

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090919\
 Data File : BF116899.D
 Acq On : 9 Sep 2019 16:24
 Operator : HP/JU
 Sample : PB122923BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 17:32:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 09 16:37:52 2019
 Response via : Initial Calibration

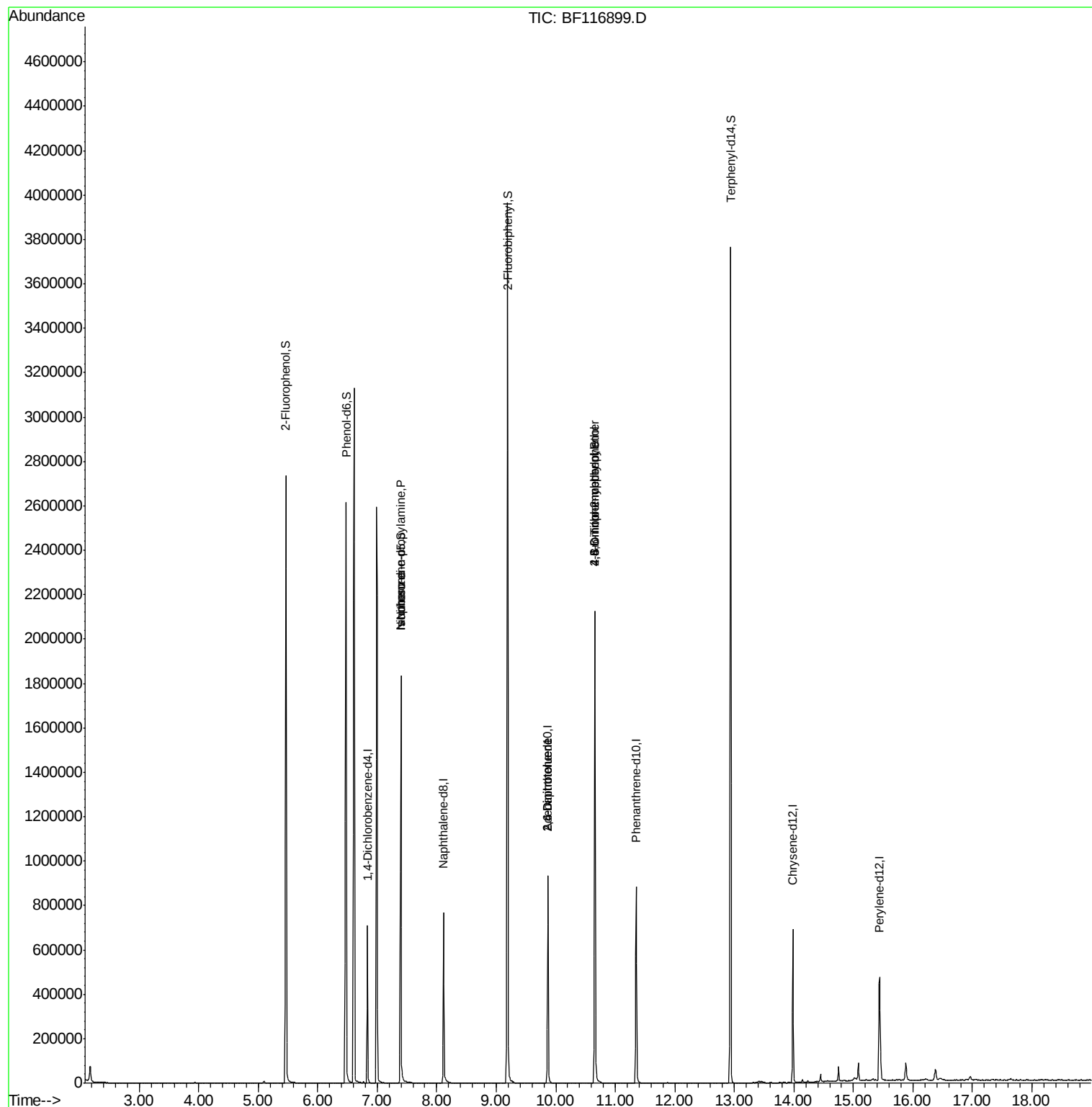
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	103727	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	402658	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	207986	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	344389	20.00	ng	0.00
76) Chrysene-d12	13.99	240	259069	20.00	ng	0.00
87) Perylene-d12	15.44	264	229251	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	915878	143.05	ng	0.01
7) Phenol-d6	6.48	99	1222655	145.43	ng	0.00
23) Nitrobenzene-d5	7.40	82	770606	109.25	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	273911	197.00	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1330248	107.89	ng	0.00
79) Terphenyl-d14	12.94	244	1357330	96.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	101716	18.374	ng	# 78
25) Isophorone	7.40	82	770601	53.916	ng	# 67
51) 2,6-Dinitrotoluene	9.87	165	27562	10.060	ng	# 19
57) 2,4-Dinitrotoluene	9.87	165	27562	8.228	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	581	7.838	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	17640	5.042	ng	# 1

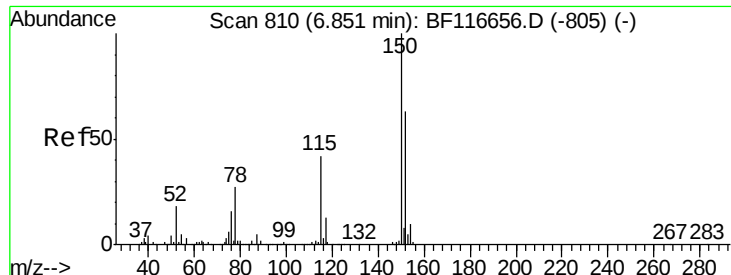
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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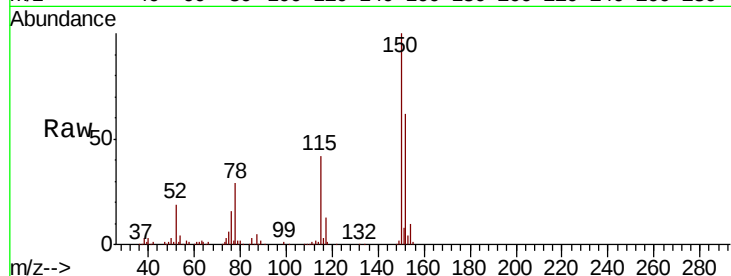


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116899.D
Acq: 9 Sep 2019 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.2	189.4
115	68.1	51.5	77.3

