

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116084.D
 Acq On : 8 Aug 2019 22:58
 Operator : HP/JU
 Sample : K4092-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:14:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

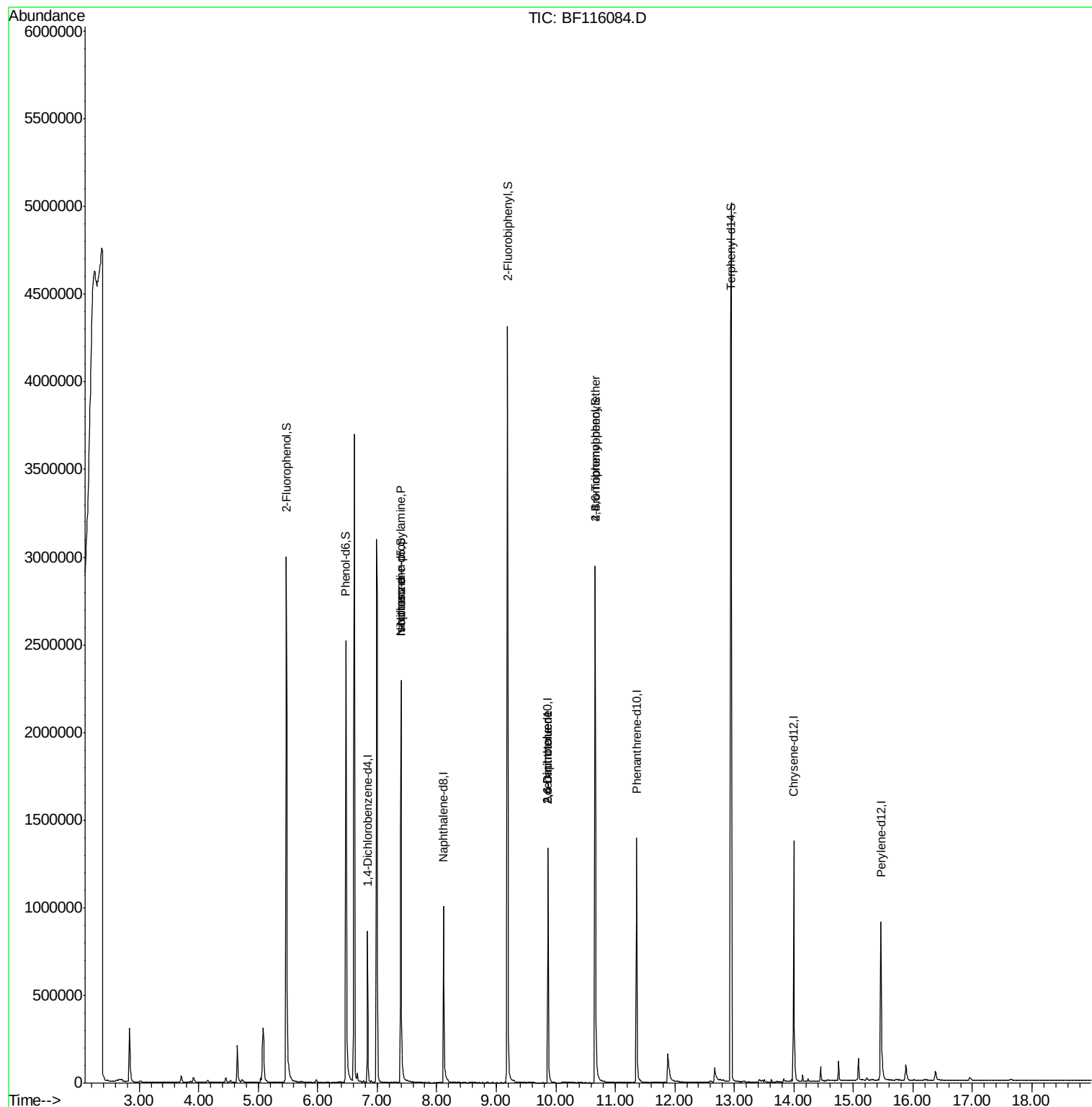
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	132568	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	517206	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	284562	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	561065	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	511266	20.00	ng	-0.01
87) Perylene-d12	15.46	264	475626	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	962271	121.52	ng	0.00
7) Phenol-d6	6.47	99	1120087	112.11	ng	-0.01
23) Nitrobenzene-d5	7.40	82	916608	102.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	449831	163.05	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1588869	104.58	ng	-0.01
79) Terphenyl-d14	12.95	244	2159300	88.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	121914	19.691	ng	# 79
25) Isophorone	7.40	82	916604	53.499	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	36286	8.618	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	36286	6.473	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	27208	4.530	ng	# 1

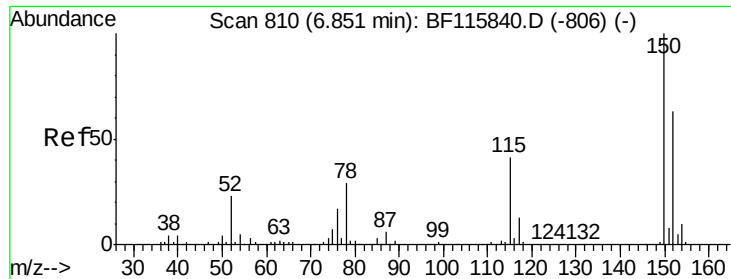
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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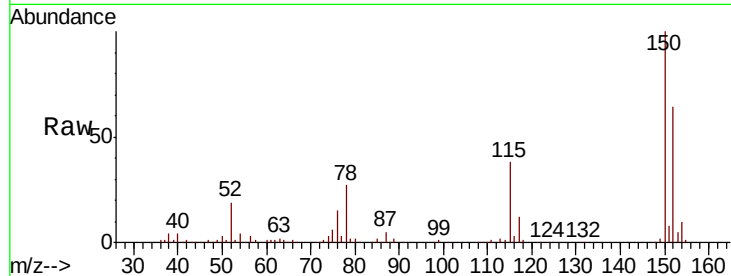


