

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052419\
 Data File : BF114595.D
 Acq On : 25 May 2019 2:41
 Operator : JU/SJ
 Sample : K2970-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Quant Time: May 26 23:04:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

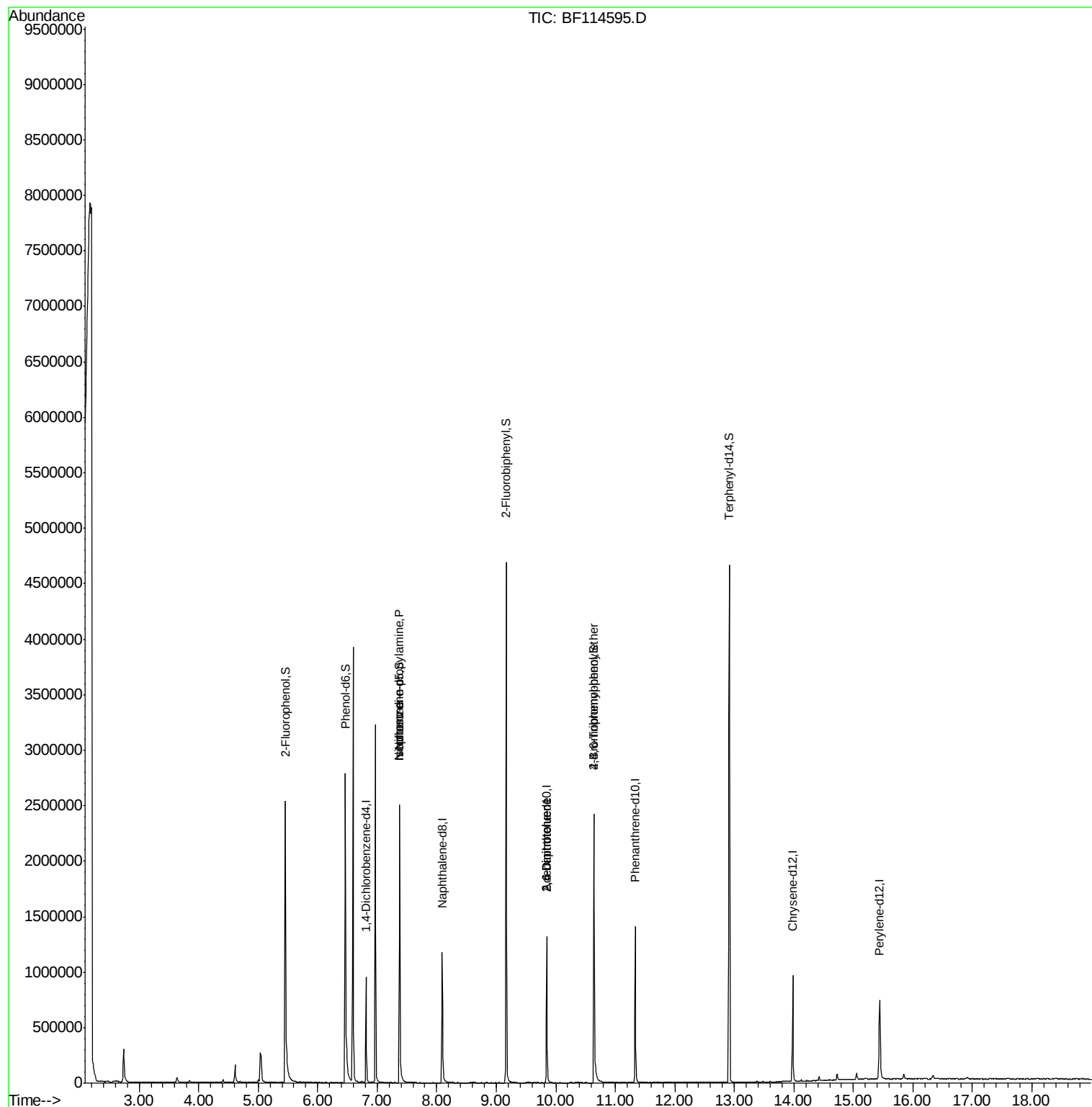
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	148260	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	562258	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	266142	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	545266	20.00	ng	0.00
76) Chrysene-d12	13.98	240	369229	20.00	ng	0.00
87) Perylene-d12	15.44	264	379493	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	941529	102.20	ng	0.01
7) Phenol-d6	6.46	99	1121264	102.90	ng	0.00
23) Nitrobenzene-d5	7.37	82	844264	84.27	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	335438	121.91	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1435271	81.58	ng	0.00
79) Terphenyl-d14	12.92	244	1648630	92.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	111772	16.183	ng	# 75
25) Isophorone	7.37	82	844260	45.437	ng	# 64
51) 2,6-Dinitrotoluene	9.85	165	34018	7.850	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	34018	5.784	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	21890	3.646	ng	# 1

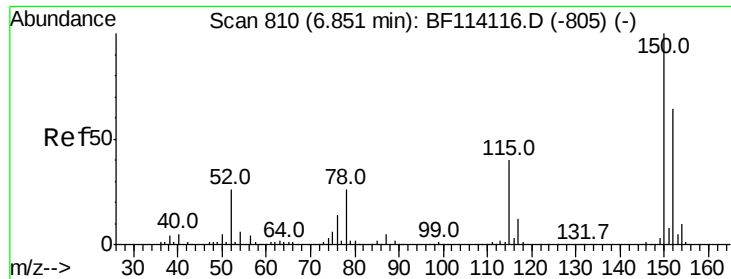
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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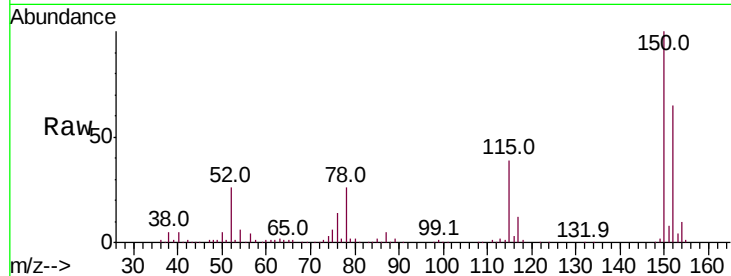


