

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116716.D
 Acq On : 1 Sep 2019 00:55
 Operator : HP/JU
 Sample : K4527-34
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-O-(0-1.9)

Quant Time: Sep 01 01:30:42 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

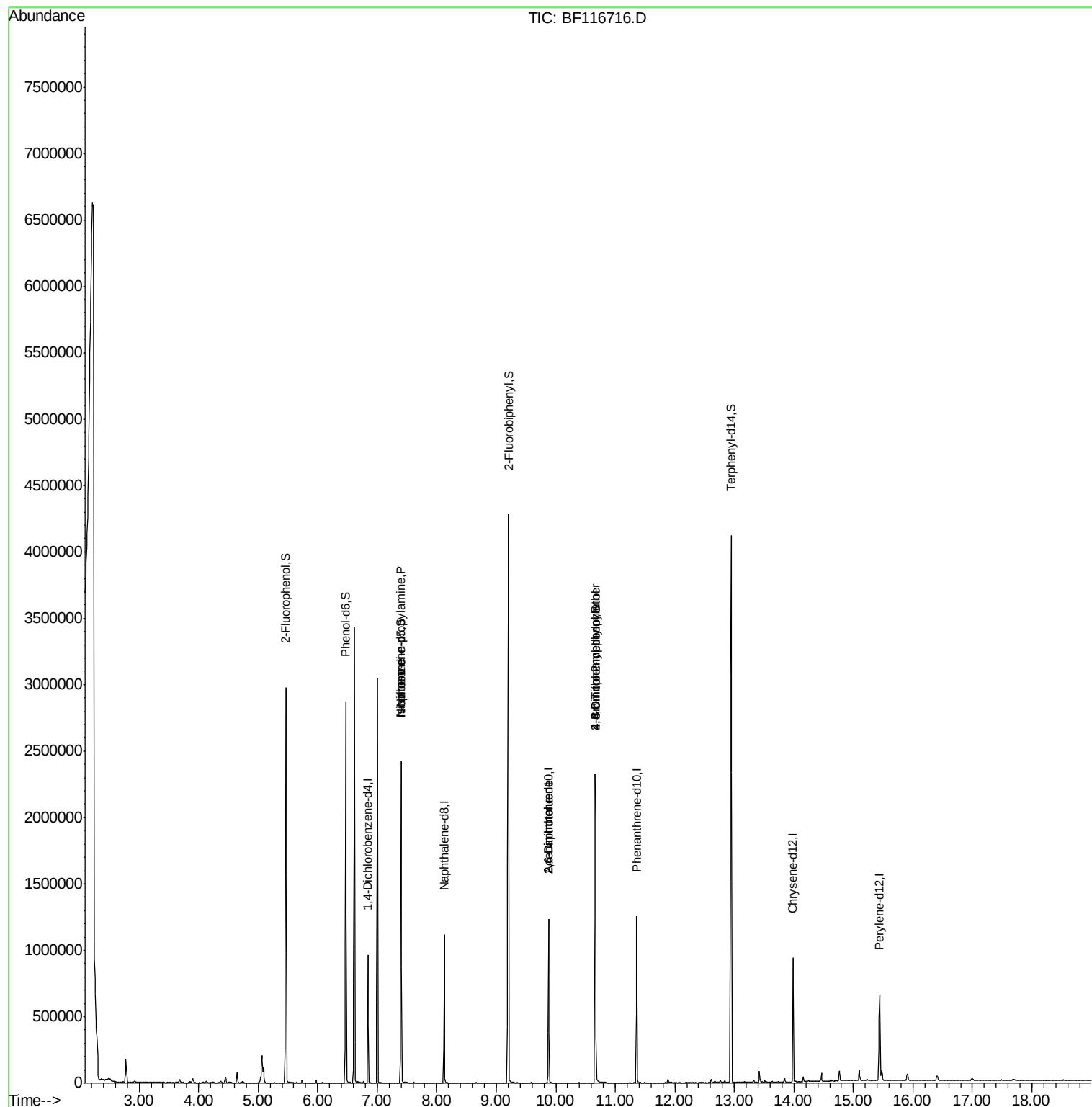
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122856	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	487898	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	257236	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	430810	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	292097	20.00	ng	-0.01
87) Perylene-d12	15.44	264	295728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	848225	111.85	ng	0.00
7) Phenol-d6	6.47	99	1021417	102.57	ng	0.00
23) Nitrobenzene-d5	7.40	82	784136	91.75	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	257618	149.81	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1340946	87.94	ng	0.00
79) Terphenyl-d14	12.95	244	1400241	88.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	104801	15.984	ng	# 73
25) Isophorone	7.40	82	784127	45.278	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	32464	9.581	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	32464	7.836	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	517	7.726	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	17311	3.955	ng	# 1

