

Data File : BF111493.D
Acq On : 16 Dec 2018 4:08
Operator : JU/SJ
Sample : J6199-06
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-A

Quant Time: Dec 17 00:57:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

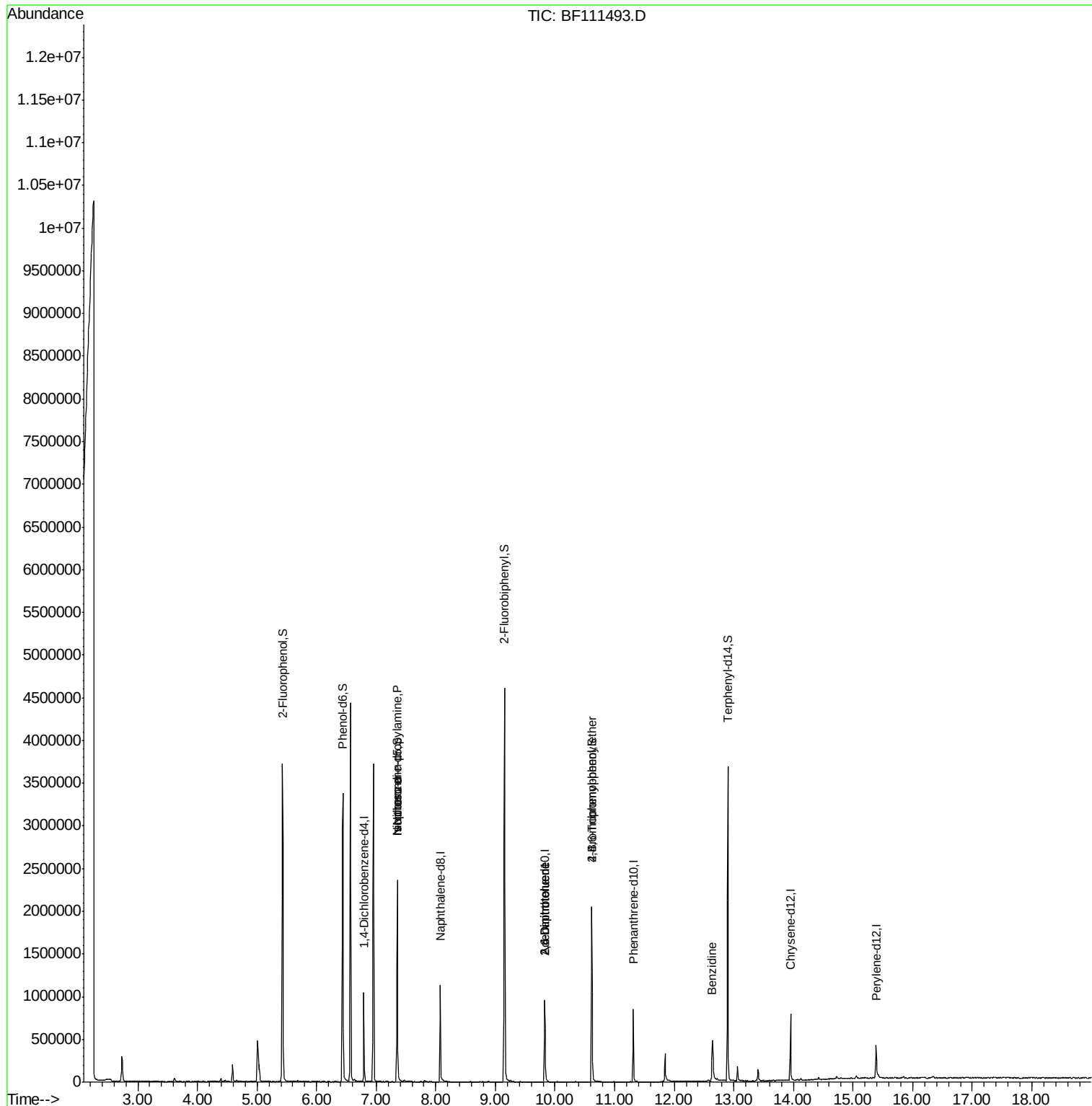
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	140603	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	522181	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	199110	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	309768	20.00	ng	0.00
76) Chrysene-d12	13.95	240	287178	20.00	ng	0.00
87) Perylene-d12	15.39	264	196174	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1023085	121.08	ng	0.01
7) Phenol-d6	6.44	99	1139611	101.40	ng	0.00
23) Nitrobenzene-d5	7.35	82	819014	93.40	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	215706	120.94	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1425731	110.60	ng	0.00
79) Terphenyl-d14	12.90	244	1179516	96.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	107800	14.538	ng	# 80
25) Isophorone	7.35	82	819008	55.199	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	24907	7.717	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	24907	5.879	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	13774	4.126	ng	# 1
77) Benzidine	12.65	184	167291	15.847	ng	97

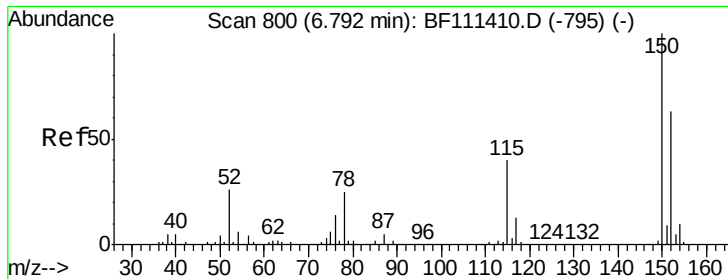
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

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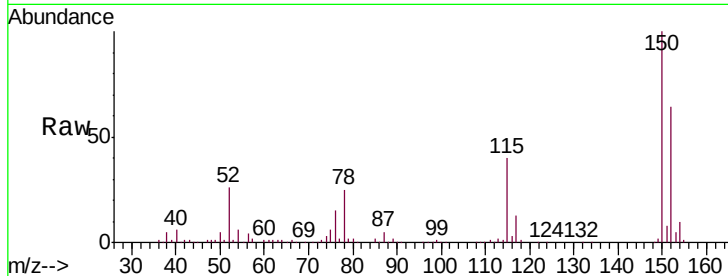
Tgt Ion:152 Resp: 140603

