

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117175.D
 Acq On : 19 Sep 2019 15:35
 Operator : HP/JU
 Sample : K4959-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:33:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

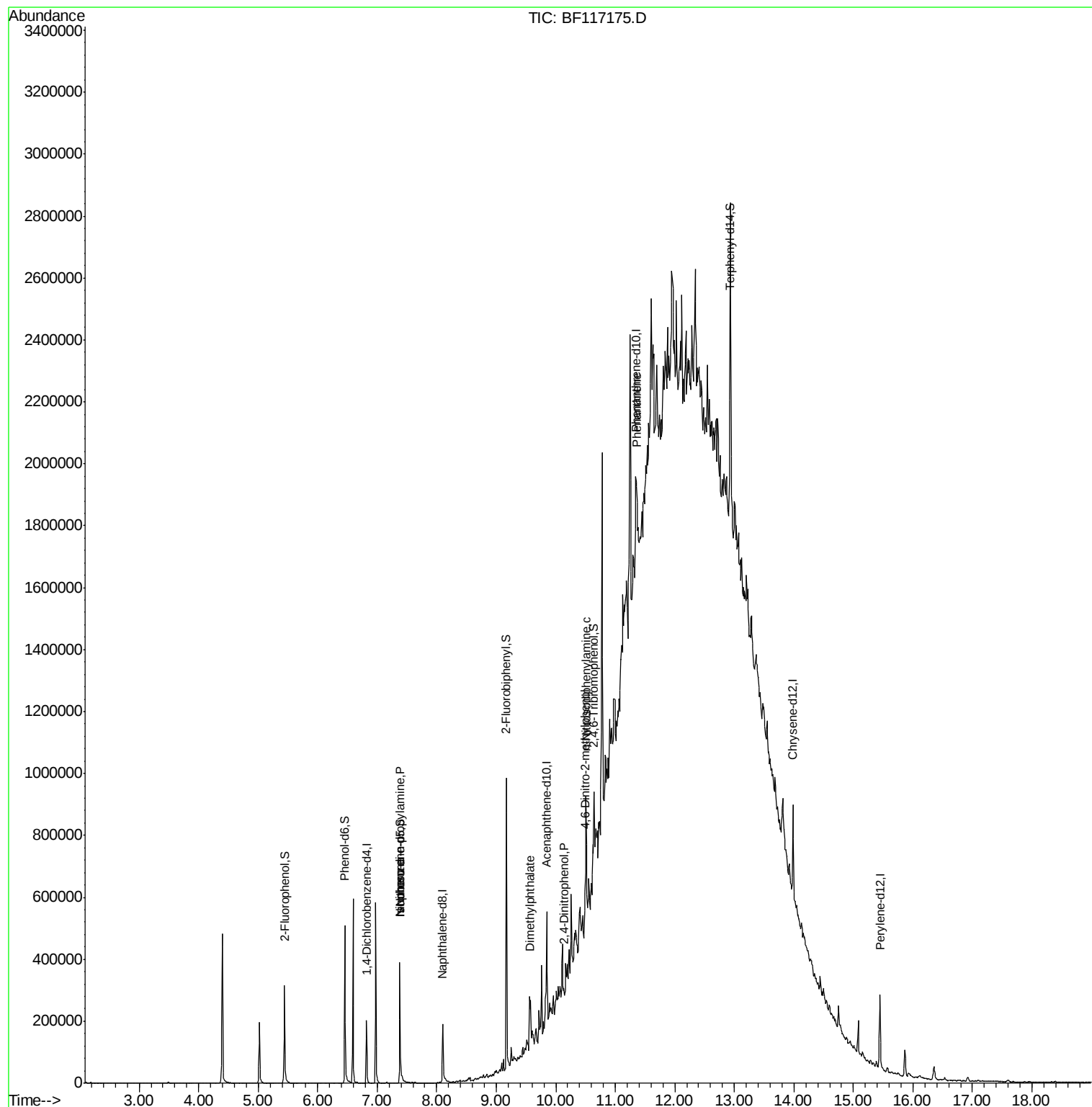
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	29723	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	119998	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	65224	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	103675	20.00	ng	0.01
76) Chrysene-d12	13.99	240	79779	20.00	ng	0.01
87) Perylene-d12	15.44	264	61324	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	99483	52.26	ng	0.00
7) Phenol-d6	6.46	99	194226	78.94	ng	0.00
23) Nitrobenzene-d5	7.38	82	154047	67.45	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	29337	53.82	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	303685	72.80	ng	0.00
79) Terphenyl-d14	12.93	244	326506	76.50	ng	0.02
Target Compounds						
9) Benzaldehyde	6.46	77	224	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	21232	14.172 ng	#	83
25) Isophorone	7.38	82	154046	38.095 ng	#	66
50) Dimethylphthalate	9.56	163	23258	5.036 ng	#	90
54) 2,4-Dinitrophenol	10.13	184	1196	11.774 ng	#	50
65) 4,6-Dinitro-2-methylphenol	10.49	198	557	7.912 ng	#	1
66) n-Nitrosodiphenylamine	10.51	169	11932	3.332 ng	#	50
69) Atrazine	11.02	200	1050	Below Cal	#	1
71) Phenanthrene	11.37	178	15228	2.586 ng	#	28

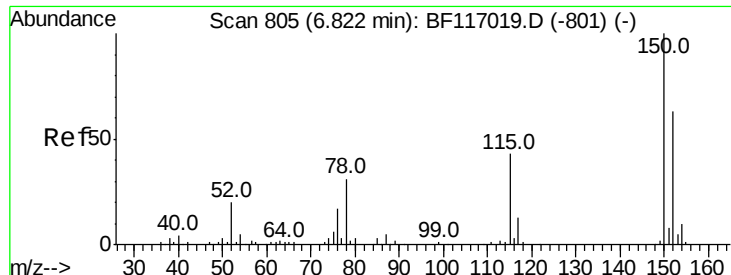
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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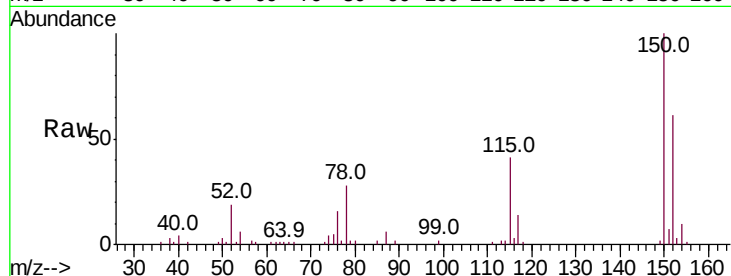