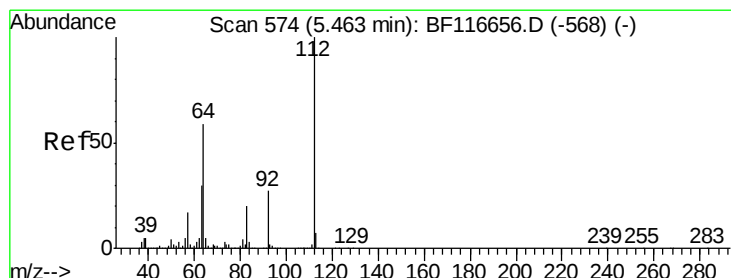
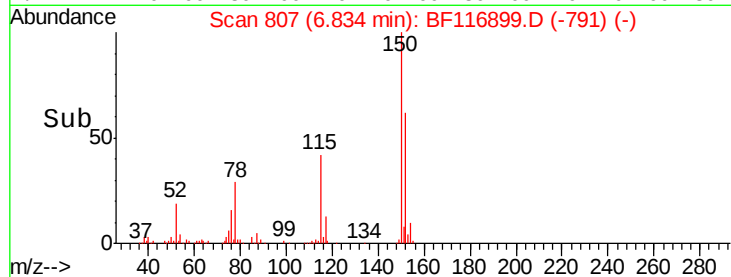
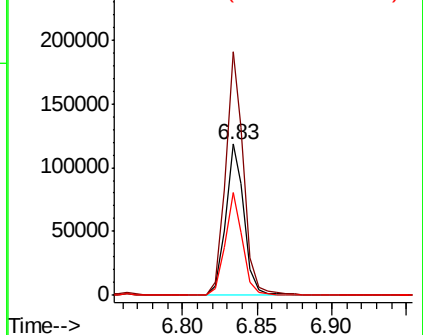


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

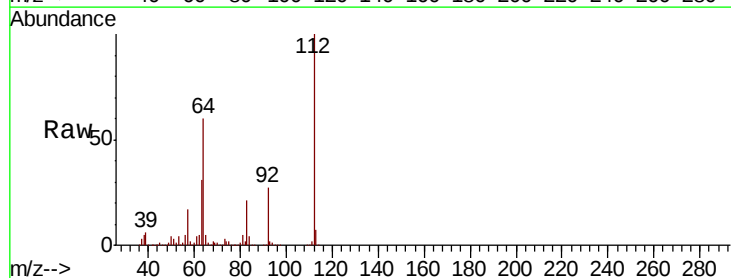
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 143.046 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116899.D
Acq: 9 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	45.9	68.9
63	31.1	24.7	37.1

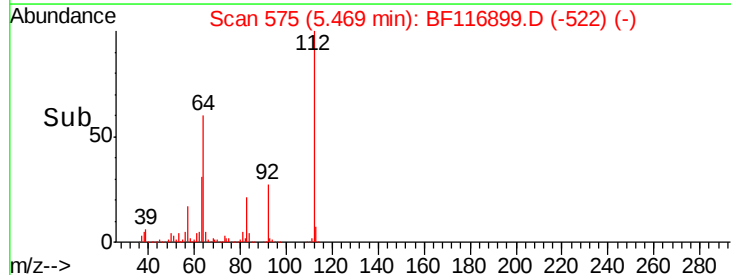
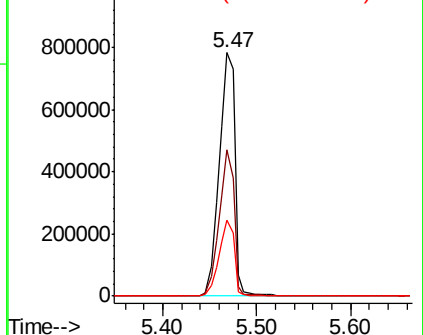


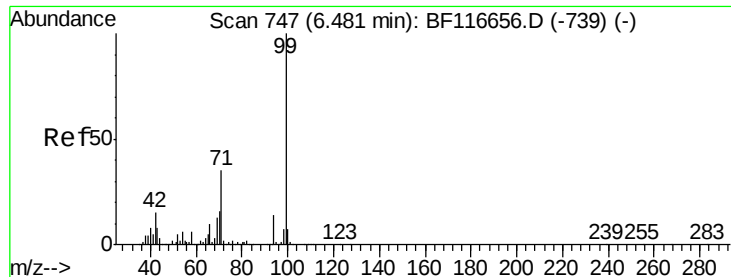
Abundance

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: 145.426 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Instrument :

BNA_F

ClientSampleId :

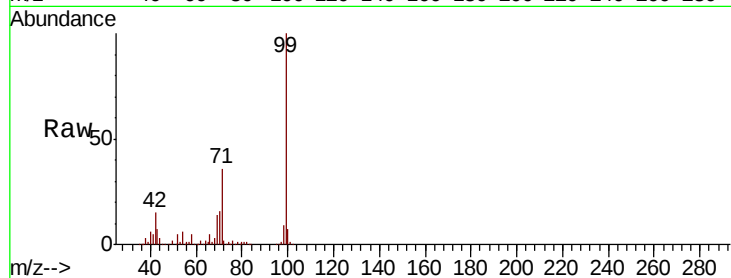
Tot Ion: 99 Resp: 1222655

Ion Ratio Lower Upper

99 100

42 14.6 12.1 18.1

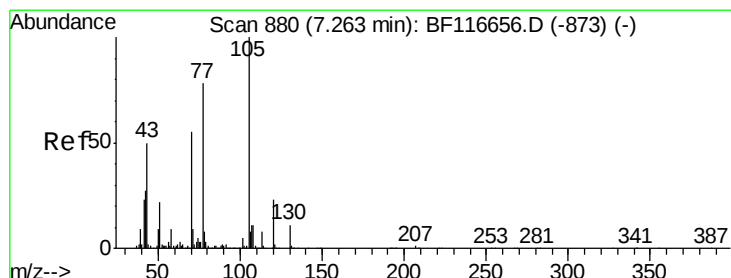
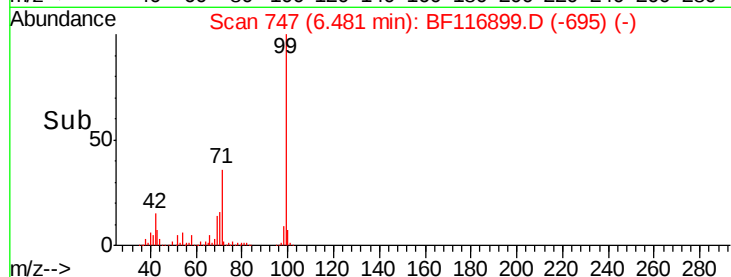
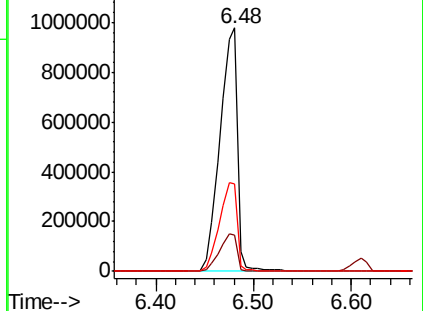
71 35.7 29.6 44.4