Ion Ratio Lower Upper

152 100

150 156.1 126.6 189.8

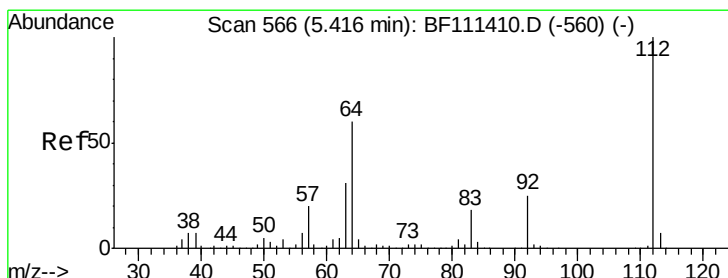
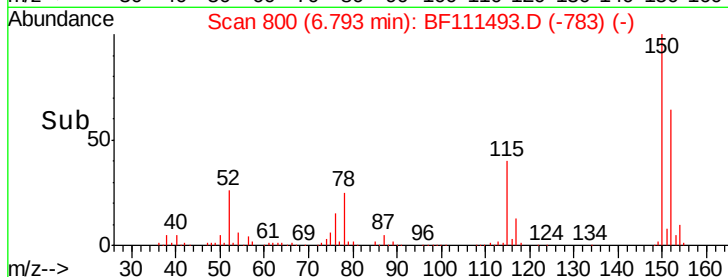
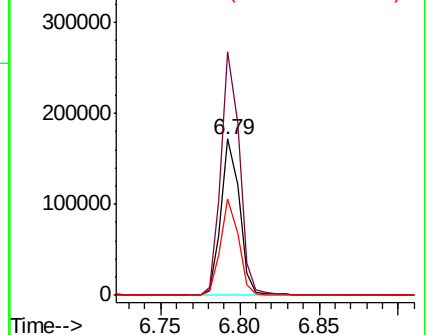
115 61.9 50.7 76.1



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: 121.084 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

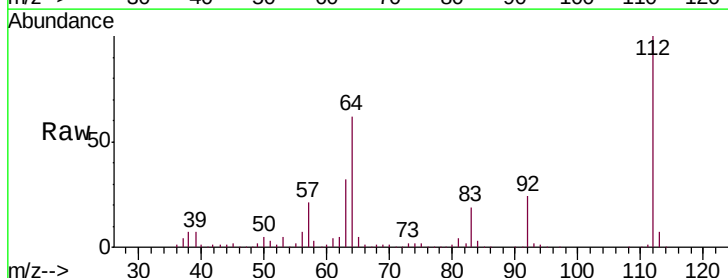
Tgt Ion:112 Resp: 1023085

Ion Ratio Lower Upper

112 100

64 61.7 51.8 77.6

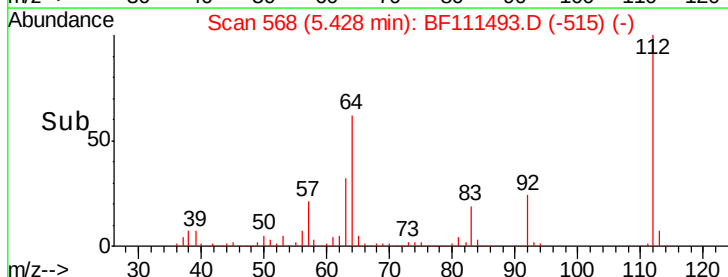
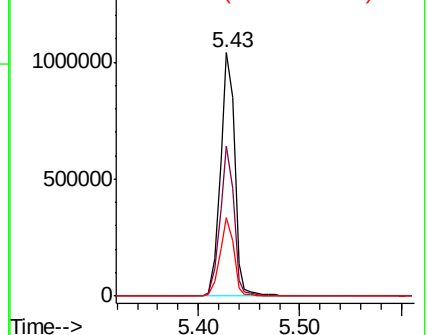
63 32.3 26.8 40.2

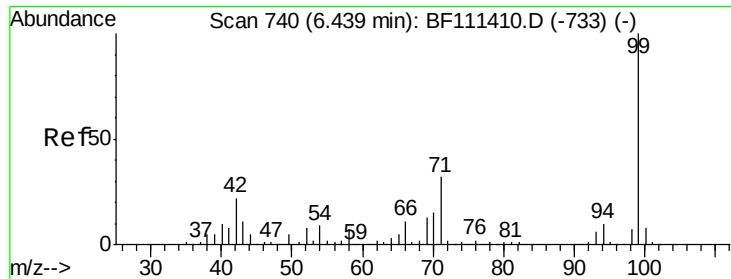


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.396 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-A

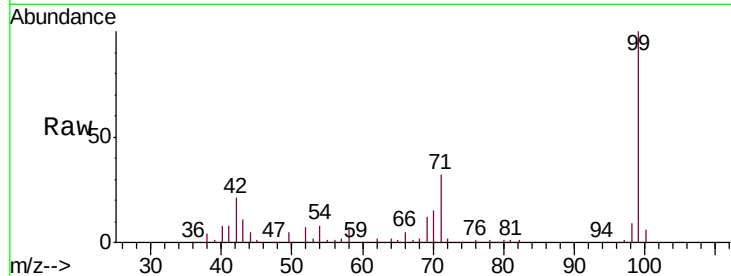
Tgt Ion: 99 Resp: 1139611

Ion Ratio Lower Upper

99 100

42 21.1 17.4 26.0

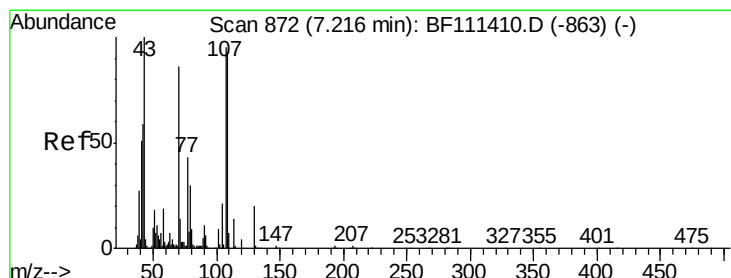
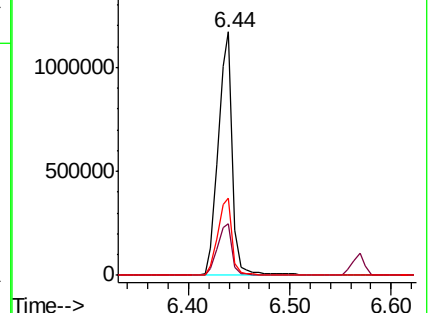
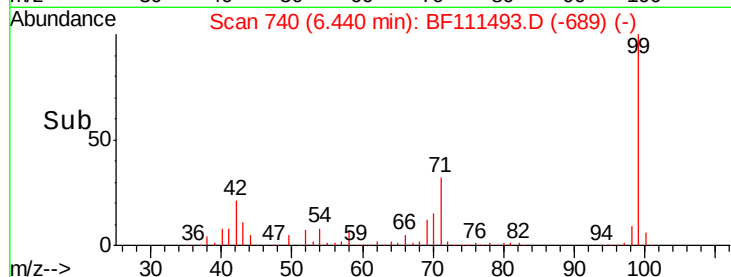
71 31.8 26.1 39.1



