

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
 Data File : BF116228.D
 Acq On : 13 Aug 2019 13:40
 Operator : HP/JU
 Sample : K4200-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14

Quant Time: Aug 13 23:17:29 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

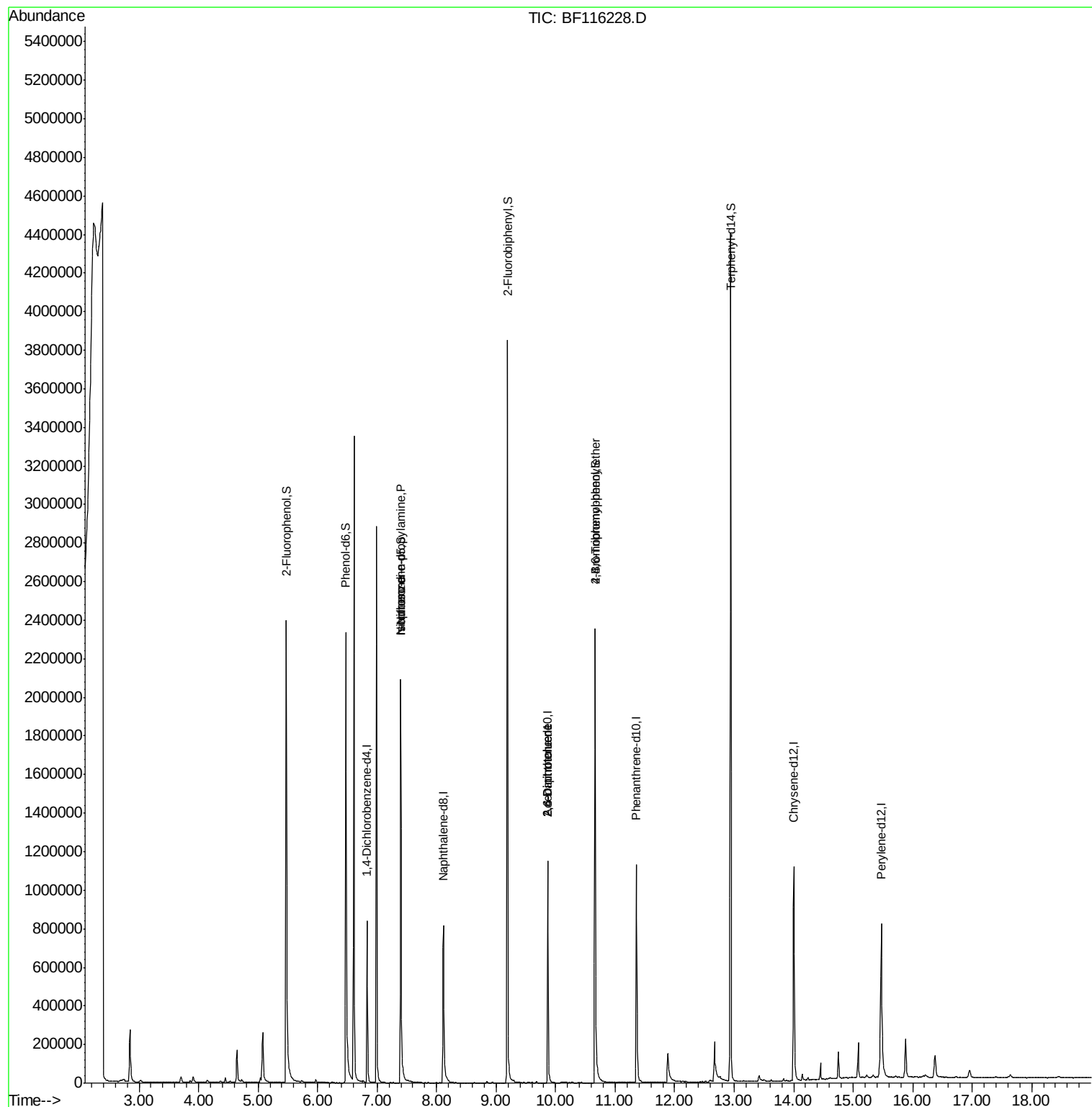
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	123335	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	467532	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	253009	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	484614	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	447618	20.00	ng	0.00
87) Perylene-d12	15.47	264	485131	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	872777	118.46	ng	0.00
7) Phenol-d6	6.47	99	1046593	112.59	ng	-0.01
23) Nitrobenzene-d5	7.40	82	814129	100.52	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	376058	153.31	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1342562	99.39	ng	-0.01
79) Terphenyl-d14	12.94	244	1752512	82.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	106857	18.551	ng	# 79
25) Isophorone	7.40	82	814125	52.566	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	32175	8.594	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32176	6.455	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	22344	4.307	ng	# 1

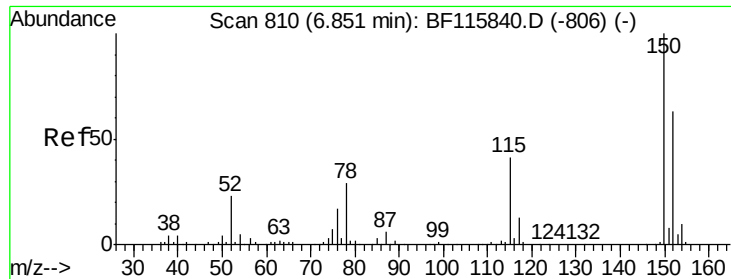
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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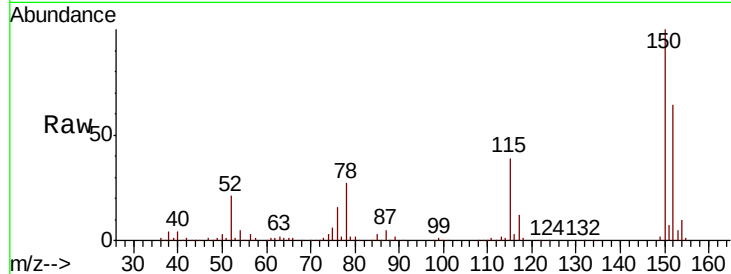


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116228.D
Acq: 13 Aug 2019 13:40

