

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114442.D
 Acq On : 20 May 2019 16:55
 Operator : JU/SJ
 Sample : K2894-03RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 17:22:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

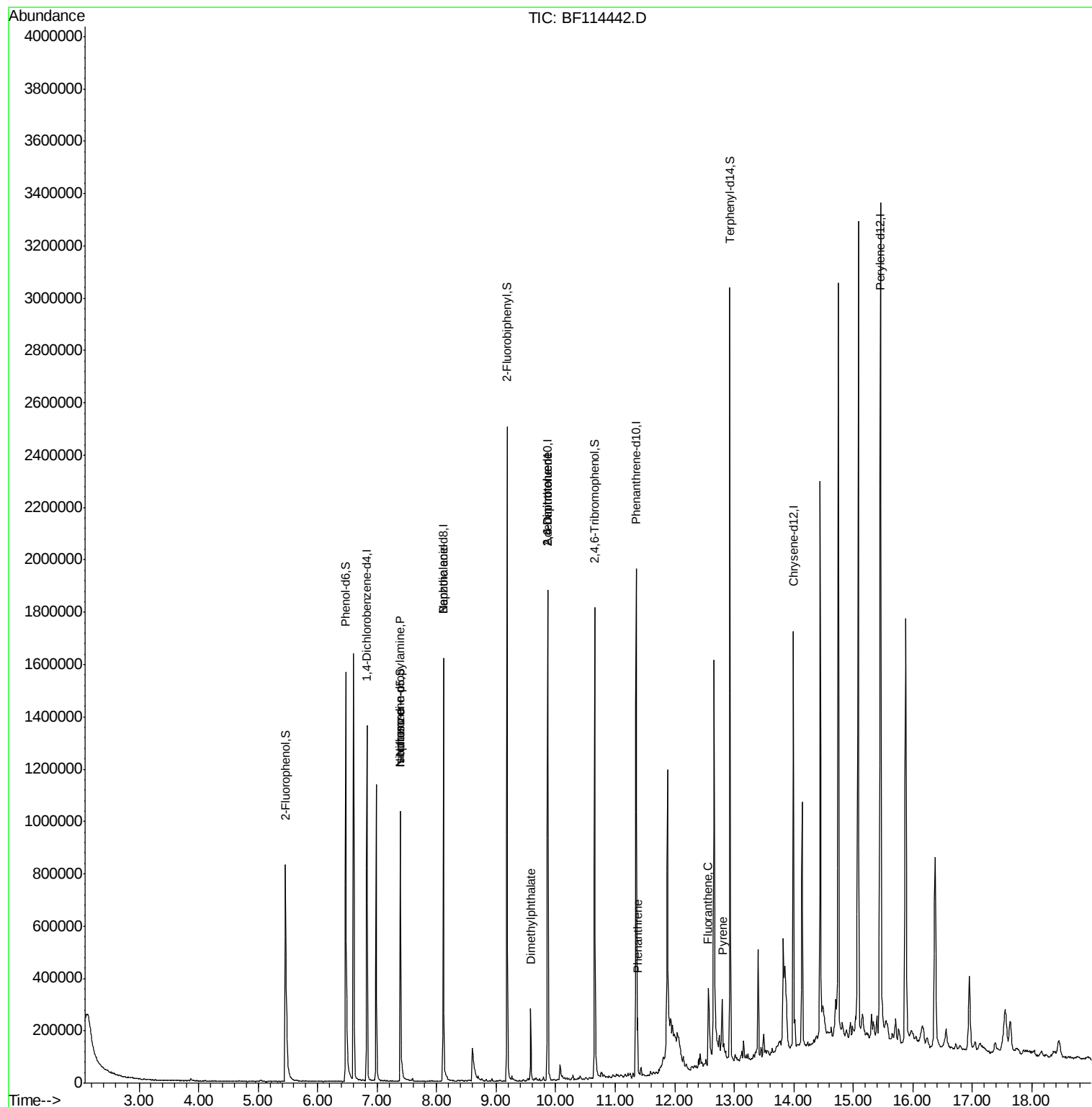
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	192107	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	760104	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	355385	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	710236	20.00	ng	0.00
76) Chrysene-d12	13.99	240	510189	20.00	ng	-0.01
87) Perylene-d12	15.46	264	506754	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	388770	32.57	ng	-0.01
7) Phenol-d6	6.47	99	636613	45.09	ng	-0.02
23) Nitrobenzene-d5	7.39	82	358305	26.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	227607	61.95	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	791404	33.69	ng	-0.01
79) Terphenyl-d14	12.93	244	993175	40.13	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	45049	5.034	ng	# 76
25) Isophorone	7.39	82	358303	14.264	ng	# 64
32) Benzoic acid	8.11	122	161	7.039	ng	# 1
50) Dimethylphthalate	9.58	163	116167	4.453	ng	98
51) 2,6-Dinitrotoluene	9.86	165	46793	8.087	ng	# 22
57) 2,4-Dinitrotoluene	9.86	165	46793	5.958	ng	# 25
71) Phenanthrene	11.37	178	73814	2.136	ng	96
75) Fluoranthene	12.56	202	94493	2.539	ng	97
78) Pyrene	12.79	202	87607	2.135	ng	95

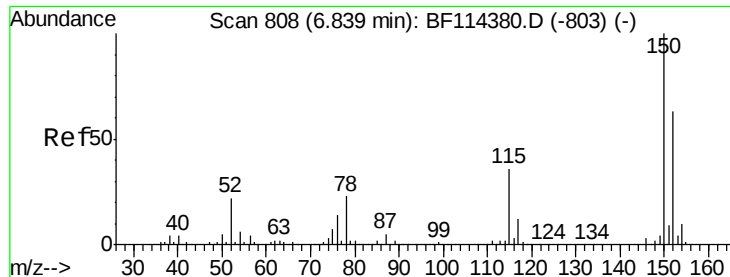
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 17:22:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 04:47:40 2019
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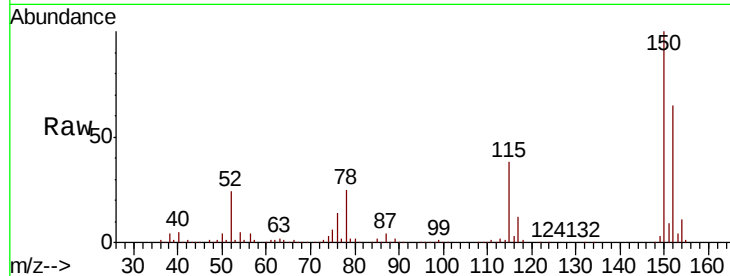


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114442.D
Acq: 20 May 2019 16:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.3	186.5
115	58.3	49.1	73.7