#1

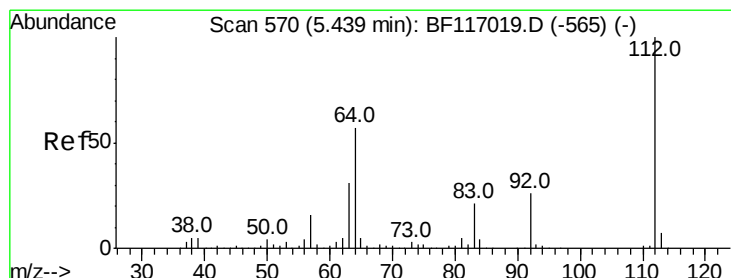
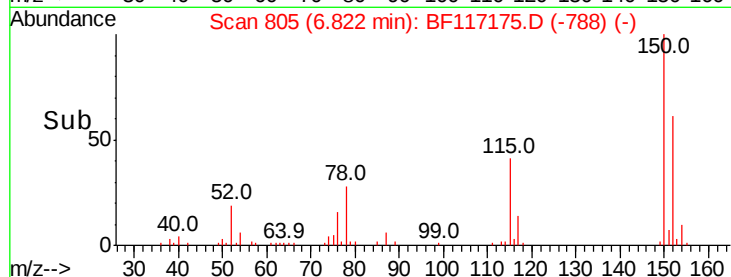
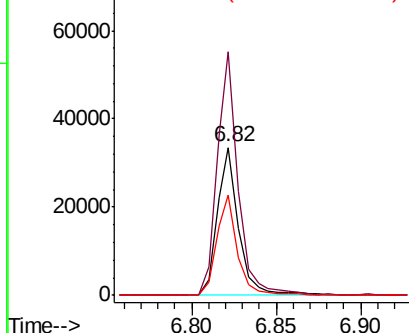
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 29723
Ion Ratio Lower Upper
152 100
150 164.4 127.5 191.3
115 68.0 55.0 82.4



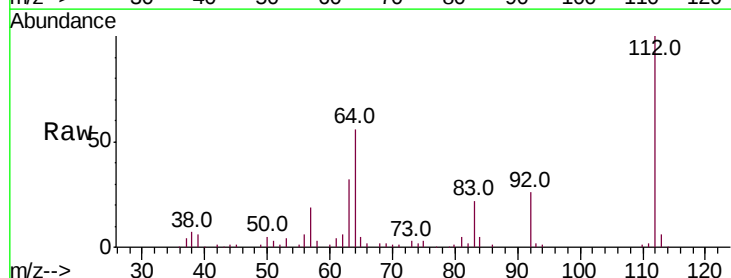
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



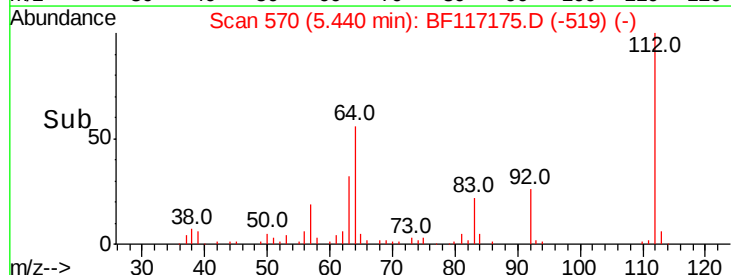
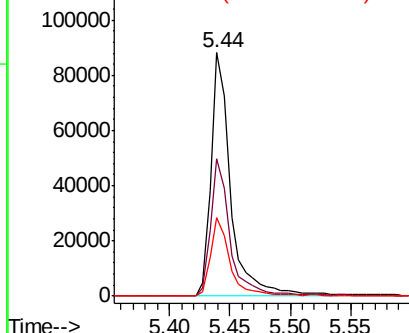
#5

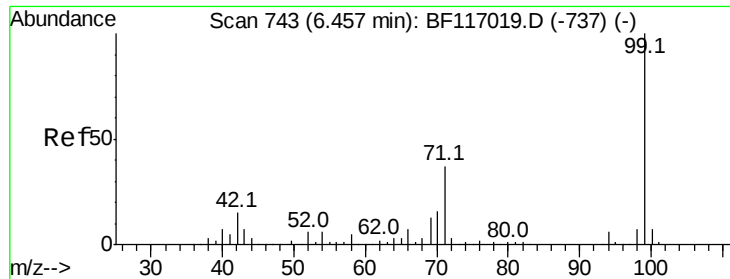
2-Fluorophenol
Concen: 52.255 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

Tgt Ion:112 Resp: 99483
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 32.4 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: 78.941 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

Instrument :

BNA_F

ClientSampled :

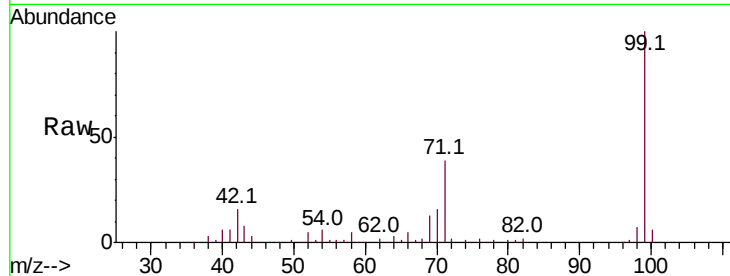
Tot Ion: 99 Resp: 194226

Ion Ratio Lower Upper

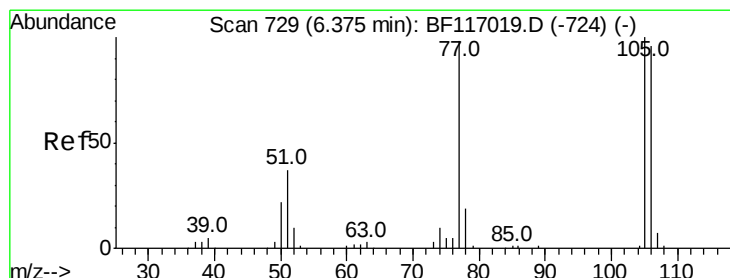
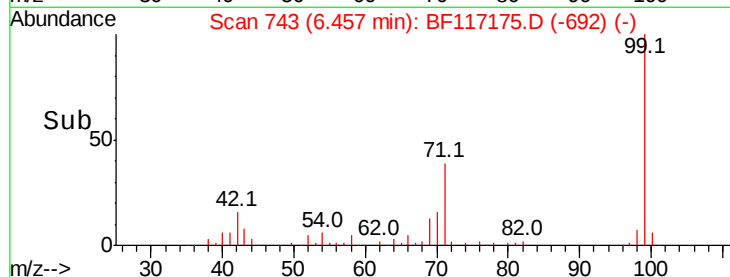
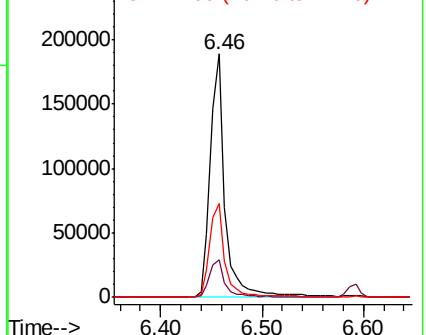
99 100

42 15.7 12.2 18.2

71 38.5 29.8 44.8



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: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

