

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116489.D
 Acq On : 23 Aug 2019 20:44
 Operator : HP/JU
 Sample : PB122361TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122361TB

Quant Time: Aug 24 03:35:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

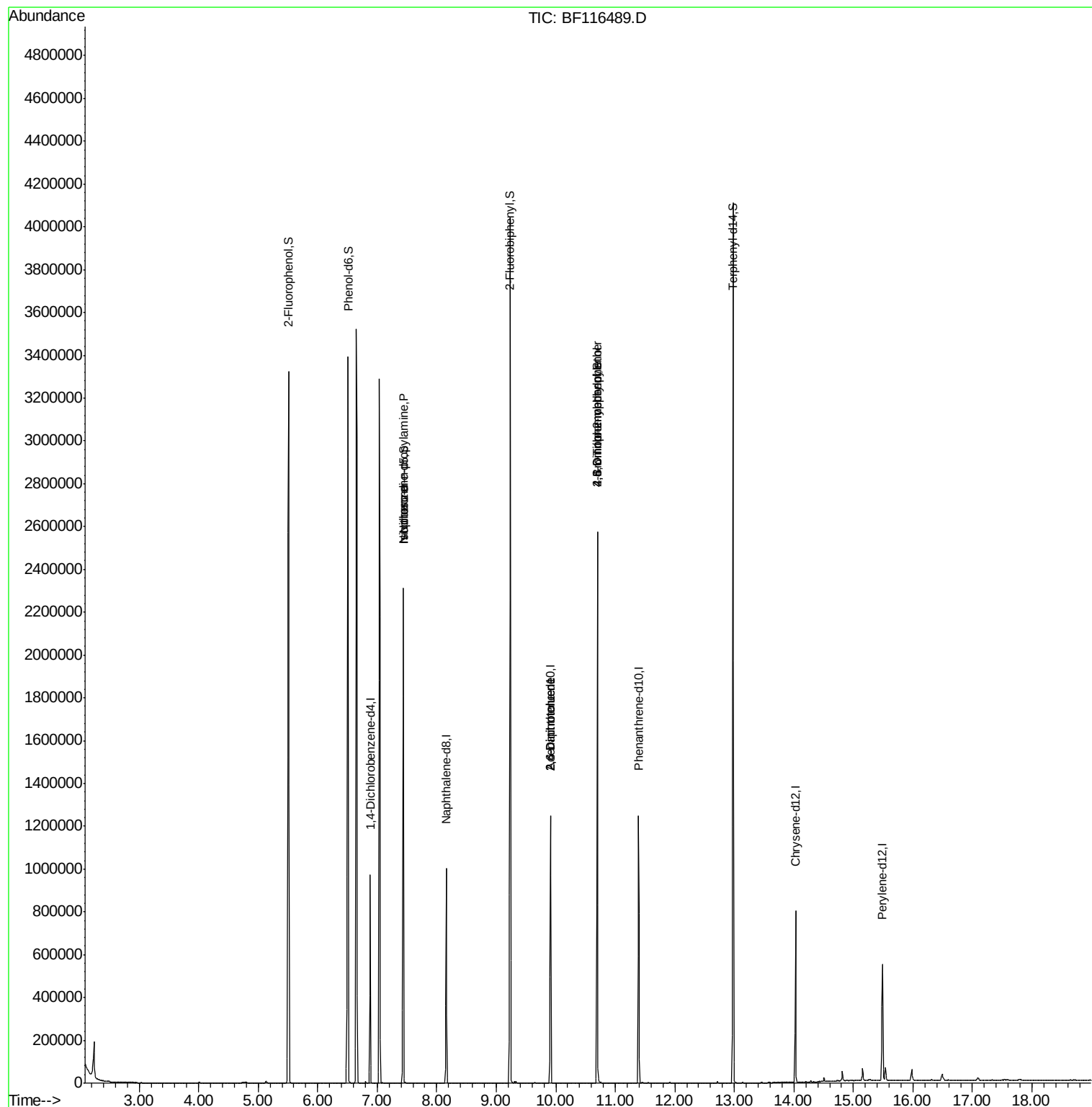
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	127033	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	480001	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	238128	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	399919	20.00	ng	0.00
76) Chrysene-d12	14.03	240	252171	20.00	ng	0.00
87) Perylene-d12	15.49	264	246582	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	963476	110.82	ng	0.01
7) Phenol-d6	6.51	99	1265452	118.71	ng	0.00
23) Nitrobenzene-d5	7.44	82	795894	90.72	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	271171	132.62	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1415124	95.70	ng	0.00
79) Terphenyl-d14	12.98	244	1331649	98.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	107994	14.846	ng	# 77
25) Isophorone	7.44	82	795664	46.019	ng	# 67
51) 2,6-Dinitrotoluene	9.91	165	30263	8.899	ng	# 25
57) 2,4-Dinitrotoluene	9.91	165	30263	6.994	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	457	7.243	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	17951	4.281	ng	# 1

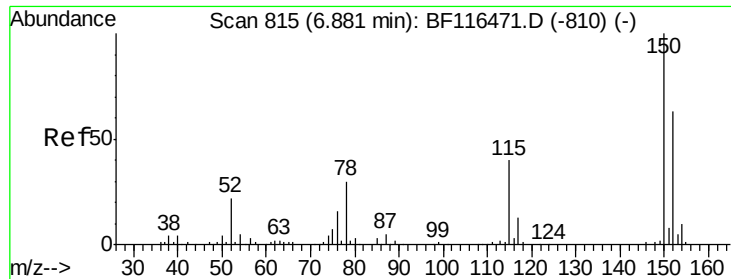
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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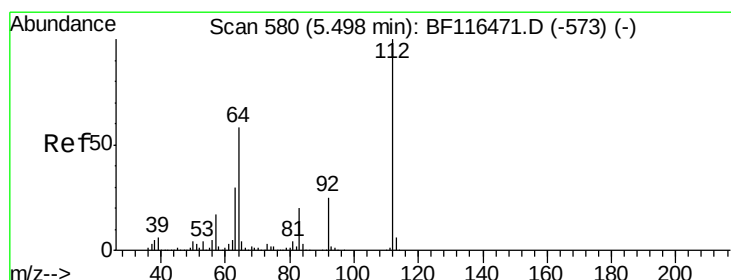
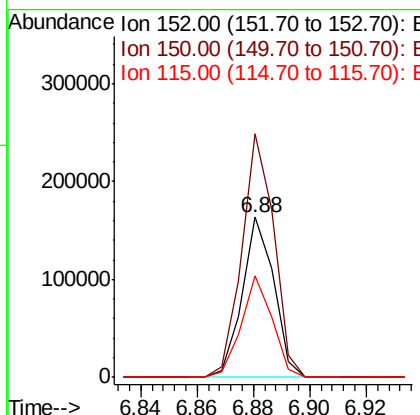
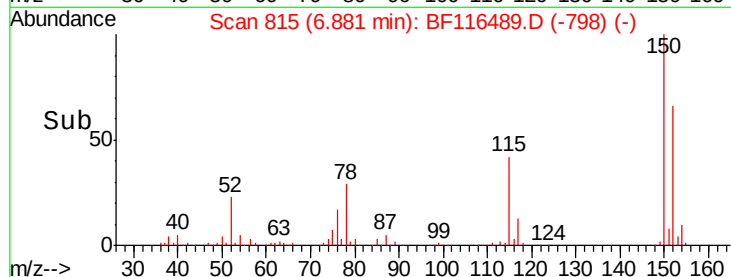
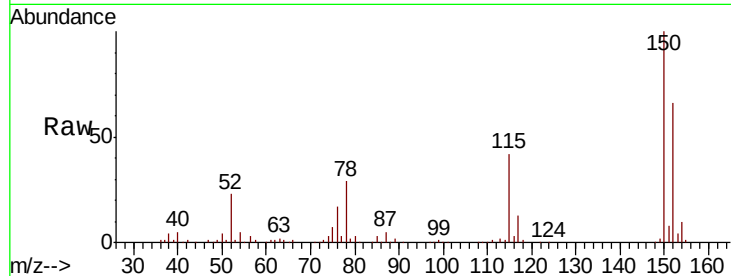