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: 14.538 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

Tgt Ion: 70 Resp: 107800

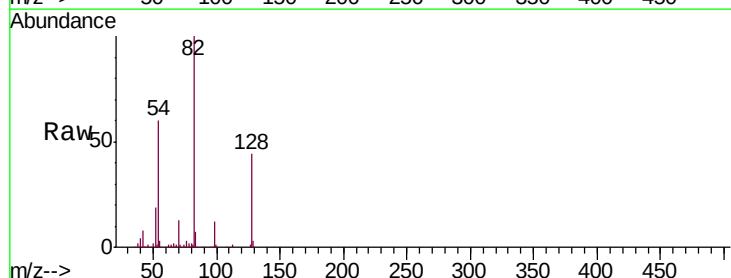
Ion Ratio Lower Upper

70 100

42 57.7 53.2 79.8

101 0.0 8.2 12.4#

130 1.9 18.1 27.1#

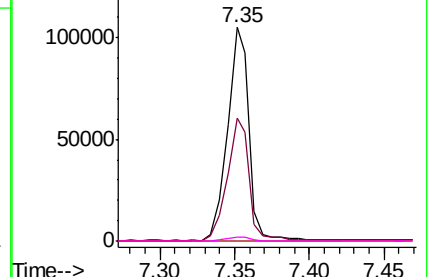
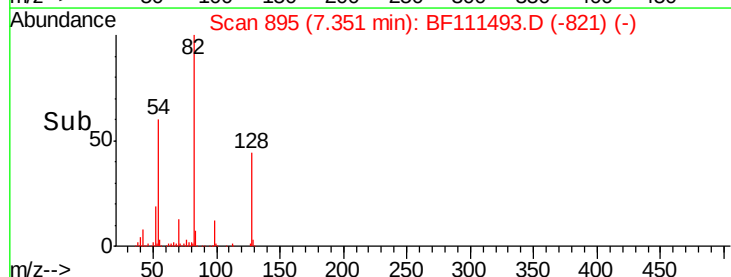


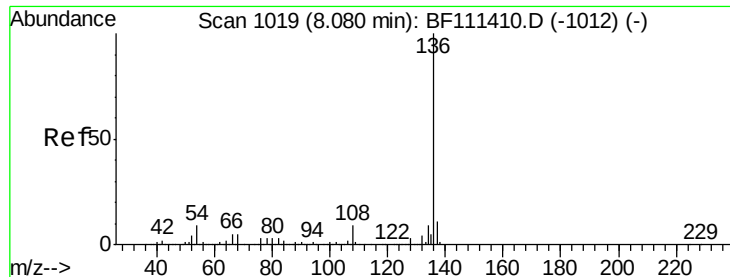
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

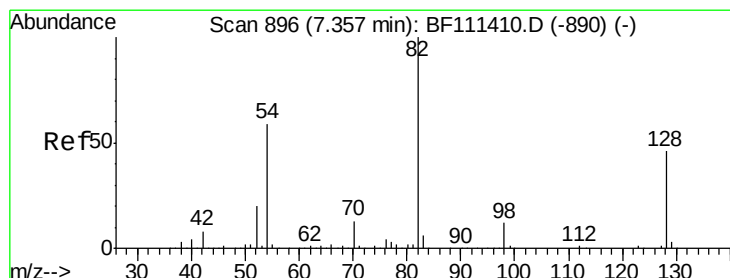
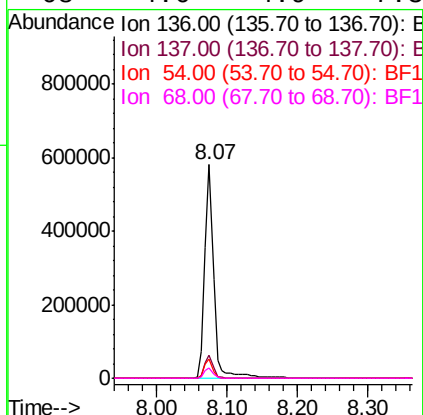
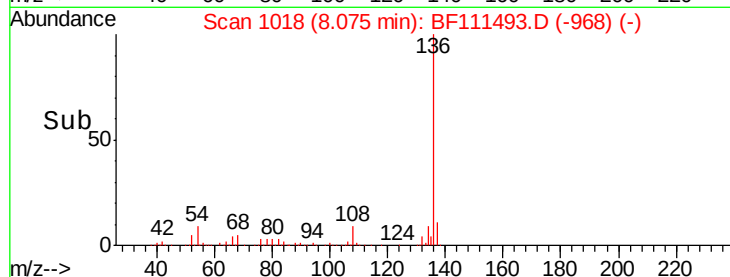
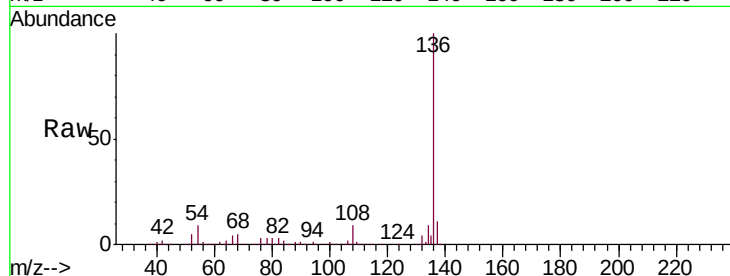




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111493.D
Acq: 16 Dec 2018 4:08

