

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\
 Data File : BF115401.D
 Acq On : 8 Jul 2019 12:20
 Operator : HP/JU
 Sample : PB121089BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 08 14:45:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 08 14:37:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	221166	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	867273	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	430601	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	824993	20.00	ng	0.00
76) Chrysene-d12	14.06	240	582065	20.00	ng	-0.02
87) Perylene-d12	15.56	264	517593	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1611303	112.56	ng	0.01
7) Phenol-d6	6.53	99	2077866	114.14	ng	0.00
23) Nitrobenzene-d5	7.46	82	1323062	90.13	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	575503	120.88	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2260128	92.10	ng	0.00
79) Terphenyl-d14	13.00	244	2457573	86.45	ng	0.00

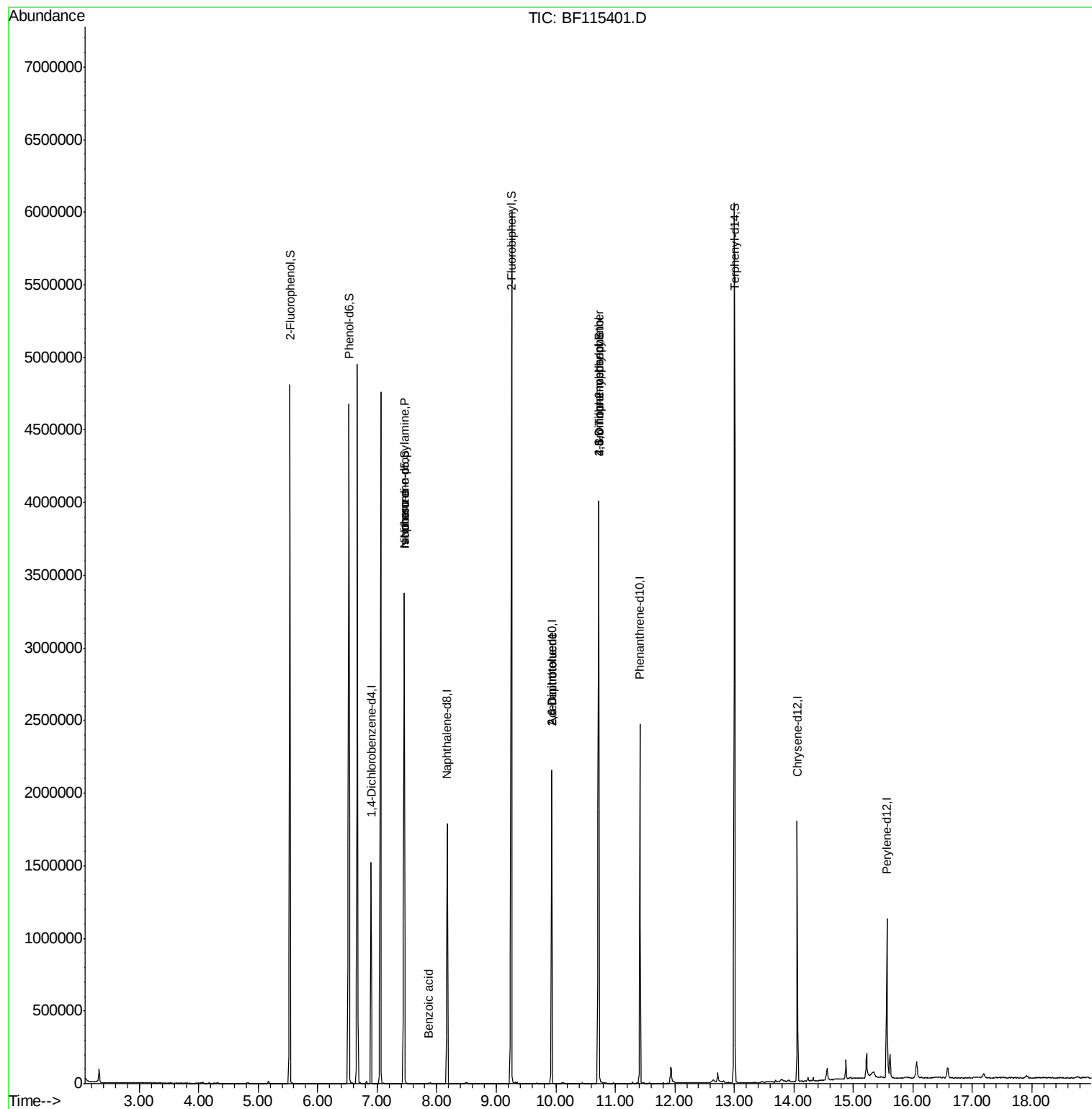
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	3174	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.46	70	179695	14.590	ng	# 76
25) Isophorone	7.46	82	1310866	41.201	ng	# 65
32) Benzoic acid	7.85	122	145	6.055	ng	# 1
51) 2,6-Dinitrotoluene	9.93	165	56209	8.019	ng	# 23
57) 2,4-Dinitrotoluene	9.93	165	56209	6.310	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.72	198	1190	8.070	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	34507	3.728	ng	# 1

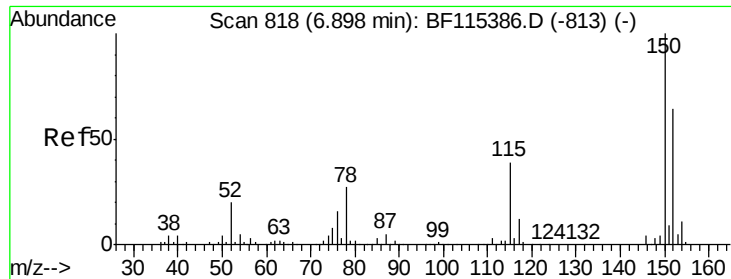
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\
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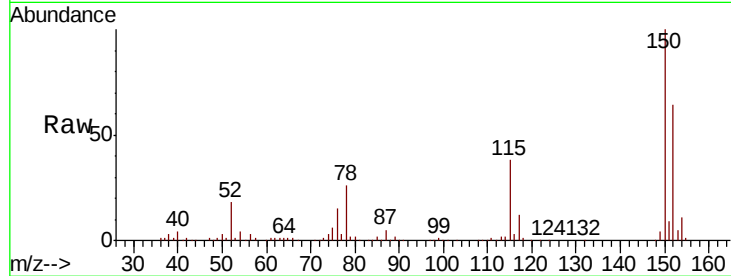


#1

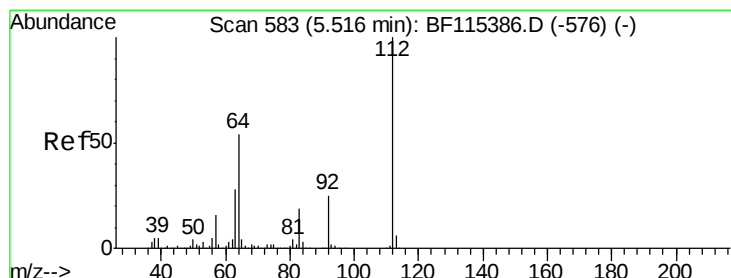
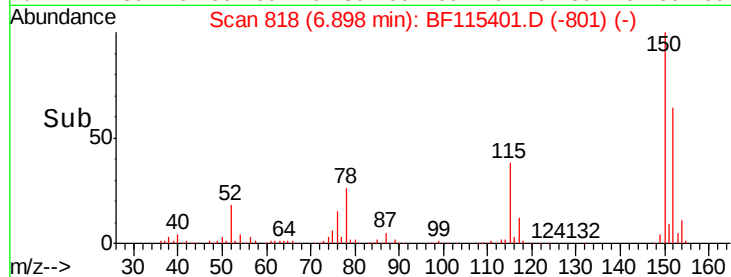
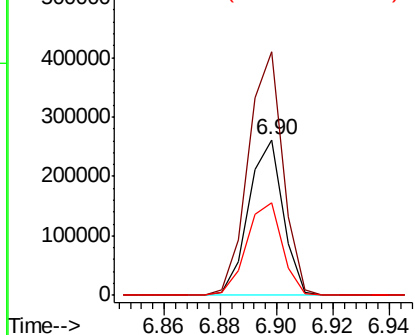
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 221166
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 59.3 50.2 75.2



