

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116378.D
 Acq On : 18 Aug 2019 5:00
 Operator : HP/JU
 Sample : K4384-01DL 20X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(3.5-4)DL

Quant Time: Aug 19 08:06:24 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	6.81	152	118152	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	474503	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	233397	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	343111	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	222843	20.00	ng	-0.04
87) Perylene-d12	15.43	264	252887	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	2149	0.30	ng	0.09
7) Phenol-d6	6.53	99	11283	1.27	ng	0.04
23) Nitrobenzene-d5	7.43	82	12246	1.49	ng	0.01
42) 2,4,6-Tribromophenol	10.67	330	974	0.43	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	26724	2.14	ng	-0.04
79) Terphenyl-d14	12.90	244	19431	1.84	ng	-0.05

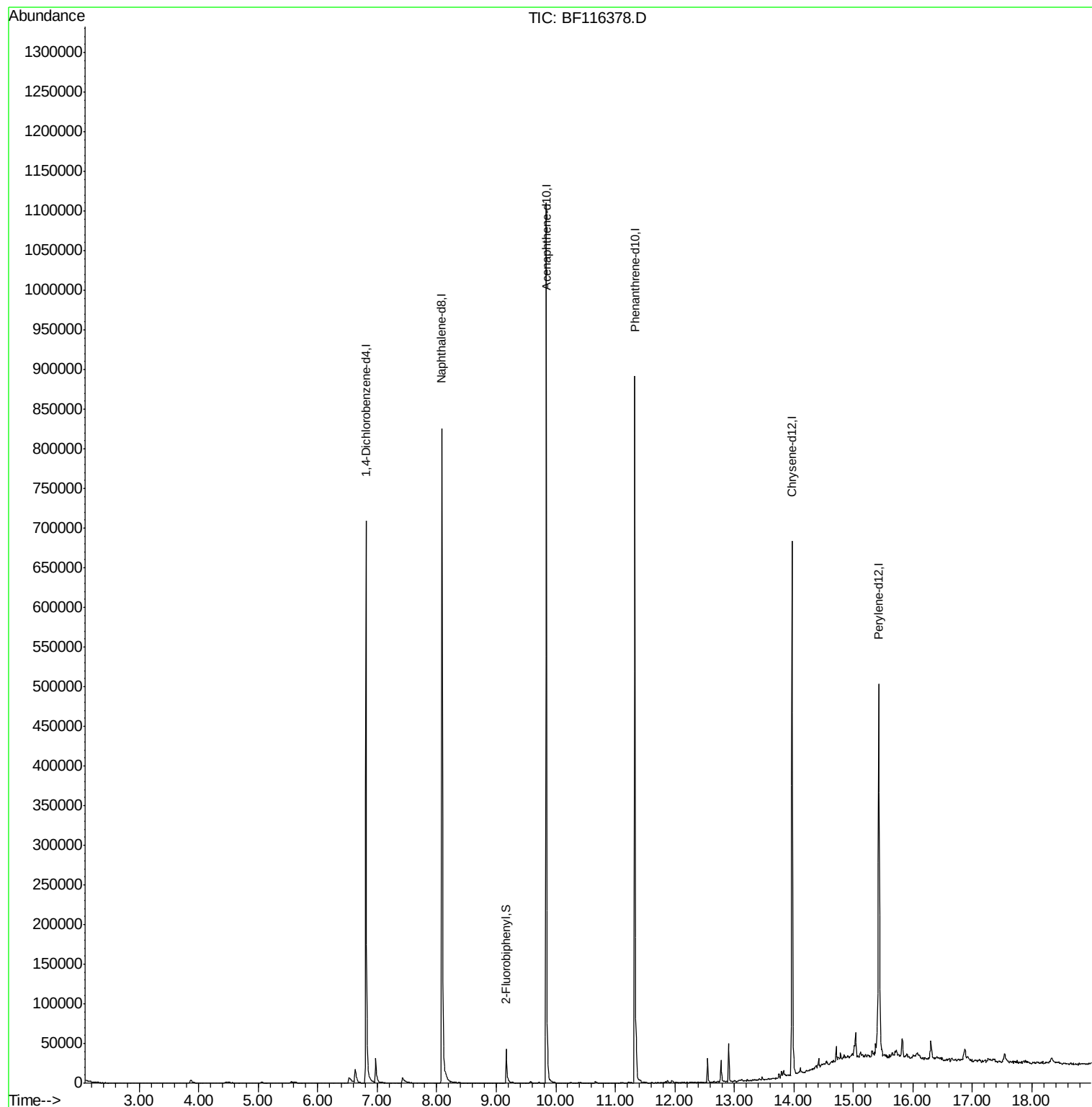
Target Compounds Qvalue

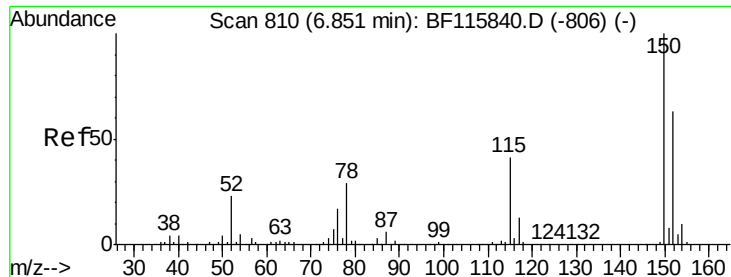
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

Instrument :

BNA_F

ClientSampleId :

B-1(3.5-4)DL

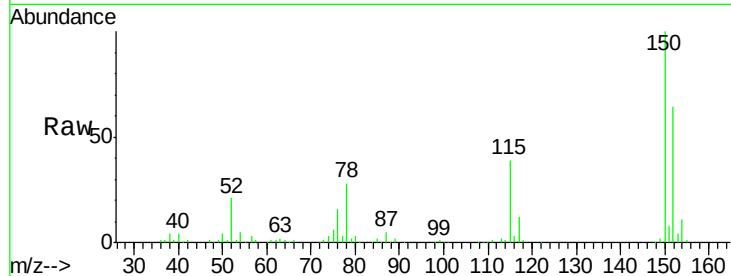
Tot Ion:152 Resp: 118152

Ion Ratio Lower Upper

152 100

150 155.3 126.2 189.2

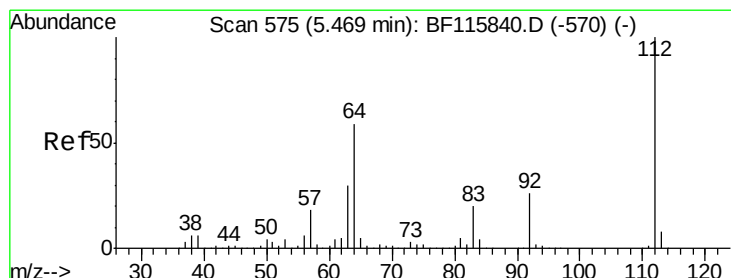
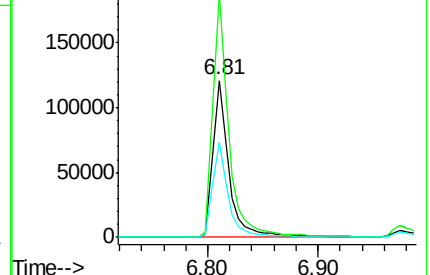
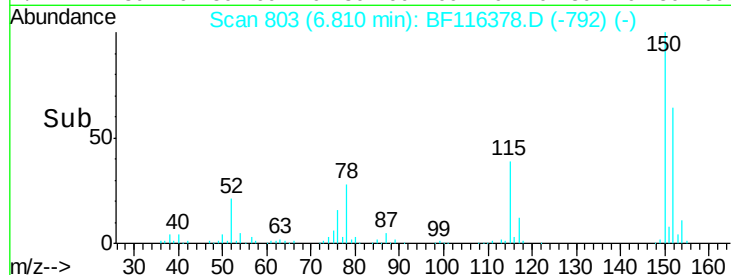
115 61.0 49.9 74.9



