

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\
 Data File : BF115406.D
 Acq On : 8 Jul 2019 15:28
 Operator : HP/JU
 Sample : PB121094BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB121094BL

Quant Time: Jul 08 16:56:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	227046	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	892260	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	452026	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	881688	20.00	ng	0.00
76) Chrysene-d12	14.06	240	647502	20.00	ng	-0.01
87) Perylene-d12	15.56	264	586843	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1604445	109.18	ng	0.02
7) Phenol-d6	6.53	99	2086755	111.66	ng	0.00
23) Nitrobenzene-d5	7.46	82	1339792	88.72	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	610211	122.09	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2289651	88.88	ng	0.00
79) Terphenyl-d14	13.00	244	2627537	83.09	ng	0.00

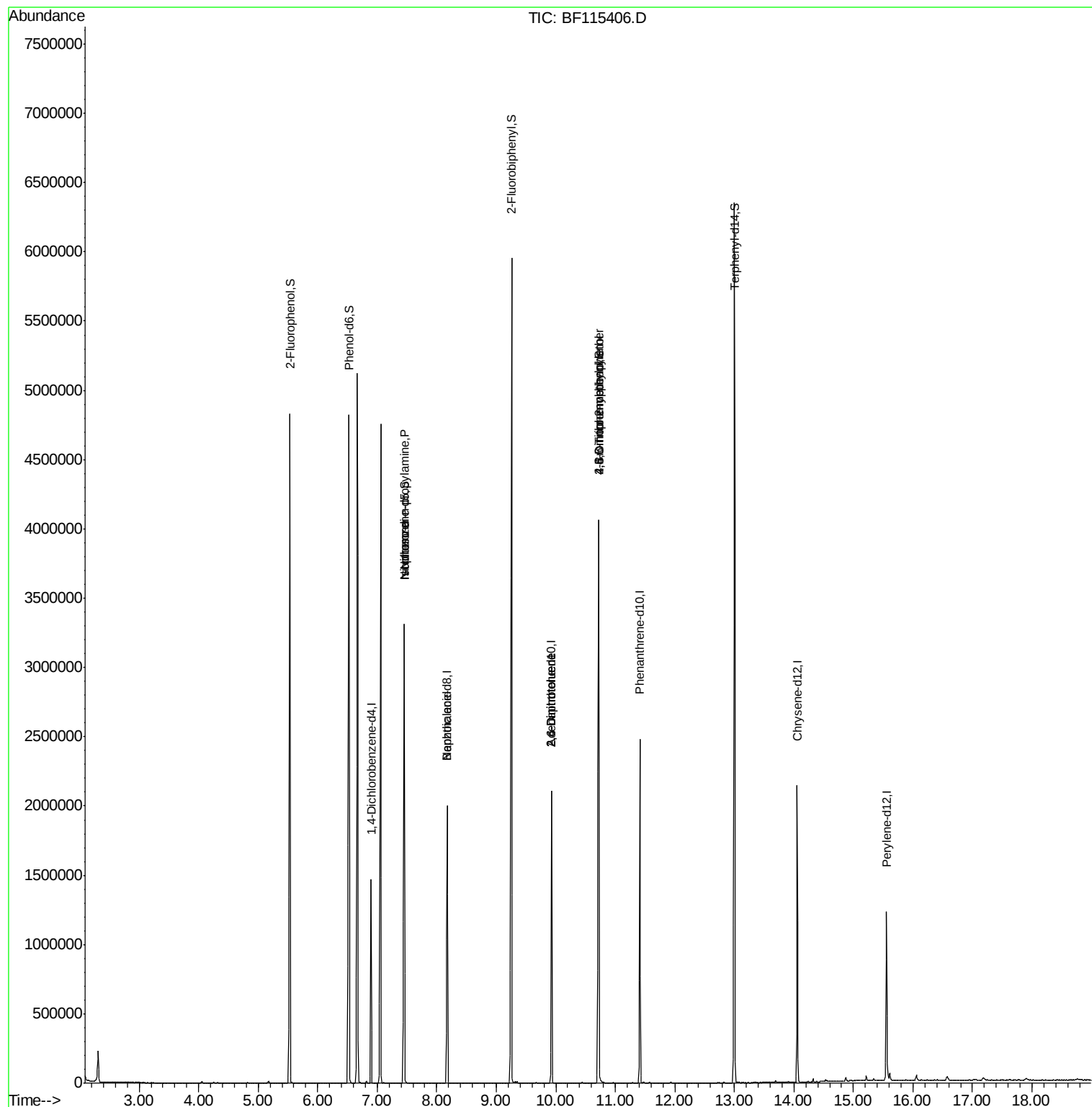
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	3429	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.46	70	179606	14.205	ng	# 77
25) Isophorone	7.46	82	1327602	40.558	ng	# 64
32) Benzoic acid	8.17	122	108	6.052	ng	# 1
51) 2,6-Dinitrotoluene	9.93	165	58448	7.943	ng	# 22
57) 2,4-Dinitrotoluene	9.93	165	58448	6.250	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	1141	8.044	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	36444	3.684	ng	# 1
86) Indeno(1,2,3-cd)pyrene	17.04	276	2217	Below Cal	#	100

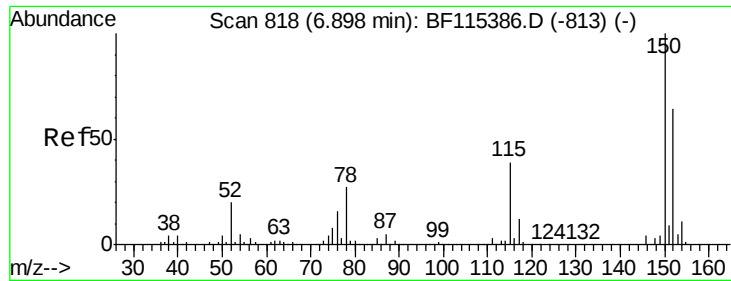
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF115406.D

Acq: 8 Jul 2019 15:28

Instrument :

BNA_E

ClientSampleId :

PB121094BL

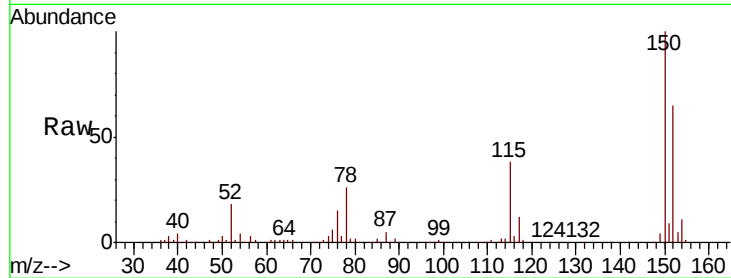
Tot Ion:152 Resp: 227046

Ion Ratio Lower Upper

152 100

150 154.4 124.7 187.1

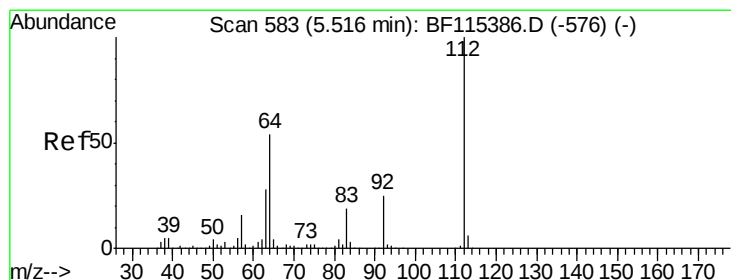
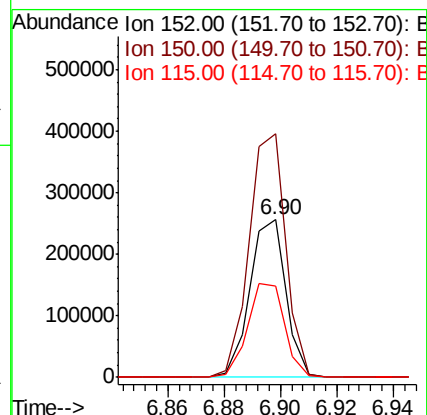
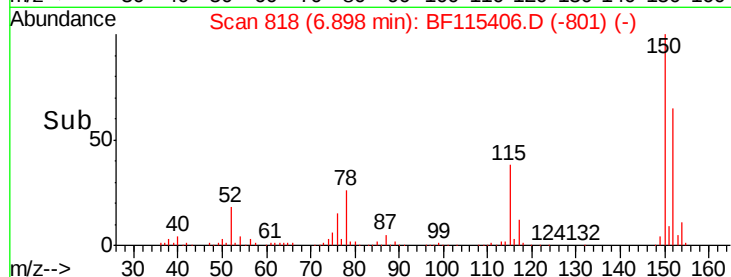
115 57.9 48.1 72.1