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

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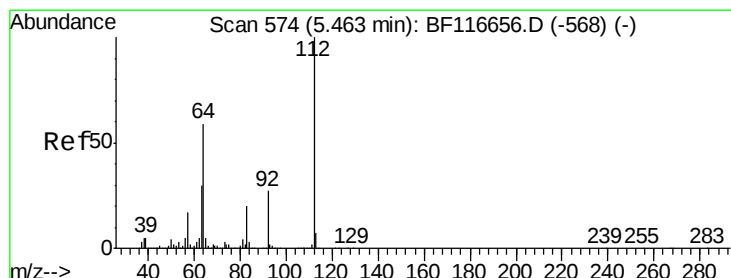
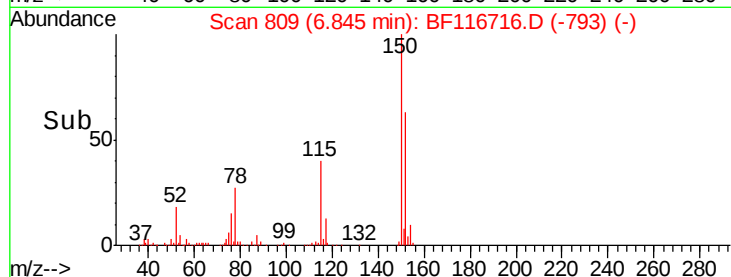
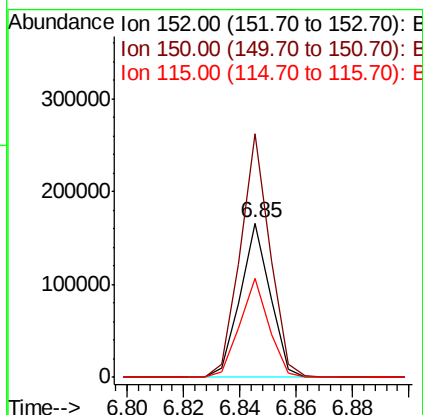
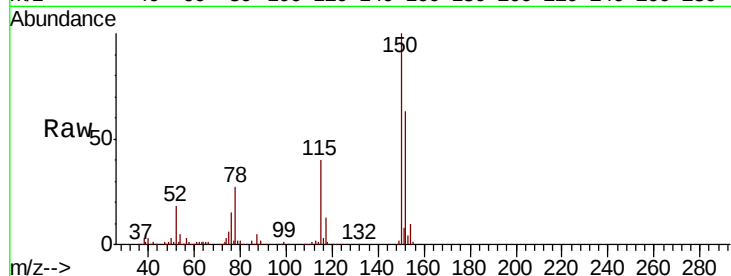


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

Instrument :
BNA_F
ClientSampleId :
T9-12-13-O-(0-1.9)

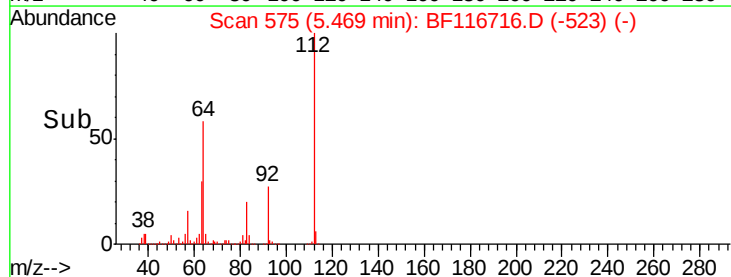
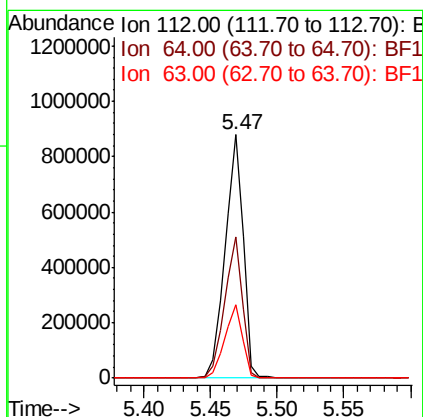
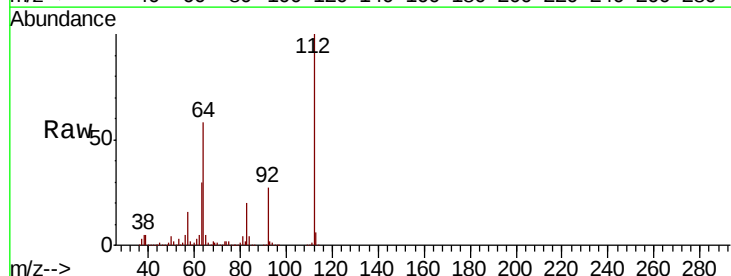
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.4	186.6
115	63.8	49.9	74.9



#5

2-Fluorophenol
Concen: 111.852 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 102.574 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

Instrument :

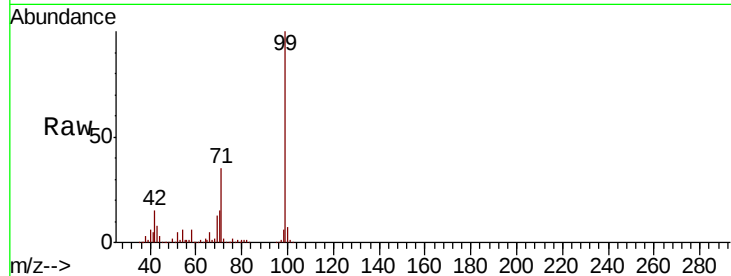
BNA_F

ClientSampleId :

T9-12-13-O-(0-1.9)

Tot Ion: 99 Resp: 1021417

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.7	20.5
71	35.2	30.8	46.2

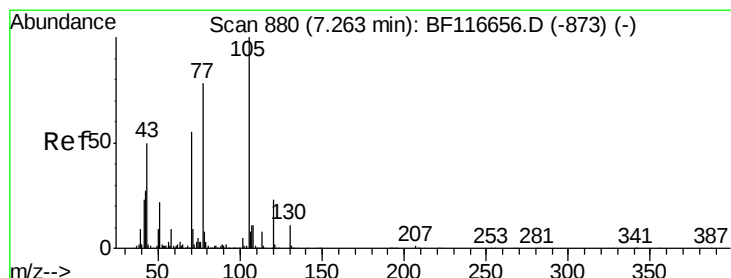
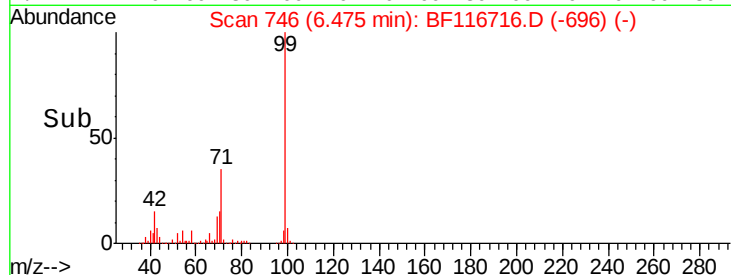