#1

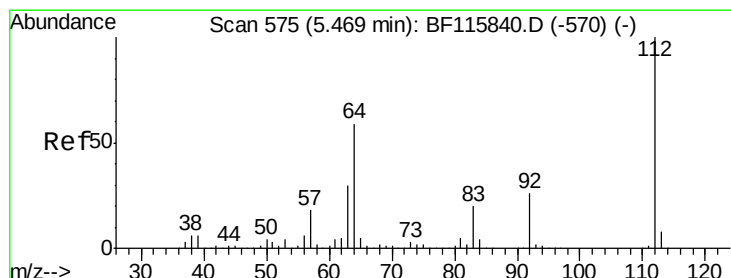
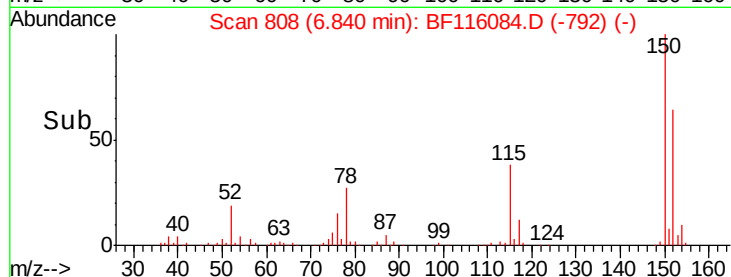
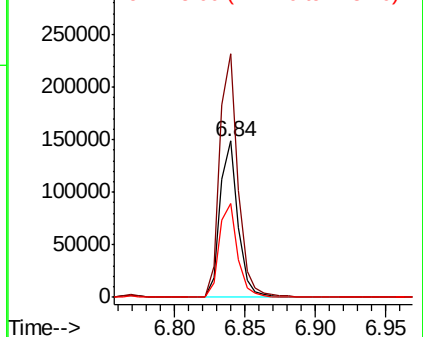
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132568
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 59.9 49.9 74.9



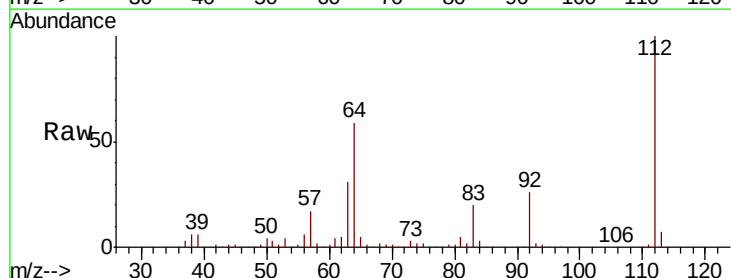
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



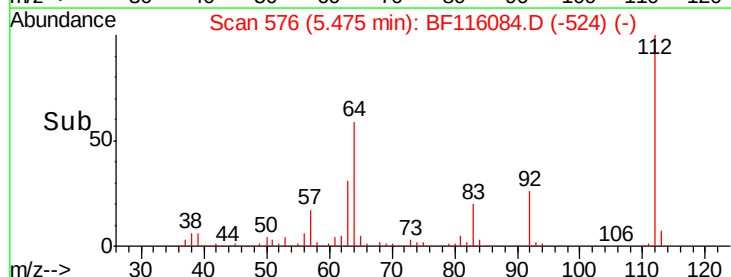
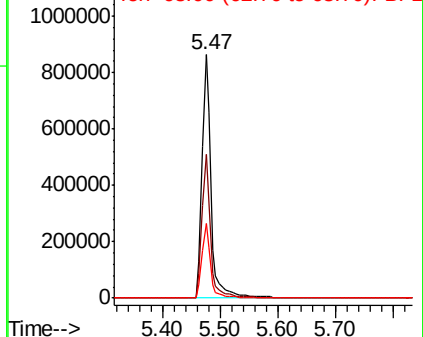
#5

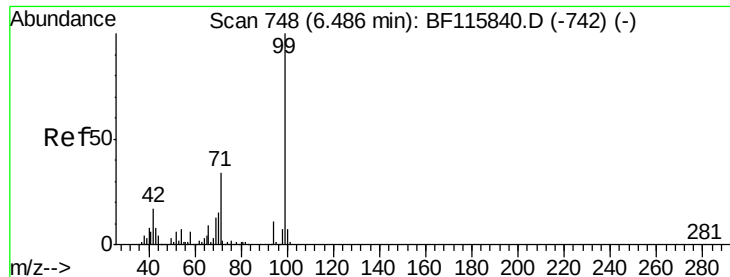
2-Fluorophenol
Concen: 121.515 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

Tgt Ion:112 Resp: 962271
Ion Ratio Lower Upper
112 100
64 58.8 45.4 68.2
63 30.5 23.7 35.5



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: 112.108 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

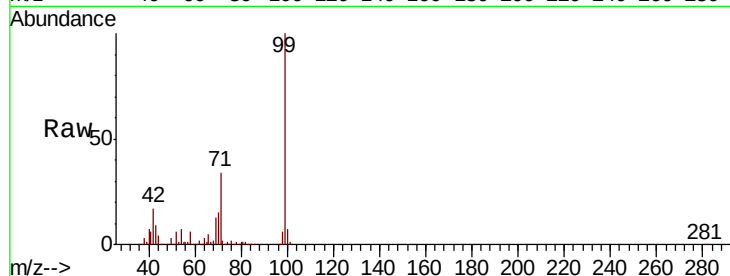
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1120087