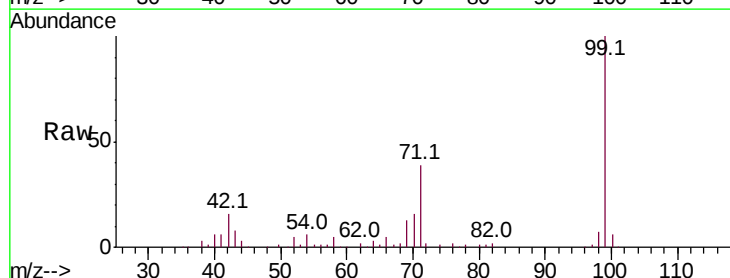
Tgt Ion: 77 Resp: 224

Ion Ratio Lower Upper

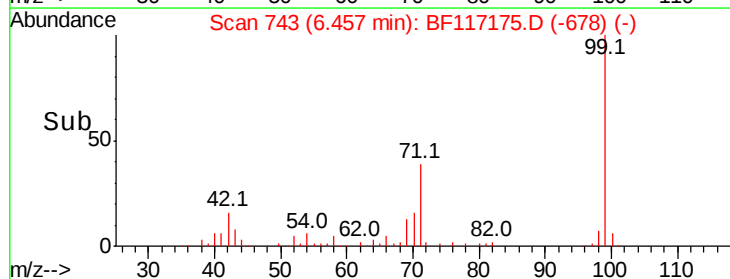
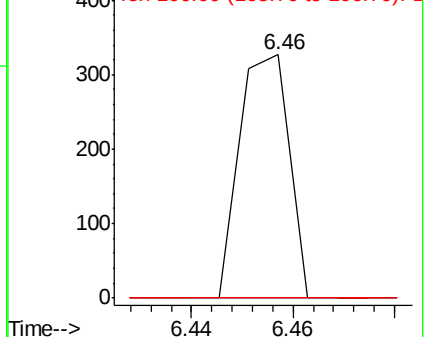
77 100

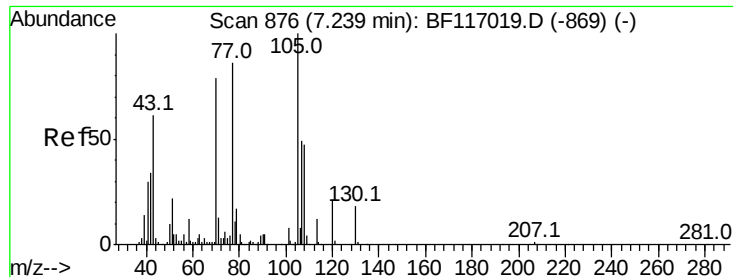
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



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

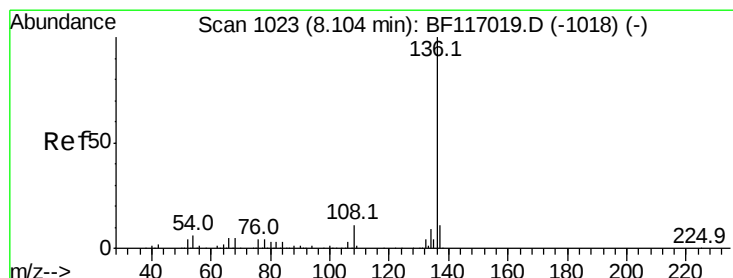
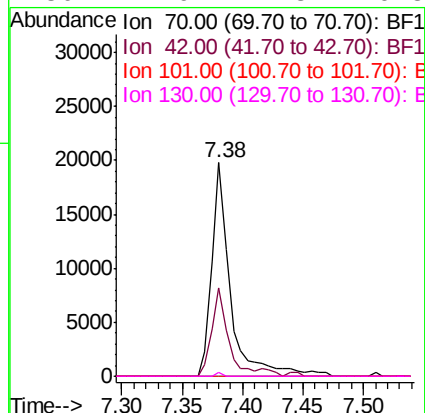
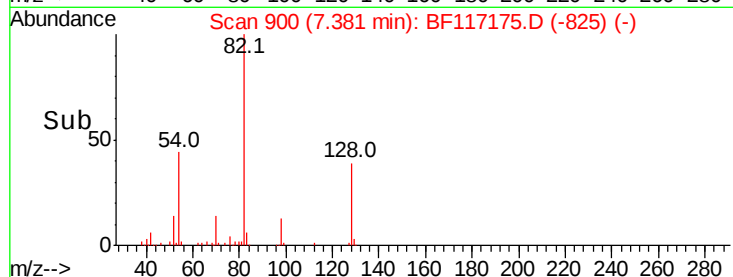
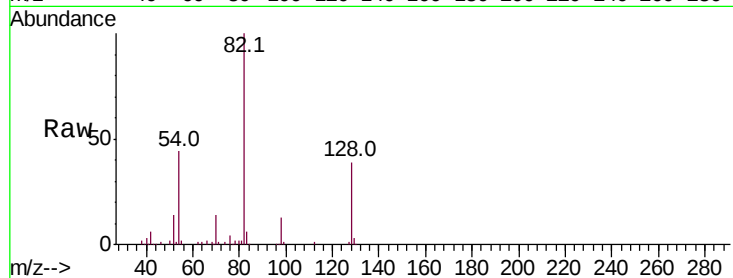




#19
n-Nitroso-di-n-propylamine
Concen: 14.172 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

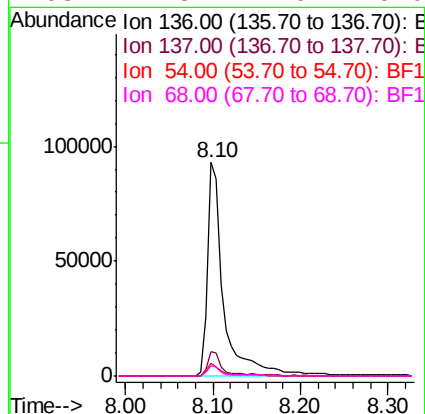
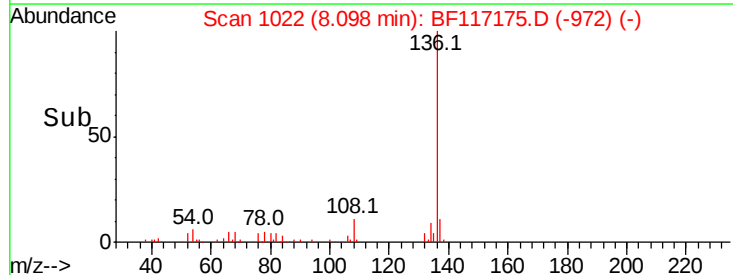
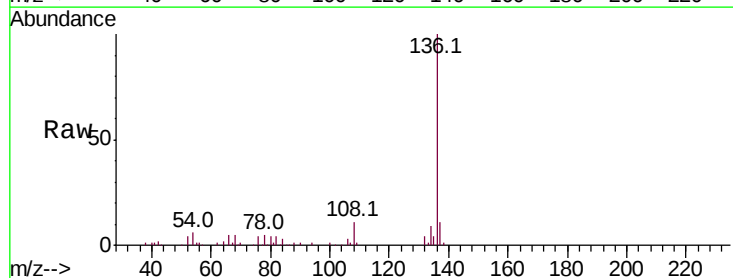
Instrument :
BNA_F
ClientSampleId :

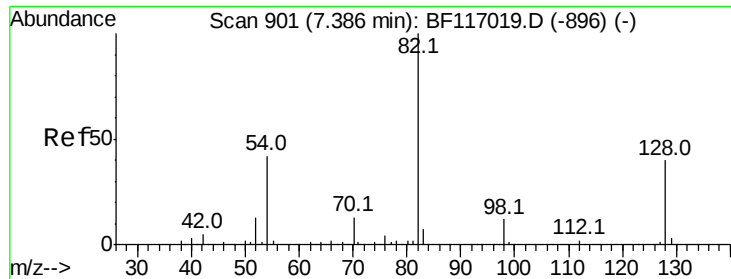
Tot Ion:	70	Resp:	21232
Ion	Ratio	Lower	Upper
70	100		
42	41.1	34.0	51.0
101	0.0	7.8	11.6#
130	1.9	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

