

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071019\
 Data File : BF115453.D
 Acq On : 10 Jul 2019 14:02
 Operator : HP/JU
 Sample : PB121133BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 10 16:55:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	230932	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	892739	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	453289	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	861513	20.00	ng	0.00
76) Chrysene-d12	14.06	240	565230	20.00	ng	-0.01
87) Perylene-d12	15.55	264	497674	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1548144	103.58	ng	0.02
7) Phenol-d6	6.53	99	2020447	106.29	ng	0.00
23) Nitrobenzene-d5	7.46	82	1310797	86.75	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	582171	116.16	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2250435	87.12	ng	0.00
79) Terphenyl-d14	13.01	244	2368629	85.80	ng	0.00

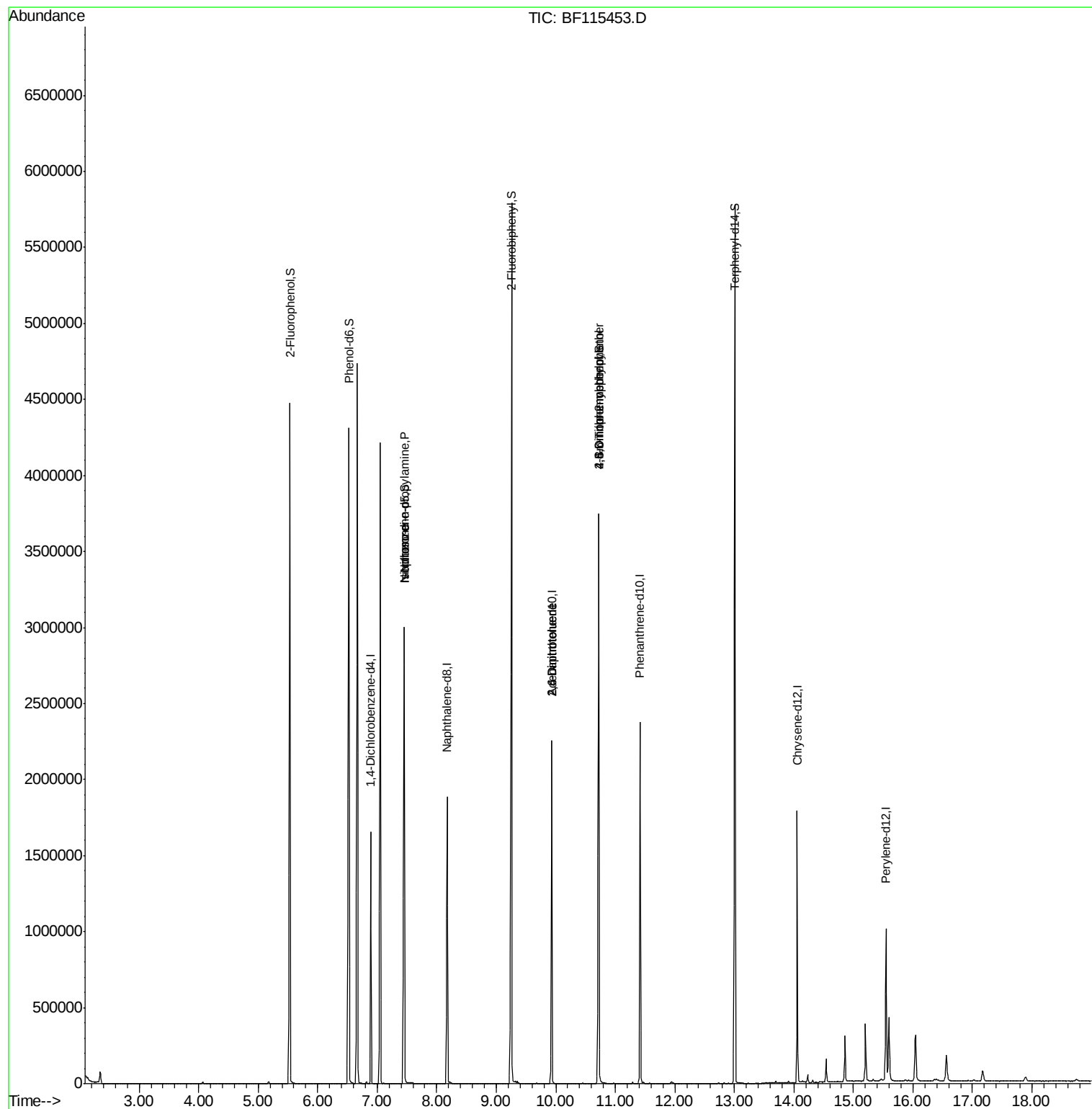
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2975	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.46	70	174833	13.595	ng	# 77
25) Isophorone	7.46	82	1267969	38.715	ng	# 64
51) 2,6-Dinitrotoluene	9.93	165	59220	8.026	ng	# 28
57) 2,4-Dinitrotoluene	9.93	165	59220	6.315	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	1129	8.047	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	34594	3.579	ng	# 1

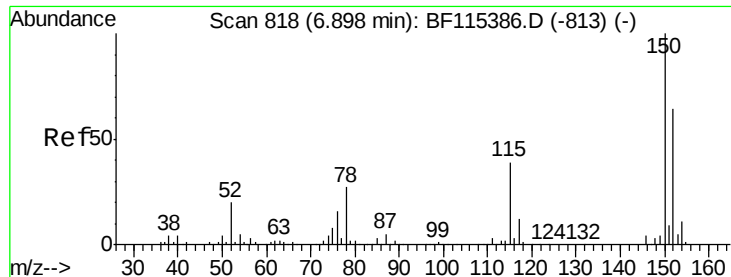
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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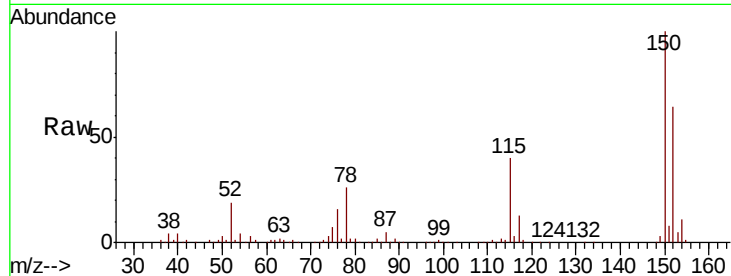


