

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF119998.D
 Acq On : 15 Apr 2020 17:16
 Operator : MA/SJ
 Sample : L2245-33
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Quant Time: Apr 16 02:33:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 11:01:23 2020
 Response via : Initial Calibration

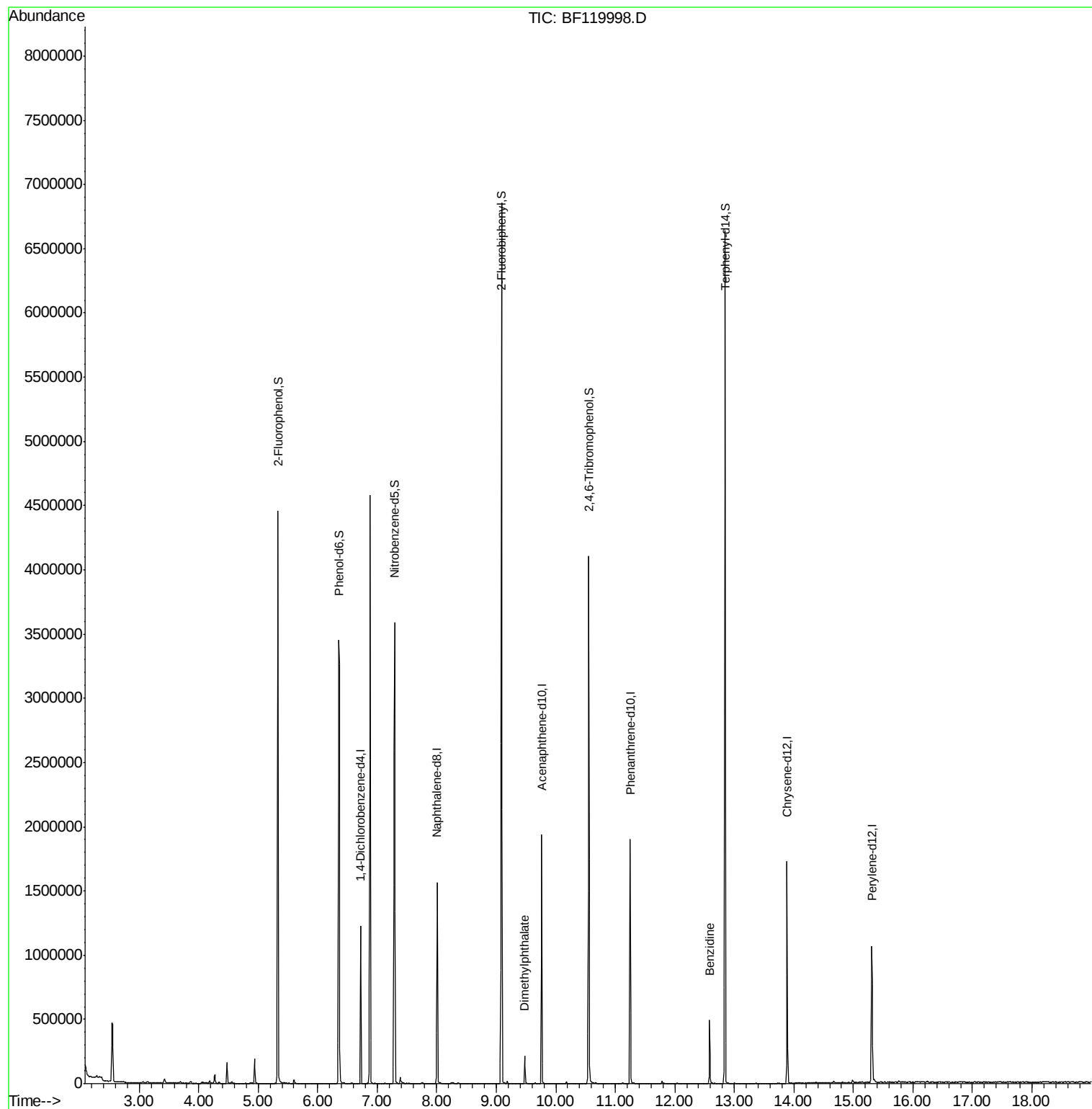
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	174131	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	672698	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	362095	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	717761	20.00	ng	0.00
76) Chrysene-d12	13.89	240	574055	20.00	ng	-0.01
87) Perylene-d12	15.31	264	477737	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1203469	119.44	ng	0.00
7) Phenol-d6	6.36	99	1389899	107.05	ng	-0.01
23) Nitrobenzene-d5	7.29	82	1147374	88.24	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	497580	112.24	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2164672	84.88	ng	0.00
79) Terphenyl-d14	12.84	244	2668642	78.22	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	78326	2.797	ng	97
77) Benzidine	12.59	184	175027	9.020	ng	97