Abundance

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: 15.984 ng

RT: 7.40 min Scan# 904

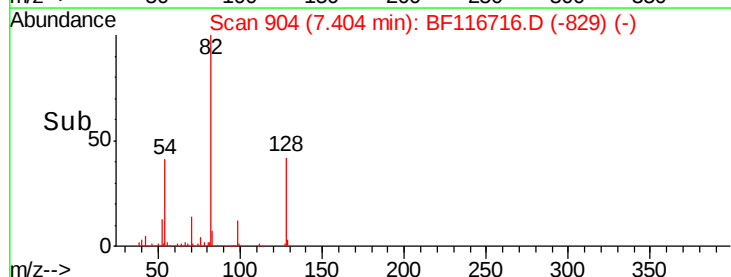
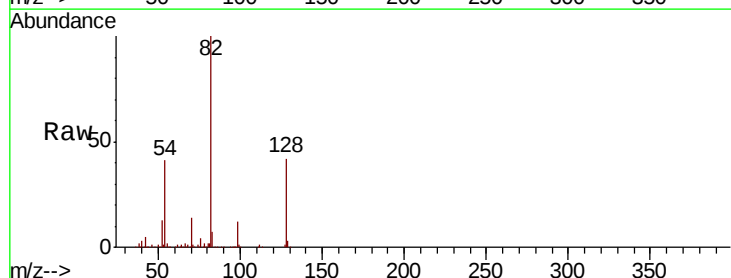
Delta R.T. 0.14 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

Tgt Ion: 70 Resp: 104801

Ion	Ratio	Lower	Upper
70	100		
42	38.6	43.5	65.3#
101	0.0	7.8	11.6#
130	2.4	16.6	24.8#

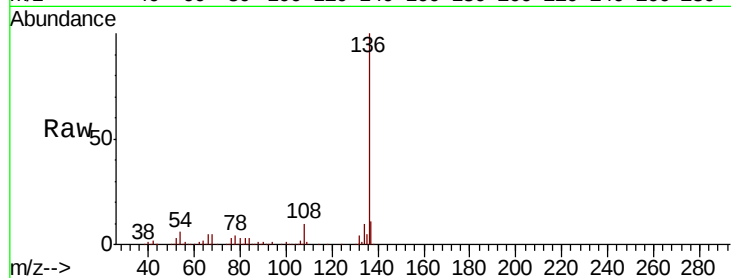




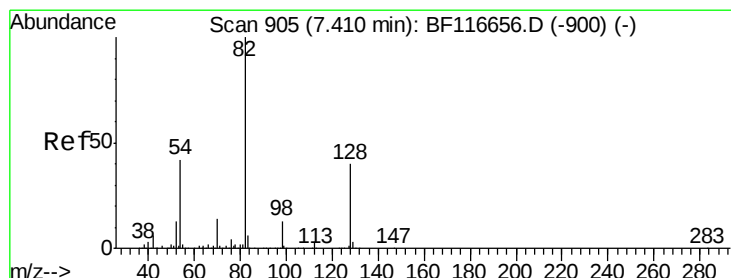
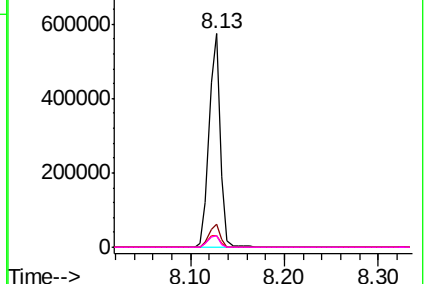
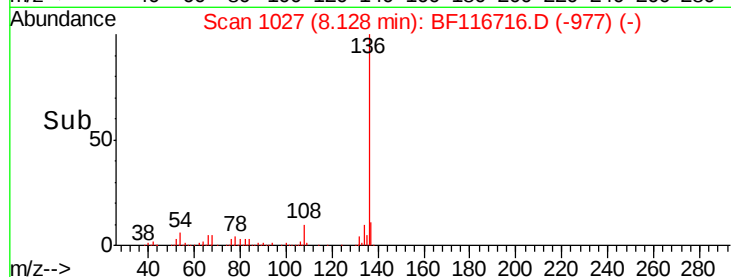
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

Instrument :
BNA_F
ClientSampleId :
T9-12-13-O-(0-1.9)

Tot Ion:136	Resp:	487898
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 5.6	4.8	7.2
68 5.2	4.0	6.0

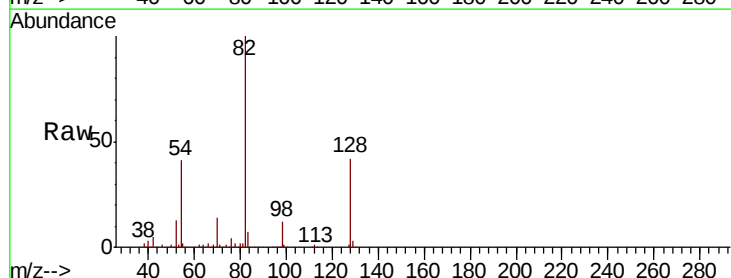


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

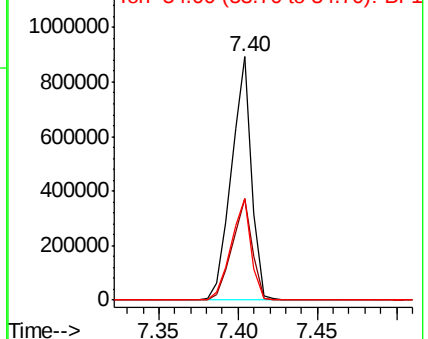
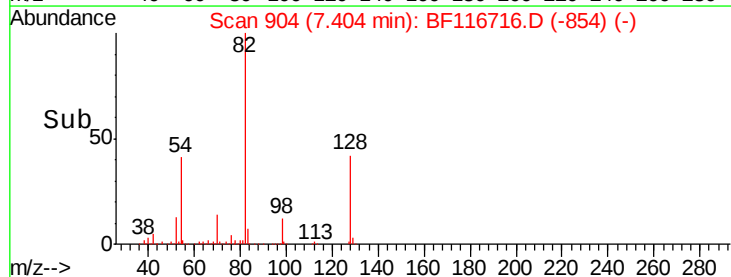


#23
Nitrobenzene-d5
Concen: 91.749 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