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.4	191.2
115	63.2	46.2	69.4

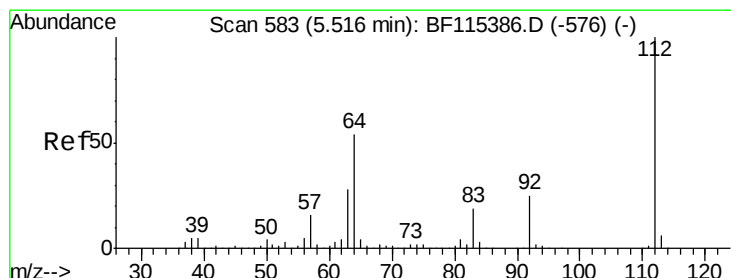
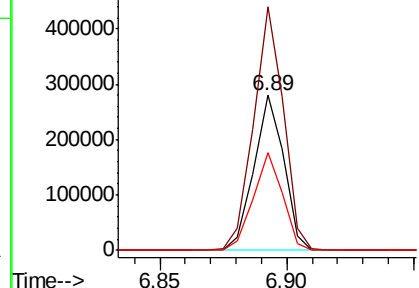
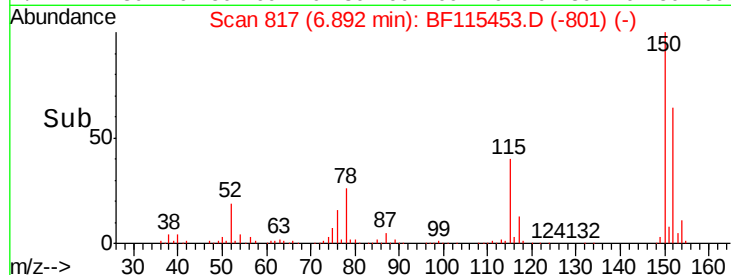


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

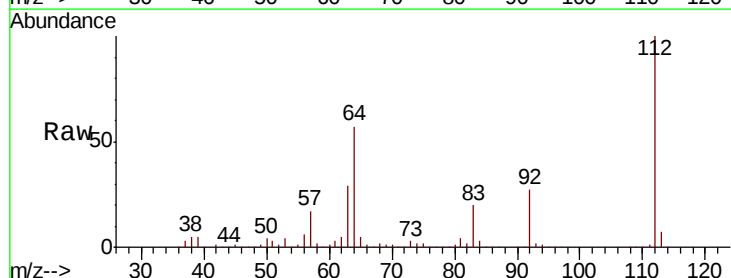
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.577 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	44.2	66.2
63	29.3	22.1	33.1

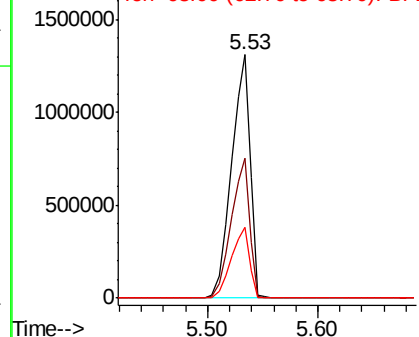
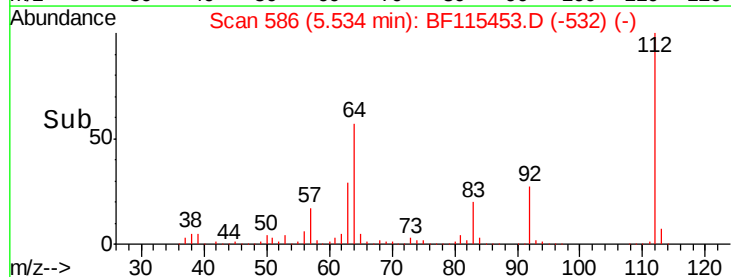


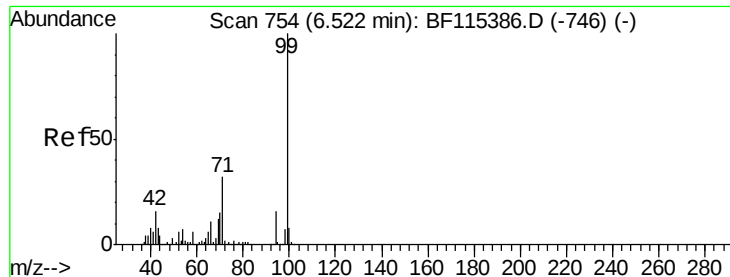
Abundance

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: 106.288 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF115453.D

Acq: 10 Jul 2019 14:02

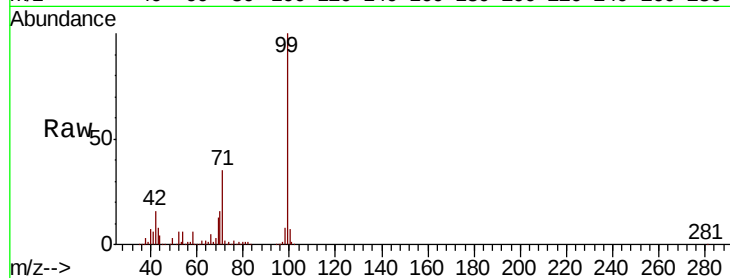
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2020447

Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.8	19.2
71	34.8	26.5	39.7

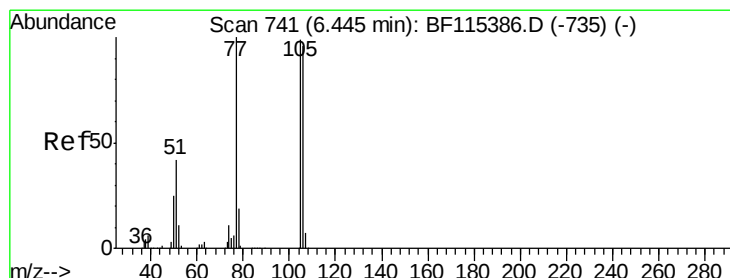
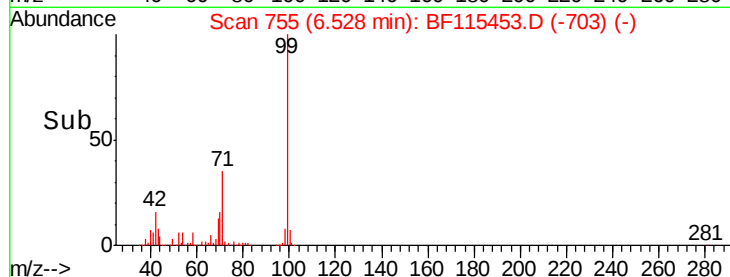
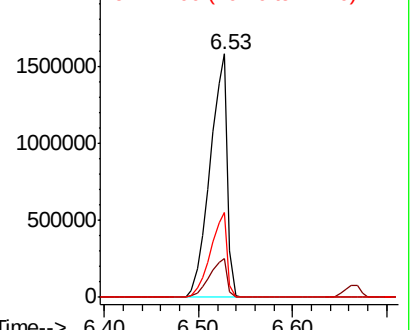


Abundance

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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.53 min Scan# 755

