

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116786.D
 Acq On : 3 Sep 2019 21:26
 Operator : HP/JU
 Sample : K4562-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:05:09 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

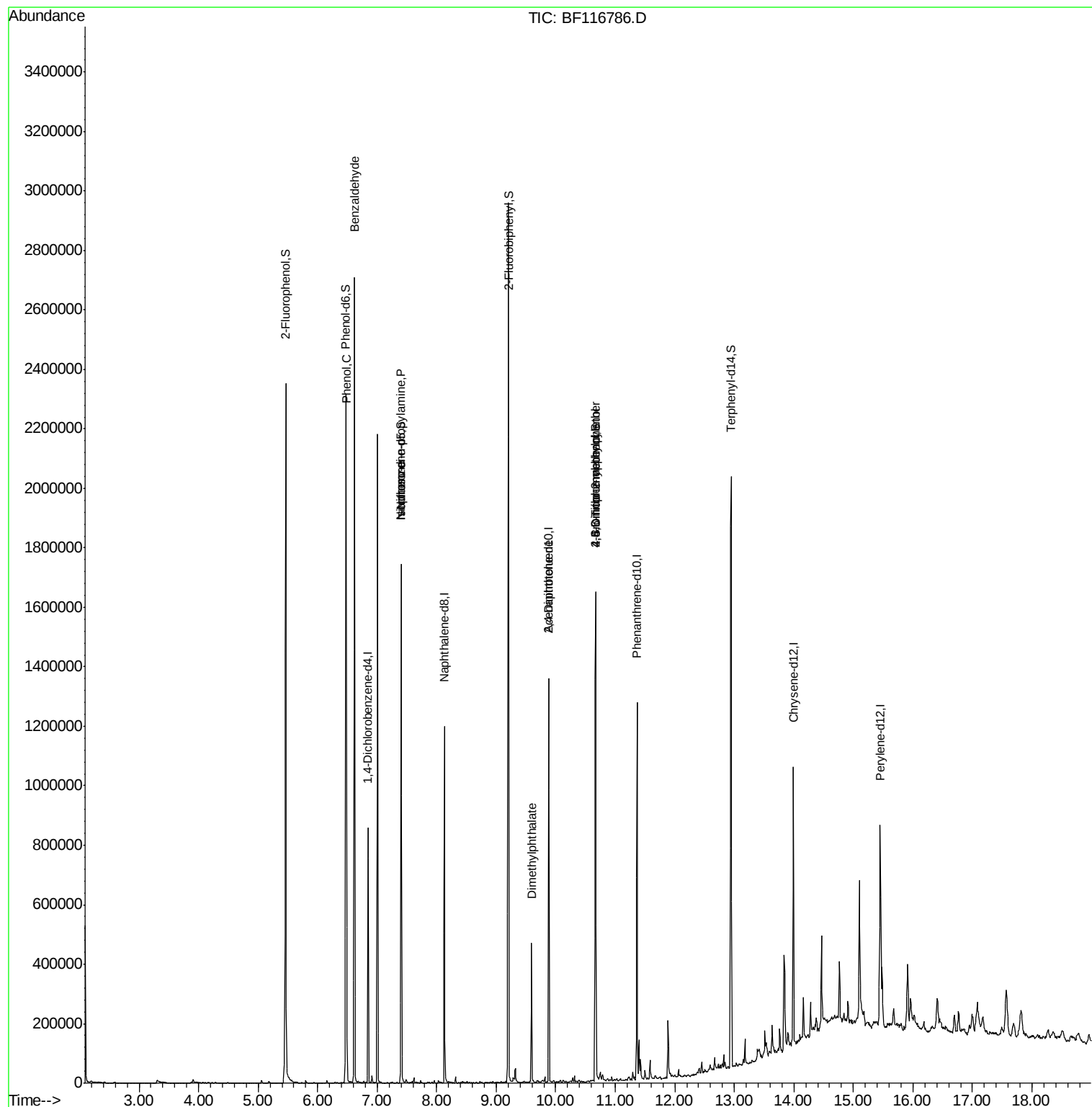
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	127466	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	514656	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	260975	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	403465	20.00	ng	0.00
76) Chrysene-d12	13.99	240	288243	20.00	ng	0.00
87) Perylene-d12	15.45	264	299420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	679683	86.39	ng	0.00
7) Phenol-d6	6.47	99	911321	88.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	543380	60.27	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	174380	99.95	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	834470	53.94	ng	0.00
79) Terphenyl-d14	12.95	244	660568	42.40	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	16118	2.368	ng	Qvalue 83
10) Phenol	6.49	94	64773	5.662	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	71761	10.549	ng	# 72
25) Isophorone	7.40	82	543368	29.744	ng	# 66
50) Dimethylphthalate	9.59	163	162728	9.032	ng	99
57) 2,4-Dinitrotoluene	9.88	165	33767	8.033	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	369	7.661	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	10977	2.678	ng	# 1

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

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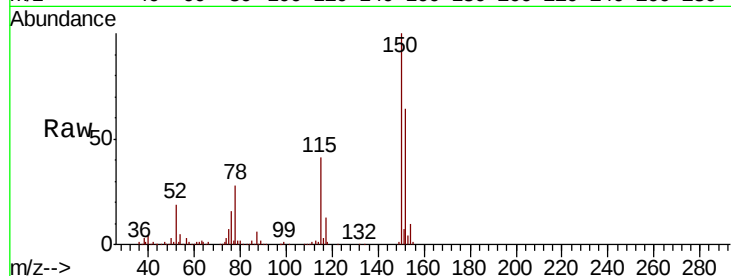


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116786.D
Acq: 3 Sep 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.4	186.6
115	63.8	49.9	74.9

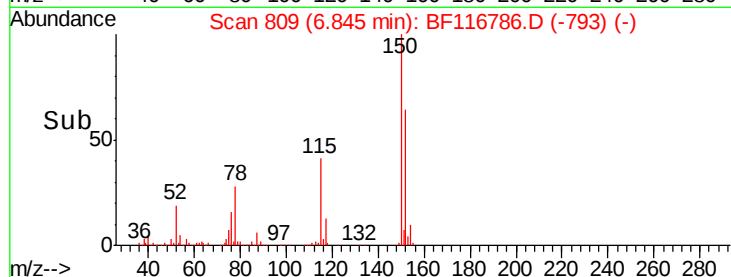
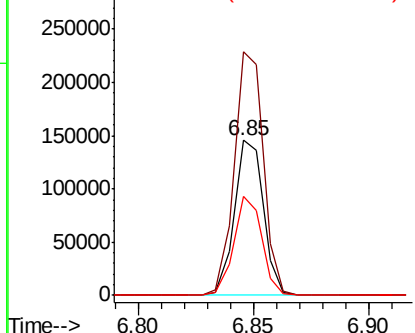