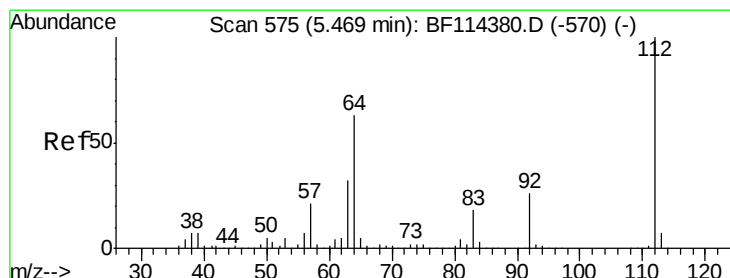
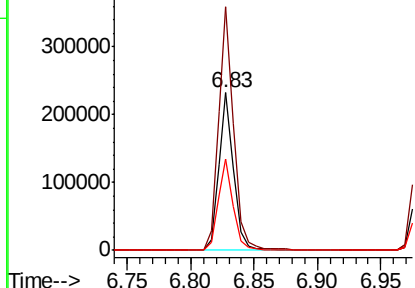
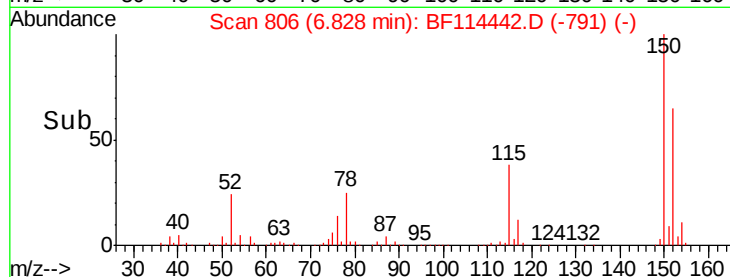


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

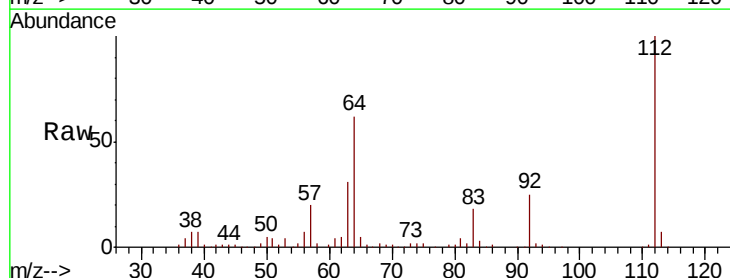
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 32.567 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114442.D
Acq: 20 May 2019 16:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.0	73.6
63	31.2	24.6	37.0

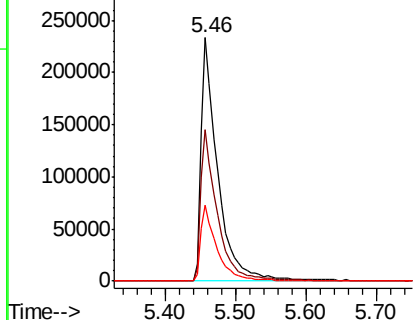
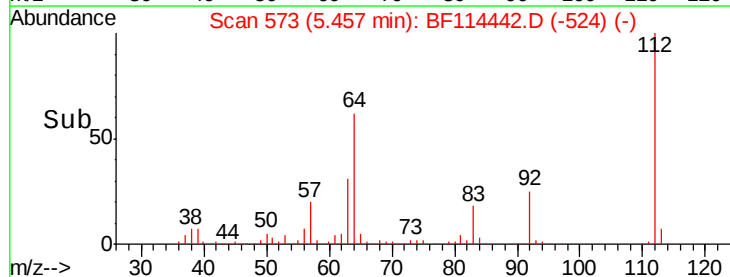


Abundance

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: 45.089 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

Instrument :

BNA_F

ClientSampleId :

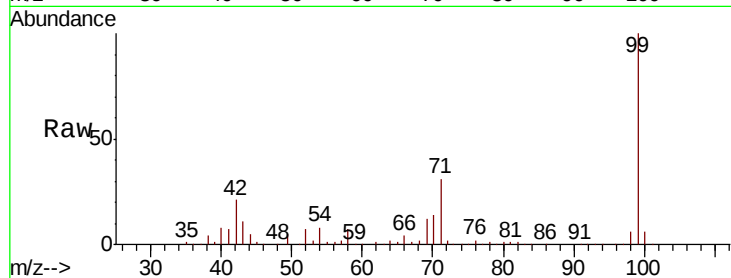
Tot Ion: 99 Resp: 636613

Ion Ratio Lower Upper

99 100

42 21.3 17.9 26.9

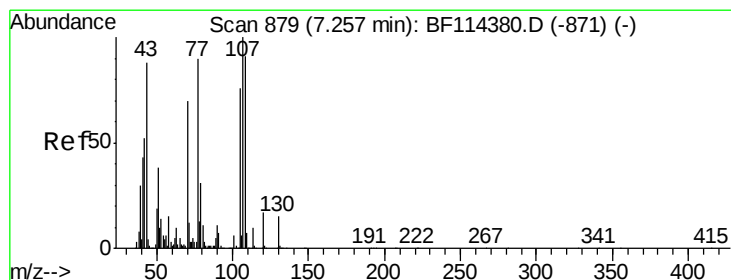
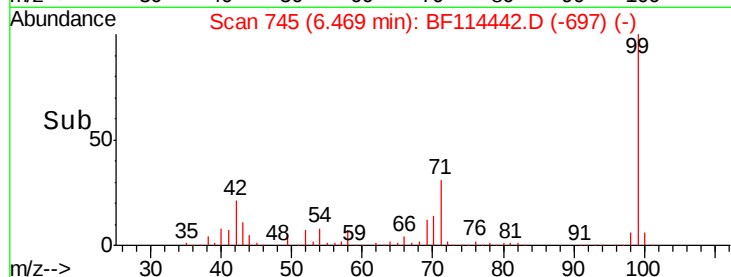
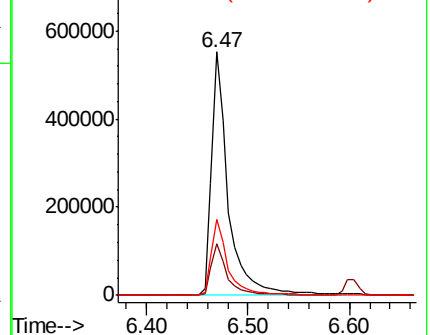
71 31.4 26.2 39.2



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: 5.034 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.13 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

Tgt Ion: 70 Resp: 45049

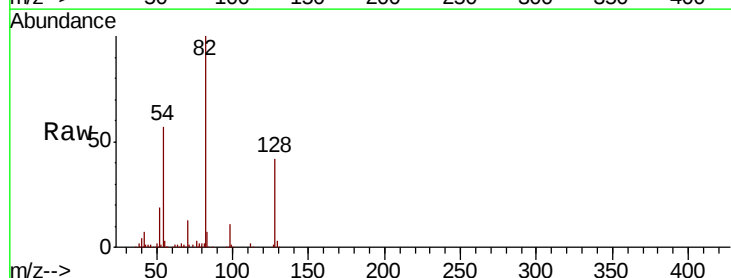
Ion Ratio Lower Upper

70 100

42 56.9 58.6 87.8#

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#

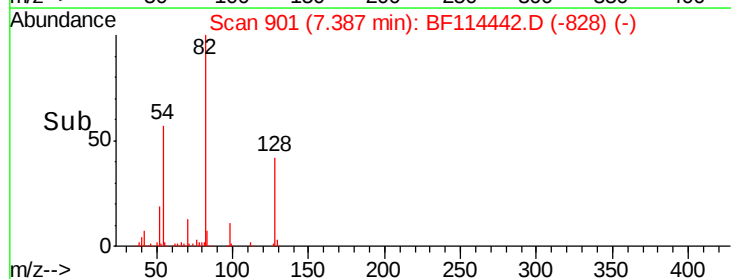
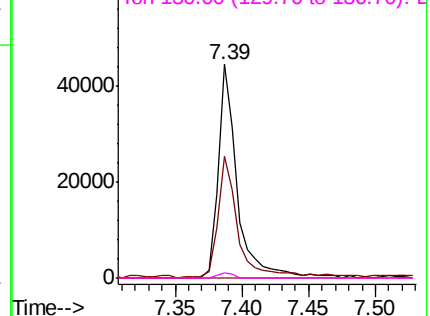