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: 109.181 ng

RT: 5.53 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF115406.D

Acq: 8 Jul 2019 15:28

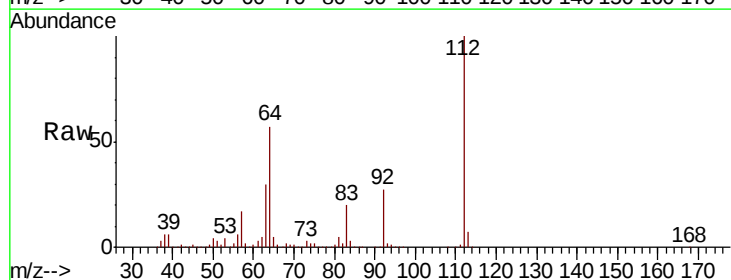
Tgt Ion:112 Resp: 1604445

Ion Ratio Lower Upper

112 100

64 57.2 43.0 64.6

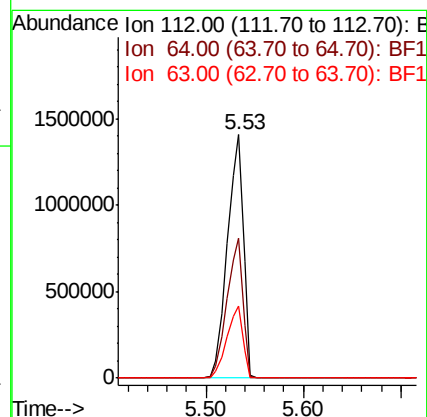
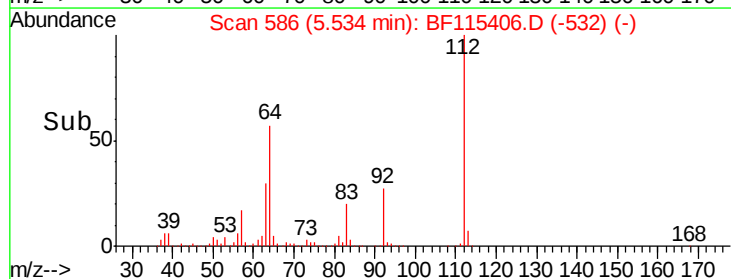
63 29.7 22.2 33.2

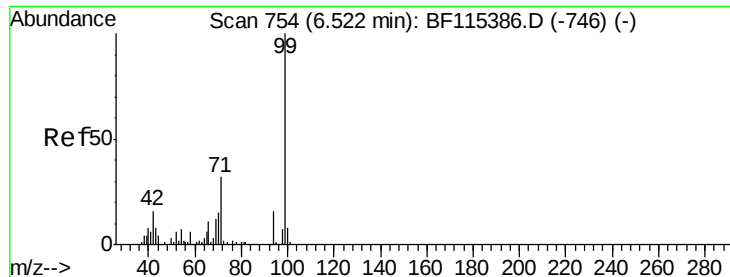


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.655 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF115406.D

Acq: 8 Jul 2019 15:28

Instrument :

BNA_E

ClientSampleId :

PB121094BL

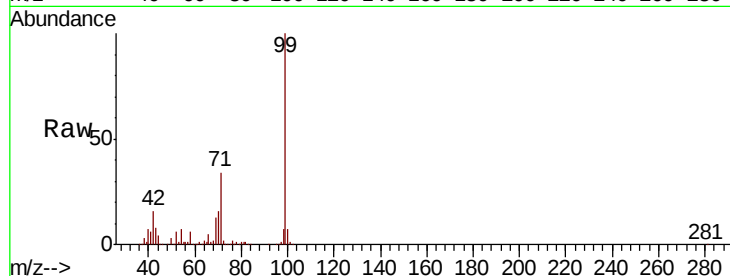
Tot Ion: 99 Resp: 2086755

Ion Ratio Lower Upper

99 100

42 16.5 13.1 19.7

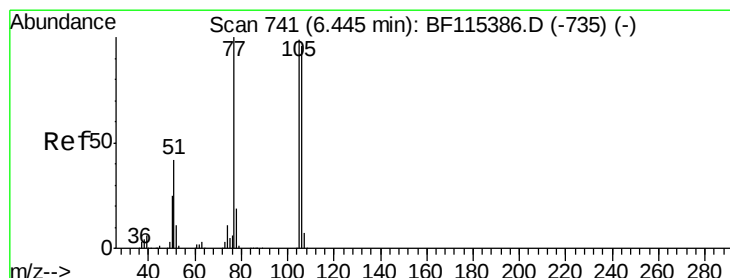
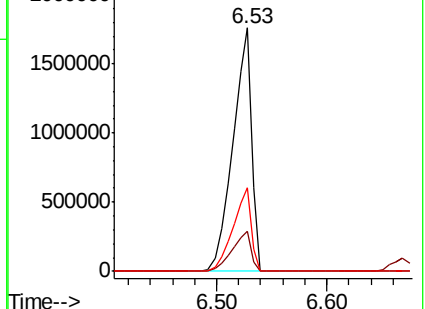
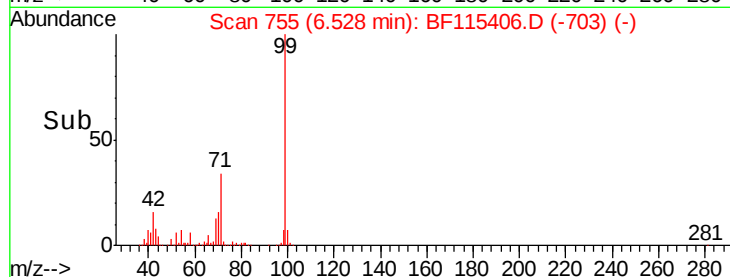
71 34.5 25.9 38.9