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: 0.304 ng

RT: 5.56 min Scan# 590

Delta R.T. 0.09 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

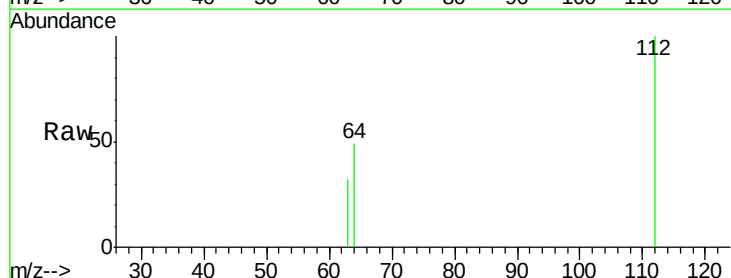
Tgt Ion:112 Resp: 2149

Ion Ratio Lower Upper

112 100

64 48.9 45.4 68.2

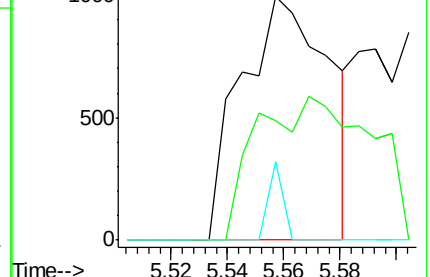
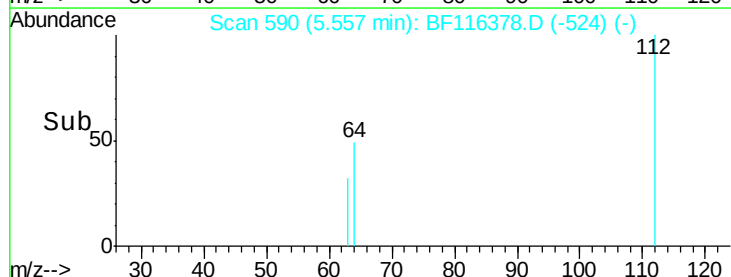
63 32.5 23.7 35.5

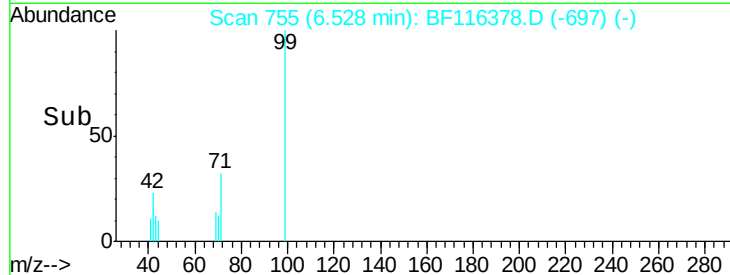
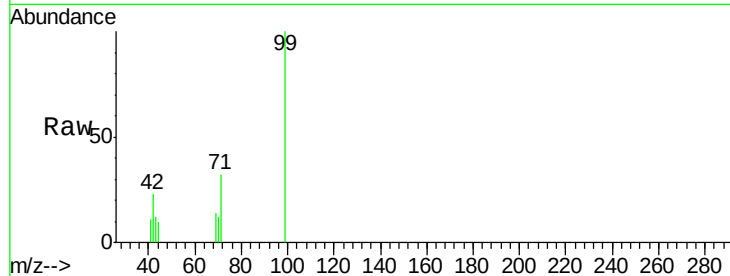
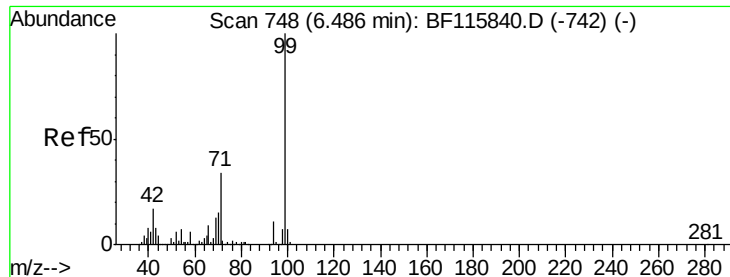


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 1.267 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.04 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

Instrument :

BNA_F

ClientSampleId :