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF116489.D
 Acq: 23 Aug 2019 20:44

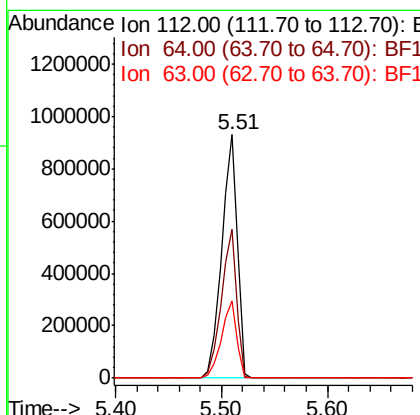
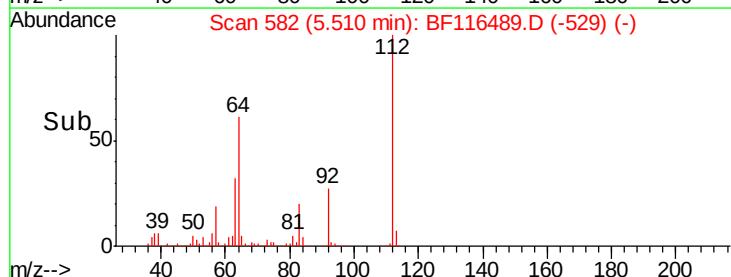
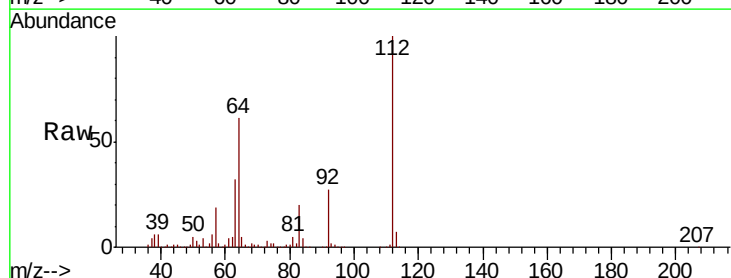
Instrument :
 BNA_F
 ClientSampleId :
 PB122361TB

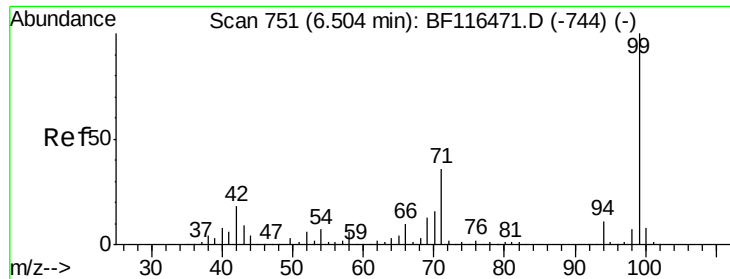
Tgt Ion:152 Resp: 127033
 Ion Ratio Lower Upper
 152 100
 150 152.0 126.7 190.1
 115 63.4 50.9 76.3



#5
 2-Fluorophenol
 Concen: 110.820 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF116489.D
 Acq: 23 Aug 2019 20:44

Tgt Ion:112 Resp: 963476
 Ion Ratio Lower Upper
 112 100
 64 61.2 46.3 69.5
 63 31.8 24.2 36.4





#7

Phenol-d6

Concen: 118.708 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

Instrument :

BNA_F

ClientSampleId :

PB122361TB

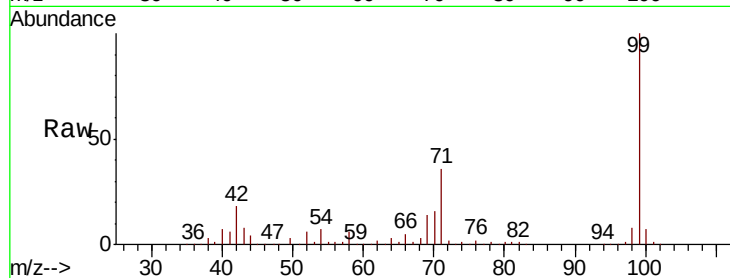
Tgt Ion: 99 Resp: 1265452

Ion Ratio Lower Upper

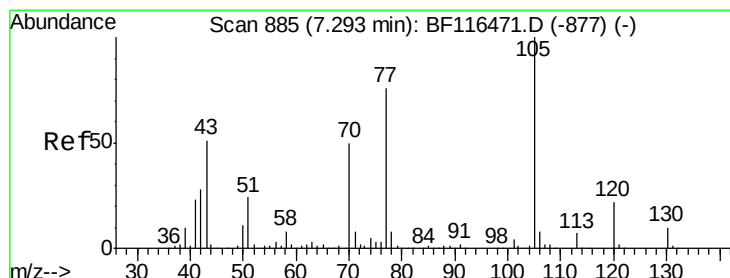
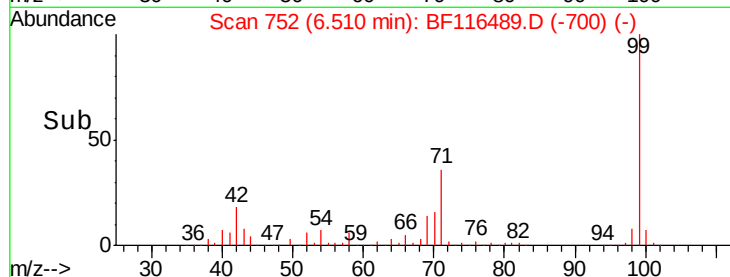
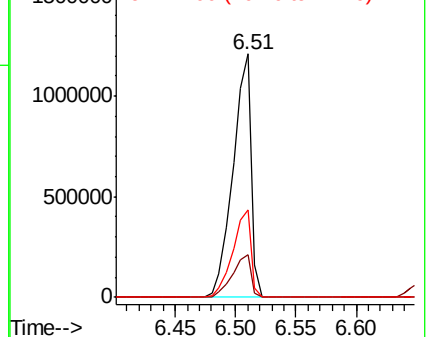
99 100