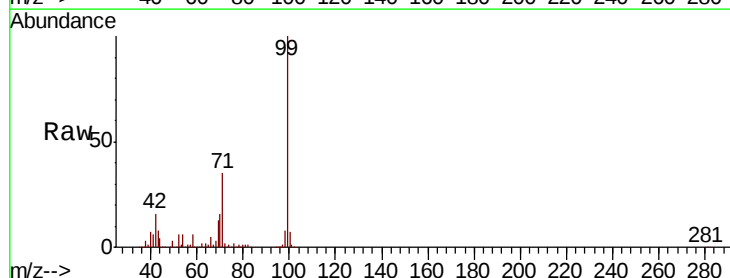
Delta R.T. 0.08 min

Lab File: BF115453.D

Acq: 10 Jul 2019 14:02

Tgt Ion: 77 Resp: 2975

Ion	Ratio	Lower	Upper
77	100		
105	0.0	82.9	122.9#
106	0.0	77.8	117.8#

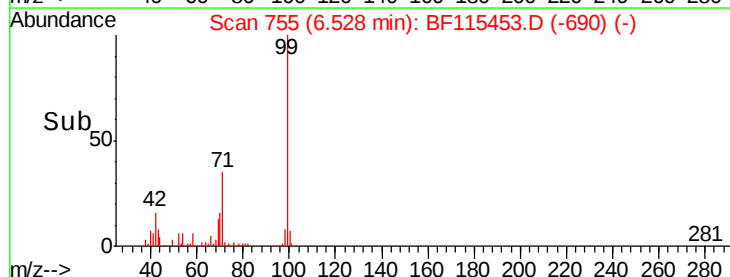
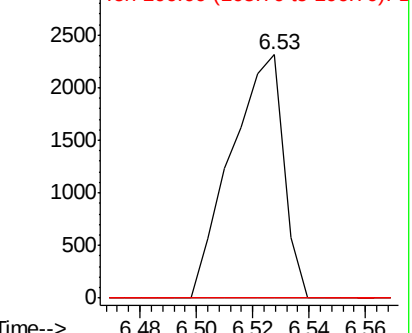


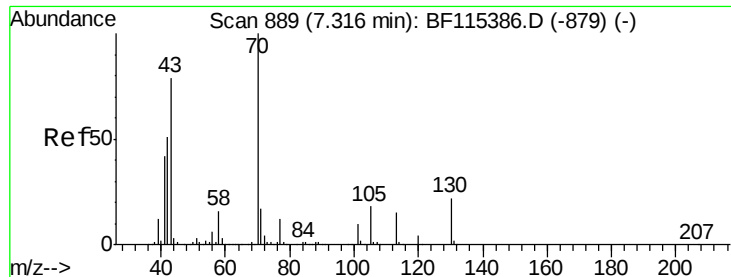
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.595 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF115453.D

Acq: 10 Jul 2019 14:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 174833

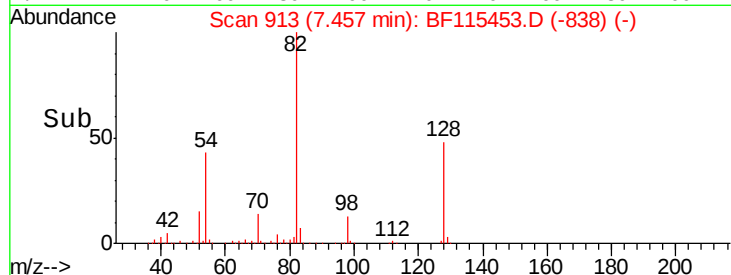
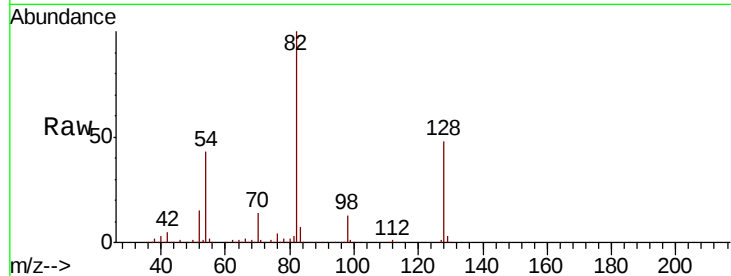
Ion Ratio Lower Upper

70 100

42 39.9 38.5 57.7

101 0.0 8.0 12.0#

130 2.4 19.1 28.7#

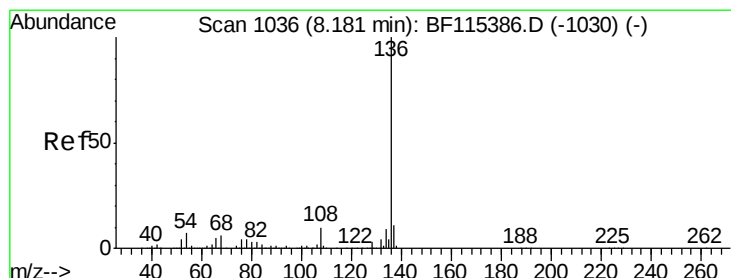
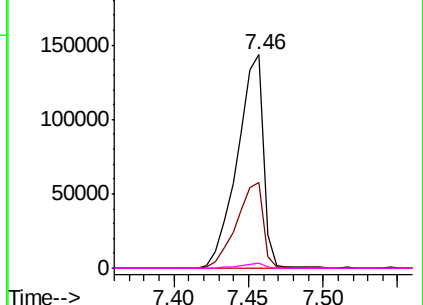


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115453.D

Acq: 10 Jul 2019 14:02

Tgt Ion: 136 Resp: 892739

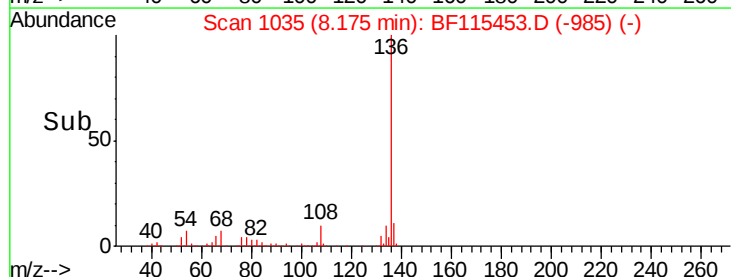
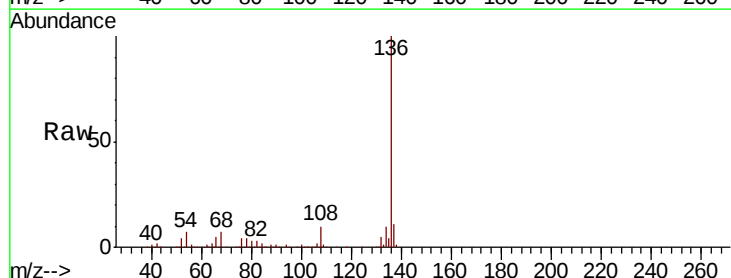
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.0 5.4 8.0