B-1(3.5-4)DL

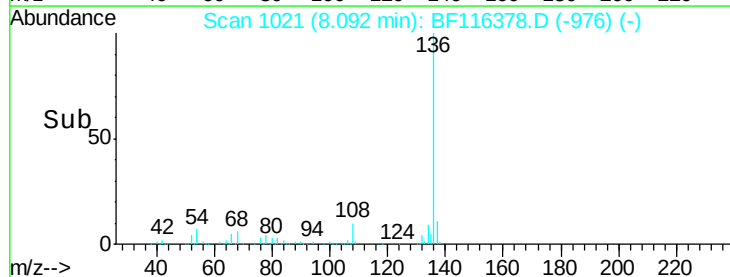
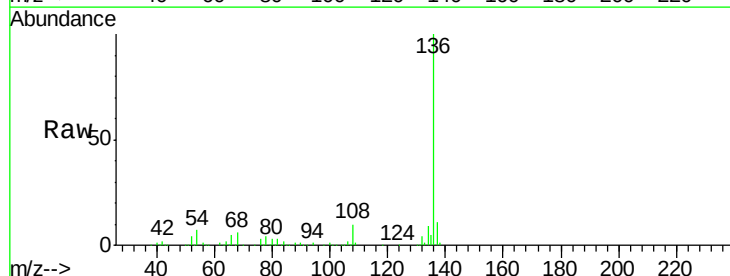
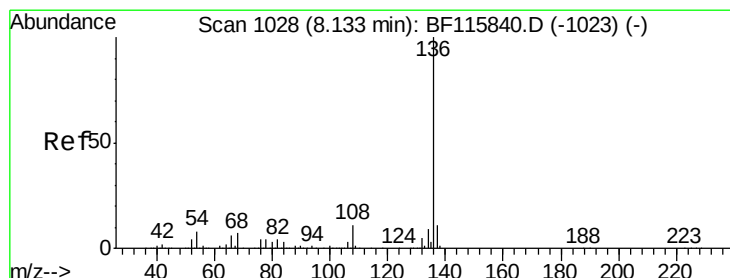
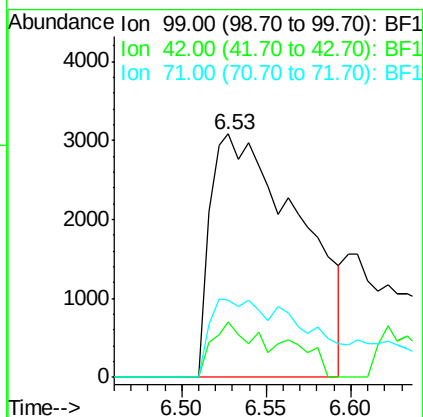
Tot Ion: 99 Resp: 11283

Ion Ratio Lower Upper

99 100

42 22.8 13.8 20.8#

71 31.7 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.04 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

Tgt Ion: 136 Resp: 474503

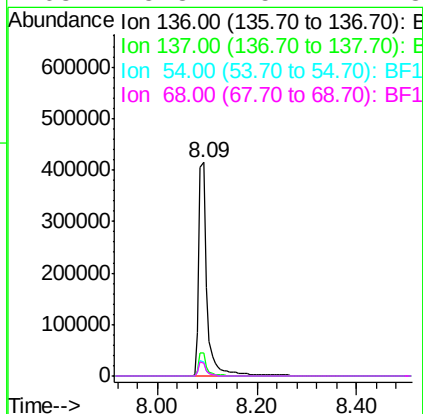
Ion Ratio Lower Upper

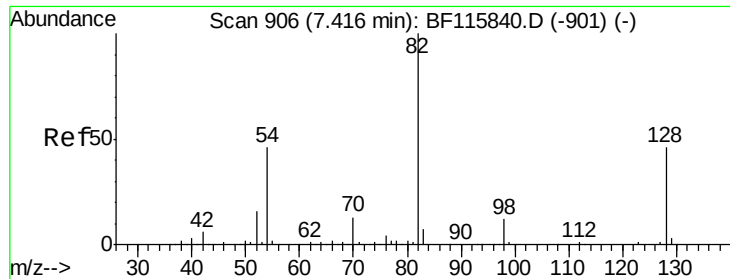
136 100

137 10.7 9.0 13.4

54 6.7 5.8 8.6

68 5.8 5.2 7.8

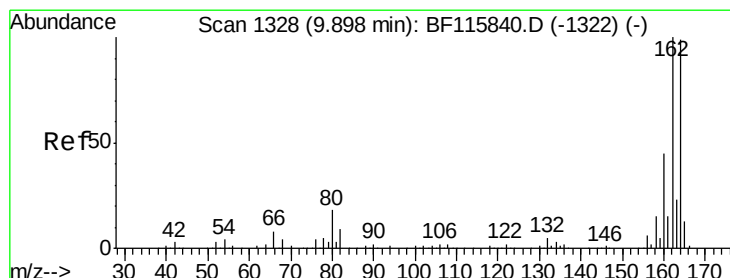
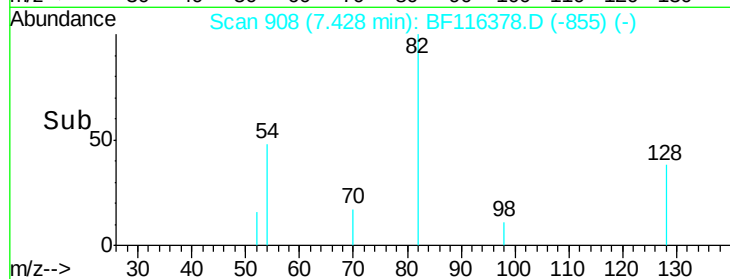
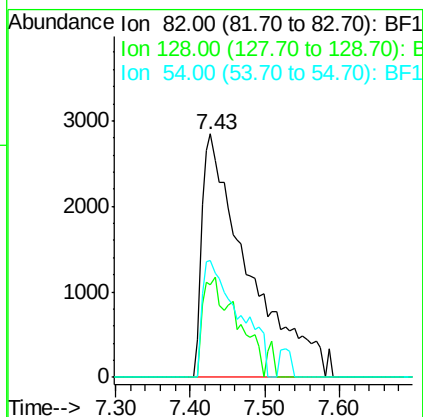
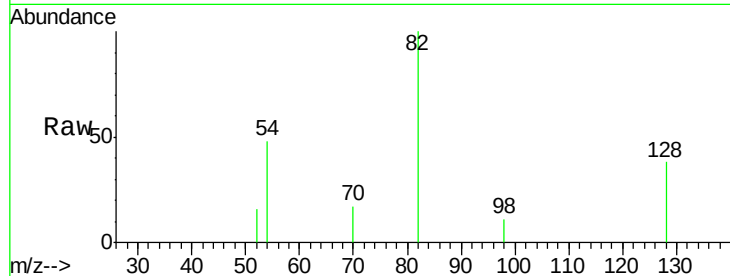