42 17.5 14.6 21.8

71 35.8 28.5 42.7



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: 14.846 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

Tgt Ion: 70 Resp: 107994

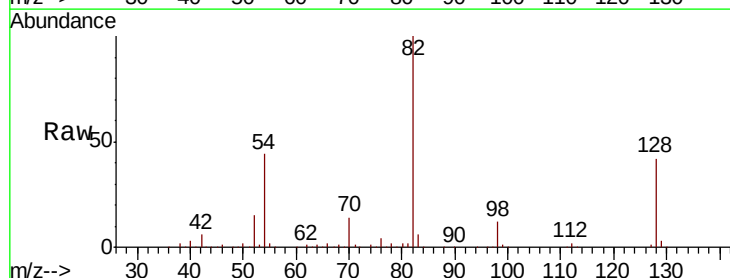
Ion Ratio Lower Upper

70 100

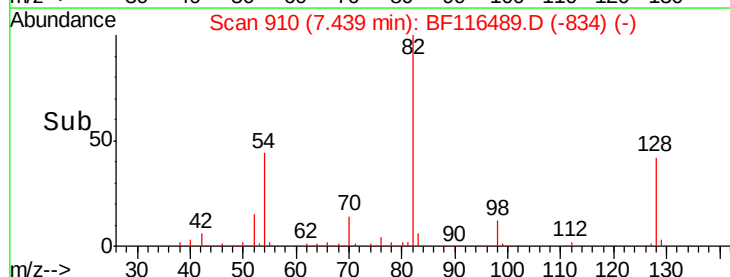
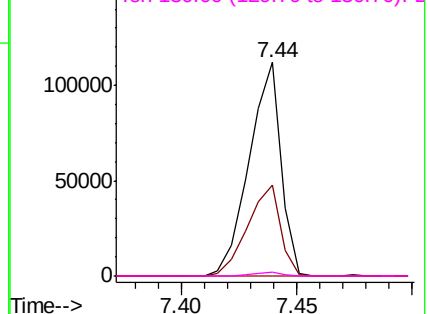
42 42.8 44.4 66.6#

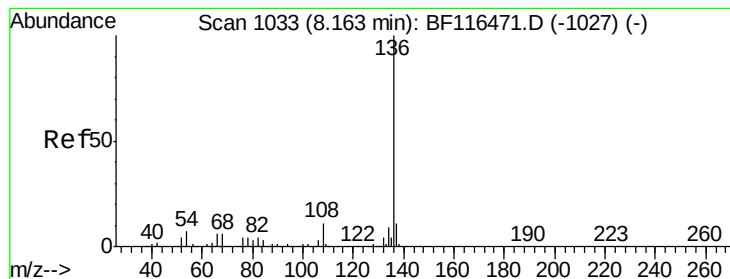
101 0.0 7.1 10.7#

130 2.1 15.8 23.8#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

Instrument :

BNA_F

ClientSampleId :

PB122361TB

Tgt Ion: 136 Resp: 480001

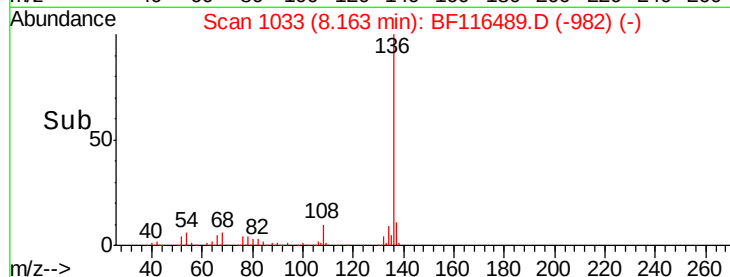
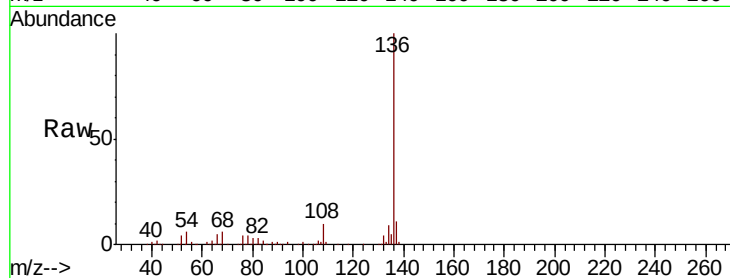
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 6.3 5.8 8.6

68 5.8 5.1 7.7

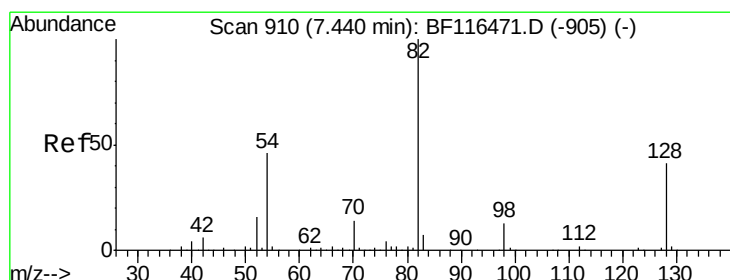
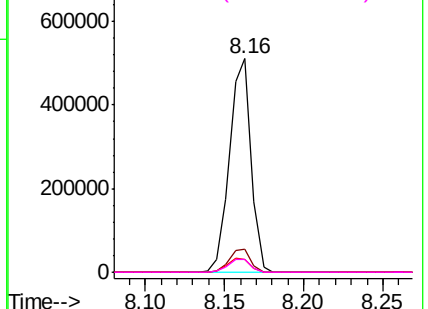


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 90.715 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

