

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116799.D
 Acq On : 4 Sep 2019 4:07
 Operator : HP/JU
 Sample : K4625-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:08:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	143014	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	551753	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	278382	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	433815	20.00	ng	0.00
76) Chrysene-d12	13.99	240	265863	20.00	ng	0.00
87) Perylene-d12	15.44	264	299130	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	940894	106.58	ng	0.01
7) Phenol-d6	6.48	99	1124975	97.05	ng	0.00
23) Nitrobenzene-d5	7.41	82	893163	92.41	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	243093	130.62	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1490278	90.31	ng	0.00
79) Terphenyl-d14	12.94	244	1270274	88.39	ng	0.00

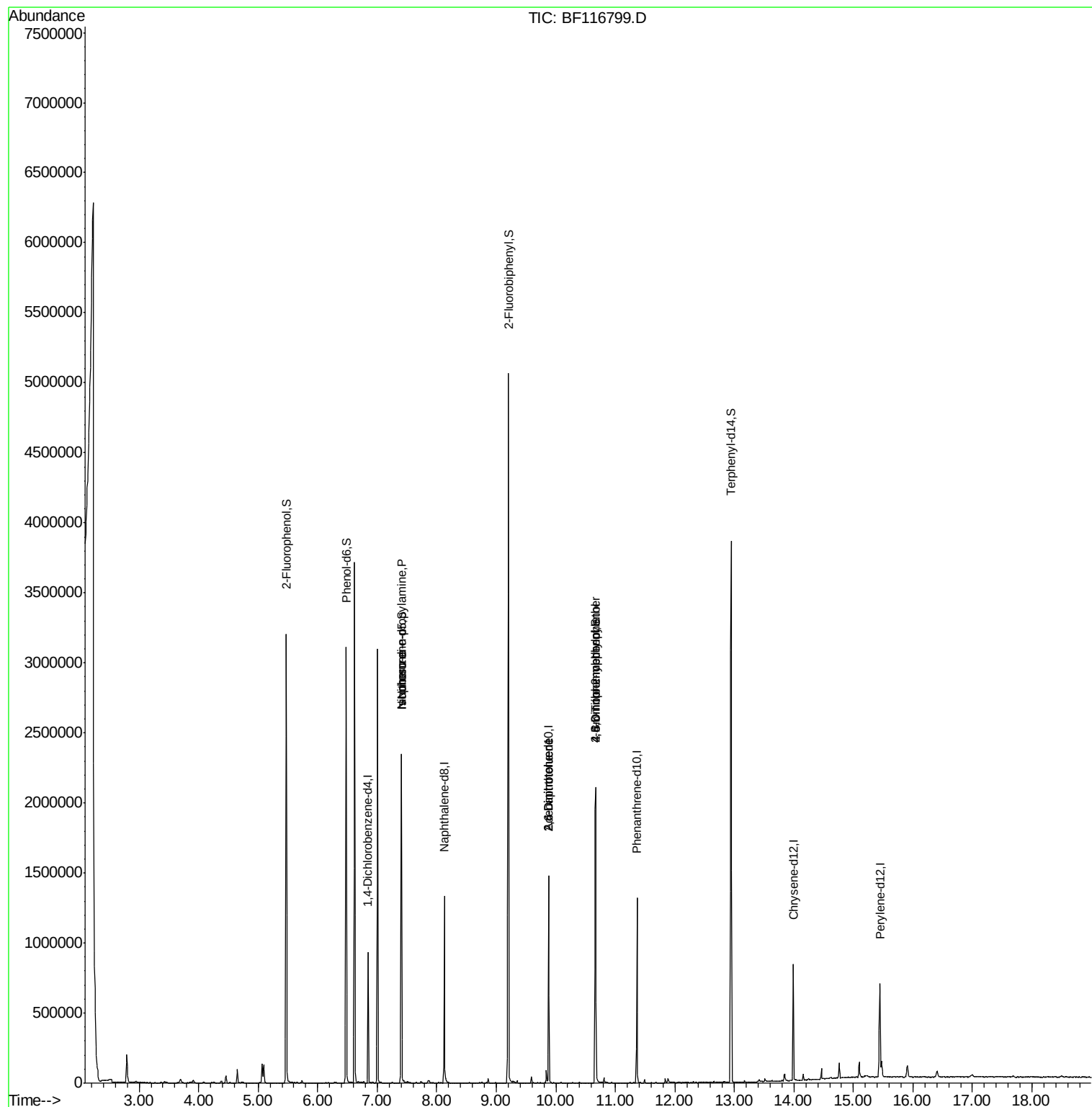
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	117190	15.354	ng	# 72
25) Isophorone	7.41	82	893155	45.605	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	33949	9.258	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	33949	7.572	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	528	7.730	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	15491	3.515	ng	# 1

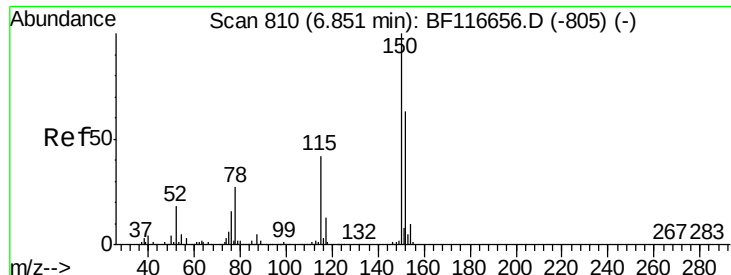
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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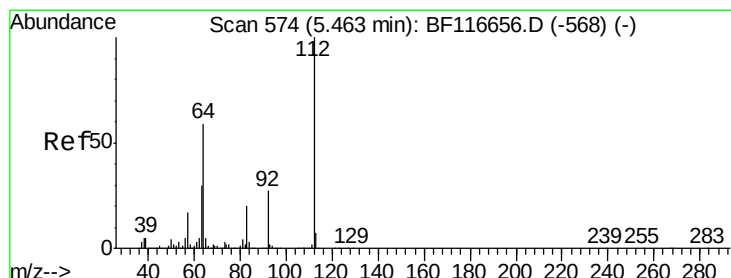
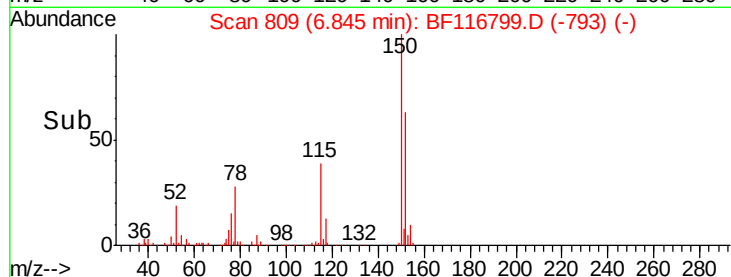
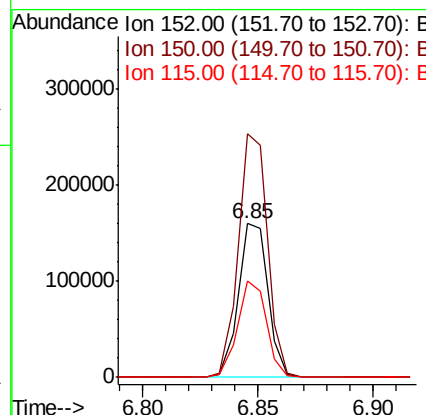
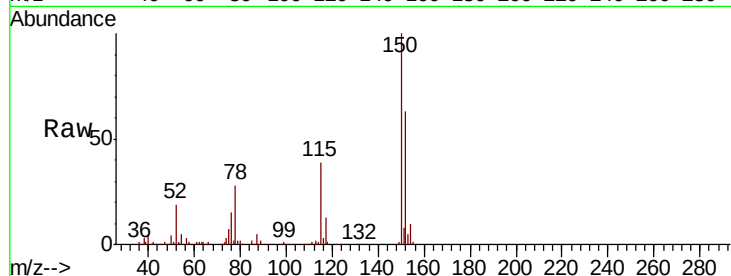