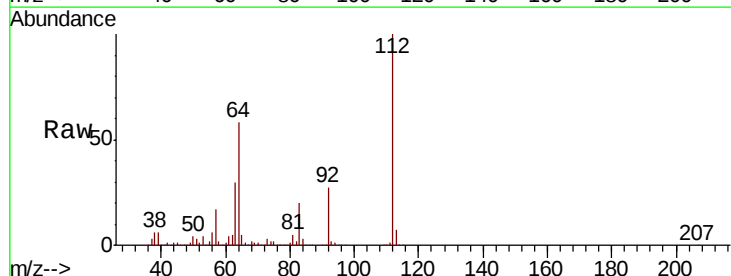
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



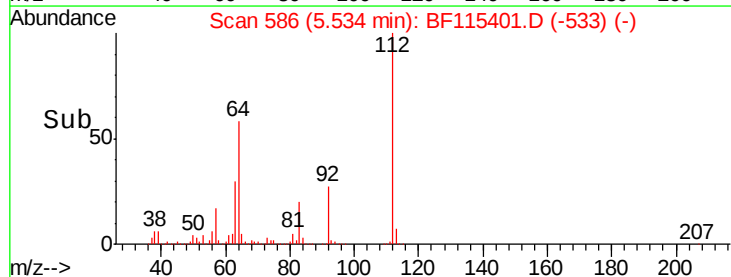
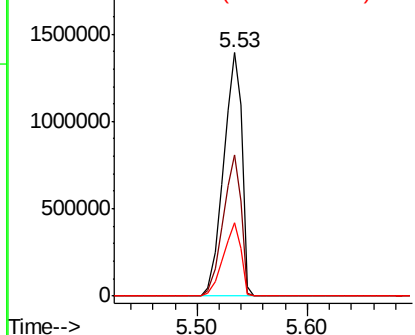
#5

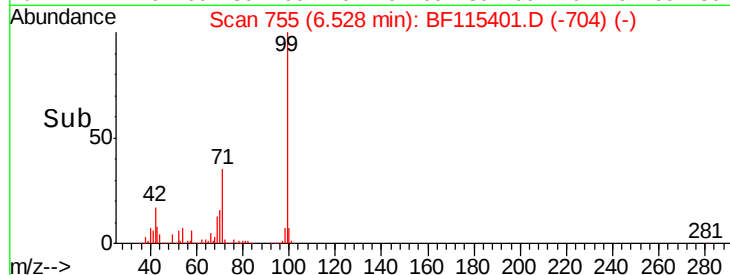
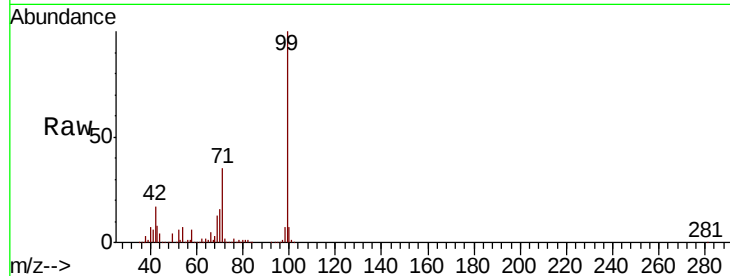
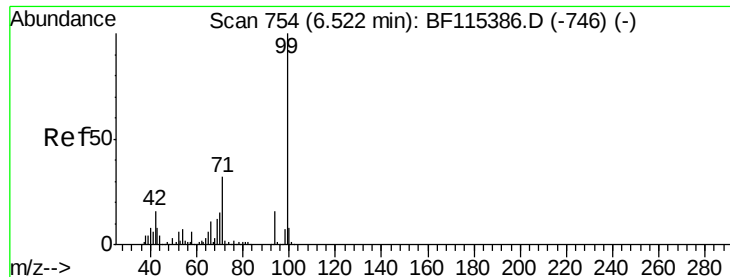
2-Fluorophenol
Concen: 112.563 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.01 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Tgt Ion:112 Resp: 1611303
Ion Ratio Lower Upper
112 100
64 58.1 43.4 65.2
63 30.0 22.4 33.6



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: 114.135 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF115401.D

Acq: 8 Jul 2019 12:20

Tot Ion: 99 Resp: 2077866

Ion Ratio Lower Upper

99 100

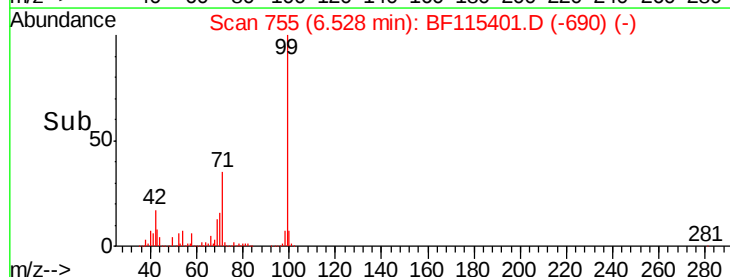
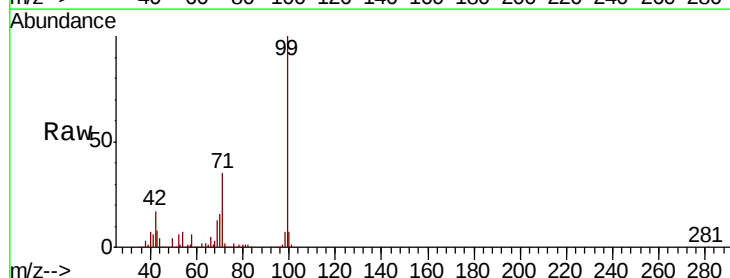
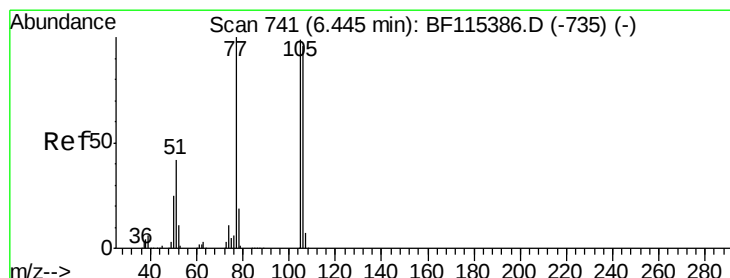
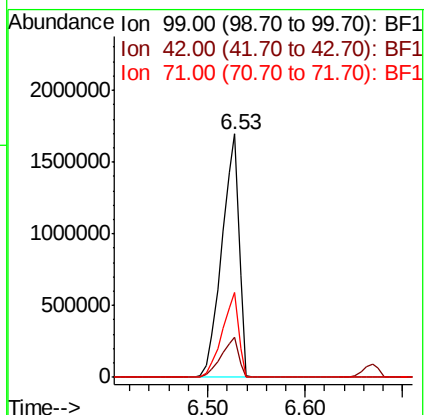
42 16.7 13.4 20.0