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

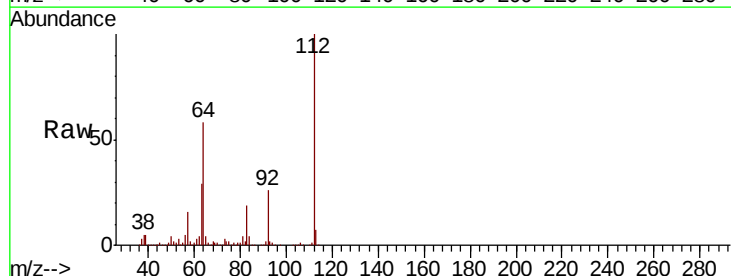
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.386 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116786.D
Acq: 3 Sep 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	29.2	24.9	37.3

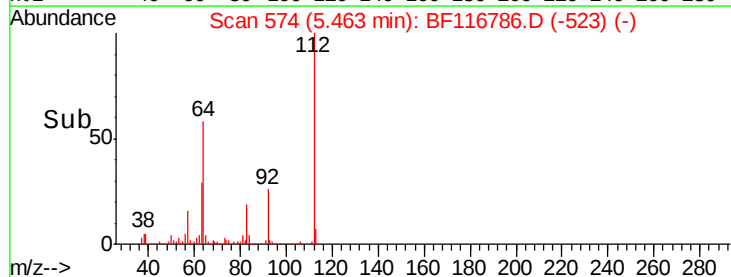
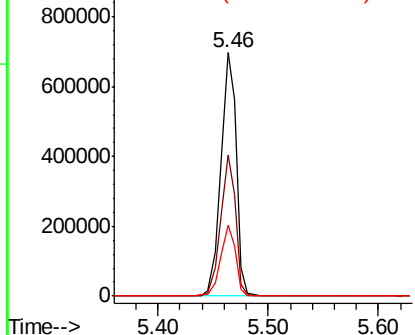


Abundance

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: 88.208 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Instrument :

BNA_F

ClientSampled :

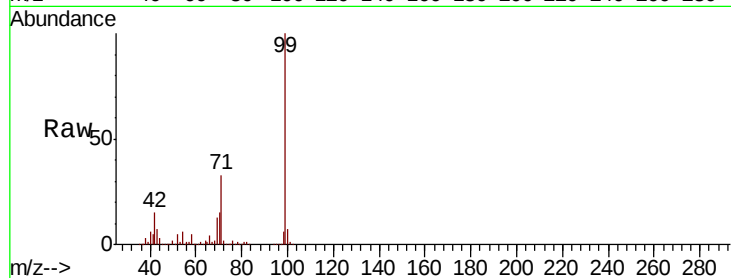
Tot Ion: 99 Resp: 911321

Ion Ratio Lower Upper

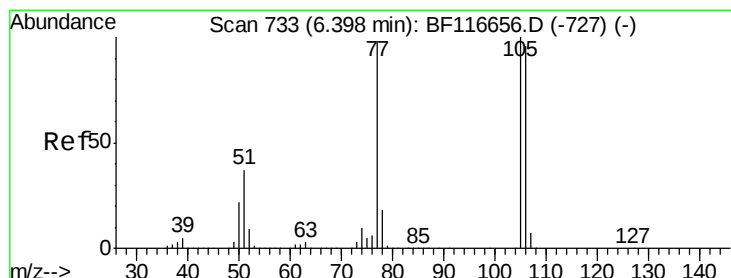
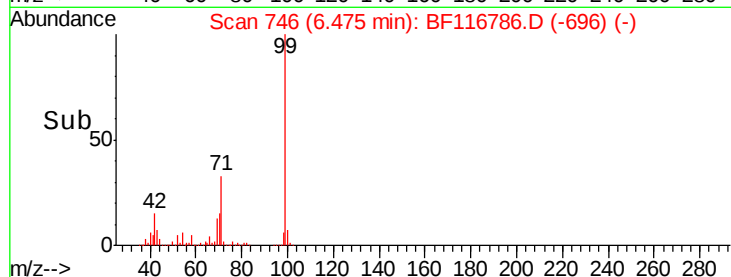
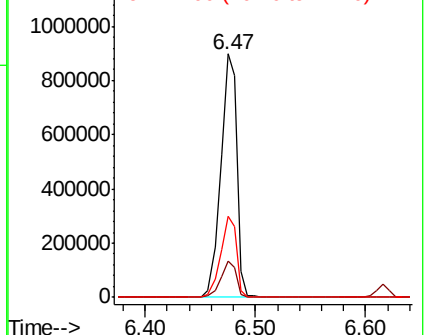
99 100

42 14.7 13.7 20.5

71 33.1 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



#9

Benzaldehyde

Concen: 2.368 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

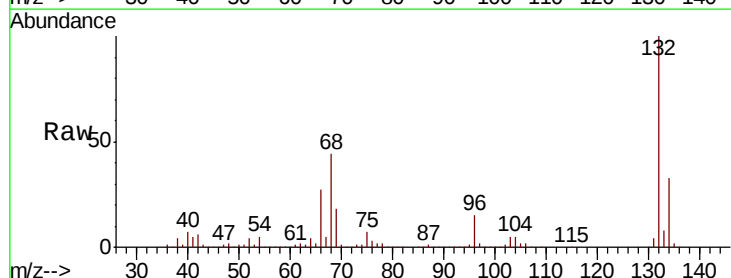
Tgt Ion: 77 Resp: 16118

Ion Ratio Lower Upper

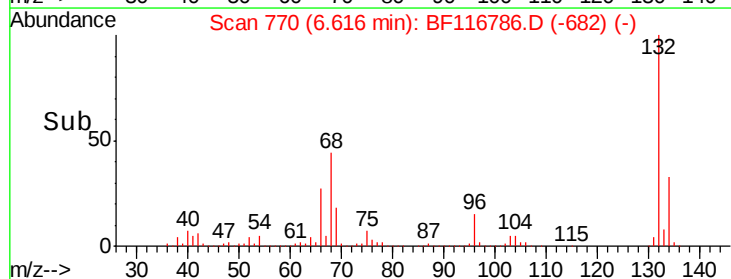
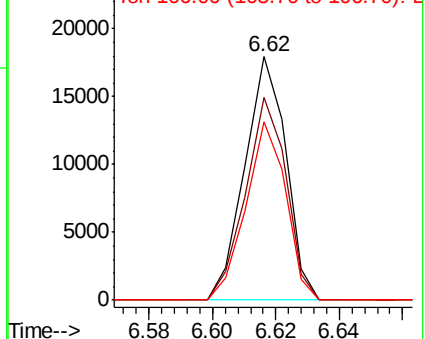
77 100