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :

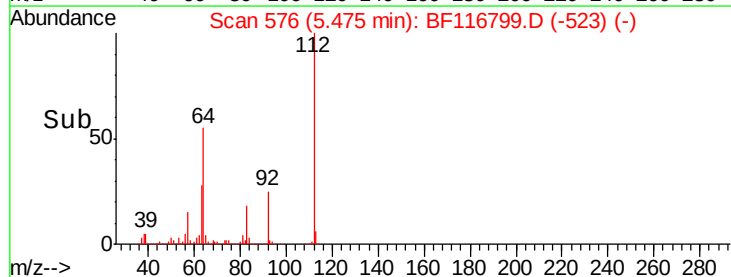
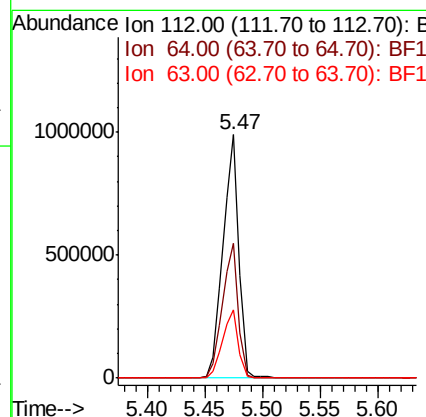
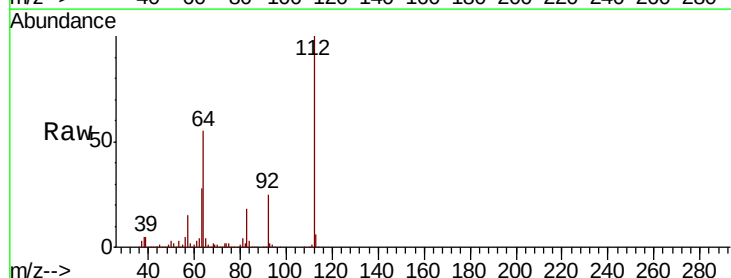
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.4	186.6
115	62.4	49.9	74.9

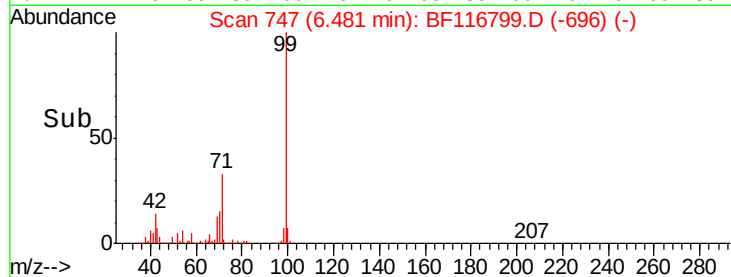
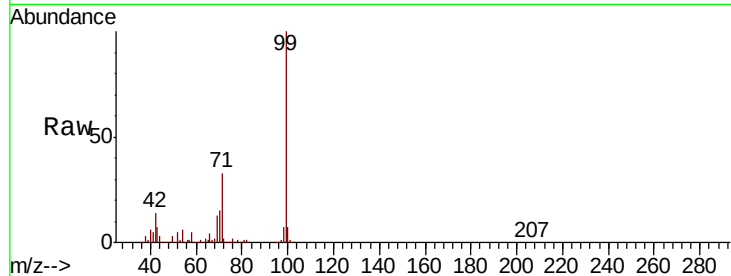
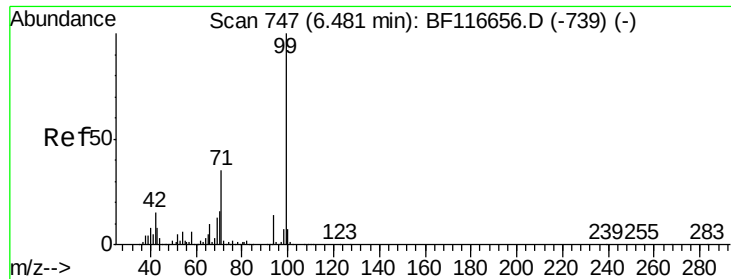


#5

2-Fluorophenol
Concen: 106.584 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.1	70.7
63	28.1	24.9	37.3