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114595.D
Acq: 25 May 2019 2:41

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.3	186.5
115	60.8	49.1	73.7

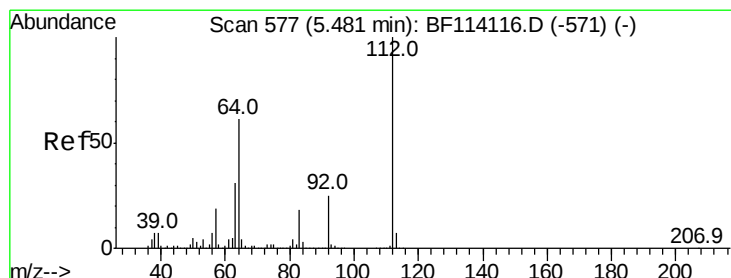
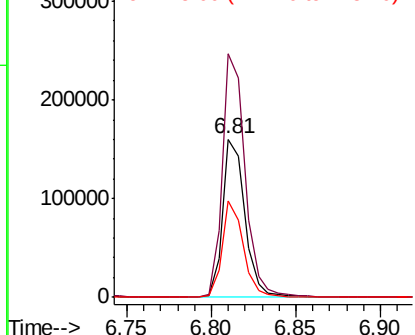
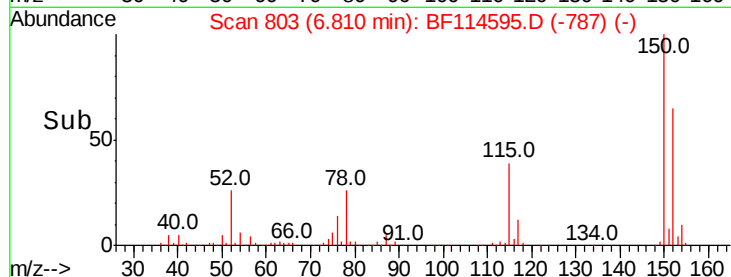


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

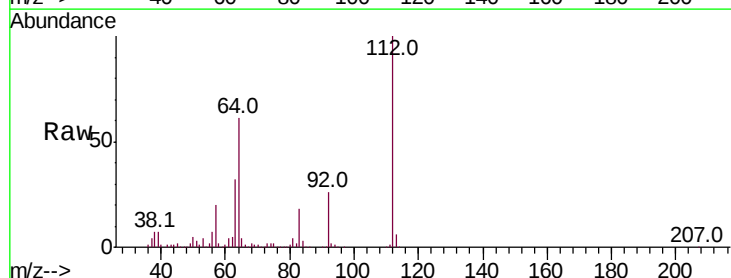
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.197 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF114595.D
Acq: 25 May 2019 2:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	49.0	73.6
63	31.7	24.6	37.0

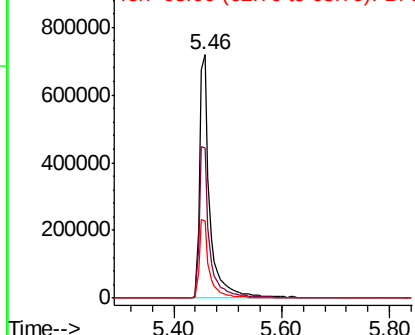
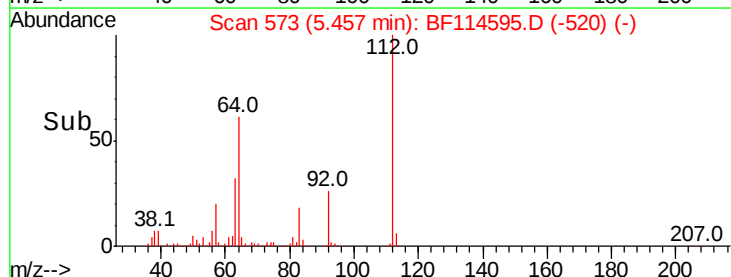


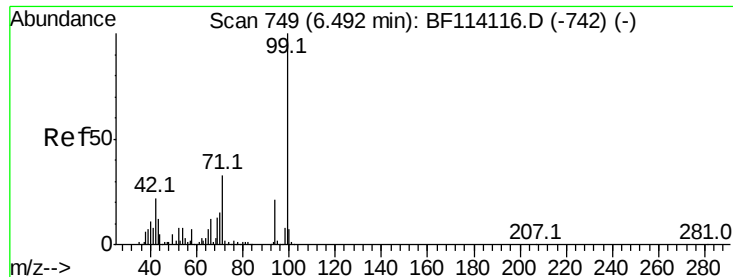
Abundance

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: 102.902 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114595.D

Acq: 25 May 2019 2:41

Instrument :

BNA_F

ClientSampleId :