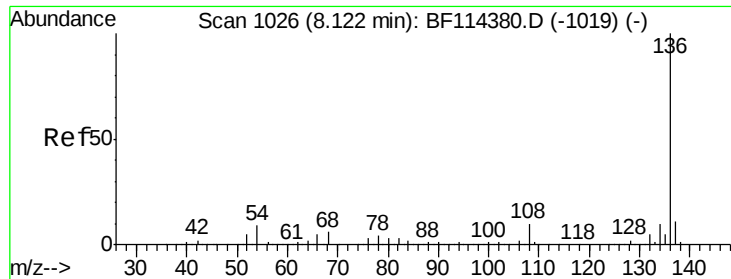
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

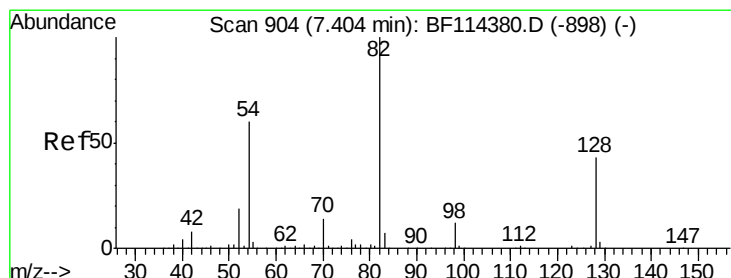
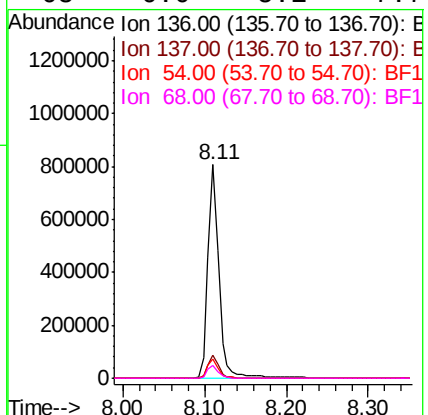
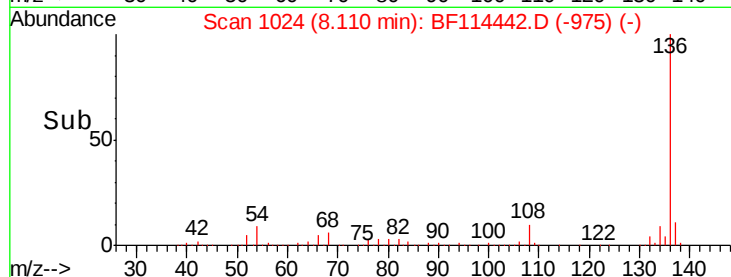
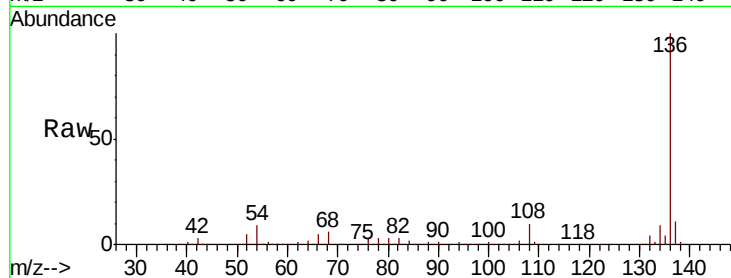




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114442.D
Acq: 20 May 2019 16:55

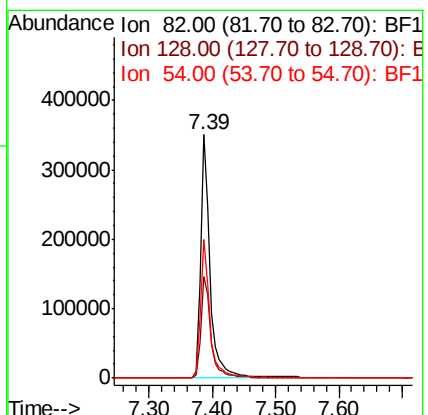
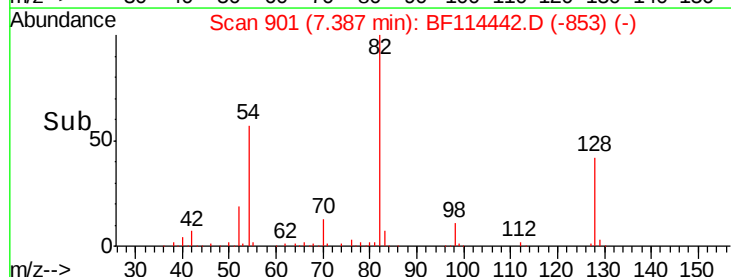
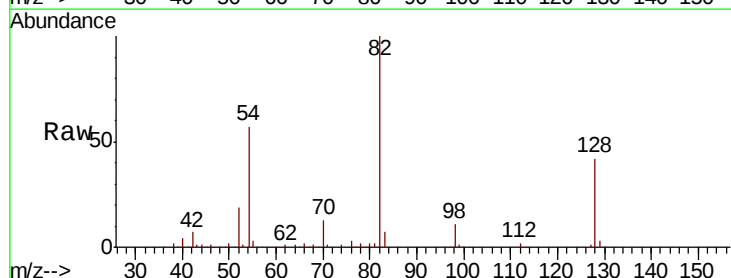
Instrument :
BNA_F
ClientSampleId :

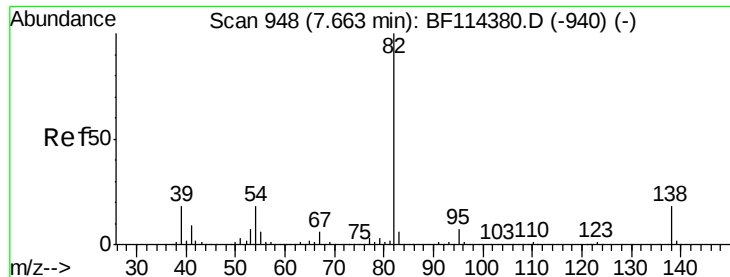
Tot Ion:136	Resp:	760104
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	9.3	7.8 11.8
68	6.0	5.1 7.7



#23
Nitrobenzene-d5
Concen: 26.454 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF114442.D
Acq: 20 May 2019 16:55

Tgt Ion: 82	Resp:	358305
Ion	Ratio	Lower Upper
82	100	
128	41.9	35.5 53.3
54	57.0	48.5 72.7





#25

Isophorone

Concen: 14.264 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

Instrument :

BNA_F

ClientSampleId :

