

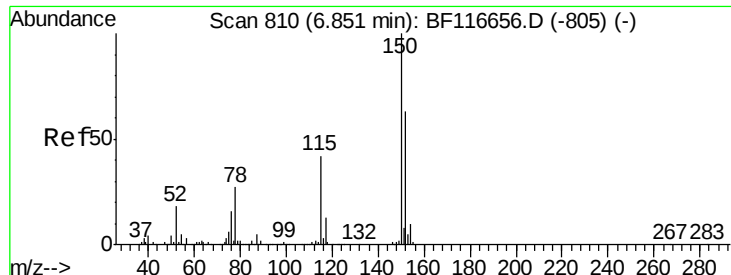
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090919\
 Data File : BF116902.D
 Acq On : 9 Sep 2019 17:51
 Operator : HP/JU
 Sample : K4663-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090519

Quant Time: Sep 10 03:01:13 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	6.83	152	73303	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	294731	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	151657	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	260629	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	225591	20.00	ng	-0.02
87) Perylene-d12	15.43	264	234806	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	539159	119.16	ng	0.00
7) Phenol-d6	6.47	99	660885	111.23	ng	-0.01
23) Nitrobenzene-d5	7.39	82	504066	97.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	183707	181.20	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	877525	97.61	ng	-0.02
79) Terphenyl-d14	12.93	244	996586	81.72	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	65892	16.843	ng	# 73
25) Isophorone	7.39	82	504062	48.182	ng	# 66
50) Dimethylphthalate	9.58	163	29039	2.773	ng	# 95
51) 2,6-Dinitrotoluene	9.87	165	18775	9.398	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	18775	7.686	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	338	7.749	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	12200	4.608	ng	# 1

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

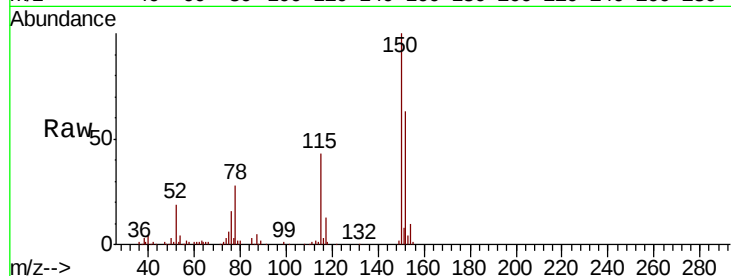


#1

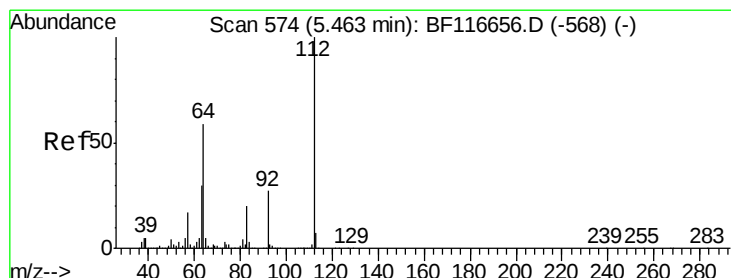
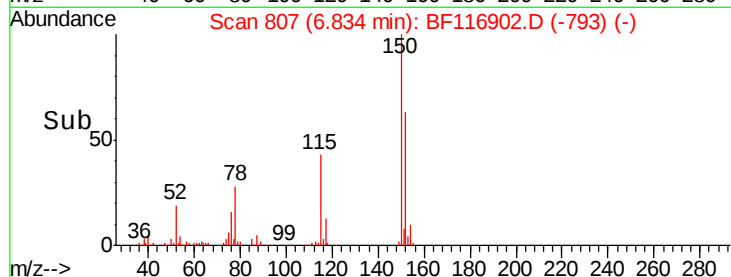
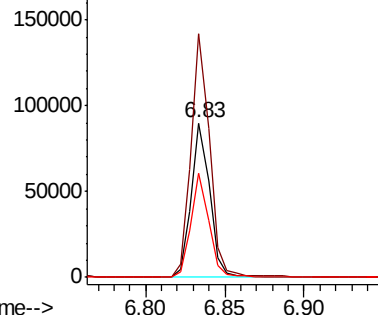
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

Instrument :
BNA_F
ClientSampleId :
OK-03-090519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.4	186.6
115	67.4	49.9	74.9



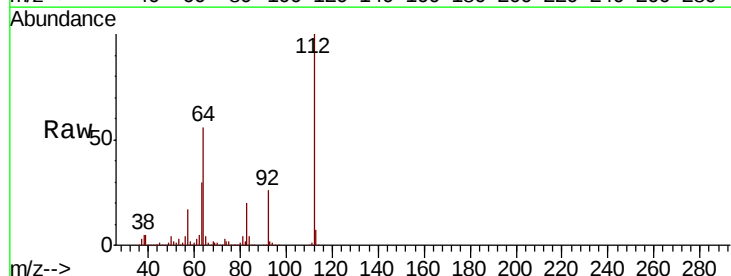
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



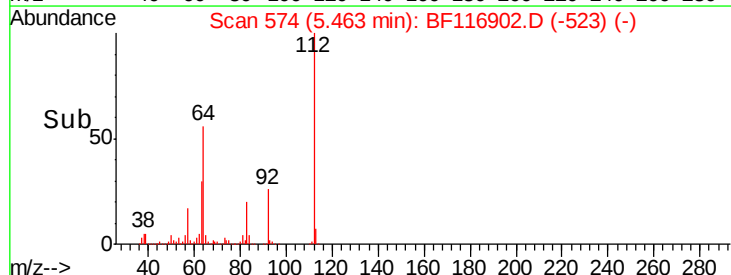
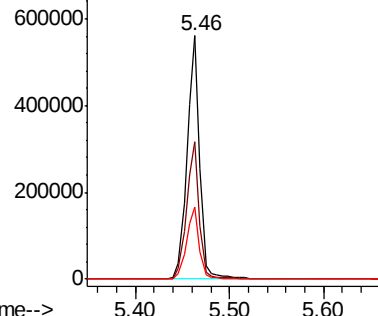
#5