Tgt Ion: 82	Resp: 784136
Ion Ratio	Lower Upper
82 100	
128 41.7	32.8 49.2
54 41.5	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: 45.278 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

Instrument :

BNA_F

ClientSampleId :

T9-12-13-O-(0-1.9)

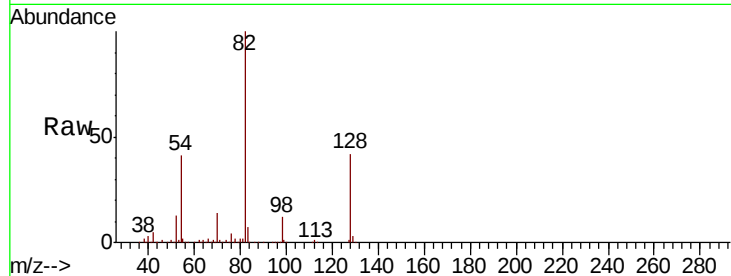
Tot Ion: 82 Resp: 784127

Ion Ratio Lower Upper

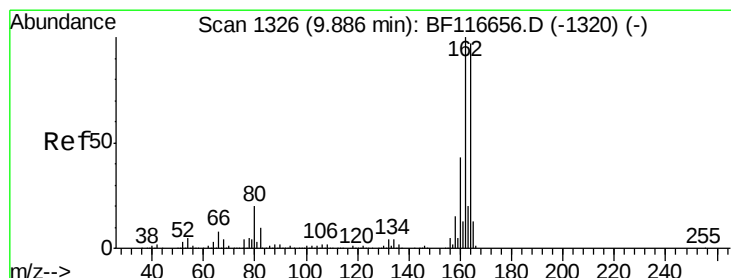
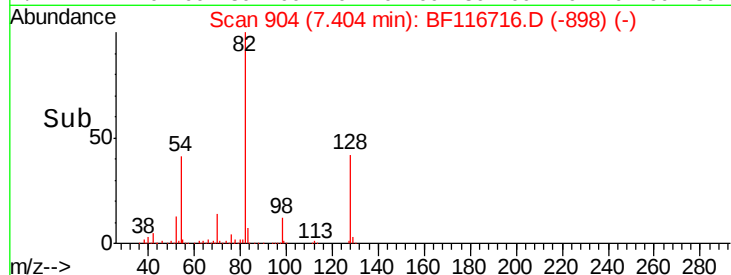
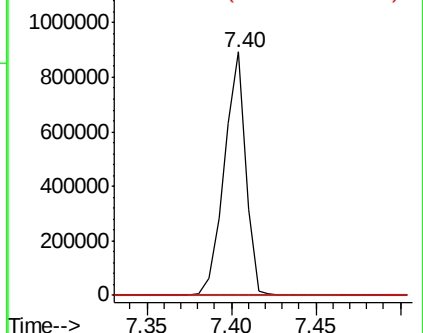
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

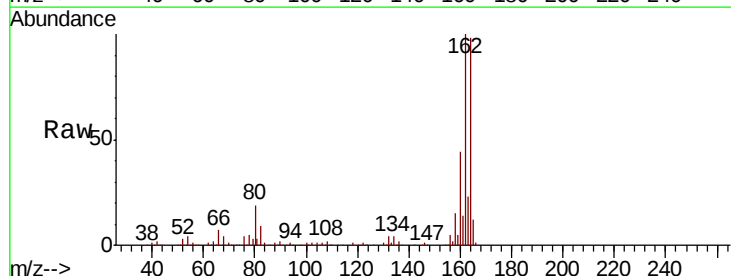
Tgt Ion: 164 Resp: 257236

Ion Ratio Lower Upper

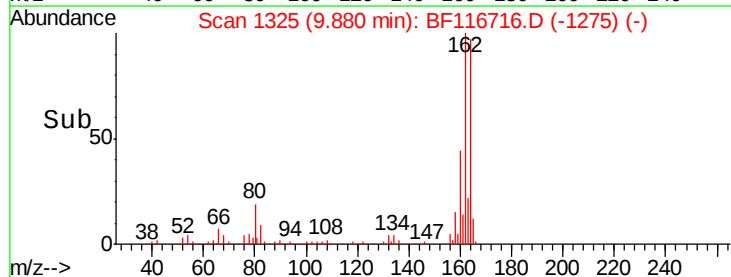
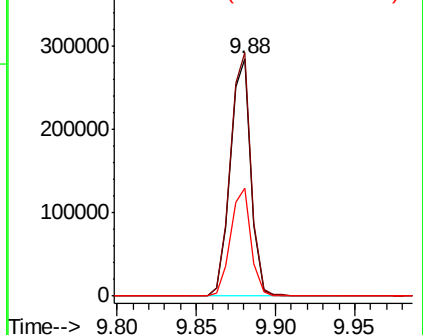
164 100