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

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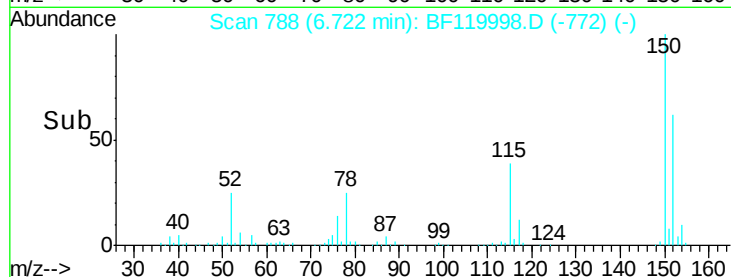
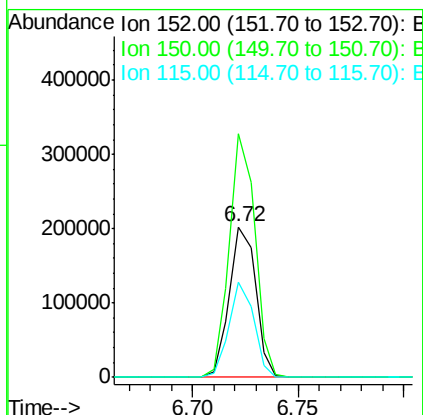
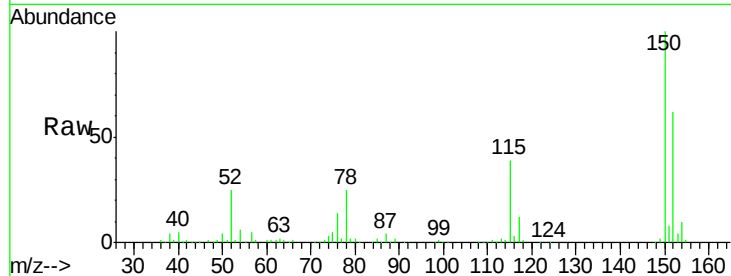


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Instrument :
BNA_F
ClientSampleId :
TP-28

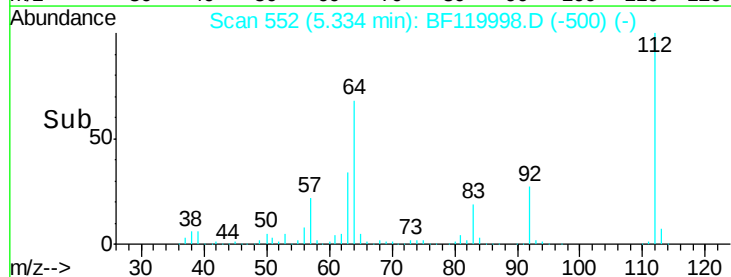
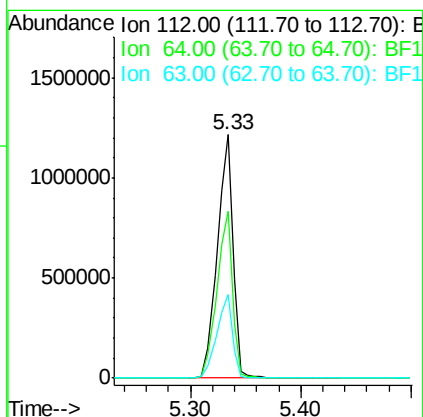
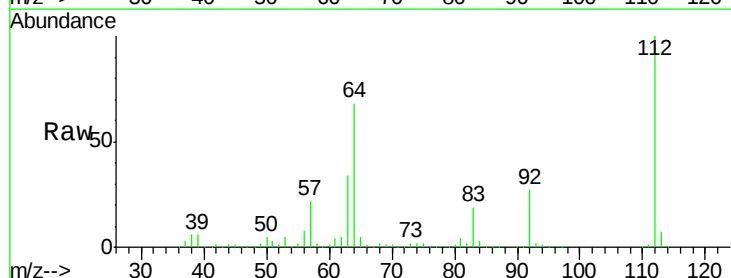
Tot Ion:152 Resp: 174131
Ion Ratio Lower Upper
152 100
150 161.8 124.8 187.2
115 63.5 46.5 69.7



#5

2-Fluorophenol
Concen: 119.440 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Tgt Ion:112 Resp: 1203469
Ion Ratio Lower Upper
112 100
64 68.3 55.5 83.3
63 34.5 29.1 43.7





#7

Phenol-d6

Concen: 107.052 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Instrument :

BNA_F

ClientSampleId :