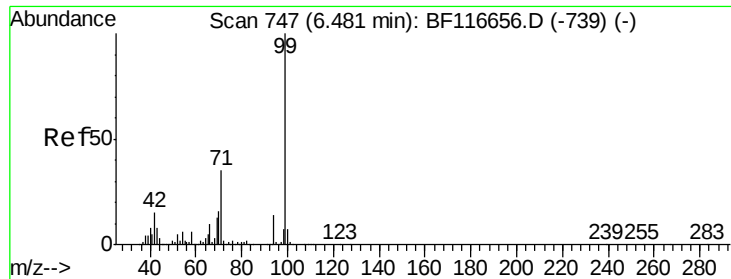
2-Fluorophenol
Concen: 119.159 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.1	70.7
63	29.9	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





#7

Phenol-d6

Concen: 111.233 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116902.D

Acq: 9 Sep 2019 17:51

Instrument :

BNA_F

ClientSampleId :

OK-03-090519

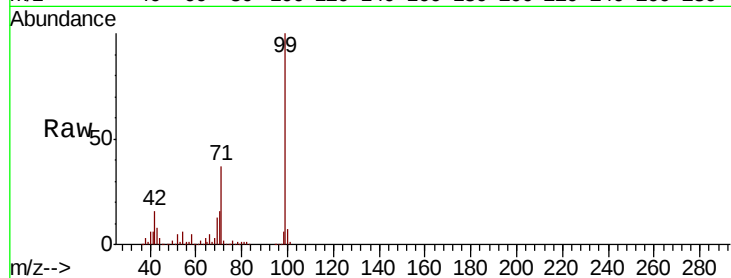
Tgt Ion: 99 Resp: 660885

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

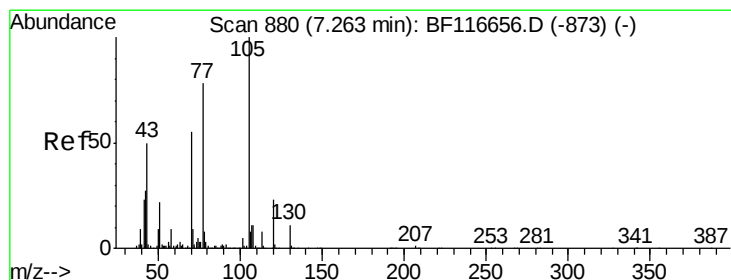
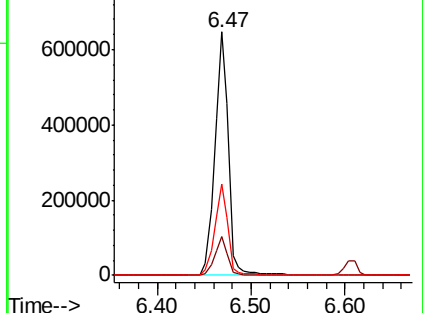
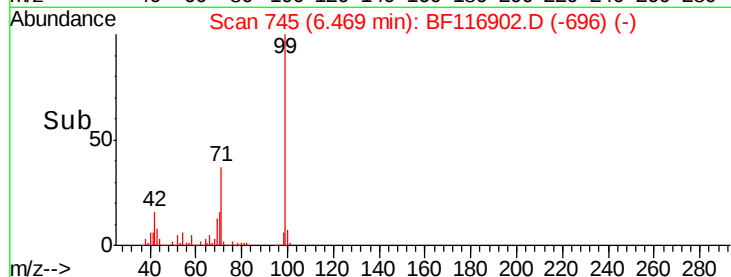
71 37.4 30.8 46.2



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: 16.843 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF116902.D

Acq: 9 Sep 2019 17:51

Tgt Ion: 70 Resp: 65892

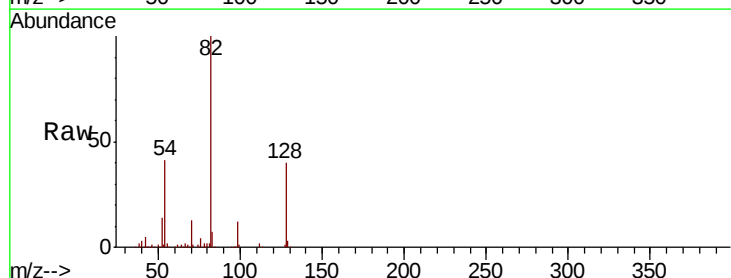
Ion Ratio Lower Upper

70 100

42 38.8 43.5 65.3#

101 0.0 7.8 11.6#

130 2.4 16.6 24.8#

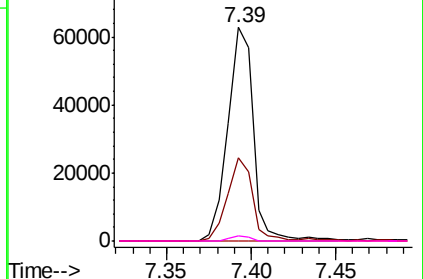
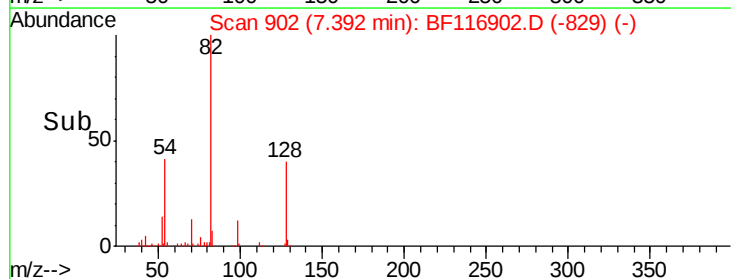


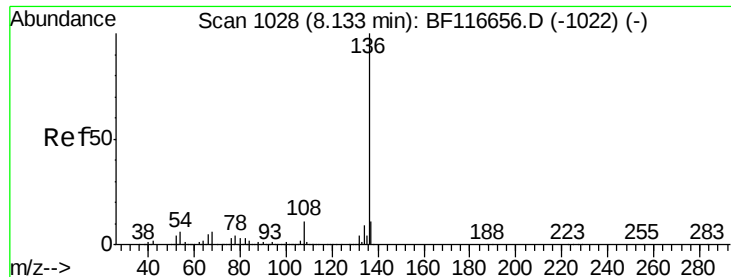
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