Instrument :
BNA_F
ClientSampled :
TP-14

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	61.6	49.9	74.9

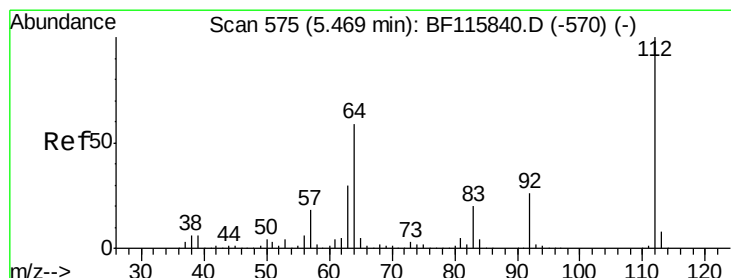
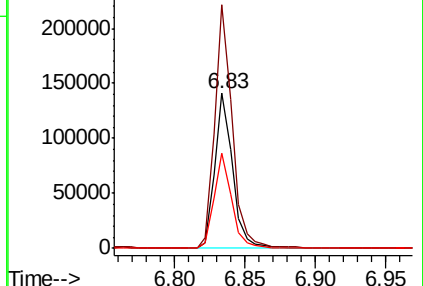
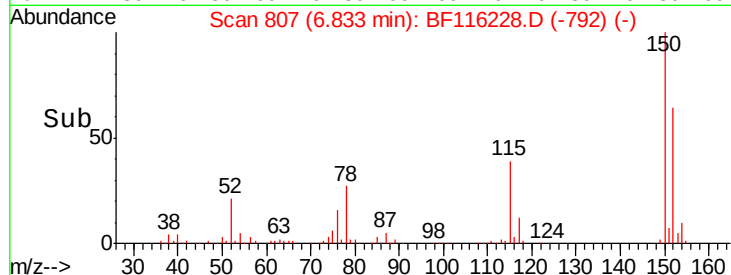


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

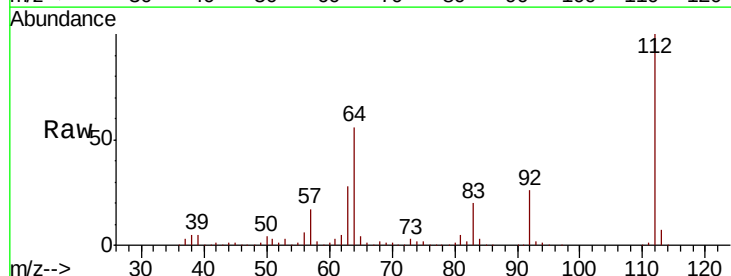
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.465 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116228.D
Acq: 13 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.4	68.2
63	28.5	23.7	35.5

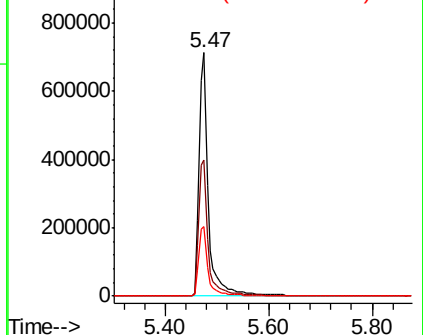
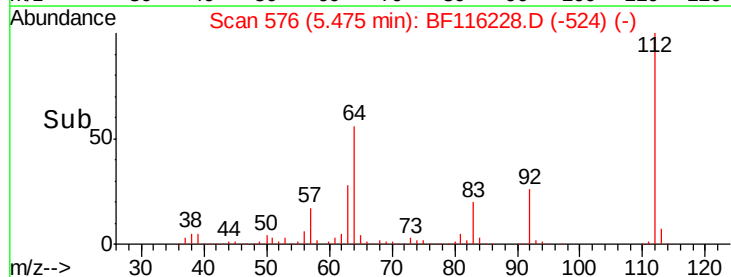


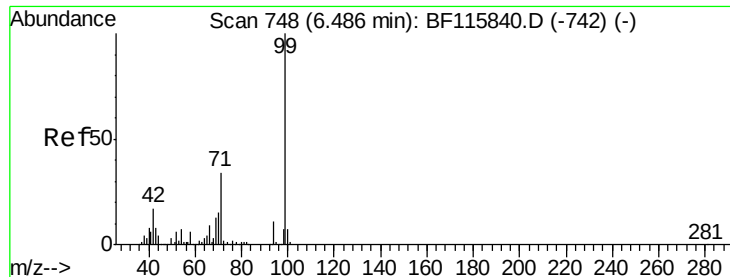
Abundance

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: 112.594 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

Instrument :

BNA_F

ClientSampled :