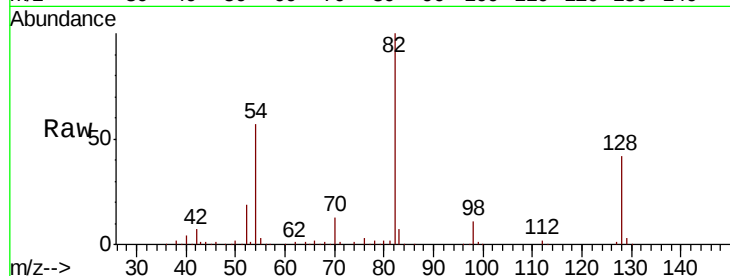
Tot Ion: 82 Resp: 358303

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

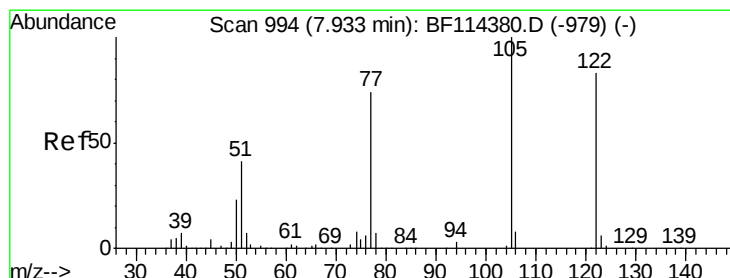
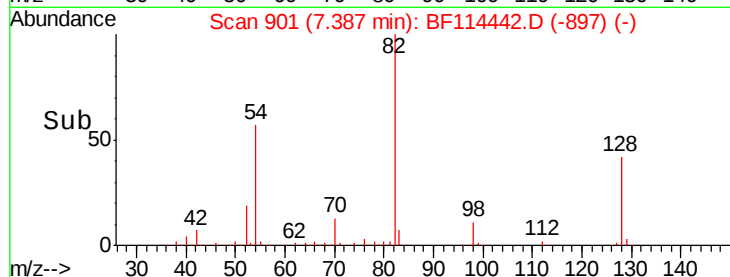
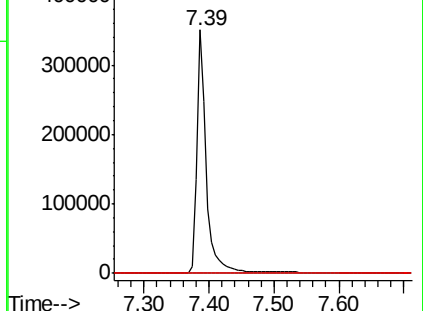
138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 7.039 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.18 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

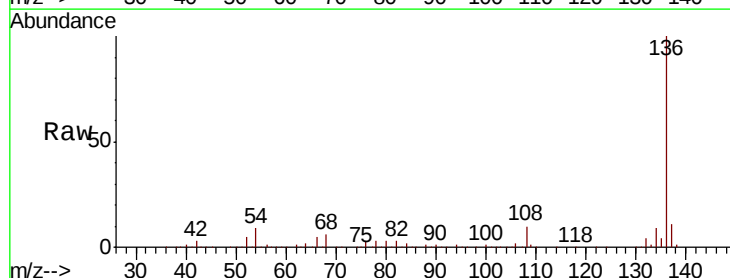
Tgt Ion: 122 Resp: 161

Ion Ratio Lower Upper

122 100

105 153.8 99.9 139.9#

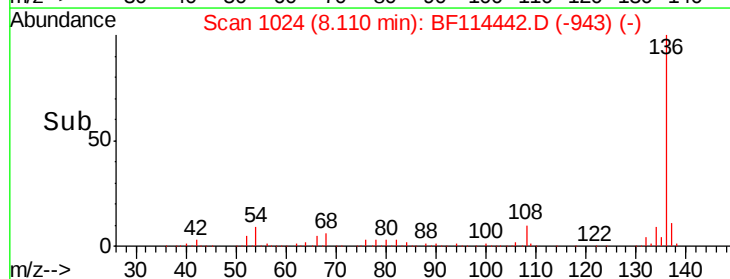
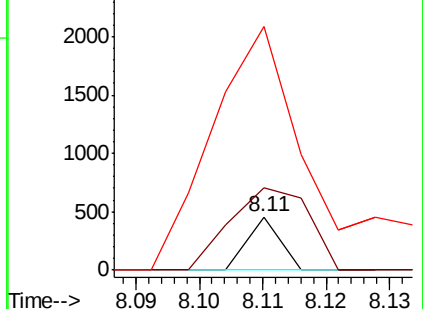
77 458.5 69.4 109.4#

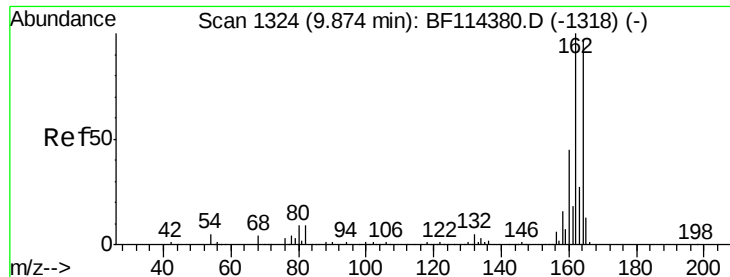


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

Instrument :

BNA_F

ClientSampleId :

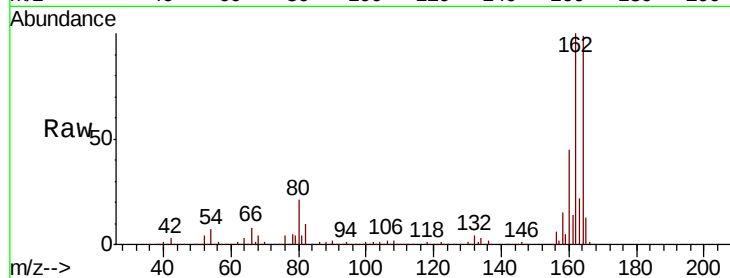
Tot Ion:164 Resp: 355385

Ion Ratio Lower Upper

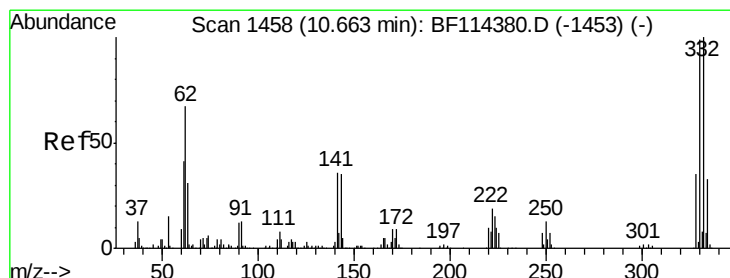
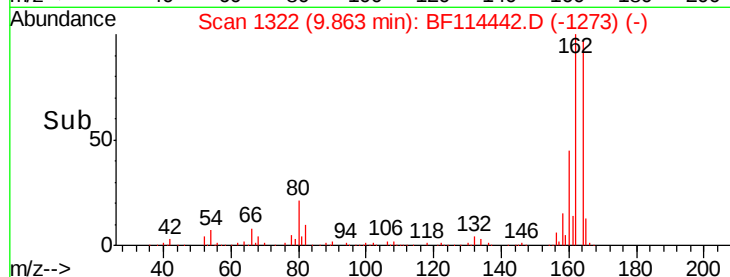
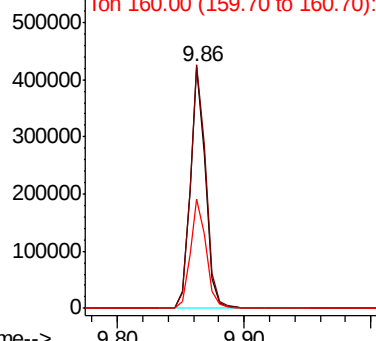
164 100

162 100.9 80.6 120.8

160 45.2 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: 61.949 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