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: BF115406.D

Acq: 8 Jul 2019 15:28

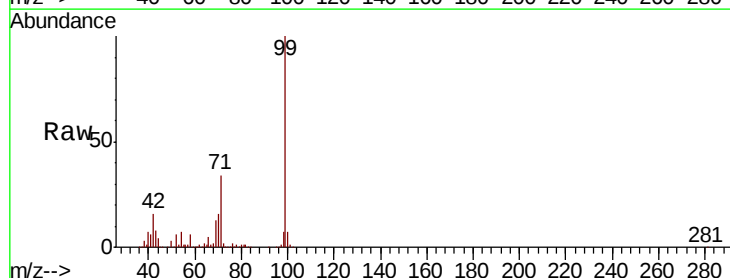
Tgt Ion: 77 Resp: 3429

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

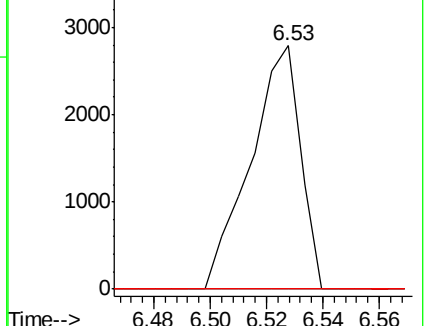
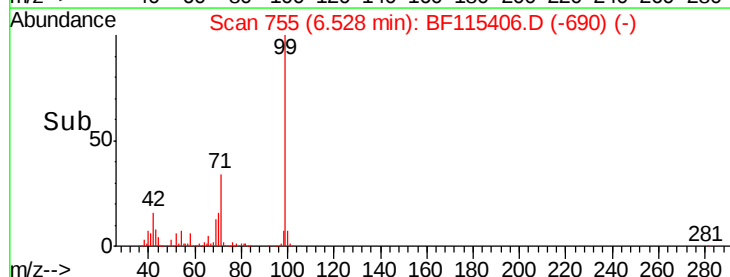
106 0.0 75.7 115.7#

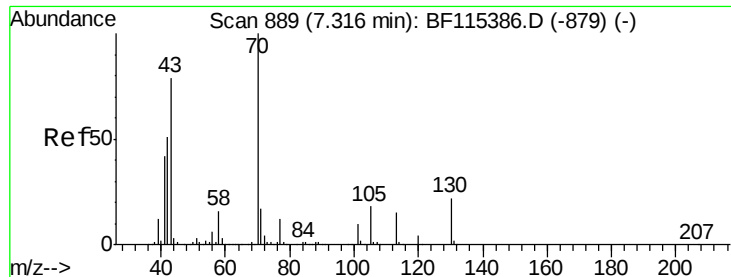


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

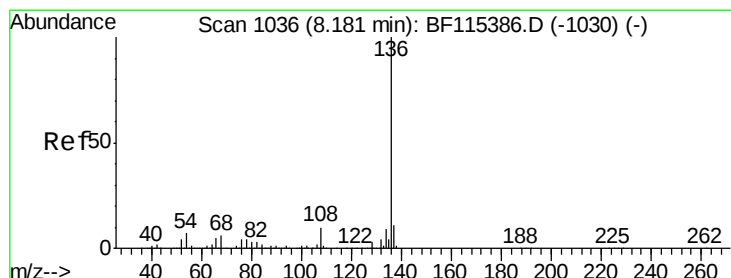
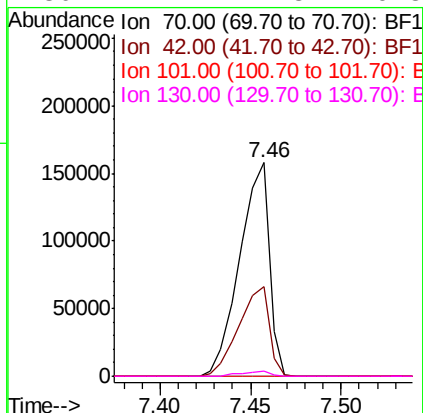
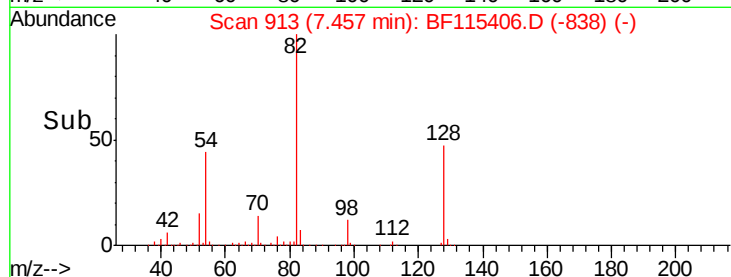
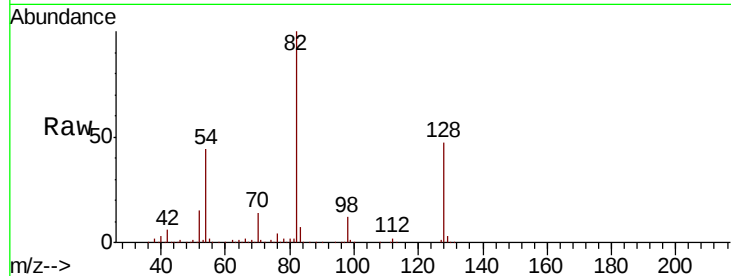




#19
n-Nitroso-di-n-propylamine
Concen: 14.205 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.14 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

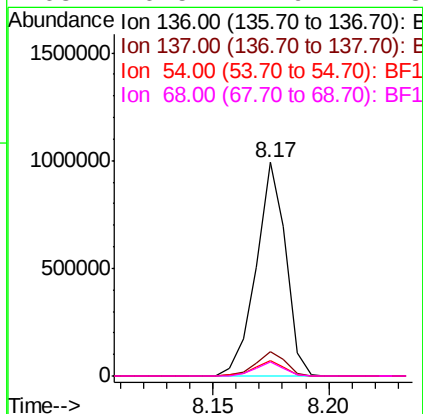
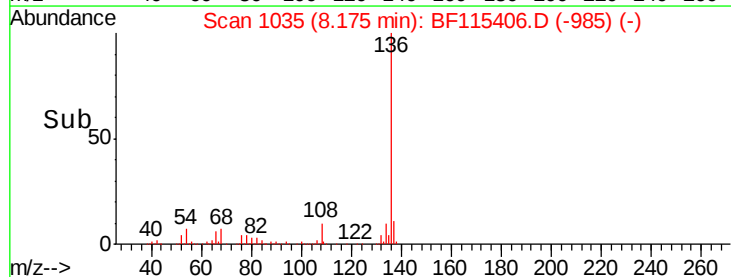
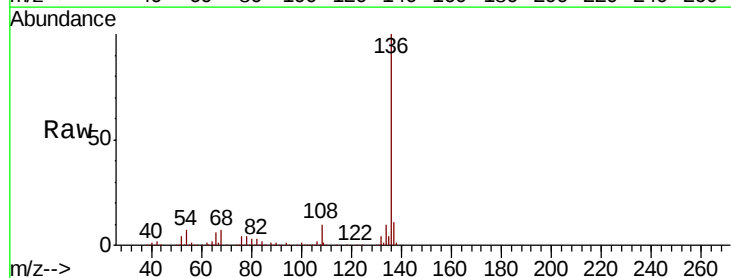
Instrument :
BNA_E
ClientSampleID :
PB121094BL

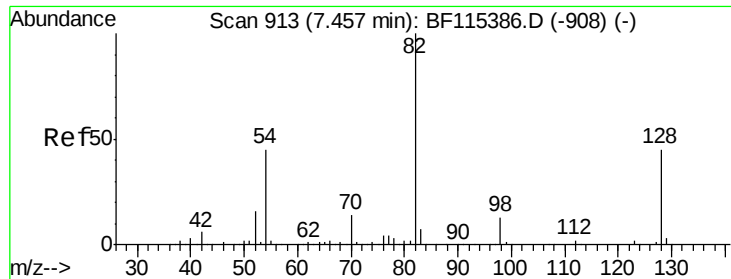
Tot Ion: 70 Resp: 179606
Ion Ratio Lower Upper
70 100
42 42.0 41.1 61.7
101 0.0 8.0 12.0#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

Tgt Ion: 136 Resp: 892260
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.3 5.6 8.4
68 6.5 4.9 7.3