71 34.7 26.5 39.7

Instrument :

BNA_F

ClientSampled :



#9

Benzaldehyde

Concen: Below Cal

RT: 6.53 min Scan# 755

Delta R.T. 0.08 min

Lab File: BF115401.D

Acq: 8 Jul 2019 12:20

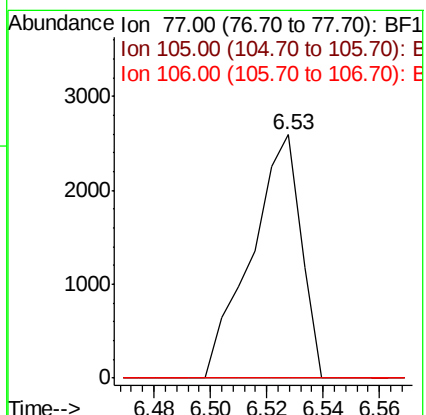
Tgt Ion: 77 Resp: 3174

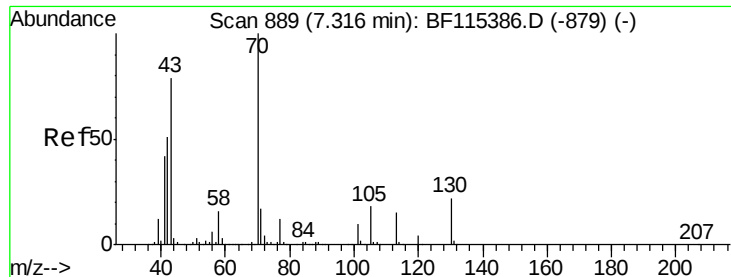
Ion Ratio Lower Upper

77 100

105 0.0 77.6 117.6#

106 0.0 73.3 113.3#





#19

n-Nitroso-di-n-propylamine

Concen: 14.590 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF115401.D

Acq: 8 Jul 2019 12:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 179695

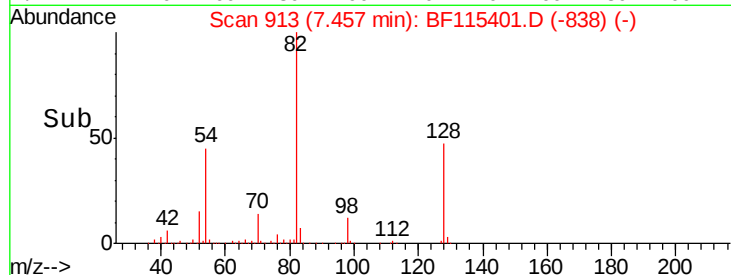
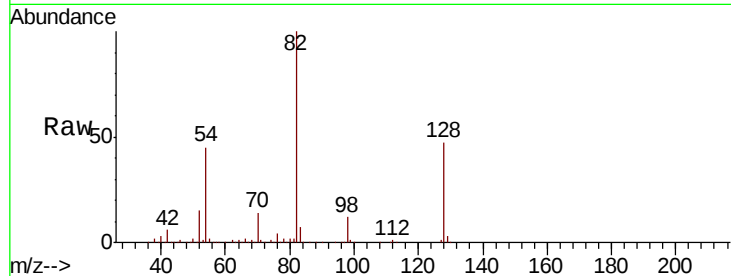
Ion Ratio Lower Upper

70 100

42 40.6 42.3 63.5#

101 0.0 7.6 11.4#

130 2.3 17.0 25.4#

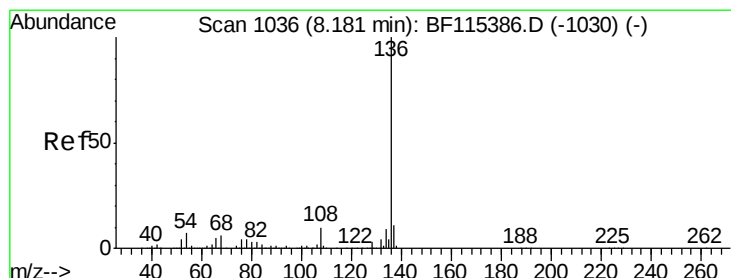
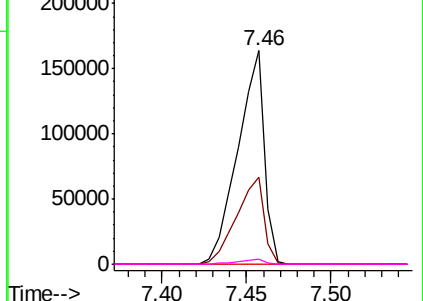


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115401.D

Acq: 8 Jul 2019 12:20

Tgt Ion: 136 Resp: 867273

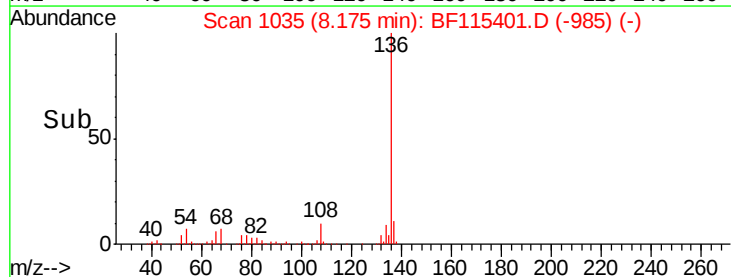
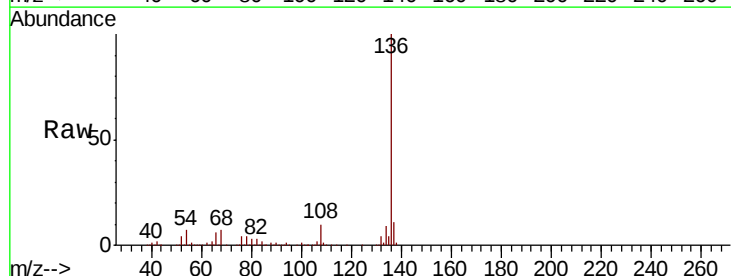
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.3 6.1 9.1

68 6.7 5.4 8.0

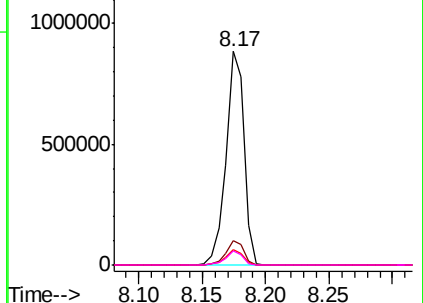


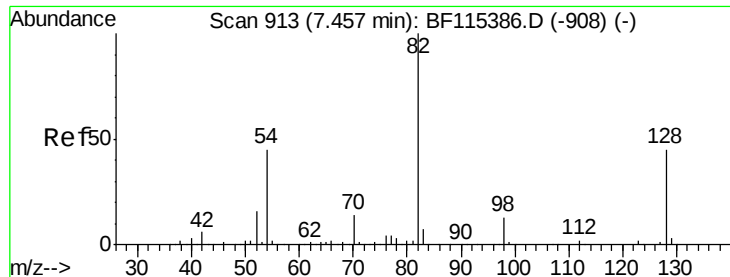
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