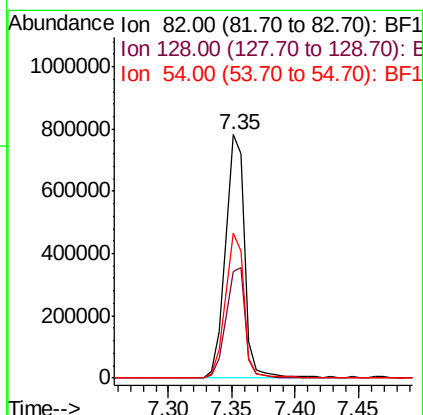
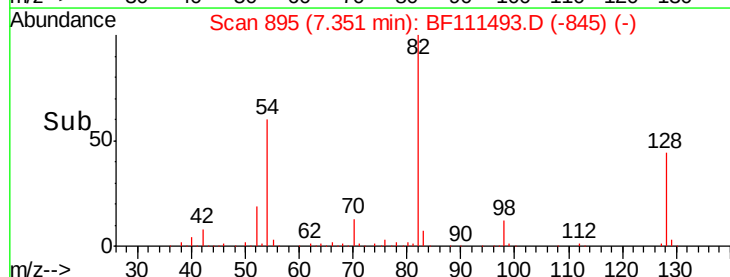
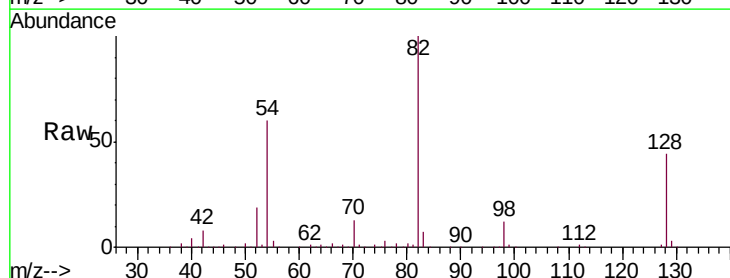
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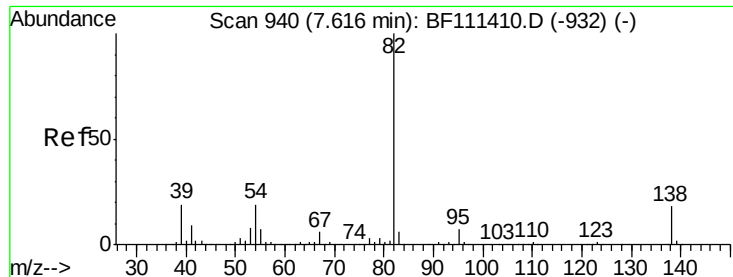
Tgt Ion:	136	Resp:	522181
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.8	7.7	11.5
68	4.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 93.399 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111493.D
Acq: 16 Dec 2018 4:08

Tgt Ion:	82	Resp:	819014
Ion	Ratio	Lower	Upper
82	100		
128	44.0	37.4	56.2
54	59.7	47.6	71.4

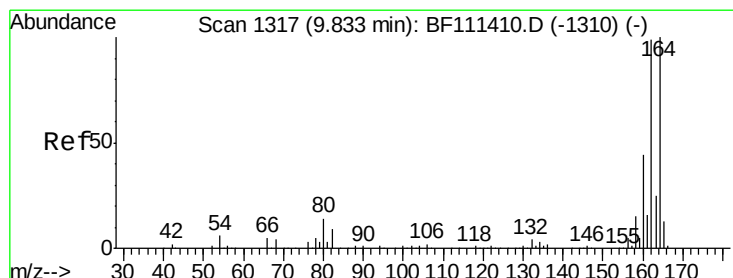
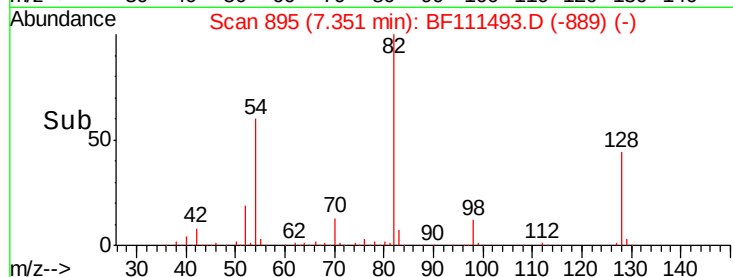
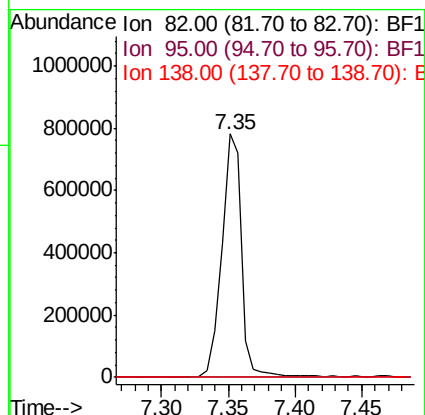
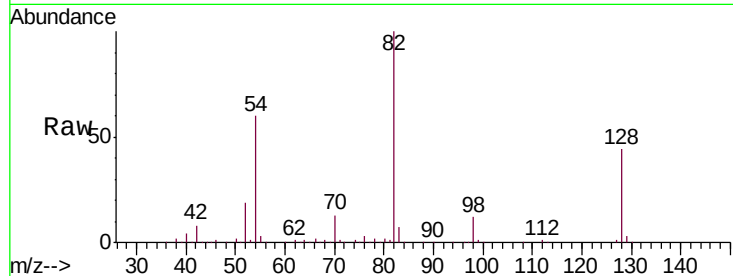




#25
Isophorone
Concen: 55.199 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111493.D
Acq: 16 Dec 2018 4:08

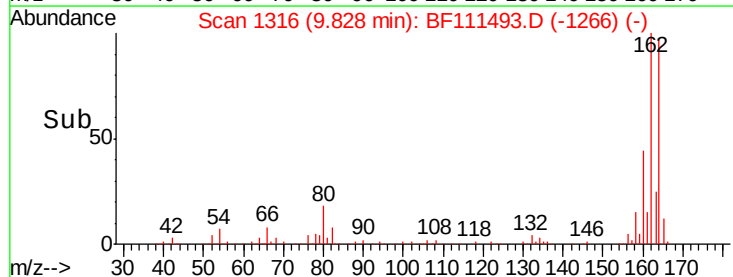
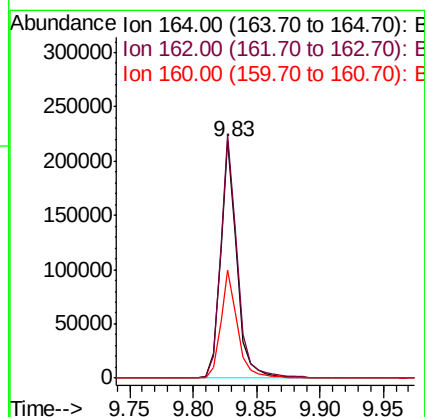
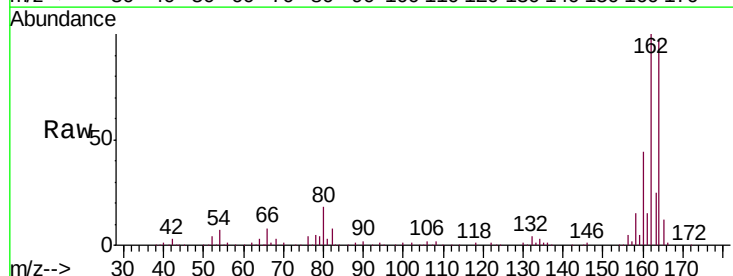
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-A