TP-9-S

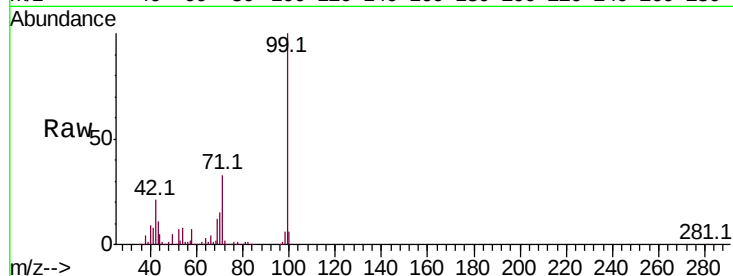
Tot Ion: 99 Resp: 1121264

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

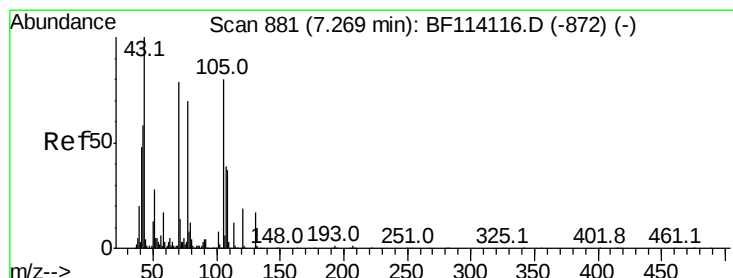
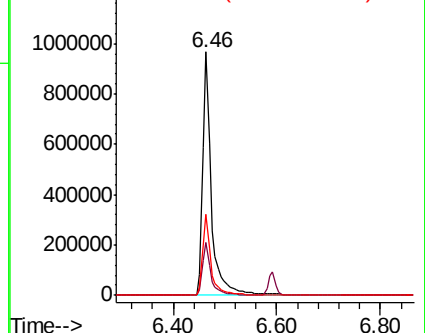
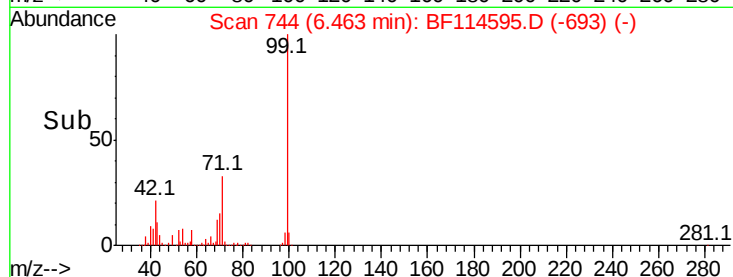
71 33.1 26.2 39.2



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: 16.183 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF114595.D

Acq: 25 May 2019 2:41

Tgt Ion: 70 Resp: 111772

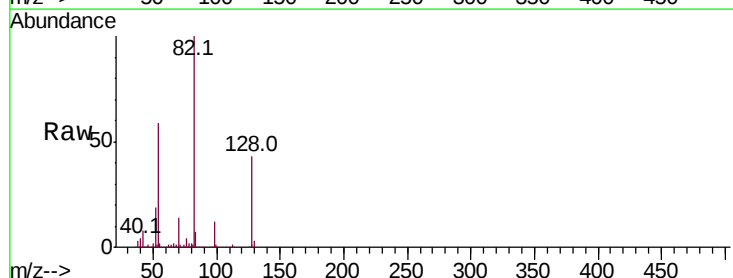
Ion Ratio Lower Upper

70 100

42 56.7 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

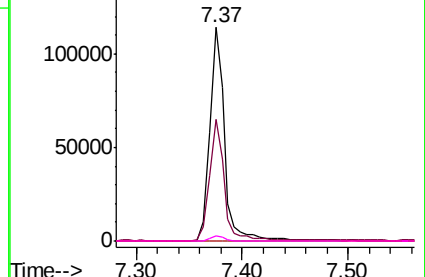
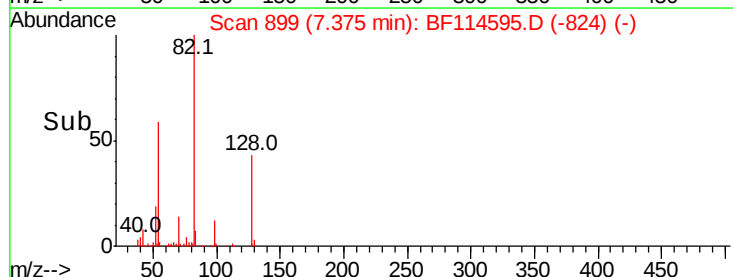


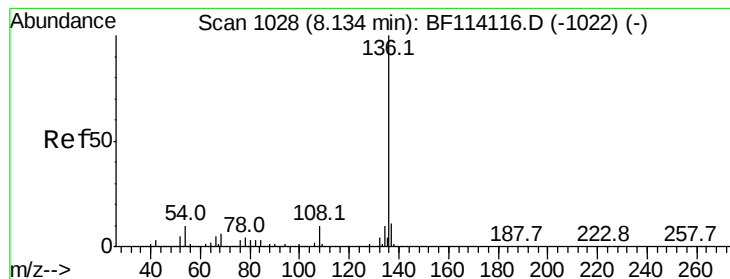
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF114595.D

Acq: 25 May 2019 2:41

Instrument :

BNA_F

ClientSampleId :

TP-9-S

Tot Ion:136 Resp: 562258

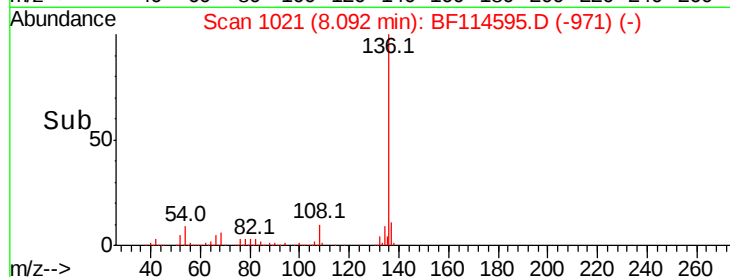
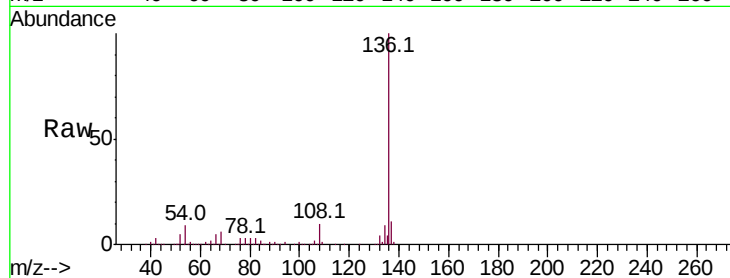
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.1 7.8 11.8