#7

Phenol-d6

Concen: 97.050 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

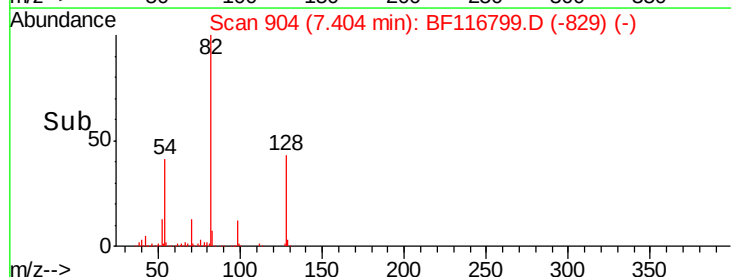
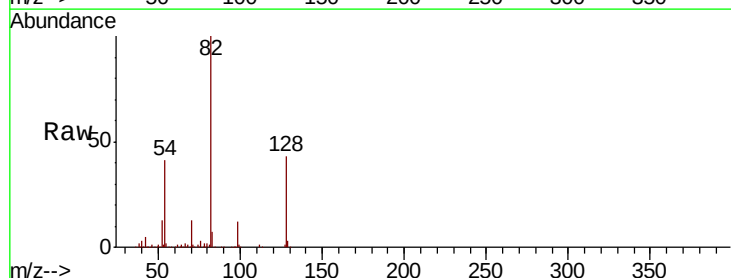
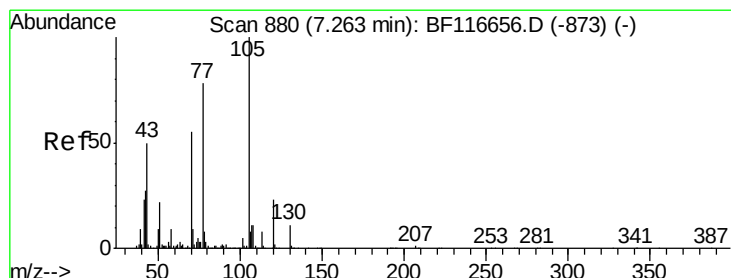
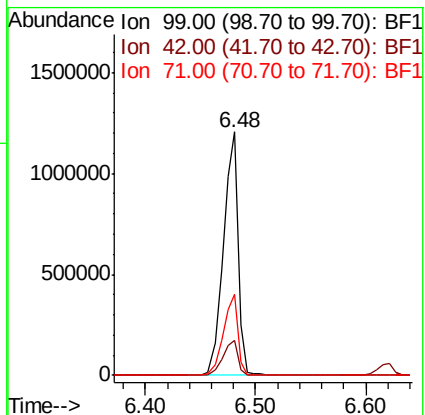
Tot Ion: 99 Resp: 1124975

Ion Ratio Lower Upper

99 100

42 14.2 13.7 20.5

71 33.2 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.354 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

Tgt Ion: 70 Resp: 117190

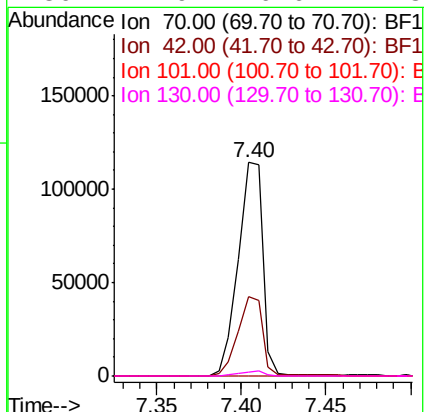
Ion Ratio Lower Upper

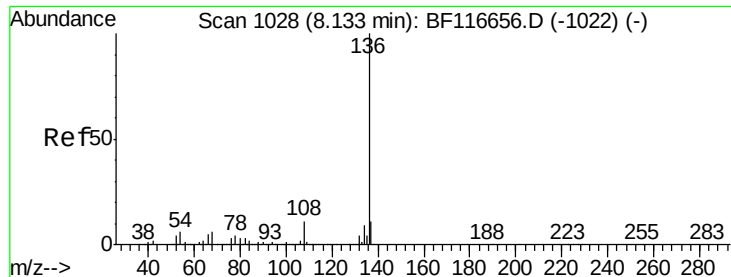
70 100

42 37.2 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

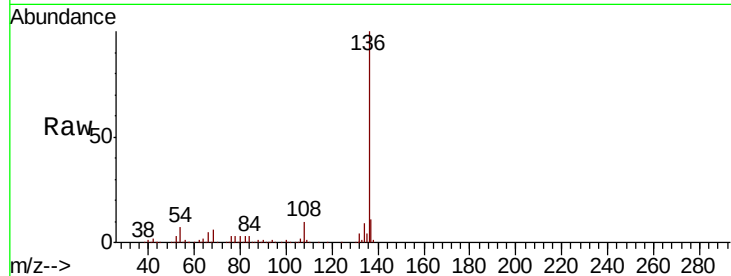




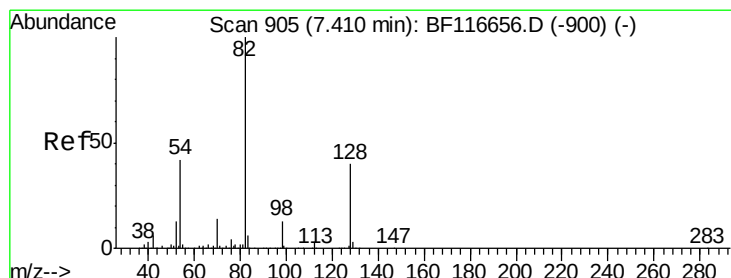
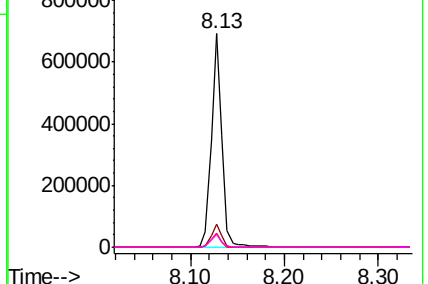
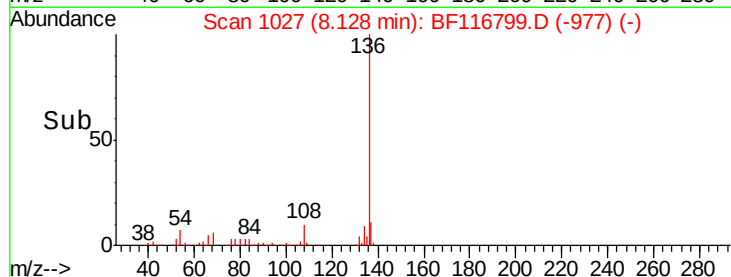
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	551753
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.6	4.8 7.2
68	5.8	4.0 6.0