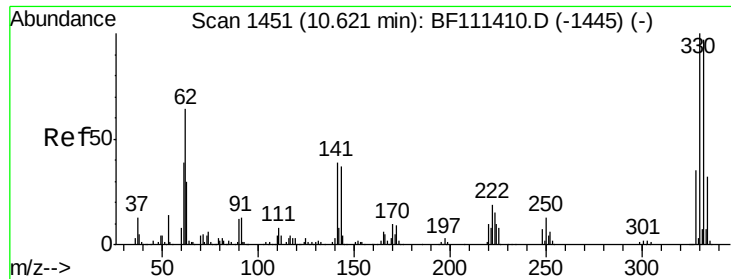
Tgt Ion: 82 Resp: 819008
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111493.D
Acq: 16 Dec 2018 4:08

Tgt Ion: 164 Resp: 199110
Ion Ratio Lower Upper
164 100
162 102.7 81.4 122.0
160 45.4 35.7 53.5

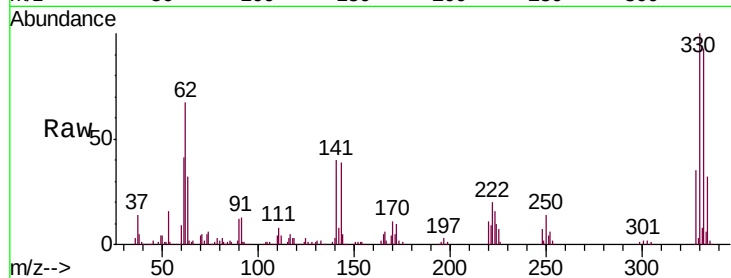




#42
 2,4,6-Tribromophenol
 Concen: 120.938 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111493.D
 Acq: 16 Dec 2018 4:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.0	114.0
141	39.8	31.0	46.6

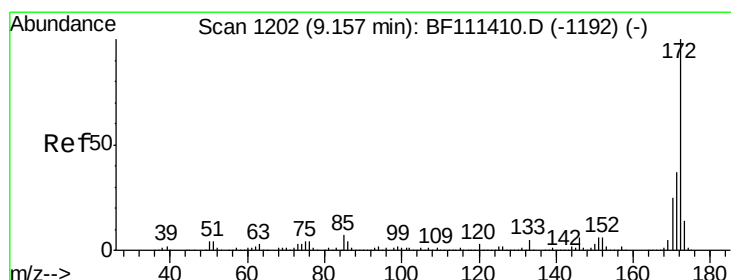
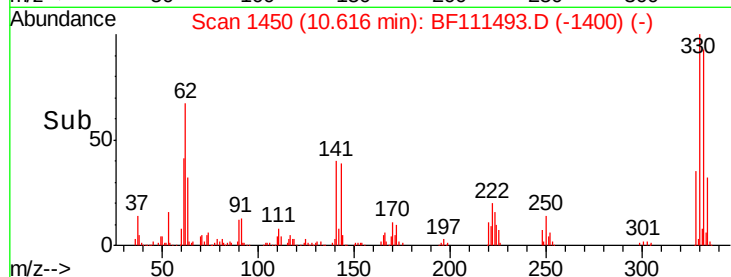
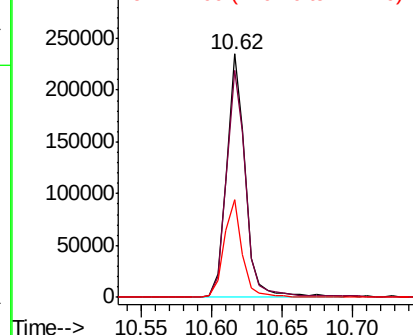


Abundance

Ion 329.80 (329.50 to 330.50): E

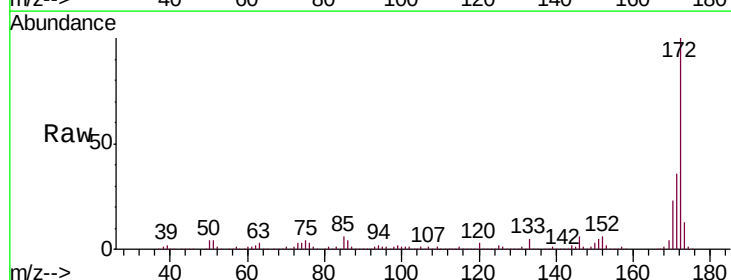
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 110.604 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111493.D
 Acq: 16 Dec 2018 4:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	33.0	49.4
170	23.1	22.3	33.5

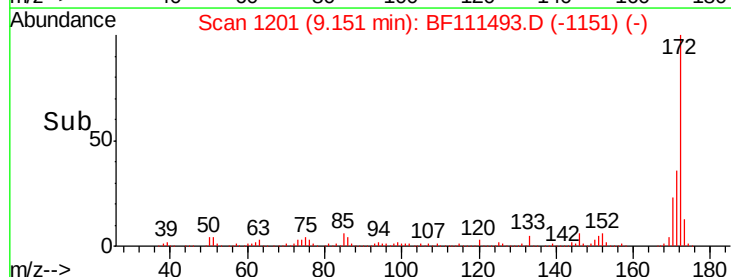
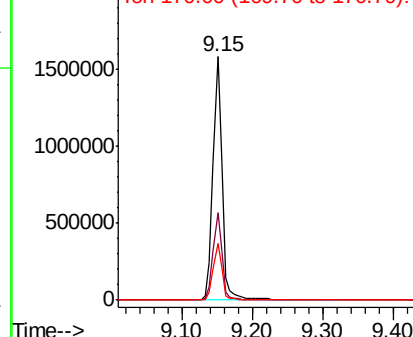


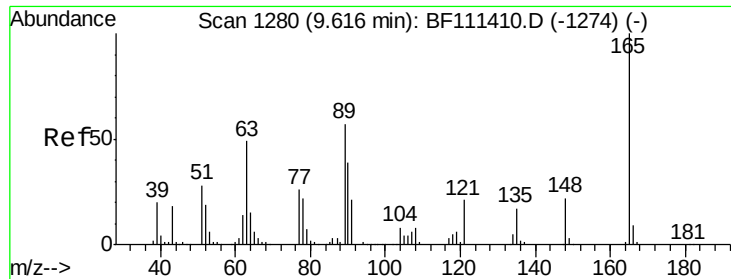
Abundance

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: 7.717 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

Instrument :

