

Data File : BF116328.D
Acq On : 16 Aug 2019 20:06
Operator : HP/JU
Sample : K4321-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Time: Aug 17 03:09:52 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	6.82	152	143520	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	562654	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	295022	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	525200	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	377880	20.00	ng	-0.03
87) Perylene-d12	15.44	264	350688	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	892044	104.05	ng	-0.02
7) Phenol-d6	6.46	99	1151641	106.47	ng	-0.03
23) Nitrobenzene-d5	7.38	82	744216	76.35	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	301740	105.49	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1281819	81.38	ng	-0.04
79) Terphenyl-d14	12.92	244	1386131	77.29	ng	-0.04

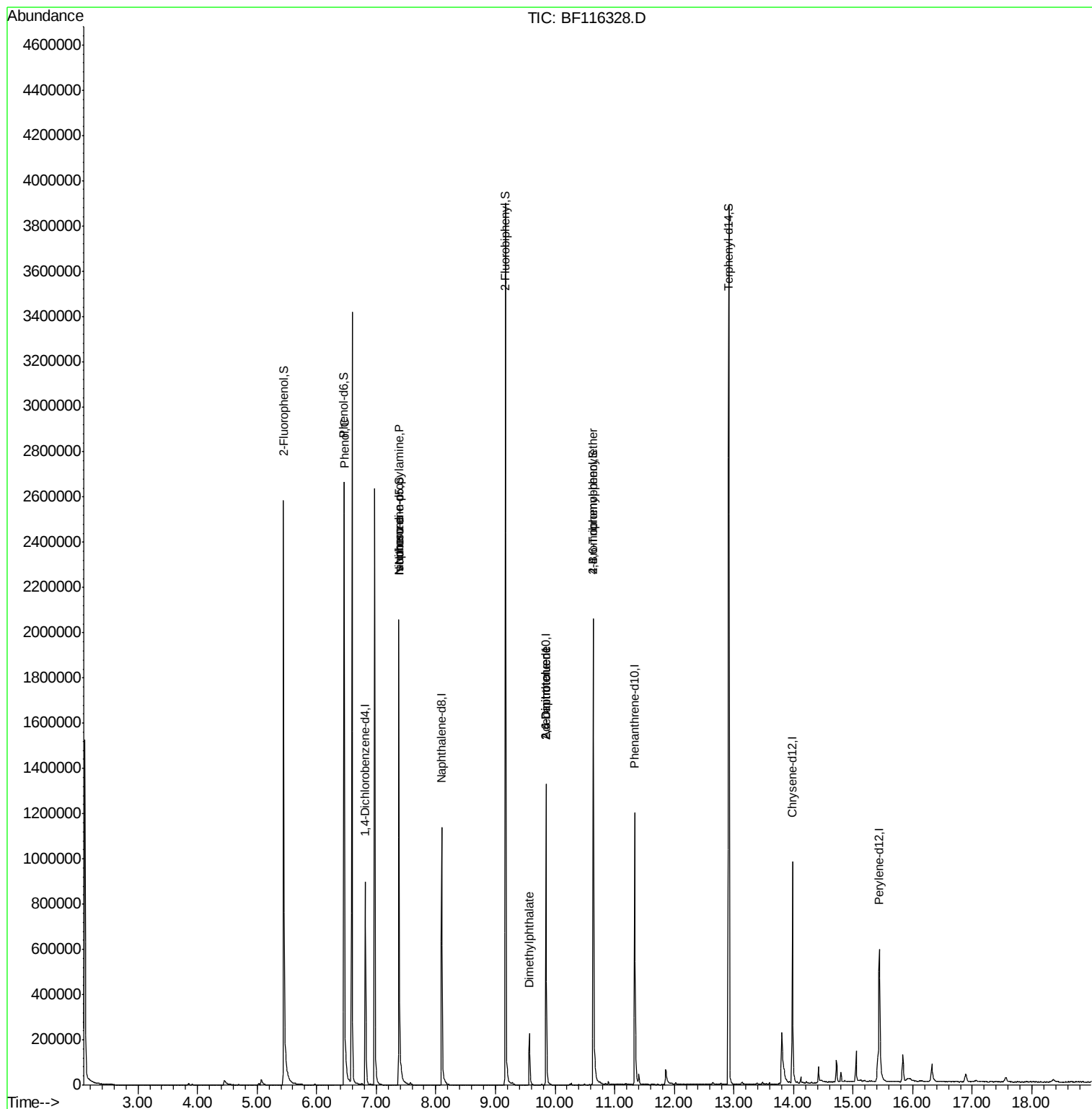
Target Compounds				Qvalue		
10) Phenol	6.47	94	26193	2.056	ng	# 82
19) n-Nitroso-di-n-propylamine	7.38	70	98228	14.655	ng	# 79
25) Isophorone	7.38	82	744265	39.931	ng	# 65
50) Dimethylphthalate	9.57	163	121484	6.048	ng	99
51) 2,6-Dinitrotoluene	9.85	165	37524	8.596	ng	# 29
57) 2,4-Dinitrotoluene	9.85	165	37524	6.456	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	18149	3.228	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: 6.82 min Scan# 804

Delta R.T. -0.03 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

Instrument :

BNA_F

ClientSampleId :

SP-2

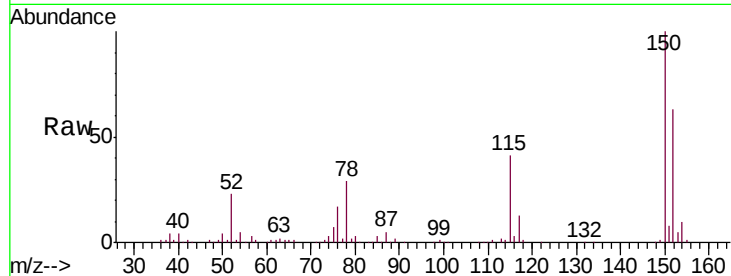
Tgt Ion:152 Resp: 143520

Ion Ratio Lower Upper

152 100

150 158.6 126.2 189.2

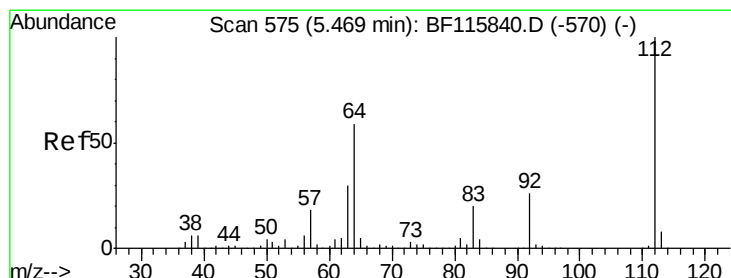
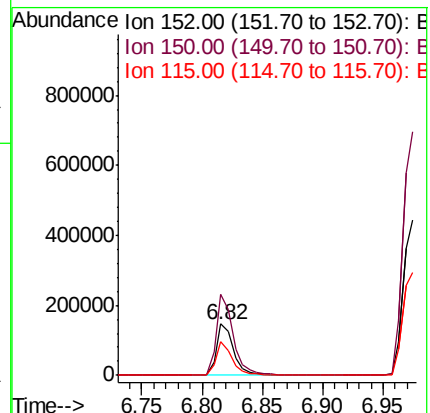
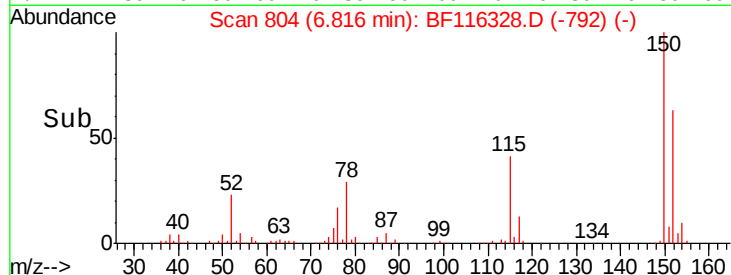
115 65.0 49.9 74.9