#23
 Nitrobenzene-d5
 Concen: 1.490 ng
 RT: 7.43 min Scan# 908
 Delta R.T. 0.01 min
 Lab File: BF116378.D
 Acq: 18 Aug 2019 5:00

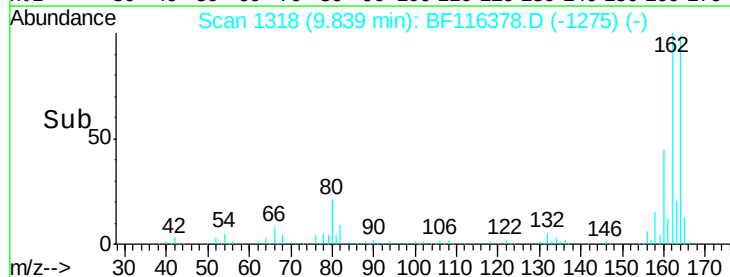
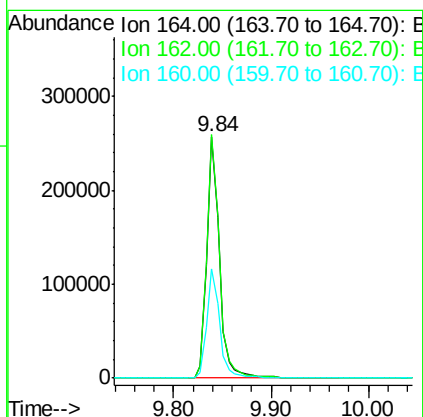
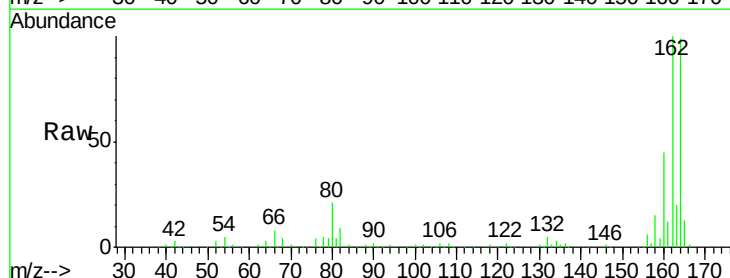
Instrument :
 BNA_F
 ClientSampleId :
 B-1(3.5-4)DL

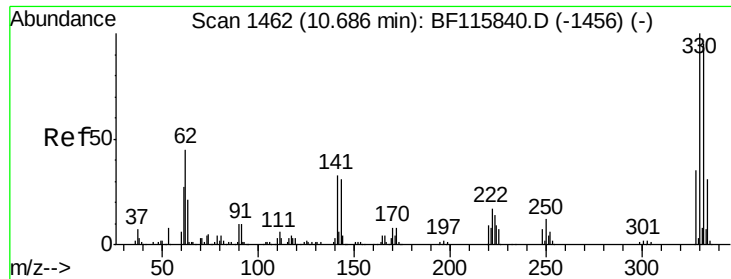
Tot Ion: 82 Resp: 12246
 Ion Ratio Lower Upper
 82 100
 128 37.8 36.5 54.7
 54 47.9 36.0 54.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF116378.D
 Acq: 18 Aug 2019 5:00

Tgt Ion: 164 Resp: 233397
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.6 124.0
 160 45.4 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 0.430 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

Instrument :

BNA_F

ClientSampleId :