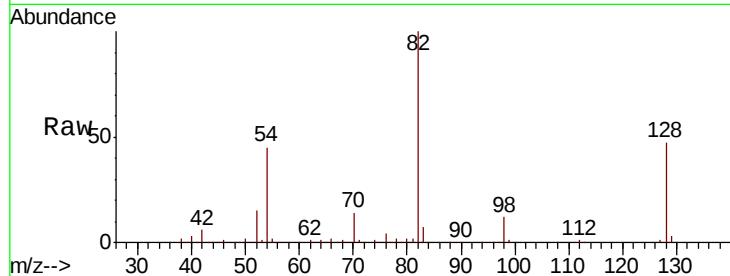




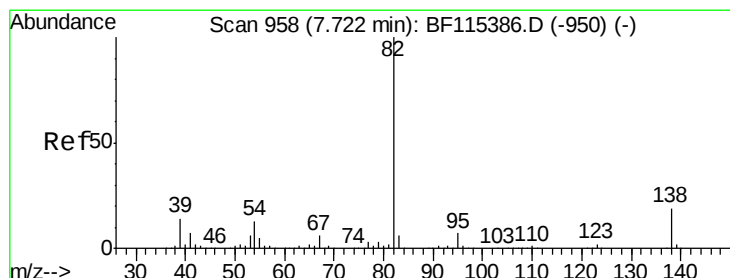
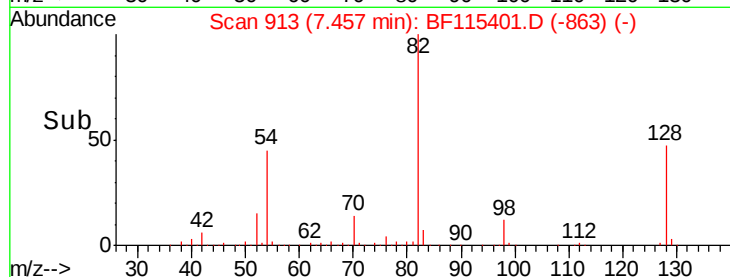
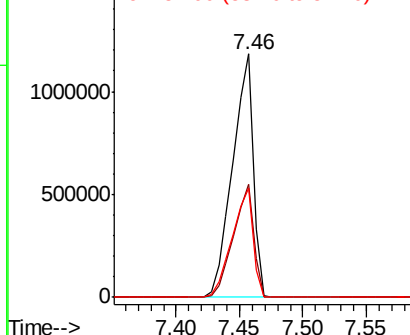
#23
Nitrobenzene-d5
Concen: 90.134 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1323062
Ion Ratio Lower Upper
82 100
128 46.5 36.2 54.4
54 44.9 35.8 53.6

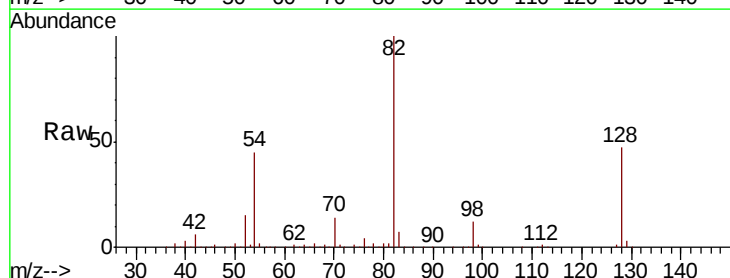


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

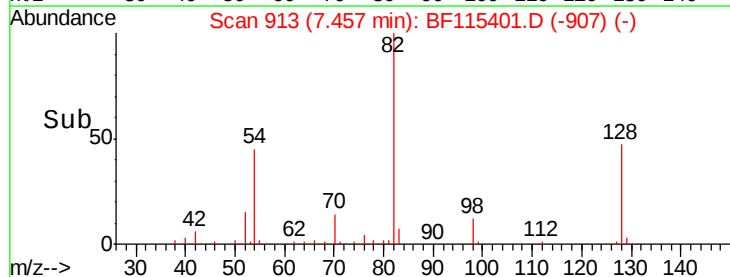
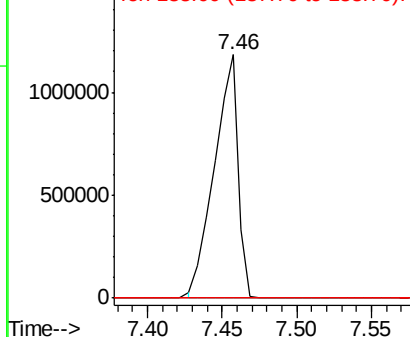


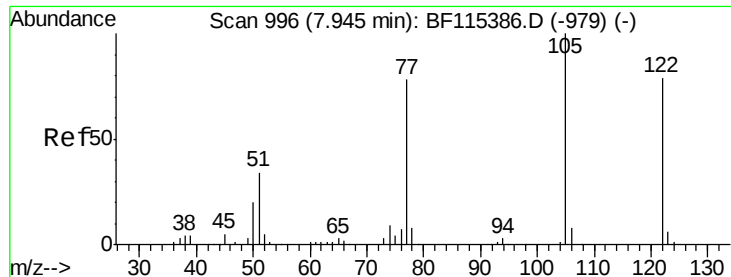
#25
Isophorone
Concen: 41.201 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Tgt Ion: 82 Resp: 1310866
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.3 21.5#



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

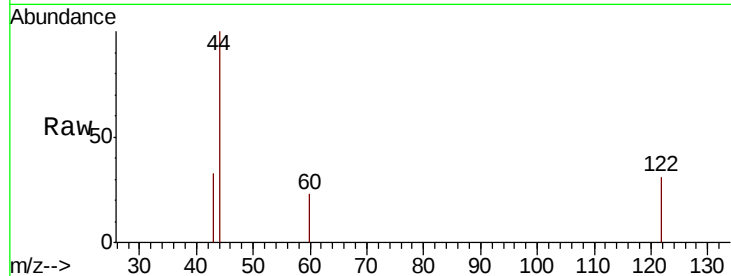




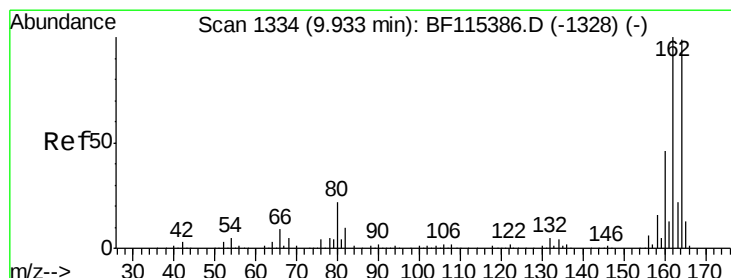
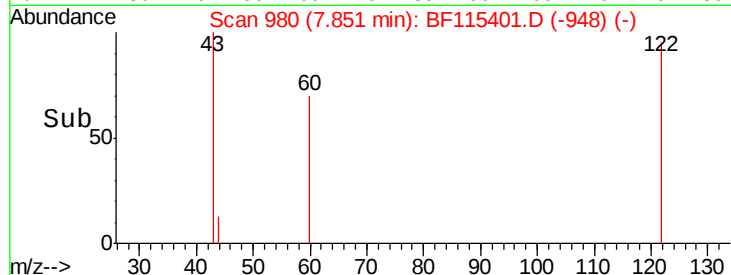
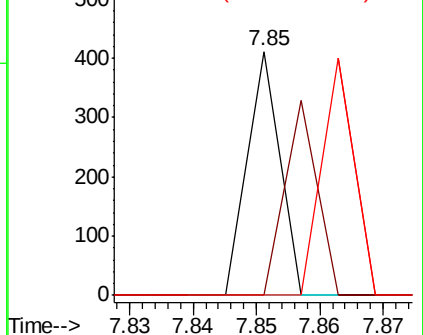
#32
Benzoic acid
Concen: 6.055 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.11 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 145
Ion Ratio Lower Upper
122 100
105 0.0 102.2 142.2#
77 0.0 73.6 113.6#