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: 18.374 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Tgt Ion: 70 Resp: 101716

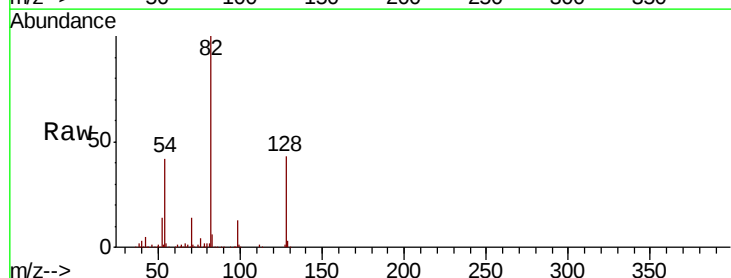
Ion Ratio Lower Upper

70 100

42 37.1 37.5 56.3#

101 0.0 8.1 12.1#

130 1.9 15.4 23.0#

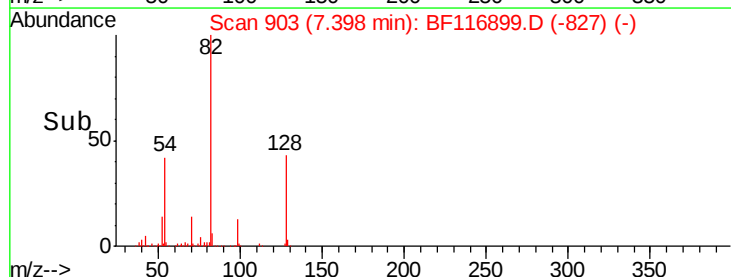
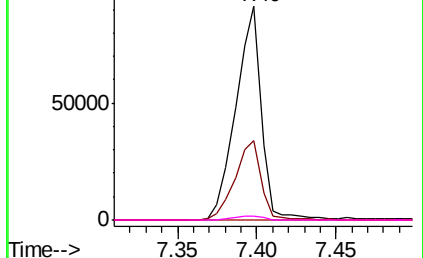


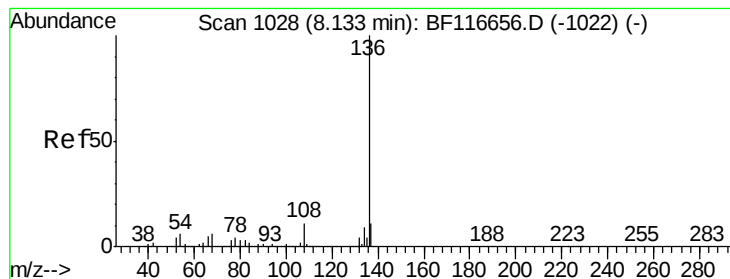
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 402658

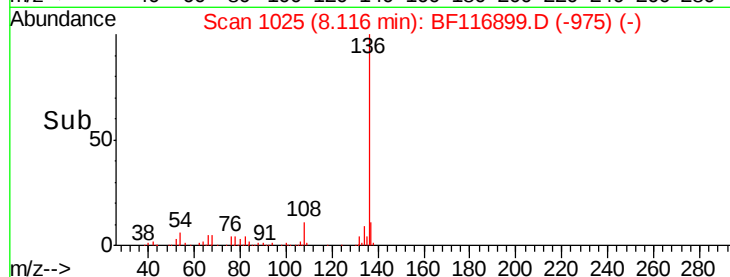
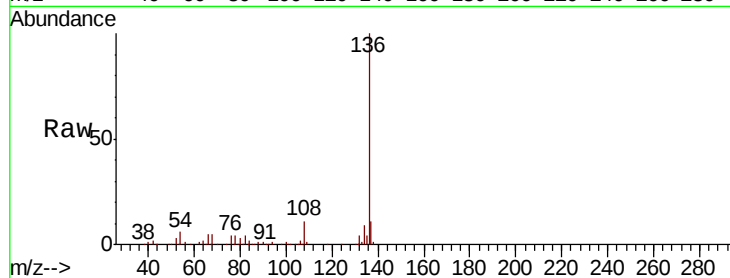
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 5.6 4.2 6.2

68 4.8 3.9 5.9

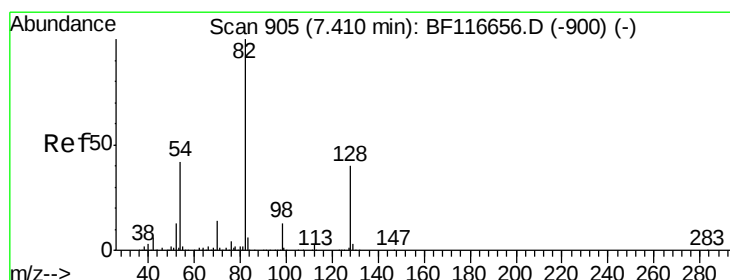
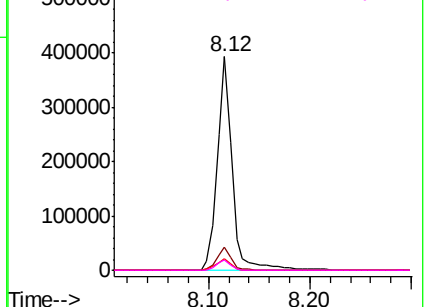


Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.254 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

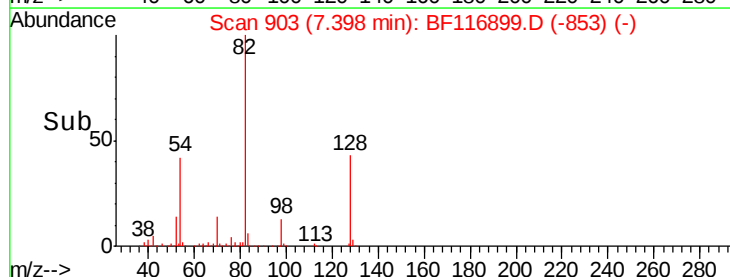
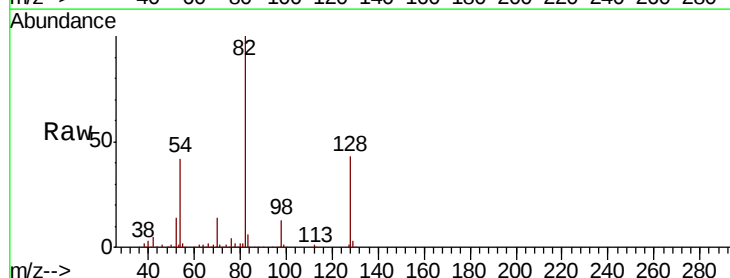
Tgt Ion: 82 Resp: 770606