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	33.8	27.3	40.9

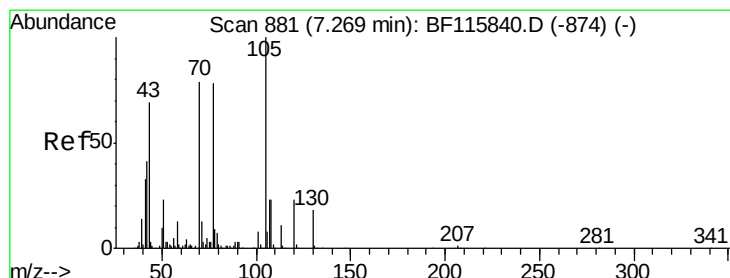
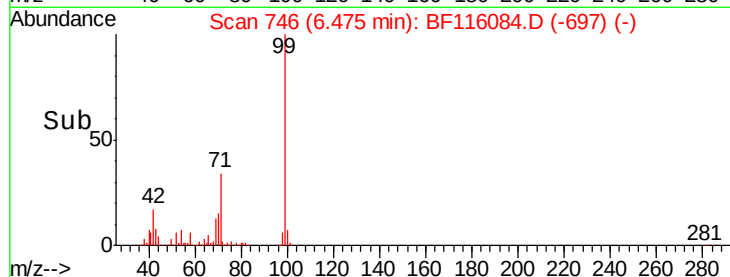
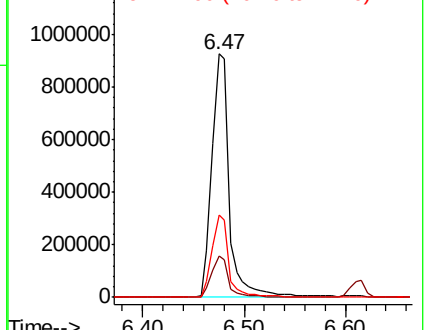


Abundance

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: 19.691 ng

RT: 7.40 min Scan# 903

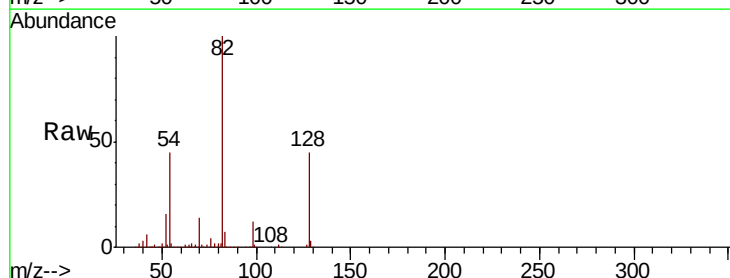
Delta R.T. 0.13 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

Tgt Ion: 70 Resp: 121914

Ion	Ratio	Lower	Upper
70	100		
42	42.3	40.9	61.3
101	0.0	7.9	11.9#
130	2.3	16.9	25.3#



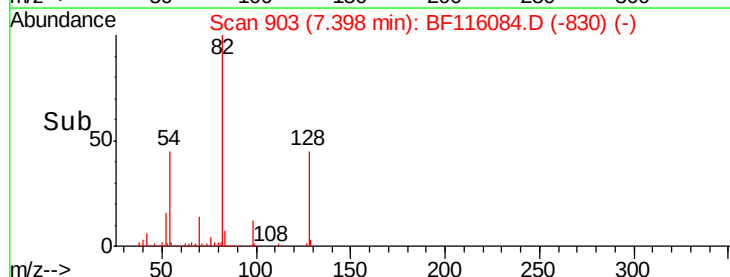
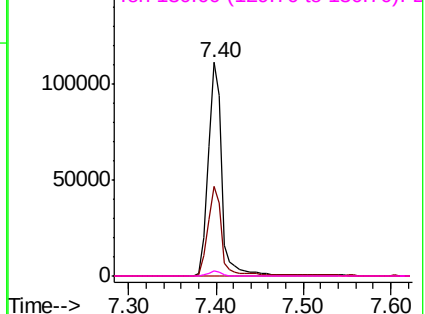
Abundance

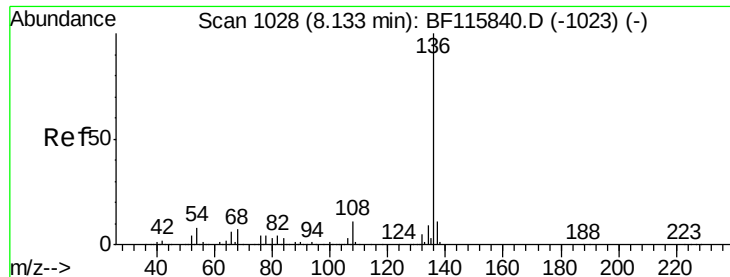
Ion 70.00 (69.70 to 70.70): BF1

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

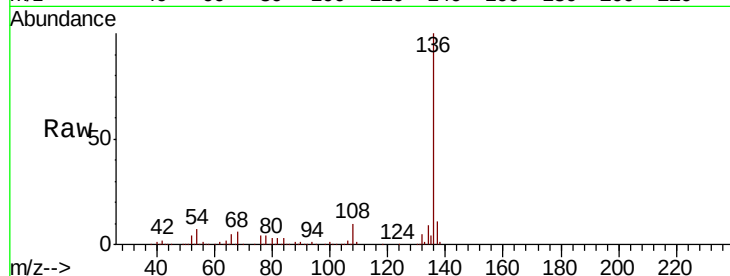




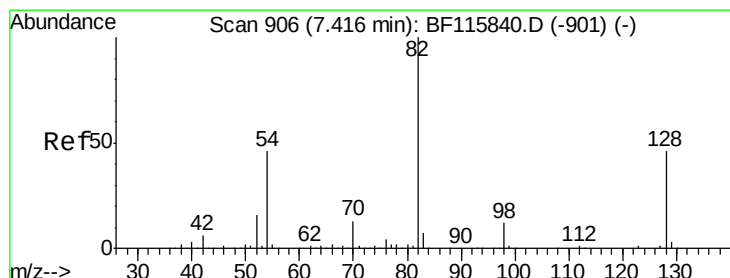
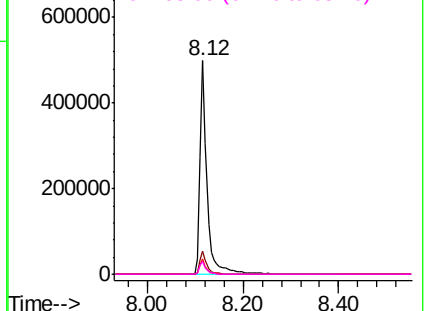
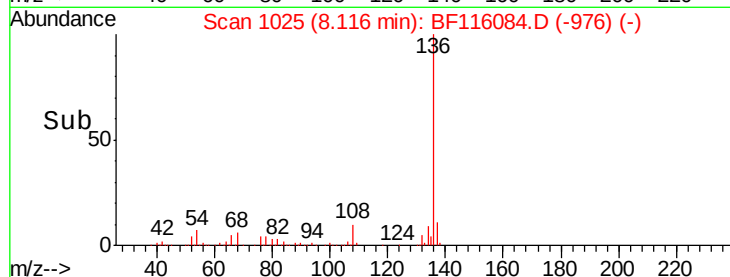
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	517206
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.4
54	7.0	5.8 8.6
68	6.2	5.2 7.8

