

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040620\
 Data File : BF119825.D
 Acq On : 7 Apr 2020 16:36
 Operator : MA/SJ
 Sample : L2129-01DL 5X
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Quant Time: Apr 08 00:52:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	105959	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	392466	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	212943	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	318557	20.00	ng	0.00
76) Chrysene-d12	13.96	240	258494	20.00	ng	0.00
87) Perylene-d12	15.41	264	196775	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	234317	35.20	ng	0.00
7) Phenol-d6	6.41	99	298285	35.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	170371	23.59	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	64155	29.20	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	405962	28.24	ng	0.00
79) Terphenyl-d14	12.90	244	298094	22.59	ng	0.00

Target Compounds

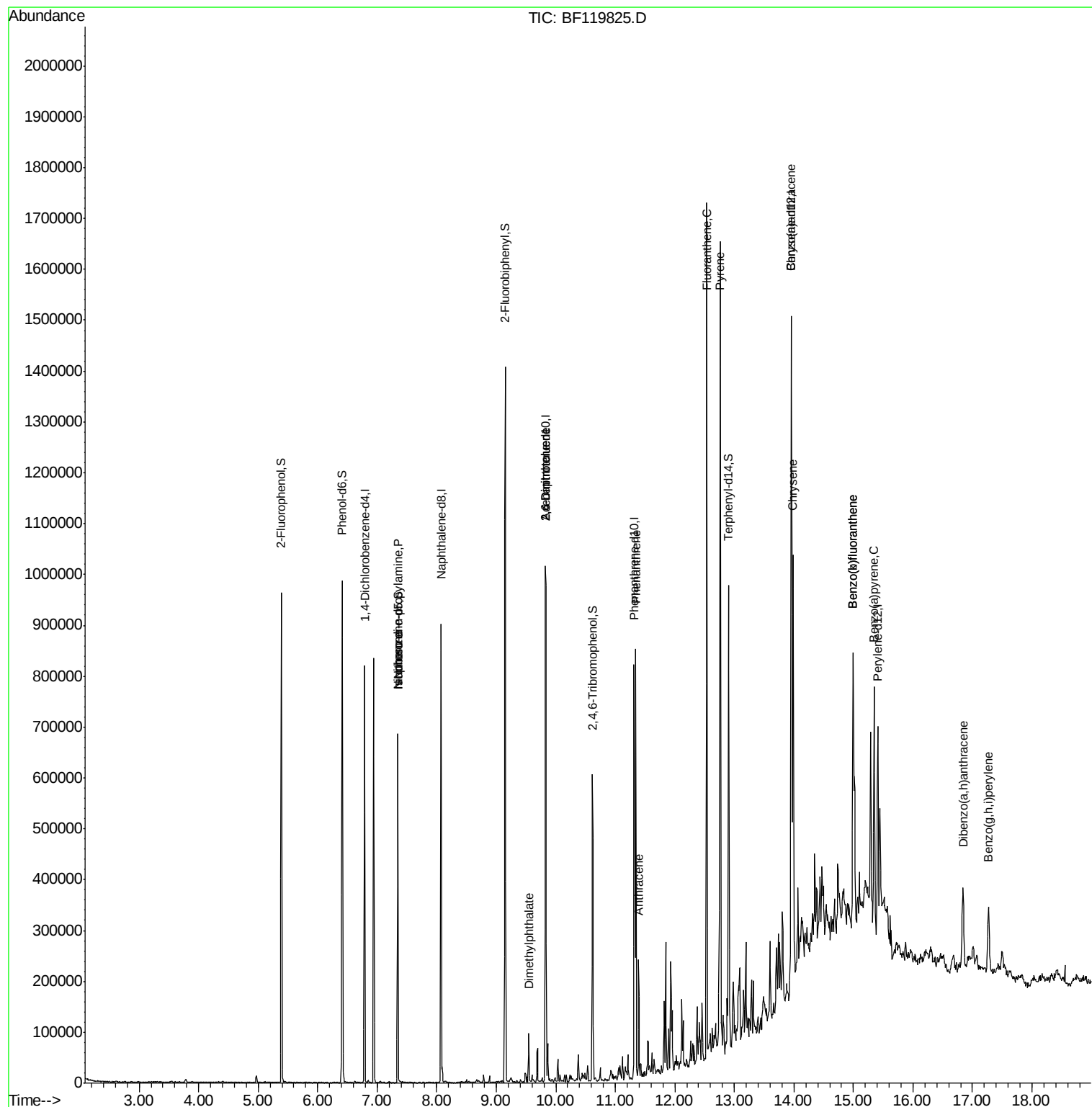
						Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	21747	4.24	ng	# 79
25) Isophorone	7.35	82	170367	11.63	ng	# 65
50) Dimethylphthalate	9.55	163	32479	2.15	ng	99
51) 2,6-Dinitrotoluene	9.83	165	27079	8.35	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	27079	6.63	ng	# 21
71) Phenanthrene	11.35	178	314313	19.03	ng	97
72) Anthracene	11.39	178	82646	4.92	ng	95
75) Fluoranthene	12.53	202	688981	38.54	ng	97
78) Pyrene	12.76	202	665634	31.38	ng	98
81) Benzo(a)anthracene	13.96	228	350856	20.87	ng	97
83) Chrysene	13.99	228	332554	19.17	ng	96
88) Benzo(b)fluoranthene	14.99	252	430518	32.75	ng	100
89) Benzo(k)fluoranthene	14.99	252	430518	34.40	ng	99
90) Benzo(a)pyrene	15.35	252	227083	19.01	ng	98
91) Dibenzo(a,h)anthracene	16.85	278	27374	2.62	ng	# 86
92) Benzo(g,h,i)perylene	17.27	276	106404	10.14	ng	97