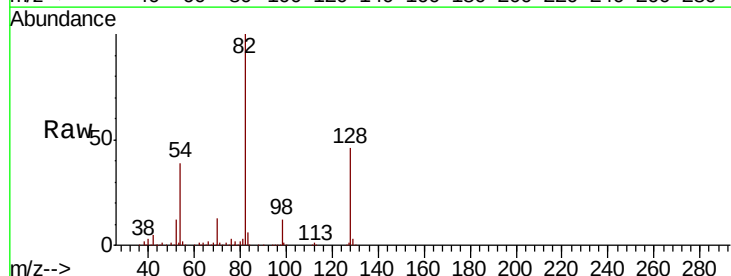


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

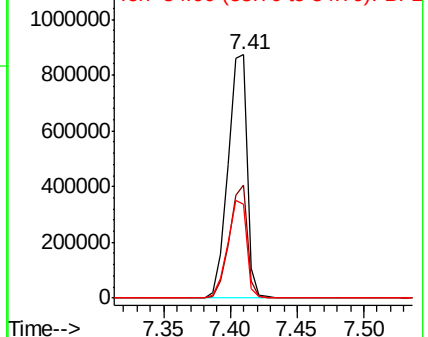
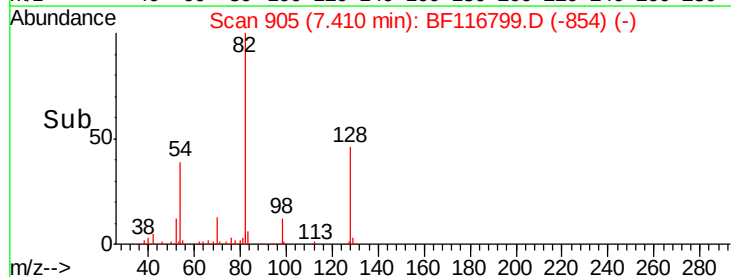


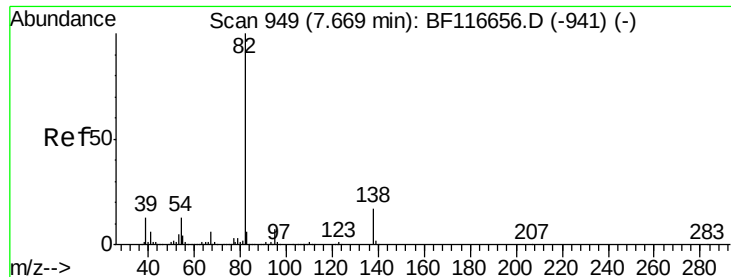
#23
Nitrobenzene-d5
Concen: 92.411 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Tgt Ion: 82	Resp:	893163
Ion Ratio	Lower	Upper
82	100	
128	46.3	32.8 49.2
54	38.8	36.9 55.3



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: 45.605 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

Instrument :

BNA_F

ClientSampled :

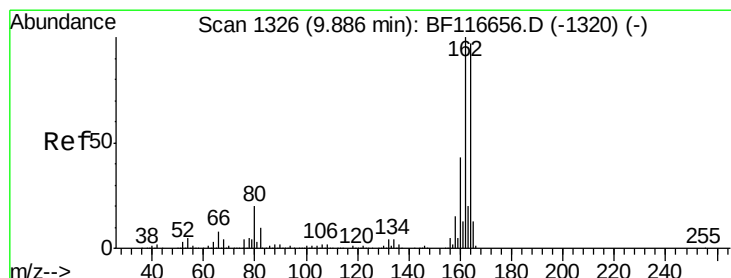
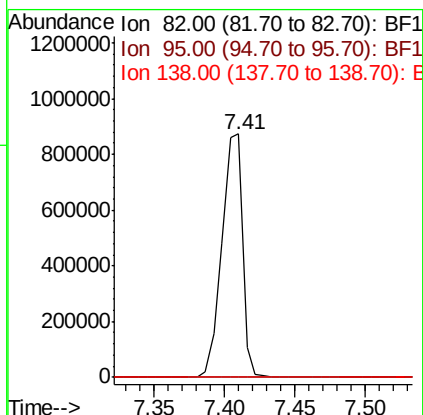
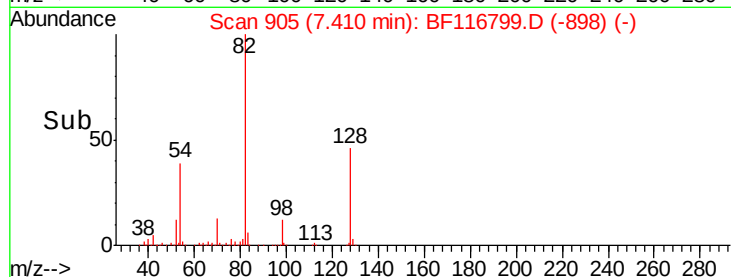
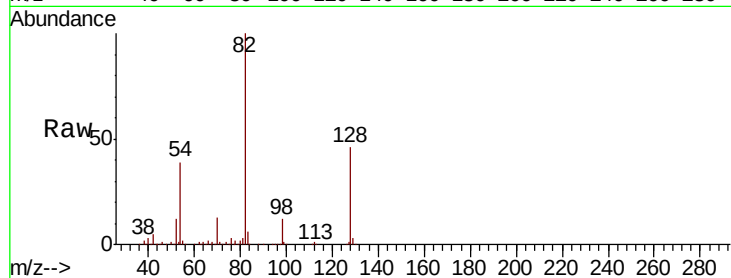
Tot Ion: 82 Resp: 893155

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

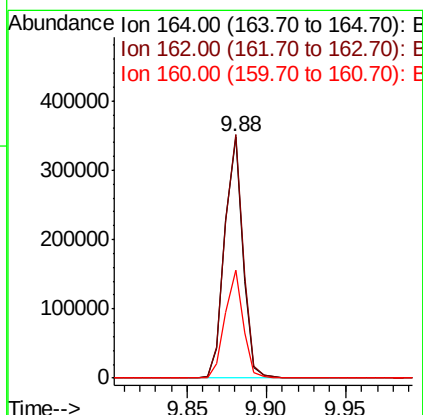
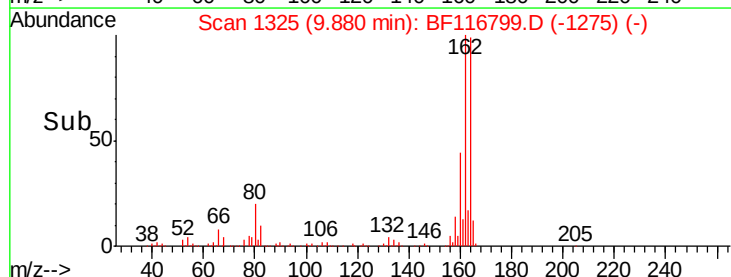
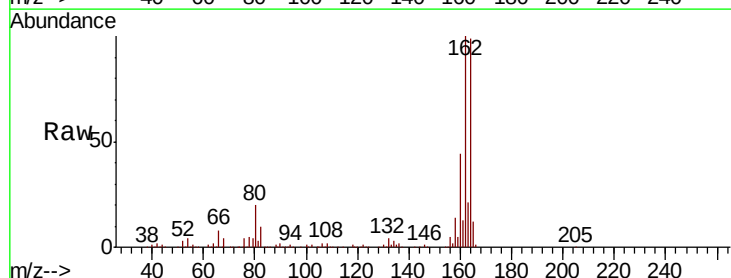
Tgt Ion: 164 Resp: 278382