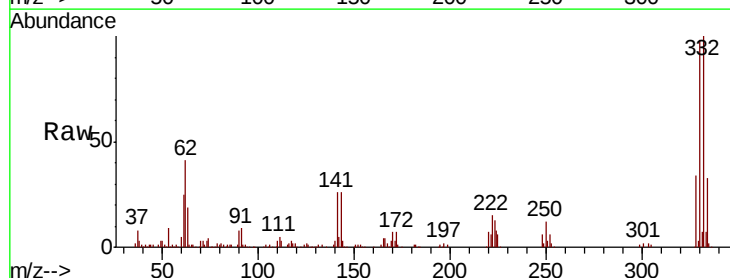
Tgt Ion:330 Resp: 227607

Ion Ratio Lower Upper

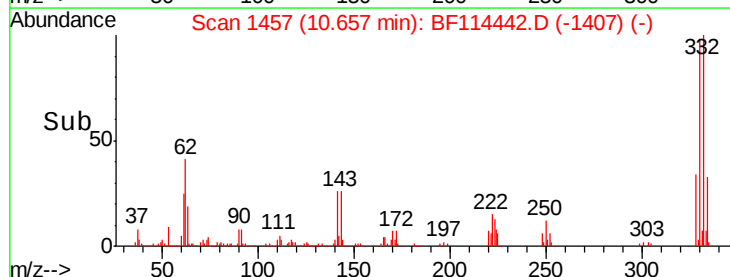
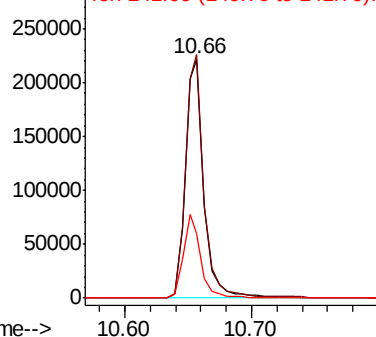
330 100

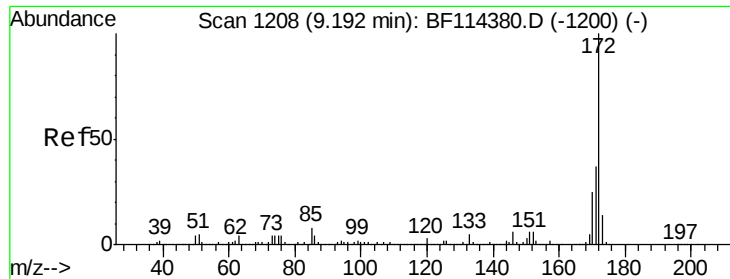
332 102.0 81.4 122.2

141 33.4 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

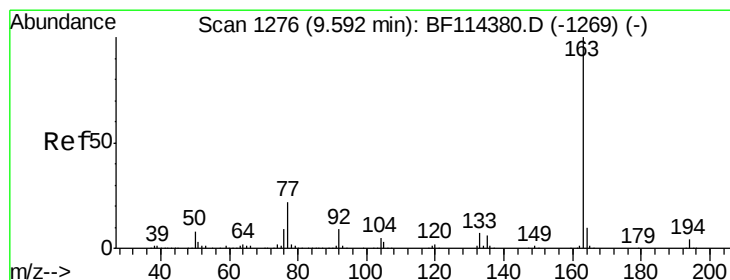
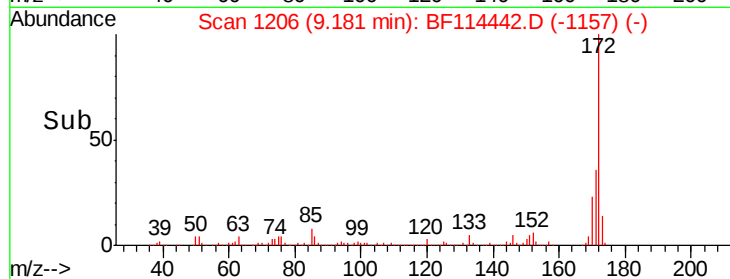
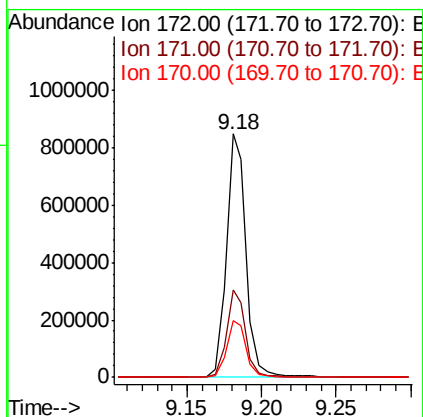
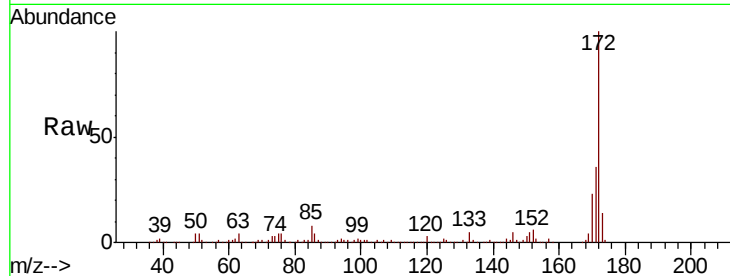




#45
 2-Fluorobiphenyl
 Concen: 33.685 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

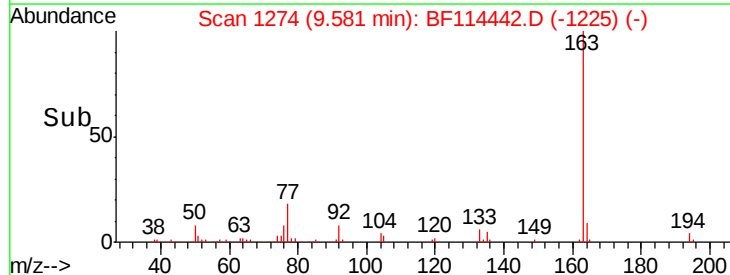
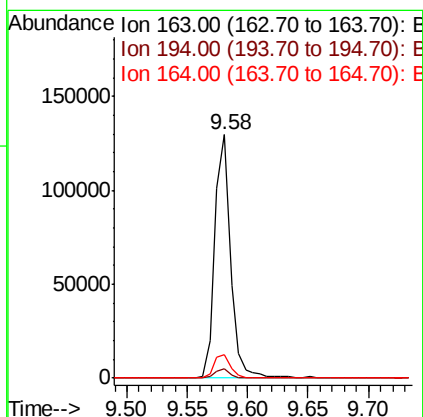
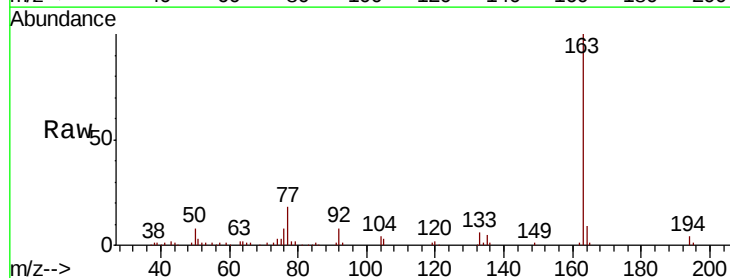
Instrument :
 BNA_F
 ClientSampled :

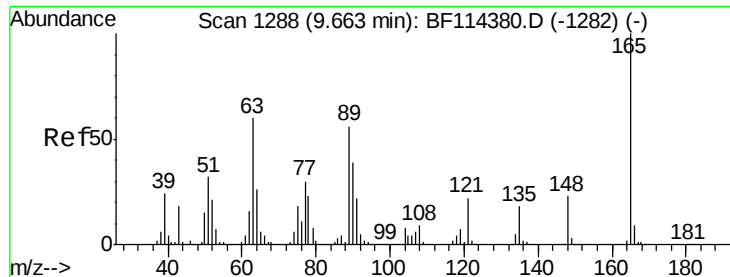
Tot Ion:172 Resp: 791404
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.7 46.1
 170 23.1 20.5 30.7