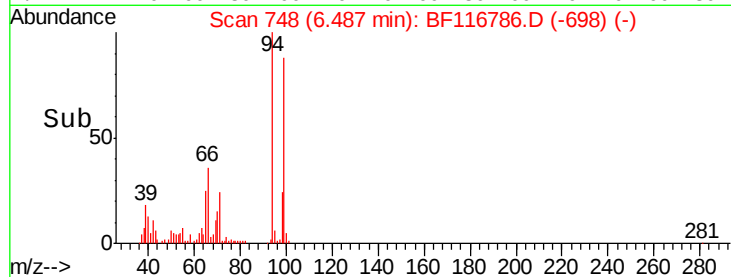
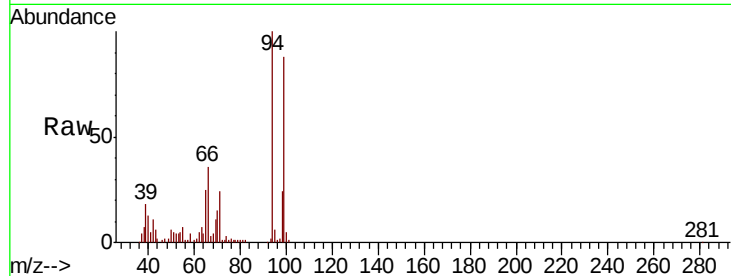
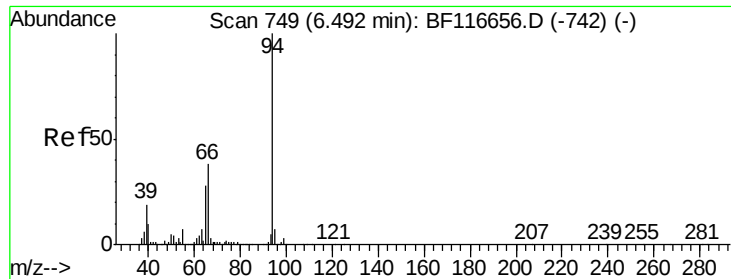
105 83.3 76.7 116.7

106 73.2 73.1 113.1



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





#10

Phenol

Concen: 5.662 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Instrument :

BNA_F

ClientSampleId :

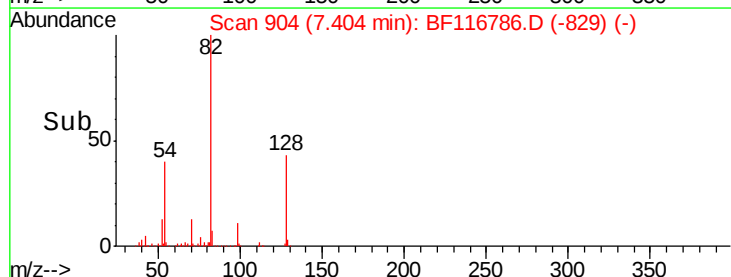
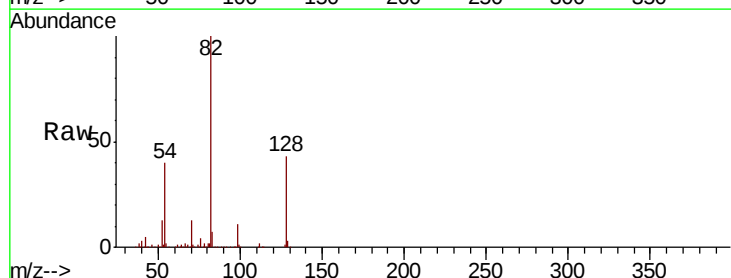
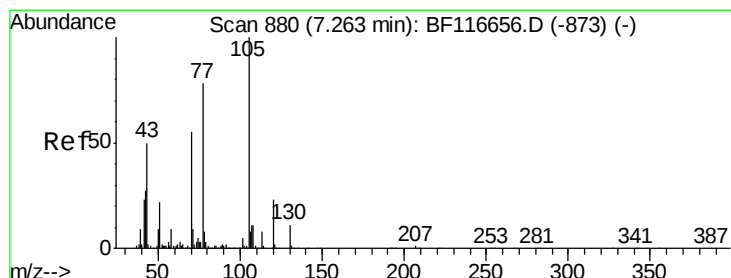
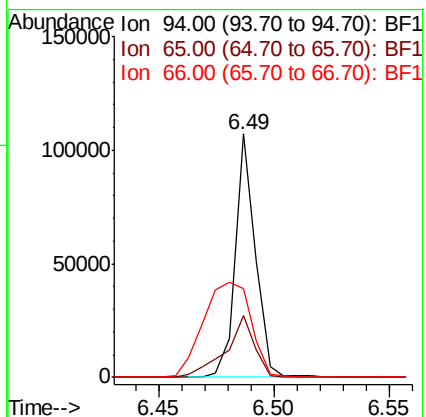
Tot Ion: 94 Resp: 64773

Ion Ratio Lower Upper

94 100

65 25.3 10.8 50.8

66 36.5 21.1 61.1



#19

n-Nitroso-di-n-propylamine

Concen: 10.549 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Tgt Ion: 70 Resp: 71761