TP-14

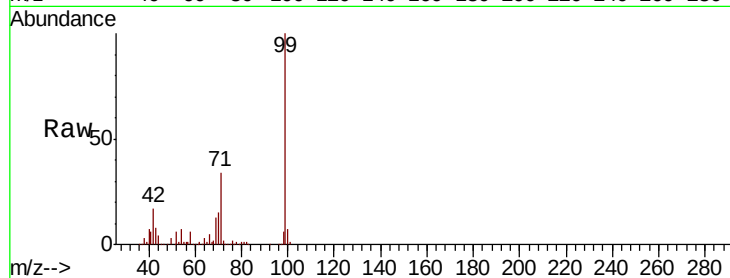
Tgt Ion: 99 Resp: 1046593

Ion Ratio Lower Upper

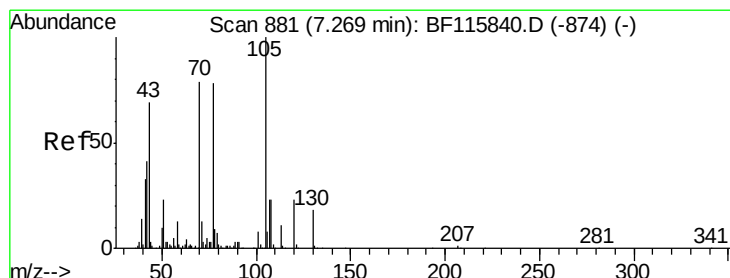
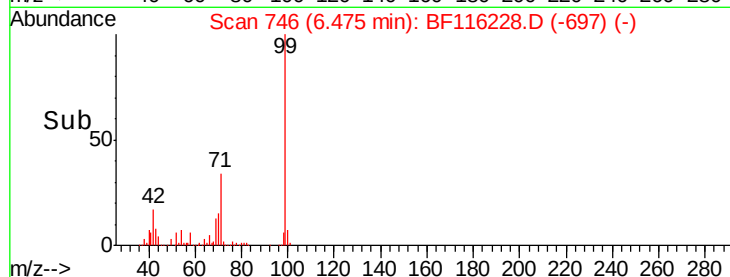
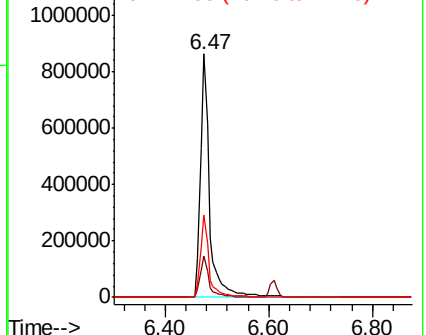
99 100

42 16.9 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: 18.551 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

Tgt Ion: 70 Resp: 106857

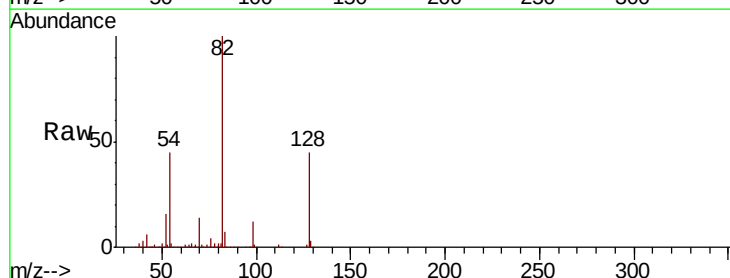
Ion Ratio Lower Upper

70 100

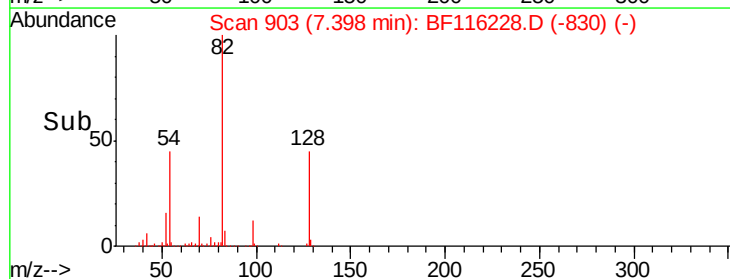
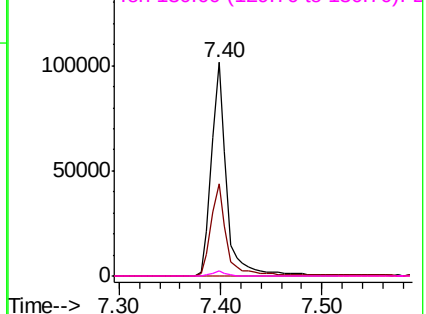
42 43.0 40.9 61.3

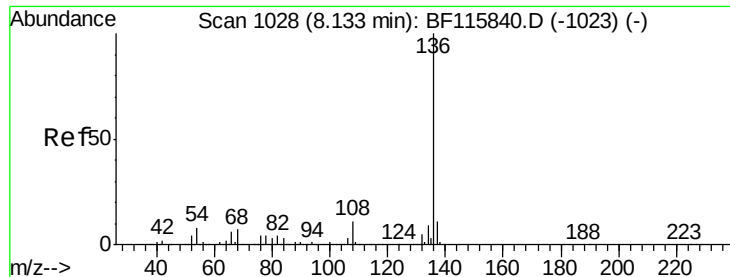
101 0.0 7.9 11.9#

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

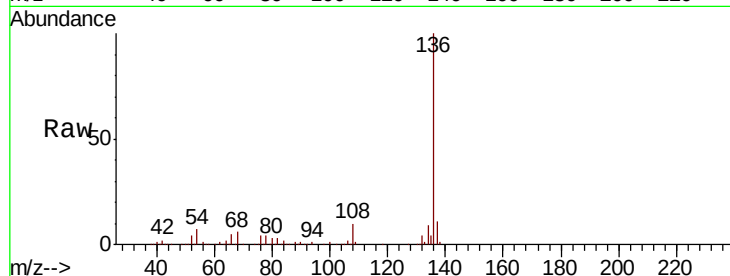




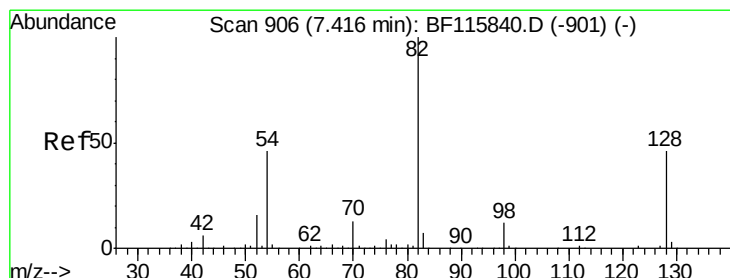
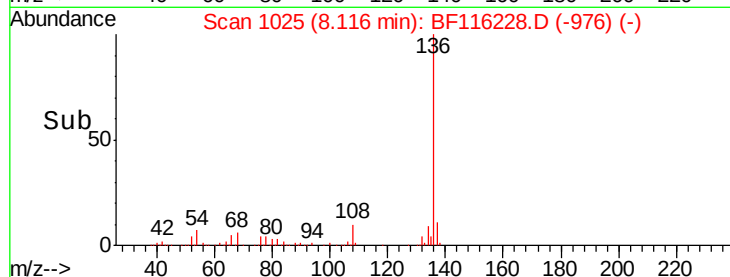
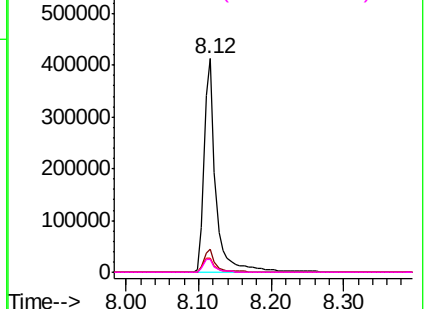
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116228.D
Acq: 13 Aug 2019 13:40