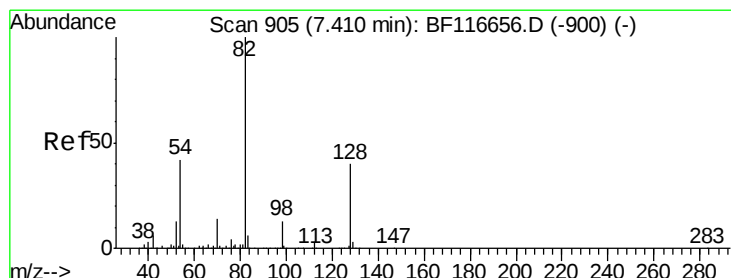
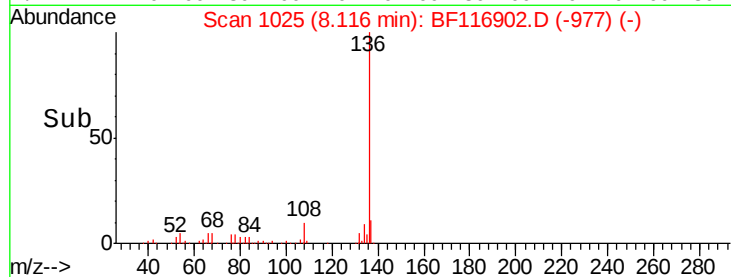
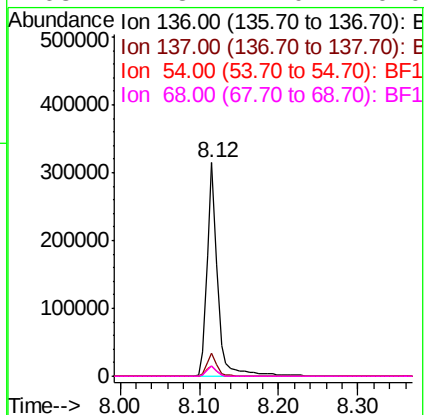
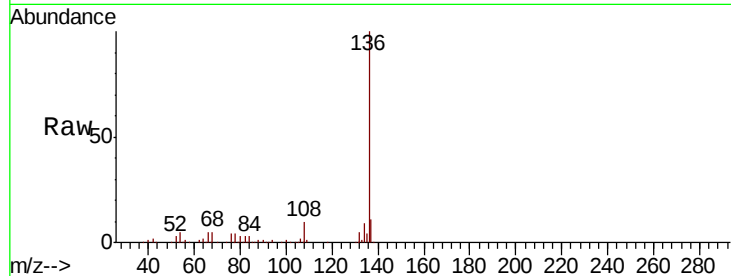




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

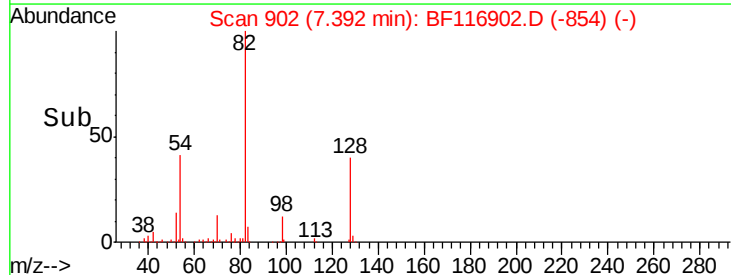
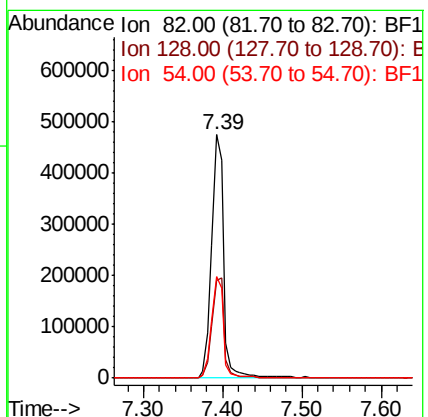
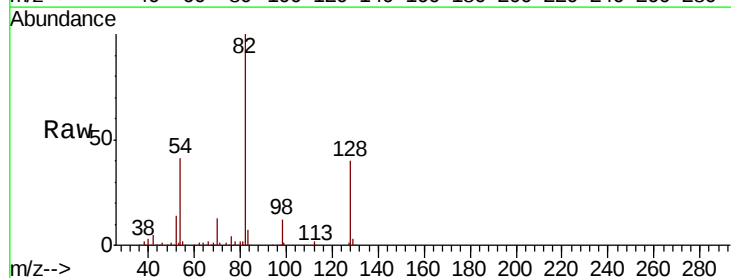
Instrument :
BNA_F
ClientSampleId :
OK-03-090519

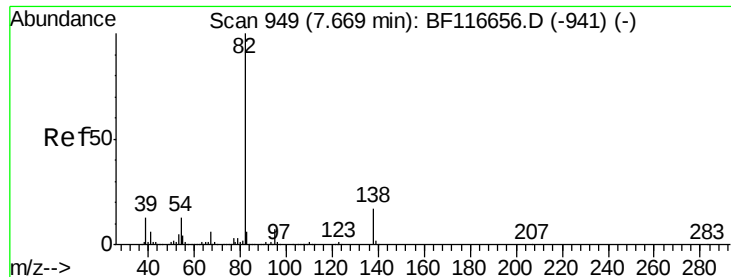
Tgt Ion:	136	Resp:	294731
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.1	4.8	7.2
68	4.8	4.0	6.0



#23
Nitrobenzene-d5
Concen: 97.634 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

Tgt Ion:	82	Resp:	504066
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	41.5	36.9	55.3





#25

Isophorone

Concen: 48.182 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF116902.D

Acq: 9 Sep 2019 17:51

Instrument :

BNA_F

ClientSampleId :