68 5.8 5.1 7.7

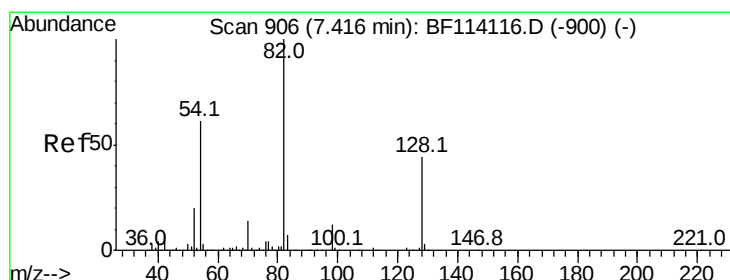
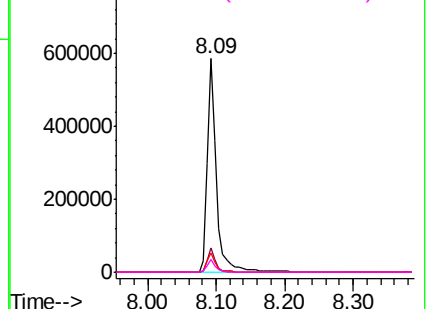


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.268 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF114595.D

Acq: 25 May 2019 2:41

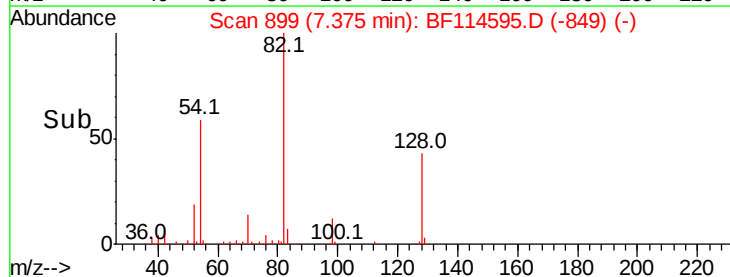
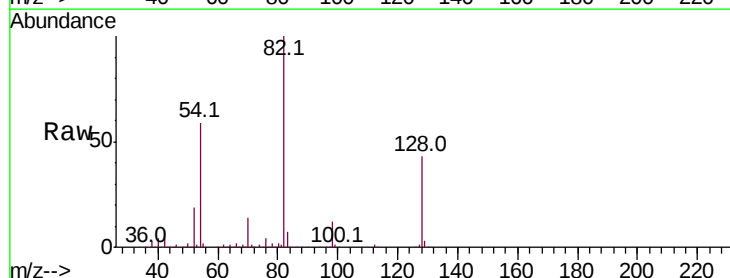
Tgt Ion: 82 Resp: 844264

Ion Ratio Lower Upper

82 100

128 43.3 35.5 53.3

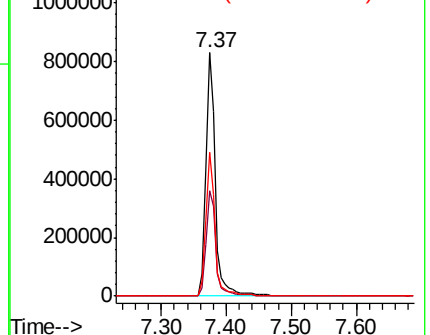
54 58.8 48.5 72.7



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: 45.437 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF114595.D

Acq: 25 May 2019 2:41

Instrument :

BNA_F

ClientSampled :

TP-9-S

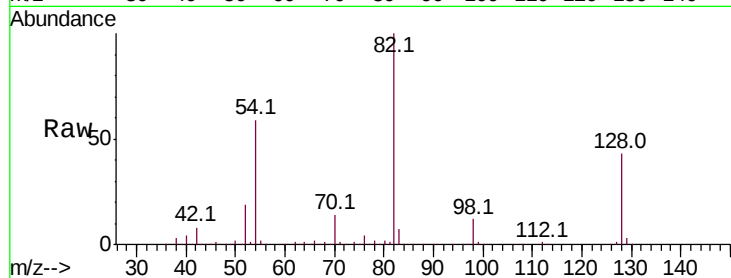
Tot Ion: 82 Resp: 844260

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

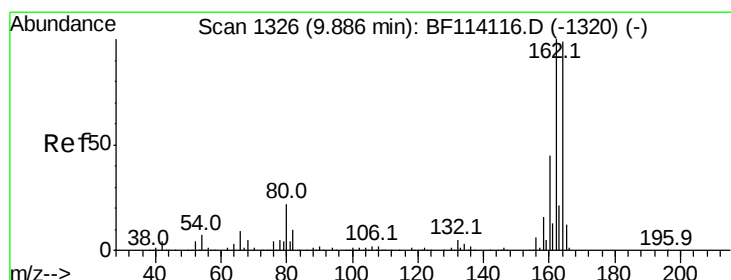
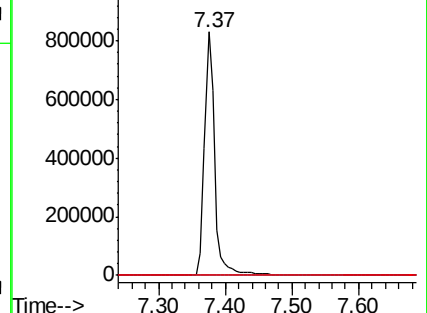
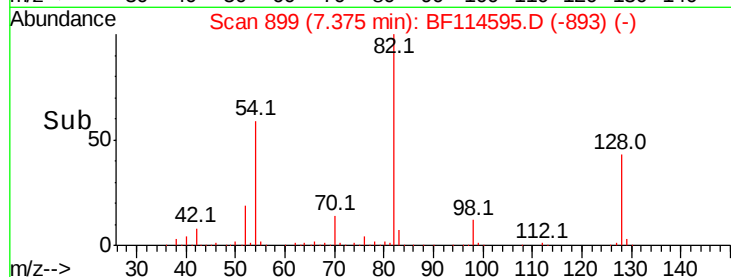
138 0.0 14.8 22.2#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF114595.D