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion:	136	Resp:	467532
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.5	5.8	8.6
68	6.0	5.2	7.8

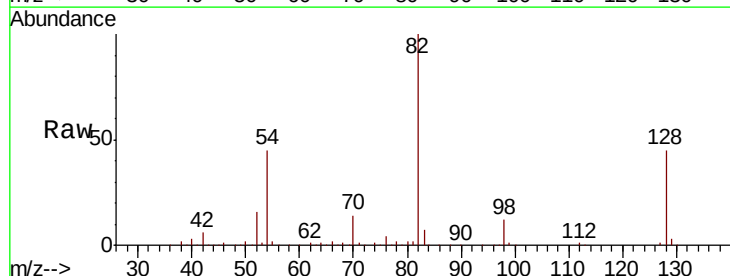


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

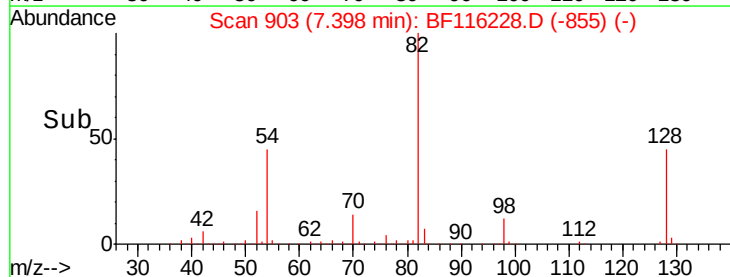
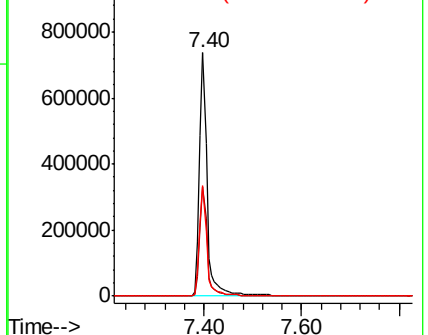


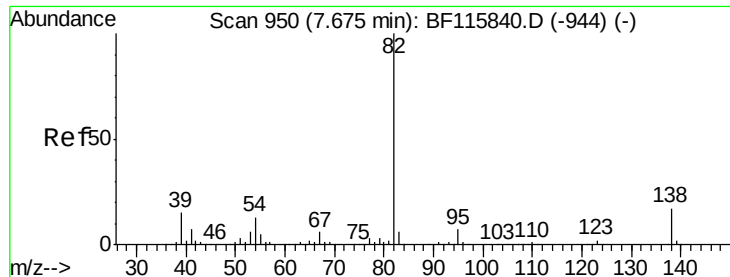
#23
Nitrobenzene-d5
Concen: 100.515 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116228.D
Acq: 13 Aug 2019 13:40

Tgt Ion:	82	Resp:	814129
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	45.1	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: 52.566 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

Instrument :

BNA_F

ClientSampled :

TP-14

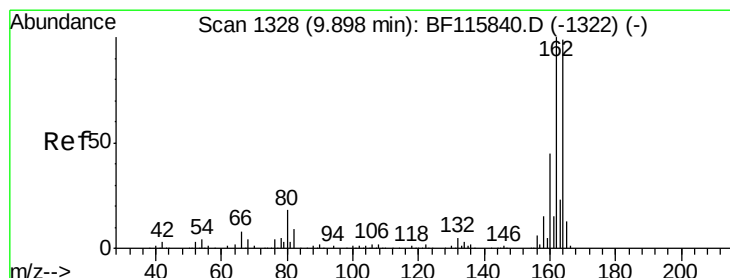
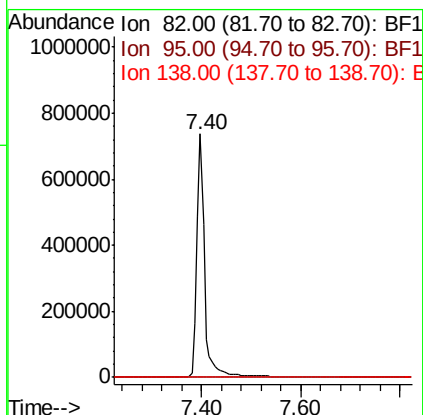
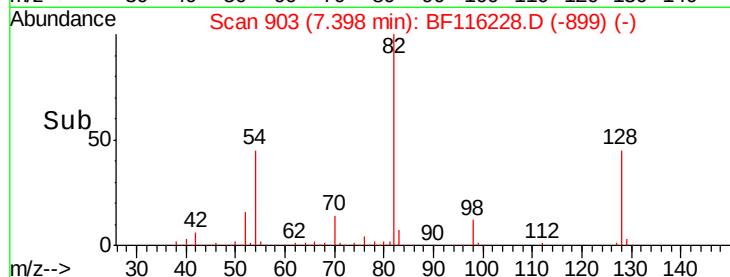
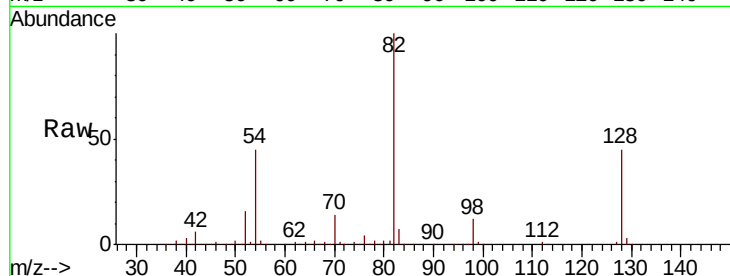
Tgt Ion: 82 Resp: 814125