OK-03-090519

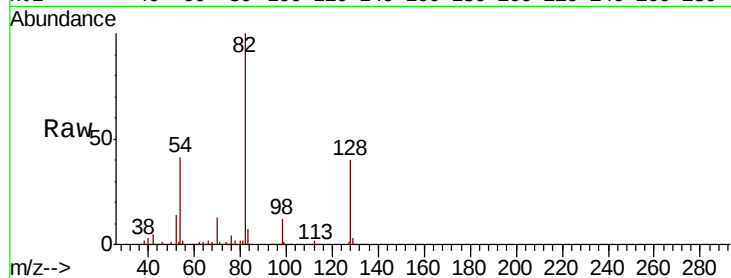
Tgt Ion: 82 Resp: 504062

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

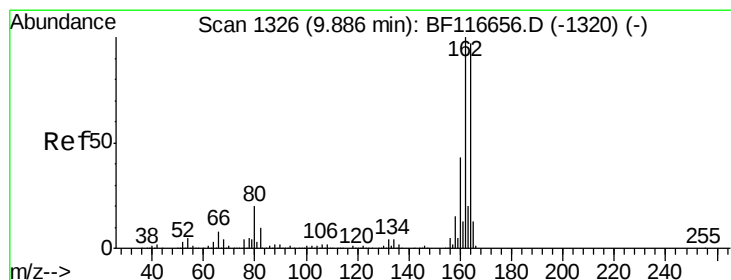
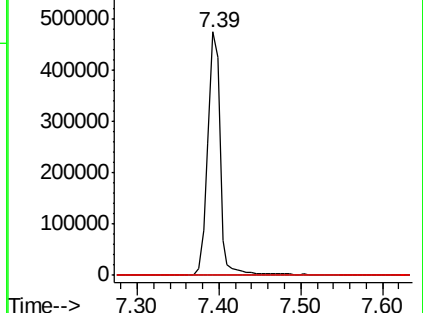
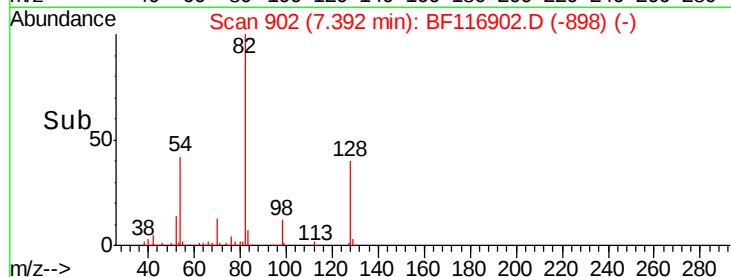
138 0.0 13.5 20.3#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116902.D

Acq: 9 Sep 2019 17:51

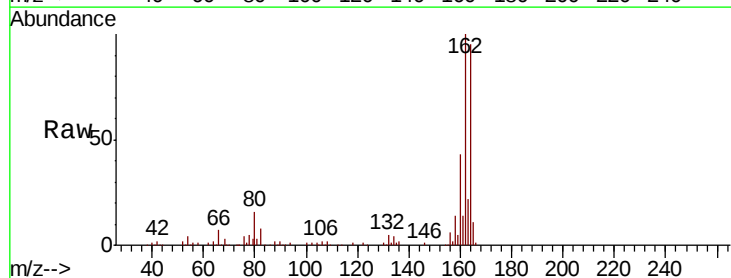
Tgt Ion: 164 Resp: 151657

Ion Ratio Lower Upper

164 100

162 105.2 81.4 122.0

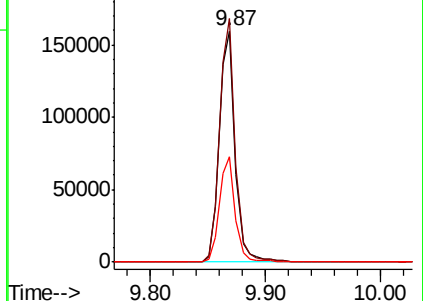
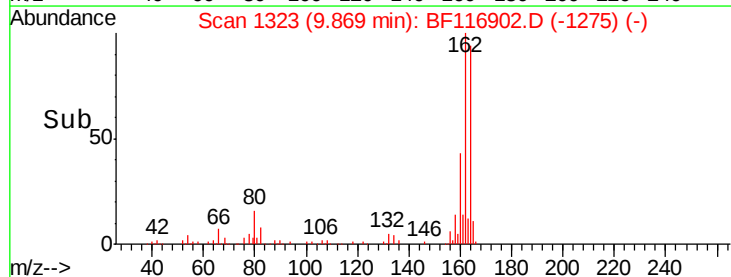
160 45.4 35.4 53.2

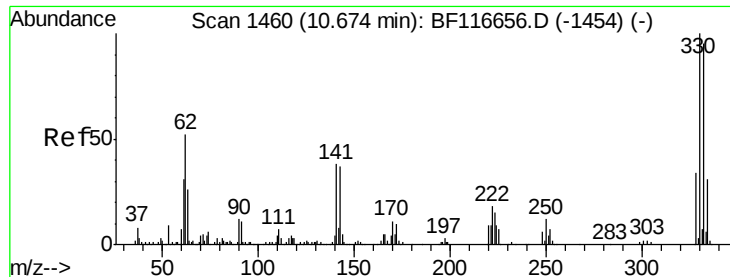


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

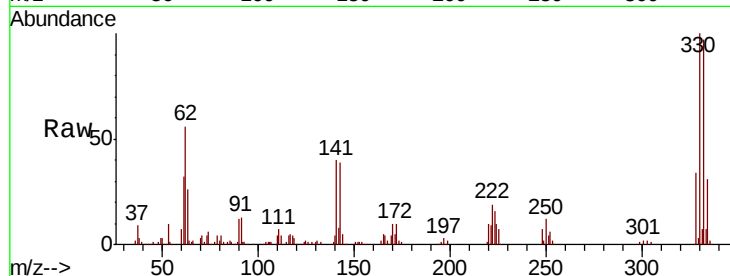




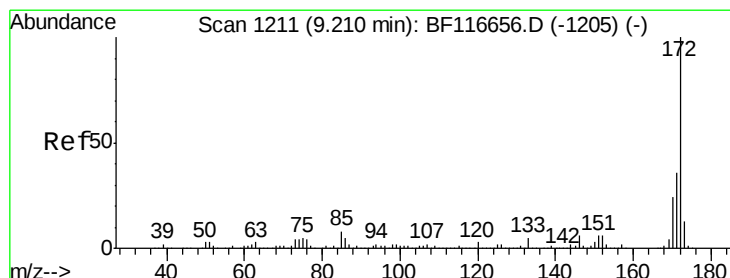
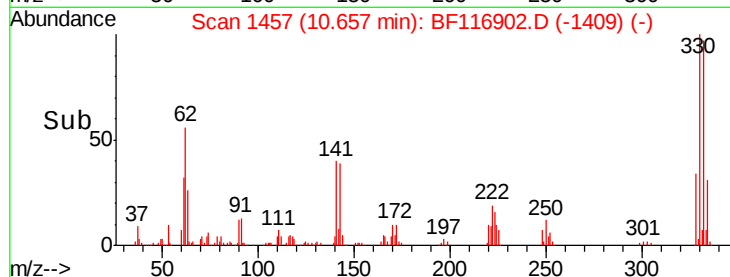
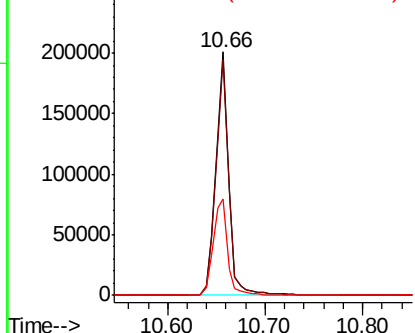
#42
 2,4,6-Tribromophenol
 Concen: 181.196 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF116902.D
 Acq: 9 Sep 2019 17:51