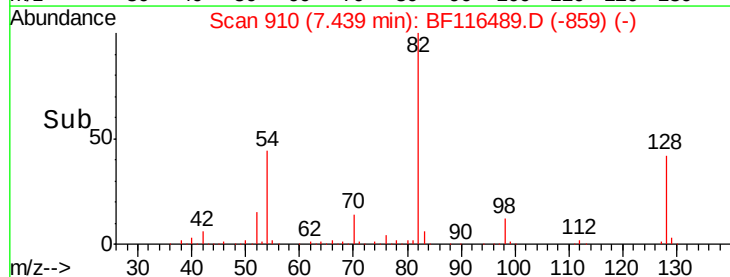
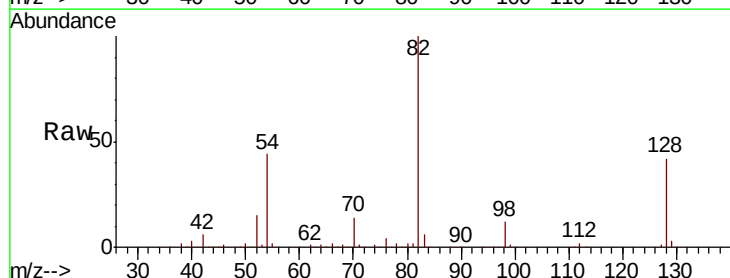
Tgt Ion: 82 Resp: 795894

Ion Ratio Lower Upper

82 100

128 42.3 32.2 48.4

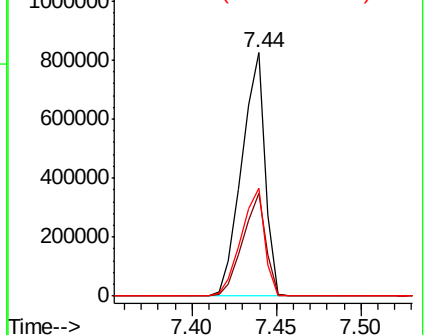
54 44.2 36.5 54.7

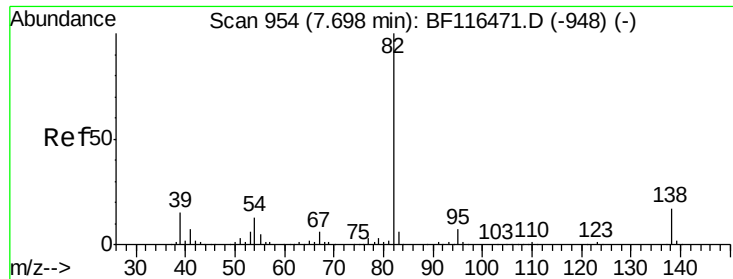


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

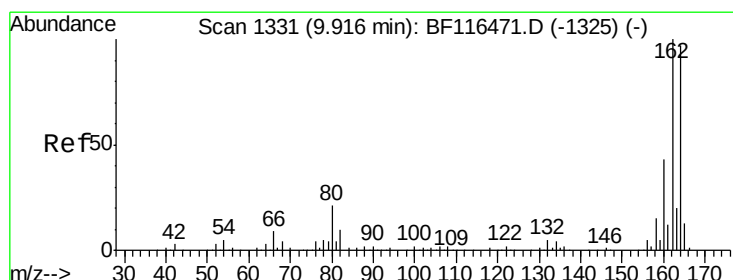
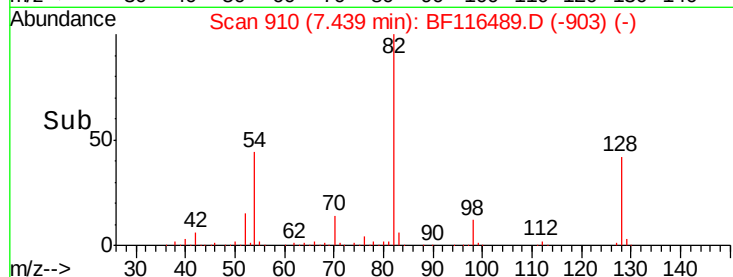
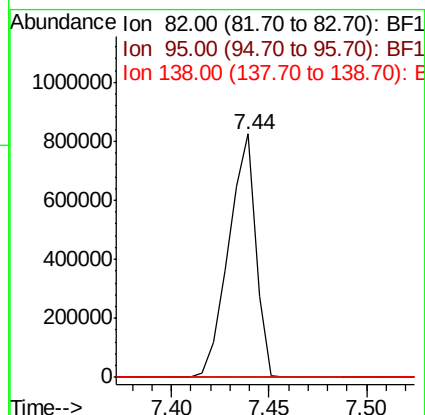
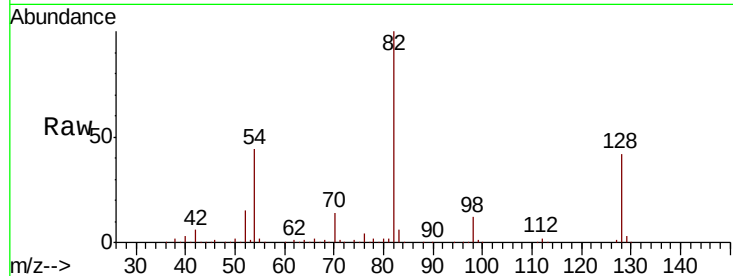




#25
Isophorone
Concen: 46.019 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF116489.D
Acq: 23 Aug 2019 20:44

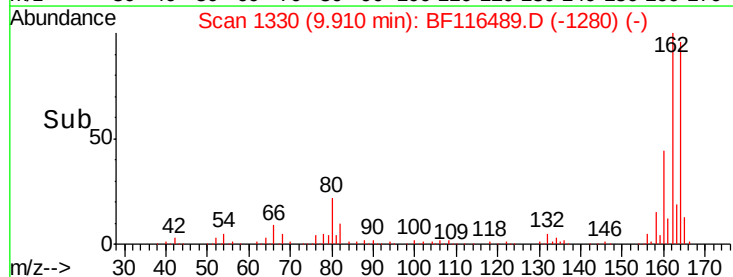
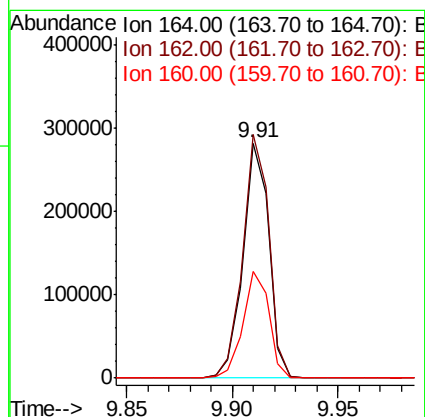
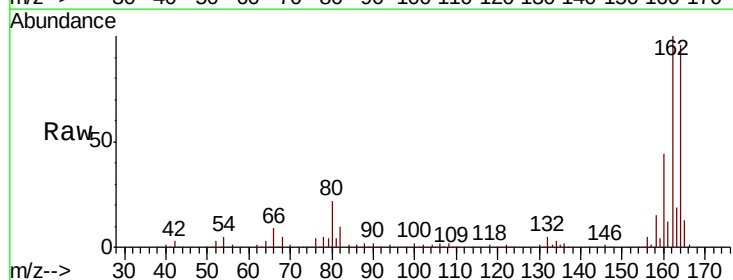
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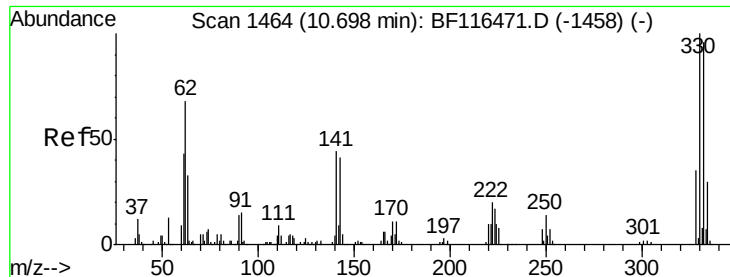
Tgt Ion: 82 Resp: 795664
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116489.D
Acq: 23 Aug 2019 20:44