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: 104.051 ng

RT: 5.45 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

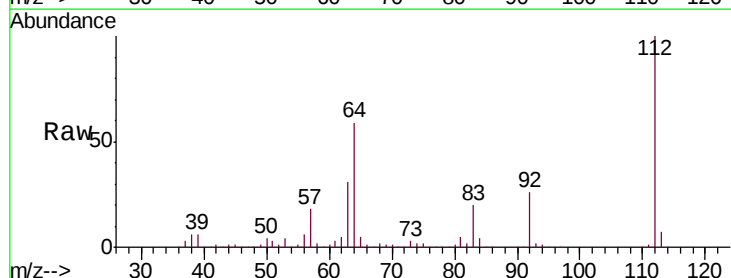
Tgt Ion:112 Resp: 892044

Ion Ratio Lower Upper

112 100

64 58.8 45.4 68.2

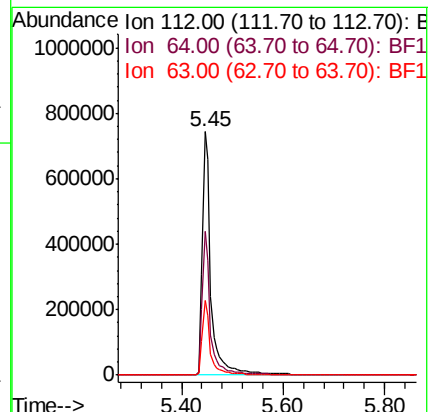
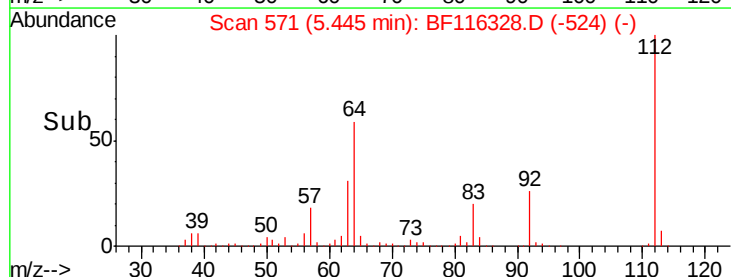
63 30.8 23.7 35.5



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: 106.470 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

Instrument :

BNA_F

ClientSampleId :

SP-2

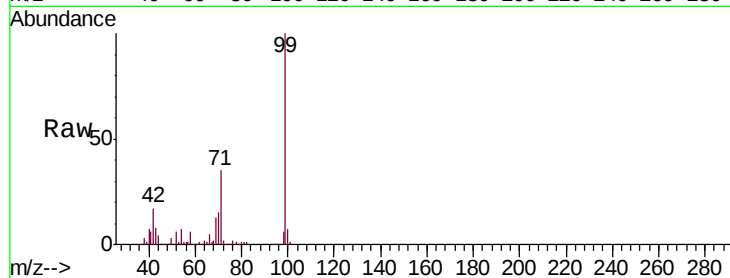
Tgt Ion: 99 Resp: 1151641

Ion Ratio Lower Upper

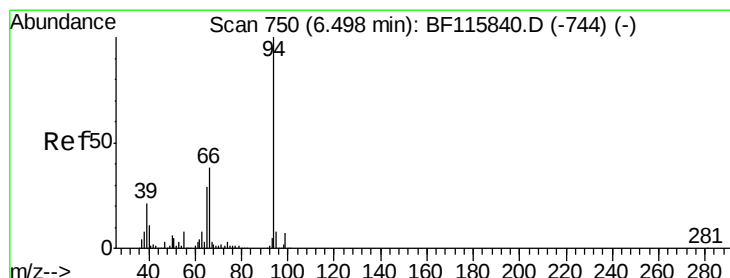
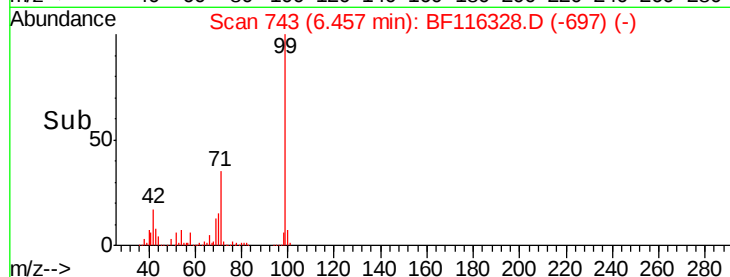
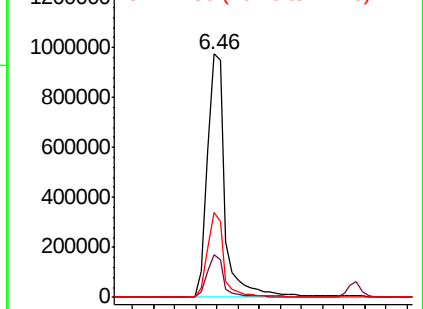
99 100

42 17.3 13.8 20.8

71 34.6 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



#10

Phenol

Concen: 2.056 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

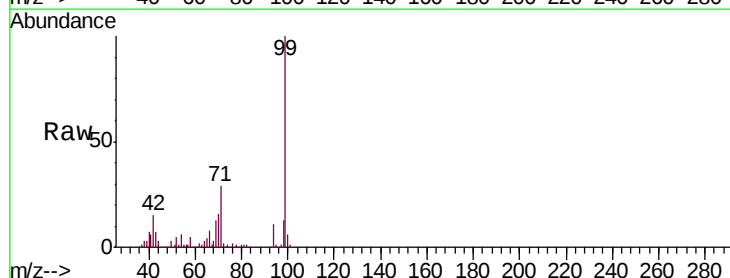
Tgt Ion: 94 Resp: 26193

Ion Ratio Lower Upper

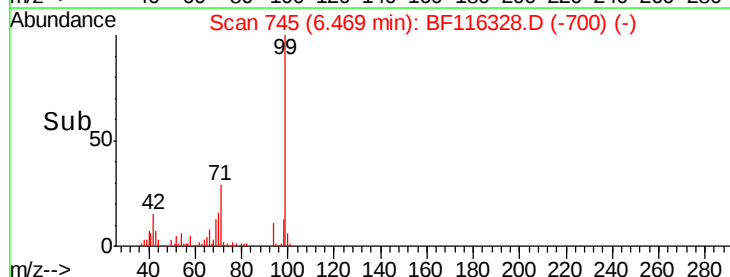
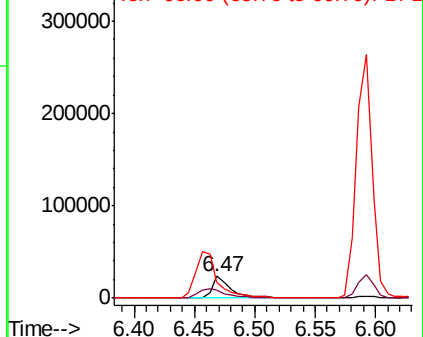
94 100