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090519

Tgt Ion:330 Resp: 183707
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.9 115.3
 141 44.4 31.4 47.2

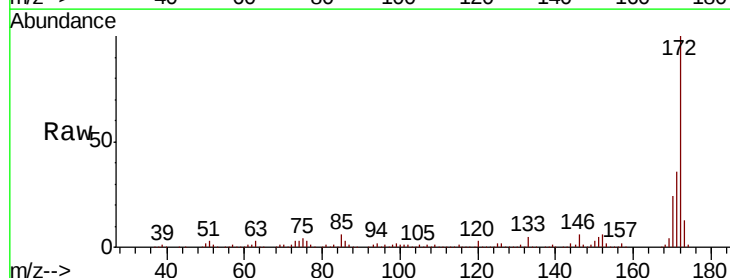


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

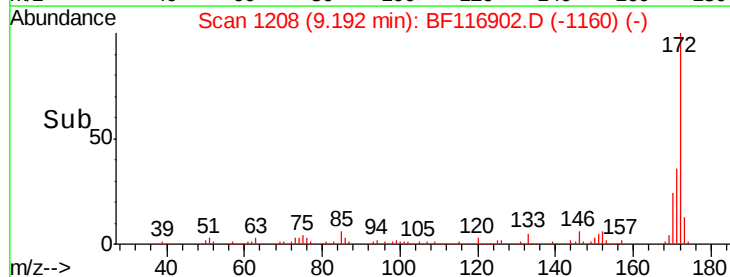
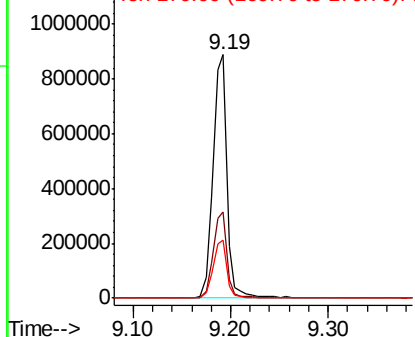


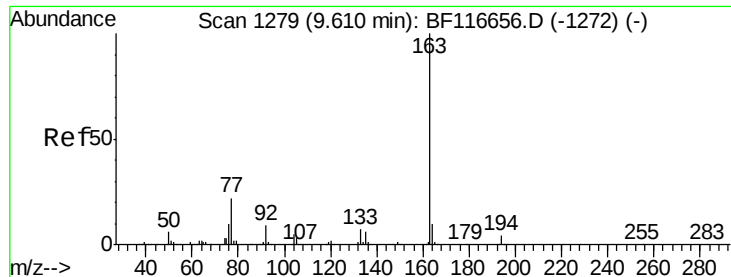
#45
 2-Fluorobiphenyl
 Concen: 97.608 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116902.D
 Acq: 9 Sep 2019 17:51

Tgt Ion:172 Resp: 877525
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.8 41.6
 170 23.7 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

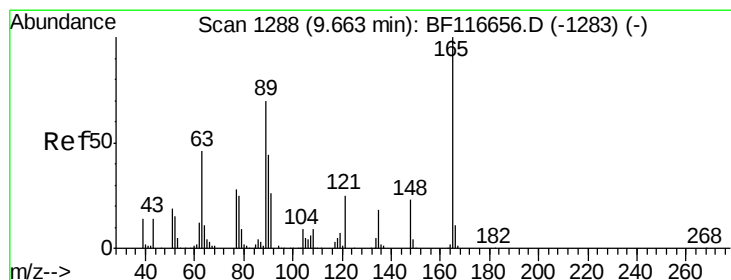
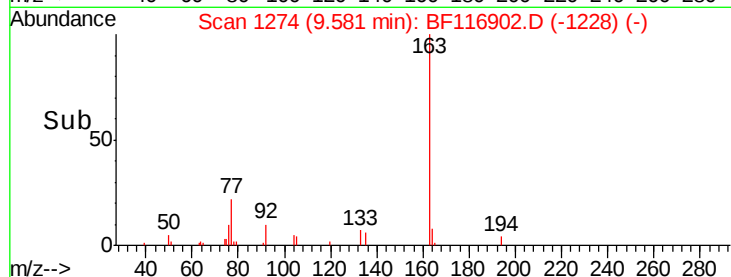
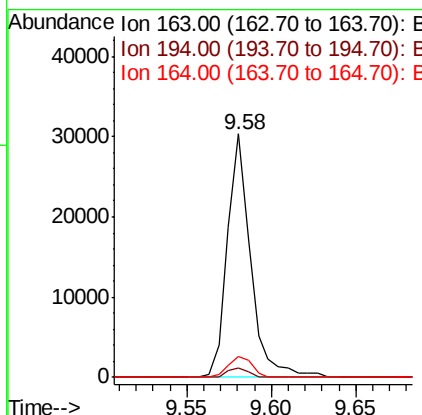
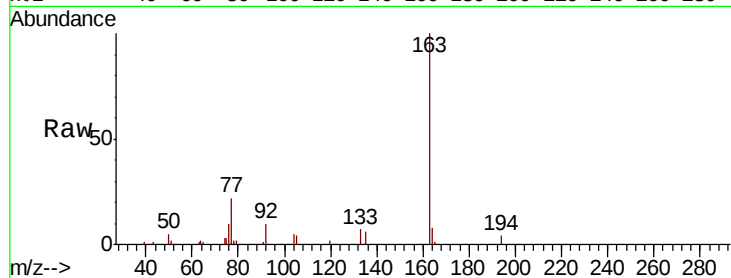




#50
Dimethylphthalate
Concen: 2.773 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.03 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