Tgt Ion: 164 Resp: 238128
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 45.3 35.8 53.8

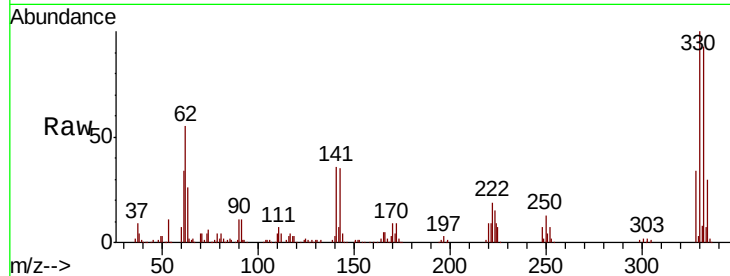




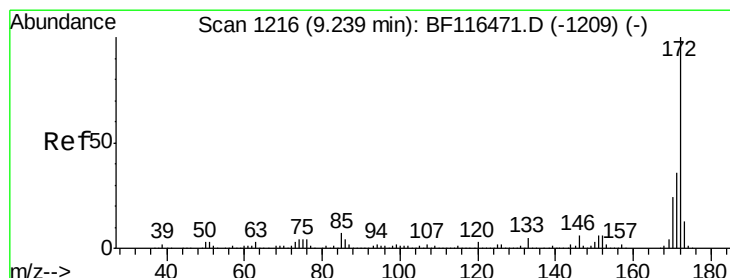
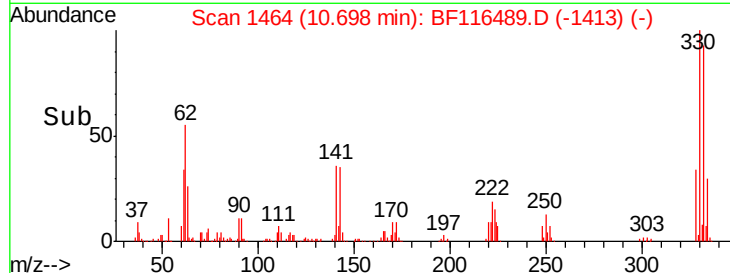
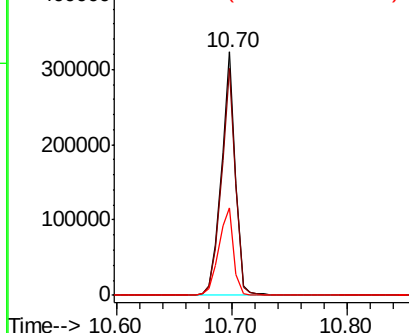
#42
 2,4,6-Tribromophenol
 Concen: 132.619 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116489.D
 Acq: 23 Aug 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
 PB122361TB

Tgt Ion:330 Resp: 271171
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.2 115.8
 141 38.1 33.3 49.9

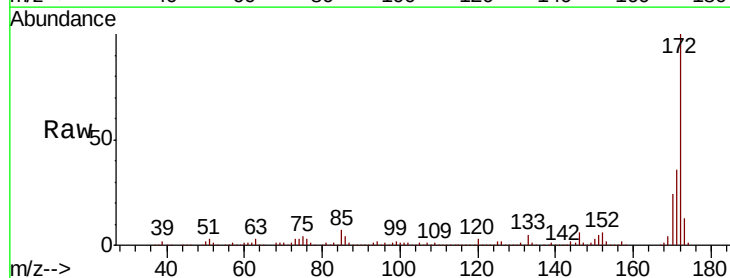


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

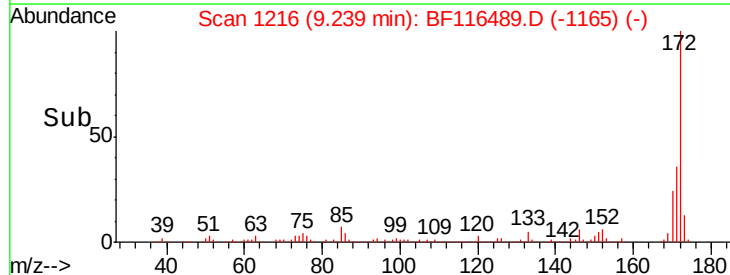
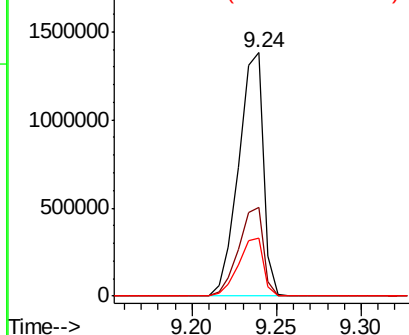


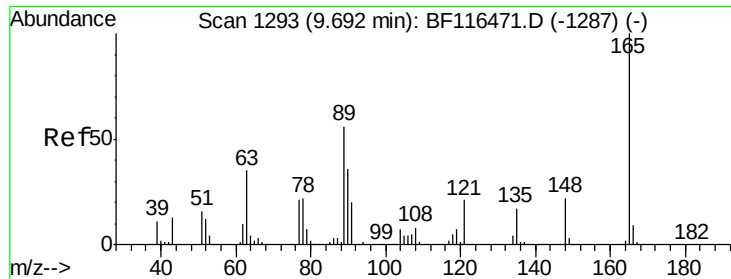
#45
 2-Fluorobiphenyl
 Concen: 95.702 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116489.D
 Acq: 23 Aug 2019 20:44

Tgt Ion:172 Resp: 1415124
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 23.8 19.4 29.0



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: 8.899 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.22 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

Instrument :

BNA_F

ClientSampleId :