Acq: 25 May 2019 2:41

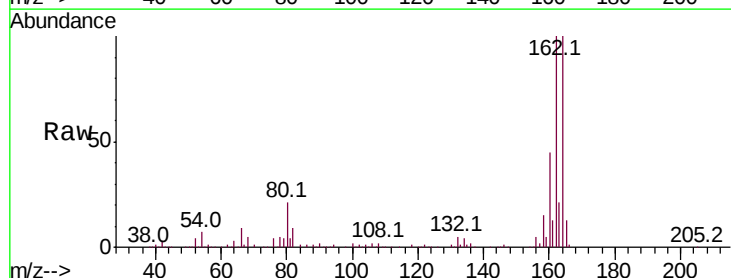
Tgt Ion:164 Resp: 266142

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

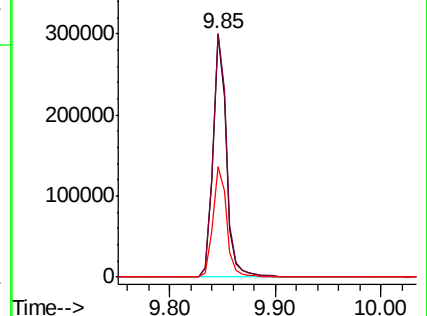
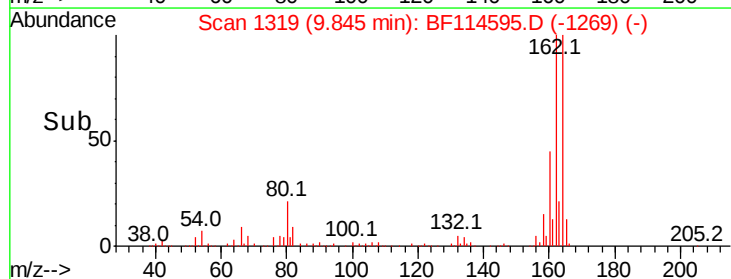
160 45.6 36.5 54.7

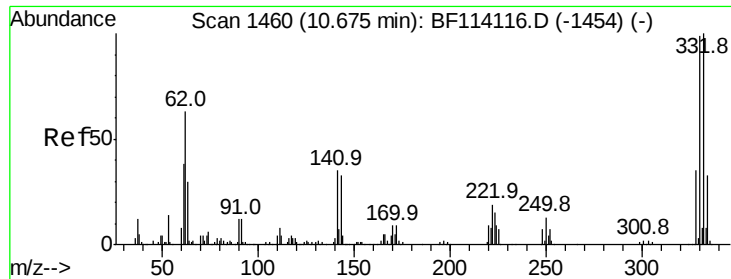


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

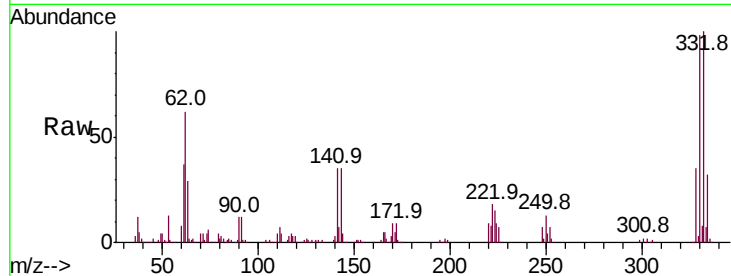




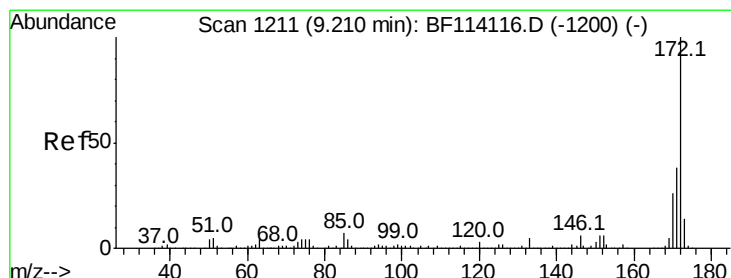
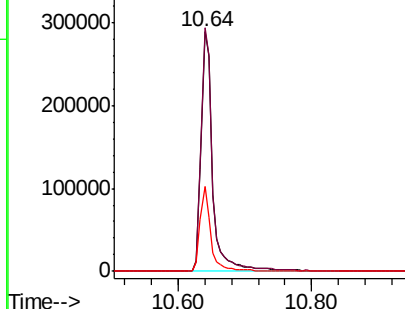
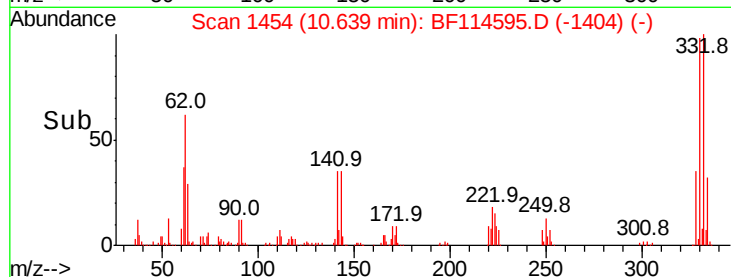
#42
 2,4,6-Tribromophenol
 Concen: 121.913 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF114595.D
 Acq: 25 May 2019 2:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tot Ion:330 Resp: 335438
 Ion Ratio Lower Upper
 330 100
 332 100.1 81.4 122.2
 141 32.8 26.6 40.0

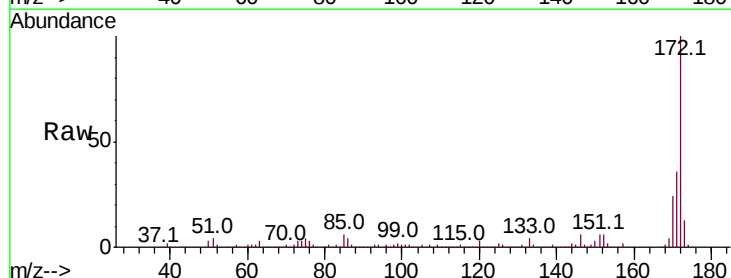


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

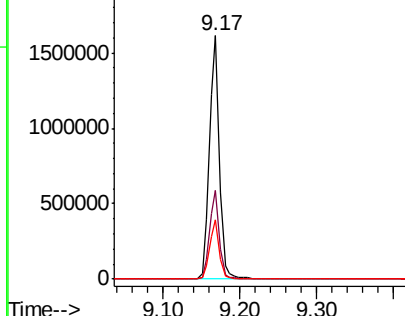
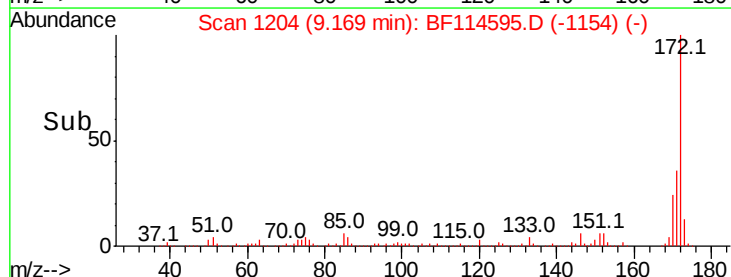