TP-28

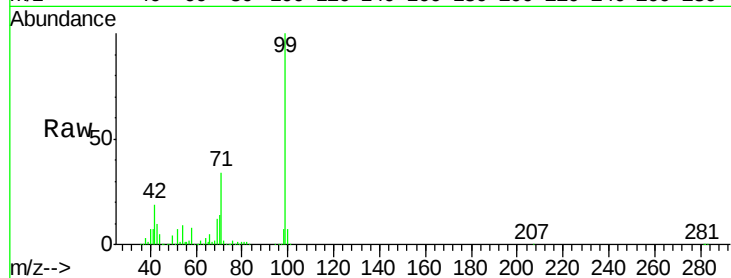
Tot Ion: 99 Resp: 1389899

Ion Ratio Lower Upper

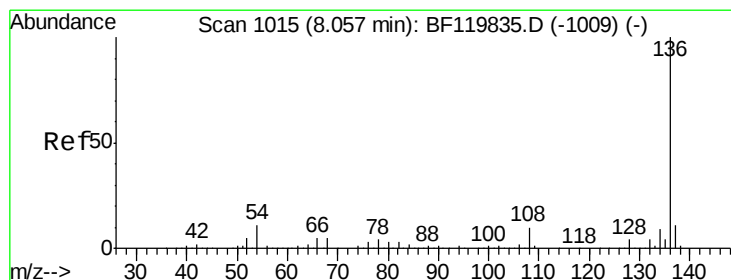
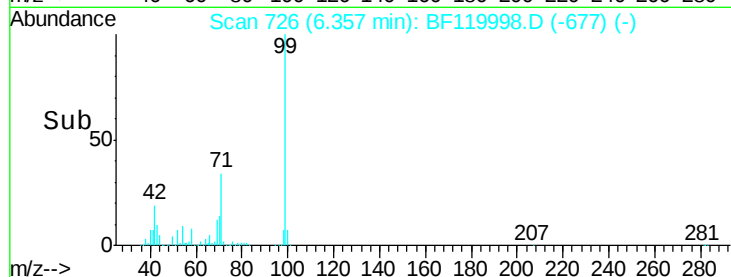
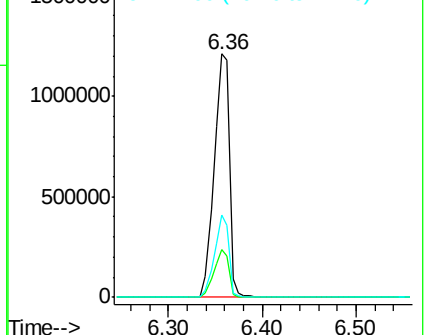
99 100

42 19.4 16.9 25.3

71 33.7 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Tgt Ion: 136 Resp: 672698

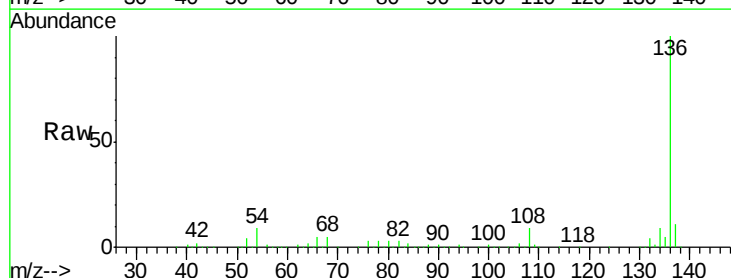
Ion Ratio Lower Upper

136 100

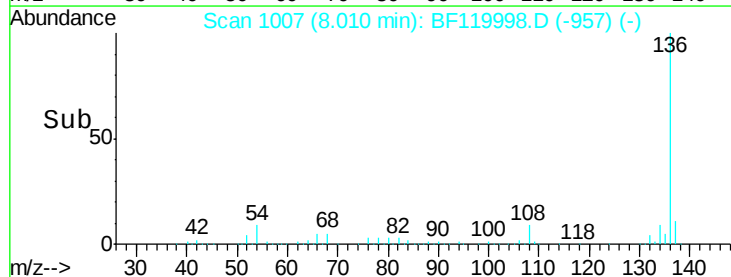
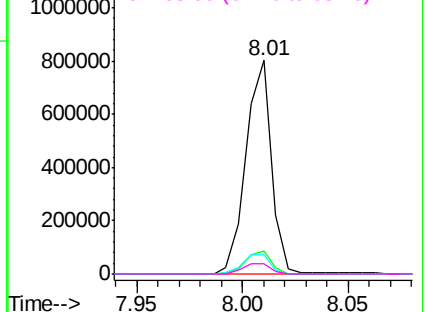
137 10.9 8.7 13.1