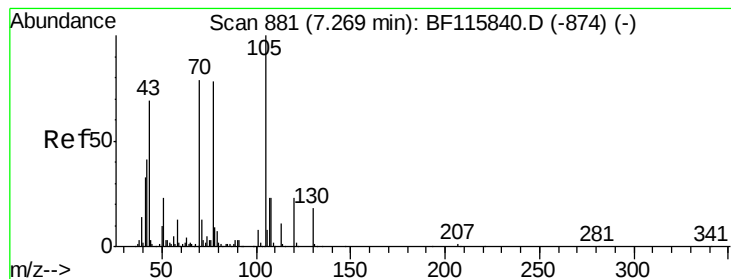
65 37.6 16.8 56.8

66 74.9 34.2 74.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.655 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

Instrument :

BNA_F

ClientSampleId :

SP-2

Tgt Ion: 70 Resp: 98228

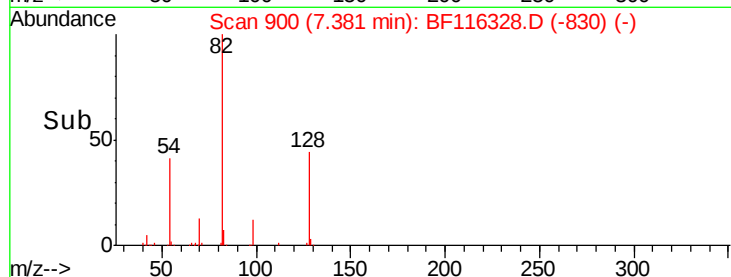
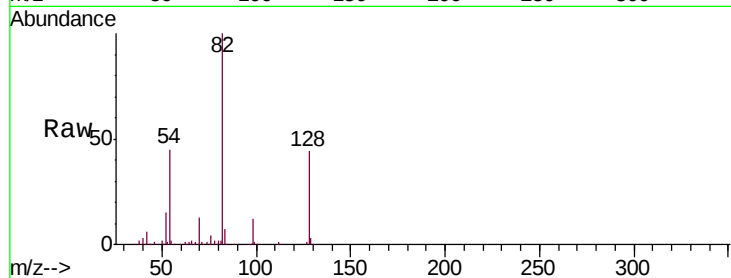
Ion Ratio Lower Upper

70 100

42 42.6 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

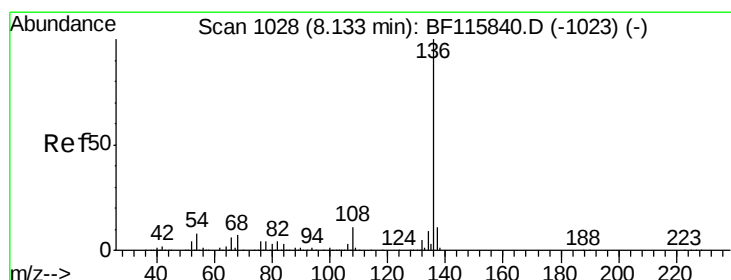
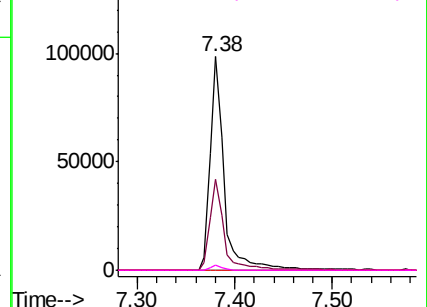


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

Tgt Ion: 136 Resp: 562654

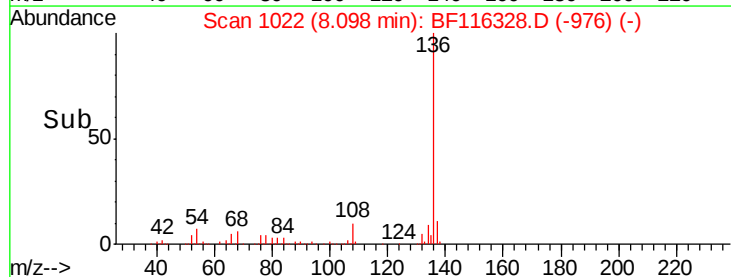
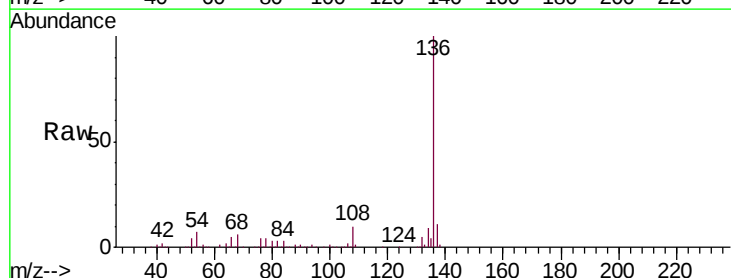
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.2 7.8

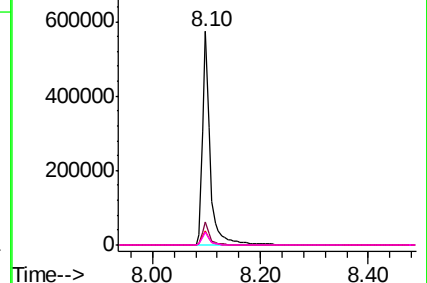


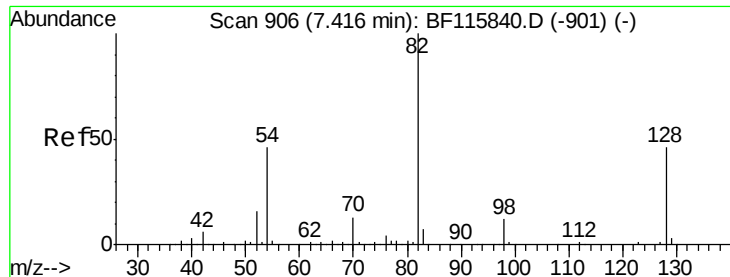
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