Ion Ratio Lower Upper

82 100

128 43.3 33.8 50.8

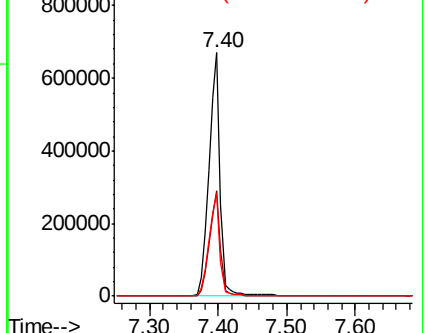
54 42.2 32.6 48.8

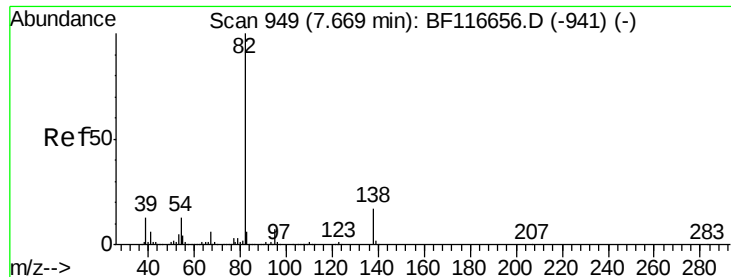


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.916 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Instrument :

BNA_F

ClientSampleId :

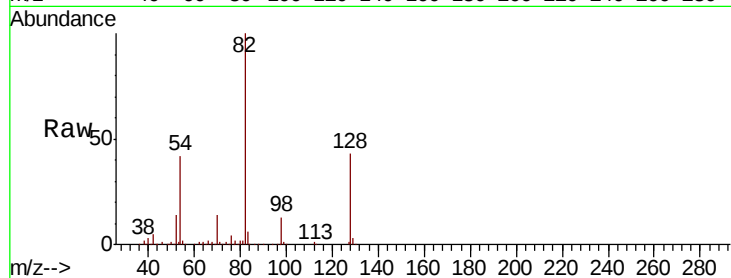
Tot Ion: 82 Resp: 770601

Ion Ratio Lower Upper

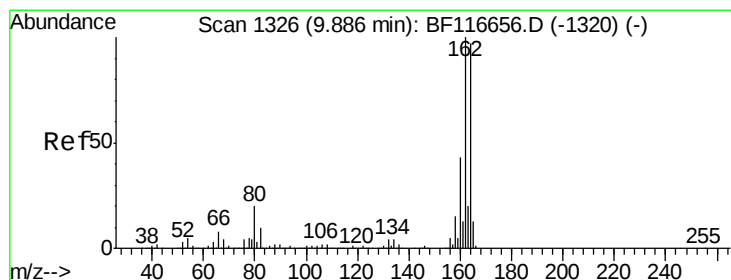
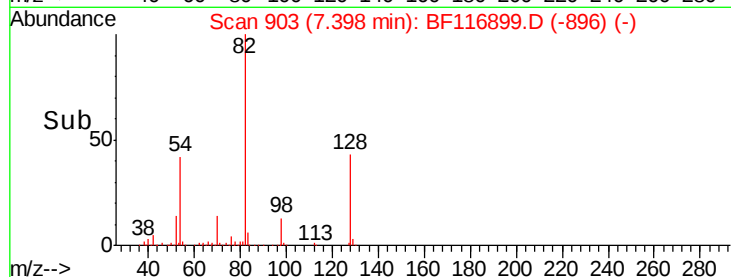
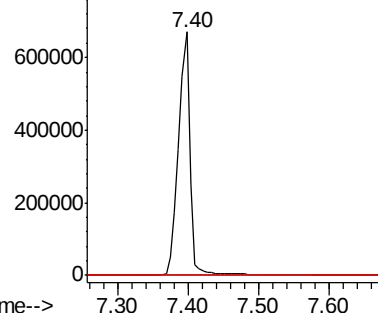
82 100

95 0.0 5.8 8.6#

138 0.0 13.2 19.8#



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: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

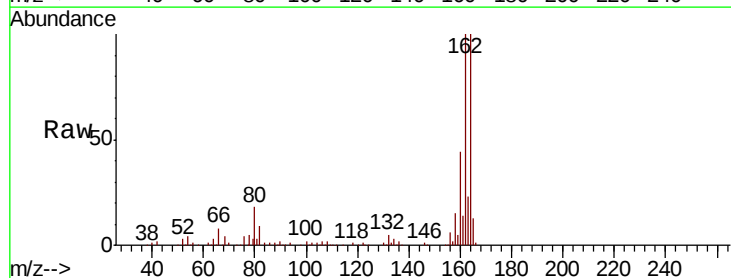
Tgt Ion: 164 Resp: 207986

Ion Ratio Lower Upper

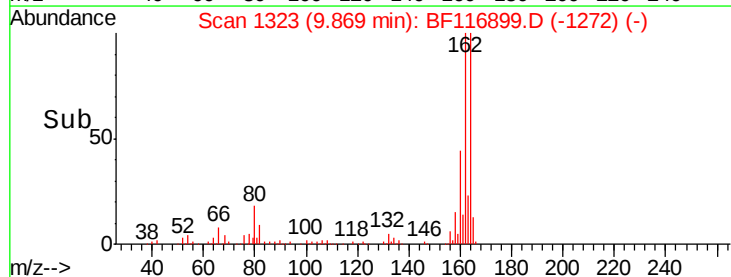
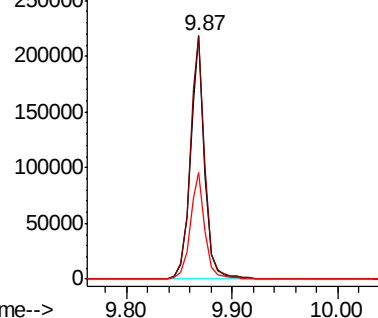
164 100