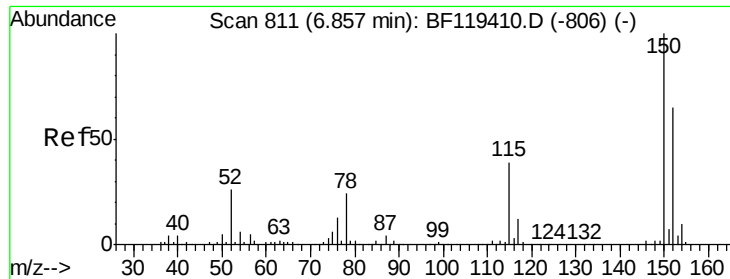
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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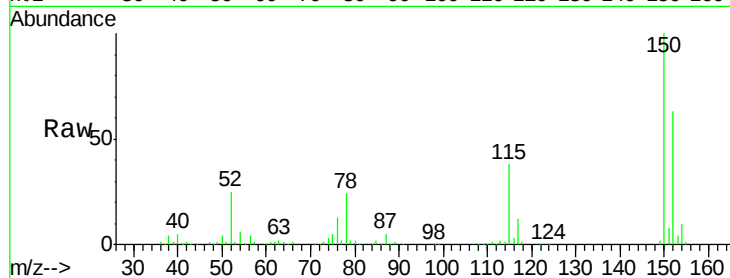