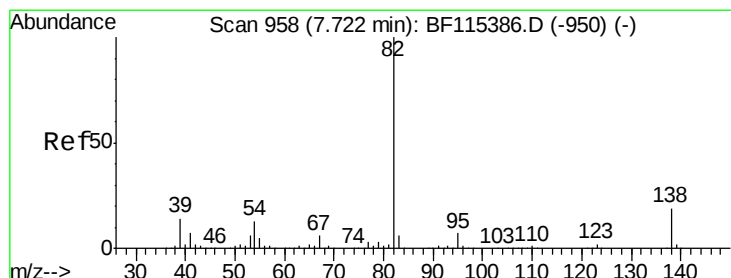
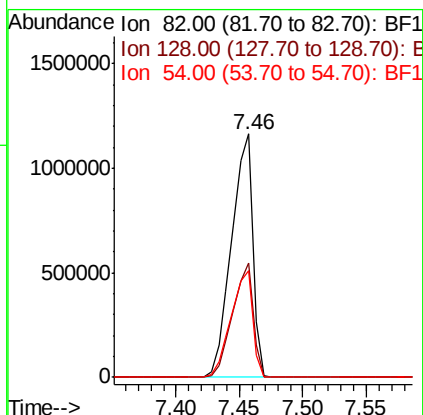
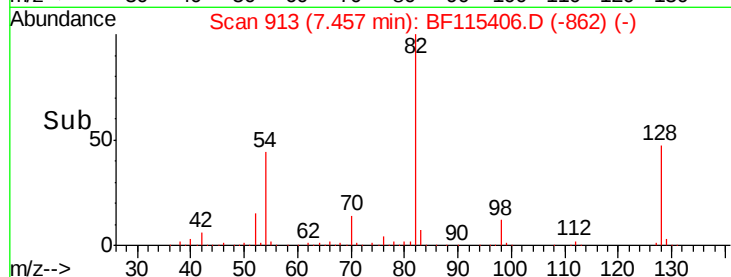
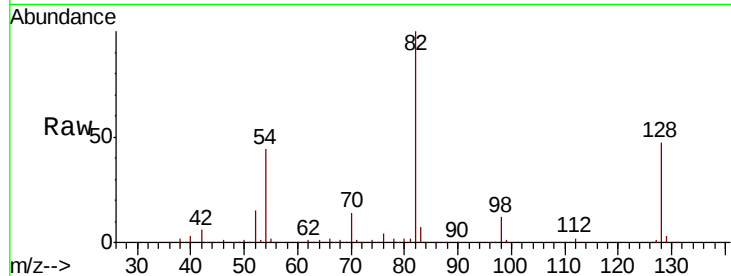




#23
Nitrobenzene-d5
Concen: 88.718 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

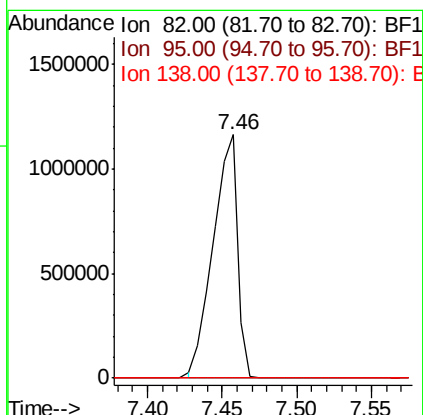
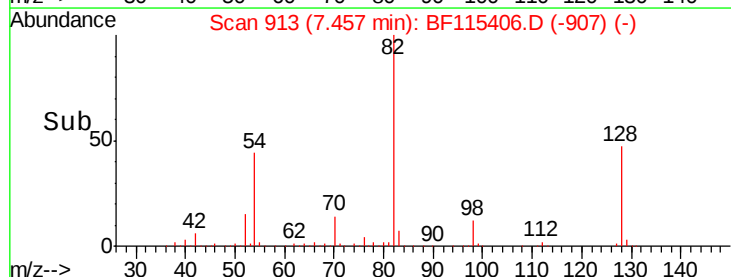
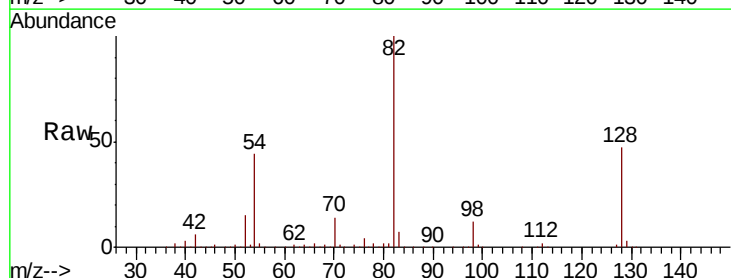
Instrument :
BNA_E
ClientSampleId :
PB121094BL

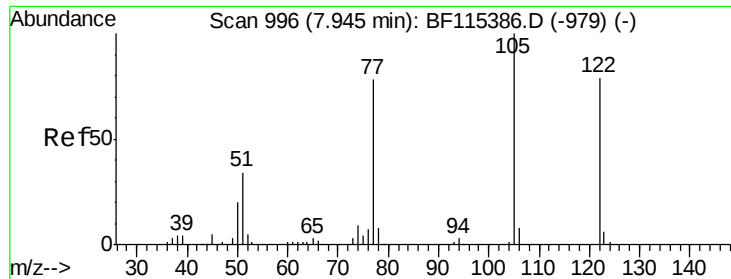
Tot Ion: 82 Resp: 1339792
Ion Ratio Lower Upper
82 100
128 46.9 35.7 53.5
54 44.0 36.3 54.5



#25
Isophorone
Concen: 40.558 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

Tgt Ion: 82 Resp: 1327602
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.9 22.3#

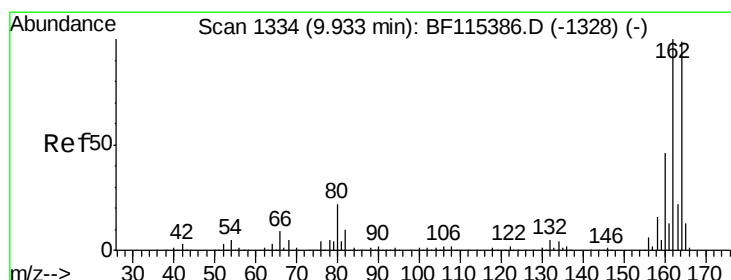
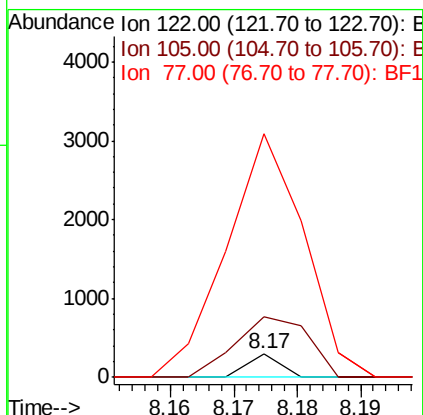
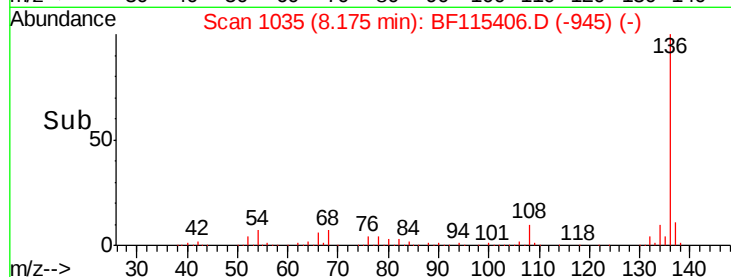
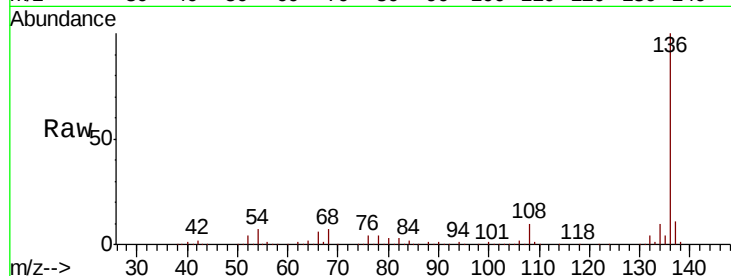