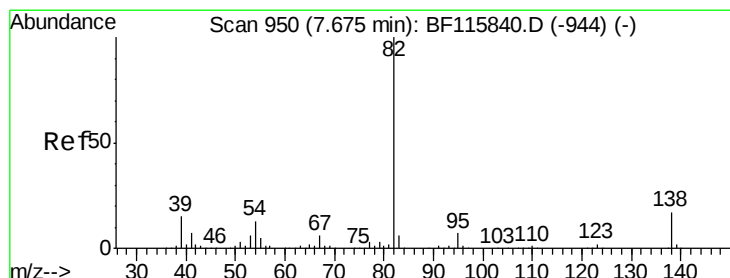
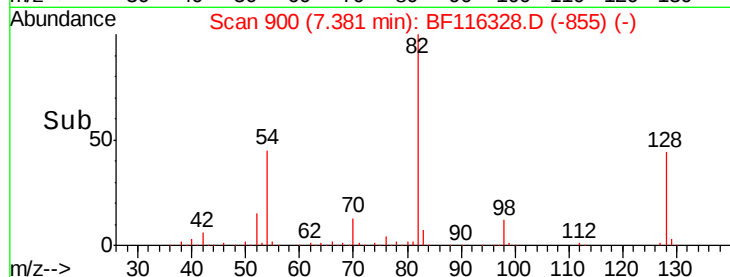
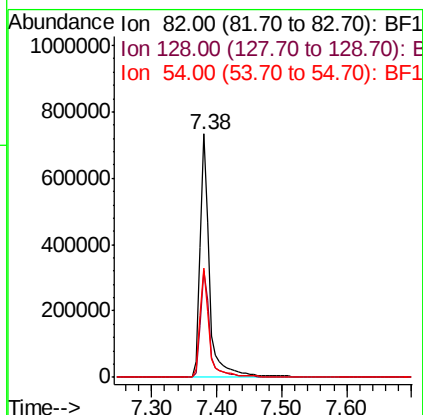
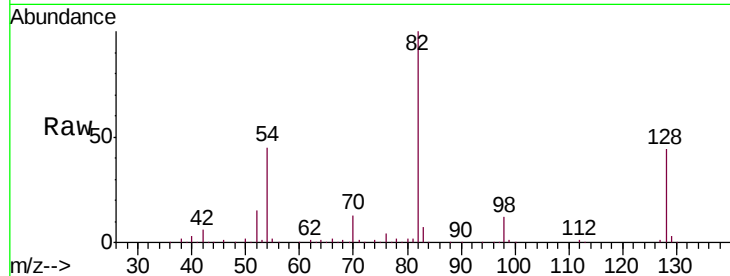




#23
 Nitrobenzene-d5
 Concen: 76.350 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.04 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

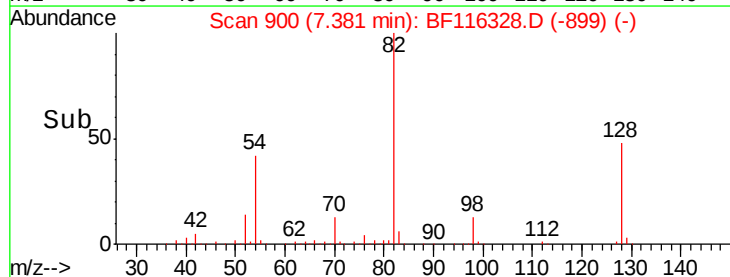
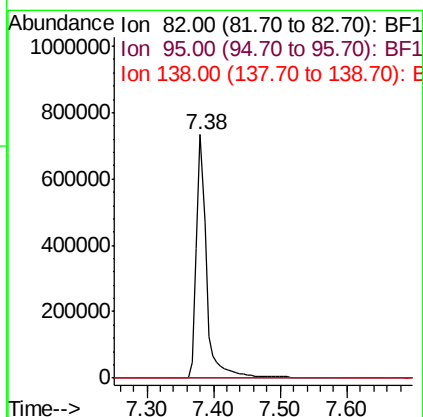
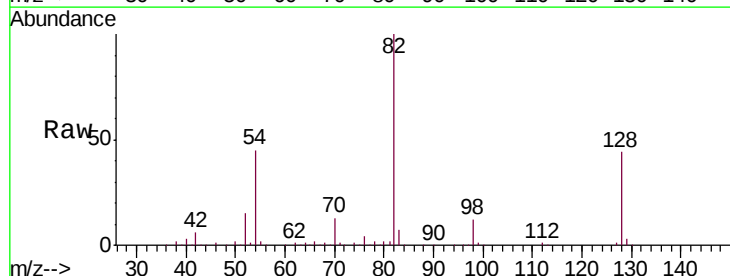
Instrument :
 BNA_F
 ClientSampled :
 SP-2

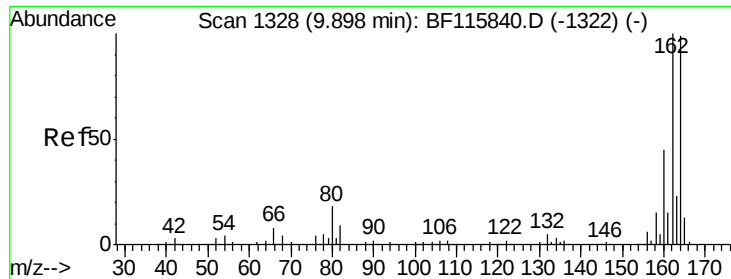
Tgt Ion: 82 Resp: 744216
 Ion Ratio Lower Upper
 82 100
 128 44.0 36.5 54.7
 54 44.9 36.0 54.0



#25
 Isophorone
 Concen: 39.931 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.29 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

Tgt Ion: 82 Resp: 744265
 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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

Instrument :

BNA_F

ClientSampleId :