54 9.1 8.5 12.7

68 5.1 3.9 5.9



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

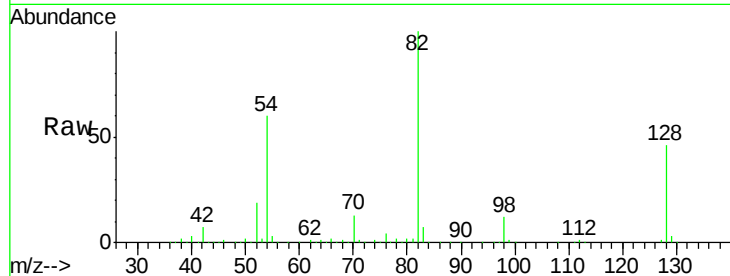




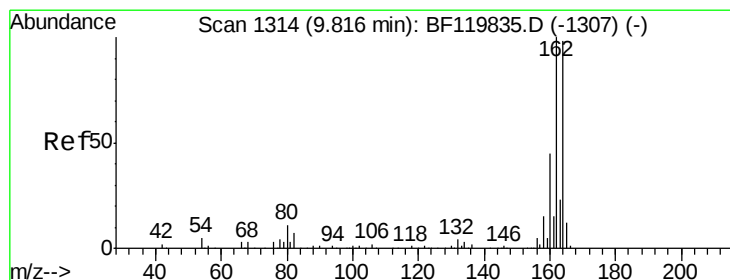
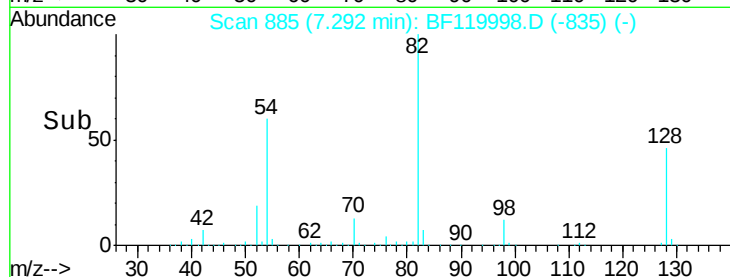
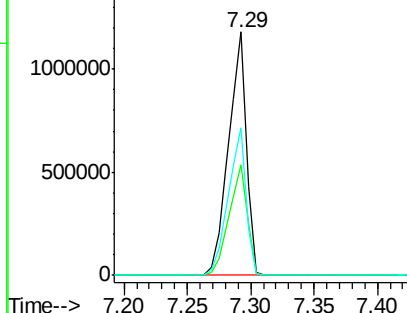
#23
 Nitrobenzene-d5
 Concen: 88.238 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Tot Ion: 82 Resp: 1147374
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.2 54.4
 54 60.5 50.4 75.6

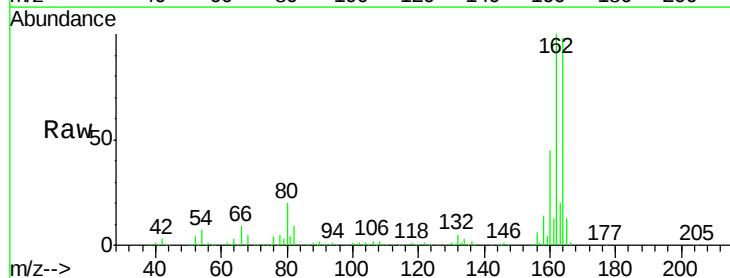


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

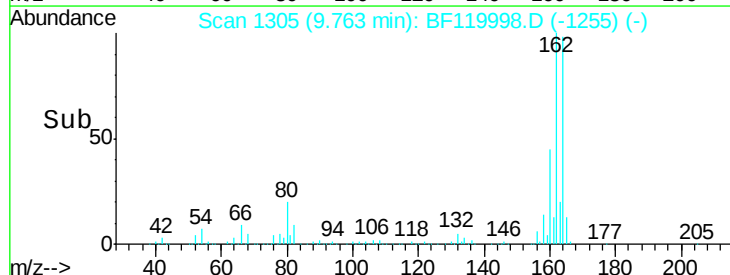
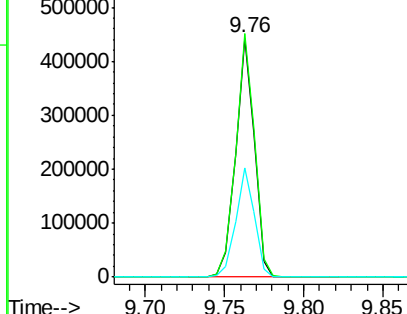


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Tgt Ion:164 Resp: 362095
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.9 122.9
 160 45.7 36.6 54.8