#32
Benzoic acid
Concen: 6.052 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.23 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

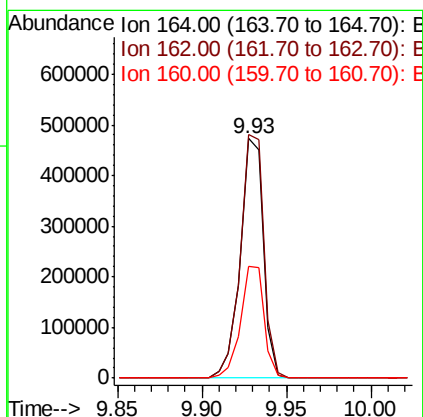
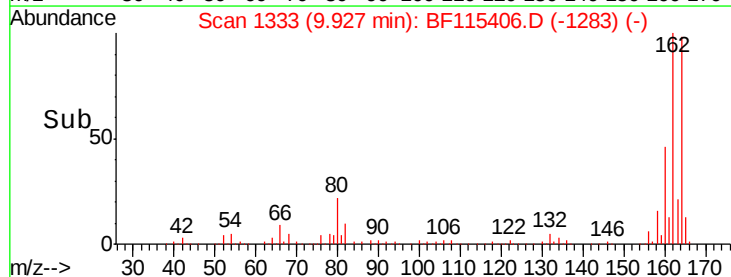
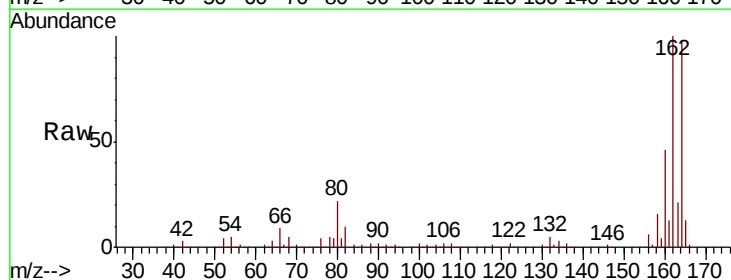
Instrument :
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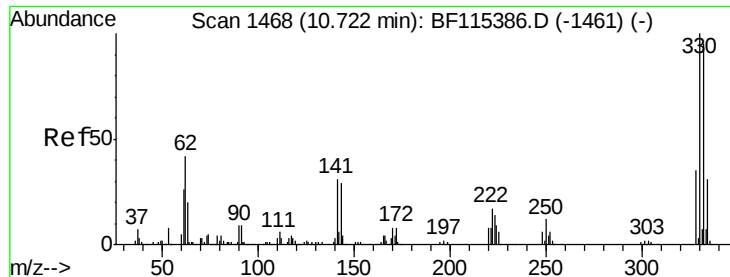
Tot Ion:122 Resp: 108
Ion Ratio Lower Upper
122 100
105 250.8 105.1 145.1#
77 1012.5 77.8 117.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

Tgt Ion:164 Resp: 452026
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 46.4 37.0 55.6

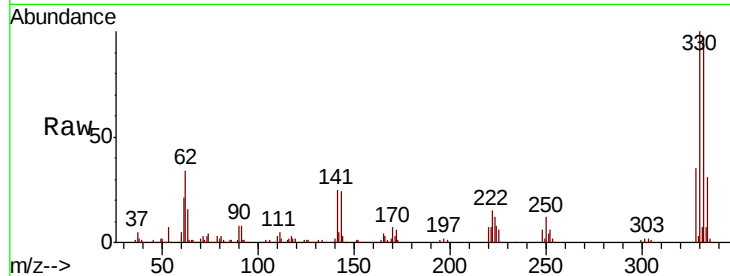




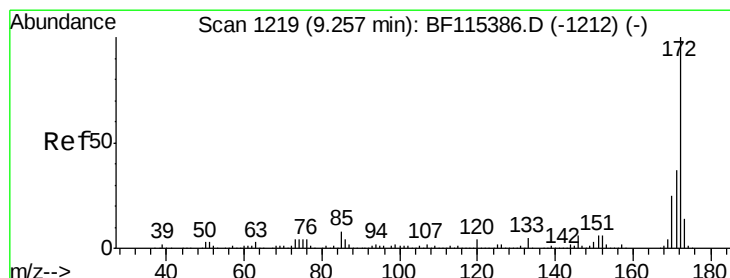
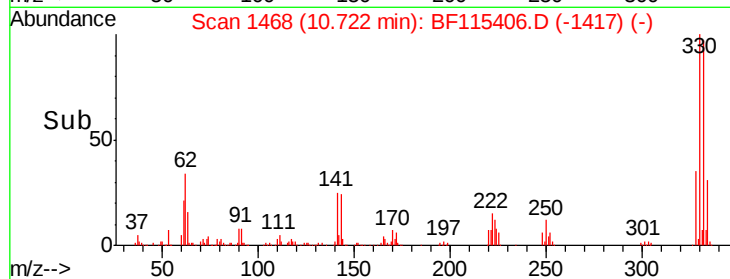
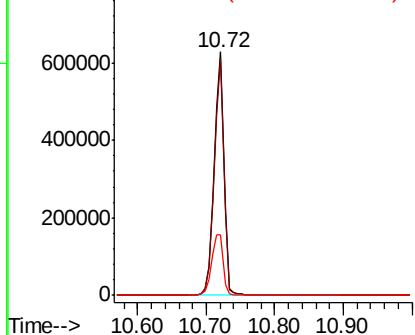
#42
 2,4,6-Tribromophenol
 Concen: 122.093 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF115406.D
 Acq: 8 Jul 2019 15:28

Instrument :
 BNA_E
 ClientSampleId :
 PB121094BL

Tot Ion:330 Resp: 610211
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.3 114.5
 141 29.8 27.0 40.4

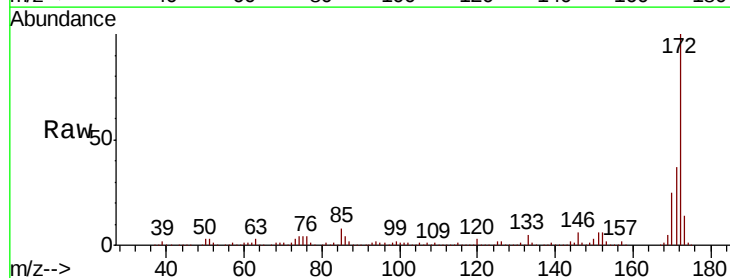


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

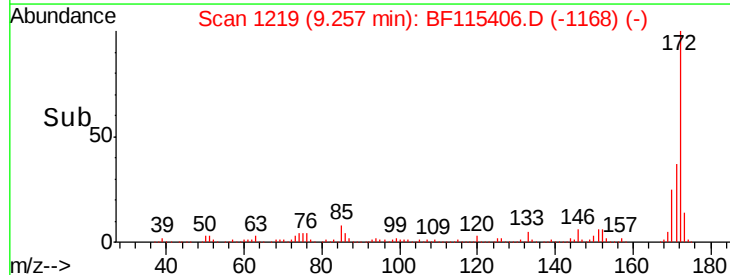
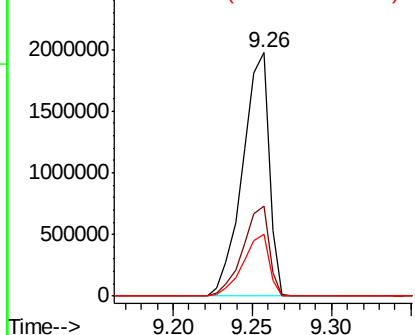