68 6.5 4.8 7.2

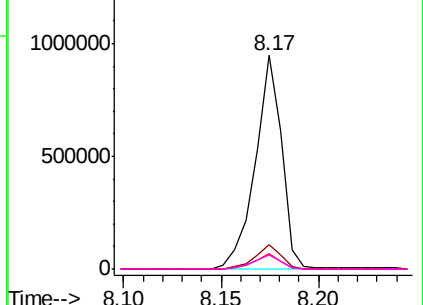


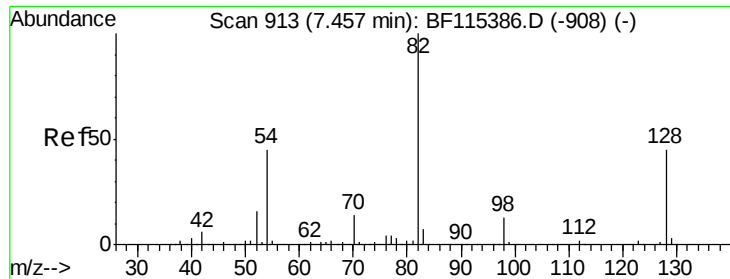
Abundance Ion 136.00 (135.70 to 136.70): E

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

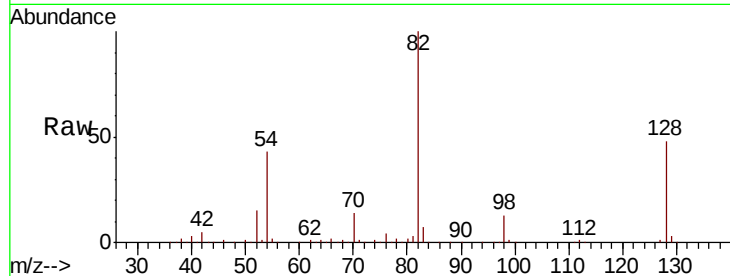




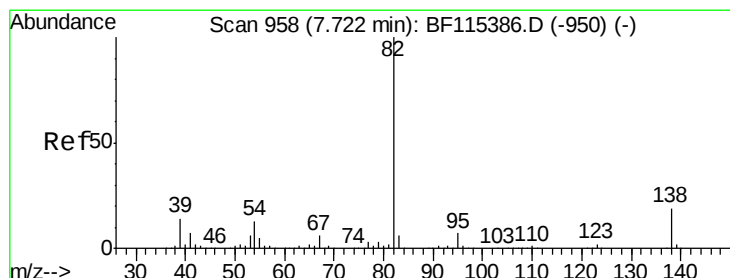
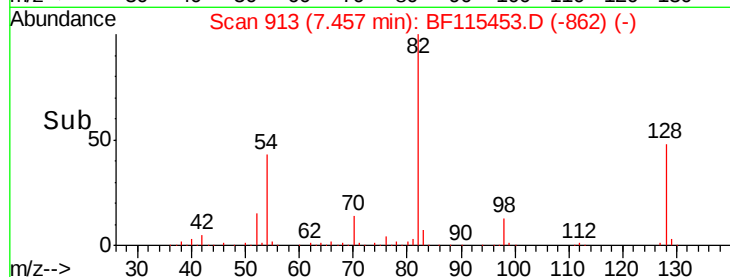
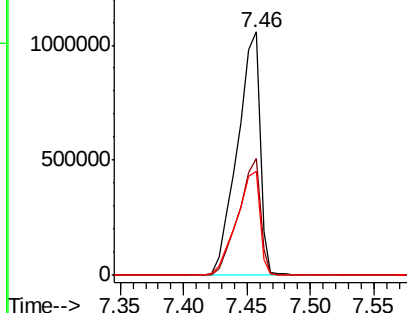
#23
 Nitrobenzene-d5
 Concen: 86.751 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1310797
 Ion Ratio Lower Upper
 82 100
 128 48.3 36.7 55.1
 54 43.0 35.6 53.4

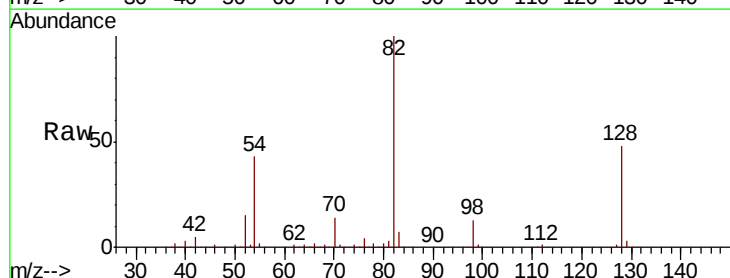


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

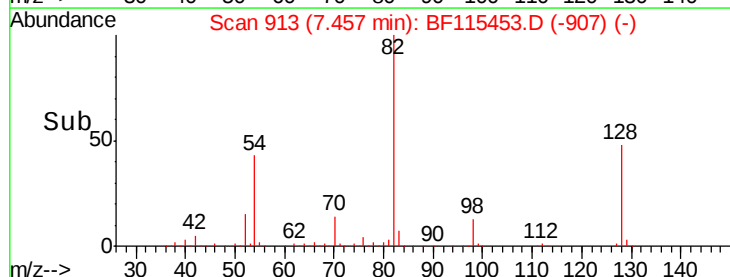
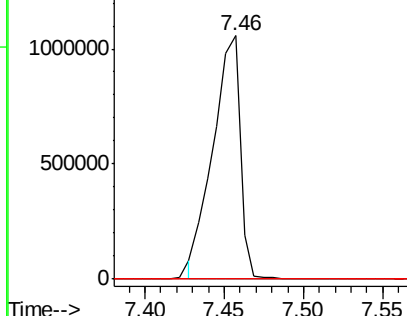


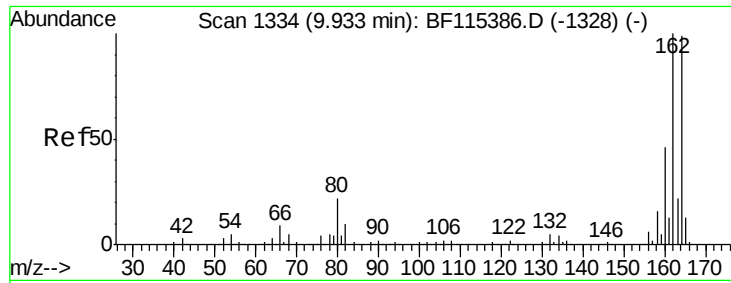
#25
 Isophorone
 Concen: 38.715 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