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

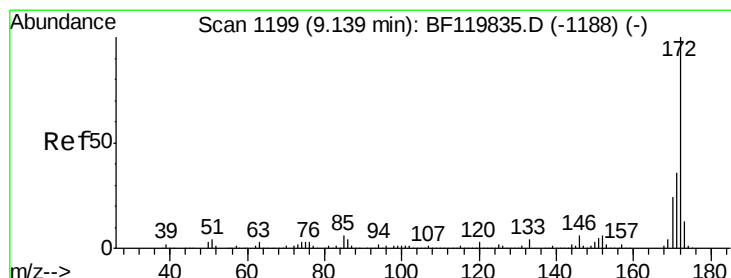
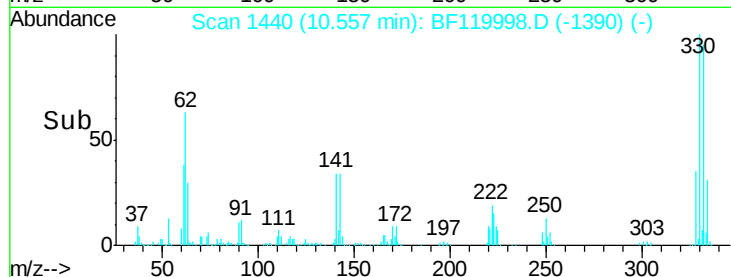
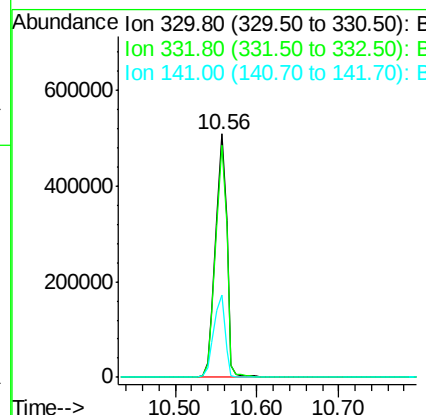
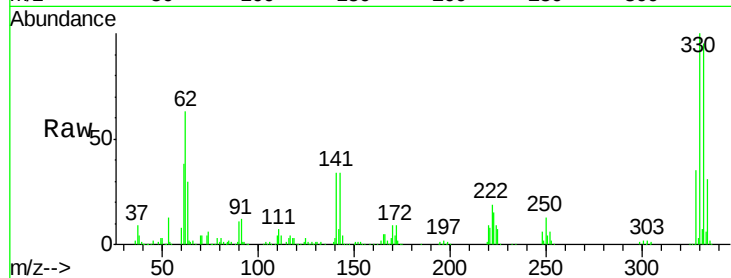




#42
 2,4,6-Tribromophenol
 Concen: 112.238 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

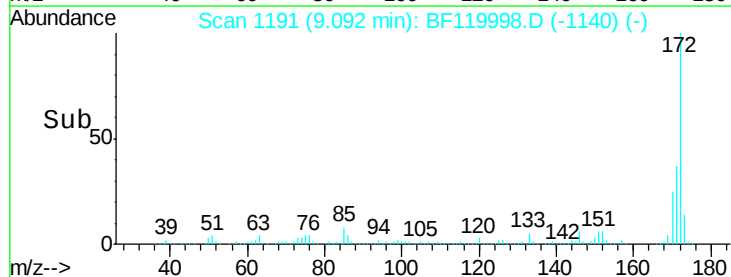
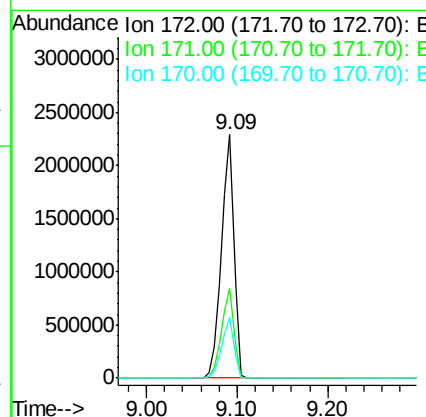
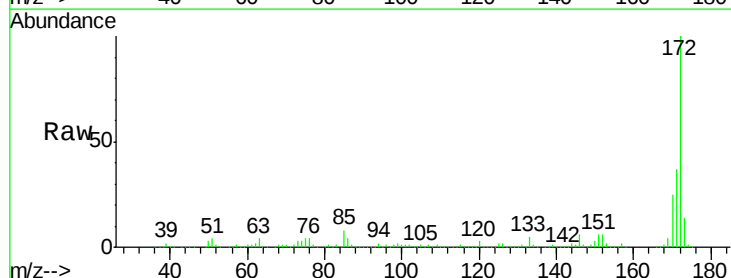
Instrument :
 BNA_F
 ClientSampleId :
 TP-28