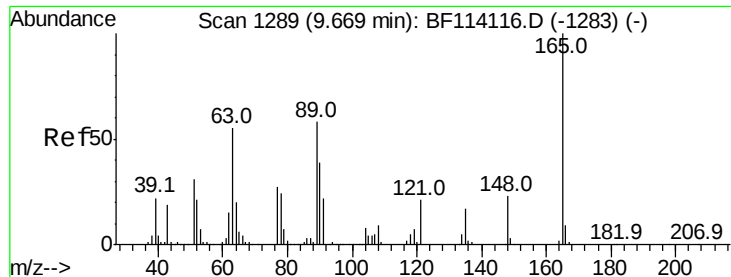
#45
 2-Fluorobiphenyl
 Concen: 81.576 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114595.D
 Acq: 25 May 2019 2:41

Tgt Ion:172 Resp: 1435271
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.7 46.1
 170 24.4 20.5 30.7



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

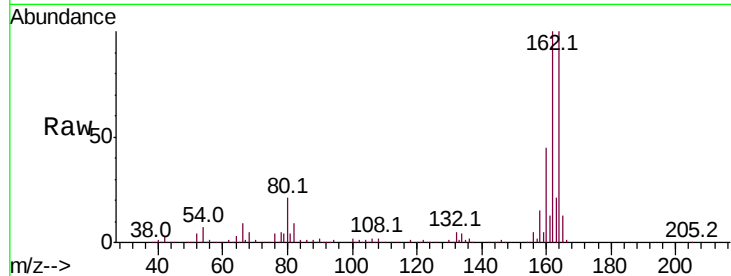




#51
 2,6-Dinitrotoluene
 Concen: 7.850 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF114595.D
 Acq: 25 May 2019 2:41

Instrument :
 BNA_F
 ClientSampled :
 TP-9-S

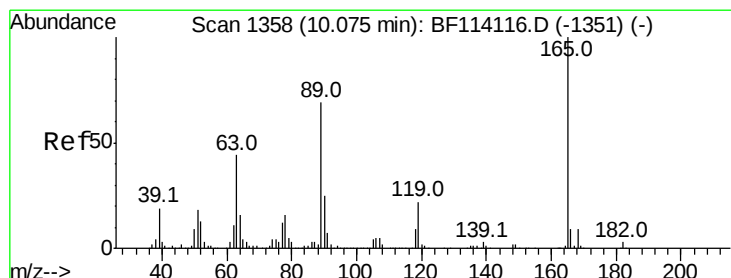
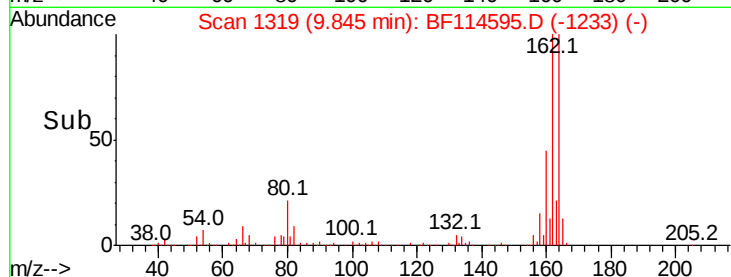
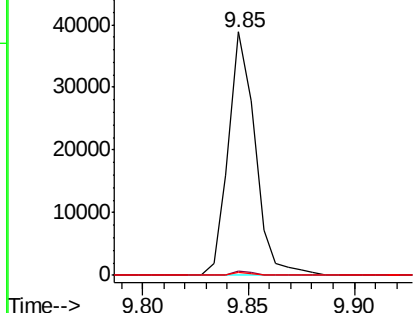
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	50.2	75.4#
89	1.4	46.6	69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

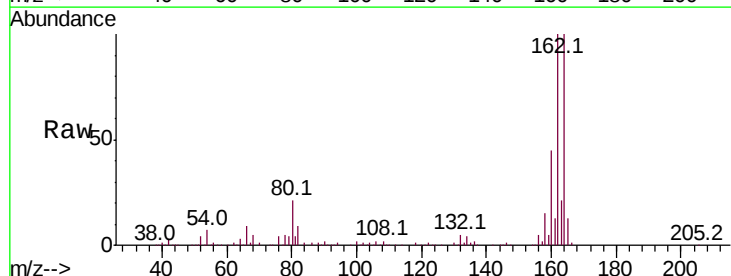
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 5.784 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF114595.D
 Acq: 25 May 2019 2:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.5	53.3#
89	1.4	55.2	82.8#
182	0.0	2.2	3.2#

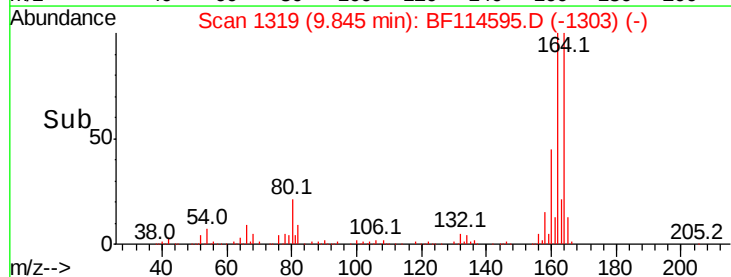
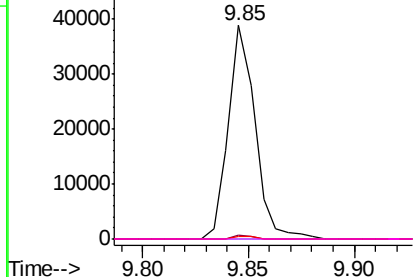