Tgt Ion: 82 Resp: 1267969
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

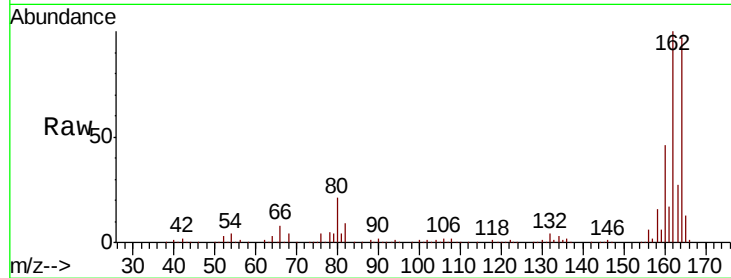




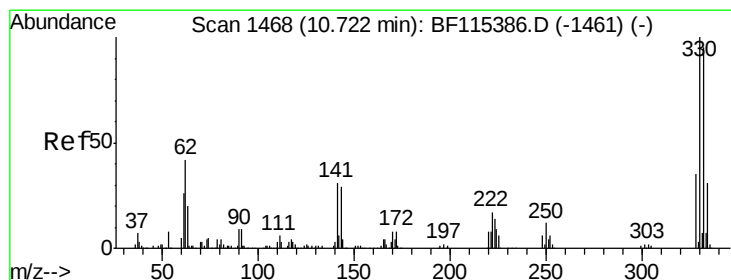
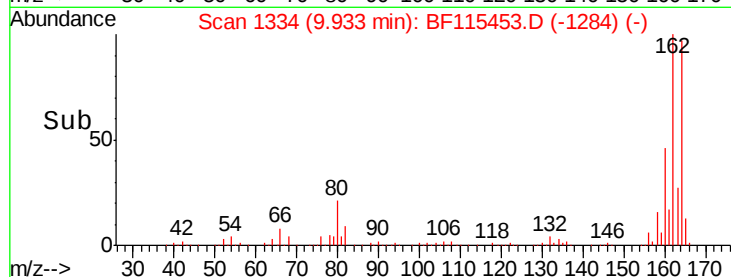
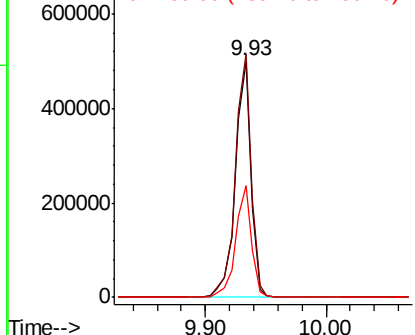
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 453289
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.3 123.5
 160 47.2 37.2 55.8

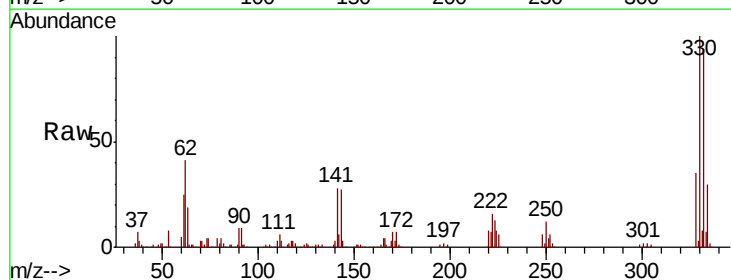


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

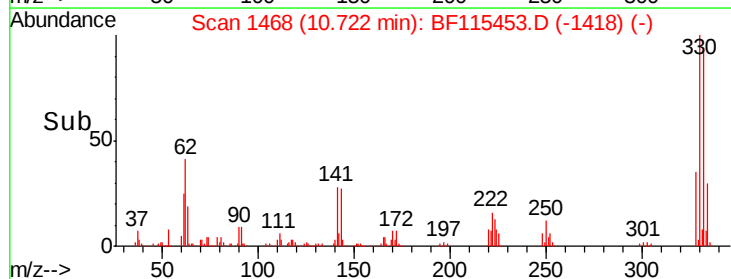
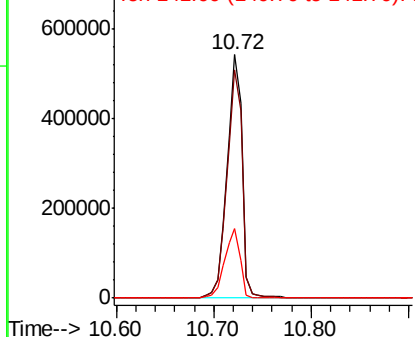


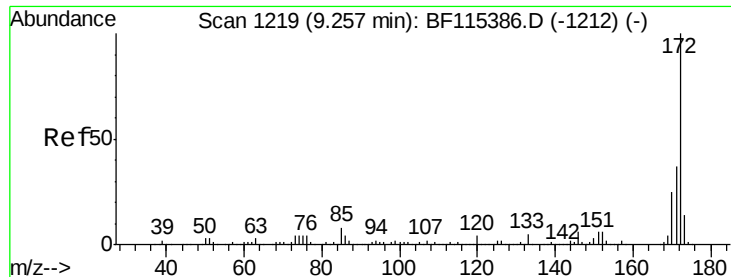
#42
 2,4,6-Tribromophenol
 Concen: 116.158 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

Tgt Ion:330 Resp: 582171
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.0
 141 29.3 24.7 37.1



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



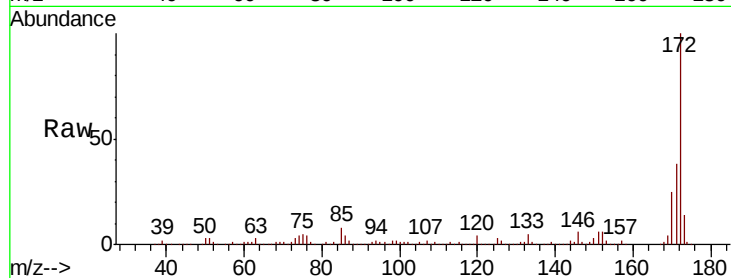


#45
 2-Fluorobiphenyl
 Concen: 87.118 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

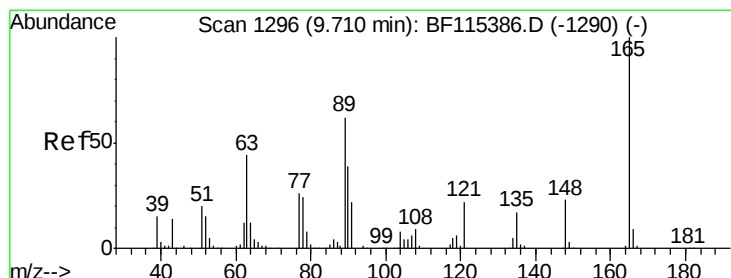
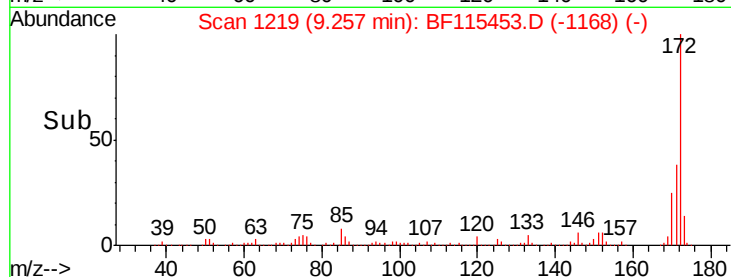
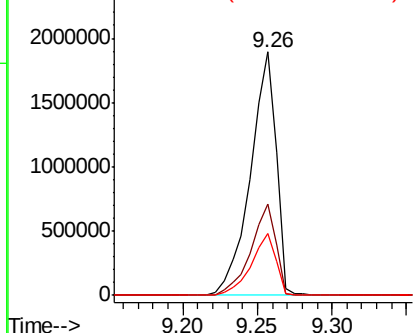
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2250435