B-1(3.5-4)DL

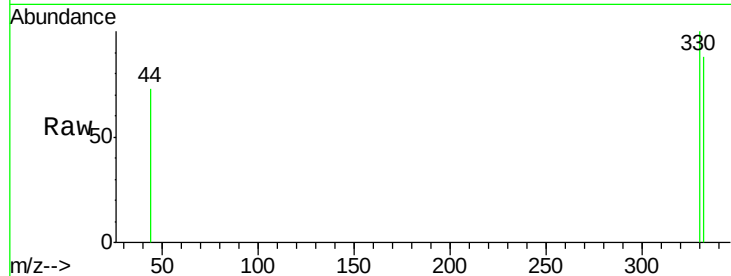
Tot Ion:330 Resp: 974

Ion Ratio Lower Upper

330 100

332 82.8 76.8 115.2

141 0.0 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

10.67

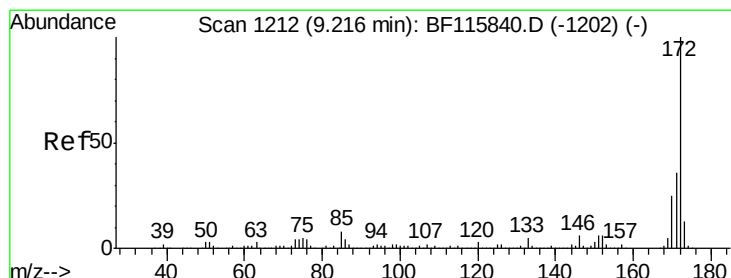
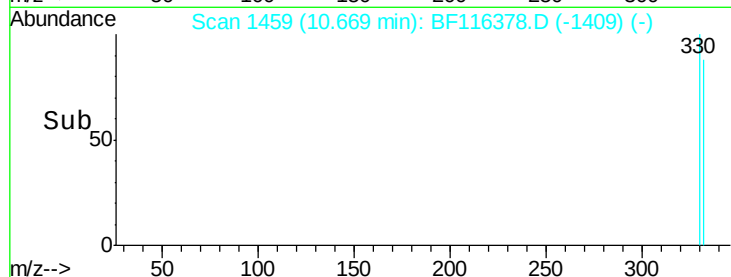
600