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SU-04-121218-A

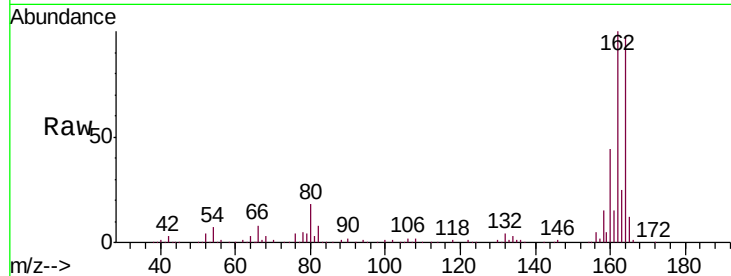
Tgt Ion:165 Resp: 24907

Ion Ratio Lower Upper

165 100

63 1.6 40.5 60.7#

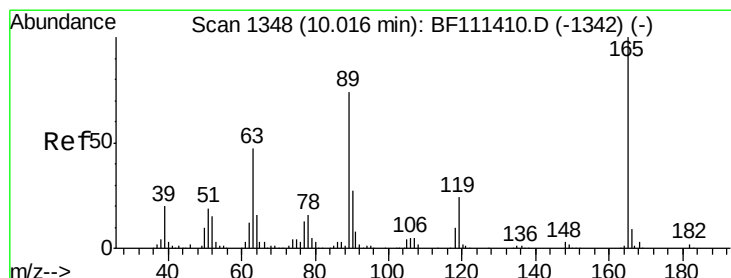
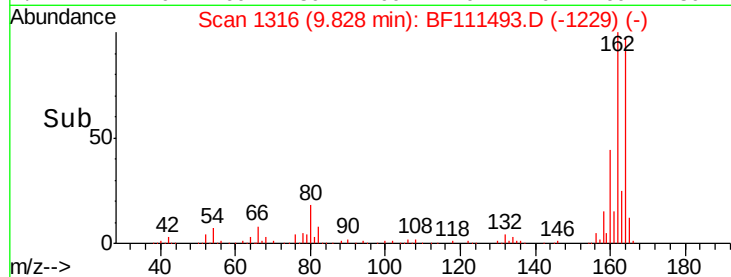
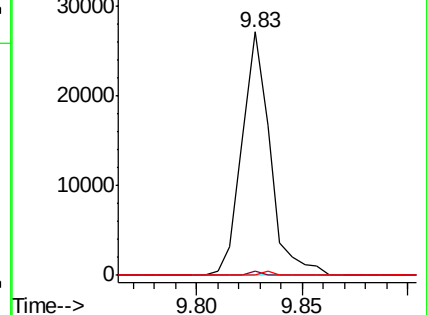
89 0.0 40.0 60.0#



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: 5.879 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

Tgt Ion:165 Resp: 24907

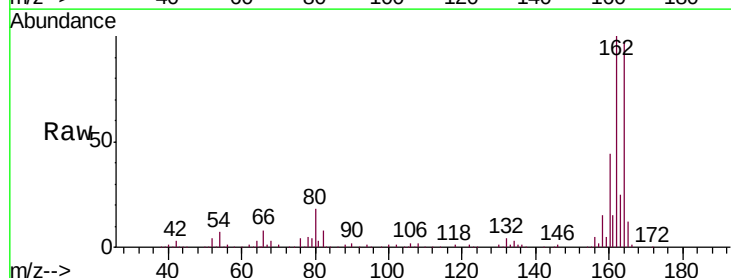
Ion Ratio Lower Upper

165 100

63 1.6 34.6 52.0#

89 0.0 56.2 84.4#

182 0.0 1.8 2.6#

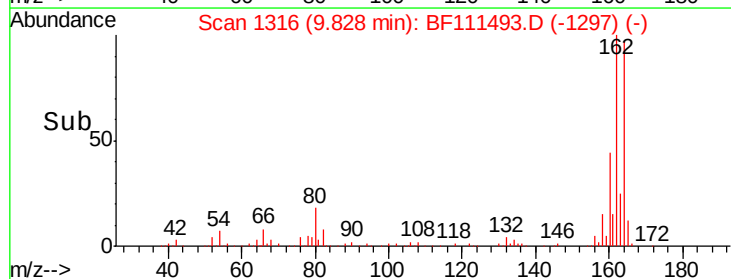
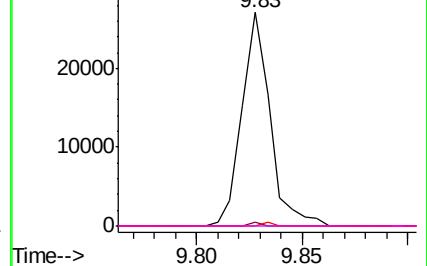


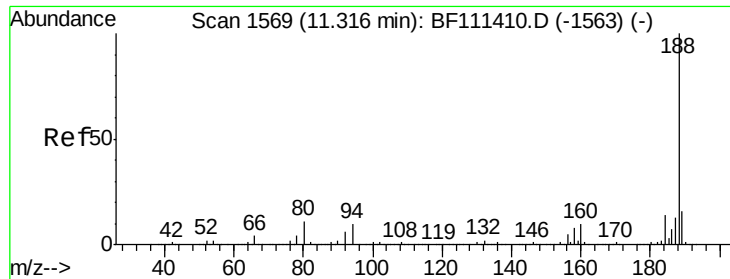
Abundance Ion 165.00 (164.70 to 165.70): E