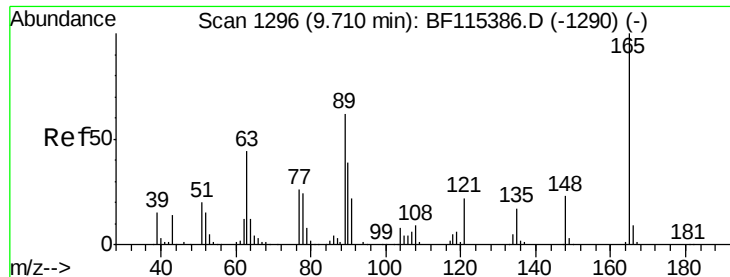
#45
 2-Fluorobiphenyl
 Concen: 88.883 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF115406.D
 Acq: 8 Jul 2019 15:28

Tgt Ion:172 Resp: 2289651
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.8
 170 25.2 20.2 30.4



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

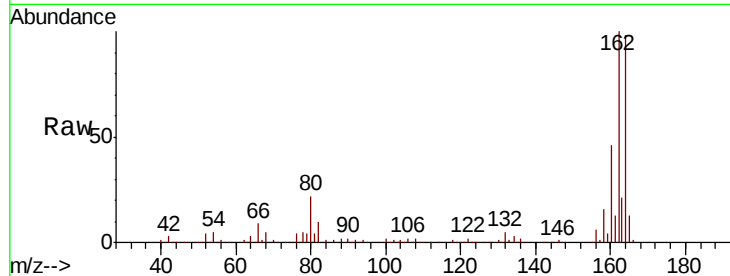




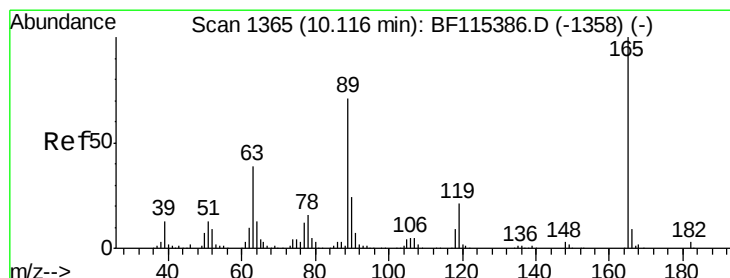
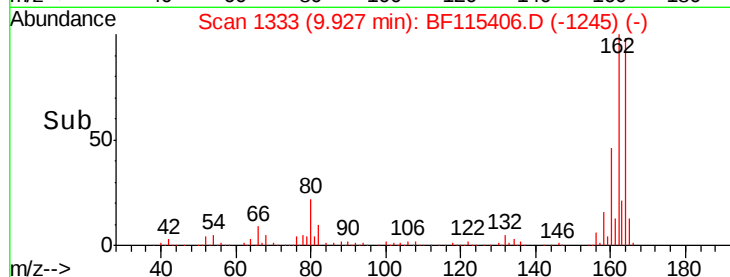
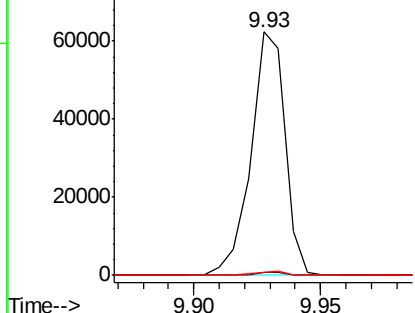
#51
 2,6-Dinitrotoluene
 Concen: 7.943 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF115406.D
 Acq: 8 Jul 2019 15:28

Instrument :
 BNA_E
 ClientSampleId :
 PB121094BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	45.8	68.6#
89	1.2	49.9	74.9#



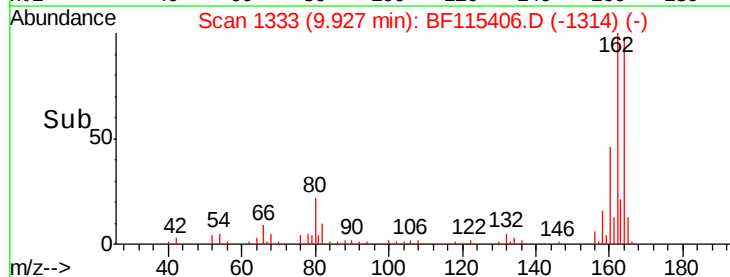
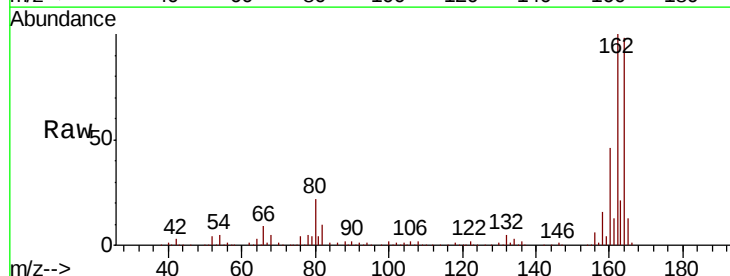
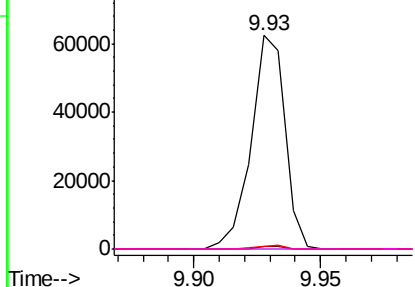
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

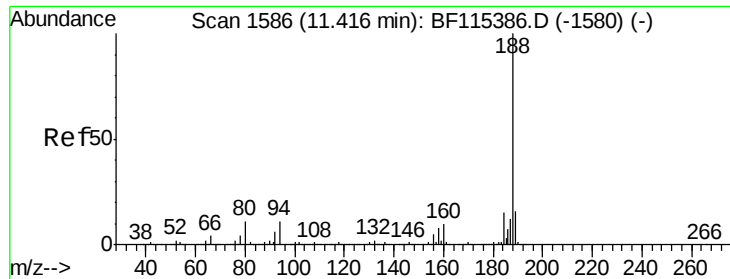


#57
 2,4-Dinitrotoluene
 Concen: 6.250 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF115406.D
 Acq: 8 Jul 2019 15:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.4	47.0#
89	1.2	57.1	85.7#
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: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF115406.D

Acq: 8 Jul 2019 15:28

Instrument :

BNA_E

ClientSampleId :