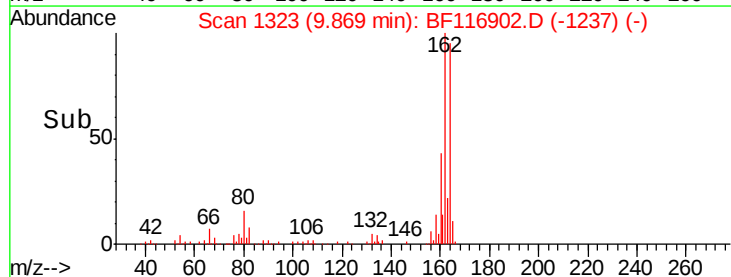
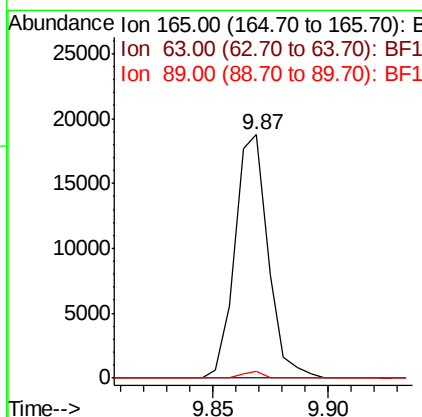
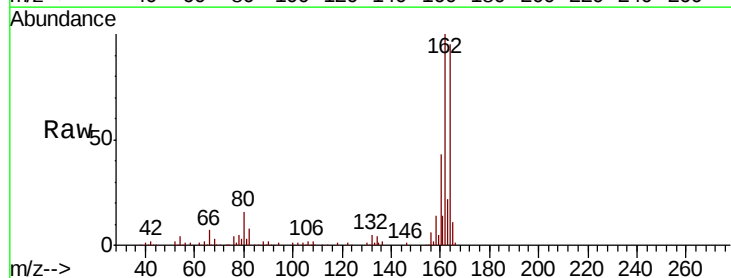
Instrument :
BNA_F
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OK-03-090519

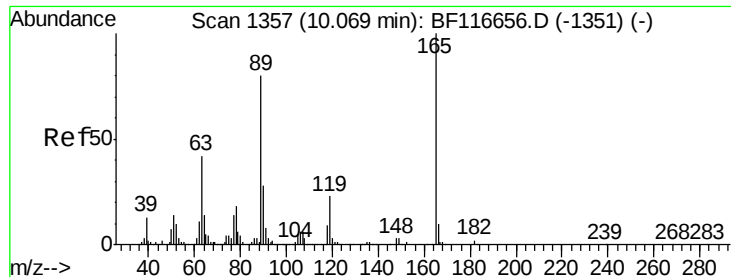
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	8.5	8.6	12.8#



#51
2,6-Dinitrotoluene
Concen: 9.398 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.21 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	2.7	52.5	78.7#

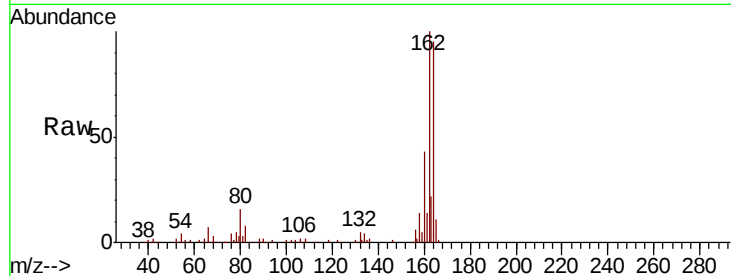




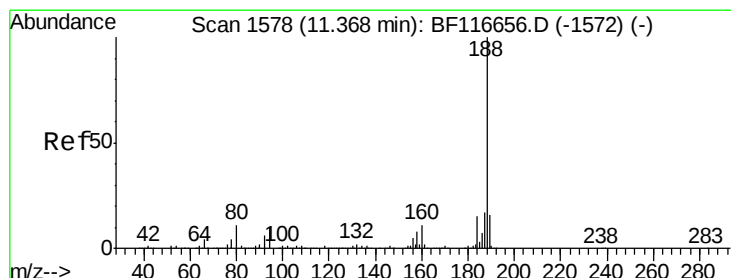
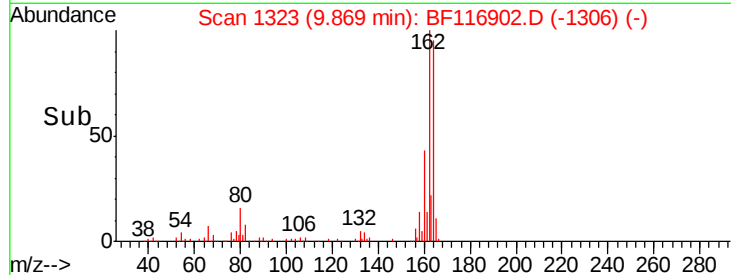
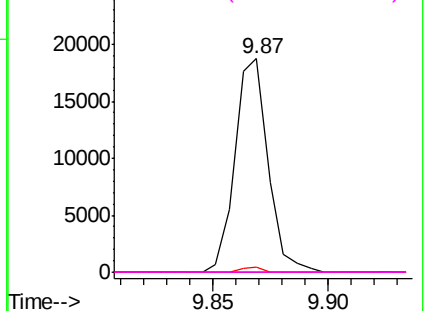
#57
 2,4-Dinitrotoluene
 Concen: 7.686 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.20 min
 Lab File: BF116902.D
 Acq: 9 Sep 2019 17:51

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090519

Tgt Ion:	165	Resp:	18775
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.7	62.6	94.0#
182	0.0	2.1	3.1#

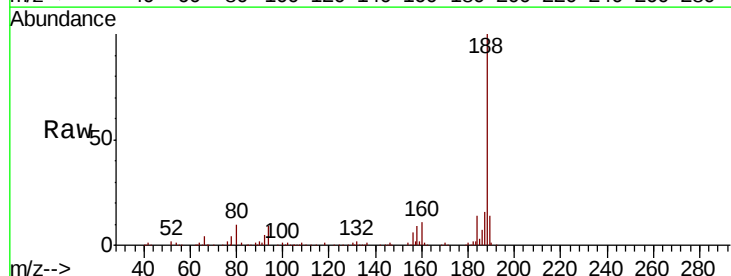


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

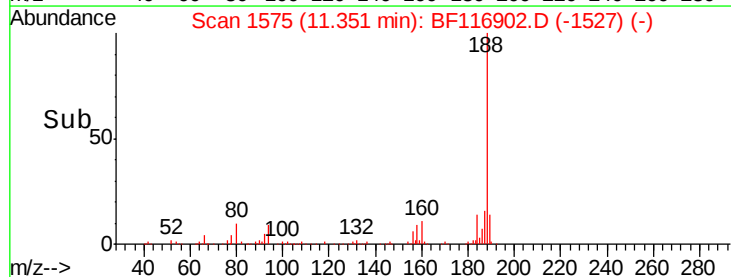
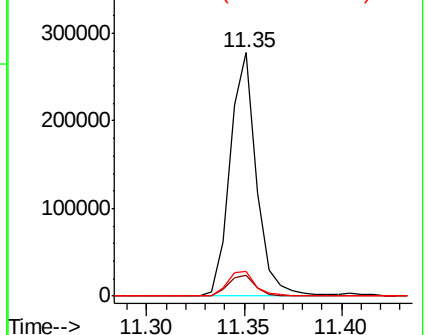