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

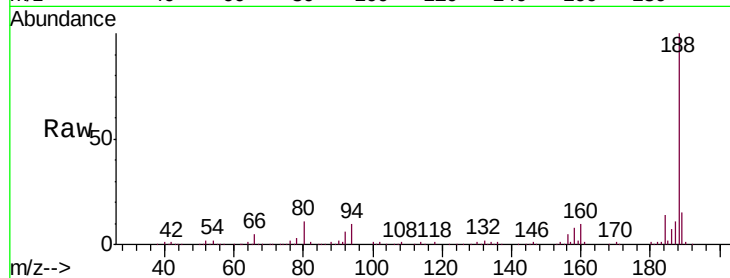




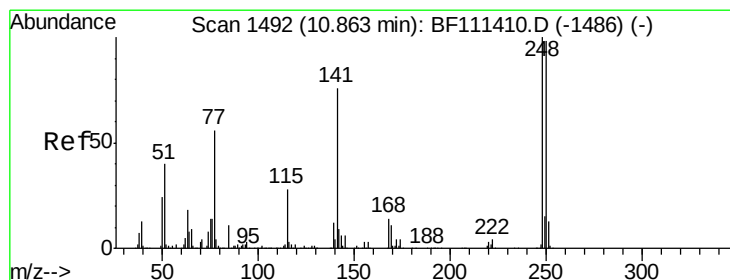
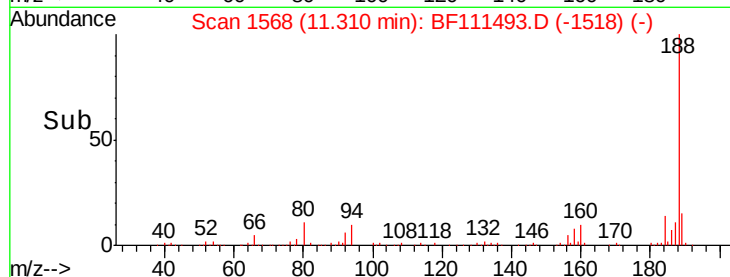
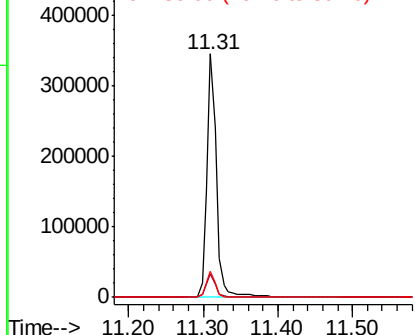
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111493.D
 Acq: 16 Dec 2018 4:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-A

Tgt Ion:188 Resp: 309768
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.6 14.4#
 80 10.8 9.8 14.6

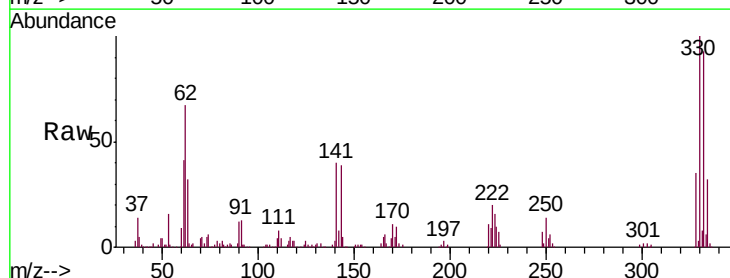


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

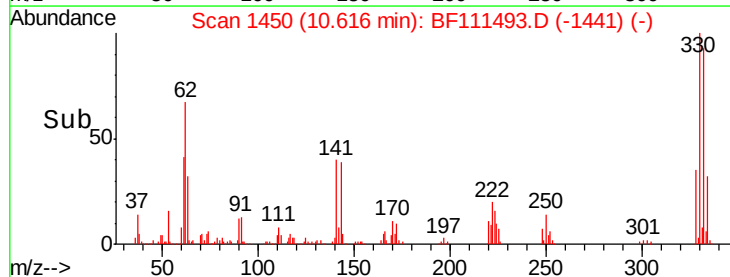
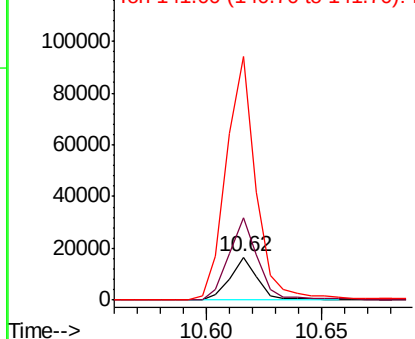


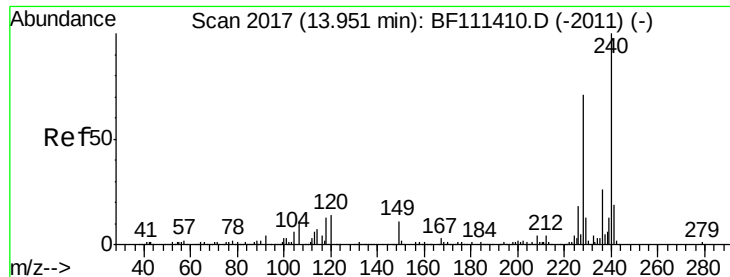
#67
 4-Bromophenyl-phenylether
 Concen: 4.126 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111493.D
 Acq: 16 Dec 2018 4:08

Tgt Ion:248 Resp: 13774
 Ion Ratio Lower Upper
 248 100
 250 192.0 77.0 115.4#
 141 567.5 63.0 94.6#



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

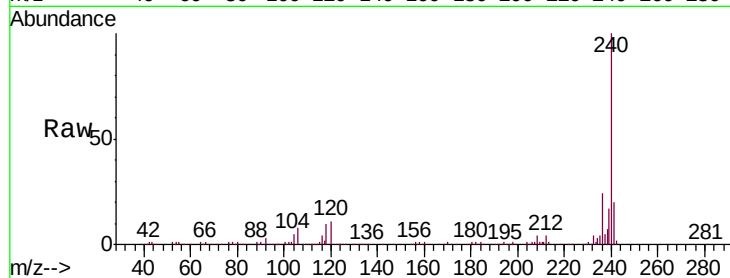




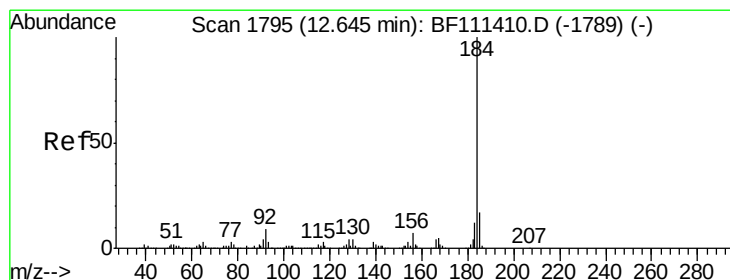
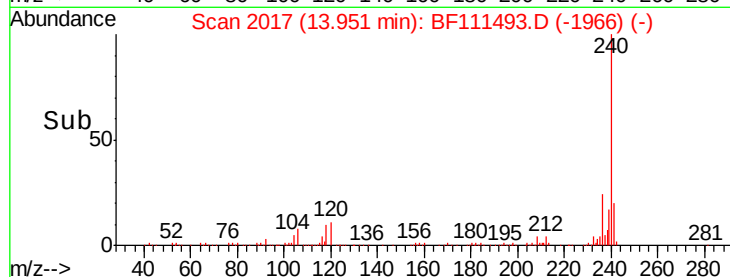
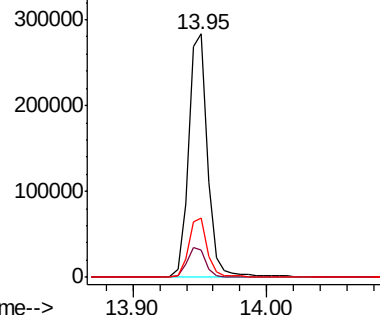
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111493.D
Acq: 16 Dec 2018 4:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-A