#50
 Dimethylphthalate
 Concen: 4.453 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

Tgt Ion:163 Resp: 116167
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.4 5.0
 164 9.4 8.2 12.2

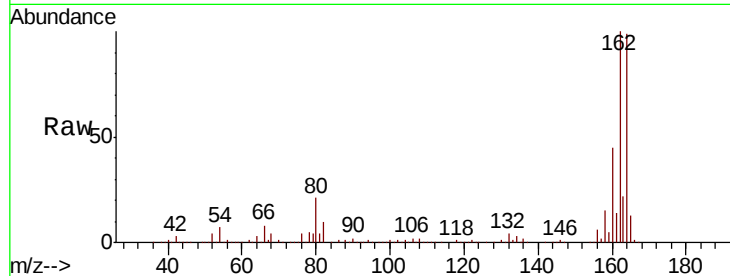




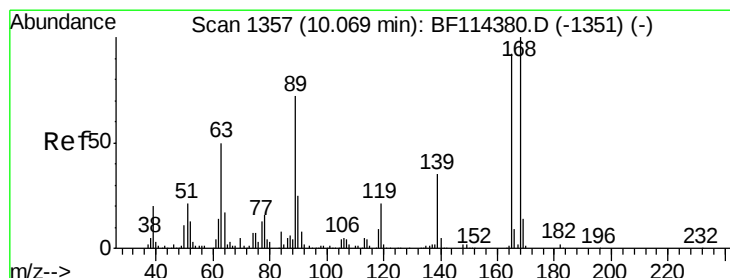
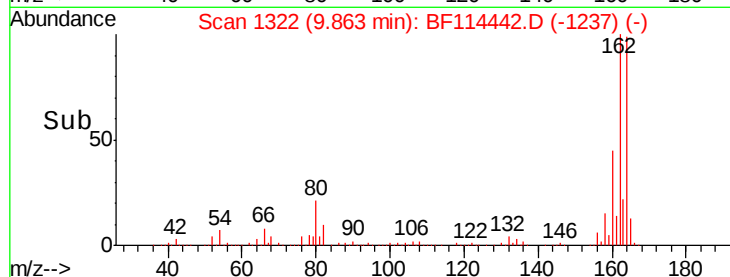
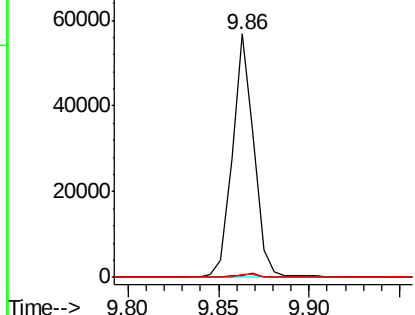
#51
 2,6-Dinitrotoluene
 Concen: 8.087 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.20 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	50.2	75.4#
89	1.3	46.6	69.8#



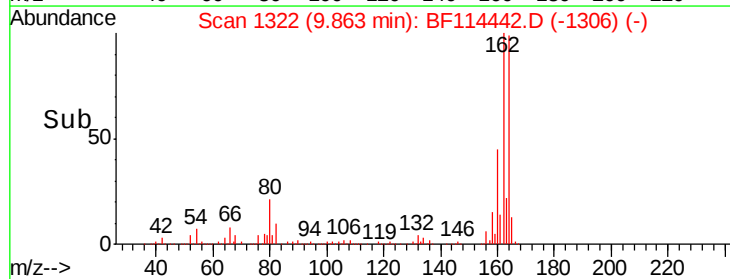
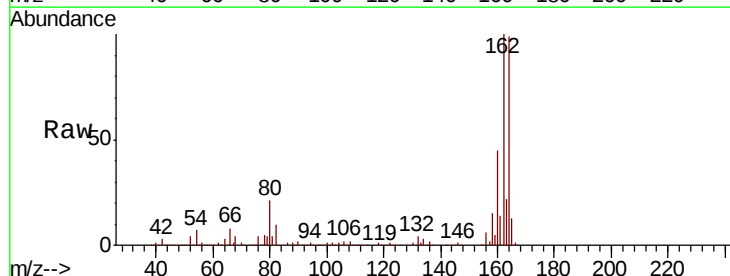
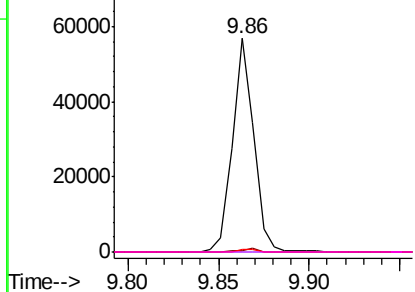
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

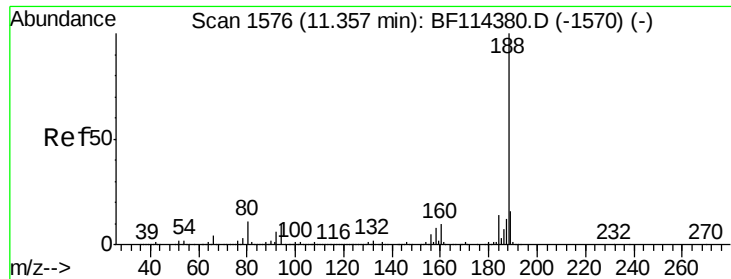


#57
 2,4-Dinitrotoluene
 Concen: 5.958 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	35.5	53.3#
89	1.3	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

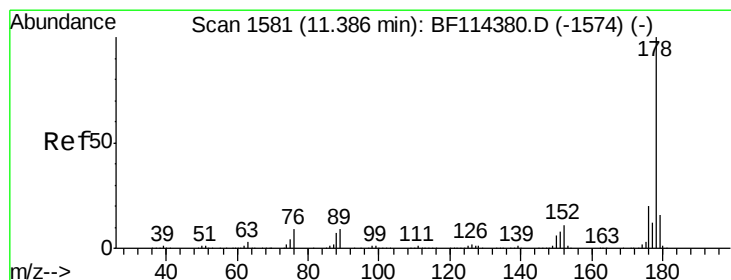
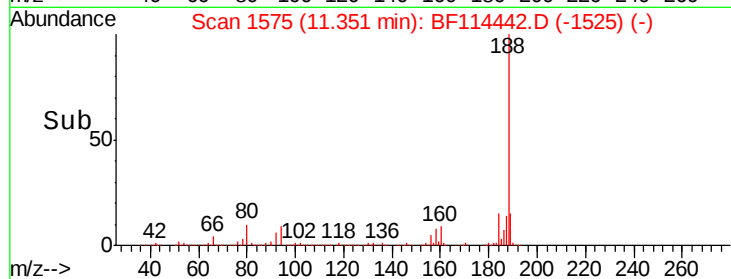
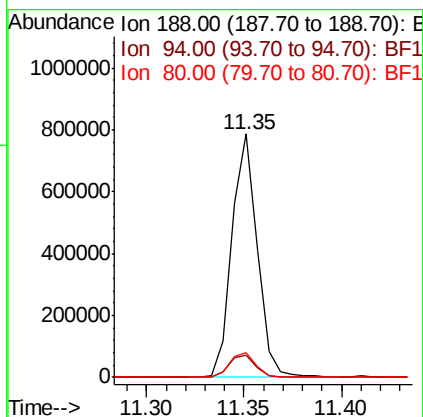
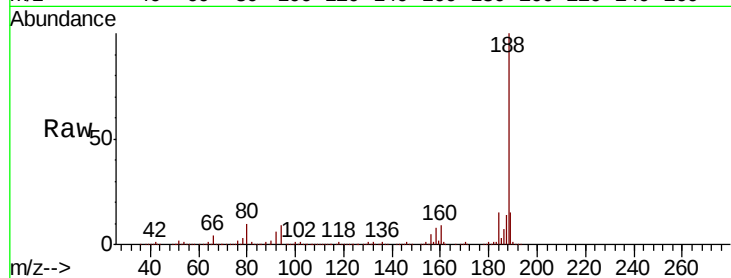