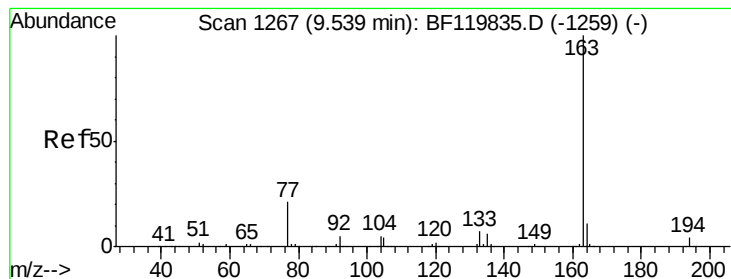
Tot Ion:330 Resp: 497580
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 33.9 25.1 37.7



#45
 2-Fluorobiphenyl
 Concen: 84.877 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Tgt Ion:172 Resp: 2164672
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 25.0 19.4 29.2





#50

Dimethylphthalate

Concen: 2.797 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Instrument :

BNA_F

ClientSampleId :

TP-28

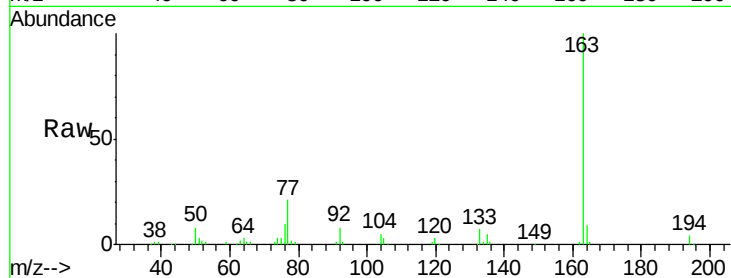
Tot Ion:163 Resp: 78326

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

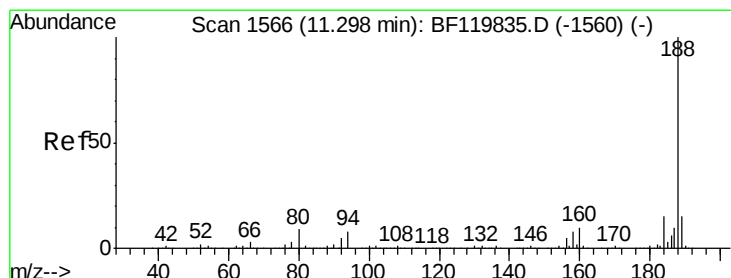
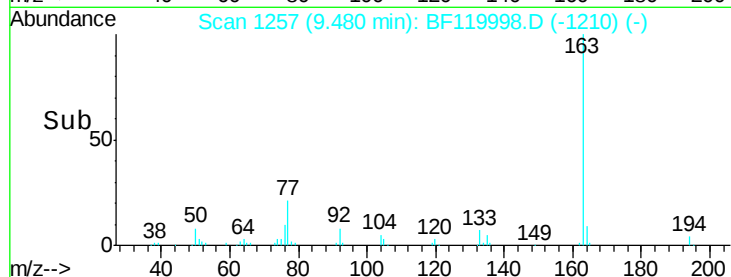
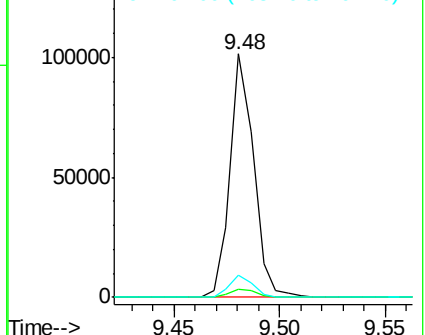
164 9.3 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

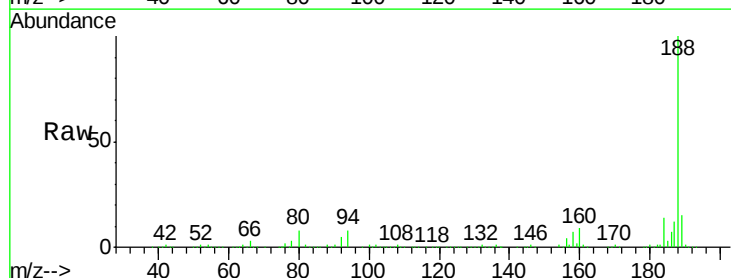
Tgt Ion:188 Resp: 717761

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

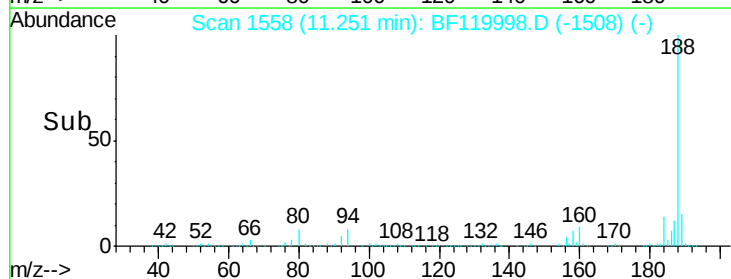
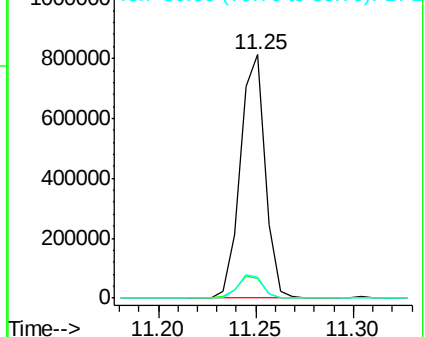
80 8.5 7.4 11.2