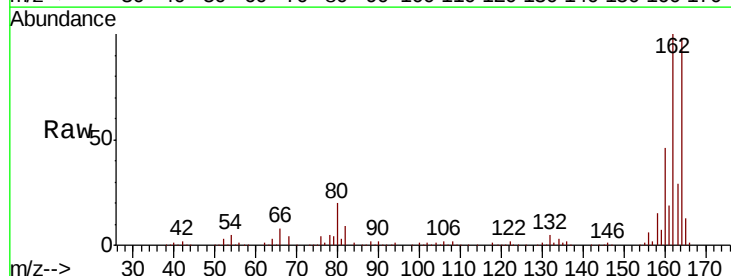


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

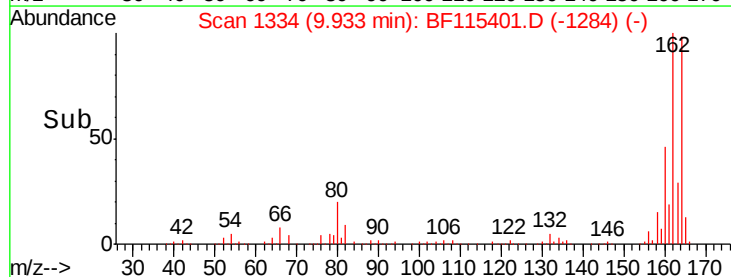
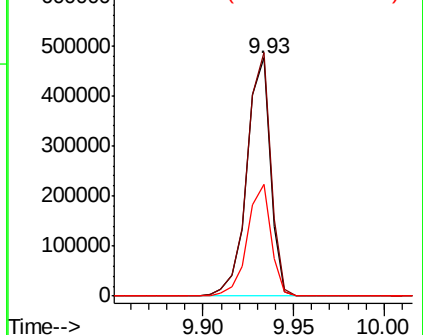


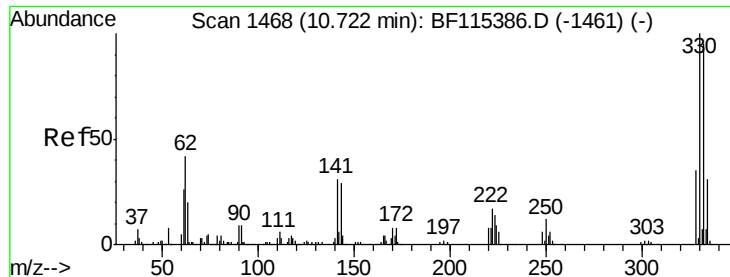
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Tgt Ion:164 Resp: 430601
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 46.9 37.5 56.3



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

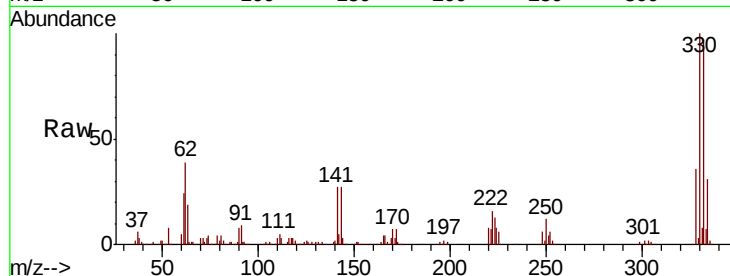




#42
 2,4,6-Tribromophenol
 Concen: 120.878 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BF115401.D
 Acq: 8 Jul 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.5	116.3
141	30.5	25.8	38.6

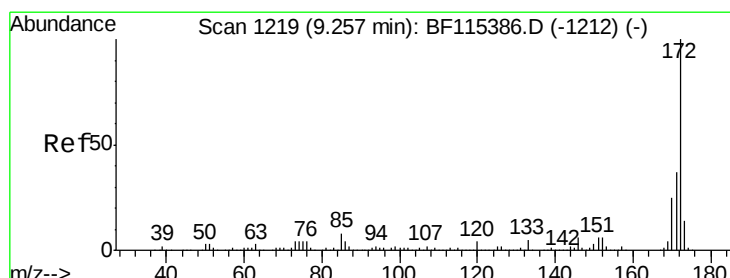
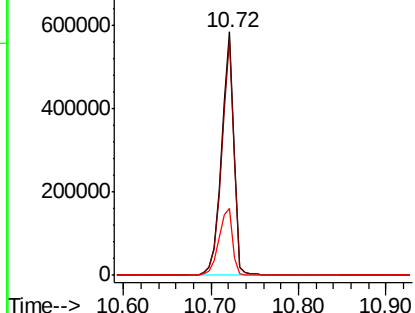
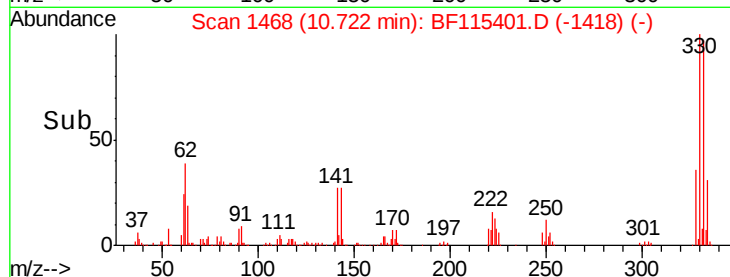


Abundance

Ion 329.80 (329.50 to 330.50): E

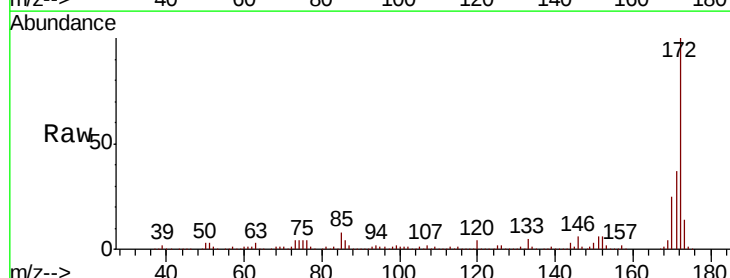
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.103 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF115401.D
 Acq: 8 Jul 2019 12:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	24.9	20.2	30.2