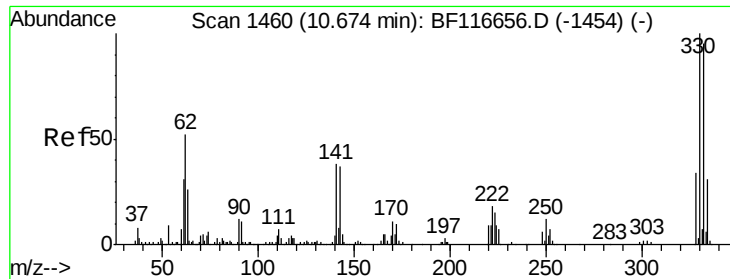
162 102.5 81.4 122.0

160 45.3 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

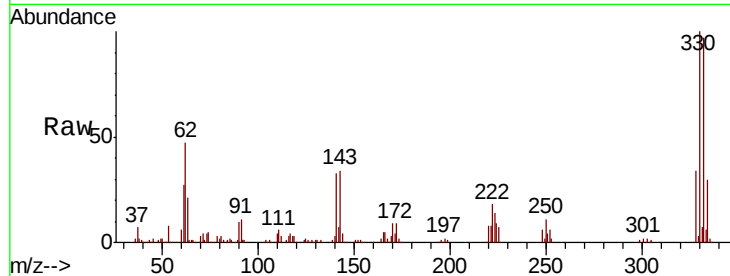




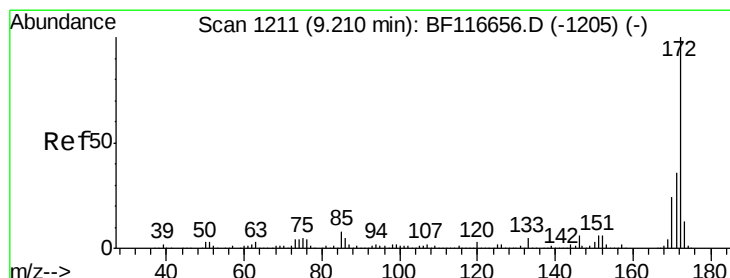
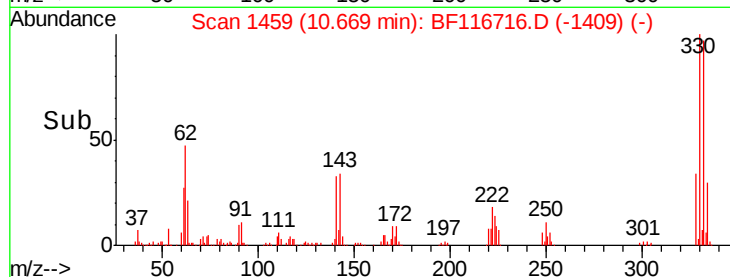
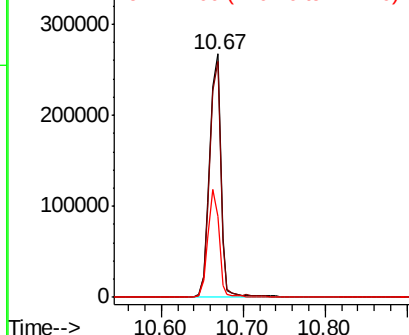
#42
 2,4,6-Tribromophenol
 Concen: 149.806 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116716.D
 Acq: 1 Sep 2019 00:55

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-O-(0-1.9)

Tot Ion:330 Resp: 257618
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.9 115.3
 141 43.6 31.4 47.2

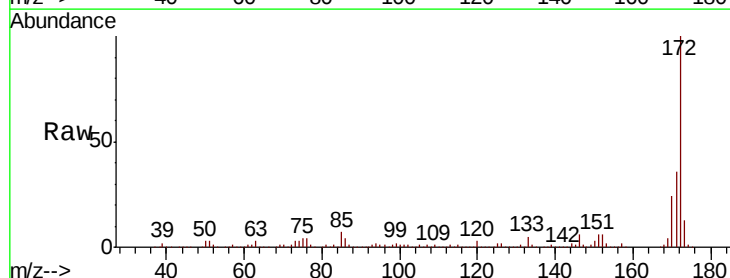


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

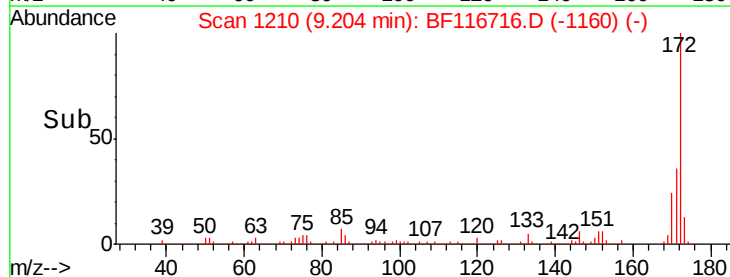
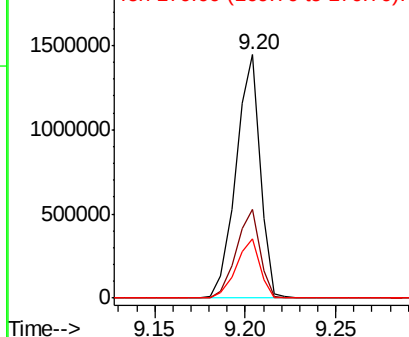


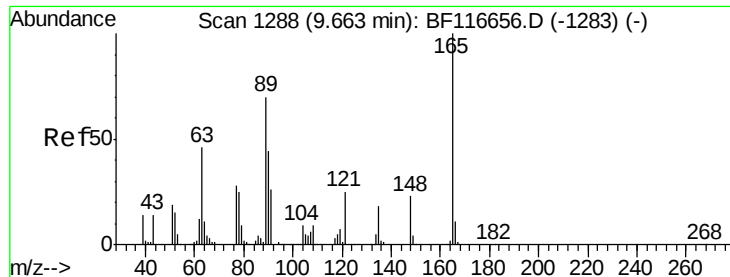
#45
 2-Fluorobiphenyl
 Concen: 87.936 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116716.D
 Acq: 1 Sep 2019 00:55

Tgt Ion:172 Resp: 1340946
 Ion Ratio Lower Upper
 172 100
 171 36.3 27.8 41.6
 170 24.1 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: 9.581 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

Instrument :

BNA_F

ClientSampleId :

T9-12-13-O-(0-1.9)