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

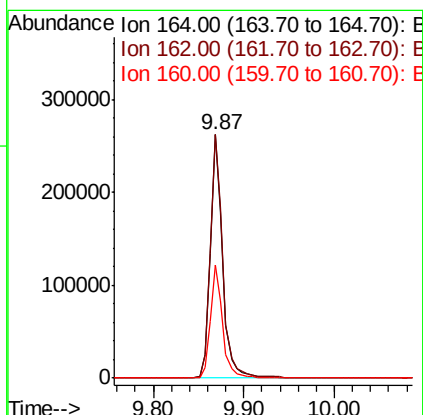
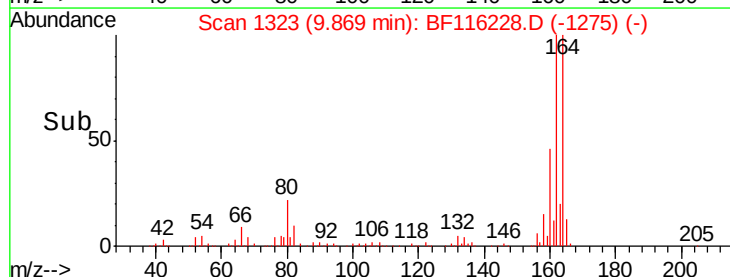
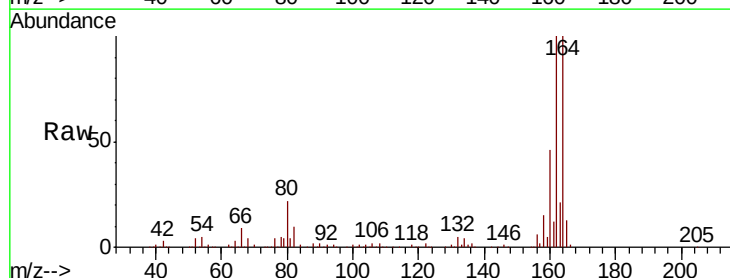
Tgt Ion: 164 Resp: 253009

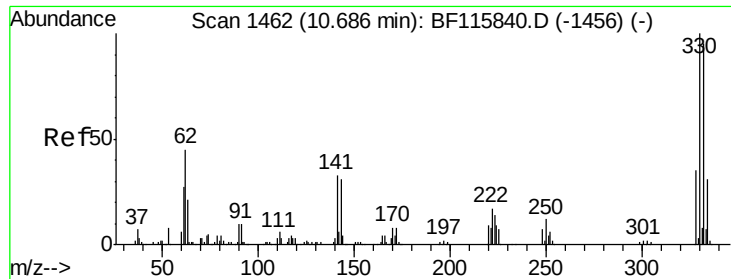
Ion Ratio Lower Upper

164 100

162 100.1 82.6 124.0

160 46.3 37.6 56.4

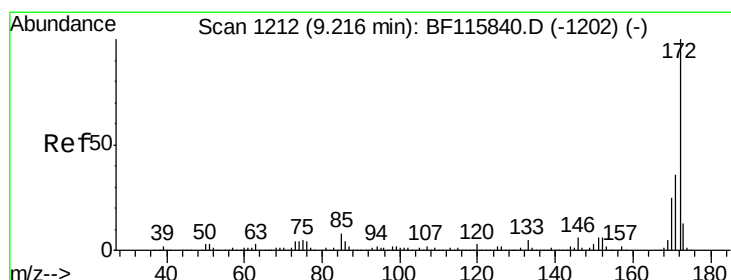
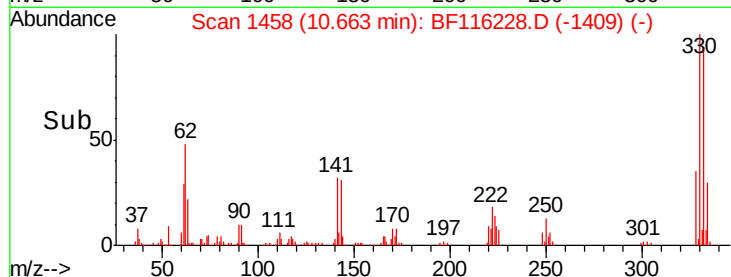
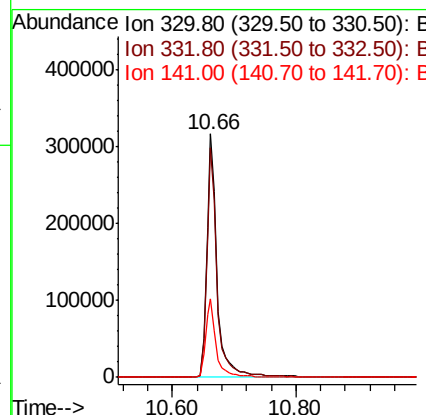
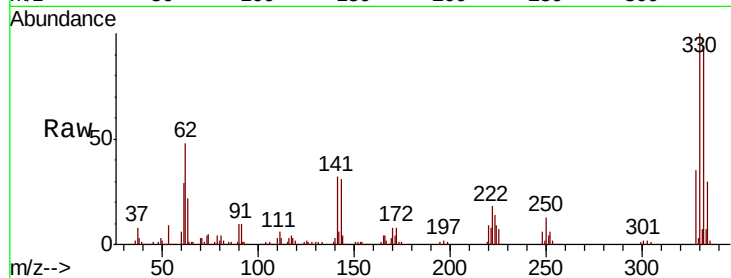




#42
 2,4,6-Tribromophenol
 Concen: 153.306 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116228.D
 Acq: 13 Aug 2019 13:40

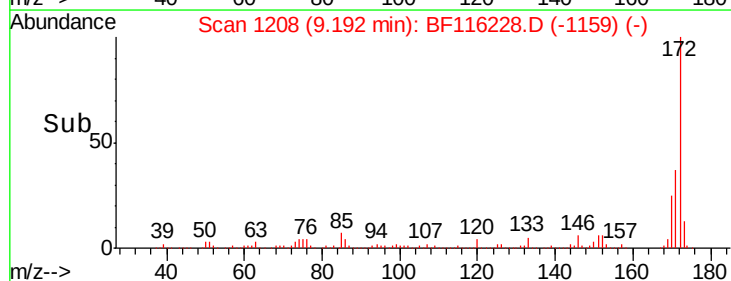
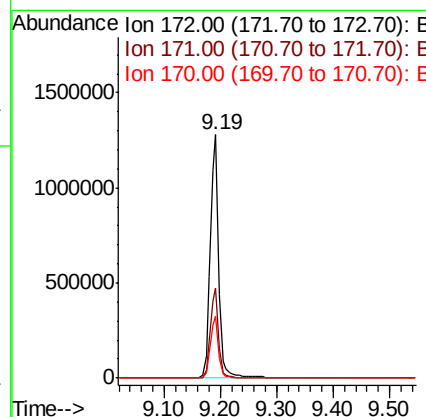
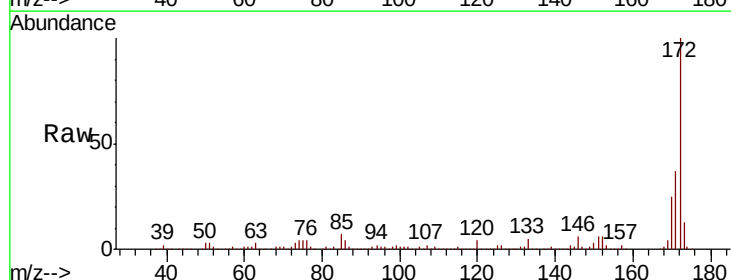
Instrument :
 BNA_F
 ClientSampleId :
 TP-14