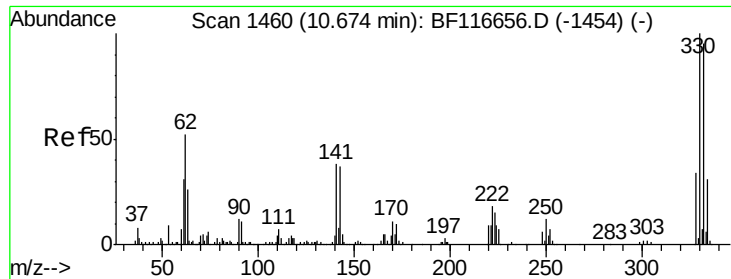
Ion Ratio Lower Upper

164 100

162 100.8 81.4 122.0

160 44.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 130.622 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

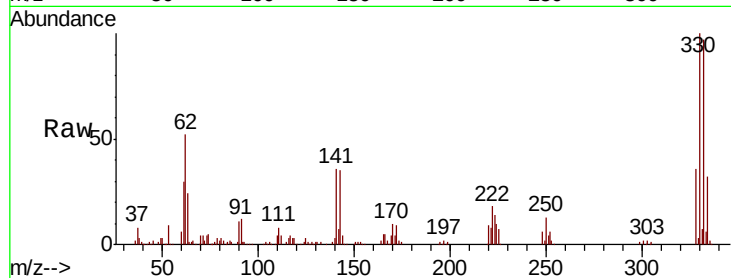
Tot Ion:330 Resp: 243093

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

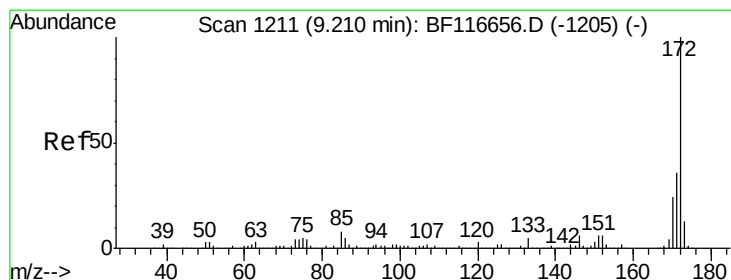
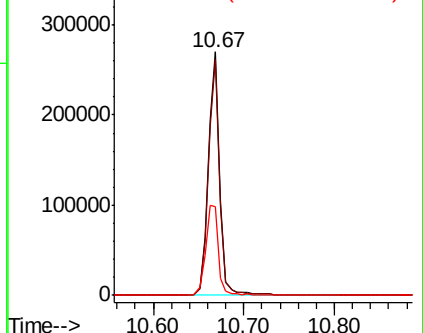
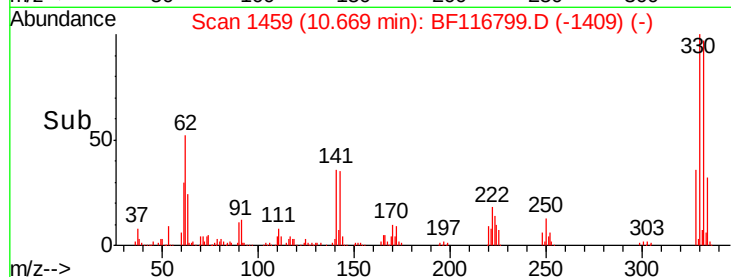
141 41.2 31.4 47.2



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: 90.305 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

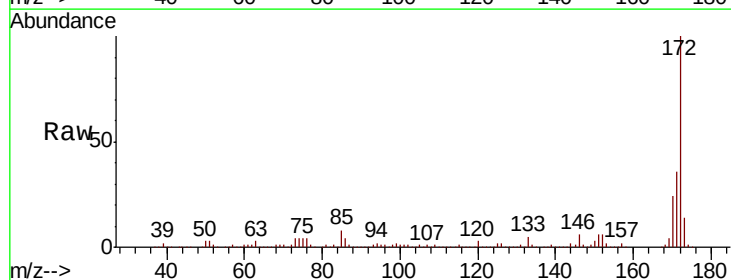
Tgt Ion:172 Resp: 1490278

Ion Ratio Lower Upper

172 100

171 36.5 27.8 41.6

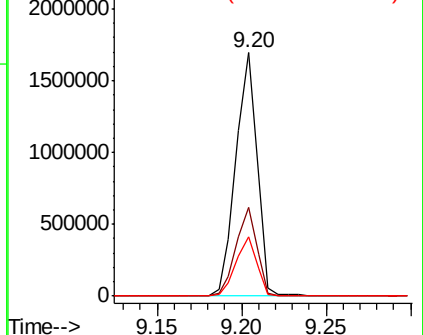
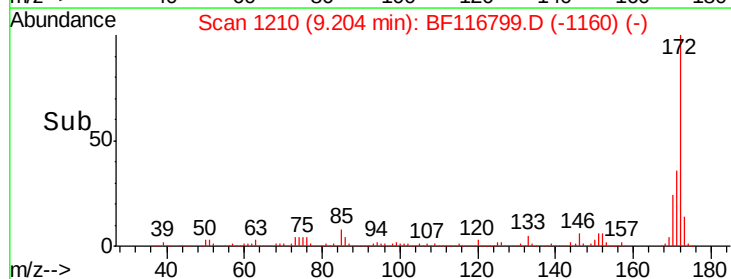
170 24.4 18.9 28.3

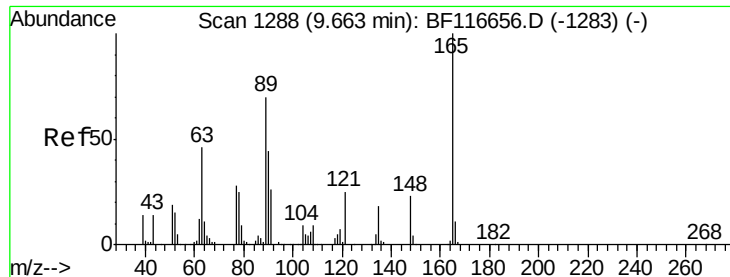


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 9.258 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