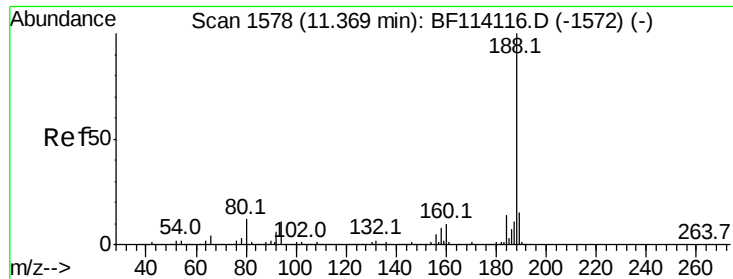
Abundance Ion 165.00 (164.70 to 165.70): E

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

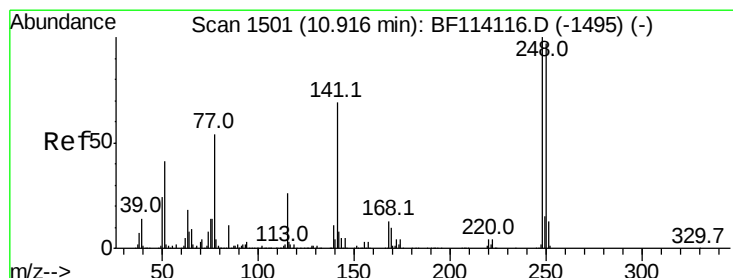
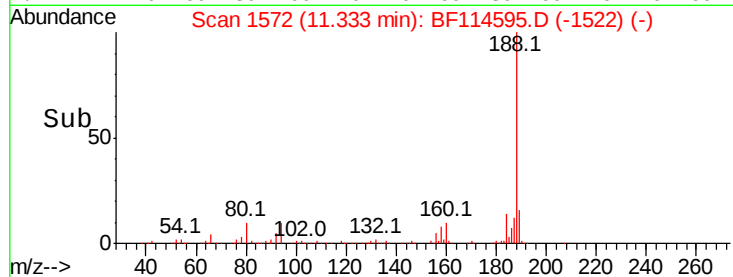
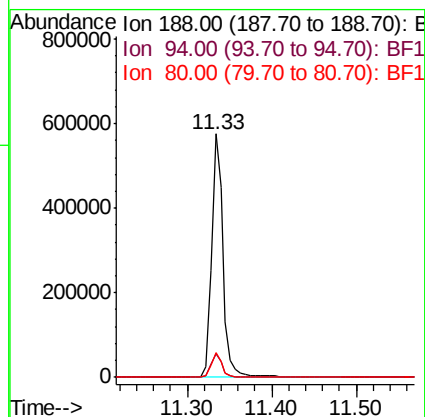
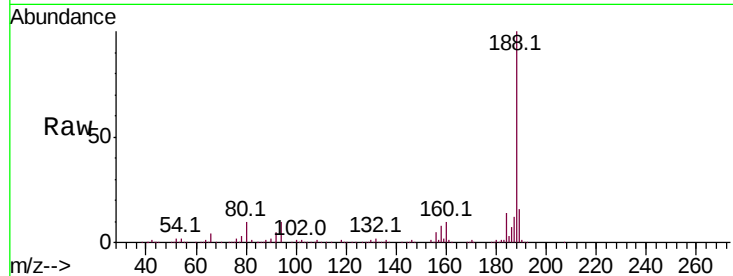




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF114595.D
Acq: 25 May 2019 2:41

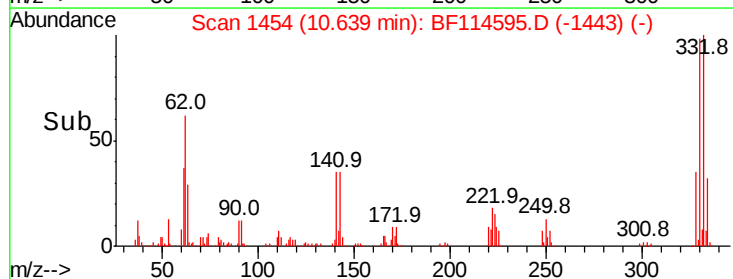
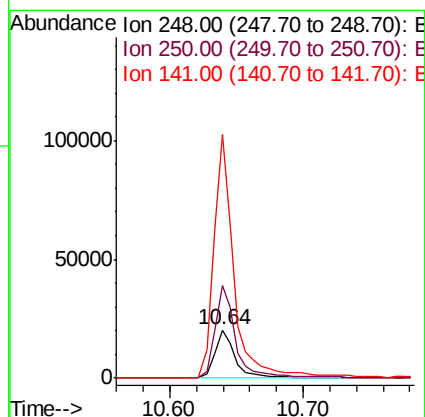
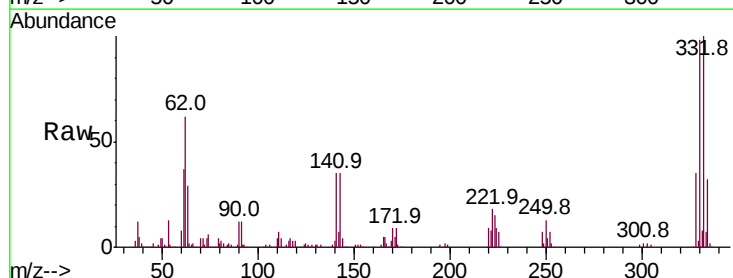
Instrument :
BNA_F
ClientSampleId :
TP-9-S

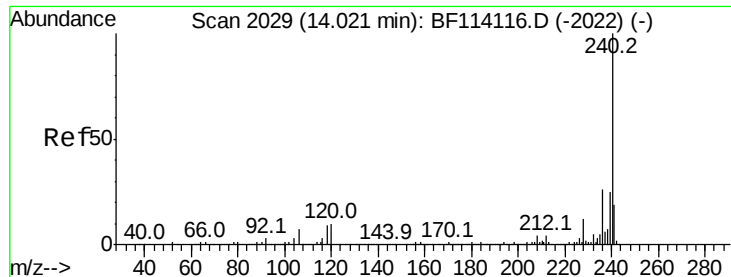
Tot Ion:188 Resp: 545266
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 10.4 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 3.646 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF114595.D
Acq: 25 May 2019 2:41