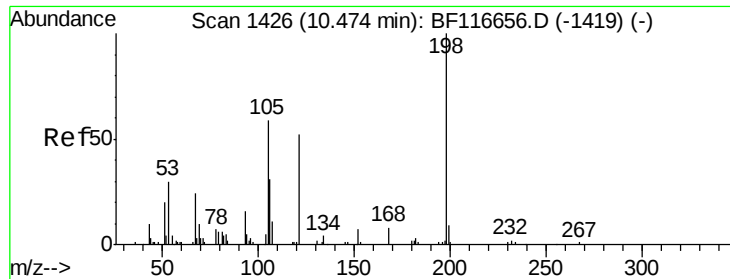
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF116902.D
 Acq: 9 Sep 2019 17:51

Tgt Ion:	188	Resp:	260629
Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	10.2	8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.749 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.18 min

Lab File: BF116902.D

Acq: 9 Sep 2019 17:51

Instrument :

BNA_F

ClientSampleId :

OK-03-090519

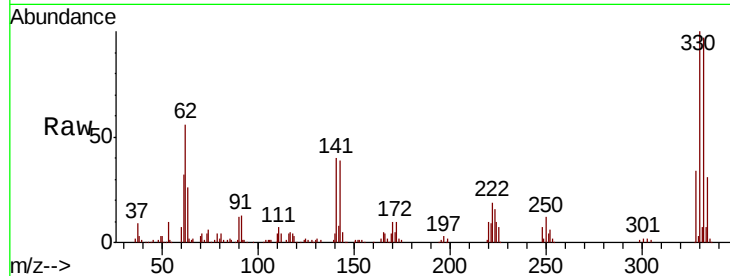
Tgt Ion:198 Resp: 338

Ion Ratio Lower Upper

198 100

51 149.2 18.4 58.4#

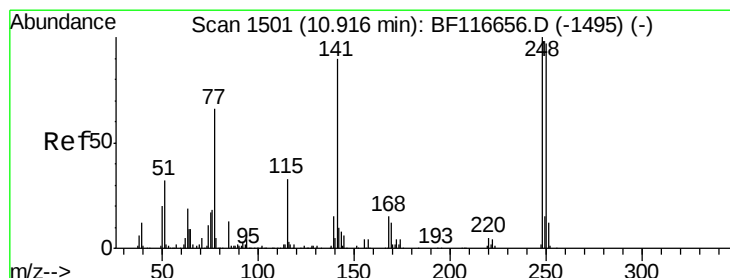
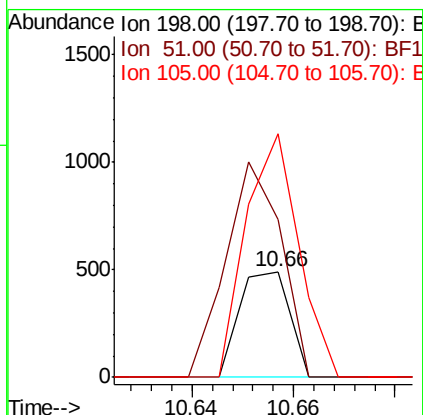
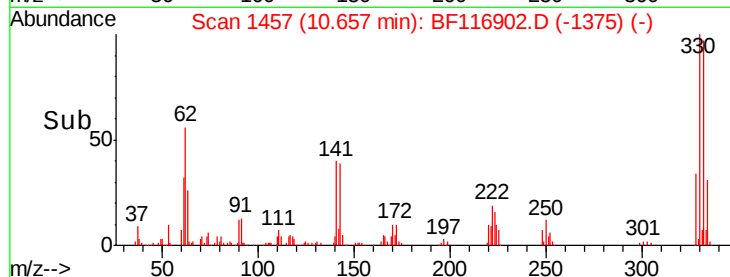
105 230.1 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.608 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.26 min

Lab File: BF116902.D

Acq: 9 Sep 2019 17:51

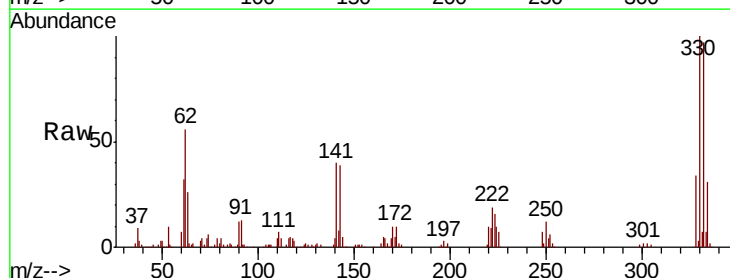
Tgt Ion:248 Resp: 12200

Ion Ratio Lower Upper

248 100

250 188.1 77.8 116.8#

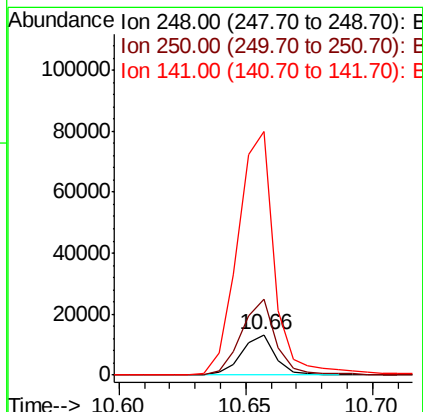
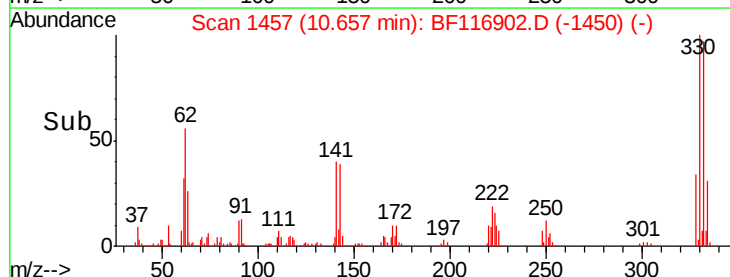
141 602.6 75.9 113.9#