Tgt Ion:	136	Resp:	119998
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.1	4.5	6.7
68	4.8	4.0	6.0

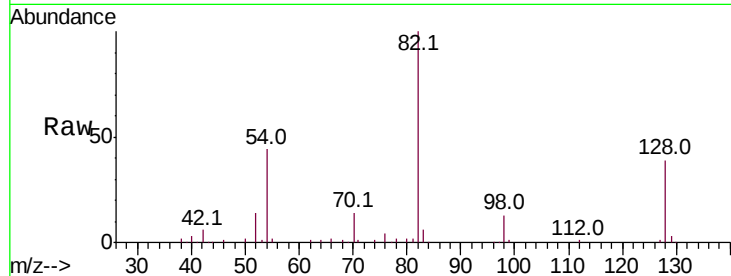




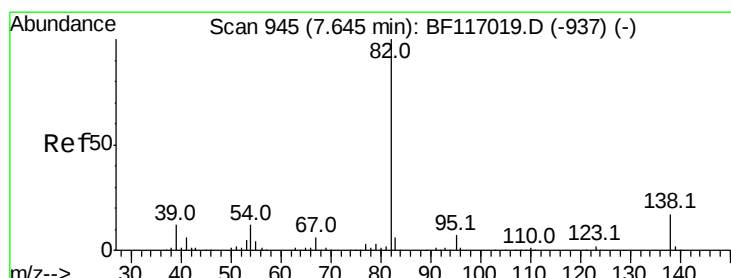
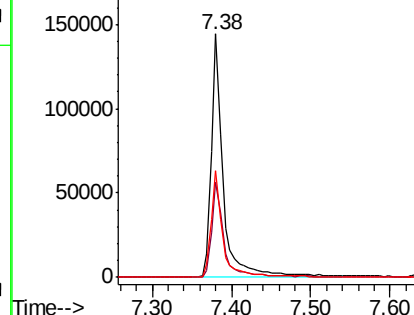
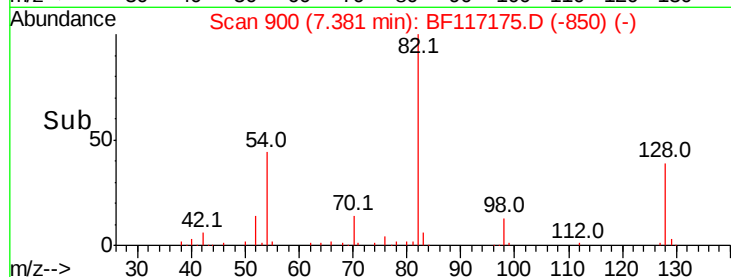
#23
 Nitrobenzene-d5
 Concen: 67.451 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117175.D
 Acq: 19 Sep 2019 15:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.3	48.5
54	43.7	33.3	49.9

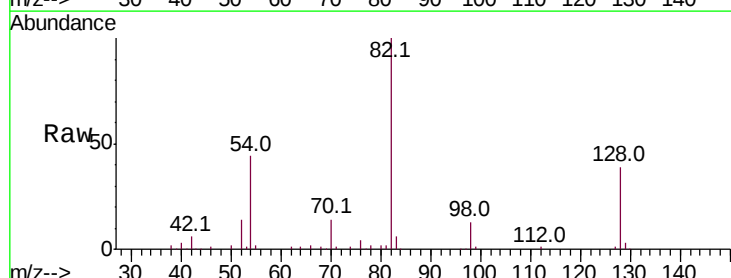


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

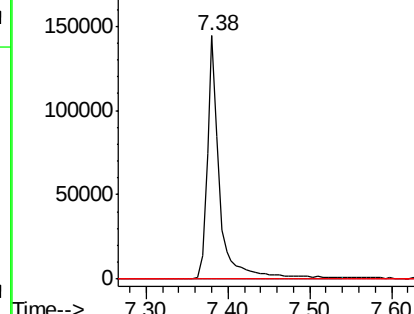
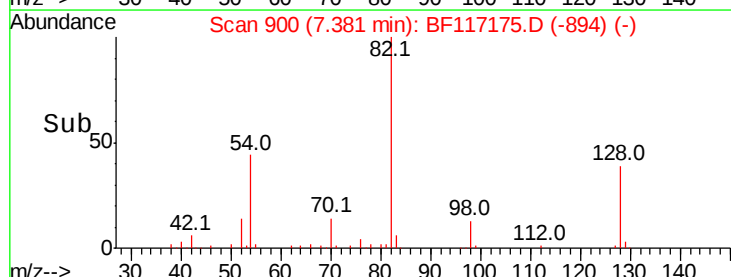


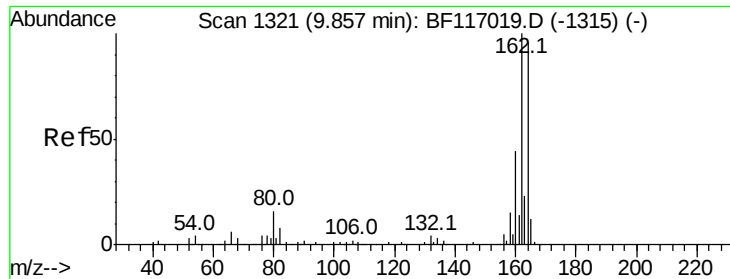
#25
 Isophorone
 Concen: 38.095 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117175.D
 Acq: 19 Sep 2019 15:35

Tgt 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

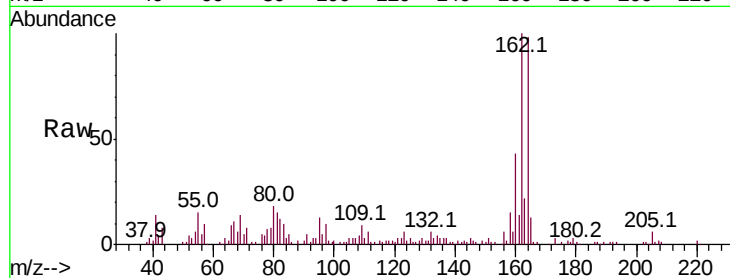




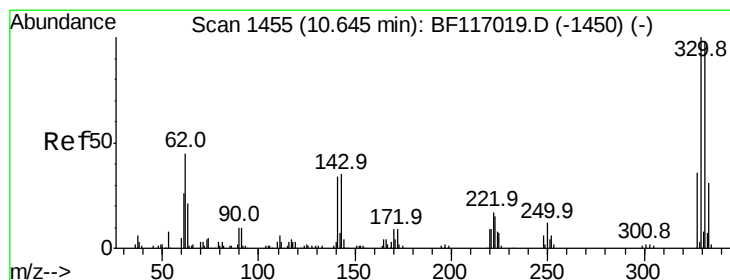
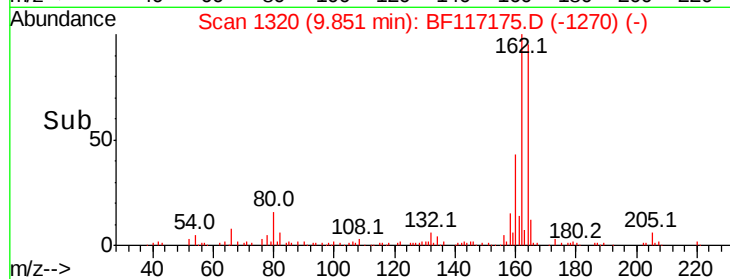
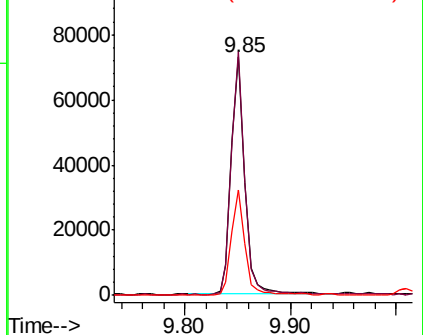
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 65224
Ion Ratio Lower Upper
164 100
162 102.2 83.4 125.2
160 44.1 36.4 54.6