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

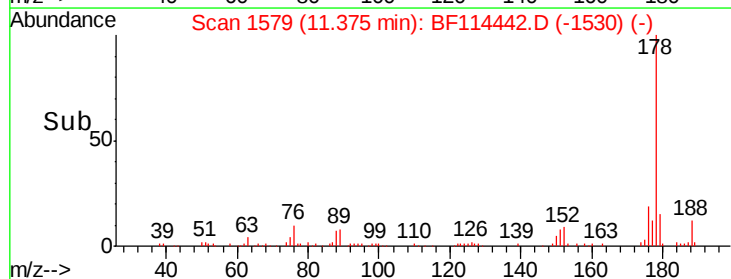
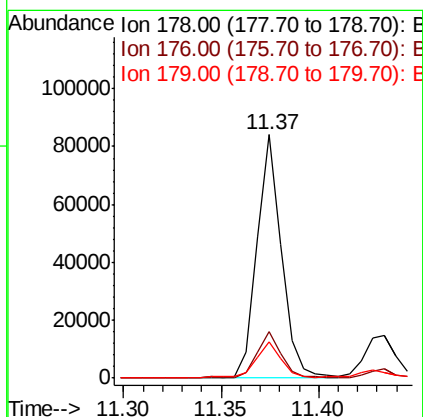
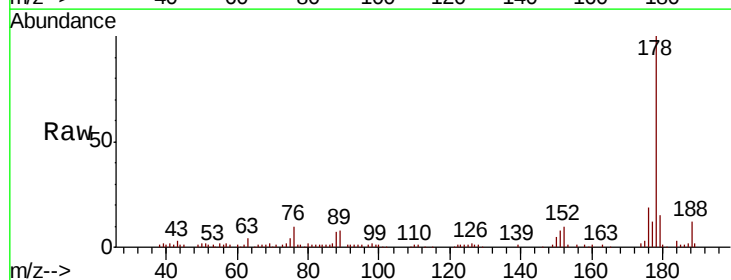
Instrument :
 BNA_F
 ClientSampled :

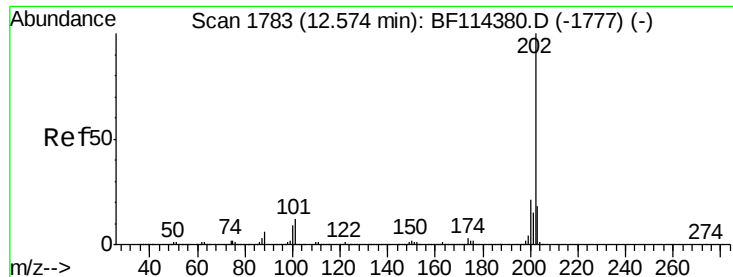
Tot Ion:188 Resp: 710236
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.4 12.6
 80 10.2 9.2 13.8



#71
 Phenanthrene
 Concen: 2.136 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

Tgt Ion:178 Resp: 73814
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.4 24.6
 179 14.7 13.2 19.8





#75

Fluoranthene

Concen: 2.539 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

Instrument :

BNA_F

ClientSampleId :

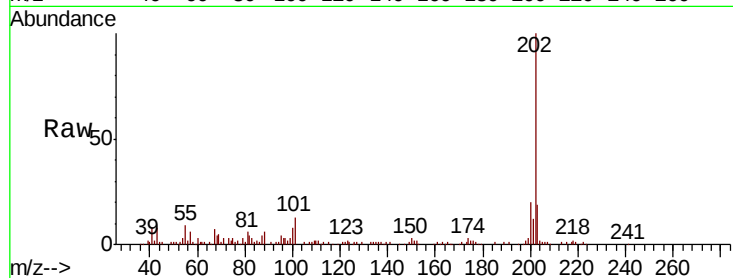
Tot Ion:202 Resp: 94493

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.0

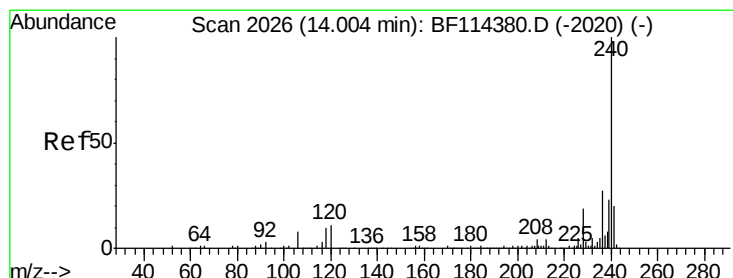
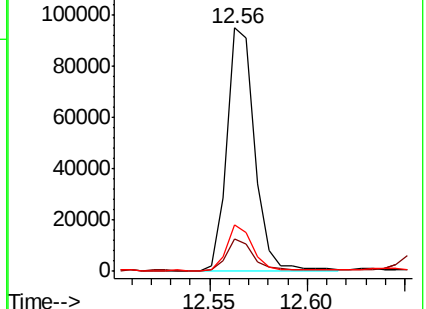
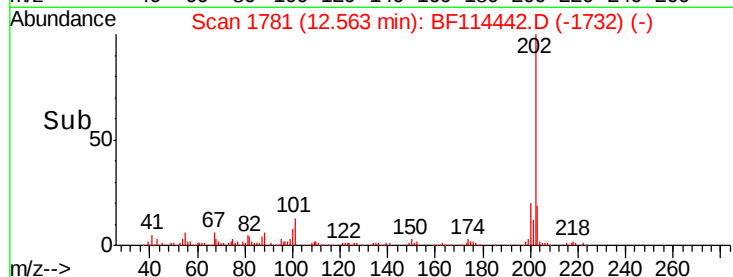
203 18.8 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

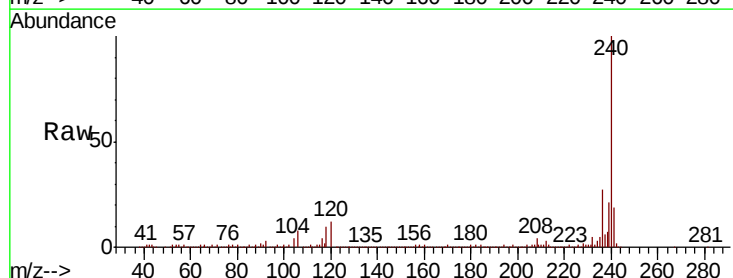
Tgt Ion:240 Resp: 510189

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

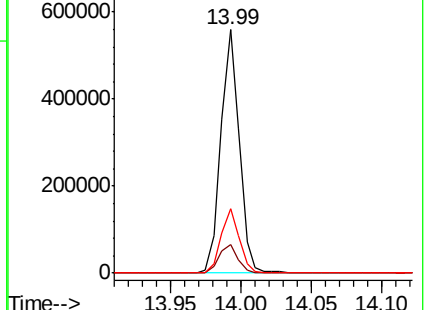
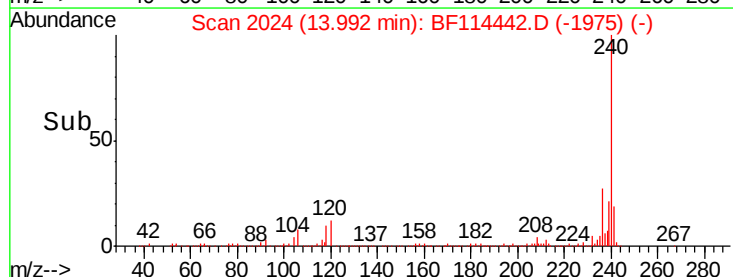
236 26.7 20.8 31.2