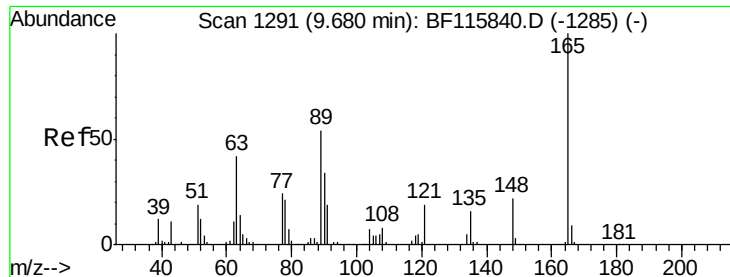
Tgt Ion:330 Resp: 376058
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.8 115.2
 141 33.3 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 99.392 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116228.D
 Acq: 13 Aug 2019 13:40

Tgt Ion:172 Resp: 1342562
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 25.3 20.1 30.1





#51

2,6-Dinitrotoluene

Concen: 8.594 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14

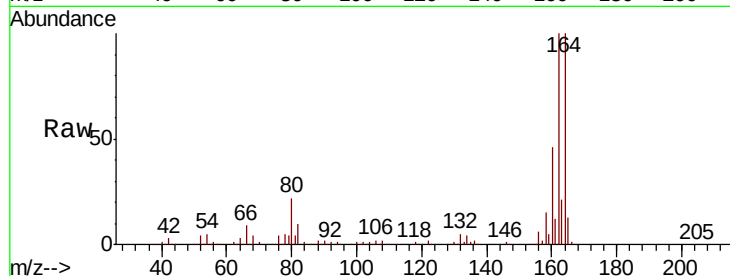
Tgt Ion:165 Resp: 32175

Ion Ratio Lower Upper

165 100

63 1.5 38.2 57.2#

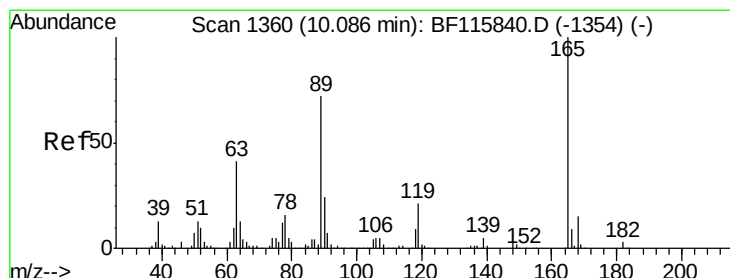
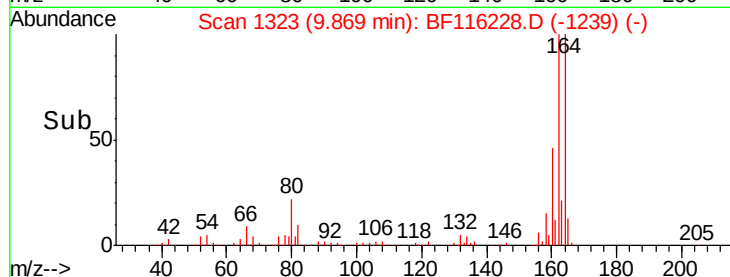
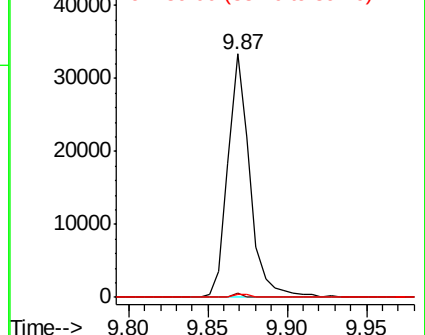
89 1.4 42.9 64.3#



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: 6.455 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

Tgt Ion:165 Resp: 32176

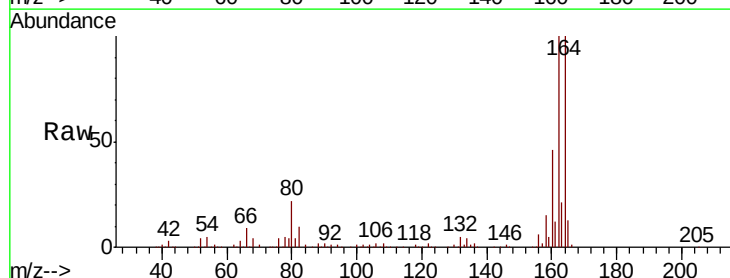
Ion Ratio Lower Upper

165 100

63 1.5 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#

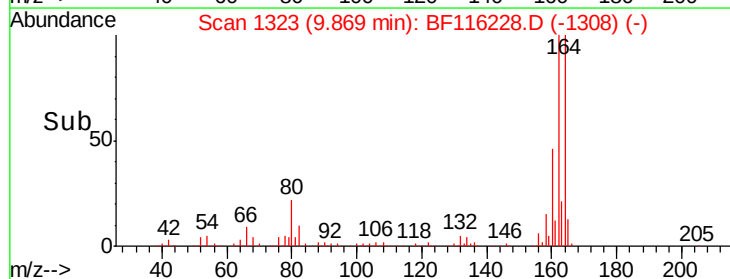
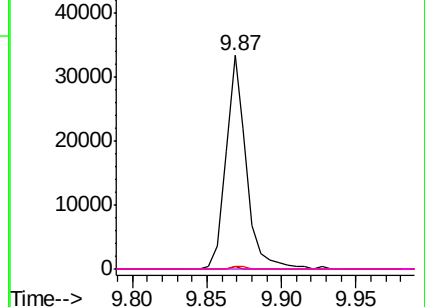