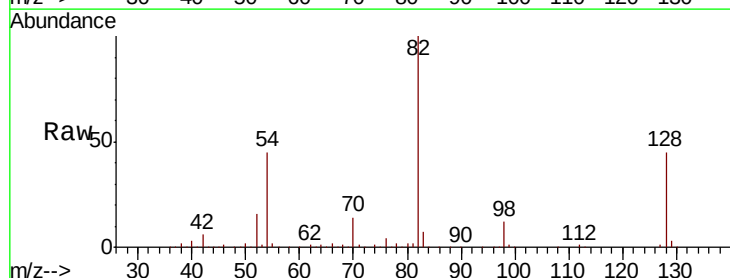


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

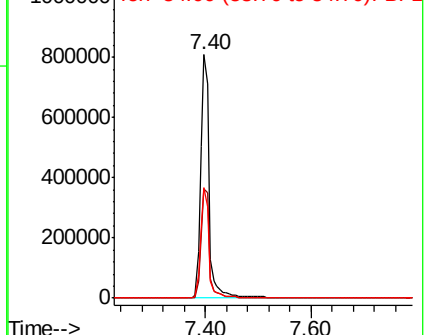
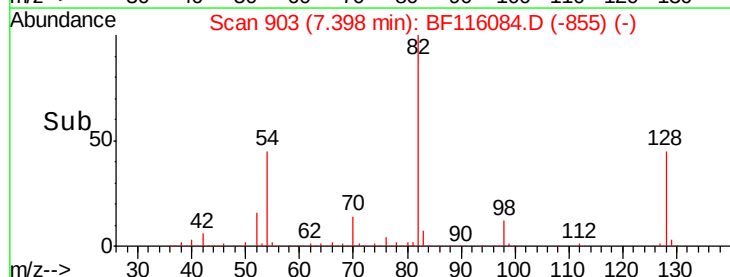


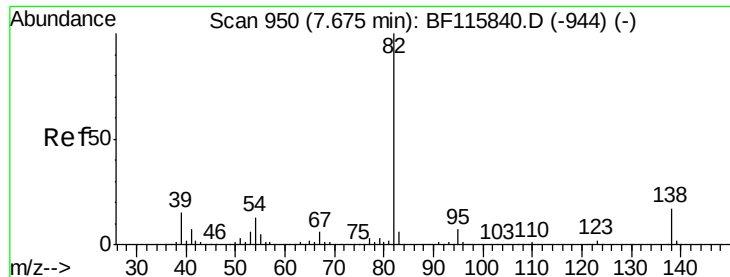
#23
Nitrobenzene-d5
Concen: 102.299 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

Tgt Ion: 82	Resp:	916608
Ion	Ratio	Lower Upper
82	100	
128	44.6	36.5 54.7
54	45.4	36.0 54.0



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: 53.499 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

Instrument :

BNA_F

ClientSampleId :

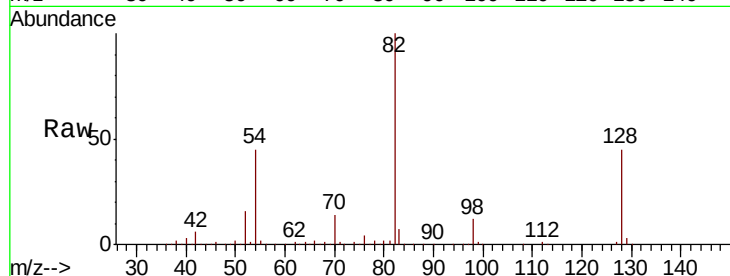
Tot Ion: 82 Resp: 916604

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

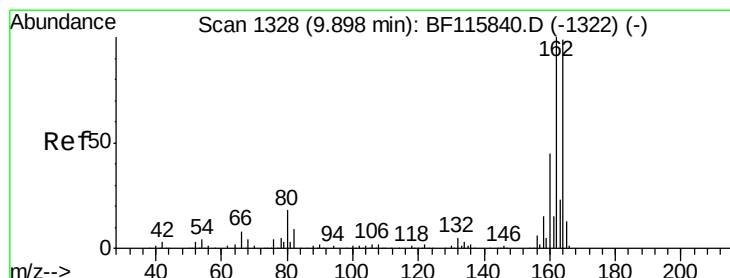
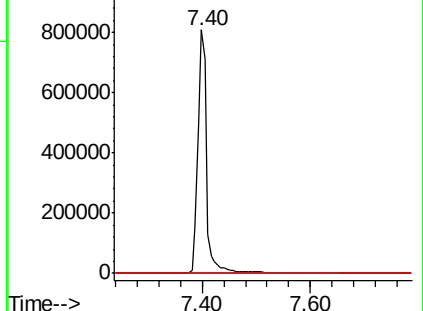
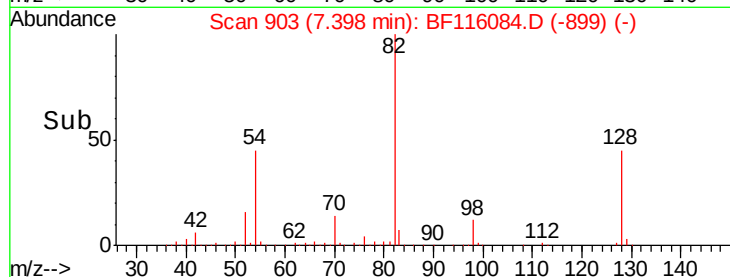
138 0.0 14.5 21.7#



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. -0.02 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