Tgt Ion:240 Resp: 287178
Ion Ratio Lower Upper
240 100
120 11.0 12.2 18.2#
236 24.2 20.2 30.2

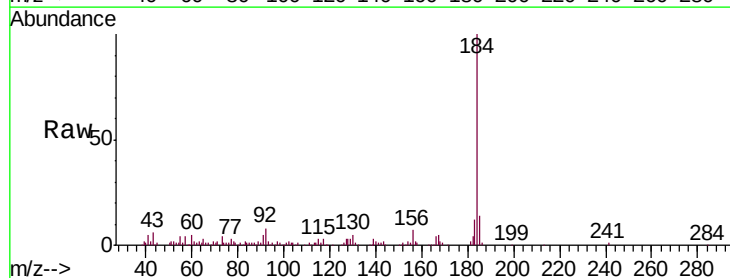


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

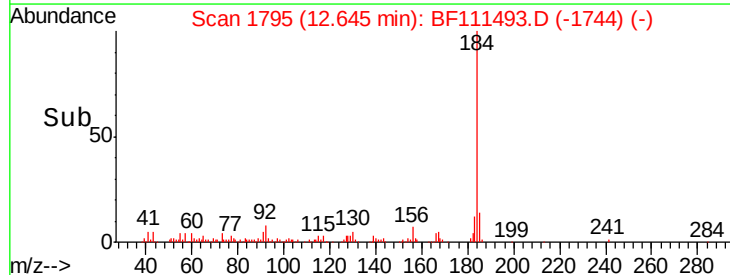
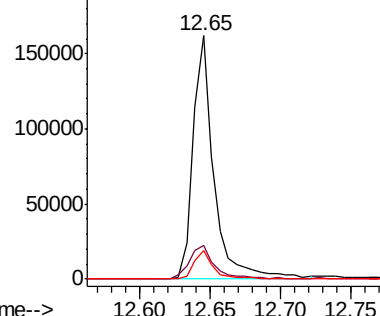


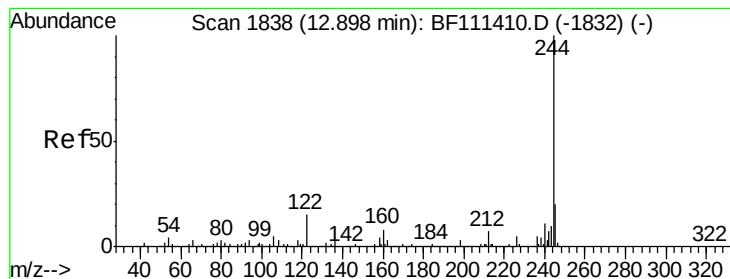
#77
Benzidine
Concen: 15.847 ng
RT: 12.65 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BF111493.D
Acq: 16 Dec 2018 4:08

Tgt Ion:184 Resp: 167291
Ion Ratio Lower Upper
184 100
185 14.0 13.0 19.6
183 11.6 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.448 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-A

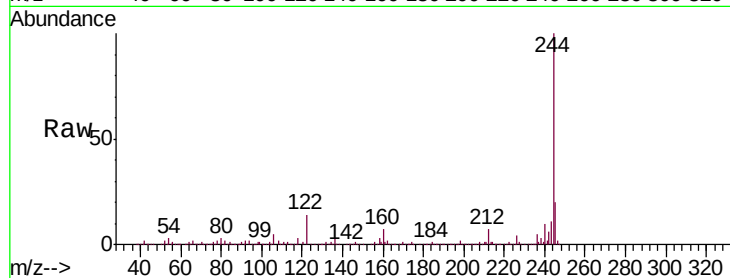
Tgt Ion:244 Resp: 1179516

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

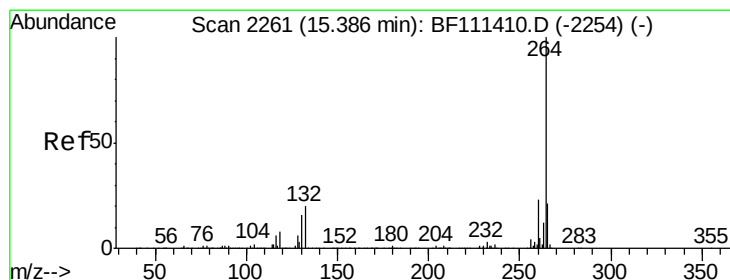
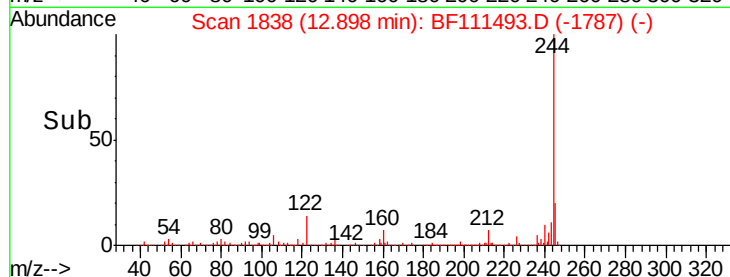
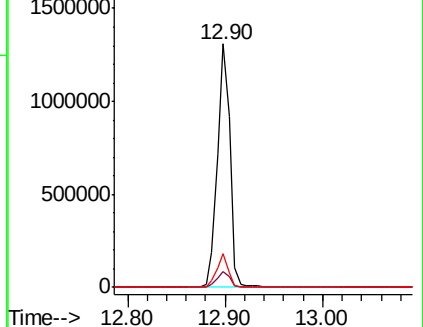
122 13.7 13.1 19.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111493.D

Acq: 16 Dec 2018 4:08

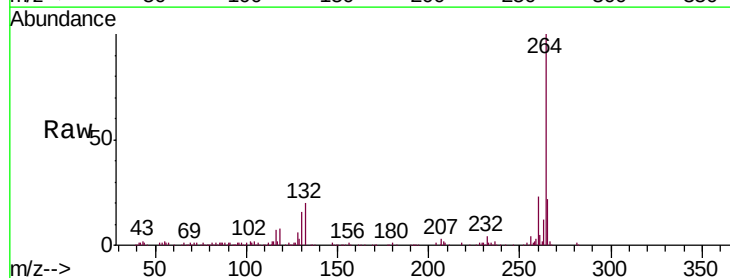
Tgt Ion:264 Resp: 196174

Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

265 22.2 17.7 26.5



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