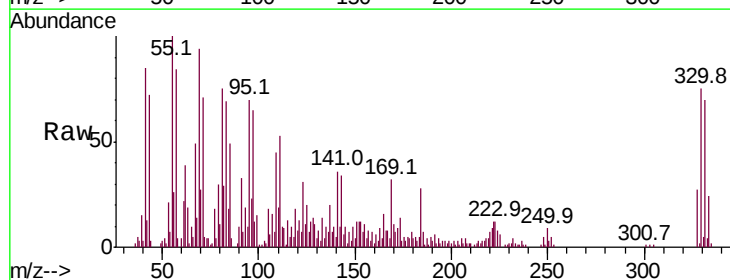


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

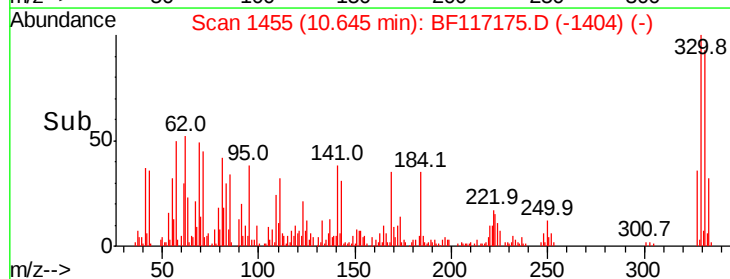
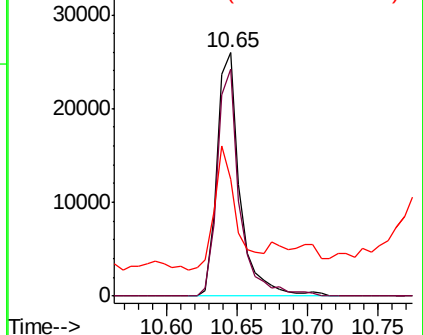


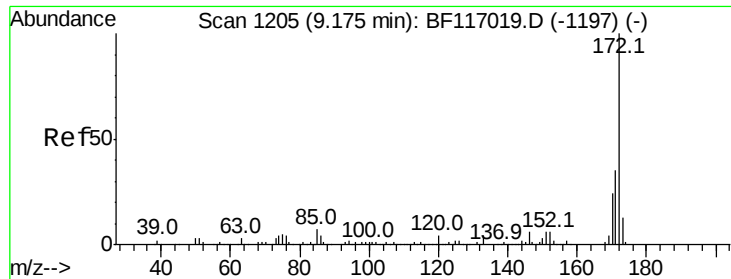
#42
2,4,6-Tribromophenol
Concen: 53.817 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

Tgt Ion:330 Resp: 29337
Ion Ratio Lower Upper
330 100
332 91.4 78.0 117.0
141 48.1 35.8 53.6



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

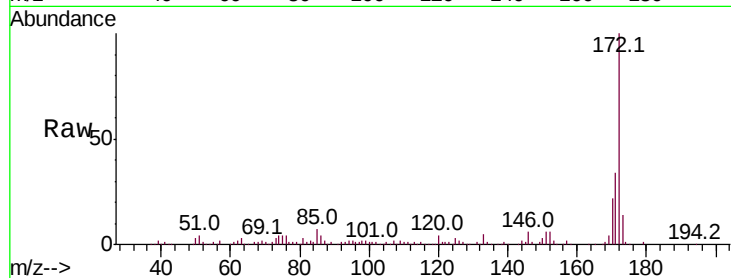




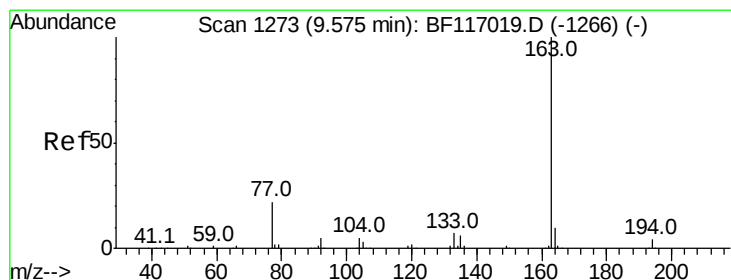
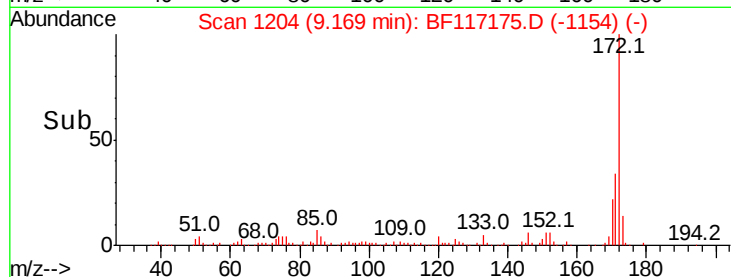
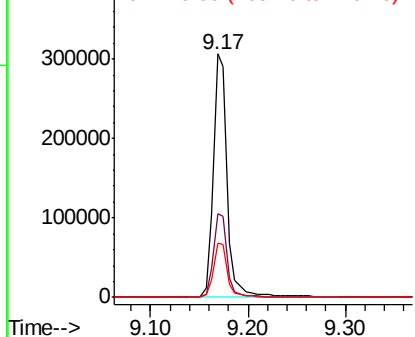
#45
 2-Fluorobiphenyl
 Concen: 72.801 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117175.D
 Acq: 19 Sep 2019 15:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 303685
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.2 42.2
 170 22.4 18.9 28.3

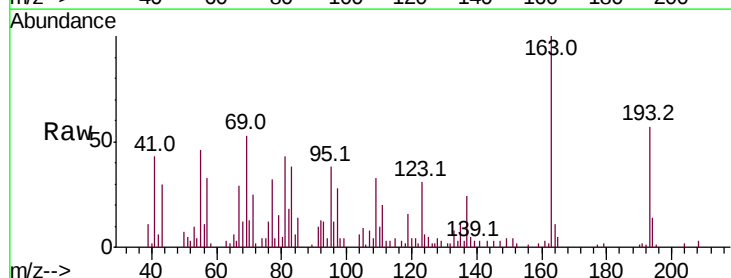


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

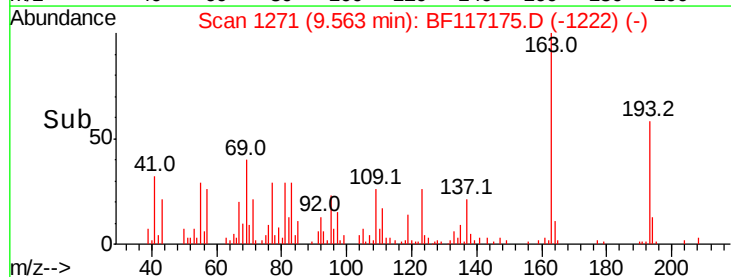
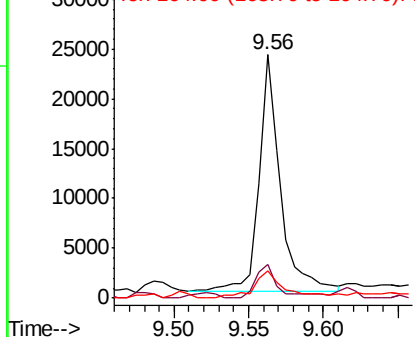