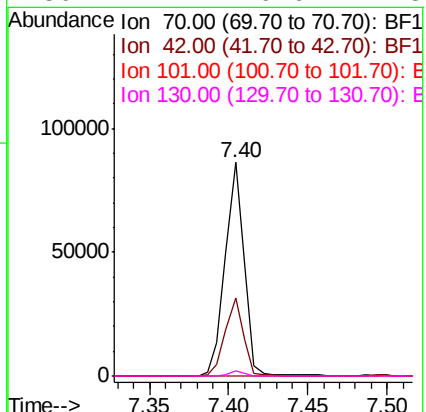
Ion Ratio Lower Upper

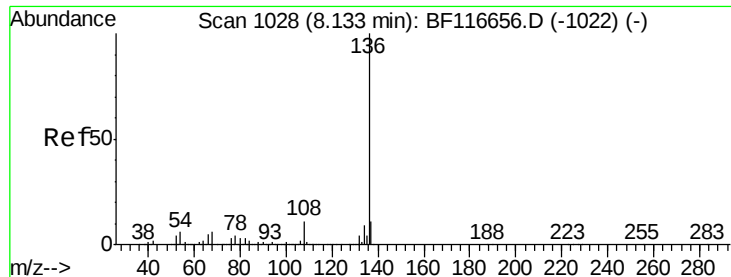
70 100

42 36.8 43.5 65.3#

101 0.0 7.8 11.6#

130 2.4 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116786.D

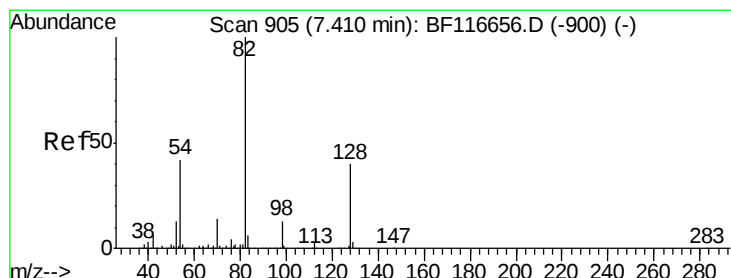
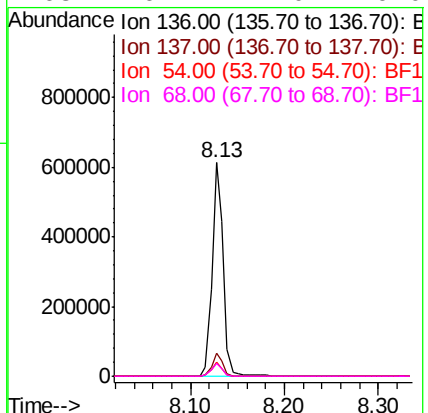
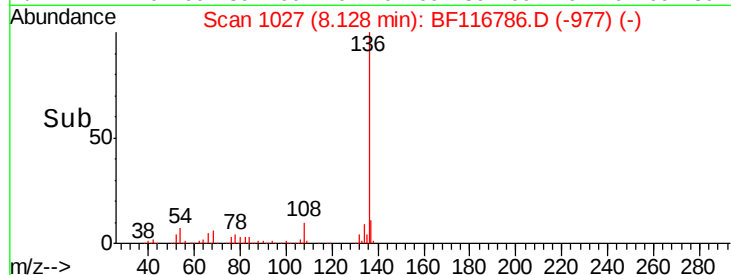
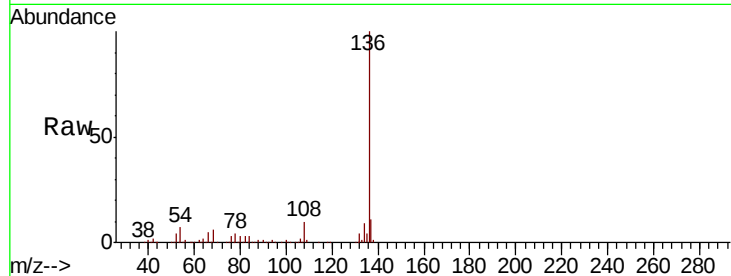
Acq: 3 Sep 2019 21:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	514656
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.6	4.8 7.2
68	6.2	4.0 6.0#



#23

Nitrobenzene-d5

Concen: 60.274 ng

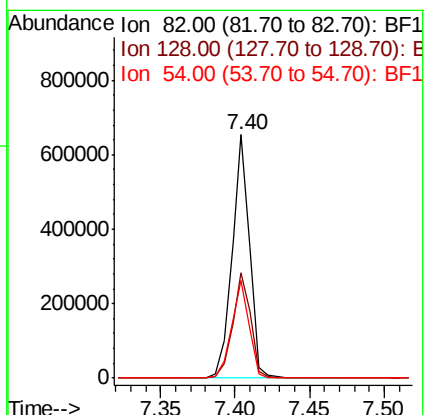
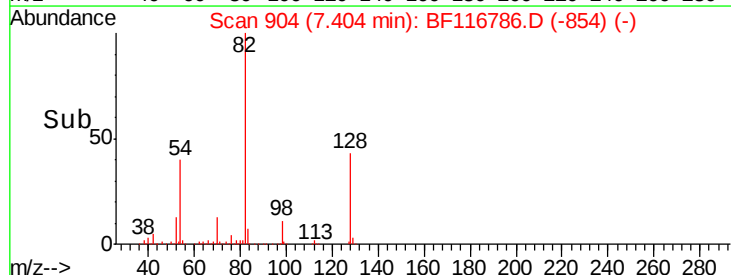
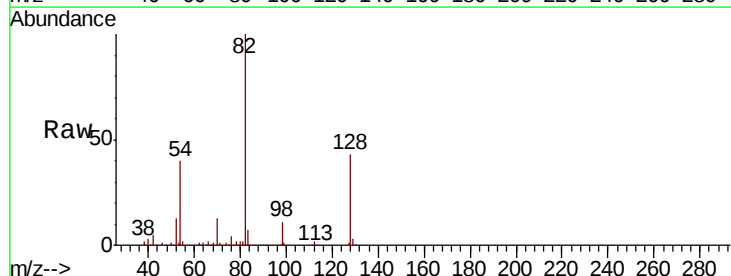
RT: 7.40 min Scan# 904

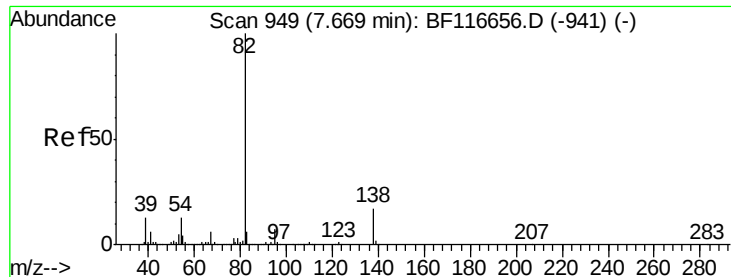
Delta R.T. -0.01 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Tgt Ion: 82	Resp:	543380
Ion Ratio	Lower	Upper
82	100	
128	43.1	32.8 49.2
54	40.2	36.9 55.3





#25

Isophorone

Concen: 29.744 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Instrument :

BNA_F

ClientSampleId :

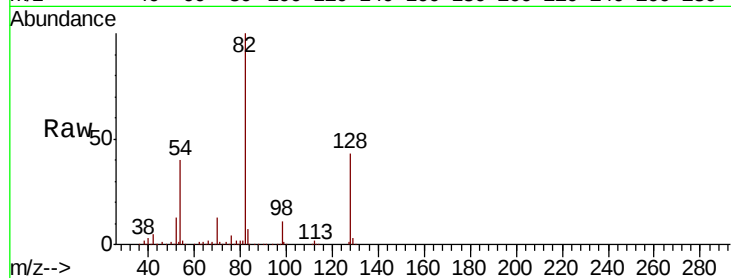
Tot Ion: 82 Resp: 543368

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

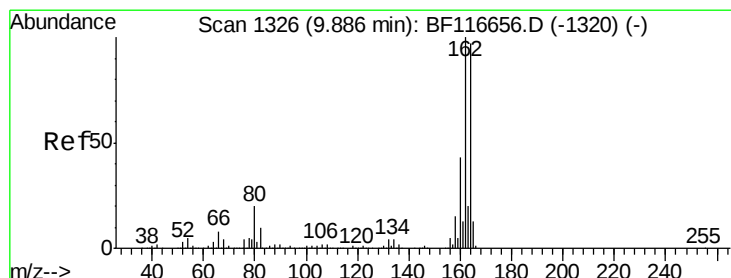
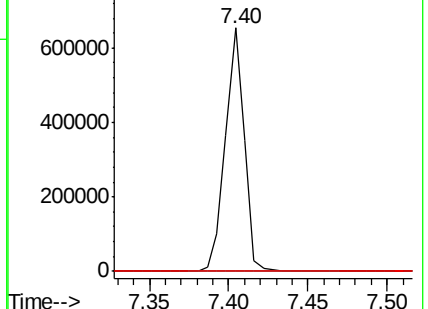
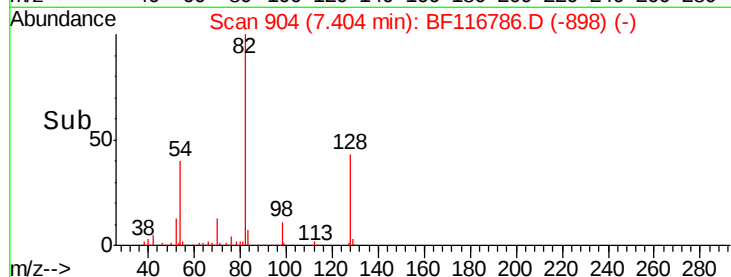
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