PB122361TB

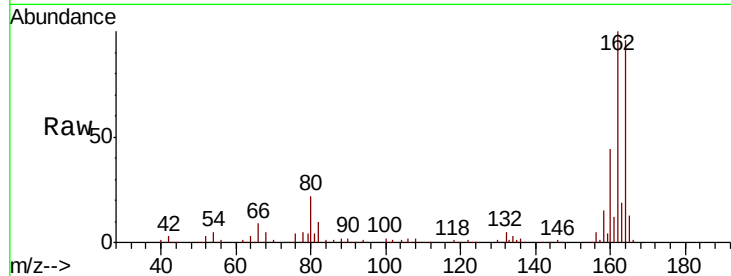
Tgt Ion:165 Resp: 30263

Ion Ratio Lower Upper

165 100

63 1.4 43.7 65.5#

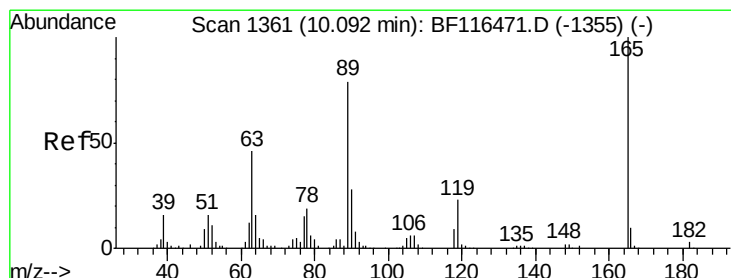
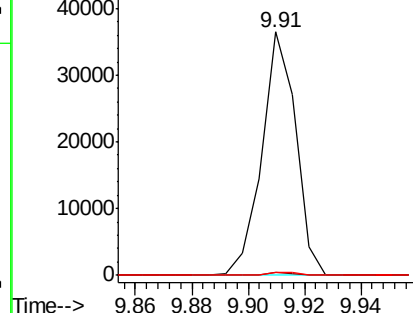
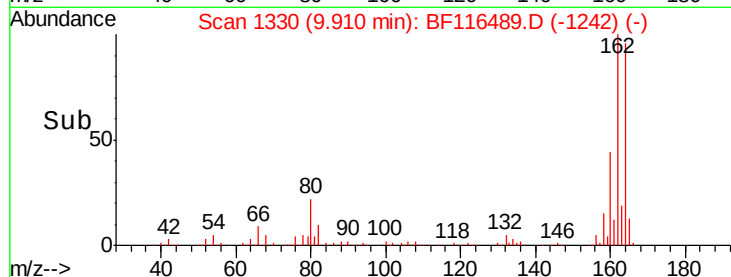
89 1.3 45.1 67.7#



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: 6.994 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.18 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

Tgt Ion:165 Resp: 30263

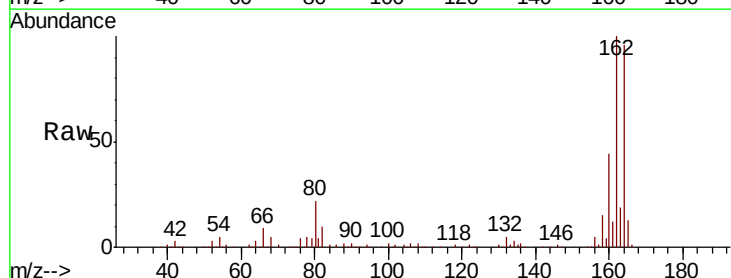
Ion Ratio Lower Upper

165 100

63 1.4 36.9 55.3#

89 1.3 63.4 95.0#

182 0.0 2.1 3.1#

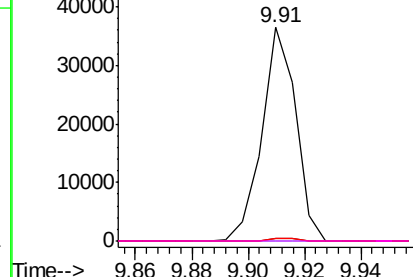
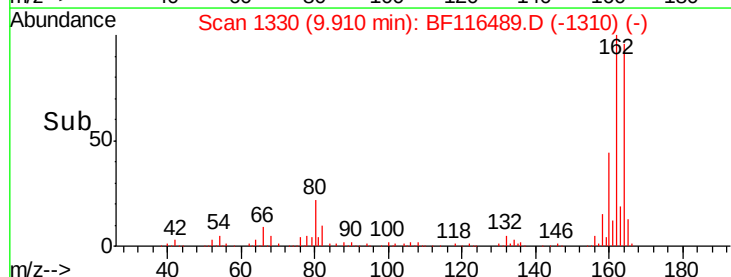


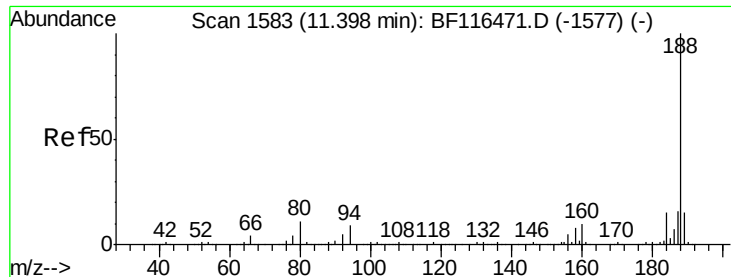
Abundance Ion 165.00 (164.70 to 165.70): E

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

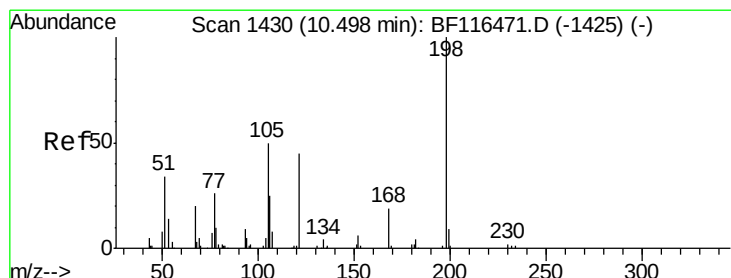
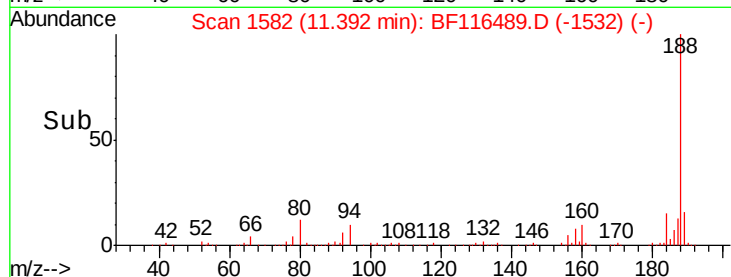
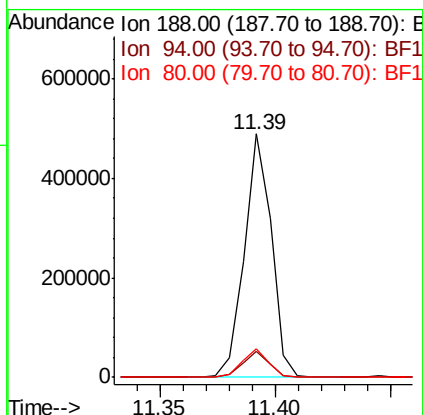
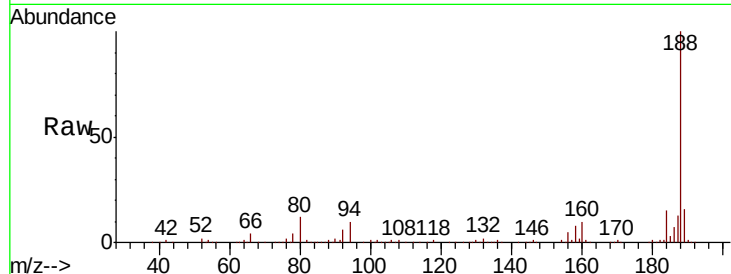