400

200

0

Time-->



#45

2-Fluorobiphenyl

Concen: 2.145 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

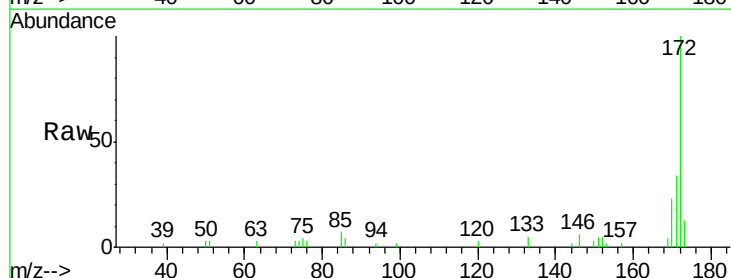
Tgt Ion:172 Resp: 26724

Ion Ratio Lower Upper

172 100

171 33.6 29.6 44.4

170 22.8 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

9.17

20000

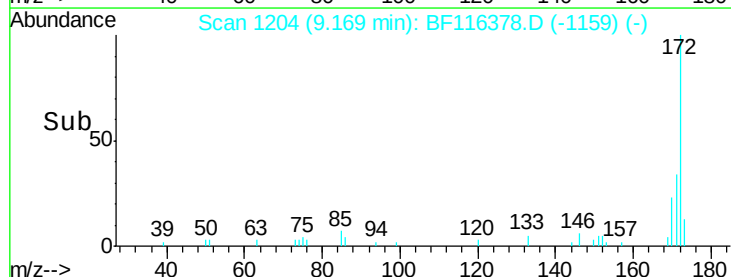
15000

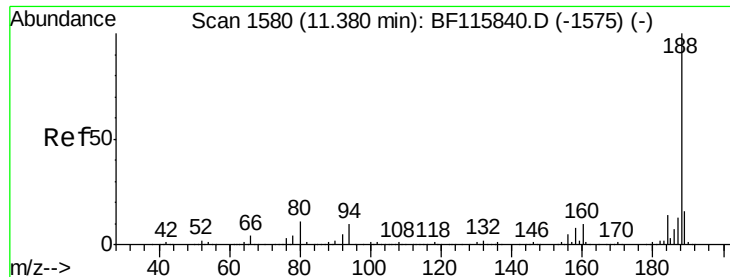
10000

5000

0

Time-->

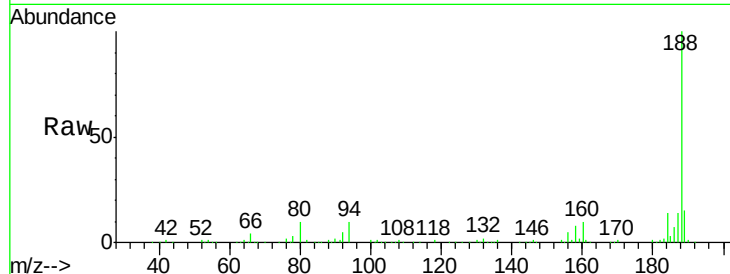




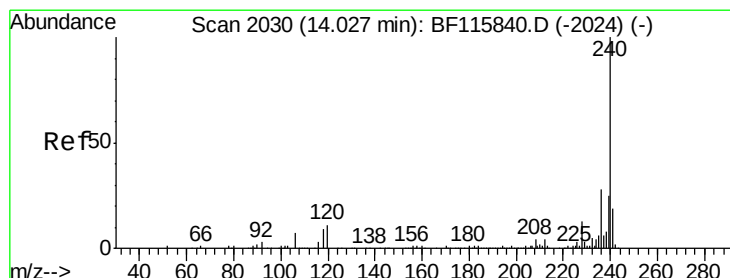
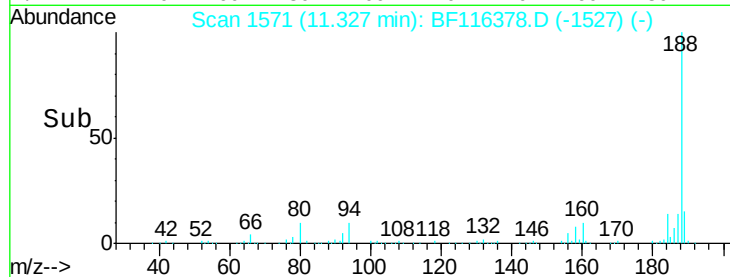
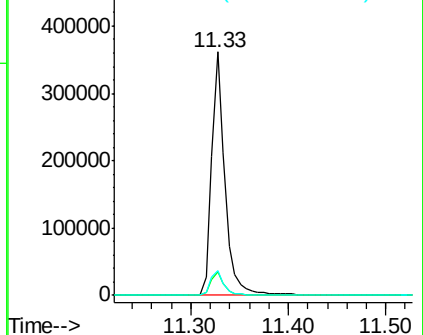
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.04 min
Lab File: BF116378.D
Acq: 18 Aug 2019 5:00

Instrument :
BNA_F
ClientSampleId :
B-1(3.5-4)DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.4	8.7	13.1

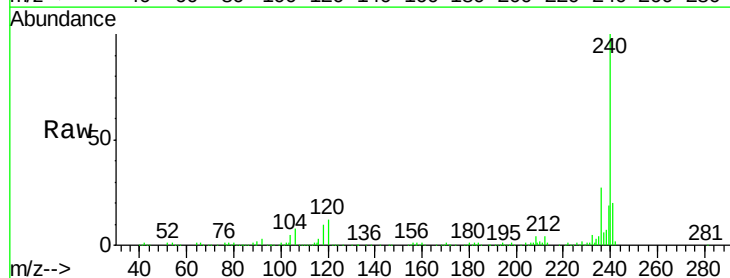


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

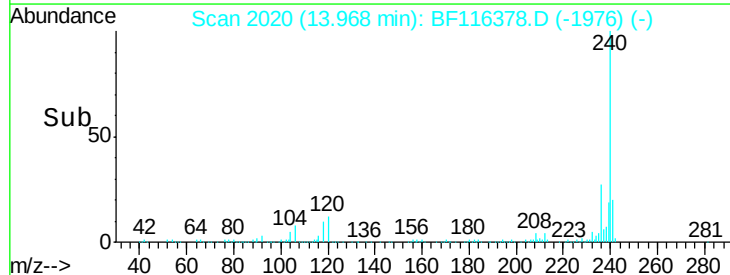
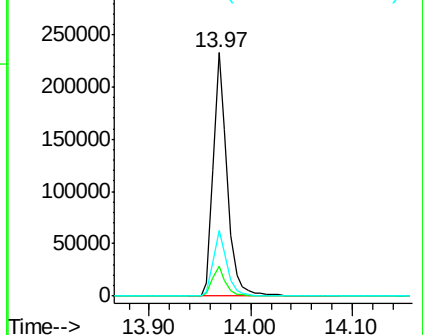