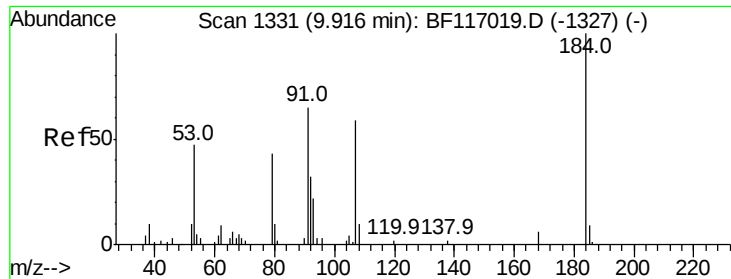
#50
 Dimethylphthalate
 Concen: 5.036 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF117175.D
 Acq: 19 Sep 2019 15:35

Tgt Ion:163 Resp: 23258
 Ion Ratio Lower Upper
 163 100
 194 13.7 2.9 4.3#
 164 11.1 8.2 12.4



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

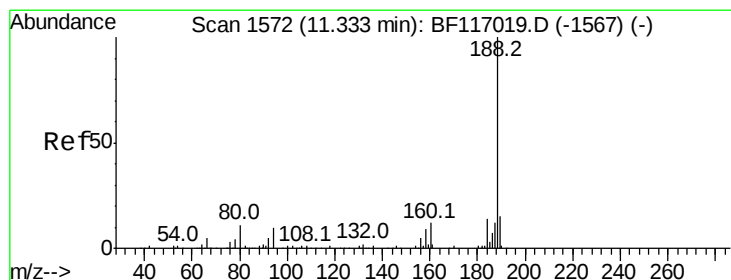
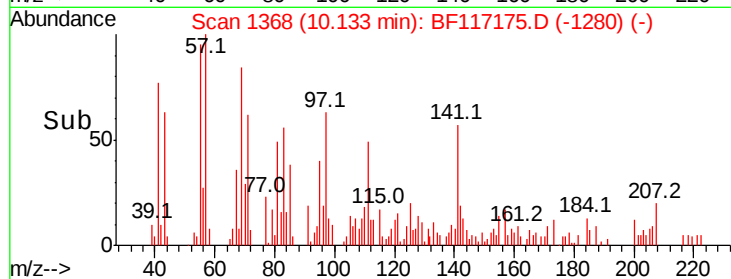
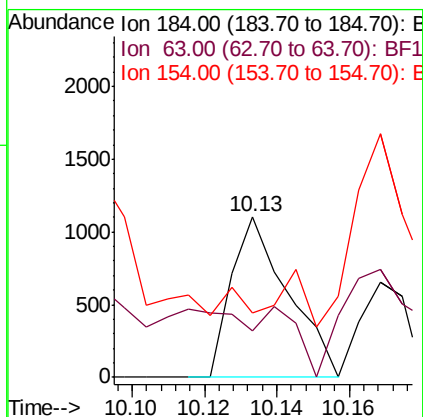
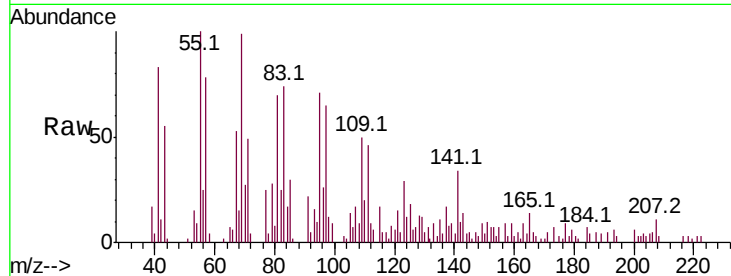




#54
2,4-Dinitrophenol
Concen: 11.774 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.22 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

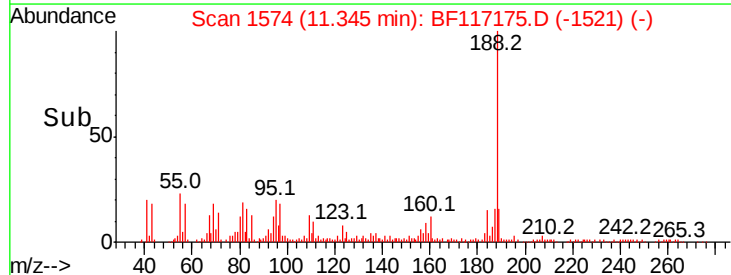
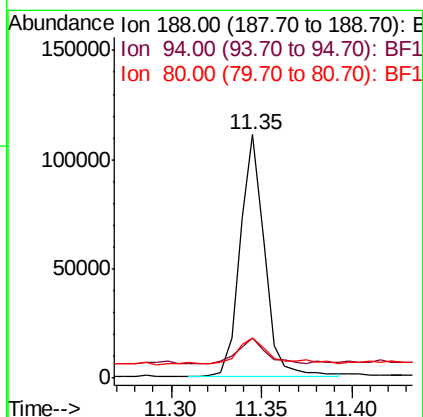
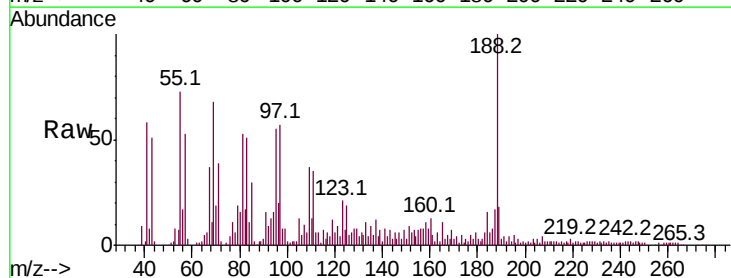
Instrument :
BNA_F
ClientSampled :

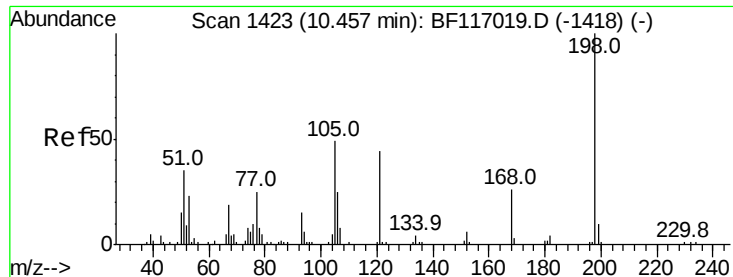
Tot Ion:184 Resp: 1196
Ion Ratio Lower Upper
184 100
63 28.8 63.8 95.6#
154 40.3 60.4 90.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF117175.D
Acq: 19 Sep 2019 15:35

Tgt Ion:188 Resp: 103675
Ion Ratio Lower Upper
188 100
94 16.4 8.2 12.2#
80 16.3 9.0 13.6#