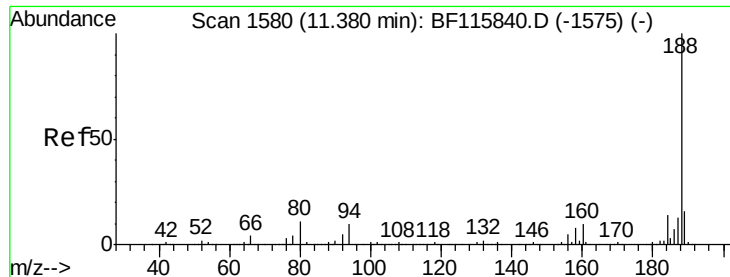
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116228.D

Acq: 13 Aug 2019 13:40

Instrument :

BNA_F

ClientSampleId :

TP-14

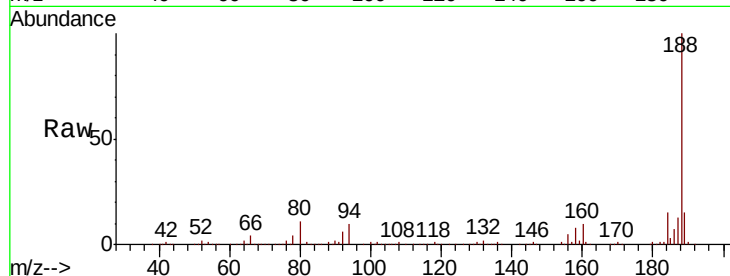
Tgt Ion:188 Resp: 484614

Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

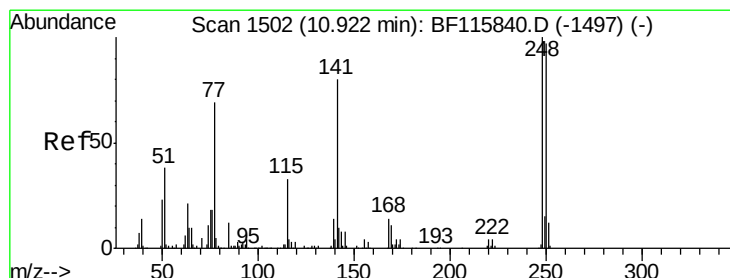
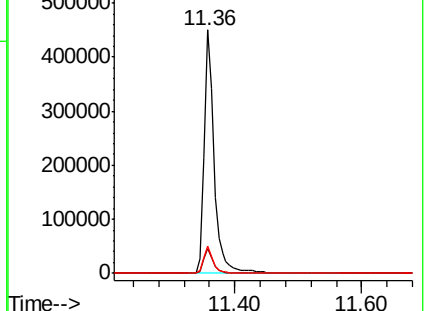
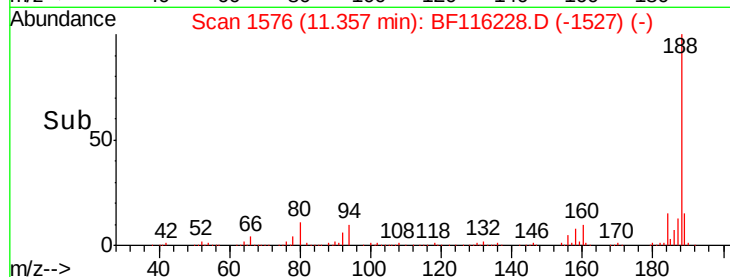
80 11.1 8.7 13.1



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: 4.307 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116228.D

Acq: 13 Aug 2019 13:40

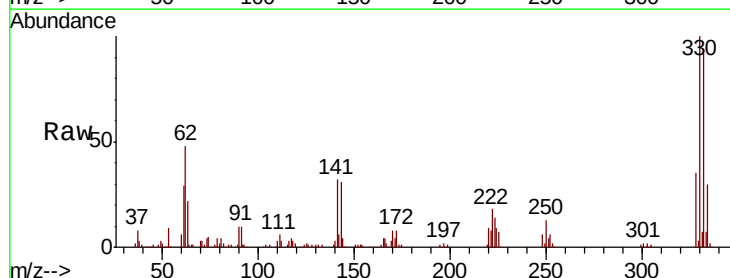
Tgt Ion:248 Resp: 22344

Ion Ratio Lower Upper

248 100

250 198.7 77.4 116.2#

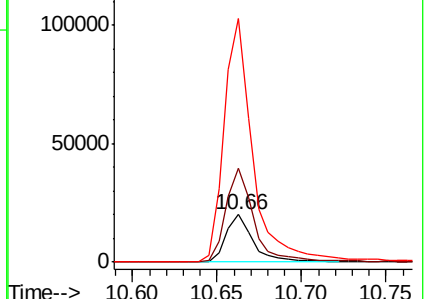
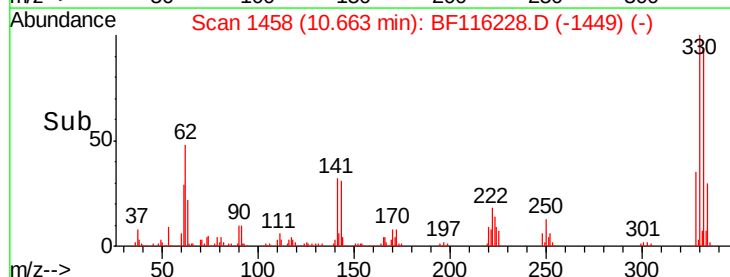
141 514.9 56.8 85.2#