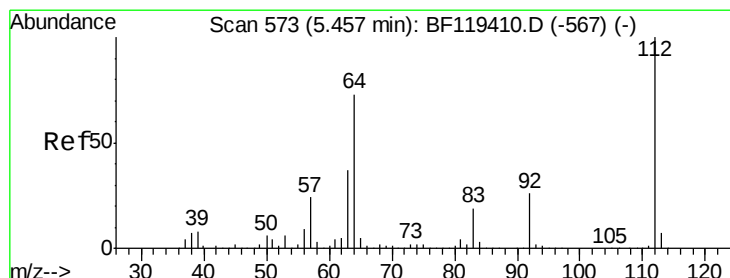
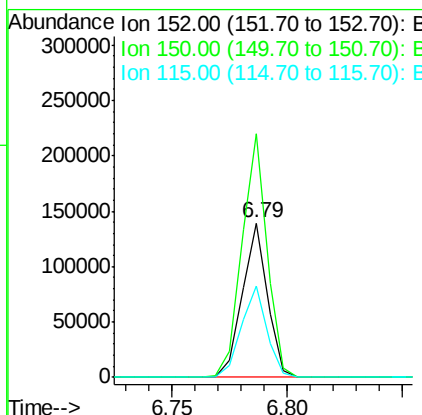
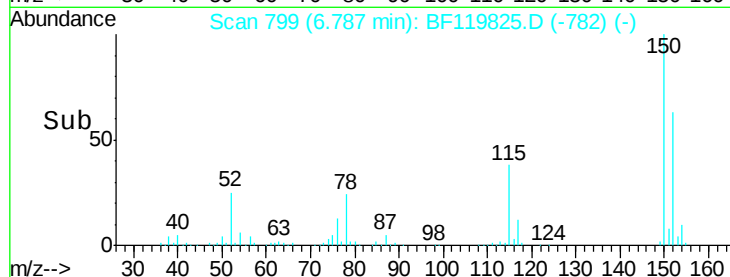
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Tgt Ion:152 Resp: 105959
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.5 186.7
 115 59.5 49.6 74.4

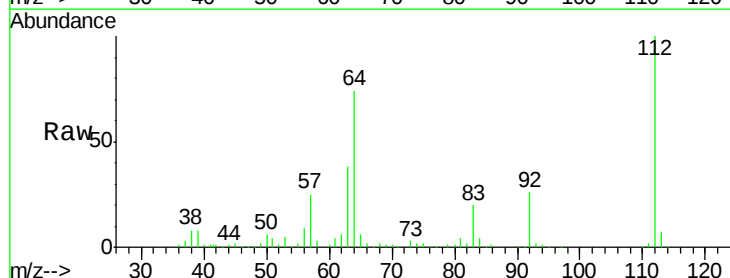


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

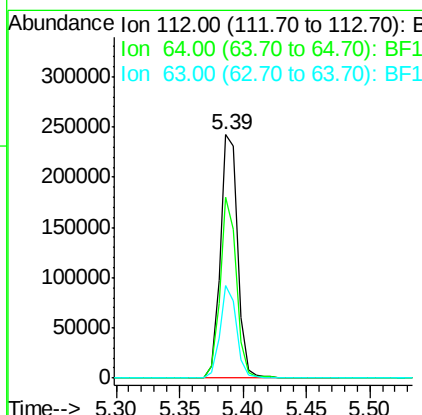
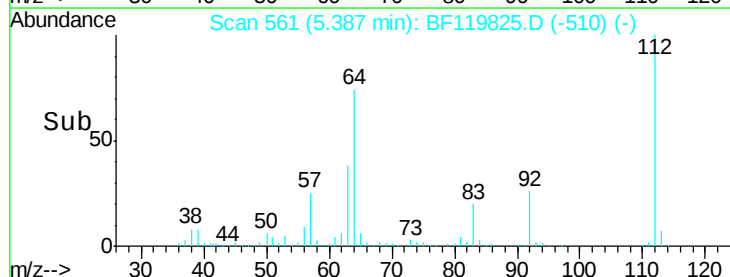


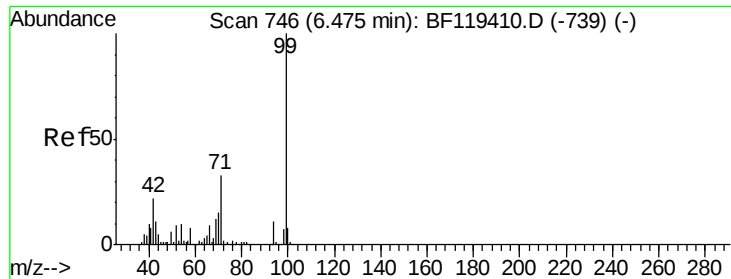
#5
 2-Fluorophenol
 Concen: 35.20 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Tgt Ion:112 Resp: 234317
 Ion Ratio Lower Upper
 112 100
 64 74.2 56.7 85.1
 63 38.1 29.5 44.3