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF116489.D
Acq: 23 Aug 2019 20:44

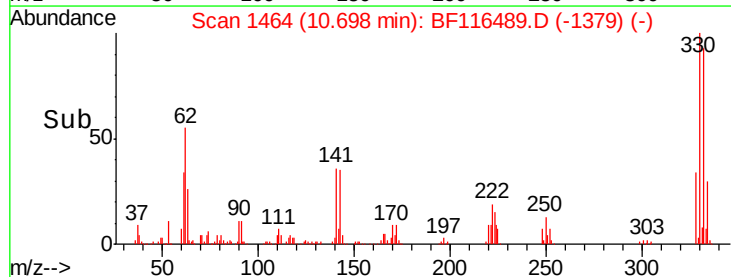
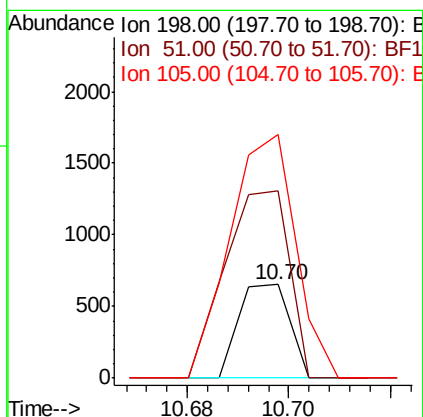
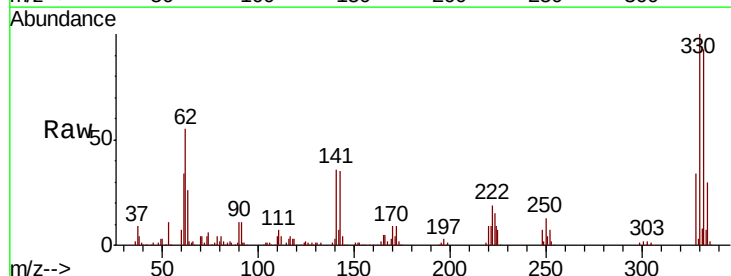
Instrument :
BNA_F
ClientSampleId :
PB122361TB

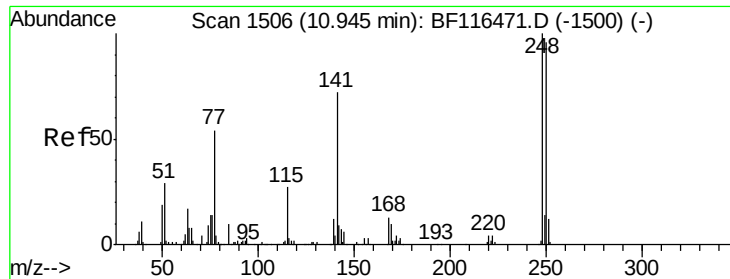
Tgt Ion:188 Resp: 399919
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.2
80 11.8 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.243 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116489.D
Acq: 23 Aug 2019 20:44

Tgt Ion:198 Resp: 457
Ion Ratio Lower Upper
198 100
51 200.2 30.4 70.4#
105 260.3 32.8 72.8#

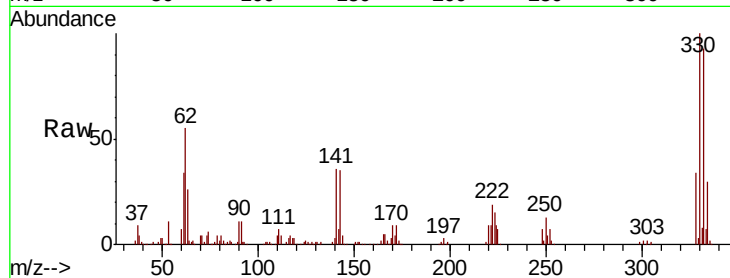




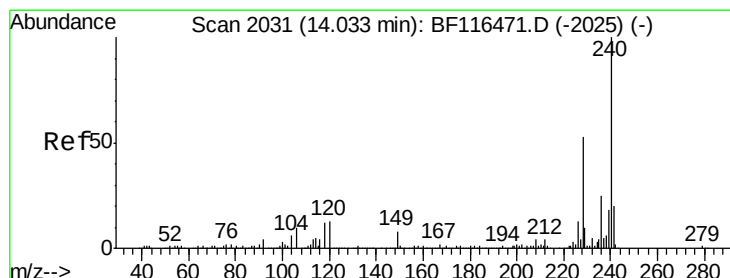
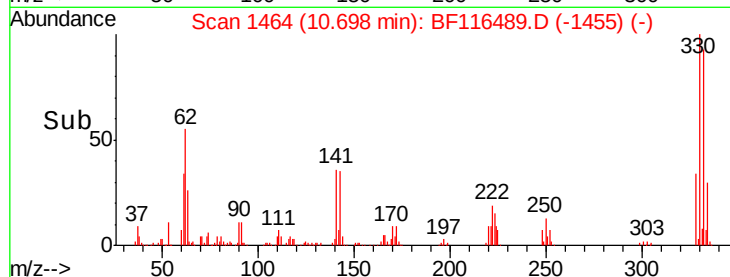
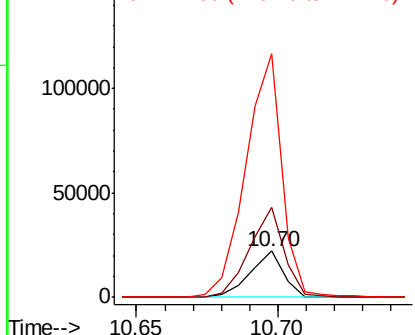
#67
 4-Bromophenyl-phenylether
 Concen: 4.281 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116489.D
 Acq: 23 Aug 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
 PB122361TB