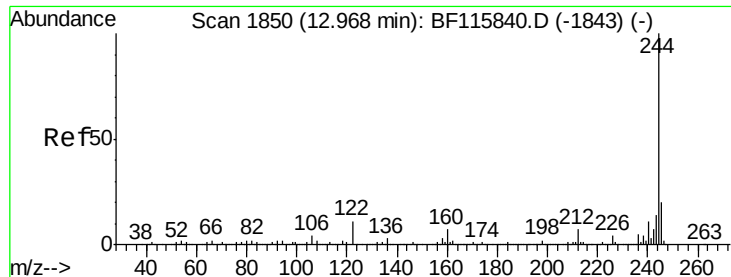
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116378.D
Acq: 18 Aug 2019 5:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.7	16.1
236	26.9	22.2	33.2



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: 1.837 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.05 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

Instrument :

BNA_F

ClientSampleId :

B-1(3.5-4)DL

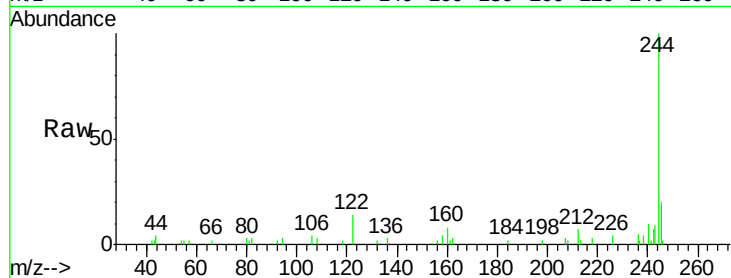
Tot Ion:244 Resp: 19431

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

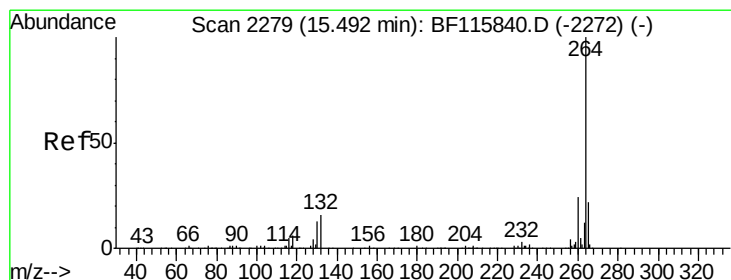
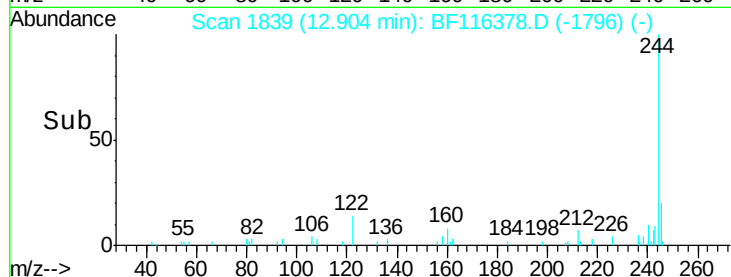
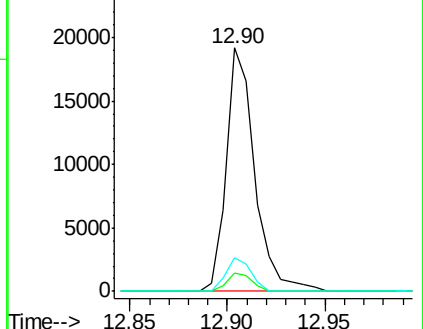
122 13.8 9.0 13.4#



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: 15.43 min Scan# 2268

Delta R.T. -0.05 min

Lab File: BF116378.D

Acq: 18 Aug 2019 5:00

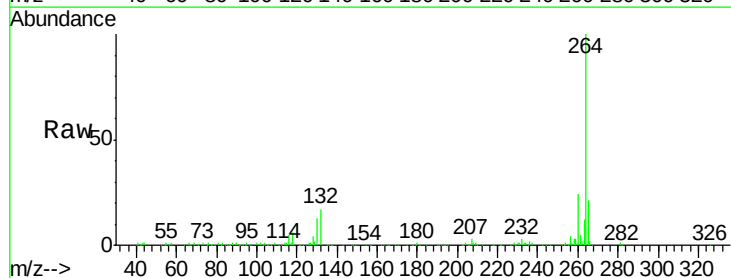
Tgt Ion:264 Resp: 252887

Ion Ratio Lower Upper

264 100

260 24.1 19.7 29.5

265 21.1 17.4 26.0



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