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: 35.08 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

TP-9DL

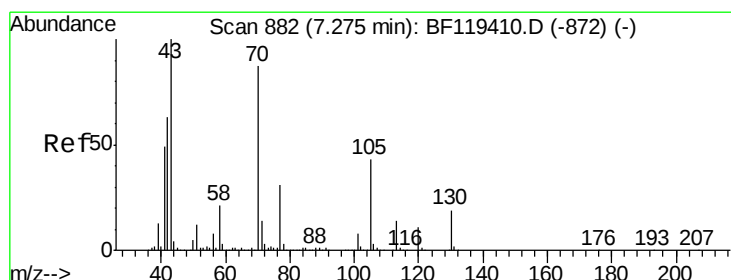
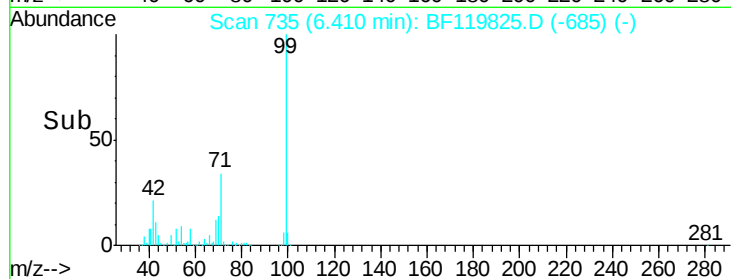
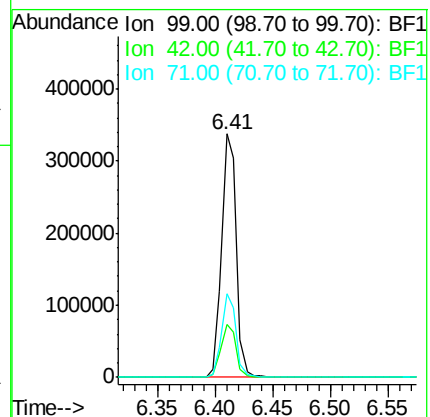
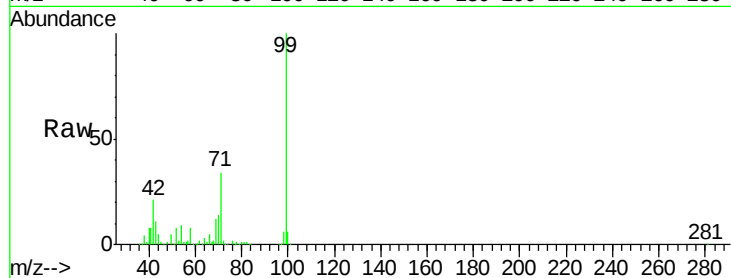
Tgt Ion: 99 Resp: 298285

Ion Ratio Lower Upper

99 100

42 21.5 16.6 24.8

71 34.4 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 4.24 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Tgt Ion: 70 Resp: 21747