SP-2

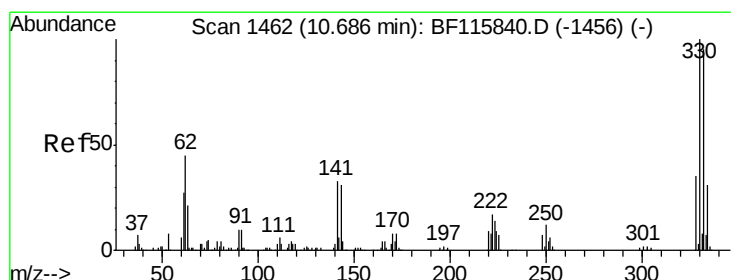
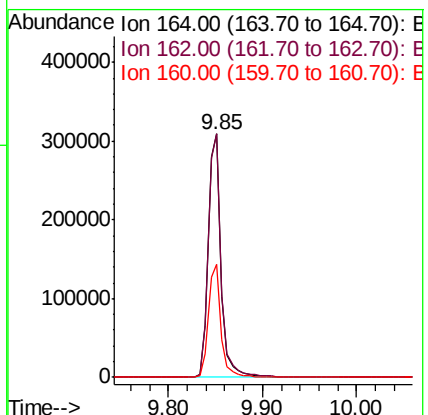
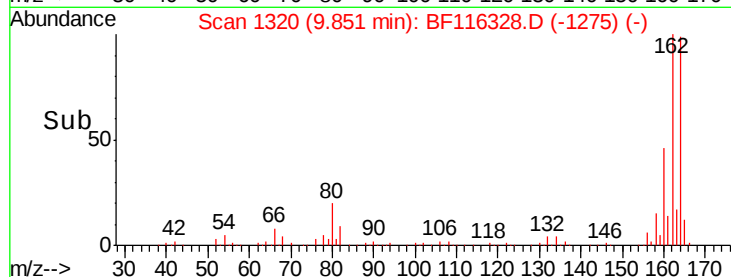
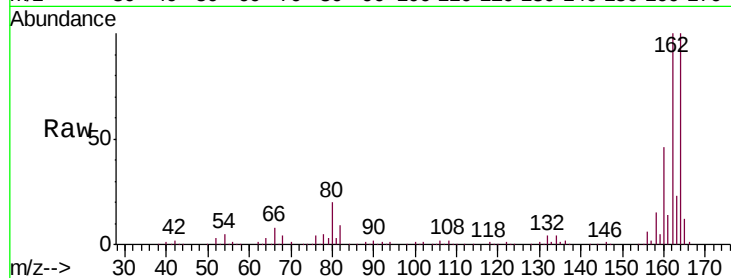
Tgt Ion:164 Resp: 295022

Ion Ratio Lower Upper

164 100

162 99.9 82.6 124.0

160 46.3 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 105.492 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.04 min

Lab File: BF116328.D

Acq: 16 Aug 2019 20:06

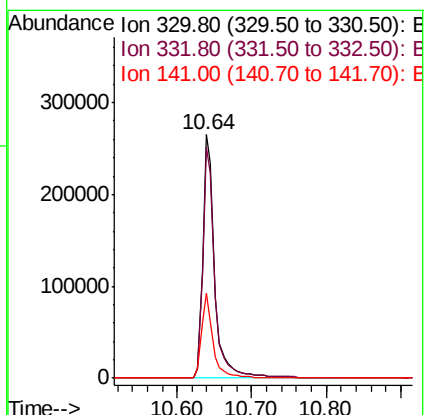
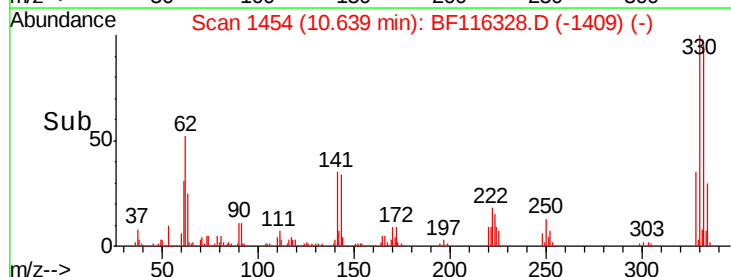
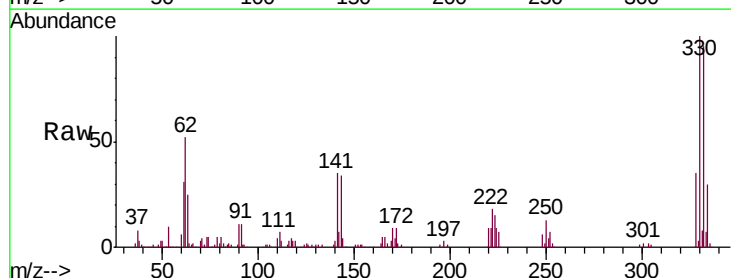
Tgt Ion:330 Resp: 301740

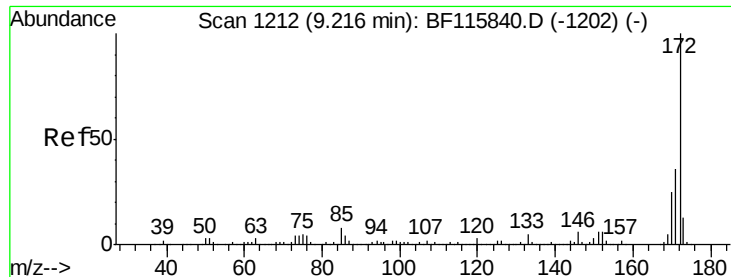
Ion Ratio Lower Upper

330 100

332 96.4 76.8 115.2

141 34.2 26.3 39.5

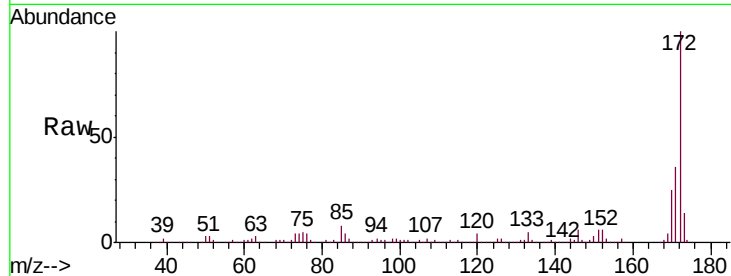




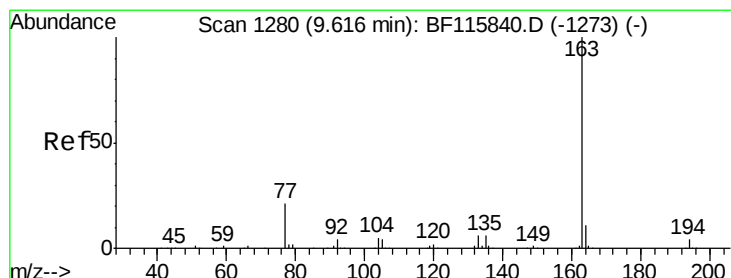
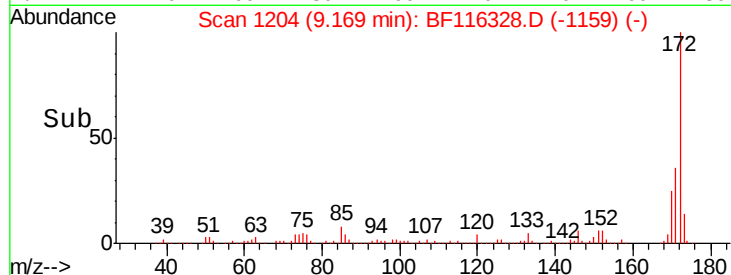
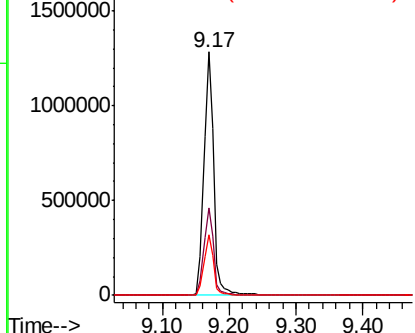
#45
 2-Fluorobiphenyl
 Concen: 81.382 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:172 Resp: 1281819
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.9 20.1 30.1