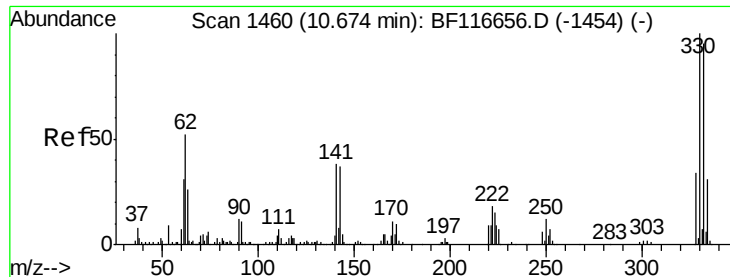
162 99.5 80.6 121.0

160 43.8 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

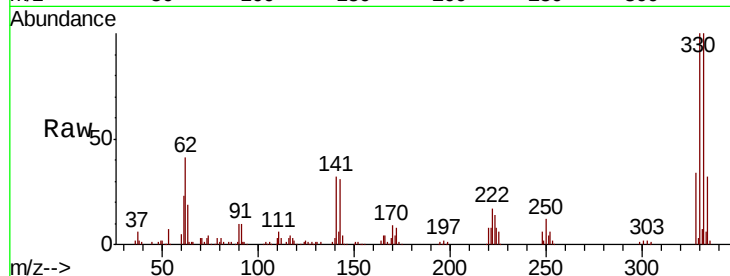




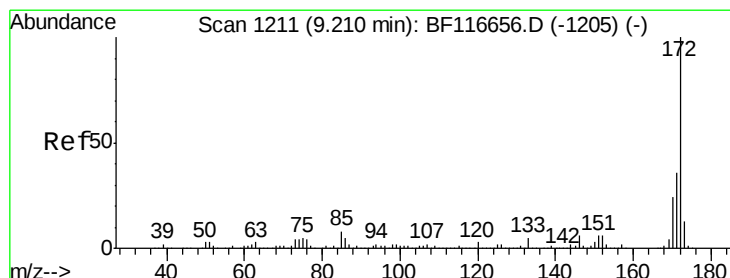
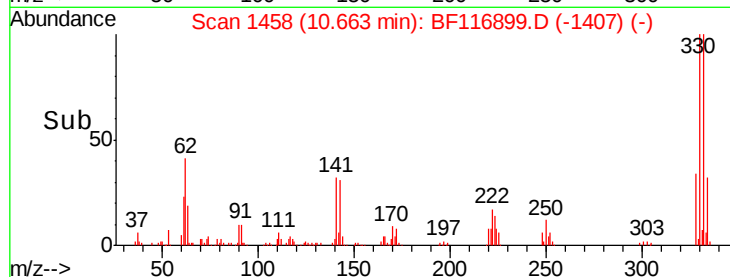
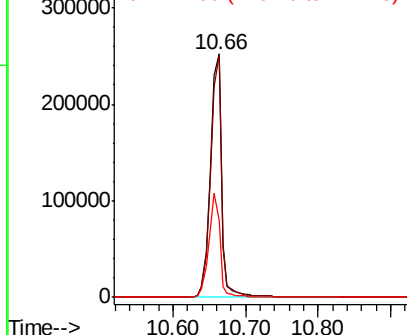
#42
 2,4,6-Tribromophenol
 Concen: 196.997 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF116899.D
 Acq: 9 Sep 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 273911
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 42.3 35.2 52.8

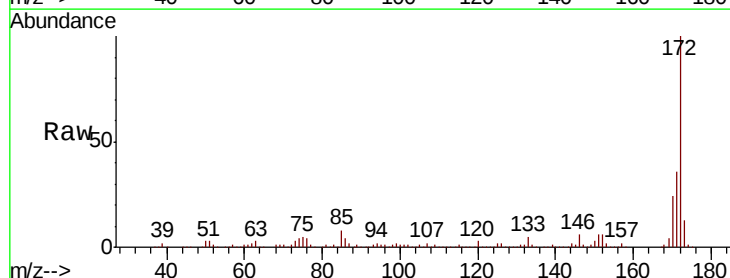


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

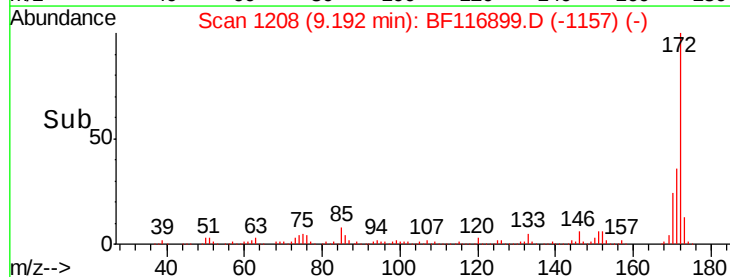
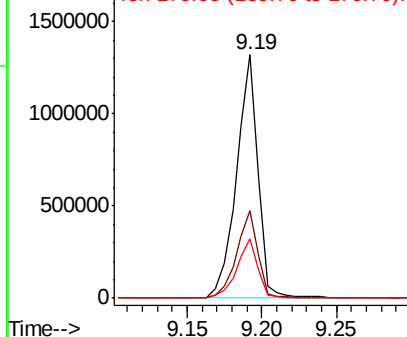


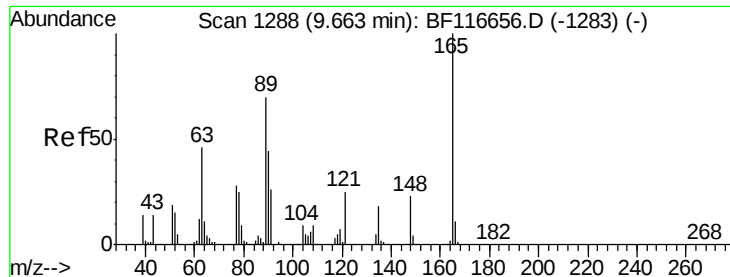
#45
 2-Fluorobiphenyl
 Concen: 107.891 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF116899.D
 Acq: 9 Sep 2019 16:24

Tgt Ion:172 Resp: 1330248
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.3 42.5
 170 24.2 19.2 28.8



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: 10.060 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.22 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Instrument :

BNA_F

ClientSampleId :