Tgt Ion:248 Resp: 17951
 Ion Ratio Lower Upper
 248 100
 250 197.2 77.0 115.6#
 141 530.3 57.4 86.0#

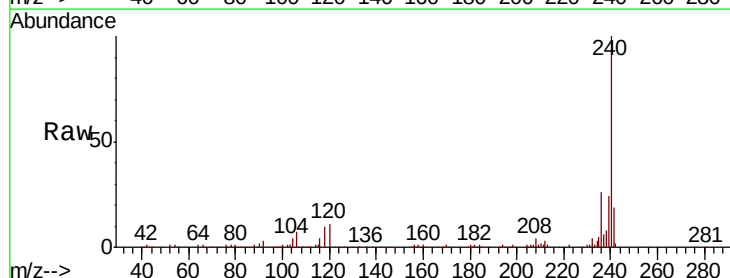


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

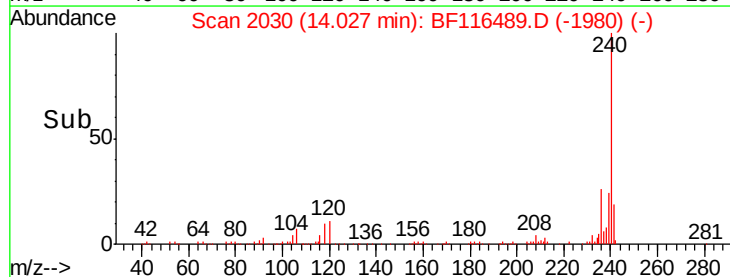
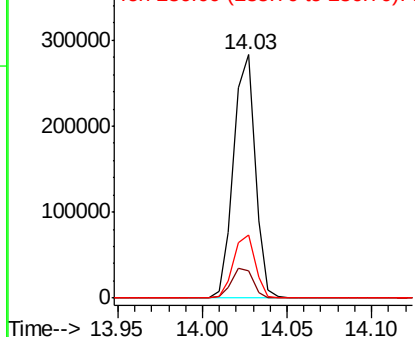


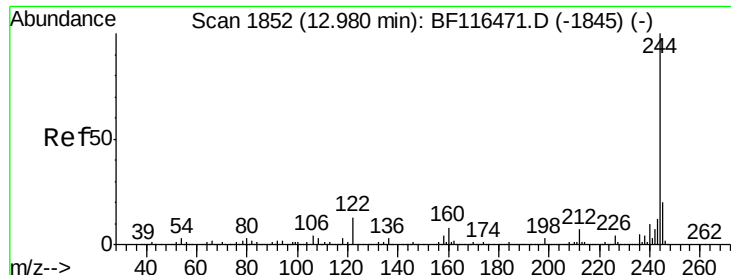
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116489.D
 Acq: 23 Aug 2019 20:44

Tgt Ion:240 Resp: 252171
 Ion Ratio Lower Upper
 240 100
 120 11.1 10.5 15.7
 236 26.0 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





#79

Terphenyl-d14

Concen: 98.639 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

Instrument :

BNA_F

ClientSampleId :

PB122361TB

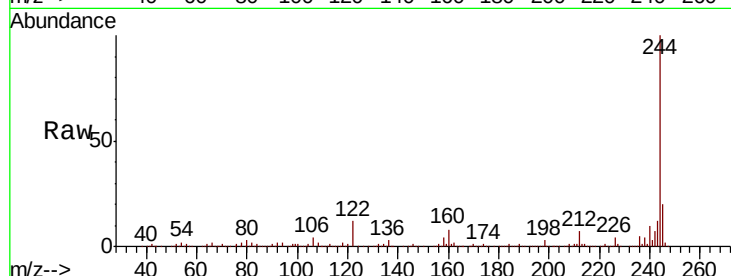
Tgt Ion:244 Resp: 1331649

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

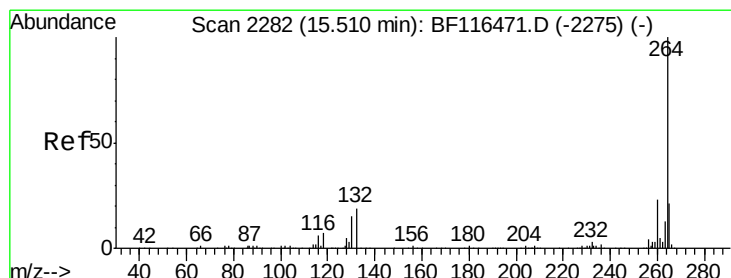
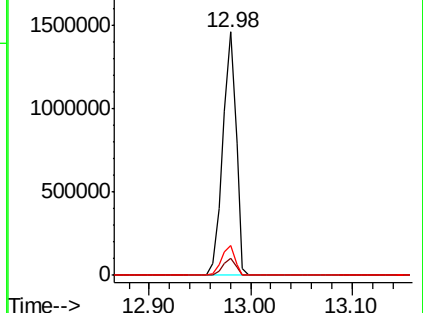
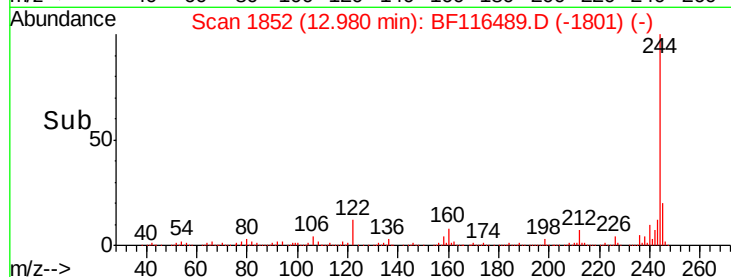
122 12.4 10.2 15.4



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: 15.49 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF116489.D

Acq: 23 Aug 2019 20:44

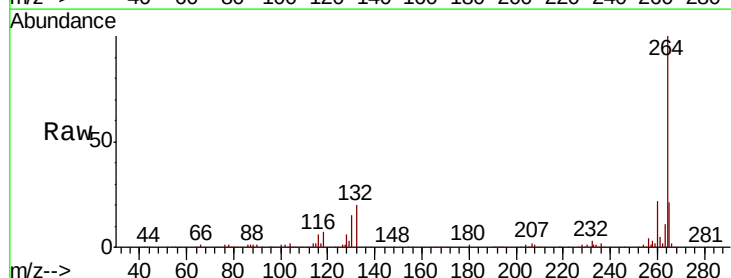
Tgt Ion:264 Resp: 246582

Ion Ratio Lower Upper

264 100

260 22.4 18.8 28.2

265 21.3 17.1 25.7



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