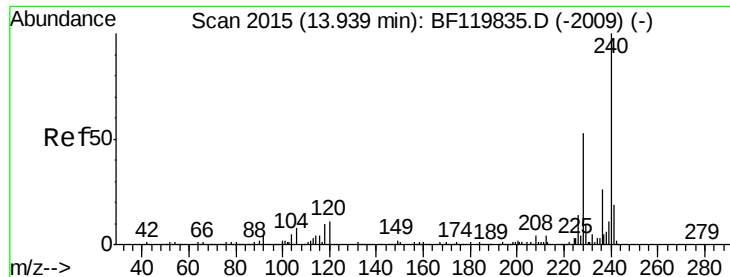


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Instrument :

BNA_F

ClientSampleId :

TP-28

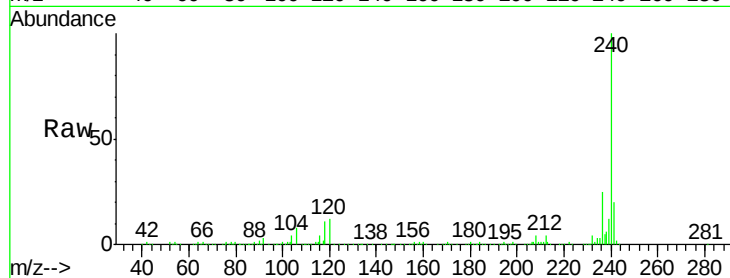
Tot Ion:240 Resp: 574055

Ion Ratio Lower Upper

240 100

120 12.0 9.0 13.6

236 25.2 20.7 31.1



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

800000

600000

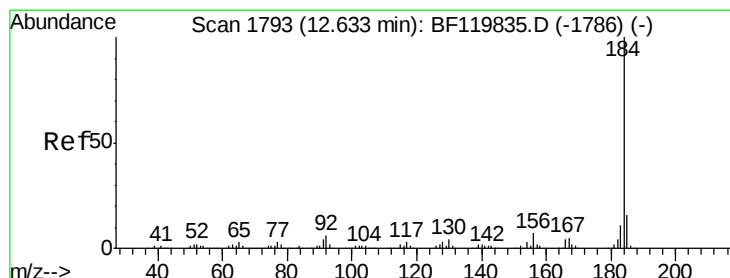
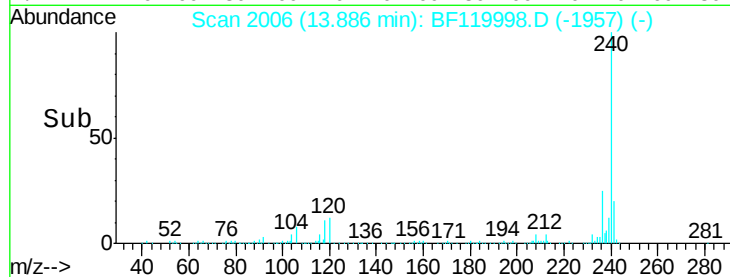
400000