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.8	44.8
170	25.2	20.0	30.0



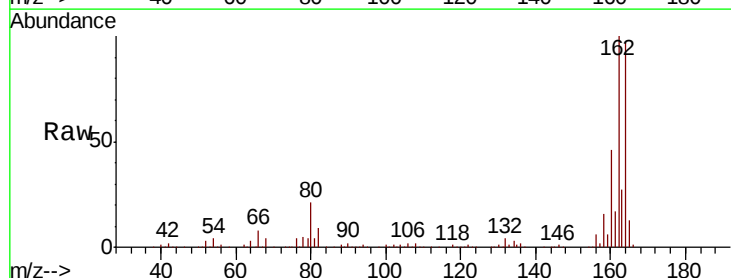
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



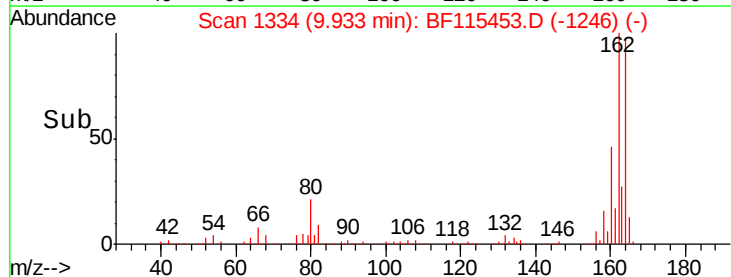
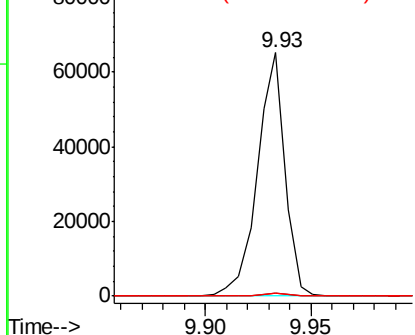
#51
 2,6-Dinitrotoluene
 Concen: 8.026 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

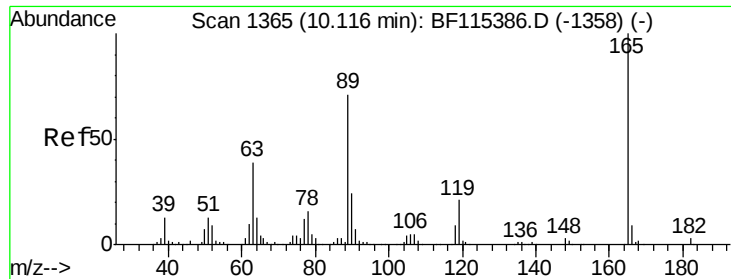
Tgt Ion:165 Resp: 59220

Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.7	59.5#
89	1.5	42.8	64.2#



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

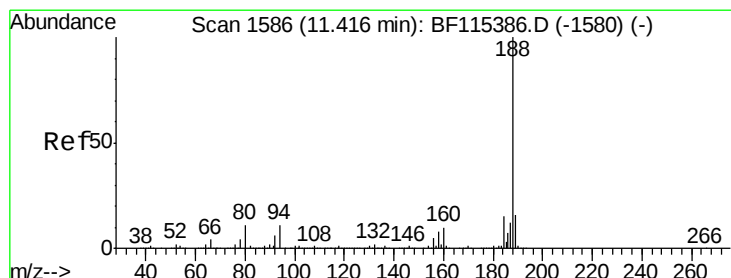
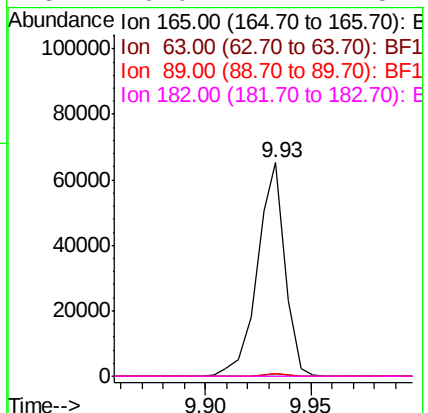
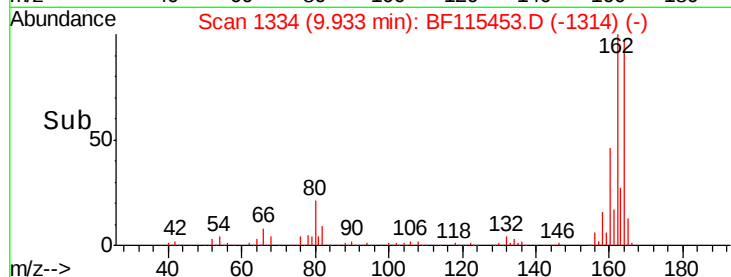
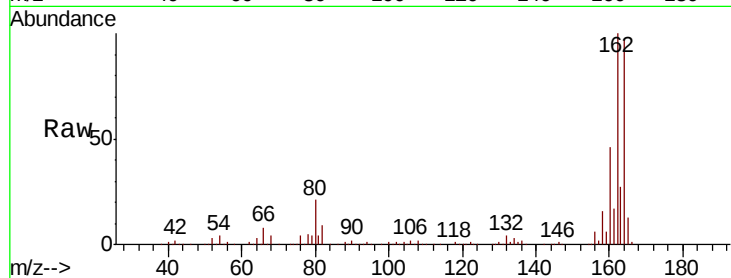




#57
 2,4-Dinitrotoluene
 Concen: 6.315 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

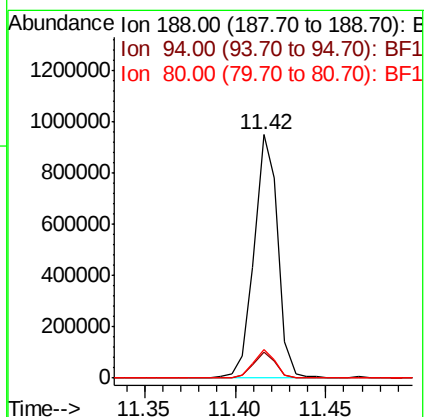
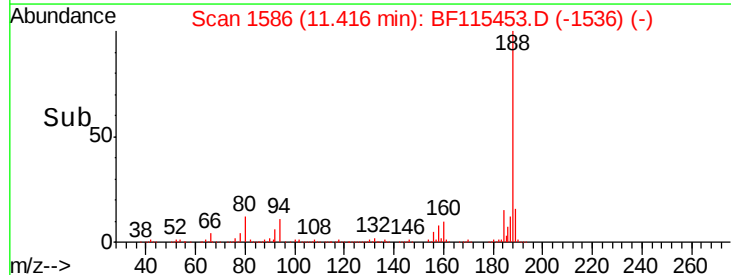
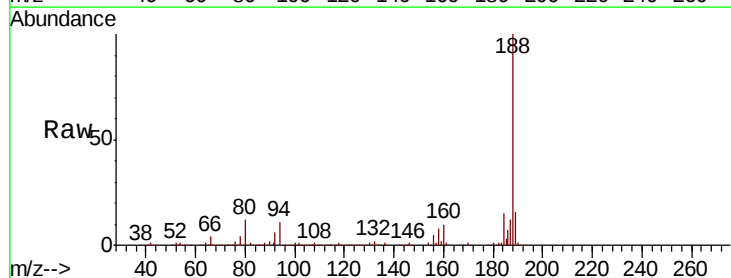
Instrument :
 BNA_F
 ClientSampleId :