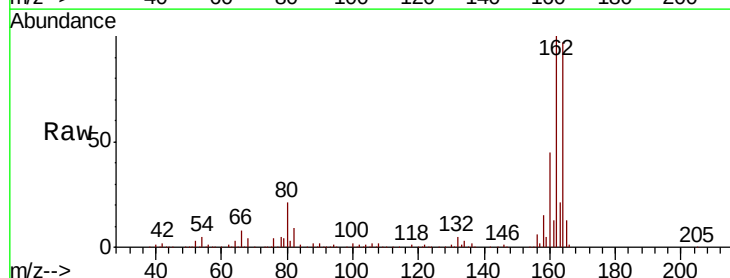
Tgt Ion:164 Resp: 284562

Ion Ratio Lower Upper

164 100

162 103.1 82.6 124.0

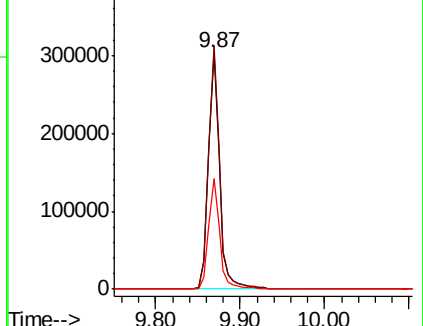
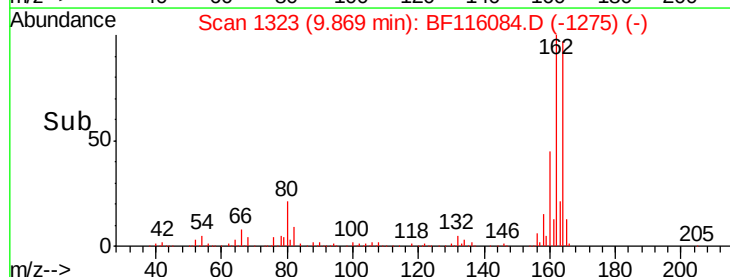
160 46.6 37.6 56.4

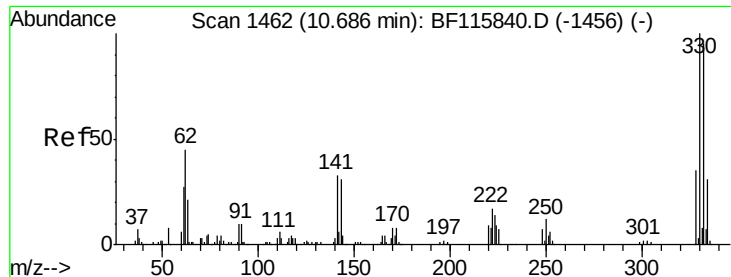


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 163.047 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

Instrument :

BNA_F

ClientSampled :

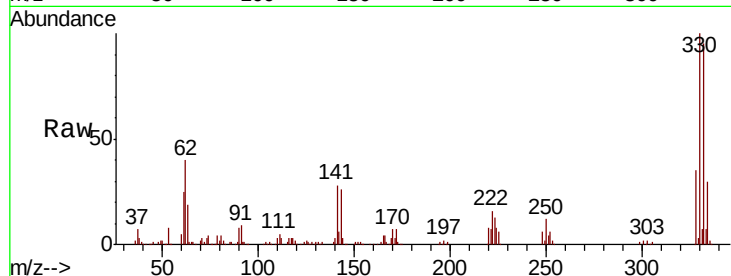
Tot Ion:330 Resp: 449831

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

141 31.5 26.3 39.5

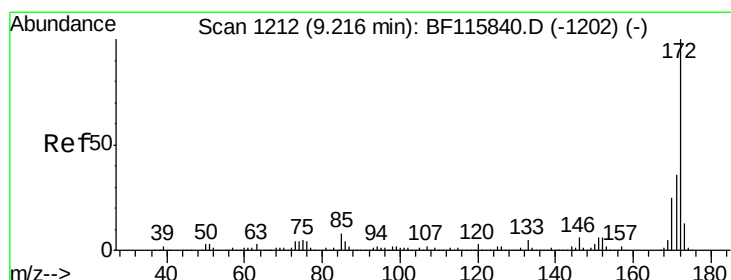
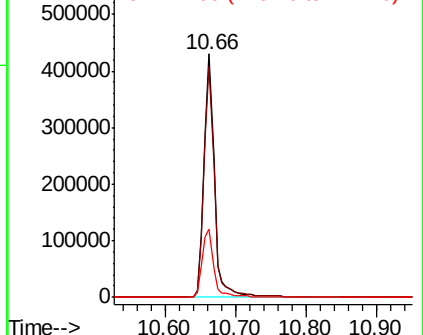
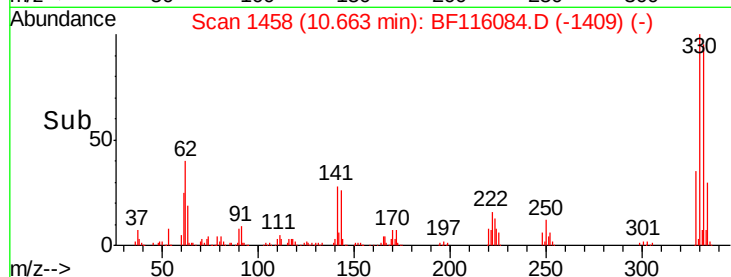


Abundance

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: 104.584 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