#65

4,6-Dinitro-2-methylphenol

Concen: 7.912 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.04 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

Instrument :

BNA_F

ClientSampleId :

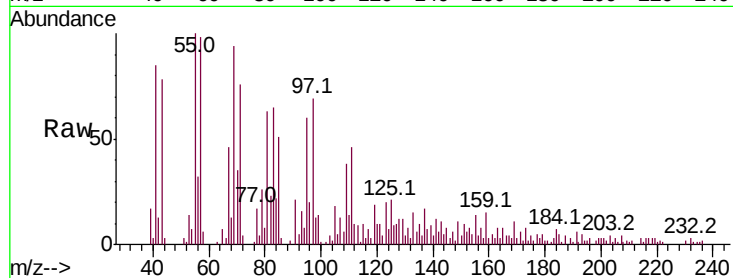
Tot Ion:198 Resp: 557

Ion Ratio Lower Upper

198 100

51 218.1 18.7 58.7#

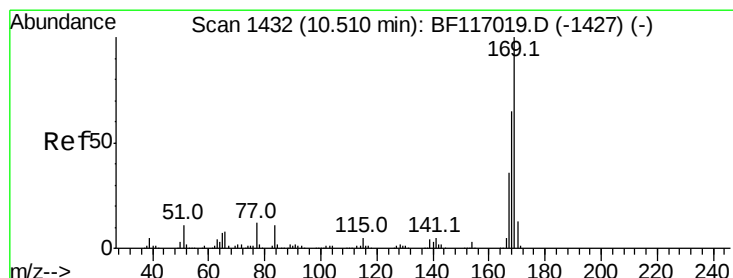
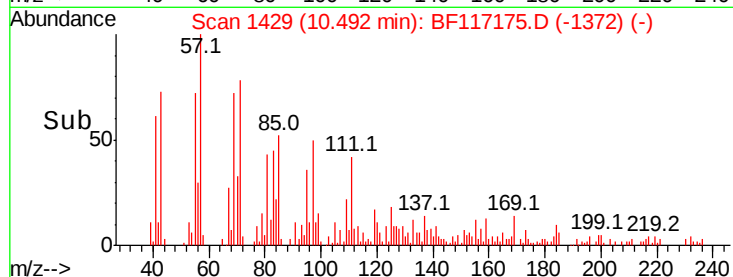
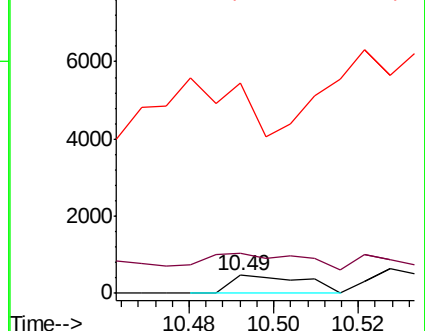
105 1161.4 30.2 70.2#



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



#66

n-Nitrosodiphenylamine

Concen: 3.332 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

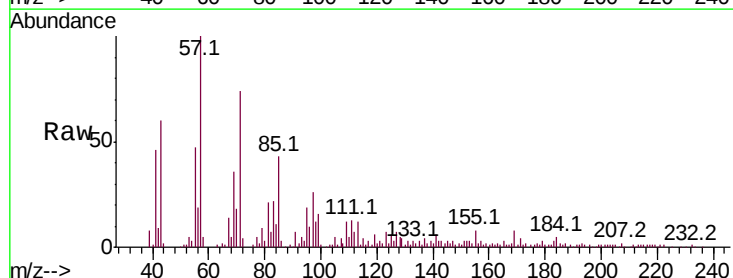
Tgt Ion:169 Resp: 11932

Ion Ratio Lower Upper

169 100

168 22.2 52.2 78.2#

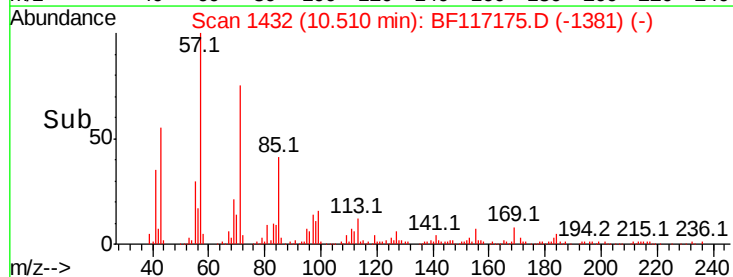
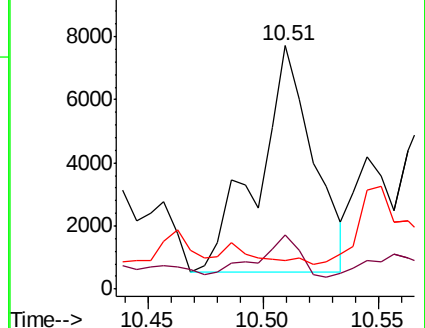
167 11.9 28.8 43.2#

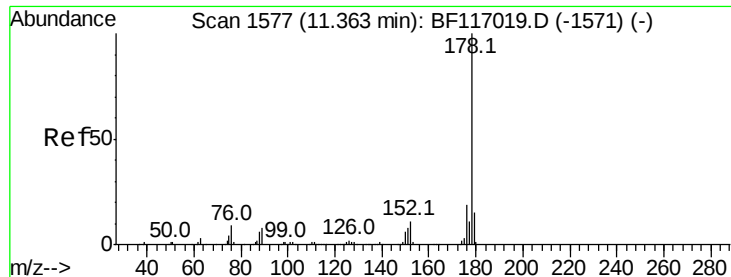


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 2.586 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

Instrument :

BNA_F

ClientSampleId :

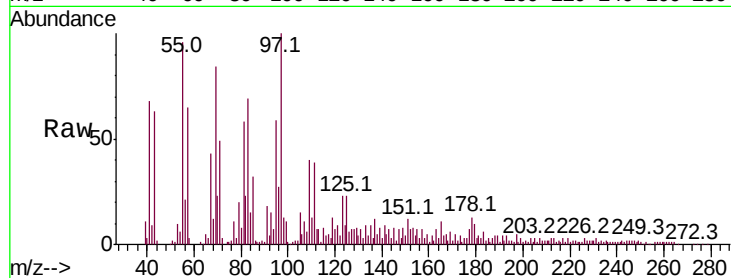
Tot Ion:178 Resp: 15228

Ion Ratio Lower Upper

178 100

176 25.8 15.4 23.2#

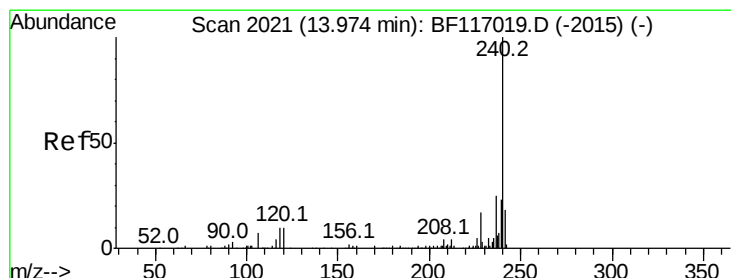
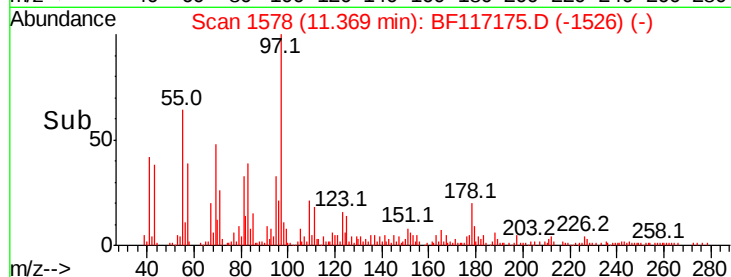
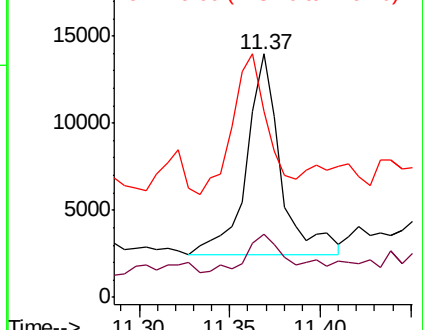
179 76.2 12.4 18.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