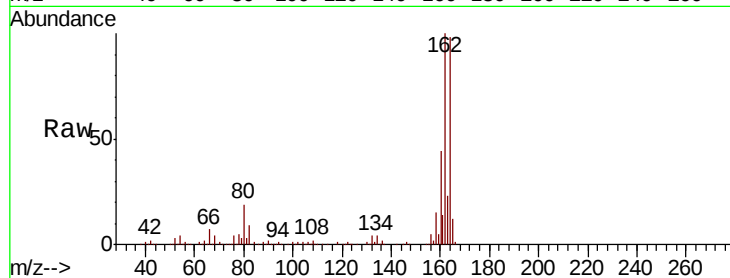
Tot Ion:165 Resp: 32464

Ion Ratio Lower Upper

165 100

63 1.5 47.3 70.9#

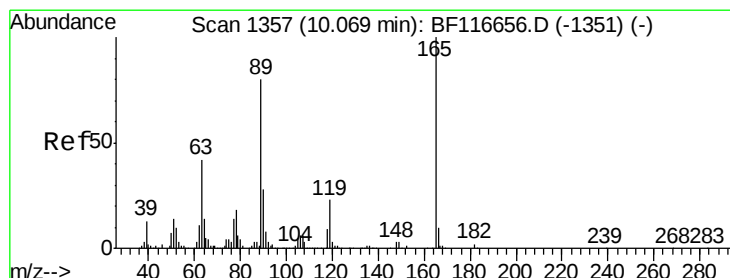
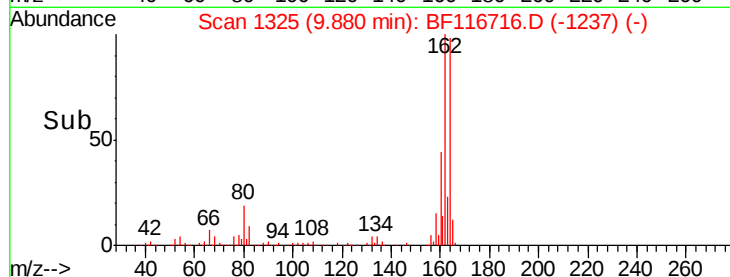
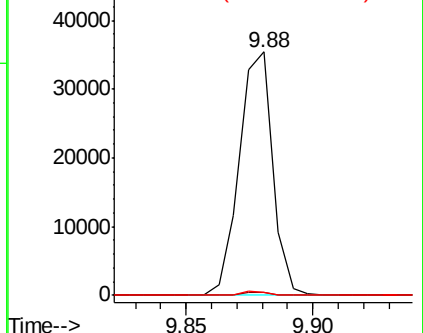
89 1.5 52.5 78.7#



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: 7.836 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

Tgt Ion:165 Resp: 32464

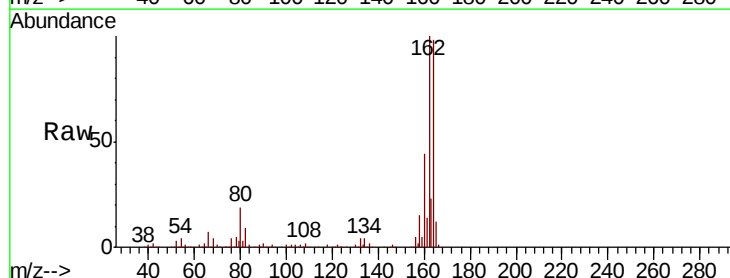
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.5 62.6 94.0#

182 0.0 2.1 3.1#

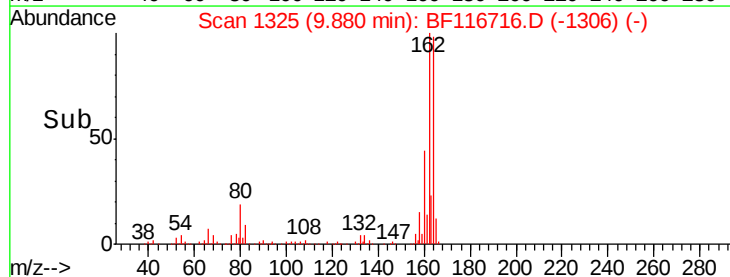
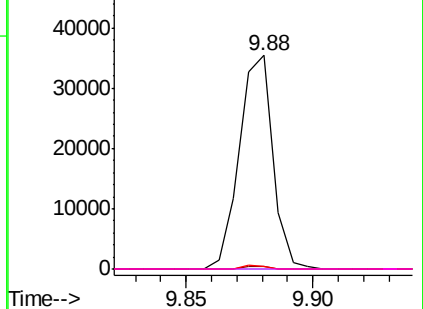


Abundance Ion 165.00 (164.70 to 165.70): E

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

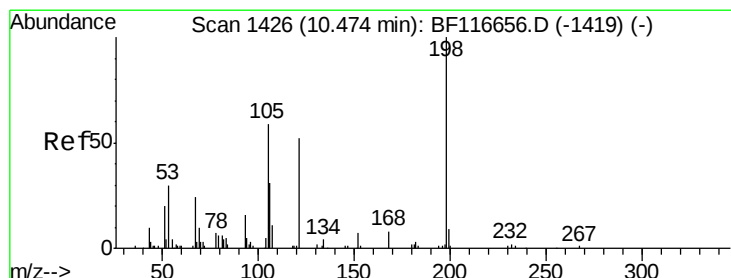
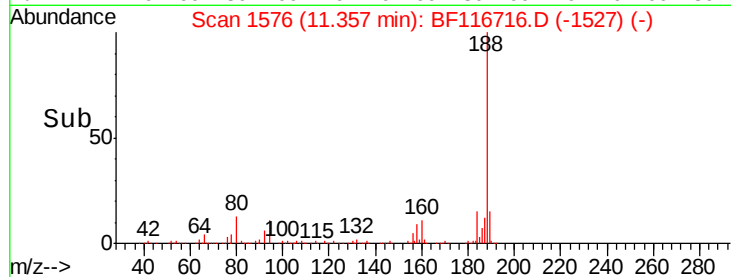
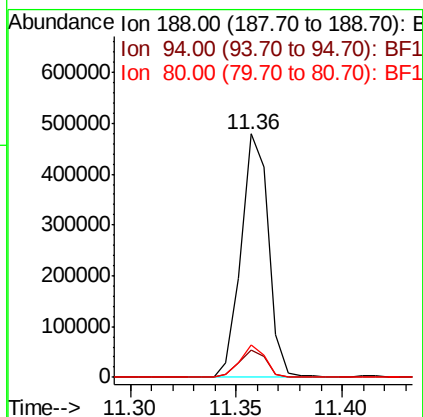
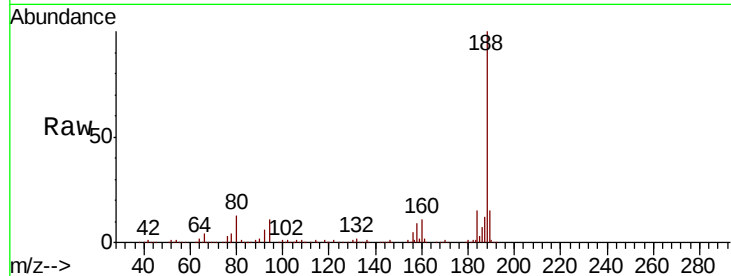