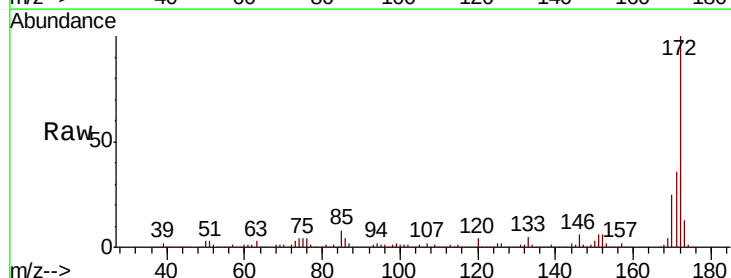
Tgt Ion:172 Resp: 1588869

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

170 24.6 20.1 30.1

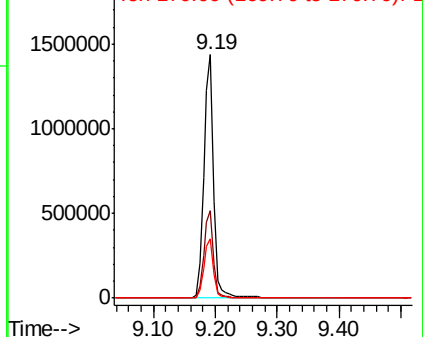
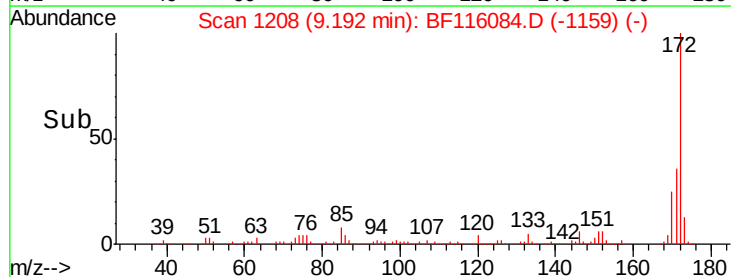


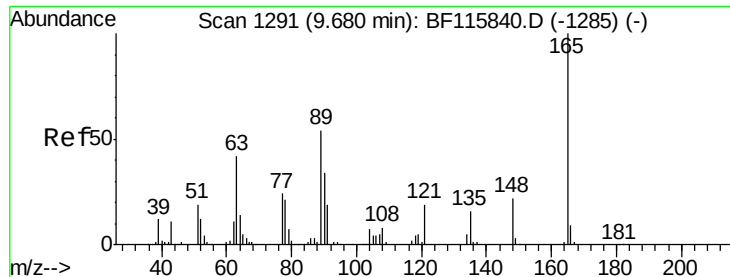
Abundance

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: 8.618 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

Instrument :
BNA_F
ClientSampleId :

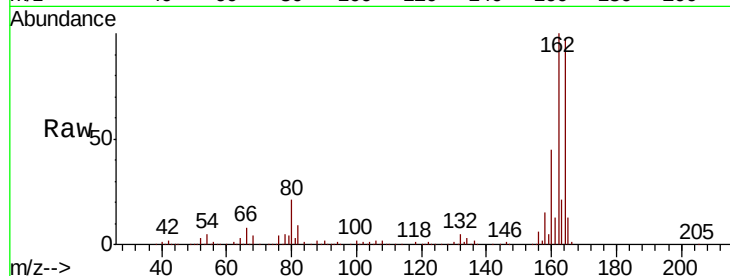
Tot Ion:165 Resp: 36286

Ion Ratio Lower Upper

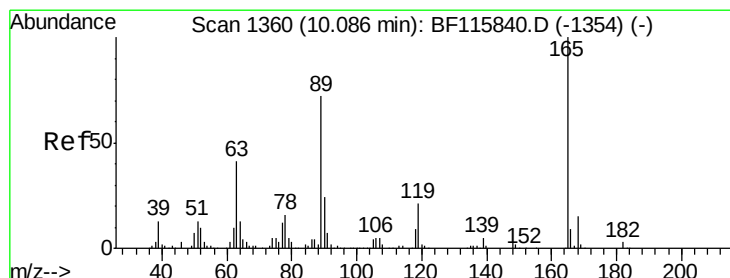
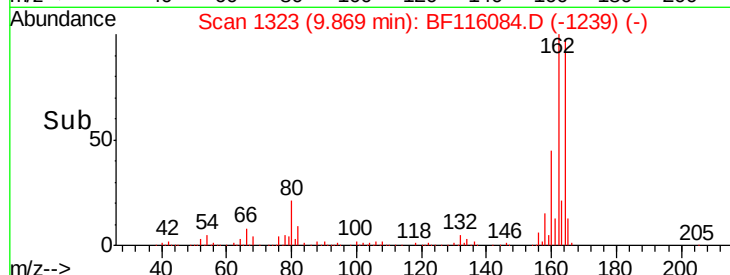
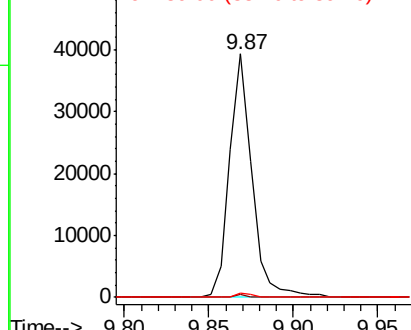
165 100

63 1.1 38.2 57.2#

89 1.5 42.9 64.3#



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: 6.473 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

Tgt Ion:165 Resp: 36286

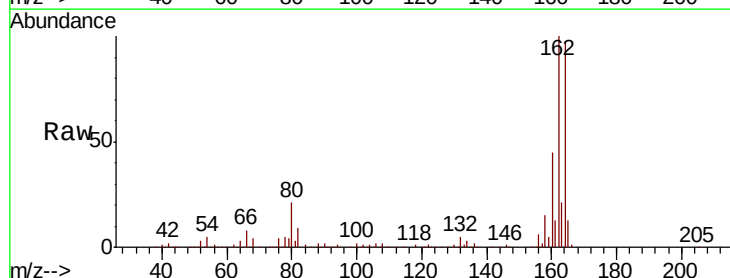
Ion Ratio Lower Upper

165 100

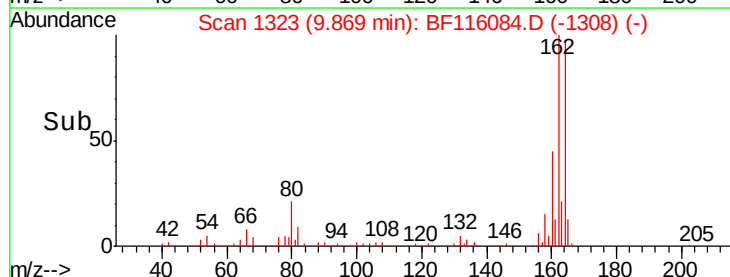
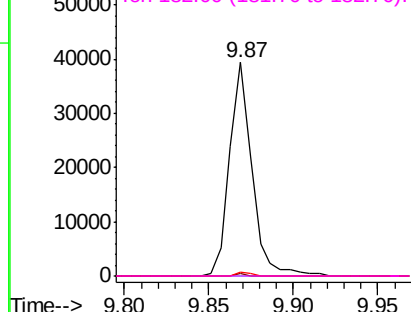
63 1.1 39.6 59.4#