Instrument :

BNA_F

ClientSampled :

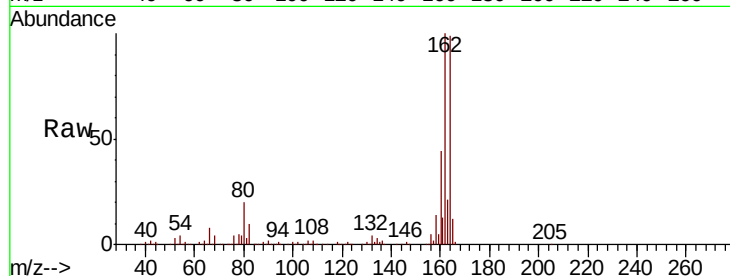
Tot Ion:165 Resp: 33949

Ion Ratio Lower Upper

165 100

63 1.9 47.3 70.9#

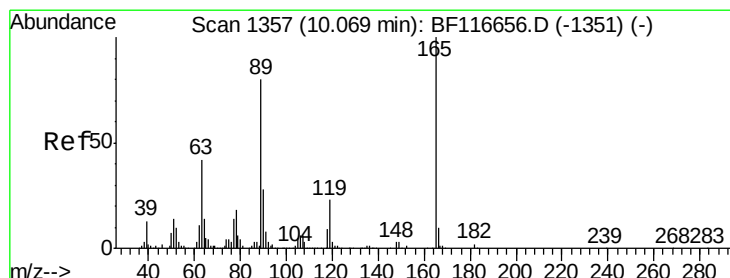
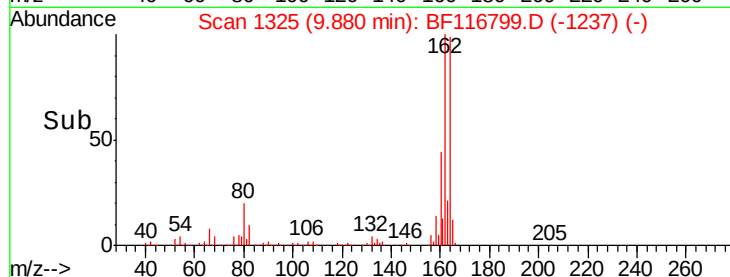
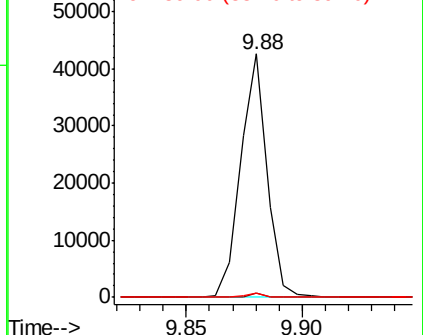
89 1.5 52.5 78.7#



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: 7.572 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116799.D

Acq: 4 Sep 2019 4:07

Tgt Ion:165 Resp: 33949

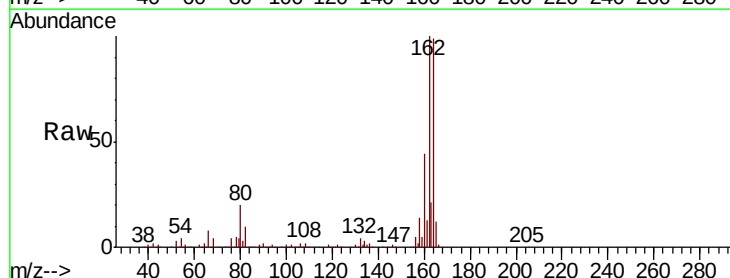
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 1.5 62.6 94.0#

182 0.0 2.1 3.1#

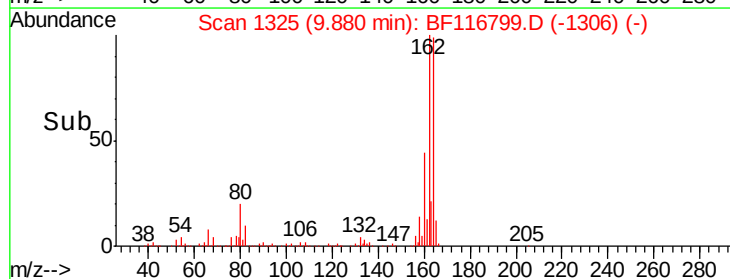
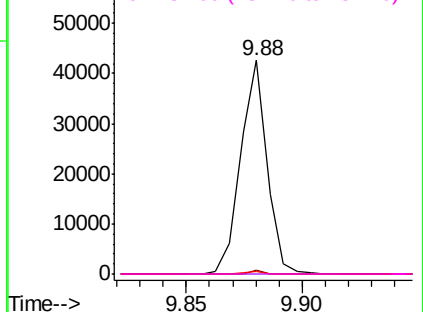


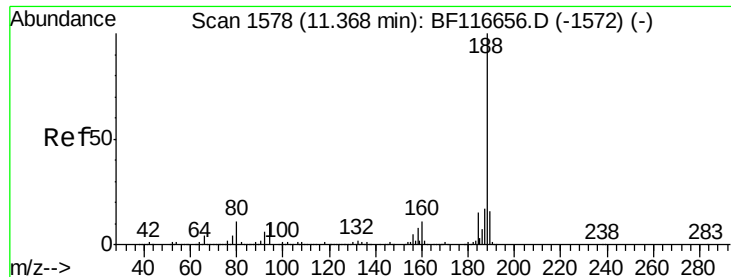
Abundance Ion 165.00 (164.70 to 165.70): E