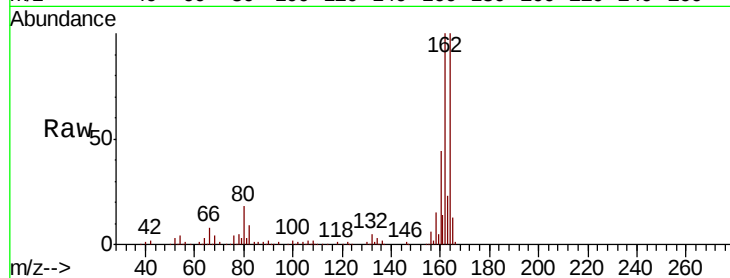
Tot Ion:165 Resp: 27562

Ion Ratio Lower Upper

165 100

63 1.2 50.8 76.2#

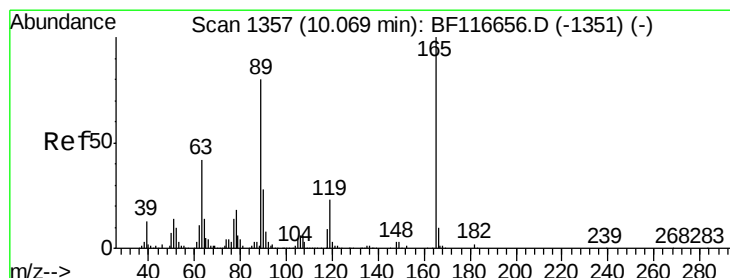
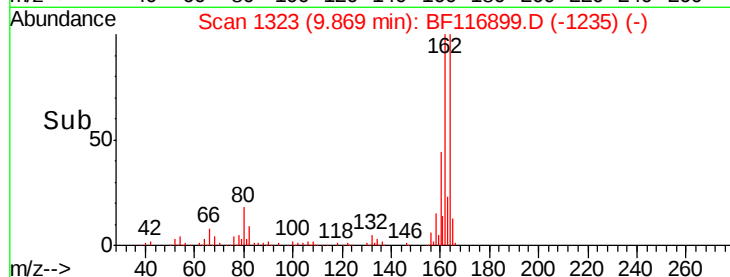
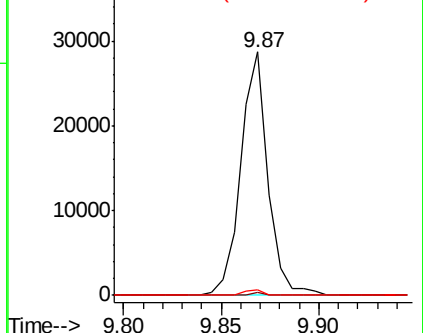
89 2.2 54.8 82.2#



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



#57

2,4-Dinitrotoluene

Concen: 8.228 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.19 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Tgt Ion:165 Resp: 27562

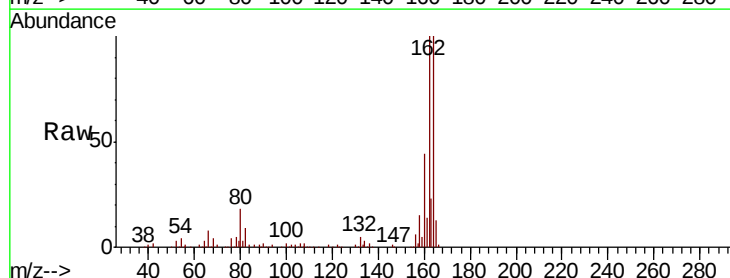
Ion Ratio Lower Upper

165 100

63 1.2 35.3 52.9#

89 2.2 63.8 95.8#

182 0.0 1.8 2.6#

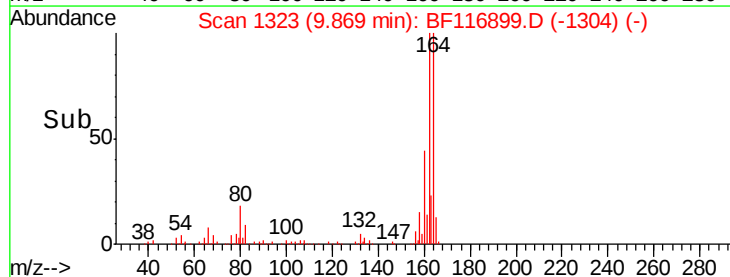
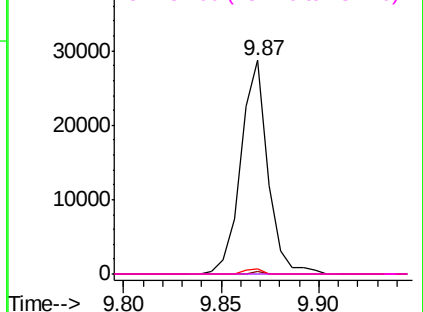


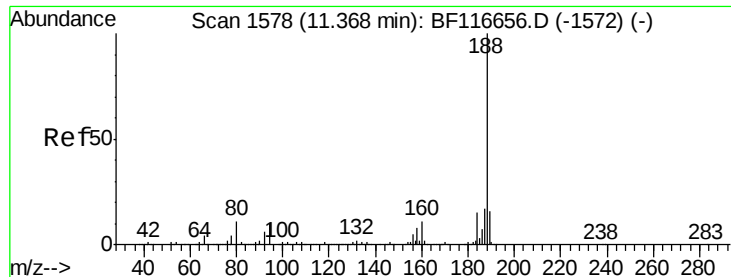
Abundance Ion 165.00 (164.70 to 165.70): E

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

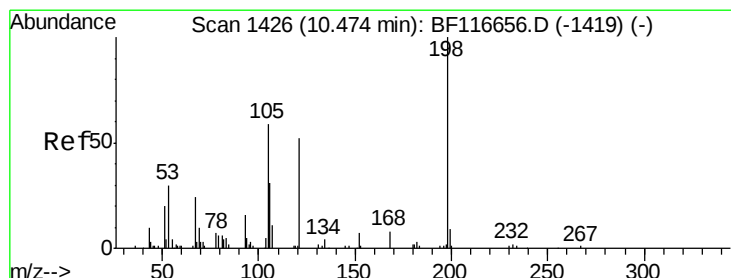
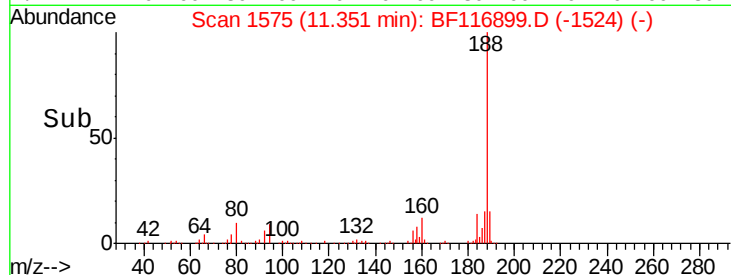
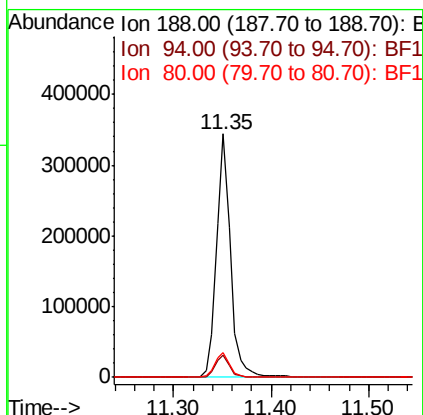
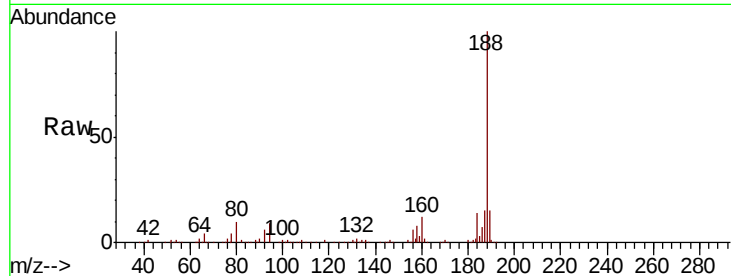