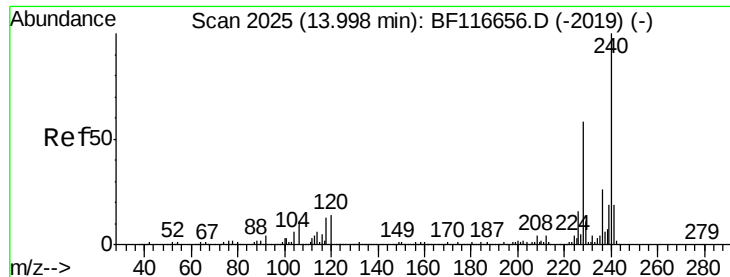


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

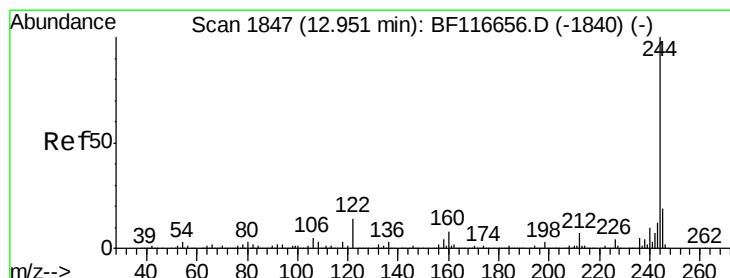
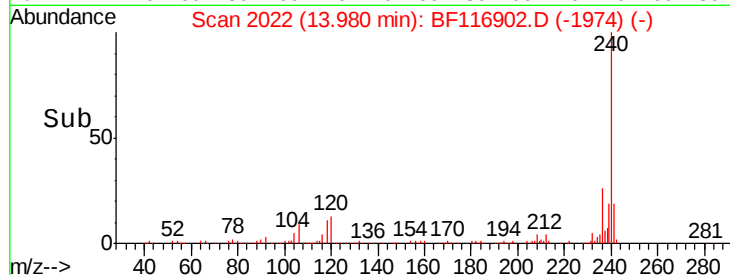
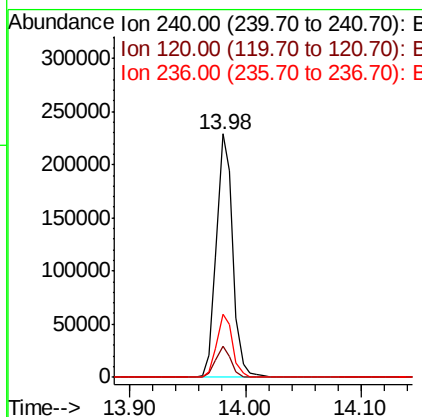
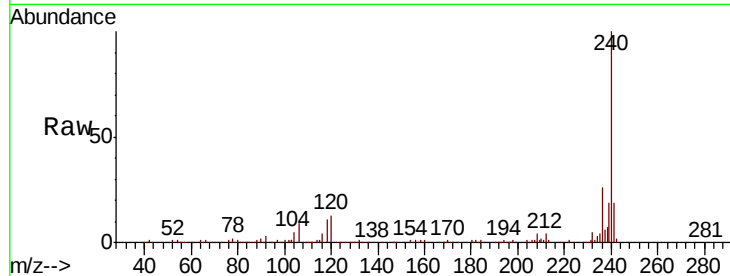




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

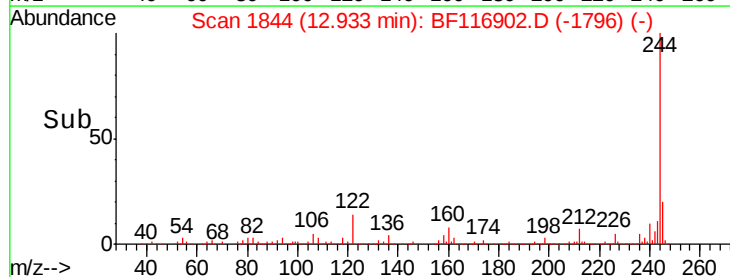
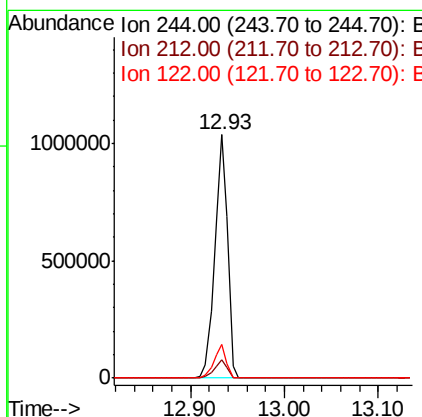
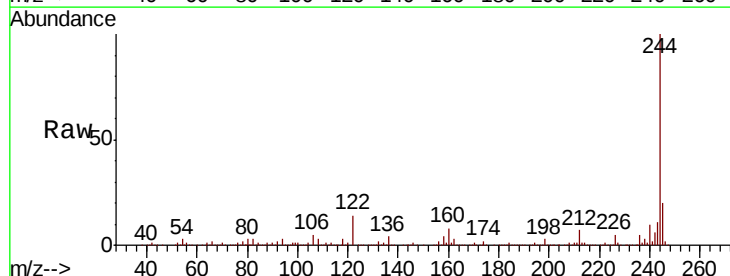
Instrument :
BNA_F
ClientSampleId :
OK-03-090519

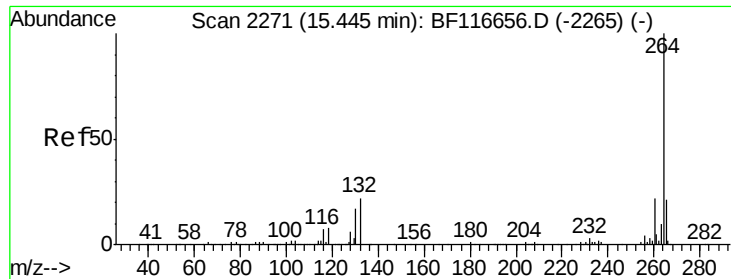
Tgt Ion:240 Resp: 225591
Ion Ratio Lower Upper
240 100
120 12.6 9.1 13.7
236 26.0 21.1 31.7



#79
Terphenyl-d14
Concen: 81.724 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

Tgt Ion:244 Resp: 996586
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 13.9 10.2 15.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF116902.D
Acq: 9 Sep 2019 17:51

Instrument :
BNA_F
ClientSampleId :
OK-03-090519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.3	27.5
265	21.6	16.5	24.7