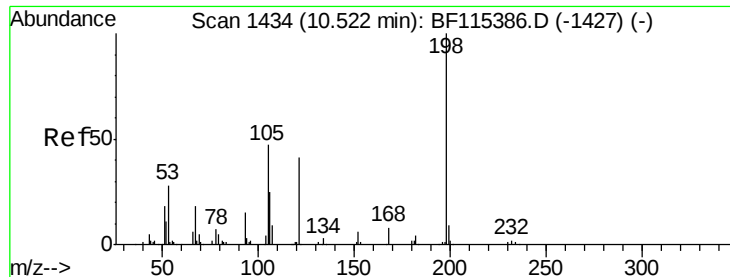
Tot Ion:165	Resp:	59220
Ion Ratio	Lower	Upper
165	100	
63	1.2	33.0 49.4#
89	1.5	58.5 87.7#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF115453.D
 Acq: 10 Jul 2019 14:02

Tgt Ion:188	Resp:	861513
Ion Ratio	Lower	Upper
188	100	
94	10.6	7.8 11.8
80	11.7	8.4 12.6

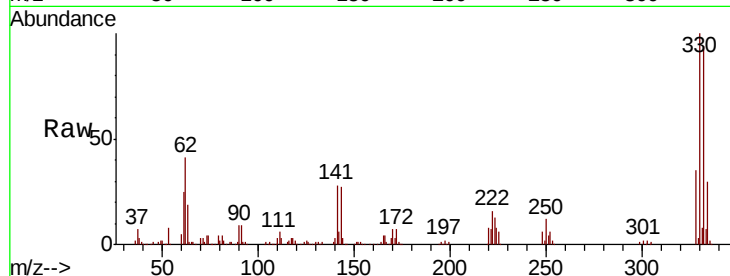




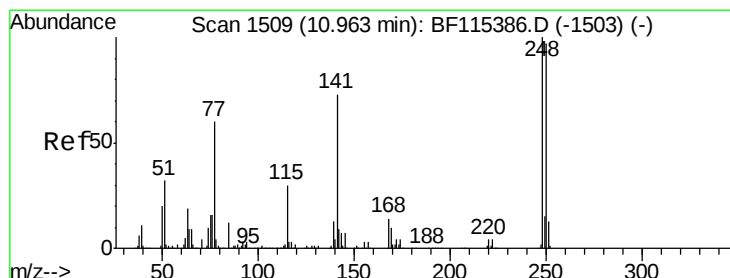
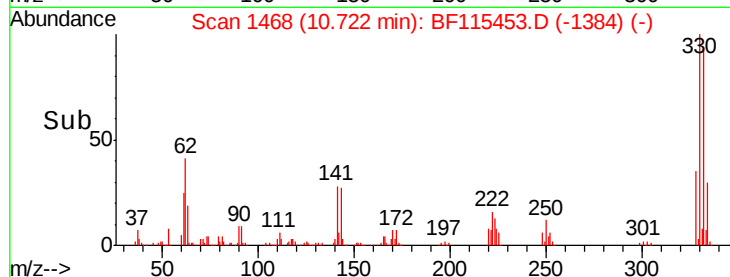
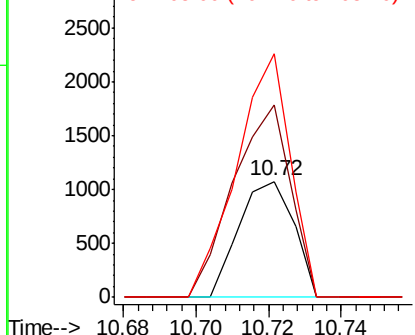
#65
4,6-Dinitro-2-methylphenol
Concen: 8.047 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 1129
Ion Ratio Lower Upper
198 100
51 166.8 20.7 60.7#
105 210.5 25.3 65.3#

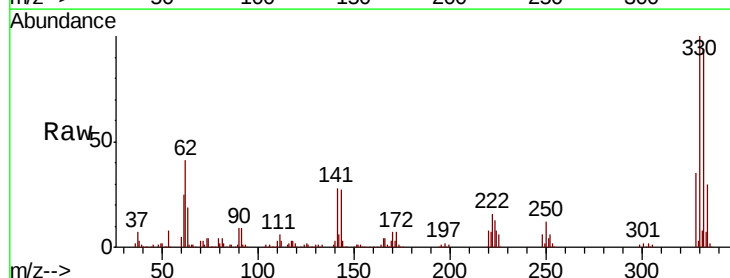


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

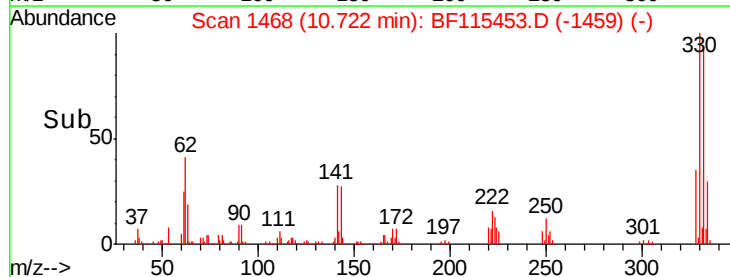
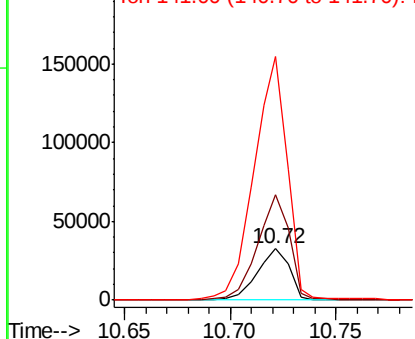


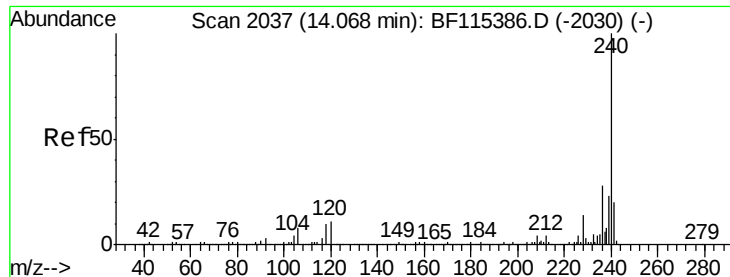
#67
4-Bromophenyl-phenylether
Concen: 3.579 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.25 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

Tgt Ion:248 Resp: 34594
Ion Ratio Lower Upper
248 100
250 206.6 78.3 117.5#
141 474.6 52.2 78.2#