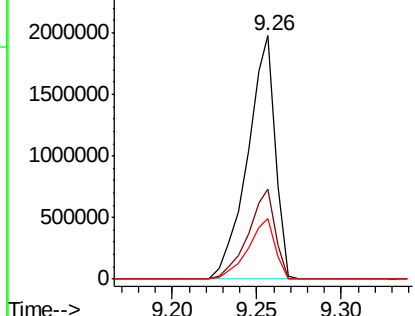
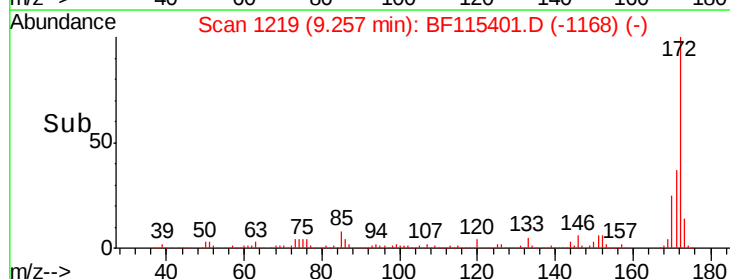


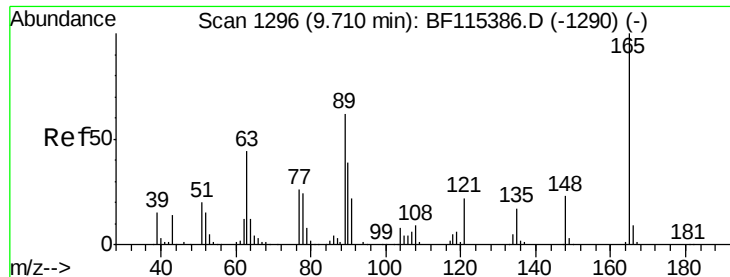
Abundance

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: 8.019 ng

RT: 9.93 min Scan# 1334

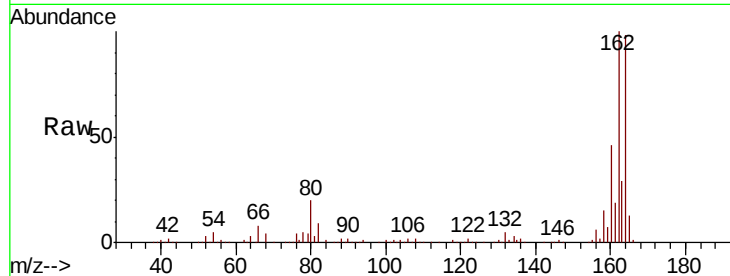
Delta R.T. 0.22 min

Lab File: BF115401.D

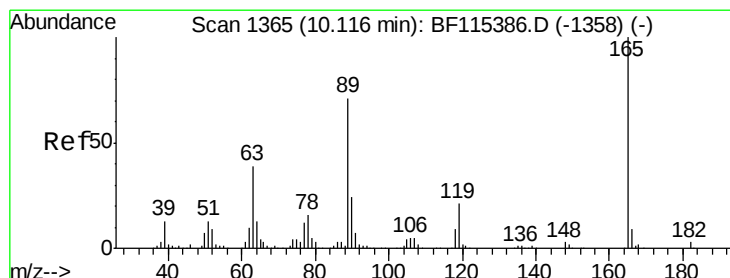
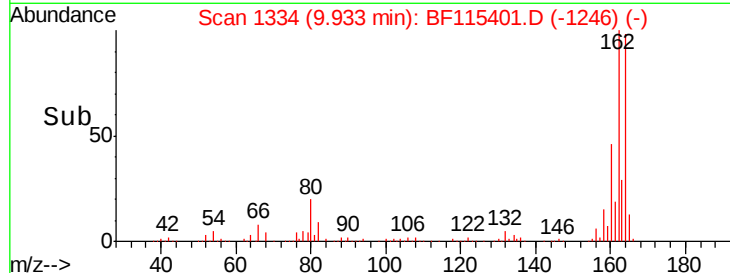
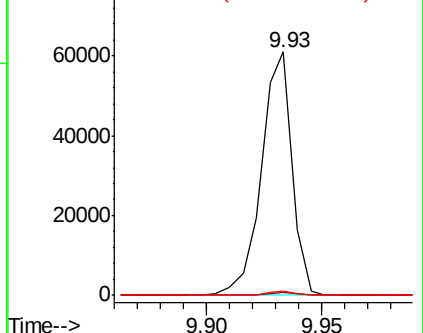
Acq: 8 Jul 2019 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	56209
Ion Ratio	Lower	Upper
165	100	
63	1.2	45.1 67.7#
89	1.5	48.3 72.5#



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: 6.310 ng

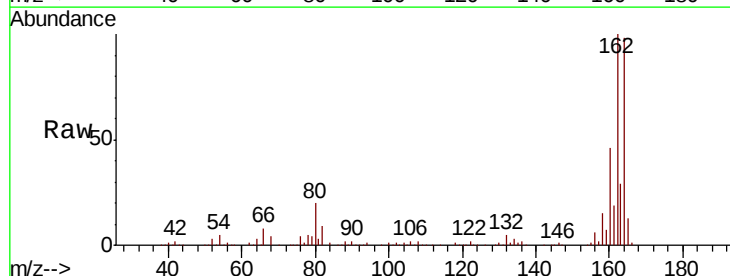
RT: 9.93 min Scan# 1334

Delta R.T. -0.19 min

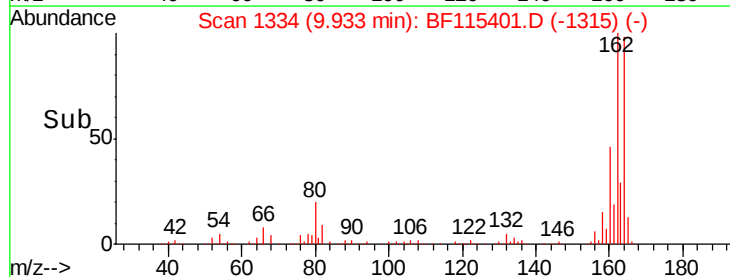
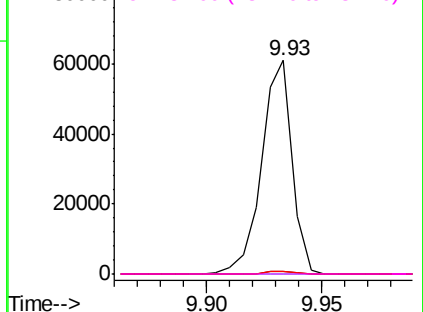
Lab File: BF115401.D

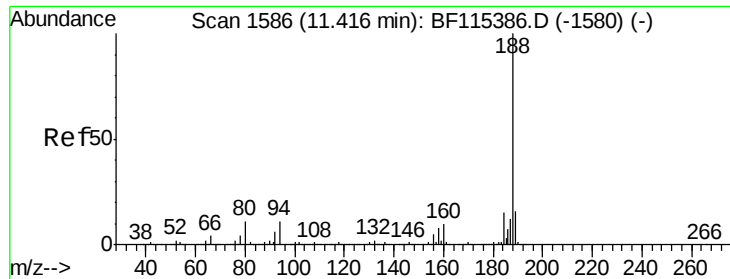
Acq: 8 Jul 2019 12:20

Tgt Ion:165	Resp:	56209
Ion Ratio	Lower	Upper
165	100	
63	1.2	30.0 45.0#
89	1.5	54.8 82.2#
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