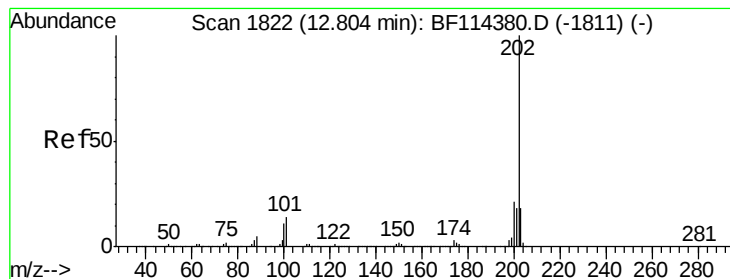


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.135 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

Instrument :

BNA_F

ClientSampleId :

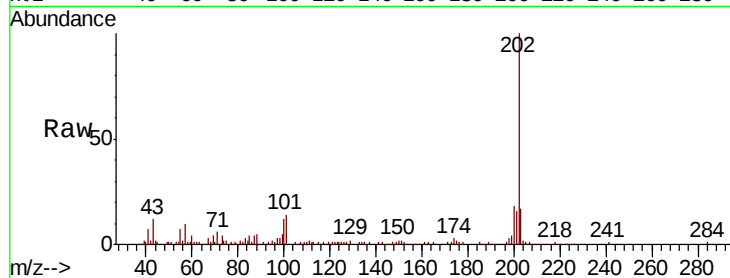
Tot Ion:202 Resp: 87607

Ion Ratio Lower Upper

202 100

200 17.8 16.9 25.3

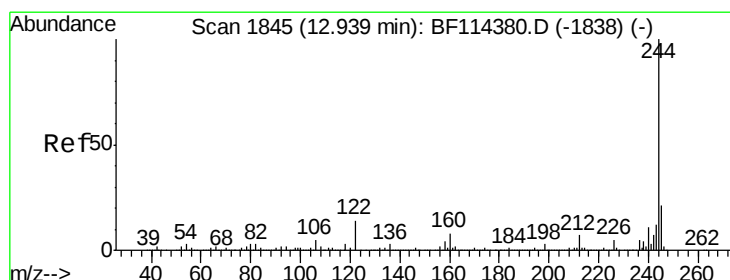
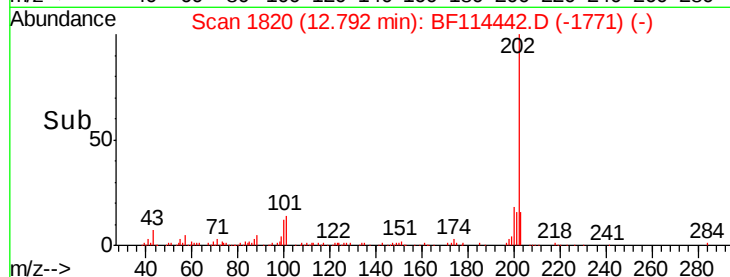
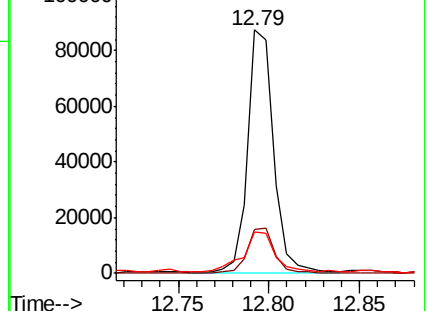
203 17.1 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 40.129 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF114442.D

Acq: 20 May 2019 16:55

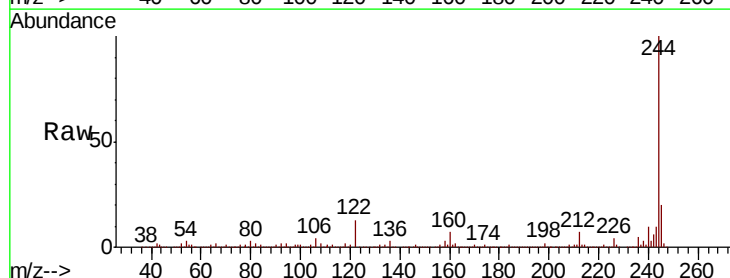
Tgt Ion:244 Resp: 993175

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

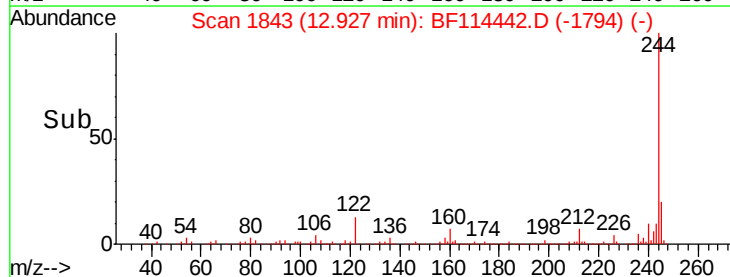
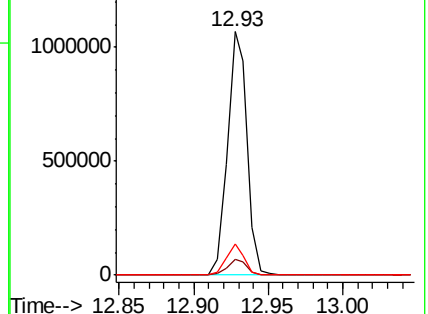
122 13.0 9.4 14.2

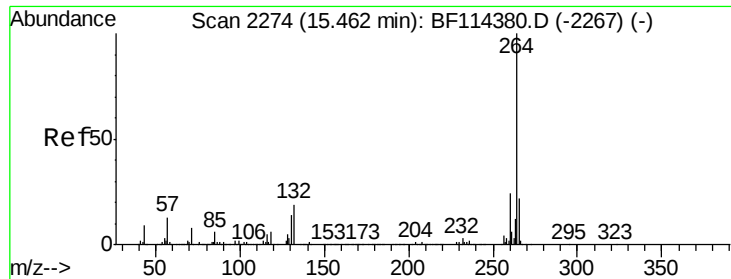


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

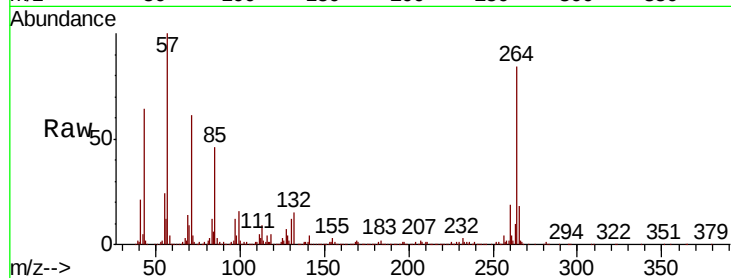




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.01 min
 Lab File: BF114442.D
 Acq: 20 May 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.8	16.9	25.3



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