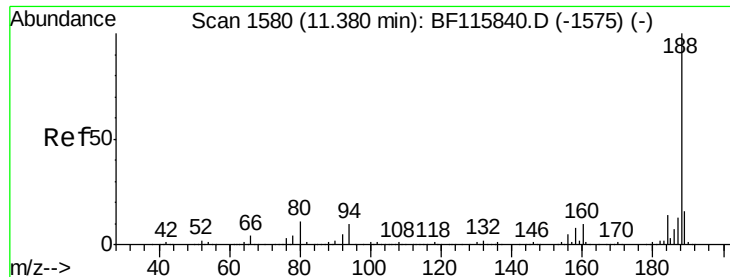
89 1.5 62.2 93.2#

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# 1576

Delta R.T. -0.01 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

Instrument :

BNA_F

ClientSampleId :

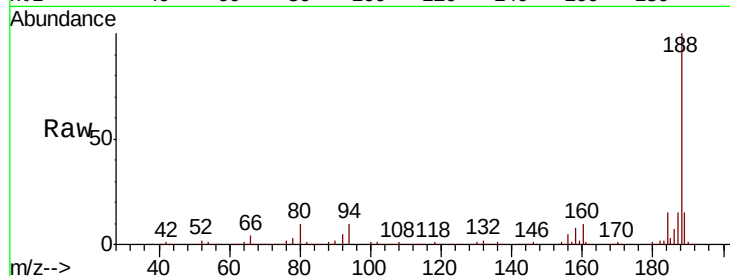
Tot Ion:188 Resp: 561065

Ion Ratio Lower Upper

188 100

94 9.7 8.1 12.1

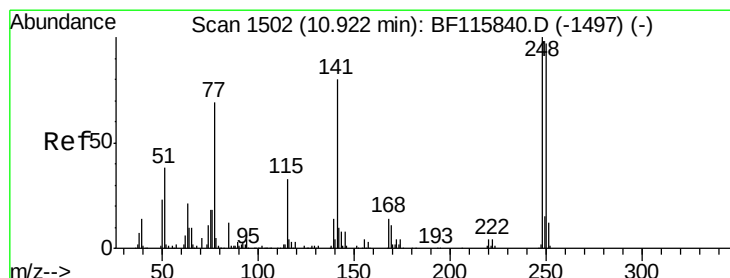
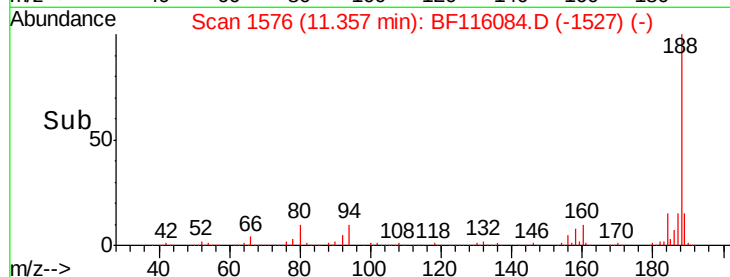
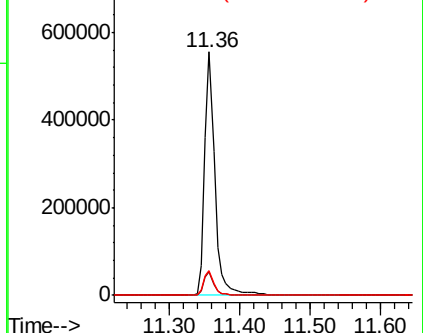
80 10.4 8.7 13.1



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: 4.530 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116084.D

Acq: 8 Aug 2019 22:58

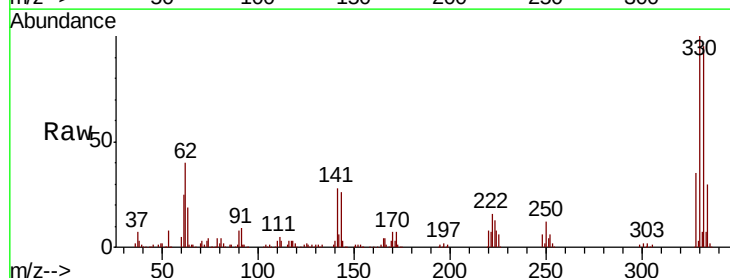
Tgt Ion:248 Resp: 27208

Ion Ratio Lower Upper

248 100

250 200.3 77.4 116.2#

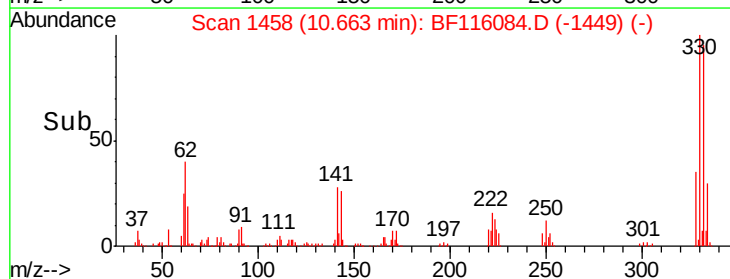
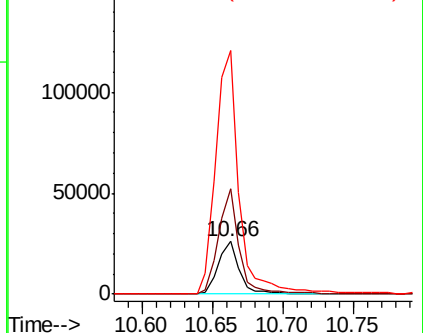
141 463.5 56.8 85.2#