Tgt Ion:248 Resp: 21890
Ion Ratio Lower Upper
248 100
250 192.2 77.4 116.2#
141 504.8 55.6 83.4#

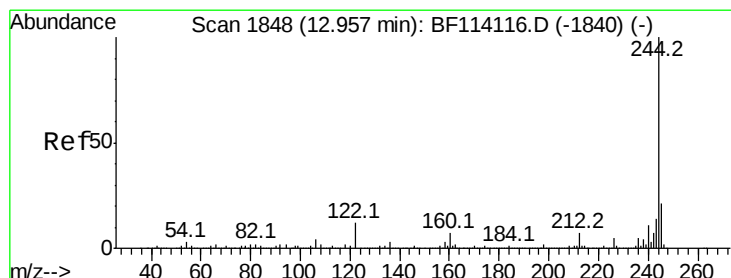
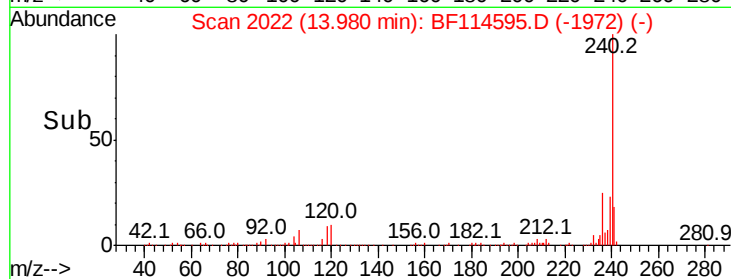
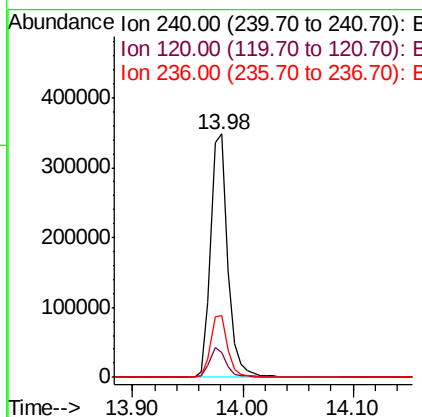
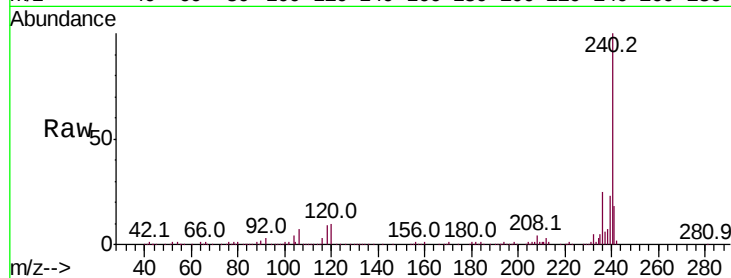




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF114595.D
 Acq: 25 May 2019 2:41

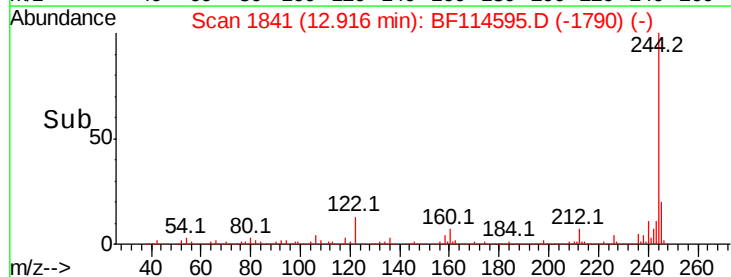
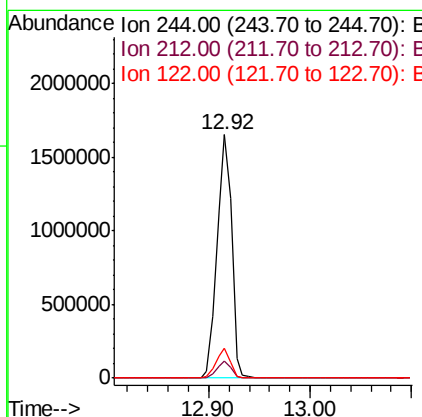
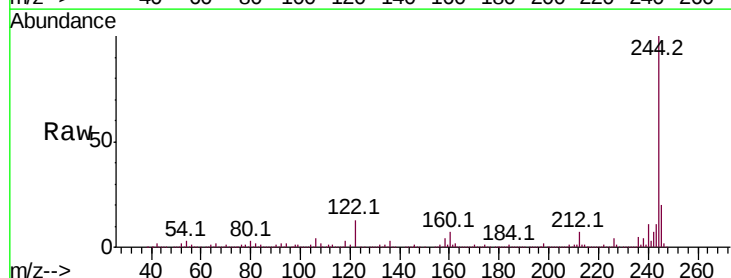
Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

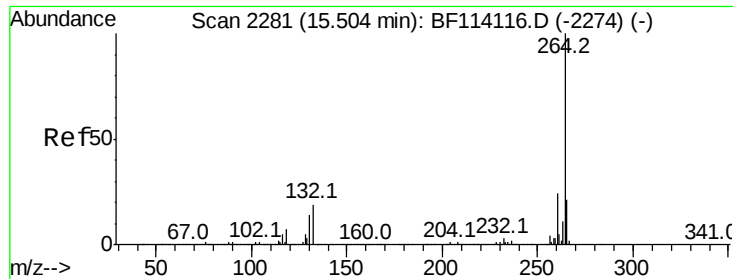
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.3	12.5
236	25.3	20.8	31.2



#79
 Terphenyl-d14
 Concen: 92.044 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF114595.D
 Acq: 25 May 2019 2:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.5	9.4	14.2





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114595.D
Acq: 25 May 2019 2:41

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.8	16.9	25.3