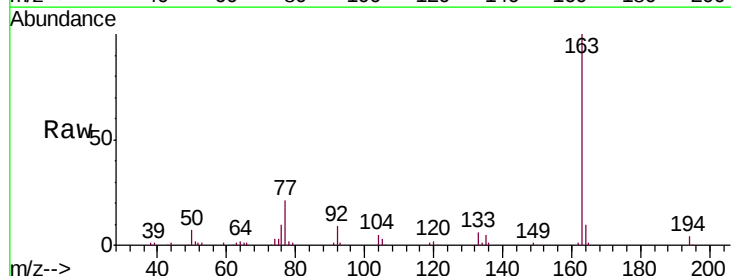


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

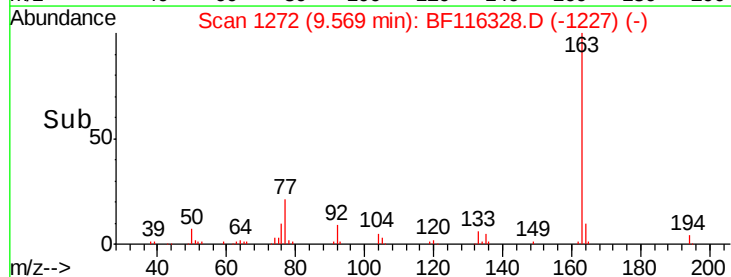
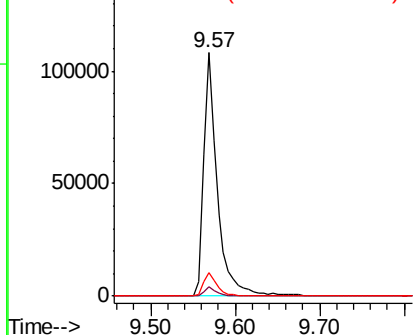


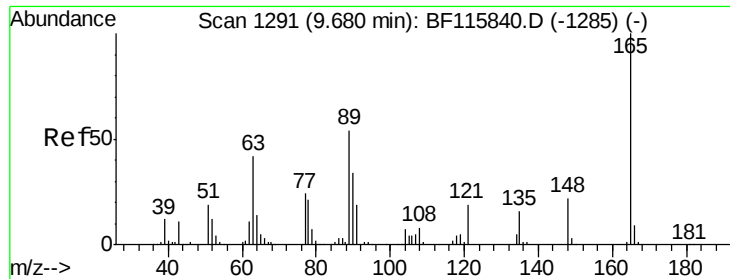
#50
 Dimethylphthalate
 Concen: 6.048 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.04 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

Tgt Ion:163 Resp: 121484
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

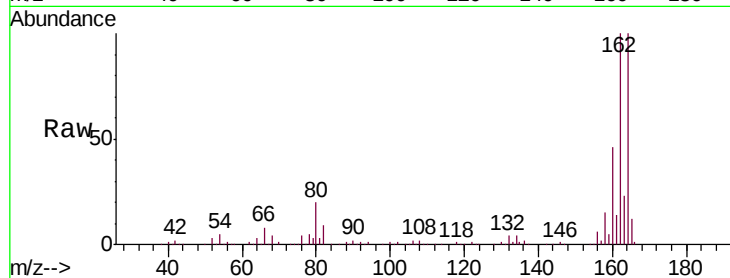




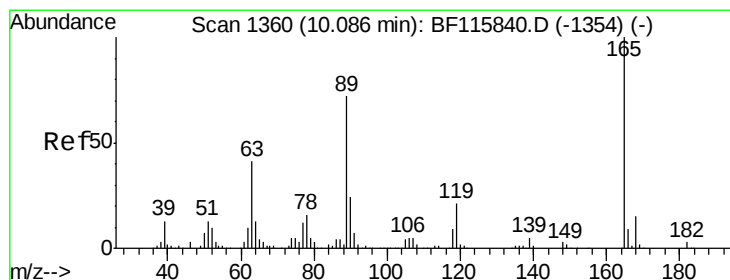
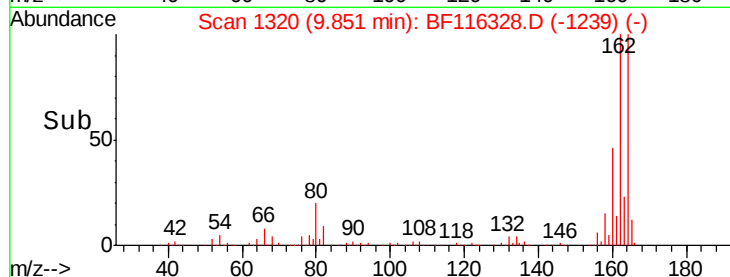
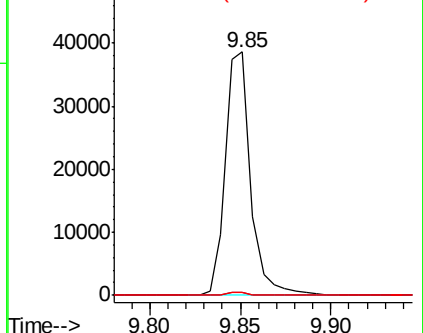
#51
 2,6-Dinitrotoluene
 Concen: 8.596 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.18 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.2	57.2#
89	1.4	42.9	64.3#



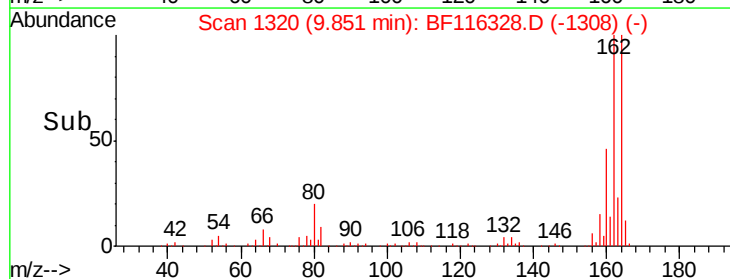
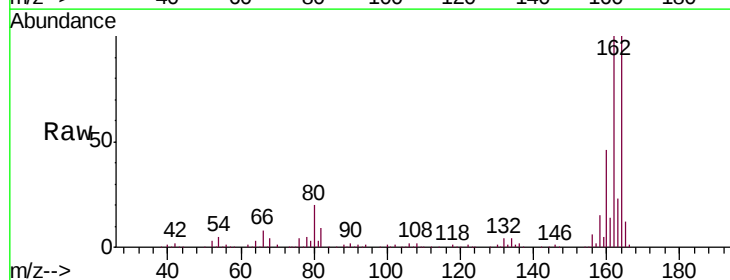
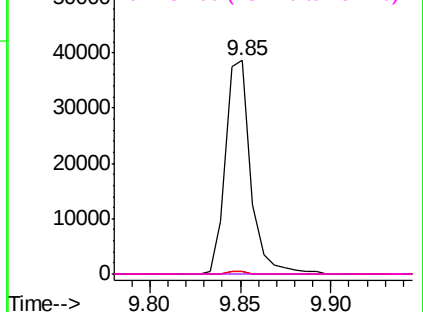
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