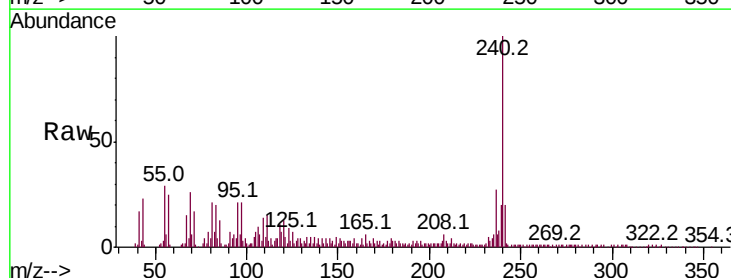
Tgt Ion:240 Resp: 79779

Ion Ratio Lower Upper

240 100

120 13.0 8.3 12.5#

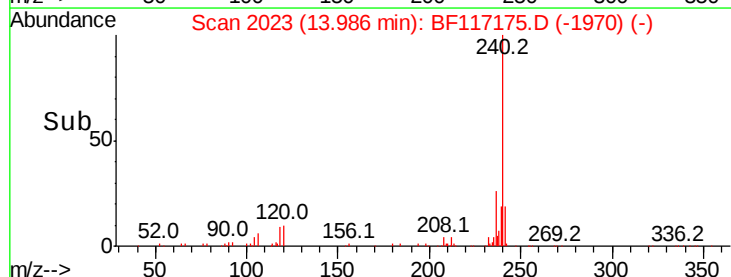
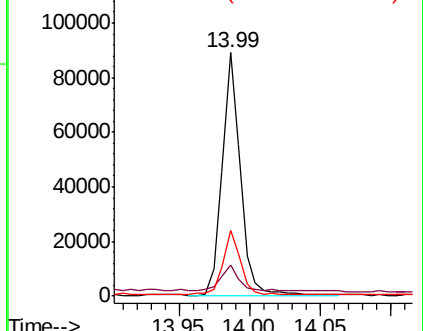
236 27.0 20.3 30.5

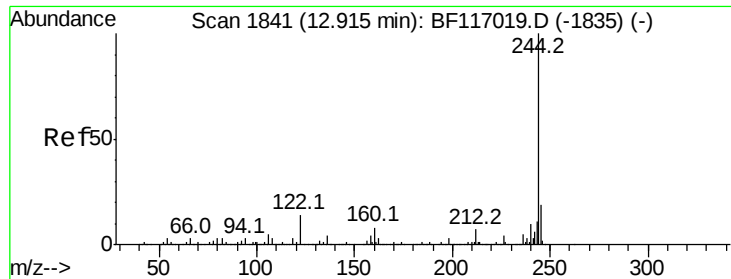


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 76.500 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.02 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

Instrument :

BNA_F

ClientSampleId :

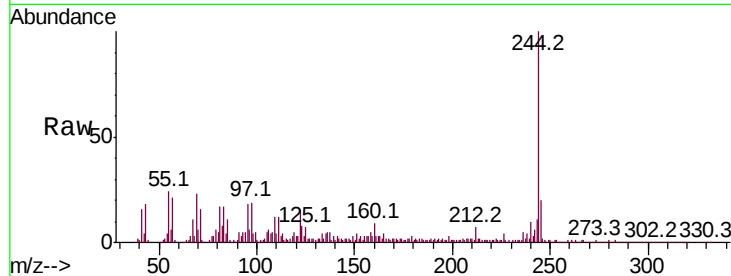
Tot Ion:244 Resp: 326506

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

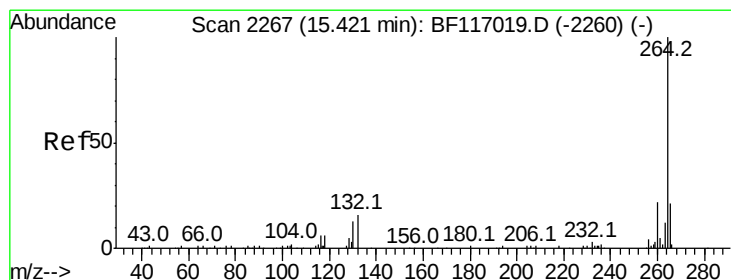
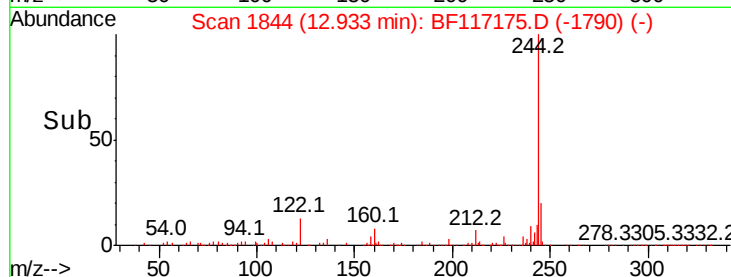
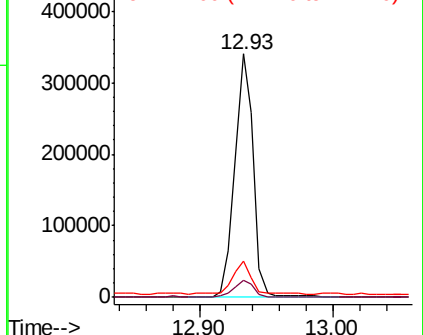
122 14.8 11.3 16.9



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: 15.44 min Scan# 2271

Delta R.T. 0.02 min

Lab File: BF117175.D

Acq: 19 Sep 2019 15:35

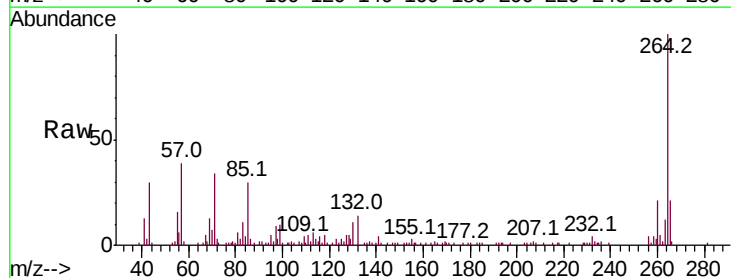
Tgt Ion:264 Resp: 61324

Ion Ratio Lower Upper

264 100

260 21.4 17.6 26.4

265 21.0 16.6 24.8



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