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF116899.D
Acq: 9 Sep 2019 16:24

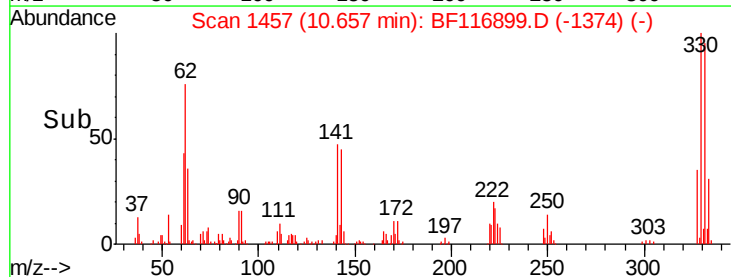
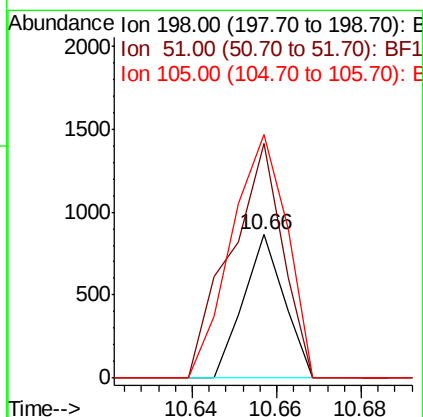
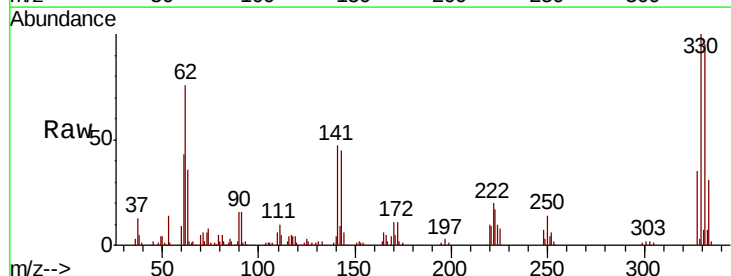
Instrument :
BNA_F
ClientSampleId :

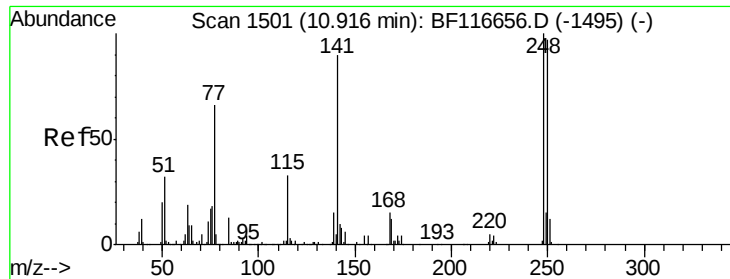
Tot Ion:188 Resp: 344389
Ion Ratio Lower Upper
188 100
94 9.3 7.9 11.9
80 10.3 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 7.838 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.19 min
Lab File: BF116899.D
Acq: 9 Sep 2019 16:24

Tgt Ion:198 Resp: 581
Ion Ratio Lower Upper
198 100
51 164.0 27.2 67.2#
105 170.1 37.2 77.2#

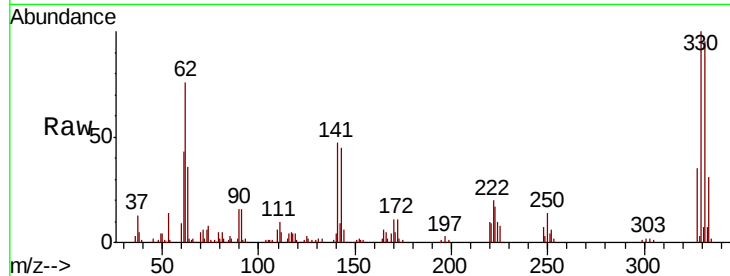




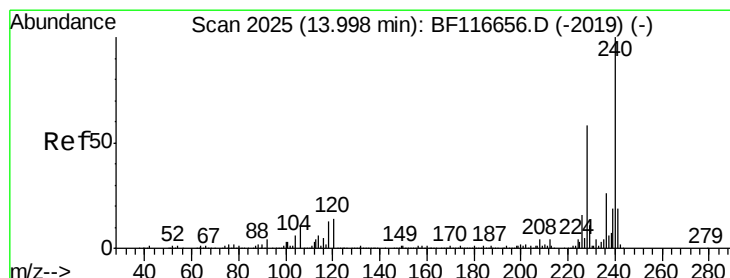
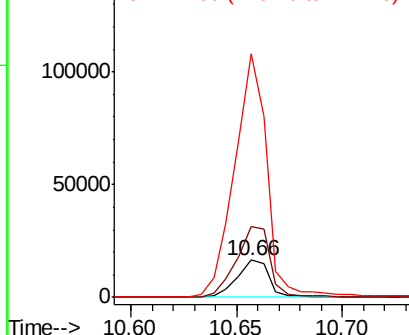
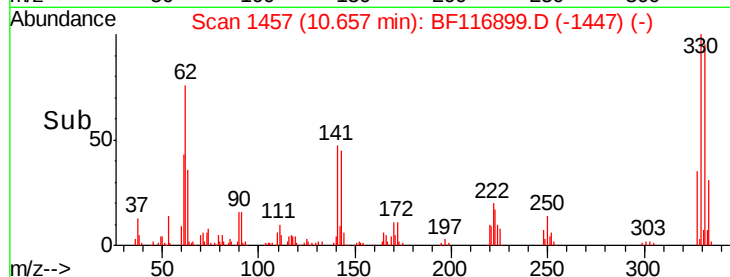
#67
4-Bromophenyl-phenylether
Concen: 5.042 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF116899.D
Acq: 9 Sep 2019 16:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17640
Ion Ratio Lower Upper
248 100
250 190.8 75.9 113.9#
141 651.8 73.2 109.8#