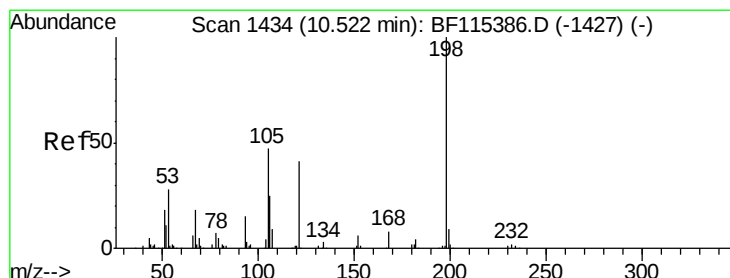
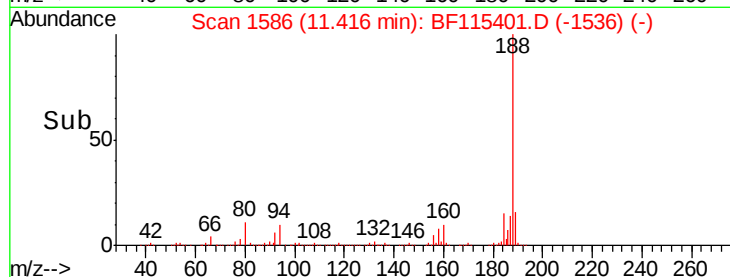
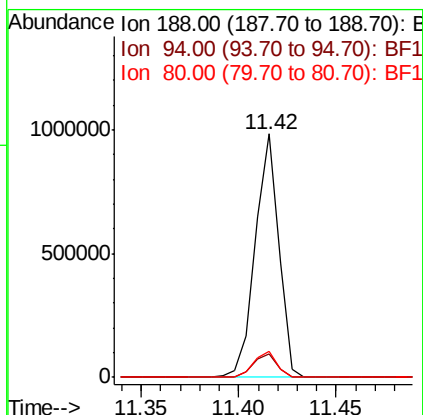
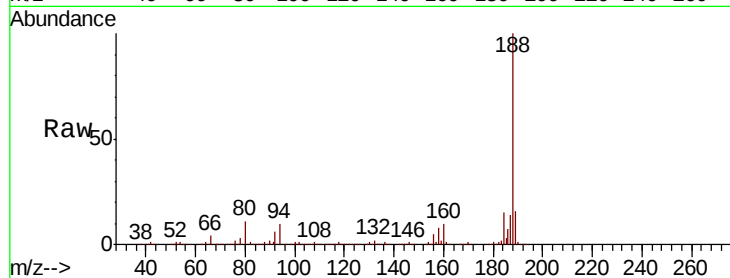




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF115401.D
 Acq: 8 Jul 2019 12:20

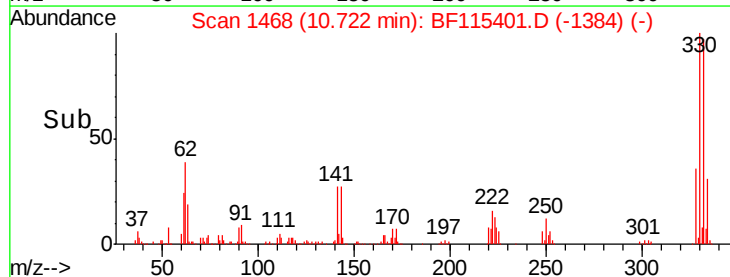
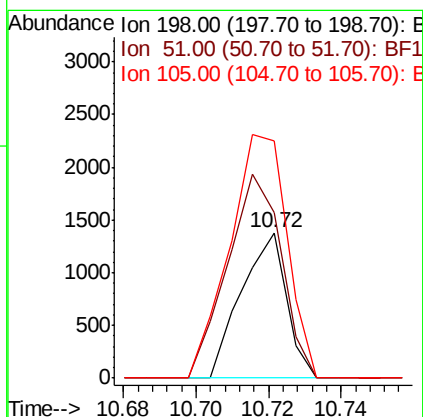
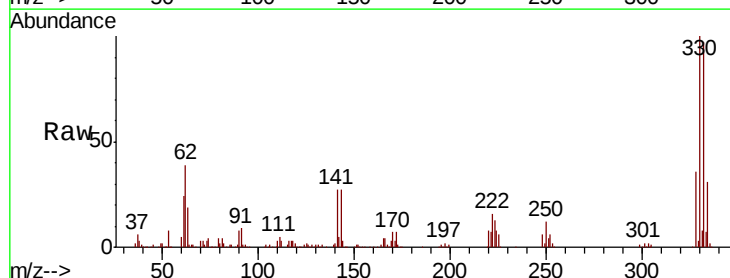
Instrument :
 BNA_F
 ClientSampled :

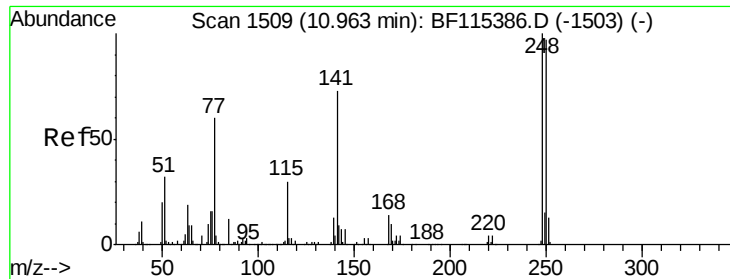
Tot Ion:188 Resp: 824993
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.9 11.9
 80 10.6 8.5 12.7



#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.070 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF115401.D
 Acq: 8 Jul 2019 12:20

Tgt Ion:198 Resp: 1190
 Ion Ratio Lower Upper
 198 100
 51 113.9 28.1 68.1#
 105 163.2 29.4 69.4#

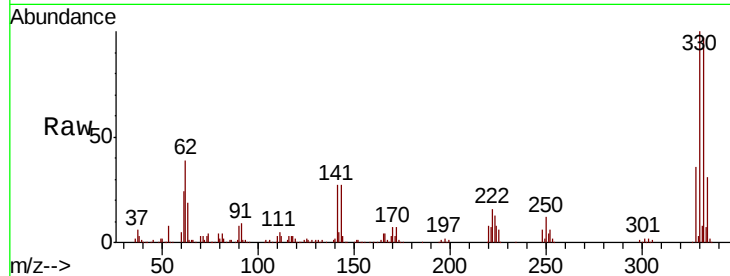




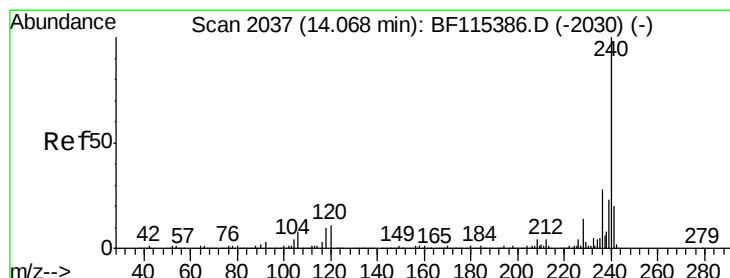
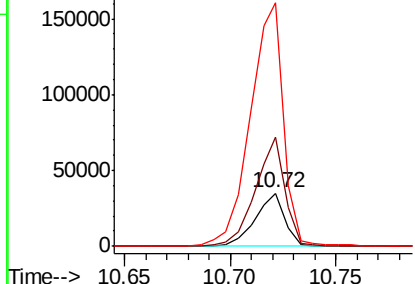
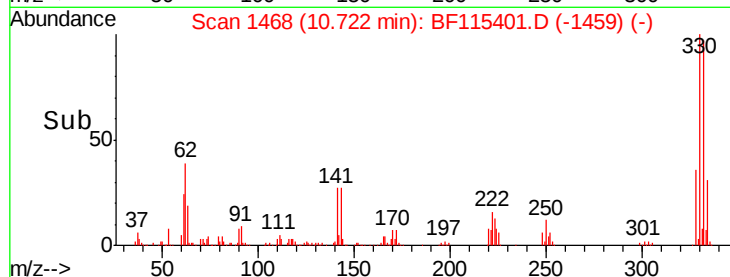
#67
4-Bromophenyl-phenylether
Concen: 3.728 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.25 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 34507
Ion Ratio Lower Upper
248 100
250 203.8 79.1 118.7#
141 454.9 49.4 74.2#