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

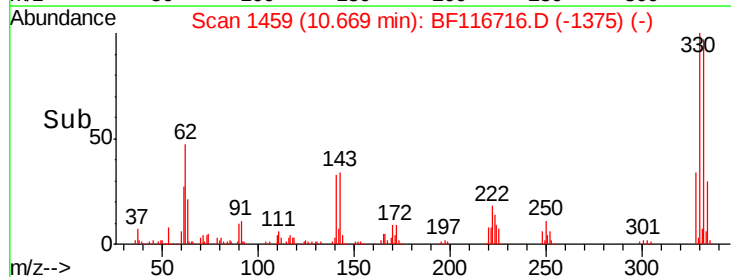
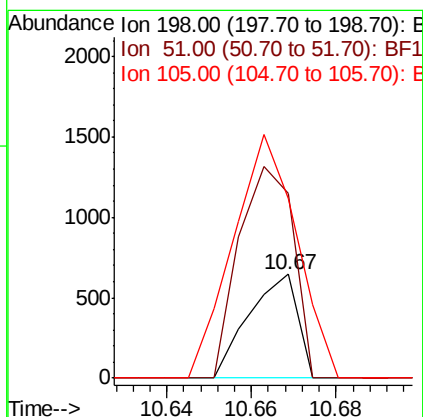
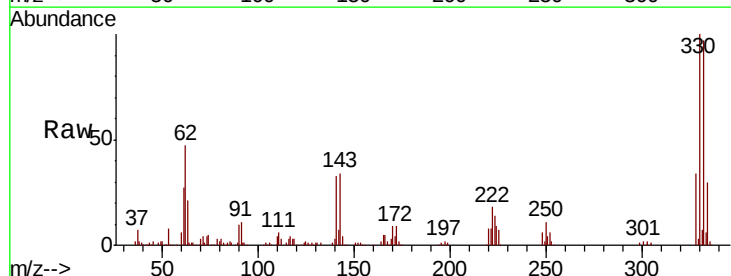
Instrument :
BNA_F
ClientSampleId :
T9-12-13-O-(0-1.9)

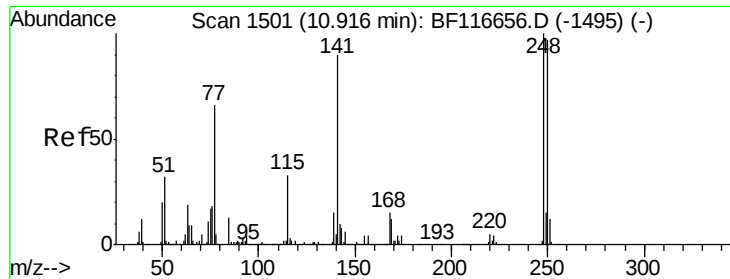
Tot Ion:188 Resp: 430810
Ion Ratio Lower Upper
188 100
94 11.4 7.3 10.9#
80 13.1 8.4 12.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.726 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

Tgt Ion:198 Resp: 517
Ion Ratio Lower Upper
198 100
51 178.2 18.4 58.4#
105 172.9 22.9 62.9#

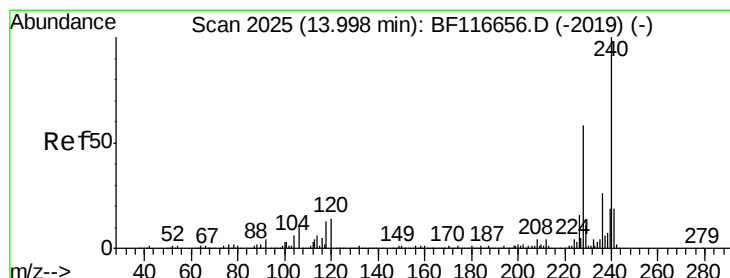
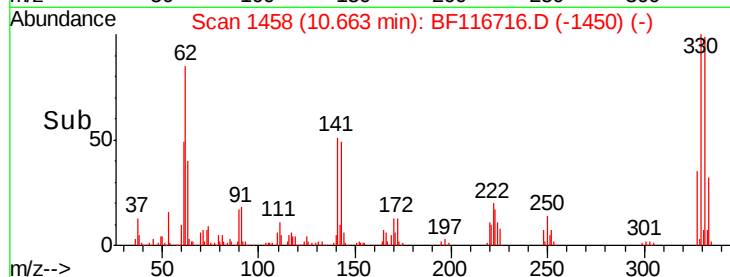
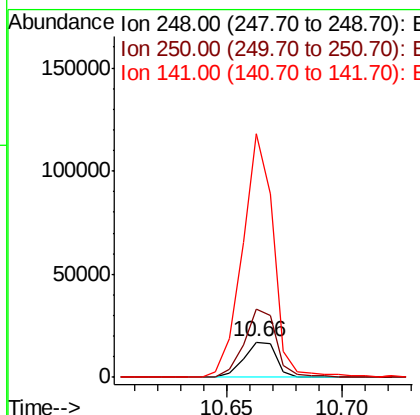
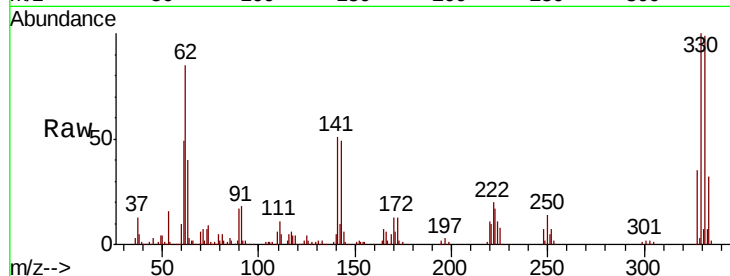