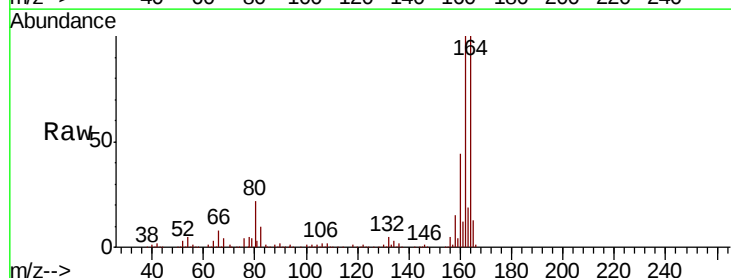
Tgt Ion: 164 Resp: 260975

Ion Ratio Lower Upper

164 100

162 100.0 81.4 122.0

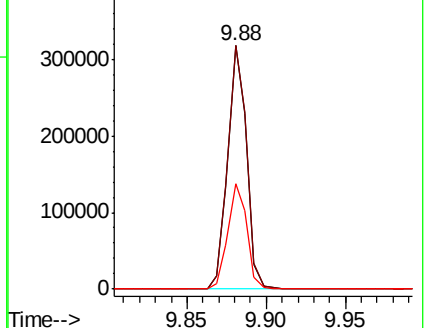
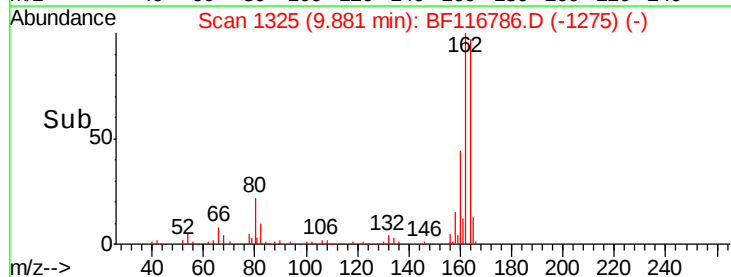
160 43.5 35.4 53.2

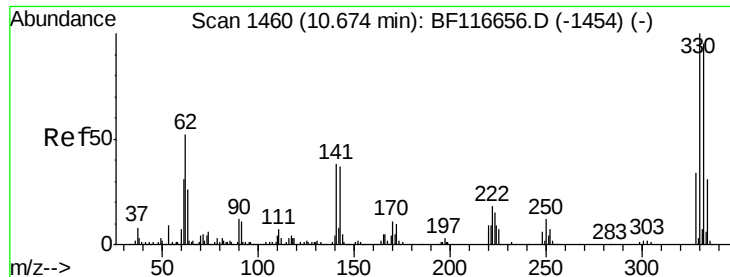


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

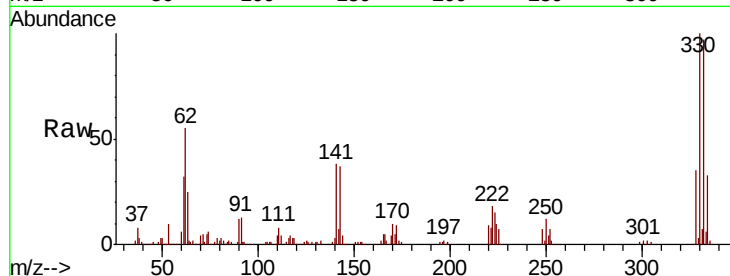




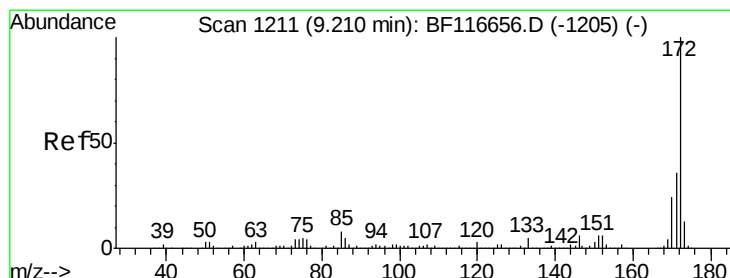
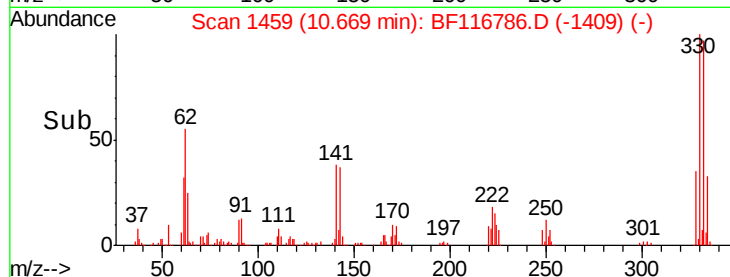
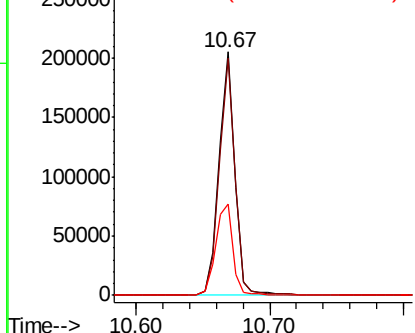
#42
 2,4,6-Tribromophenol
 Concen: 99.950 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116786.D
 Acq: 3 Sep 2019 21:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	40.9	31.4	47.2

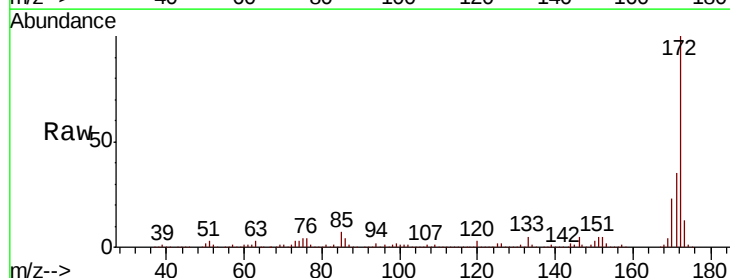


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

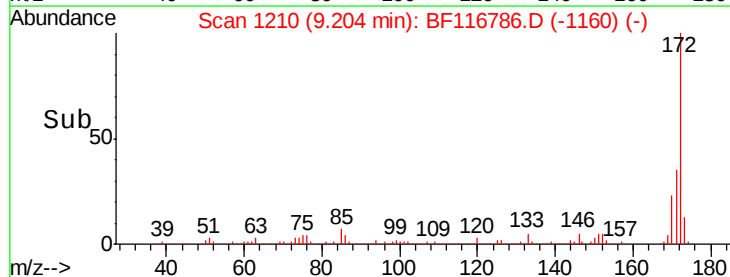
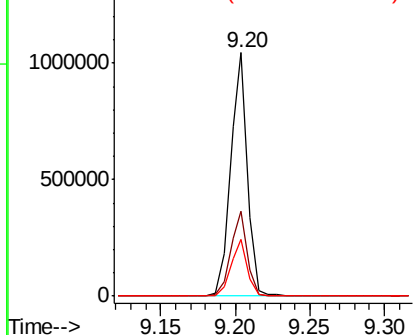