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

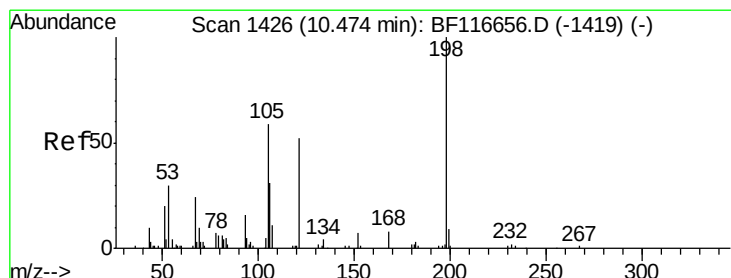
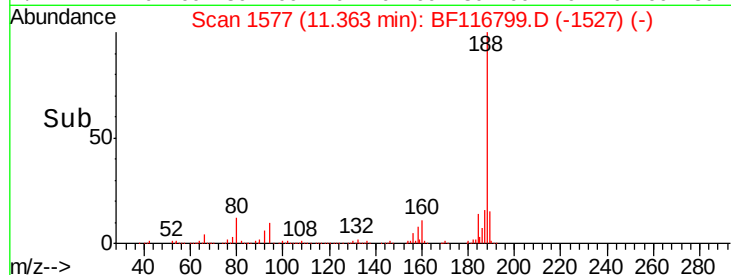
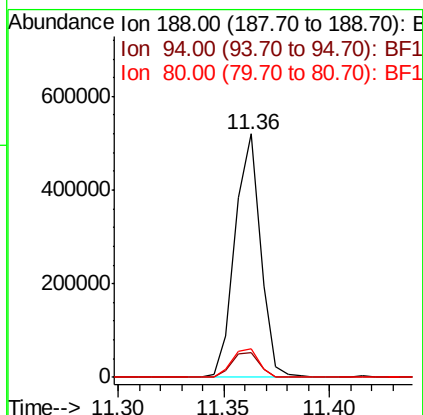
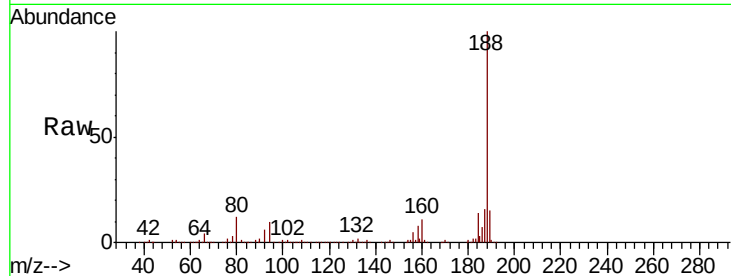




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

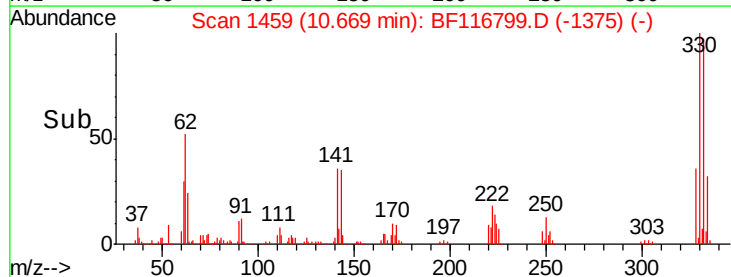
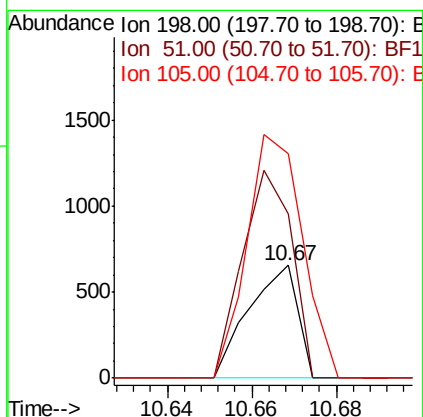
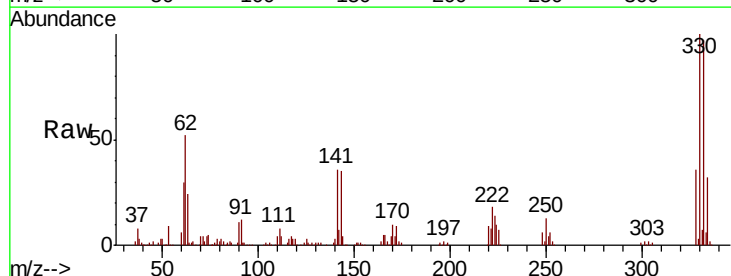
Instrument :
BNA_F
ClientSampleId :

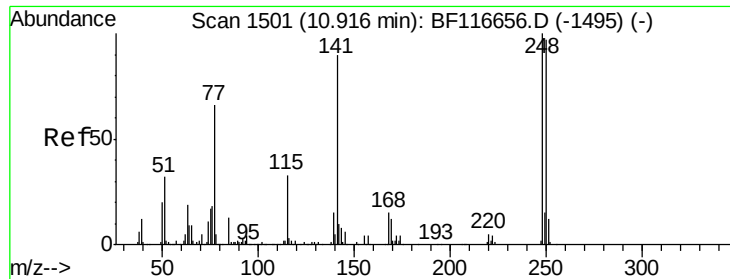
Tot Ion:188 Resp: 433815
Ion Ratio Lower Upper
188 100
94 10.2 7.3 10.9
80 11.6 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.730 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Tgt Ion:198 Resp: 528
Ion Ratio Lower Upper
198 100
51 145.6 18.4 58.4#
105 199.1 22.9 62.9#

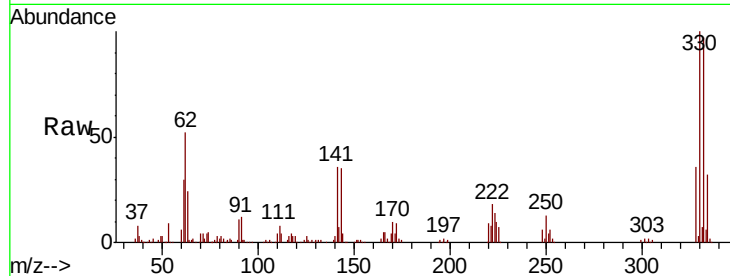




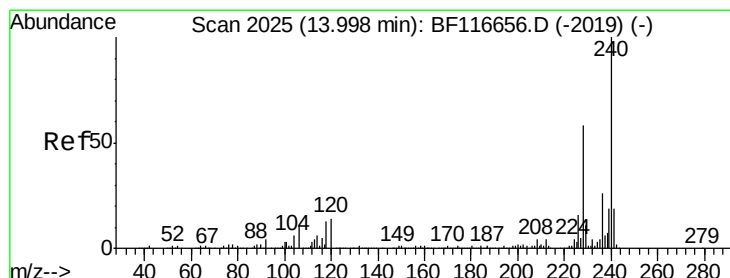
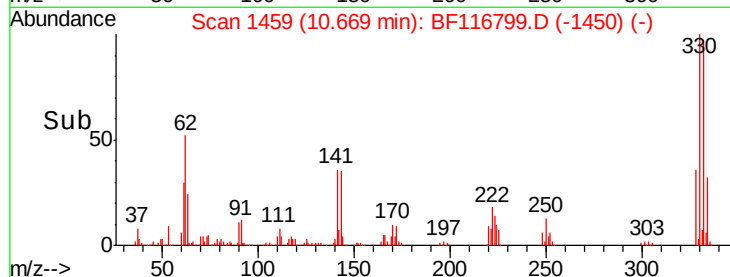
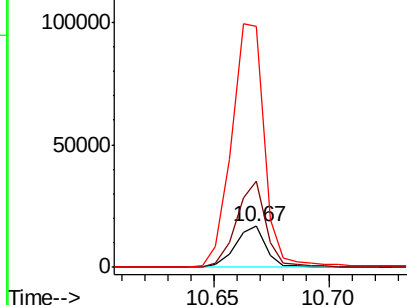
#67
4-Bromophenyl-phenylether
Concen: 3.515 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15491
Ion Ratio Lower Upper
248 100
250 210.1 77.8 116.8#
141 591.6 75.9 113.9#