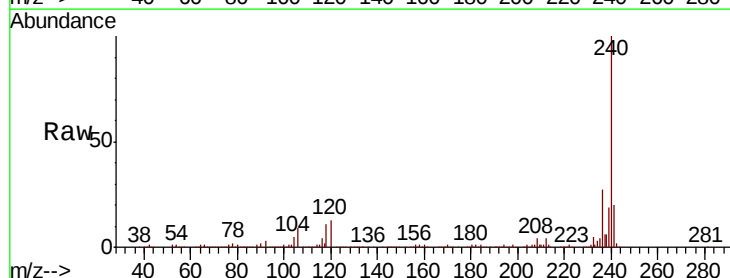


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

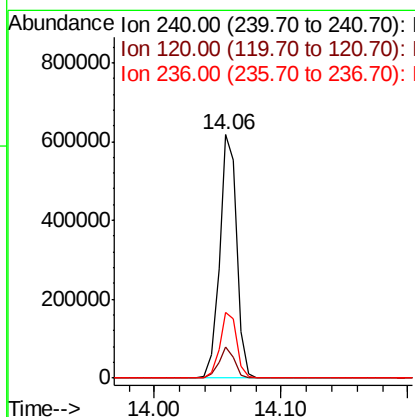
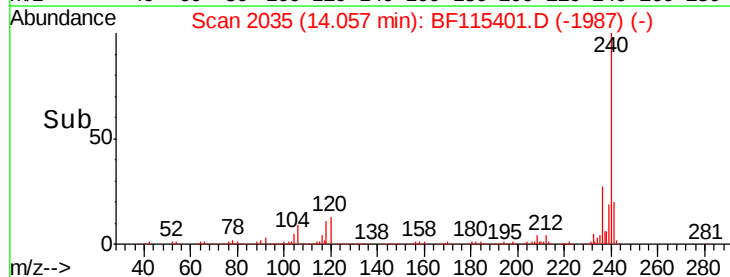


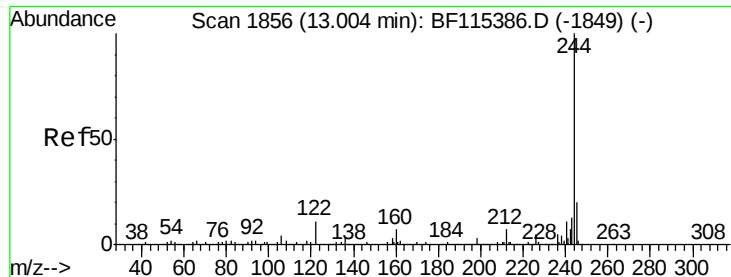
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF115401.D
Acq: 8 Jul 2019 12:20

Tgt Ion:240 Resp: 582065
Ion Ratio Lower Upper
240 100
120 12.7 10.5 15.7
236 27.2 21.1 31.7



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





#79

Terphenyl-d14

Concen: 86.449 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF115401.D

Acq: 8 Jul 2019 12:20

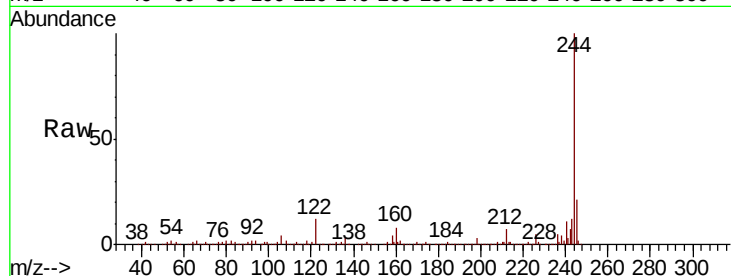
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 2457573

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	11.8	9.7	14.5

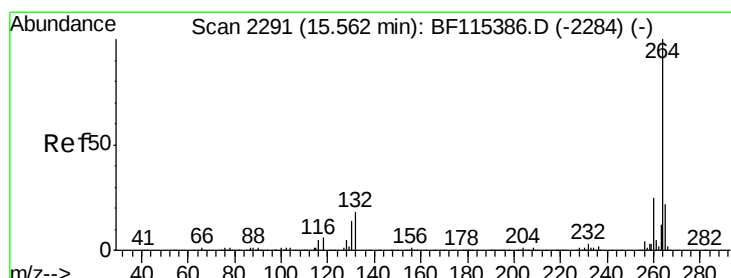
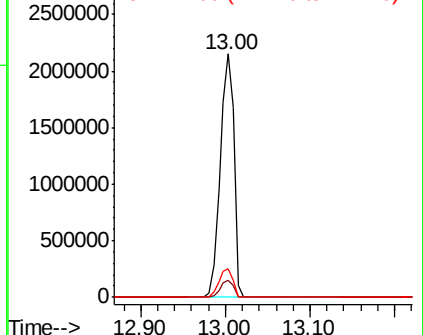
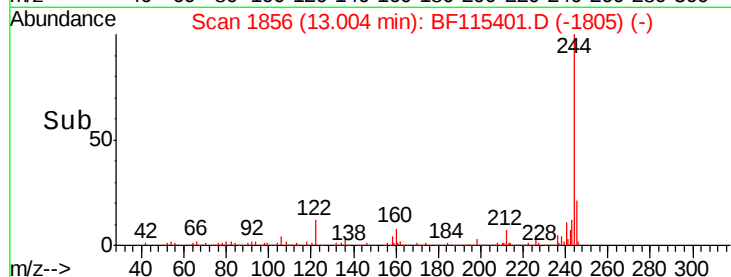


Abundance

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: 15.56 min Scan# 2291

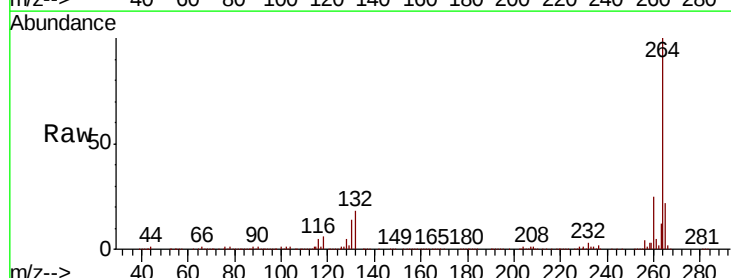
Delta R.T. -0.02 min

Lab File: BF115401.D

Acq: 8 Jul 2019 12:20

Tgt Ion:264 Resp: 517593

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.3	30.5
265	22.4	17.6	26.4



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