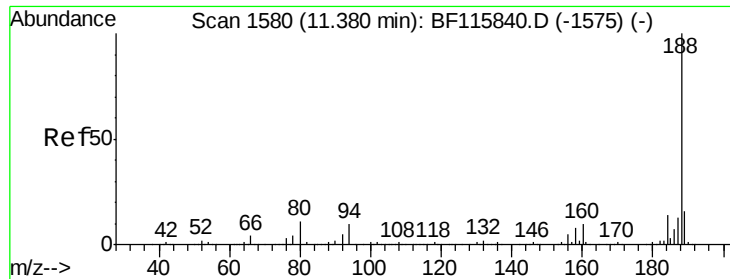


#57
 2,4-Dinitrotoluene
 Concen: 6.456 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	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

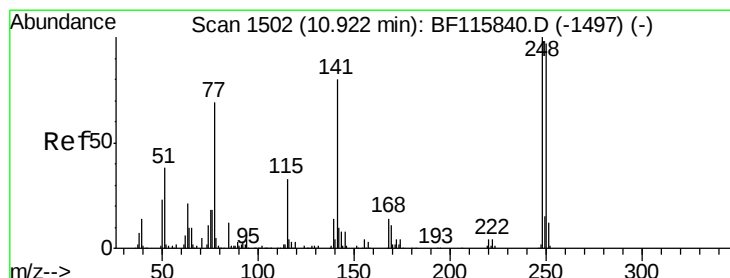
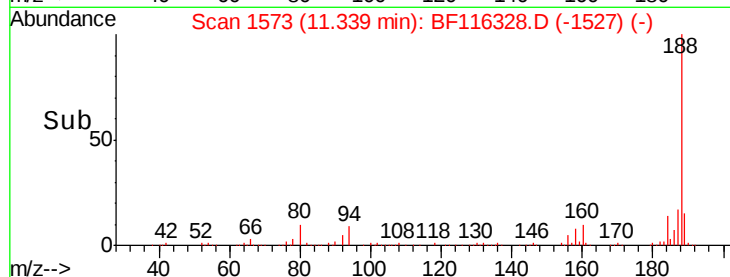
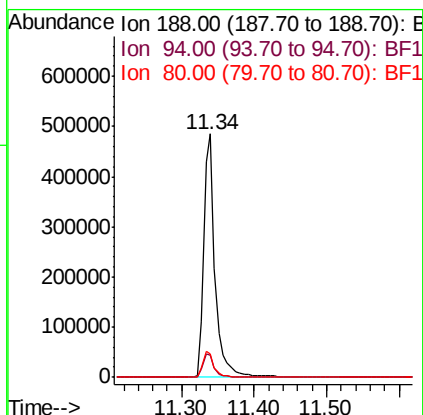
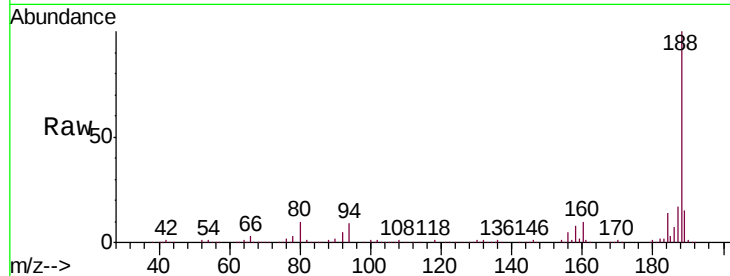




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

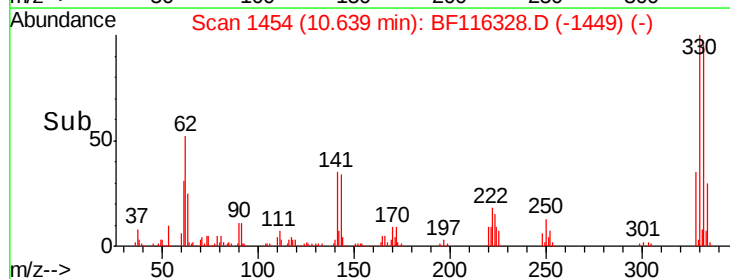
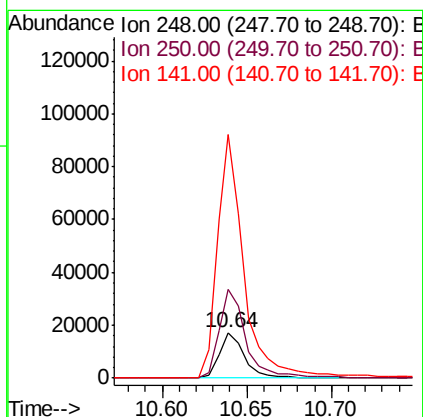
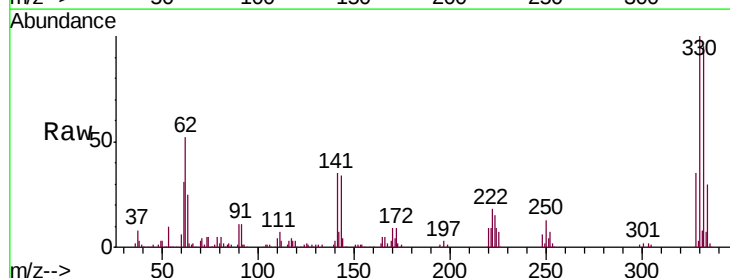
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

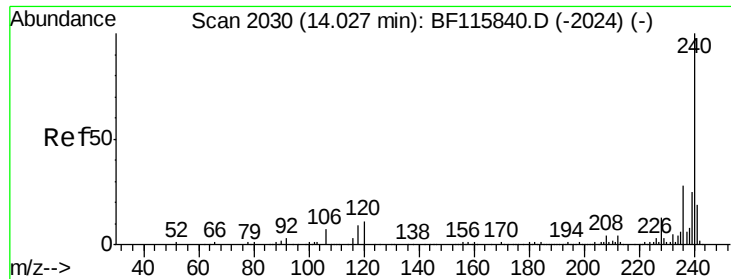
Tgt Ion:188 Resp: 525200
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.1 12.1
 80 9.9 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.228 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.27 min
 Lab File: BF116328.D
 Acq: 16 Aug 2019 20:06

Tgt Ion:248 Resp: 18149
 Ion Ratio Lower Upper
 248 100
 250 194.2 77.4 116.2#
 141 535.0 56.8 85.2#