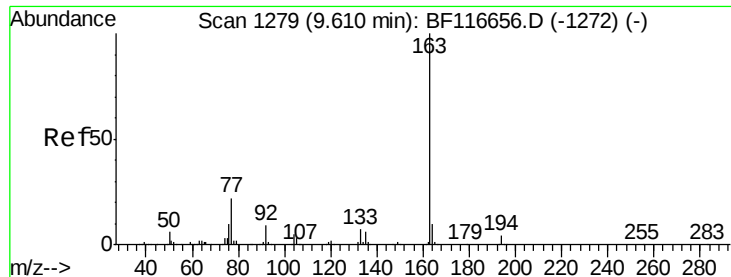
#45
 2-Fluorobiphenyl
 Concen: 53.939 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116786.D
 Acq: 3 Sep 2019 21:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.5	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: 9.032 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Instrument :

BNA_F

ClientSampleId :

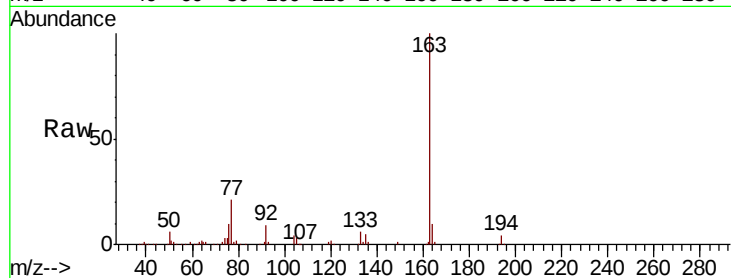
Tot Ion:163 Resp: 162728

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

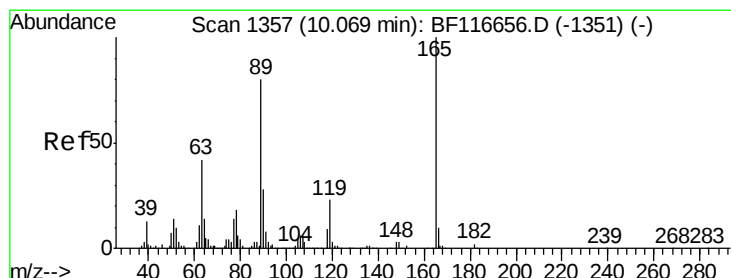
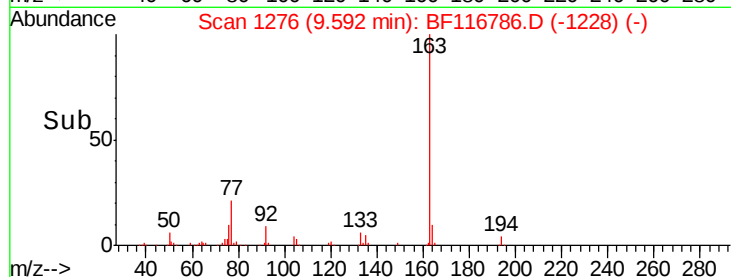
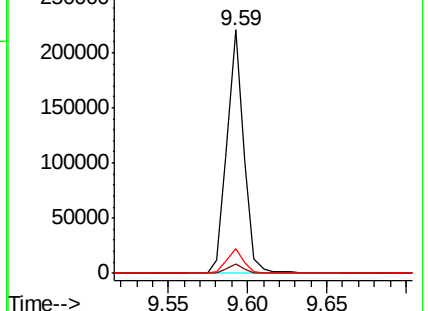
164 10.2 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 8.033 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Tgt Ion:165 Resp: 33767

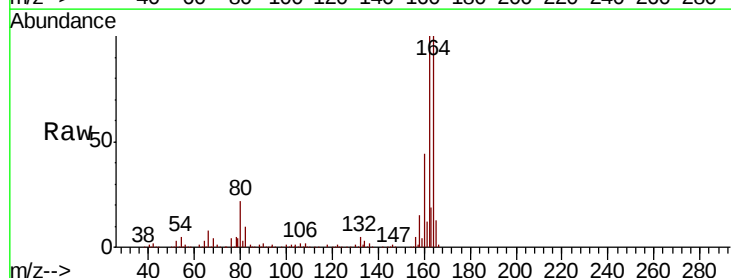
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 62.6 94.0#

182 0.0 2.1 3.1#

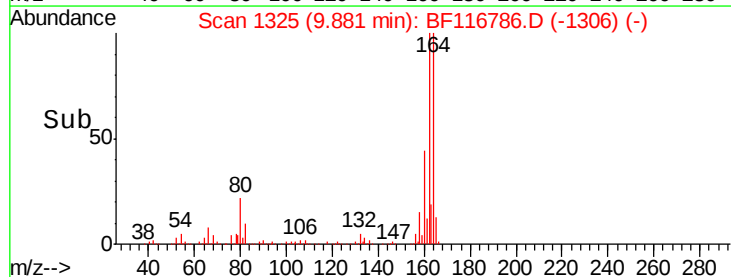
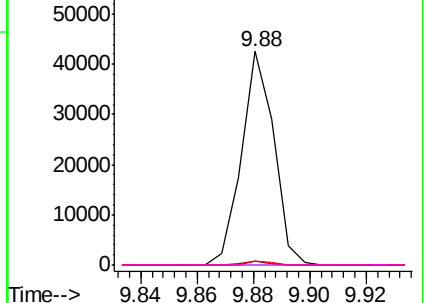


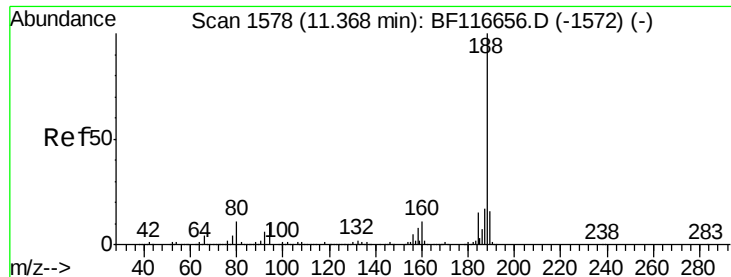
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