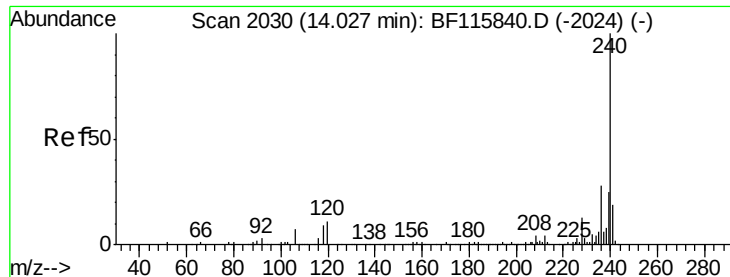


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

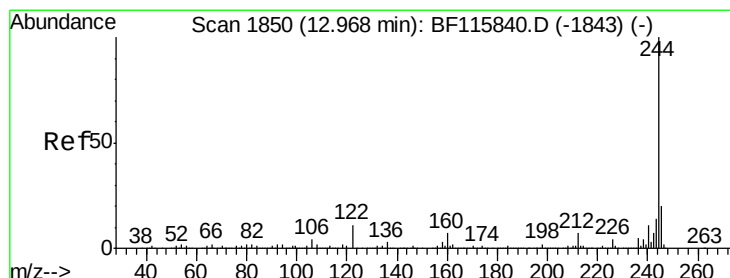
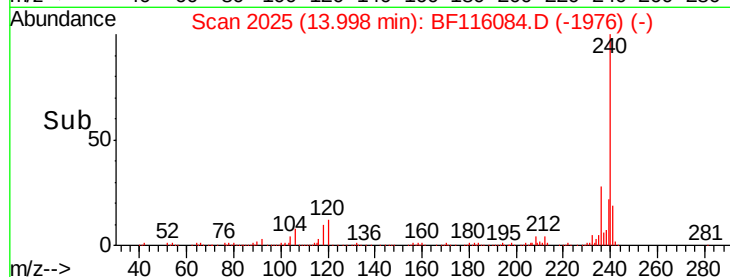
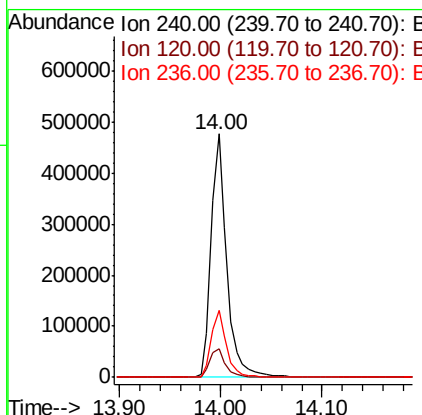
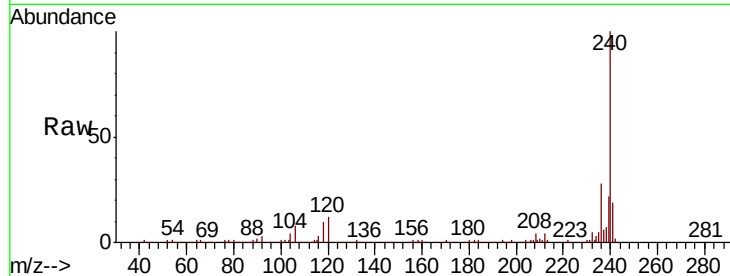




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

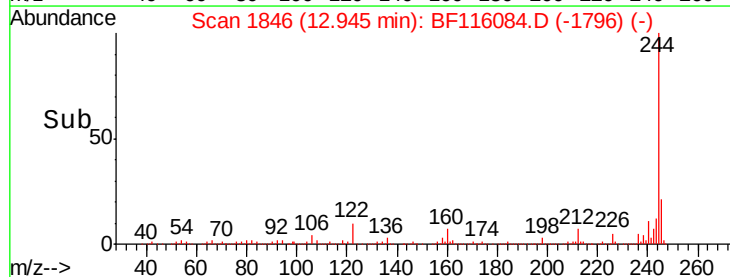
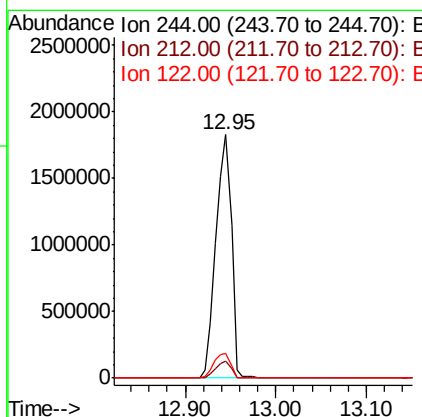
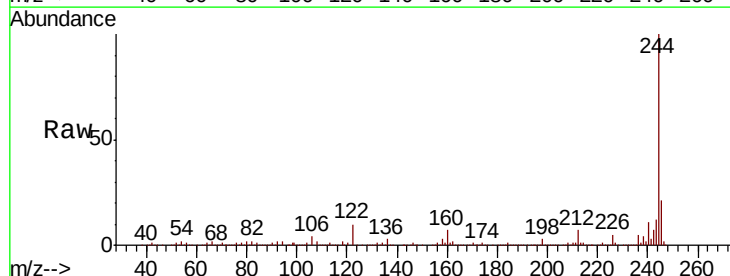
Instrument :
BNA_F
ClientSampleId :

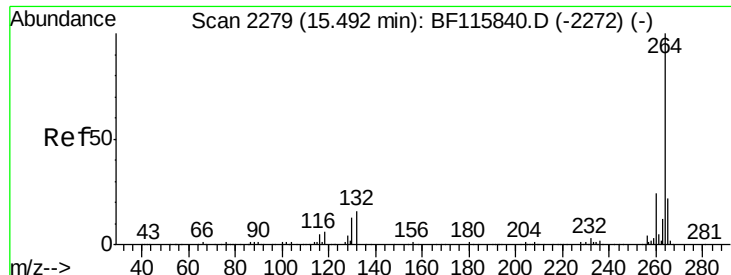
Tot Ion:240 Resp: 511266
Ion Ratio Lower Upper
240 100
120 11.6 10.7 16.1
236 27.8 22.2 33.2



#79
Terphenyl-d14
Concen: 88.995 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

Tgt Ion:244 Resp: 2159300
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.2 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116084.D
Acq: 8 Aug 2019 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	22.1	17.4	26.0