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

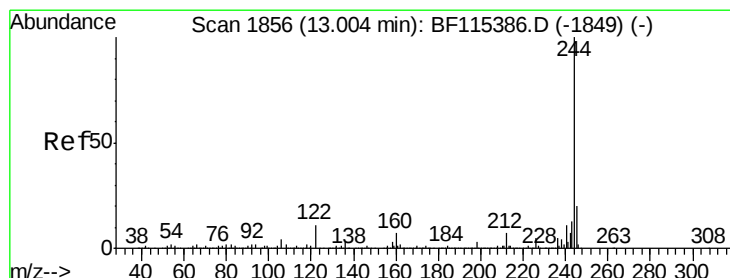
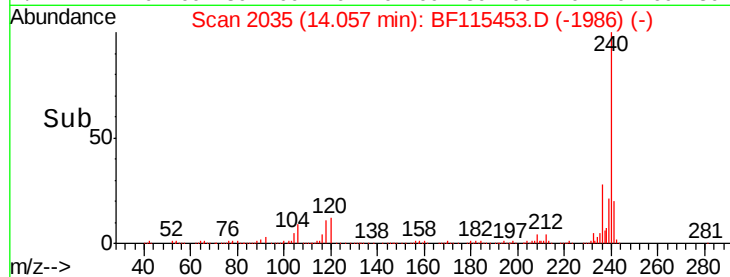
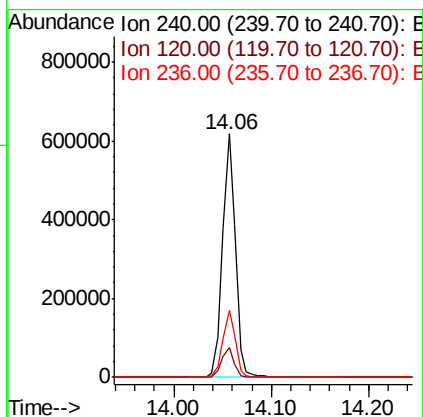
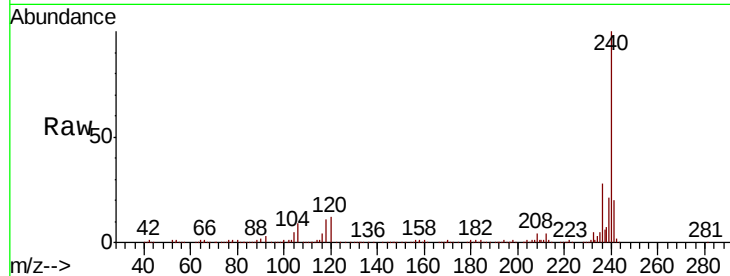




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

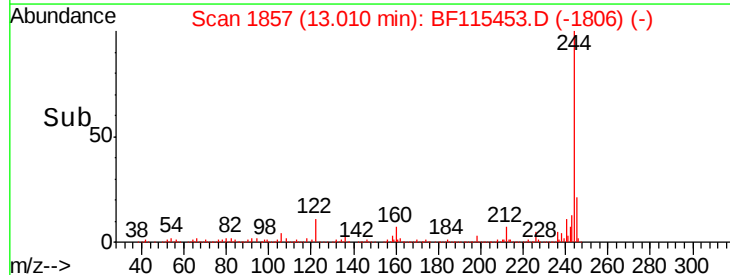
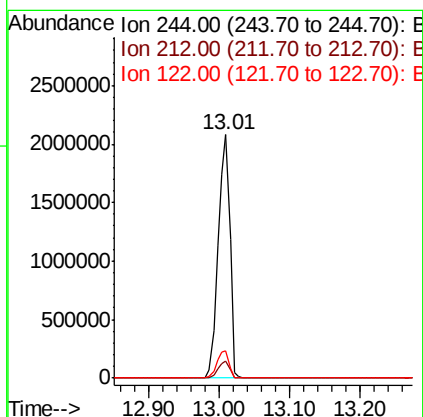
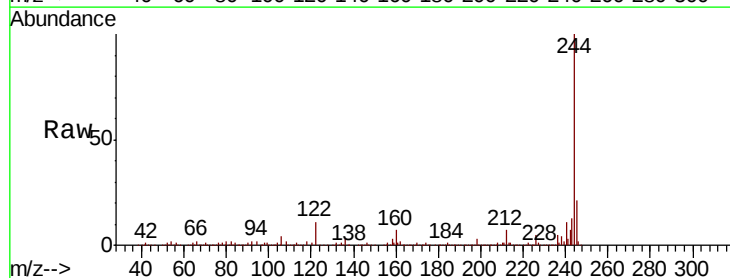
Instrument :
BNA_F
ClientSampleId :

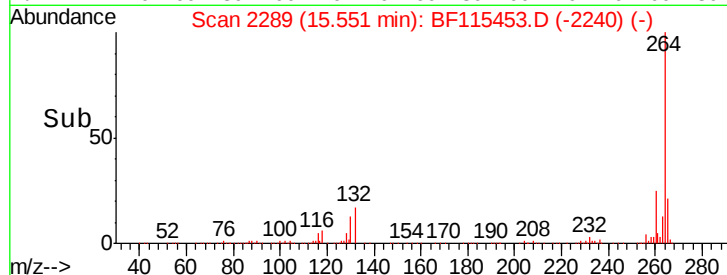
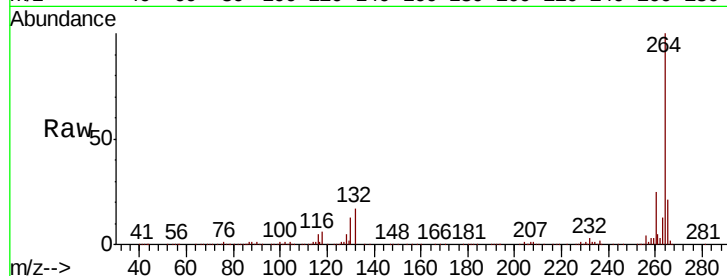
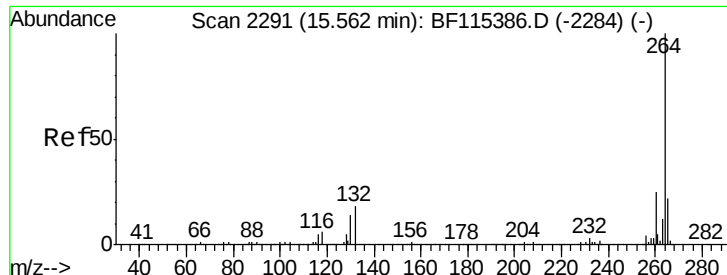
Tot Ion:240 Resp: 565230
Ion Ratio Lower Upper
240 100
120 12.5 10.2 15.4
236 27.7 21.1 31.7



#79
Terphenyl-d14
Concen: 85.802 ng
RT: 13.01 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

Tgt Ion:244 Resp: 2368629
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 11.1 9.1 13.7





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF115453.D
Acq: 10 Jul 2019 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	497674
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.2	17.8	26.6