200000

0

13.85 13.90 13.95

Time-->



#77

Benzidine

Concen: 9.020 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

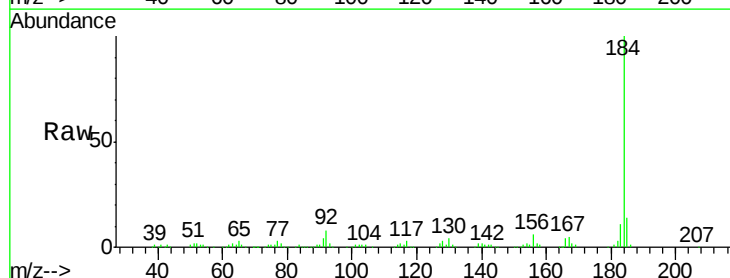
Tgt Ion:184 Resp: 175027

Ion Ratio Lower Upper

184 100

185 14.4 13.2 19.8

183 11.0 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

250000

200000

150000

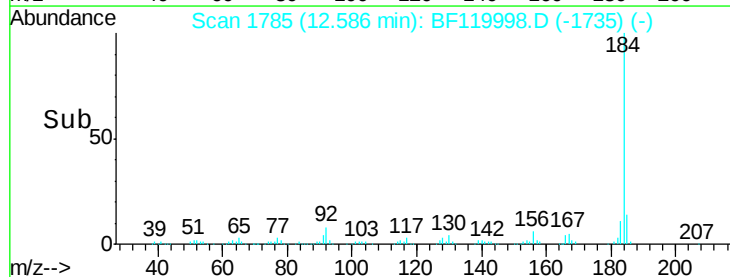
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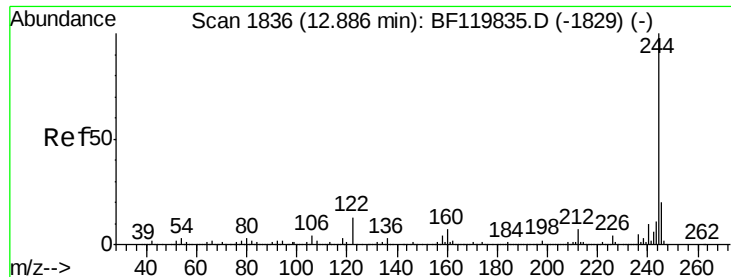
50000

0

12.60 12.70

Time-->





#79

Terphenyl-d14

Concen: 78.222 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

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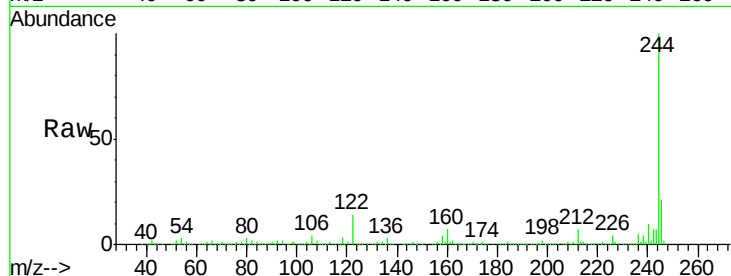
Tot Ion:244 Resp: 2668642

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

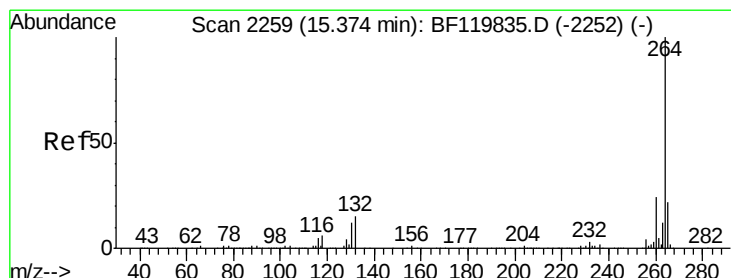
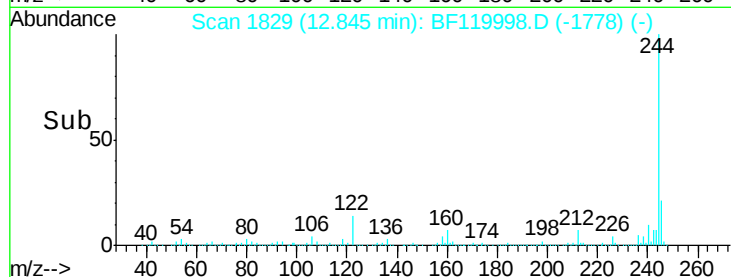
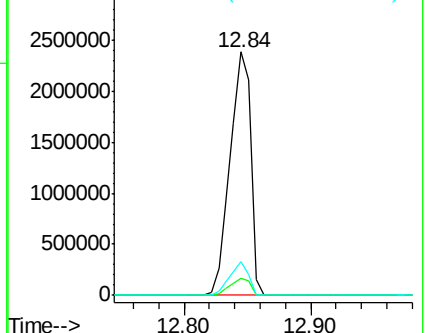
122 13.9 10.3 15.5



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: 15.31 min Scan# 2248

Delta R.T. -0.00 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

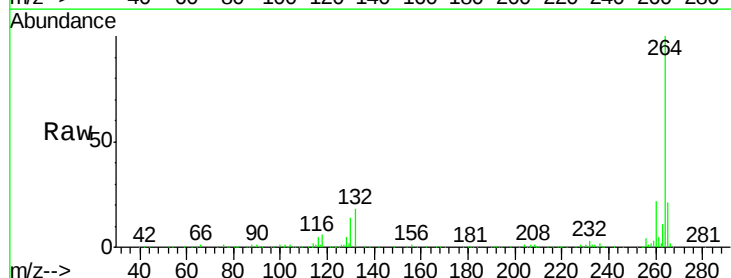
Tgt Ion:264 Resp: 477737

Ion Ratio Lower Upper

264 100

260 22.1 19.3 28.9

265 21.2 17.6 26.4



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