Instrument :

BNA_F

ClientSampleId :

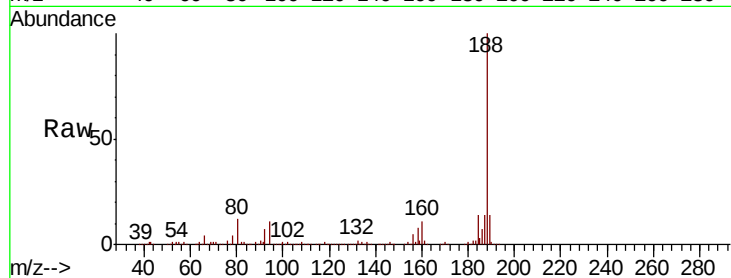
Tot Ion:188 Resp: 403465

Ion Ratio Lower Upper

188 100

94 11.2 7.3 10.9#

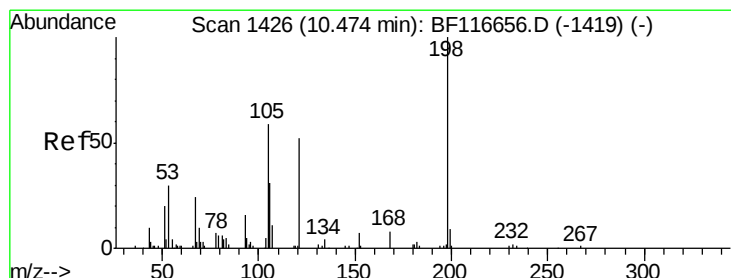
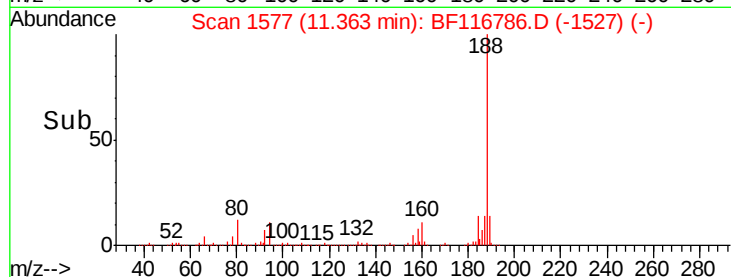
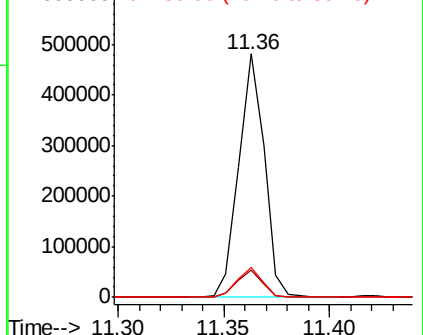
80 12.4 8.4 12.6



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: 7.661 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116786.D

Acq: 3 Sep 2019 21:26

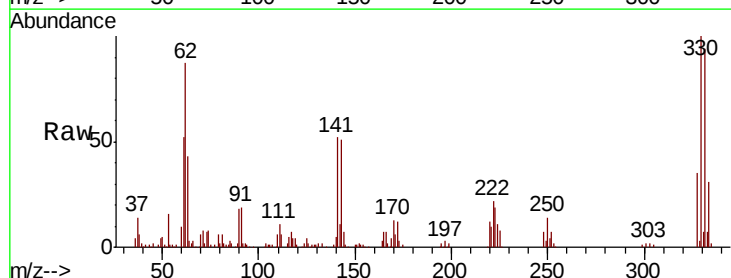
Tgt Ion:198 Resp: 369

Ion Ratio Lower Upper

198 100

51 146.9 18.4 58.4#

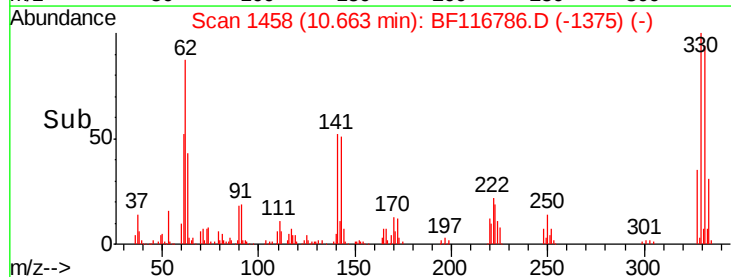
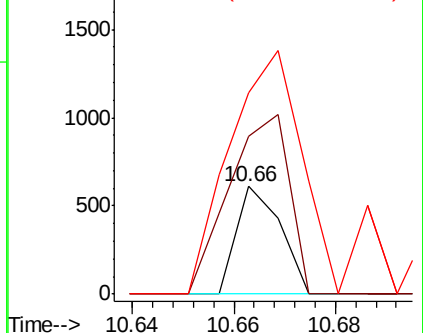
105 187.2 22.9 62.9#