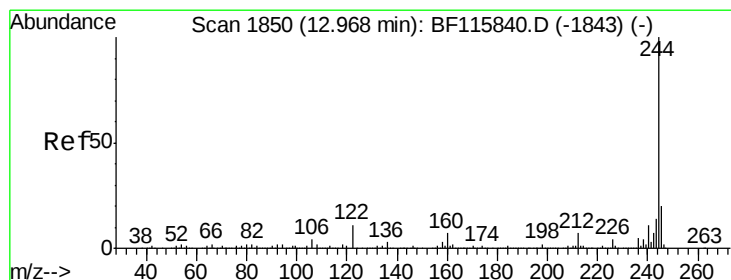
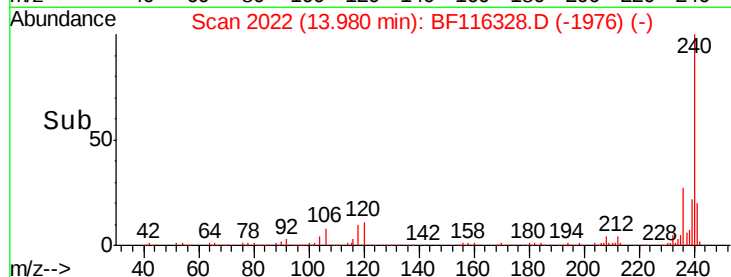
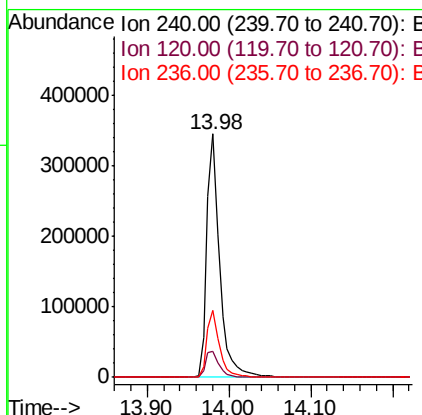
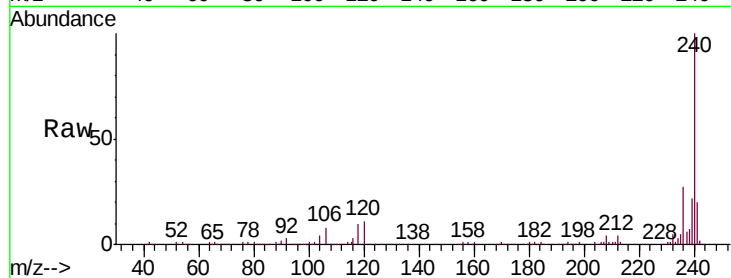




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116328.D
Acq: 16 Aug 2019 20:06

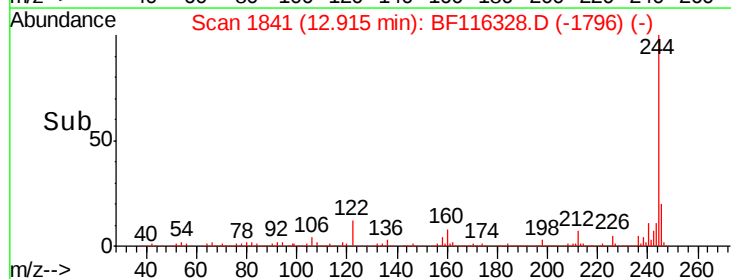
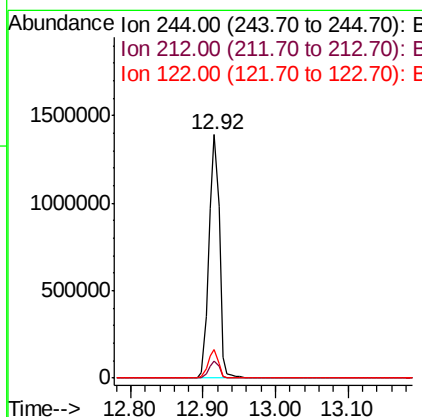
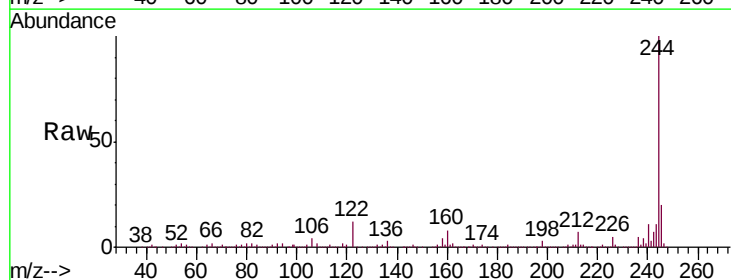
Instrument :
BNA_F
ClientSampleId :
SP-2

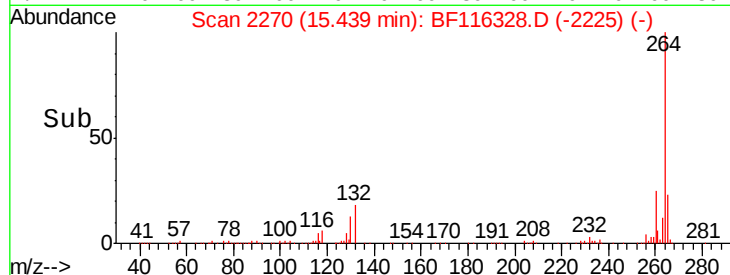
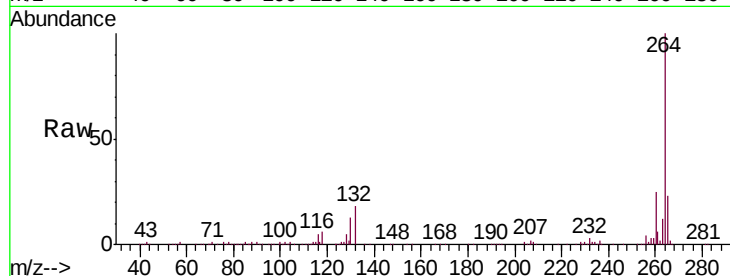
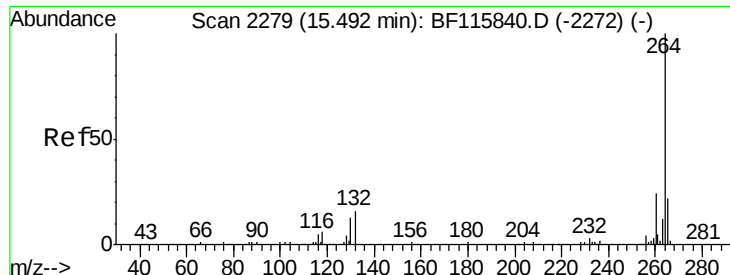
Tgt Ion:240 Resp: 377880
Ion Ratio Lower Upper
240 100
120 10.9 10.7 16.1
236 27.3 22.2 33.2



#79
Terphenyl-d14
Concen: 77.295 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.04 min
Lab File: BF116328.D
Acq: 16 Aug 2019 20:06

Tgt Ion:244 Resp: 1386131
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 11.8 9.0 13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116328.D
Acq: 16 Aug 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:	264	Resp:	350688
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.7	17.4	26.0

