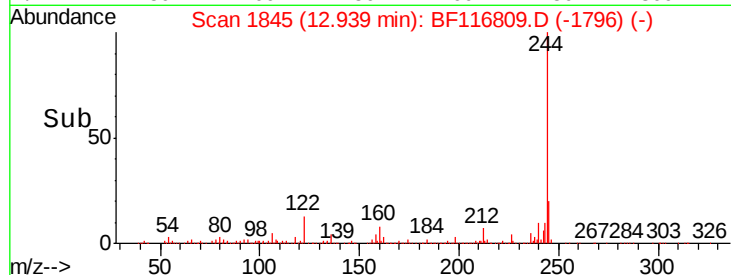
122 13.7 10.2 15.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116809.D

Acq: 4 Sep 2019 12:24

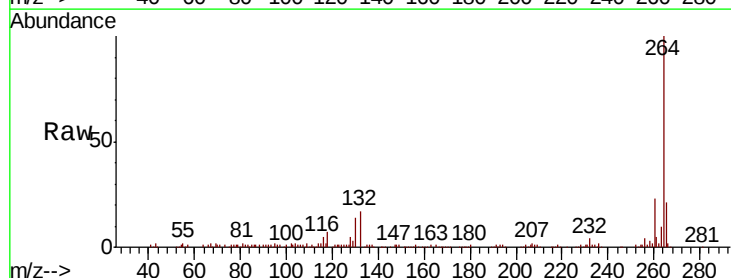
Tgt Ion:264 Resp: 138782

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

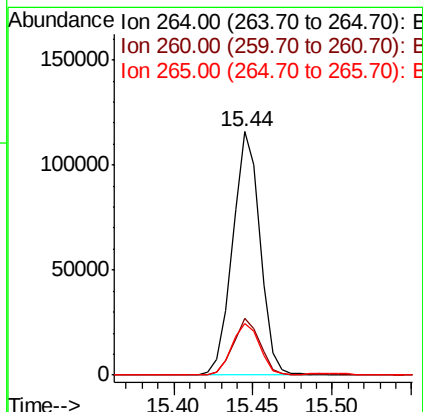
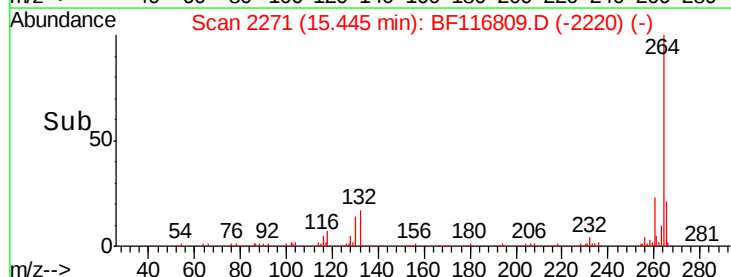
265 21.0 16.5 24.7

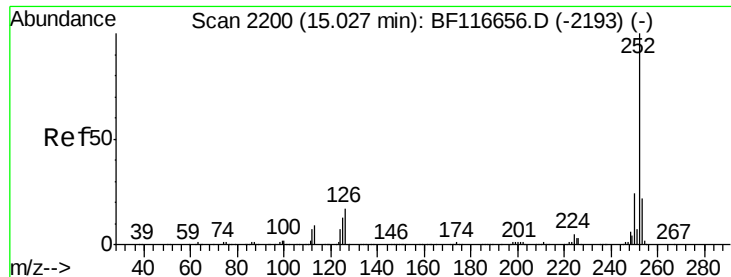


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

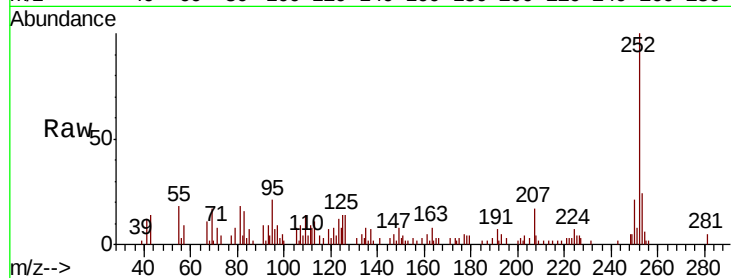




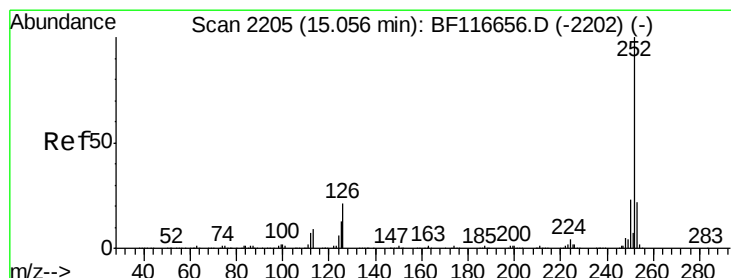
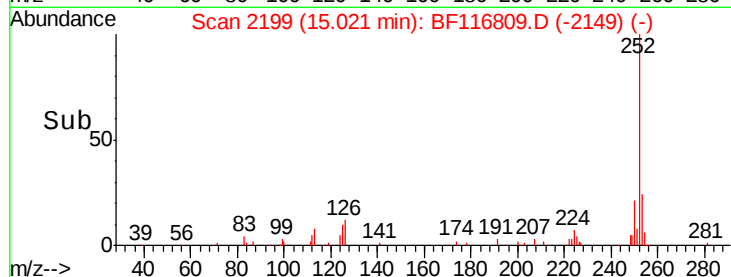
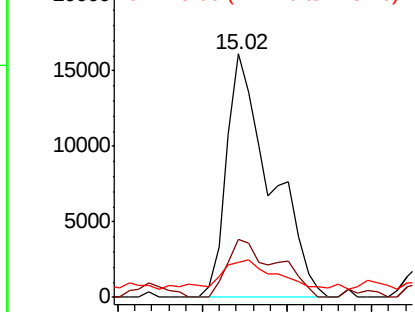
#88
Benzo(b)fluoranthene
Concen: 3.468 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 29101
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 14.5 8.2 12.2#

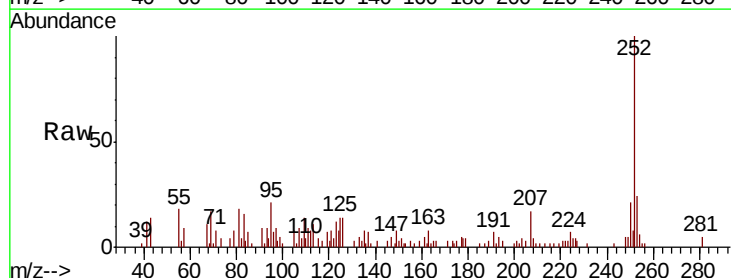


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.804 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116809.D
Acq: 4 Sep 2019 12:24

Tgt Ion:252 Resp: 29101
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 14.5 8.6 13.0#



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