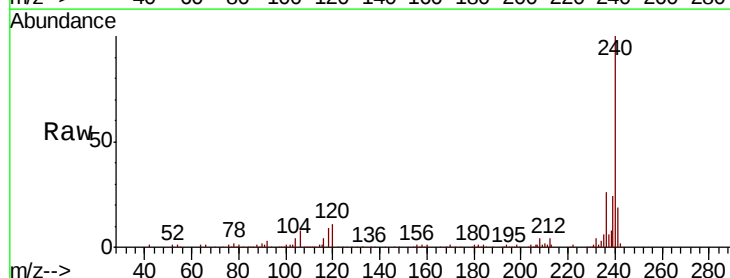


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

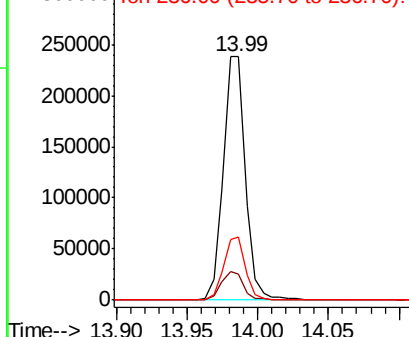
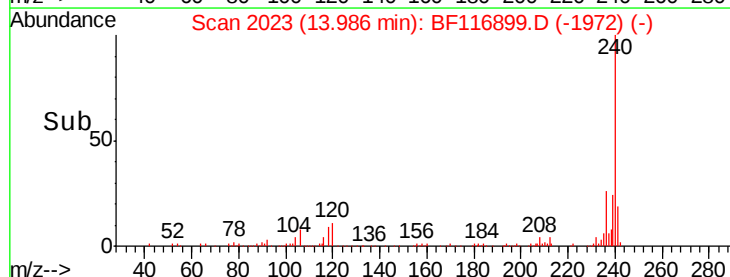


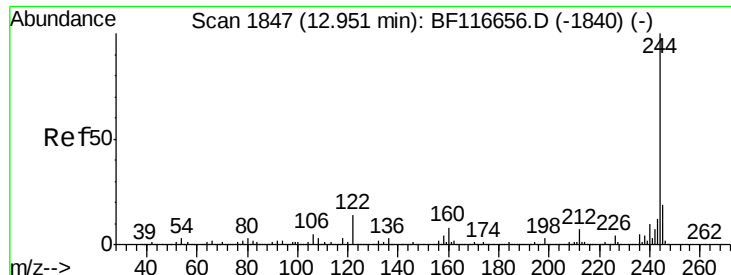
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF116899.D
Acq: 9 Sep 2019 16:24

Tgt Ion:240 Resp: 259069
Ion Ratio Lower Upper
240 100
120 10.8 9.8 14.8
236 25.8 19.4 29.2



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: 96.923 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

Instrument :

BNA_F

ClientSampleId :

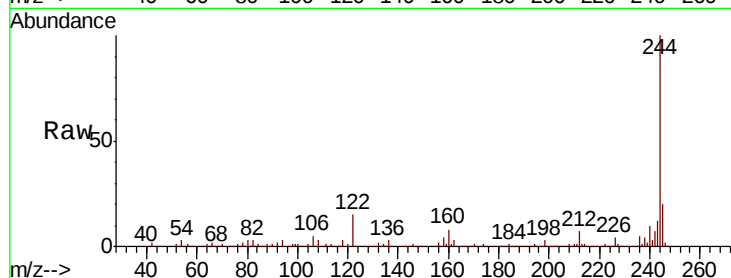
Tot Ion:244 Resp: 1357330

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

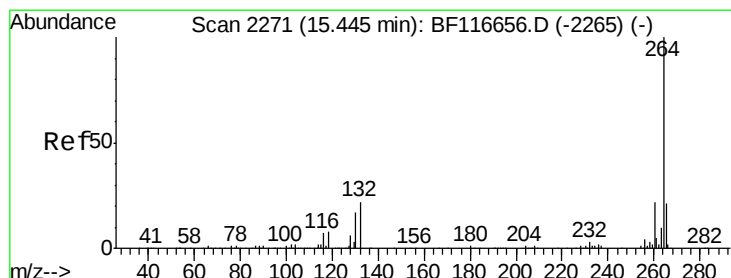
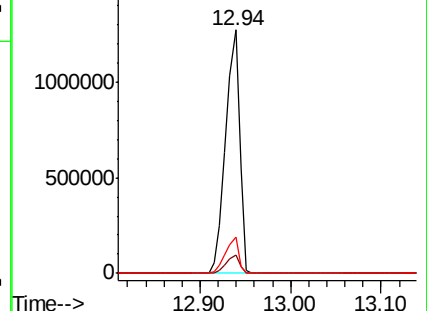
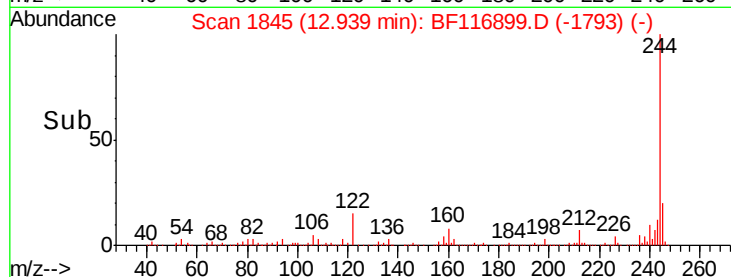
122 14.7 11.0 16.4



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: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF116899.D

Acq: 9 Sep 2019 16:24

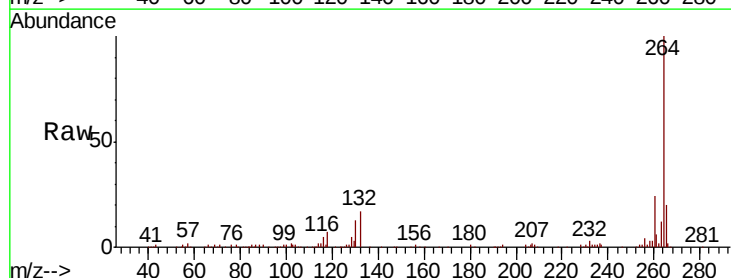
Tgt Ion:264 Resp: 229251

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 20.2 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