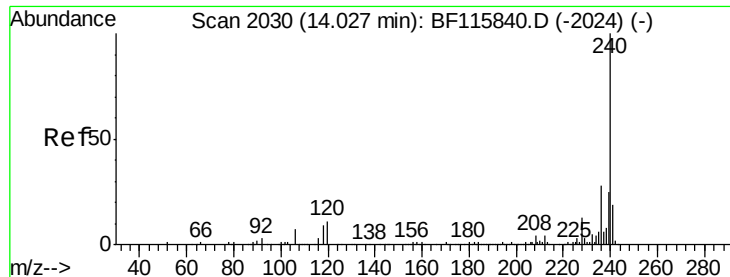


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

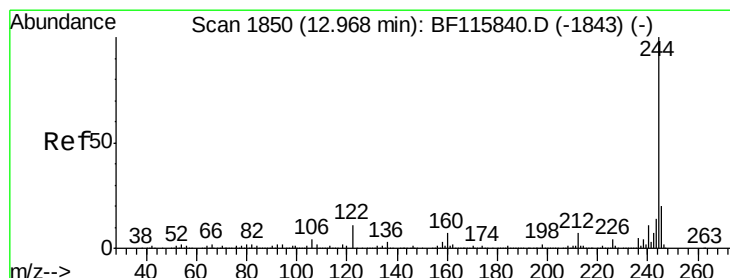
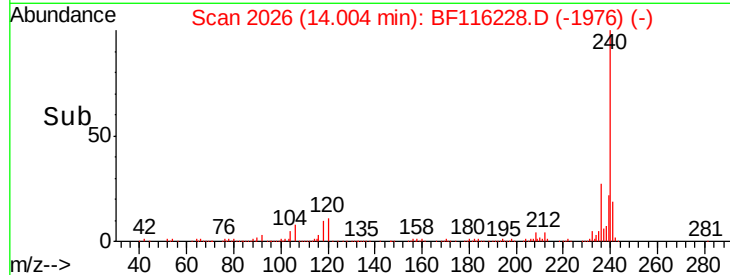
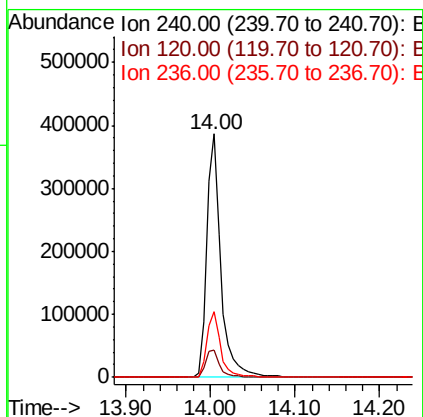
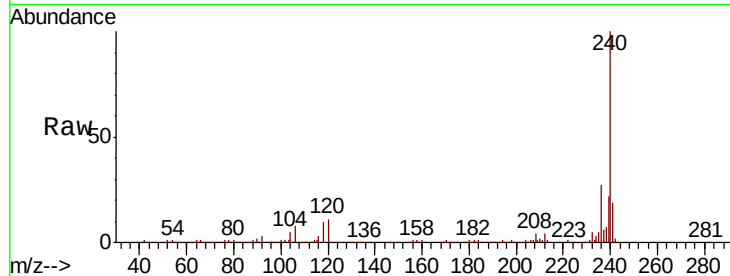




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116228.D
 Acq: 13 Aug 2019 13:40

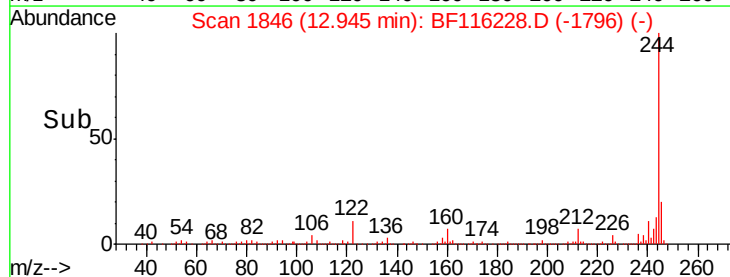
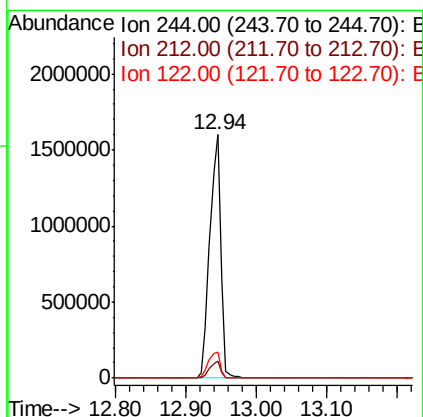
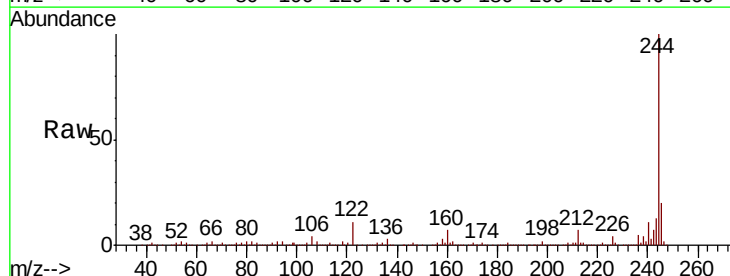
Instrument :
 BNA_F
 ClientSampleId :
 TP-14

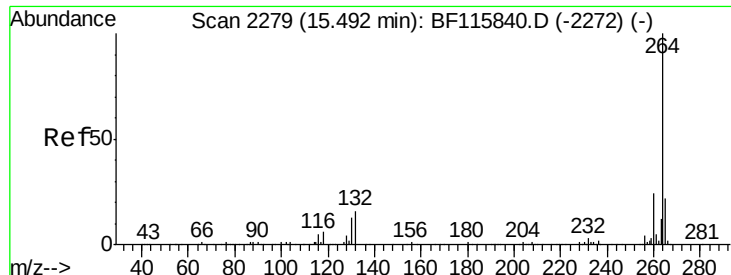
Tgt Ion:240 Resp: 447618
 Ion Ratio Lower Upper
 240 100
 120 11.2 10.7 16.1
 236 27.1 22.2 33.2



#79
 Terphenyl-d14
 Concen: 82.500 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116228.D
 Acq: 13 Aug 2019 13:40

Tgt Ion:244 Resp: 1752512
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.9 9.0 13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116228.D
Acq: 13 Aug 2019 13:40

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	21.7	17.4	26.0