PB121094BL

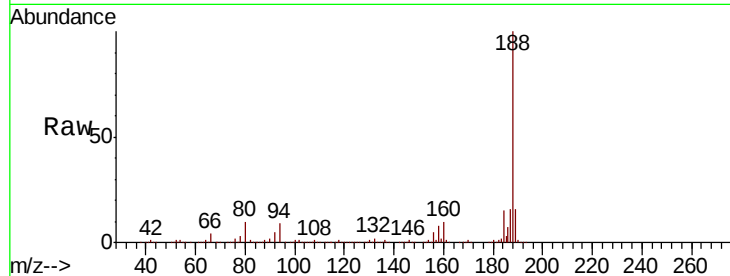
Tot Ion:188 Resp: 881688

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

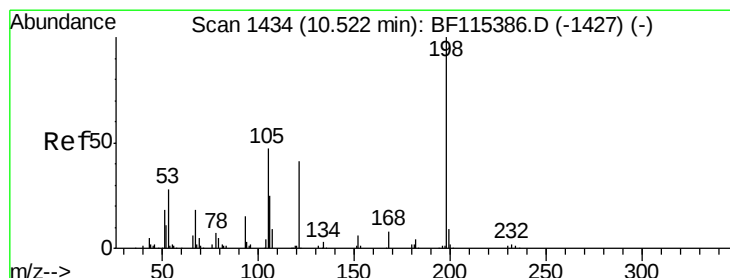
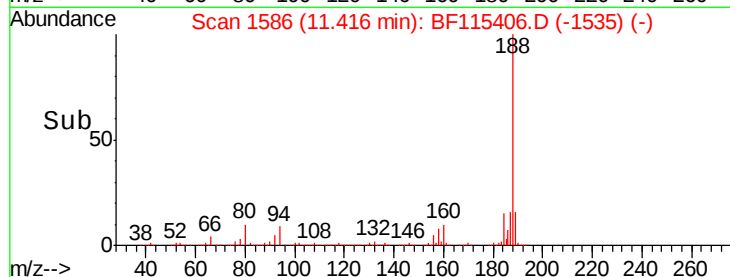
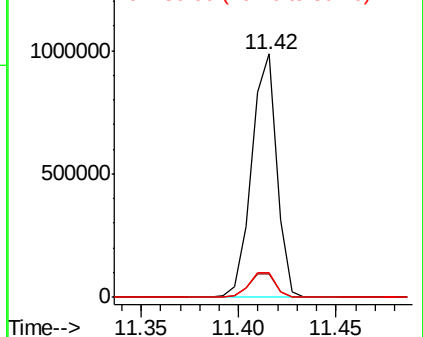
80 10.2 9.1 13.7



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: 8.044 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.20 min

Lab File: BF115406.D

Acq: 8 Jul 2019 15:28

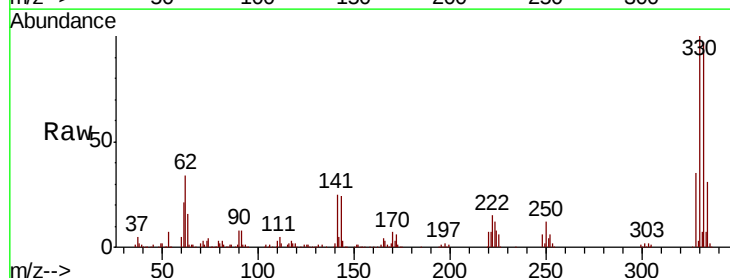
Tgt Ion:198 Resp: 1141

Ion Ratio Lower Upper

198 100

51 138.0 25.4 65.4#

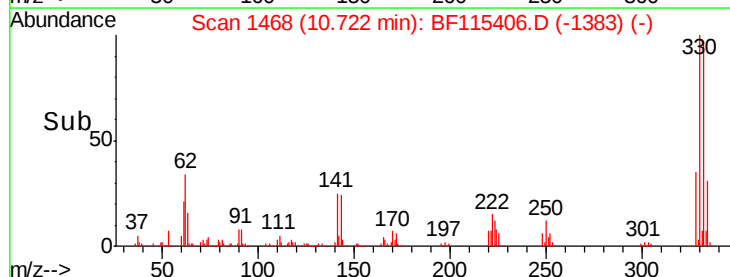
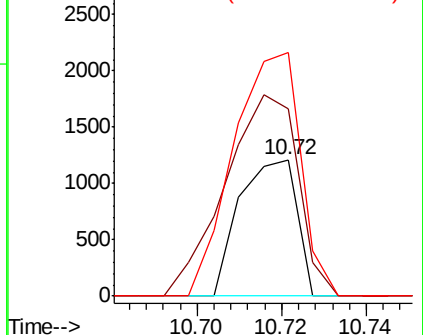
105 178.9 27.9 67.9#

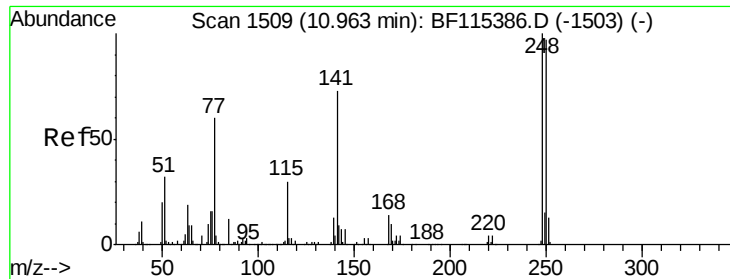


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

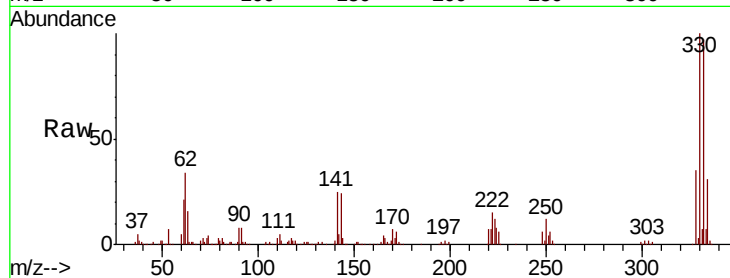




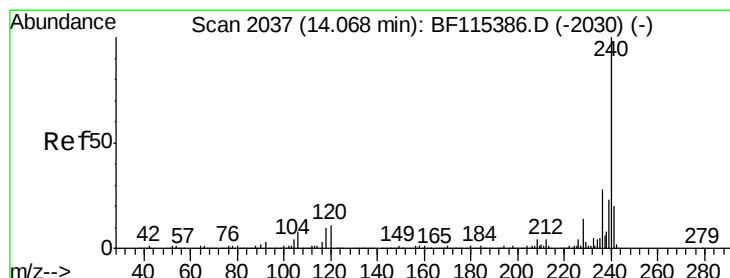
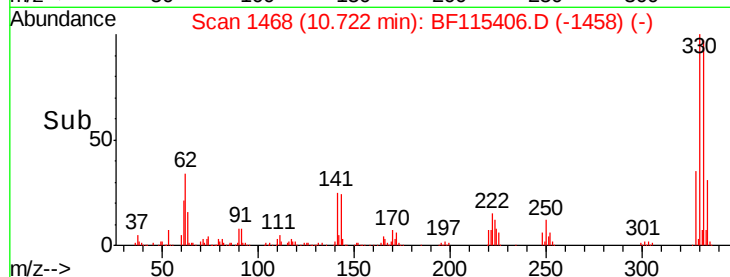
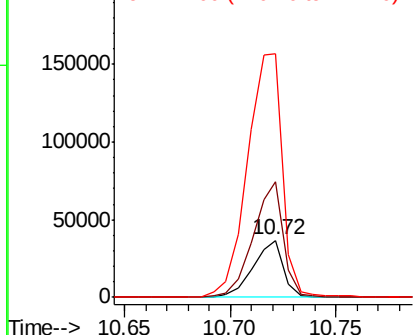
#67
4-Bromophenyl-phenylether
Concen: 3.684 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

Instrument :
BNA_E
ClientSampleId :
PB121094BL

Tot Ion:248 Resp: 36444
Ion Ratio Lower Upper
248 100
250 202.4 77.3 115.9#
141 427.4 58.5 87.7#