#67
4-Bromophenyl-phenylether
Concen: 3.955 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

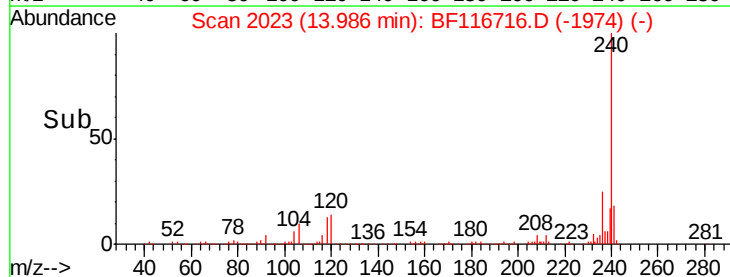
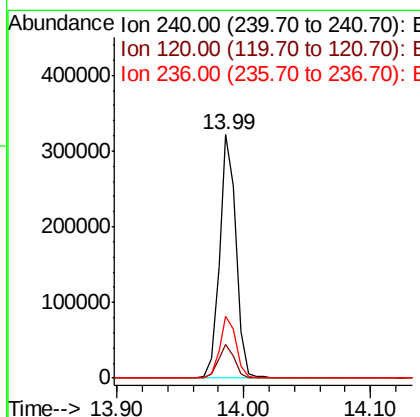
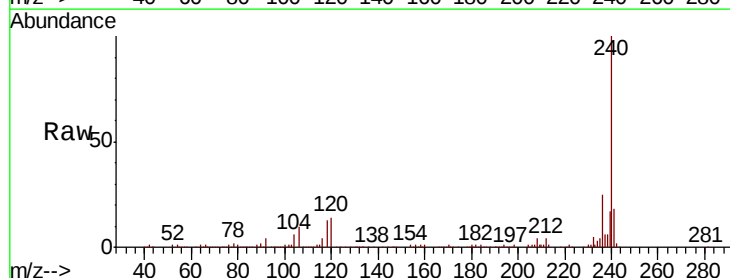
Instrument :
BNA_F
ClientSampleId :
T9-12-13-O-(0-1.9)

Tot Ion:248 Resp: 17311
Ion Ratio Lower Upper
248 100
250 193.0 77.8 116.8#
141 688.4 75.9 113.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116716.D
Acq: 1 Sep 2019 00:55

Tgt Ion:240 Resp: 292097
Ion Ratio Lower Upper
240 100
120 13.9 9.1 13.7#
236 25.3 21.1 31.7





#79

Terphenyl-d14

Concen: 88.682 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

Instrument :

BNA_F

ClientSampleId :

T9-12-13-O-(0-1.9)

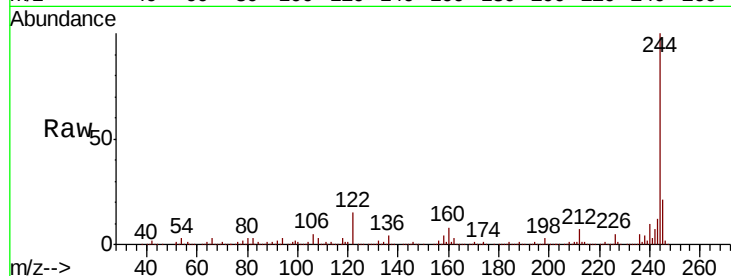
Tot Ion:244 Resp: 1400241

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

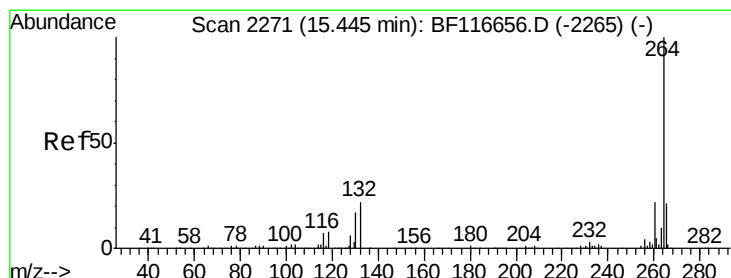
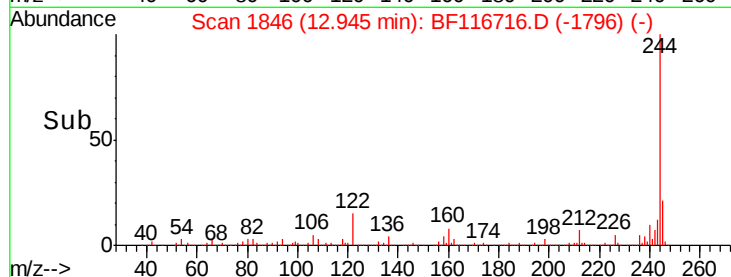
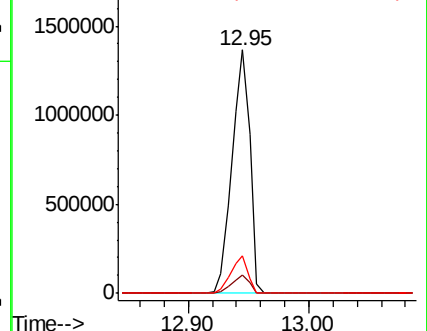
122 15.2 10.2 15.4



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: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF116716.D

Acq: 1 Sep 2019 00:55

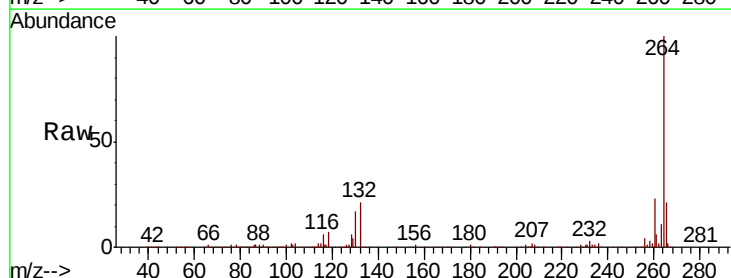
Tgt Ion:264 Resp: 295728

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 20.8 16.5 24.7



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