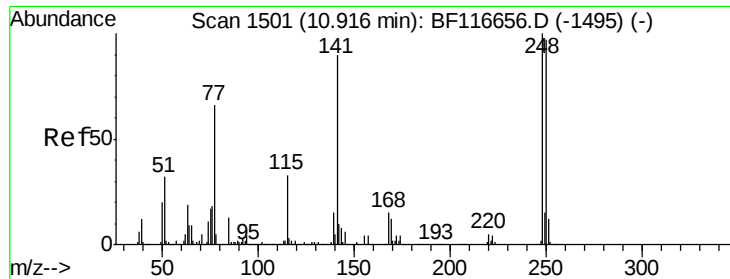


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

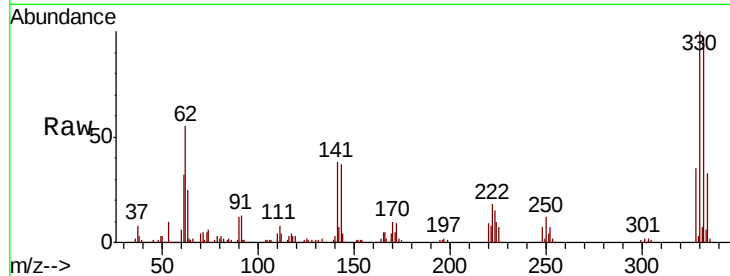




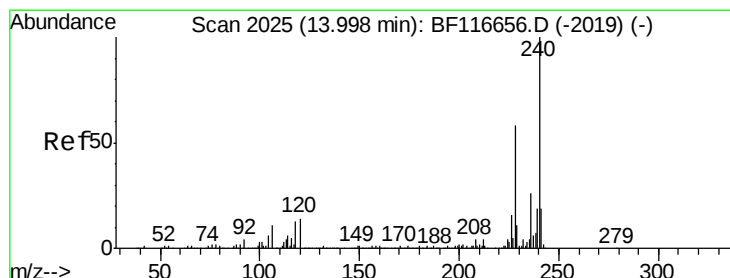
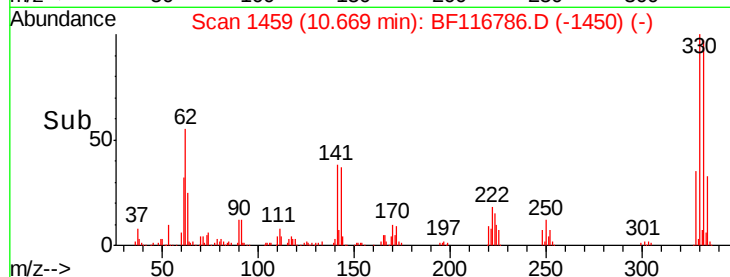
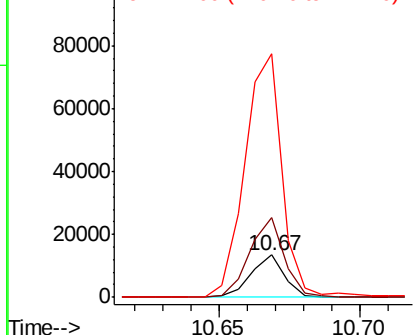
#67
 4-Bromophenyl-phenylether
 Concen: 2.678 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116786.D
 Acq: 3 Sep 2019 21:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 10977
 Ion Ratio Lower Upper
 248 100
 250 188.9 77.8 116.8#
 141 576.0 75.9 113.9#

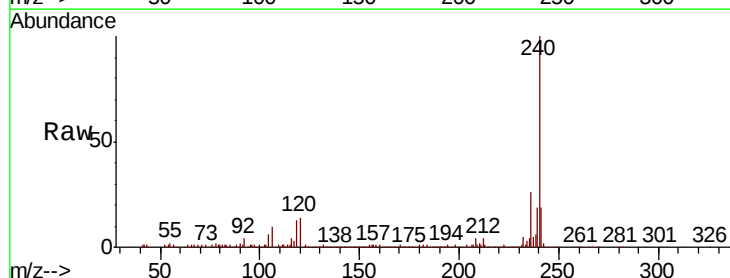


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

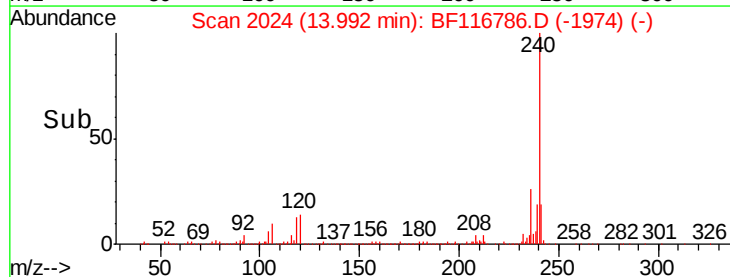
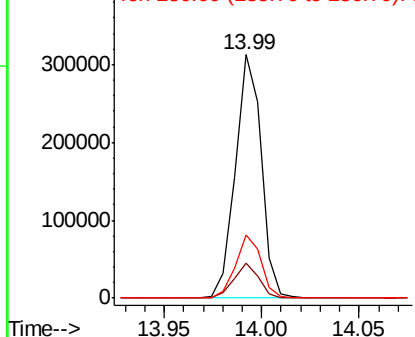


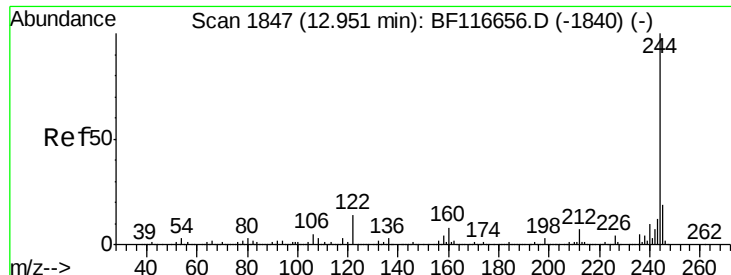
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116786.D
 Acq: 3 Sep 2019 21:26

Tgt Ion:240 Resp: 288243
 Ion Ratio Lower Upper
 240 100
 120 14.4 9.1 13.7#
 236 25.9 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

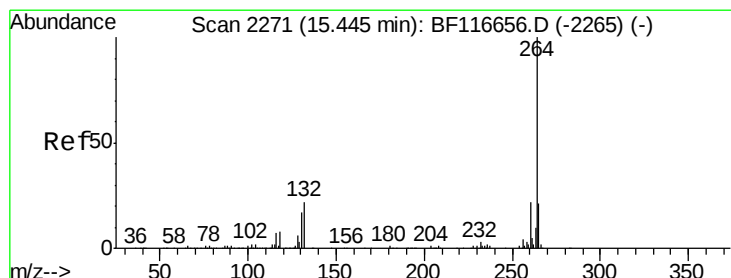
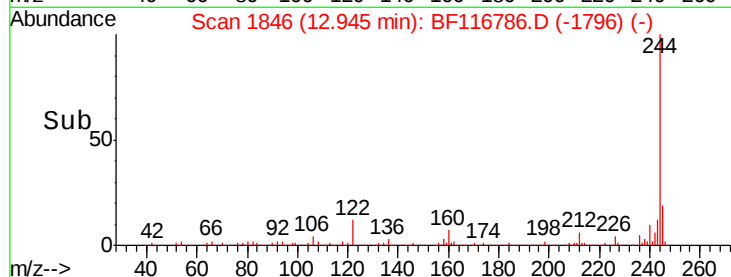
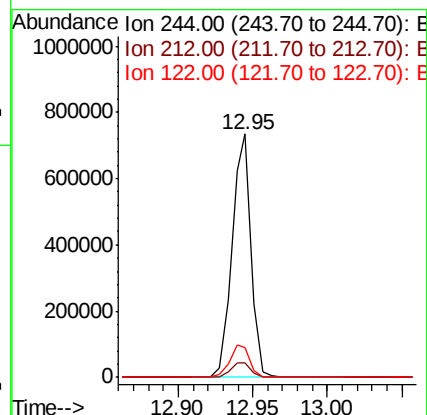
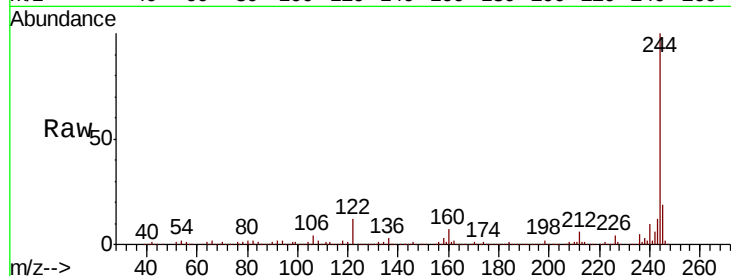




#79
 Terphenyl-d14
 Concen: 42.395 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116786.D
 Acq: 3 Sep 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.1	9.1
122	12.1	10.2	15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF116786.D
 Acq: 3 Sep 2019 21:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	20.7	16.5	24.7