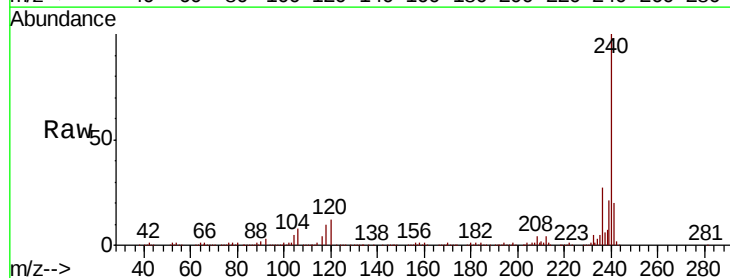


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

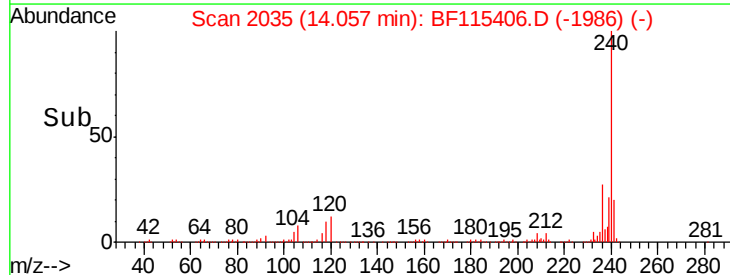
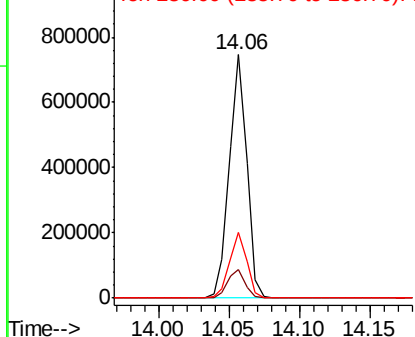


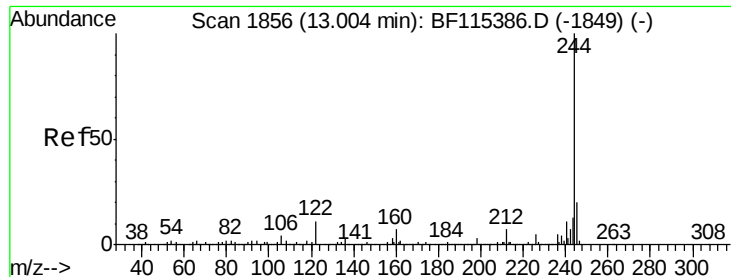
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

Tgt Ion:240 Resp: 647502
Ion Ratio Lower Upper
240 100
120 11.6 9.1 13.7
236 27.2 22.5 33.7



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: 83.087 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF115406.D

Acq: 8 Jul 2019 15:28

Instrument :

BNA_E

ClientSampleId :

PB121094BL

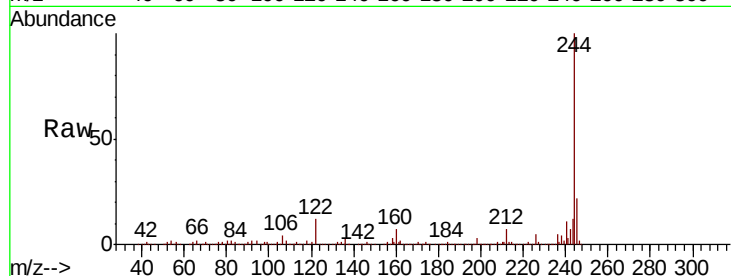
Tot Ion:244 Resp: 2627537

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

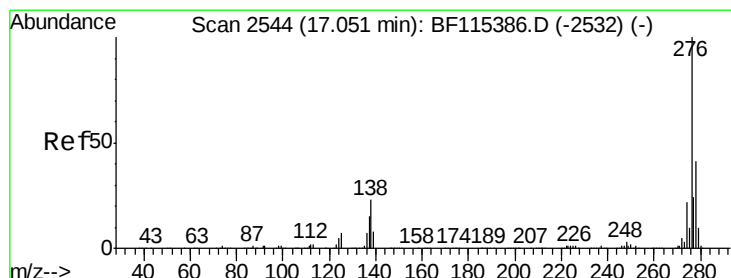
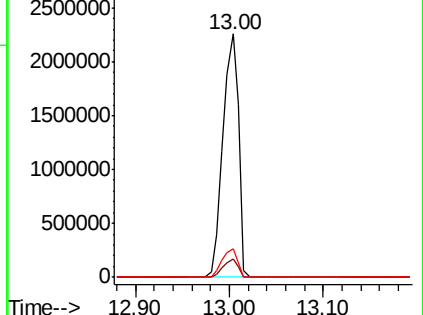
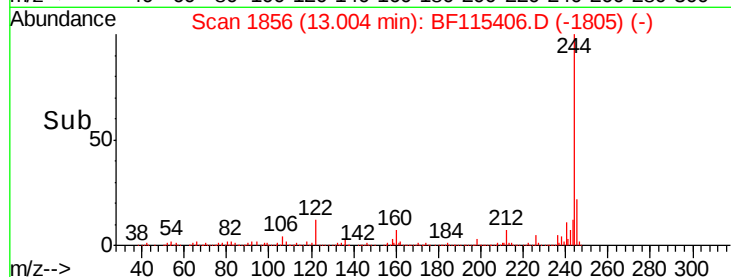
122 11.5 9.1 13.7



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



#86

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 17.04 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BF115406.D

Acq: 8 Jul 2019 15:28

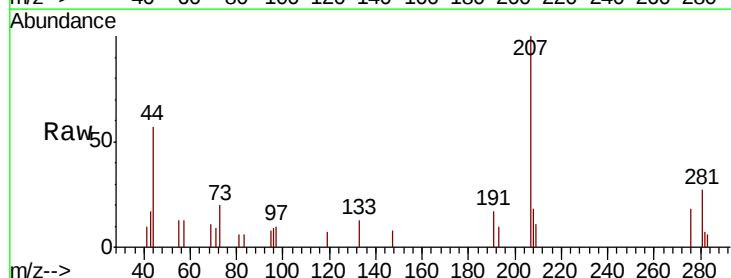
Tgt Ion:276 Resp: 2217

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

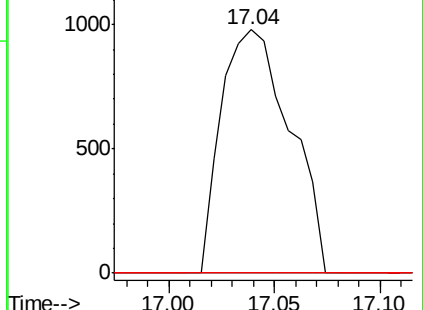
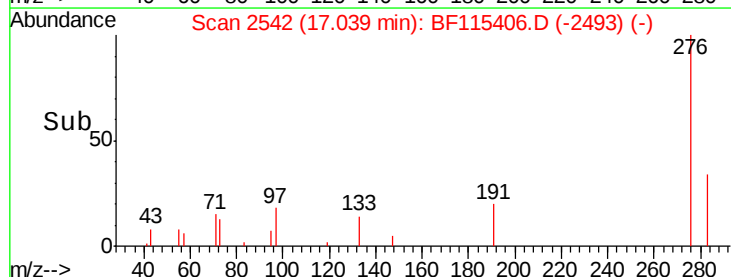
277 0.0 0.0 0.0

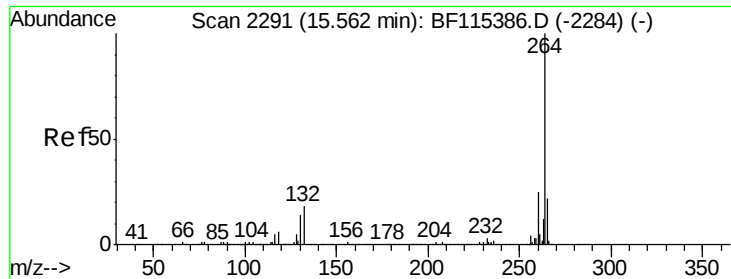


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF115406.D
Acq: 8 Jul 2019 15:28

Instrument :
BNA_E
ClientSampleId :
PB121094BL

Tot Ion: 264 Resp: 586843

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.9	29.9
265	21.5	17.4	26.2