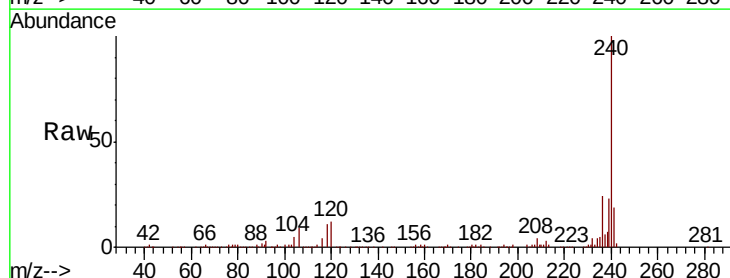


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

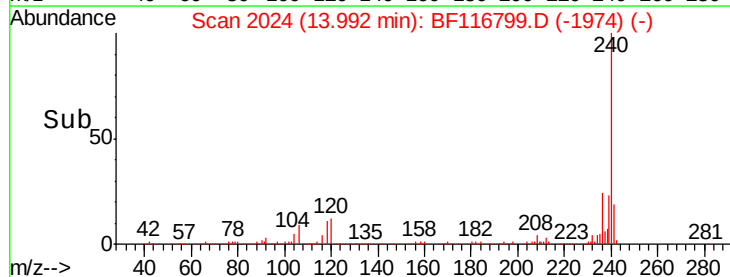
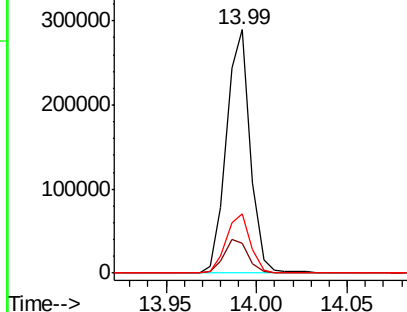


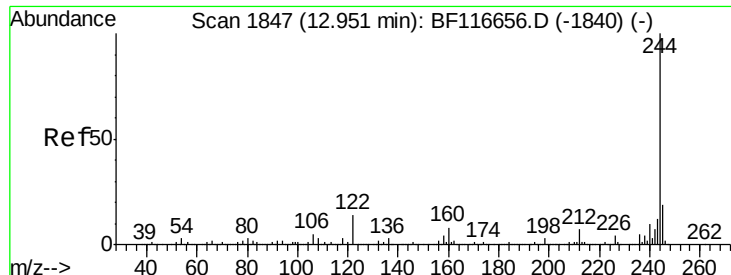
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116799.D
Acq: 4 Sep 2019 4:07

Tgt Ion:240 Resp: 265863
Ion Ratio Lower Upper
240 100
120 12.3 9.1 13.7
236 24.5 21.1 31.7



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

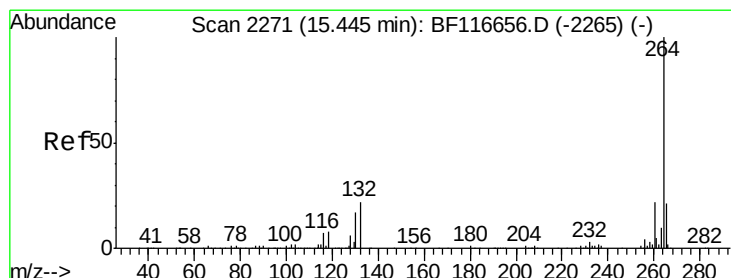
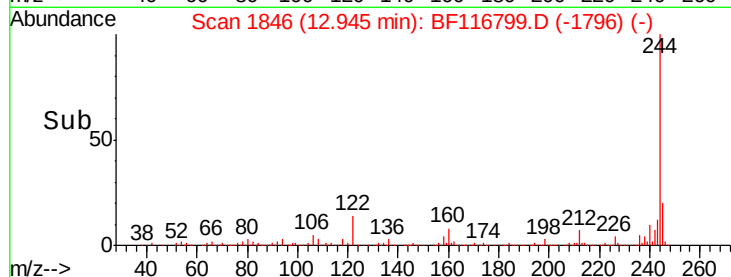
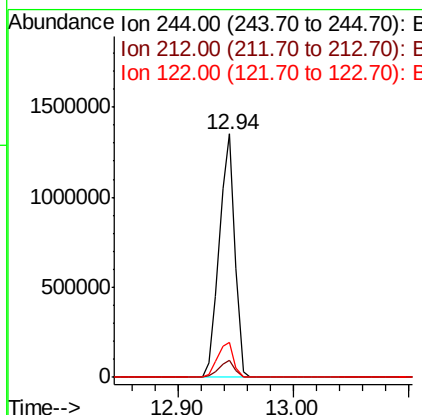
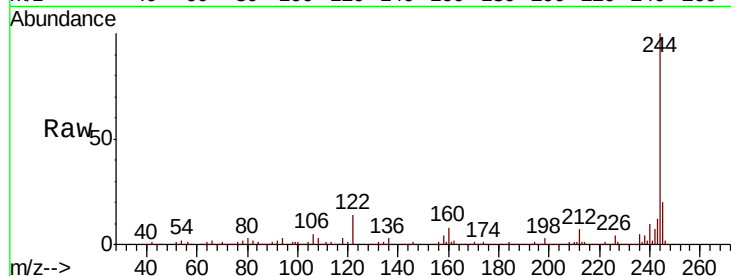




#79
 Terphenyl-d14
 Concen: 88.389 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116799.D
 Acq: 4 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1270274
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 14.4 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116799.D
 Acq: 4 Sep 2019 4:07

Tgt Ion:264 Resp: 299130
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.3 27.5
 265 21.1 16.5 24.7