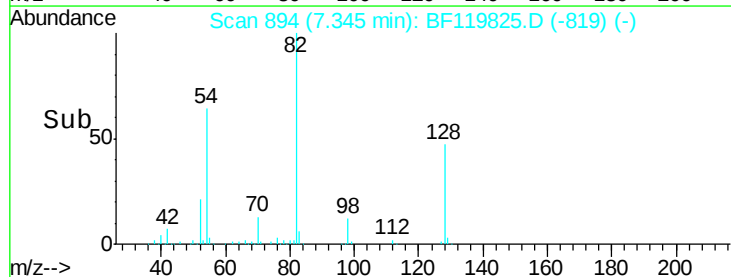
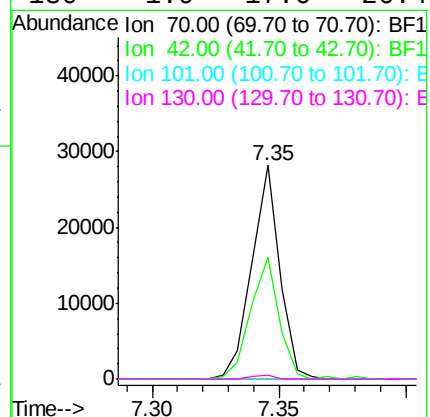
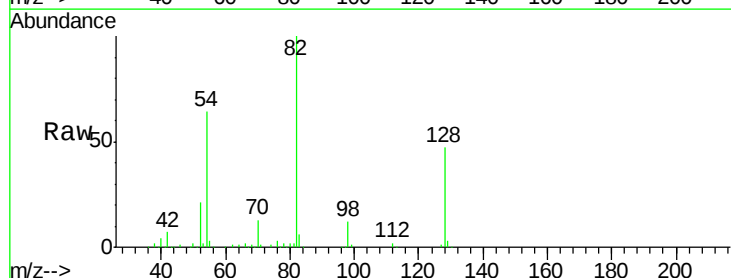
Ion Ratio Lower Upper

70 100

42 56.7 54.5 81.7

101 0.0 7.6 11.4#

130 1.9 17.6 26.4#

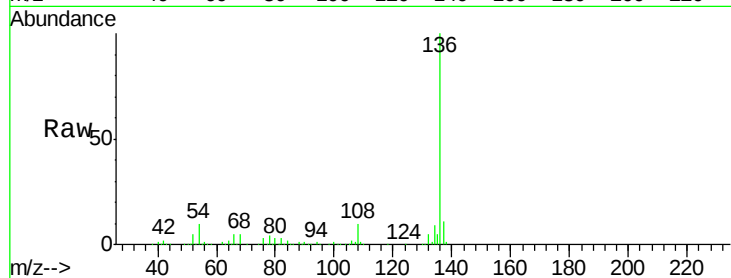




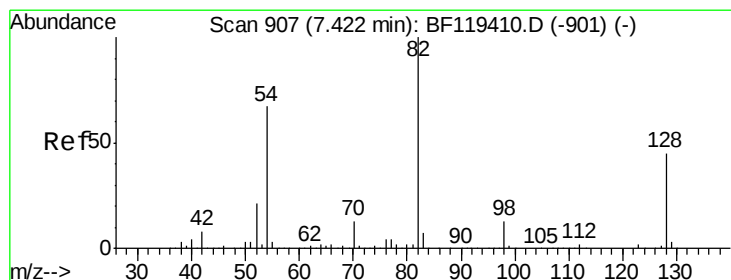
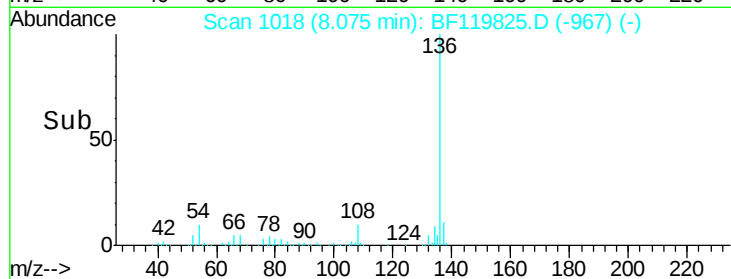
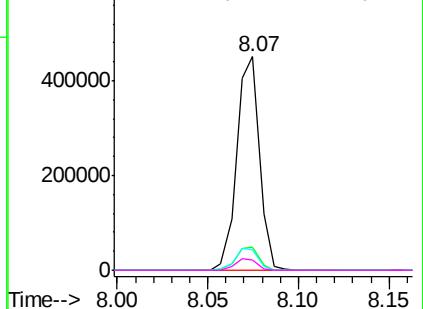
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:	136	Resp:	392466
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.5	9.1	13.7
68	4.7	4.6	6.8

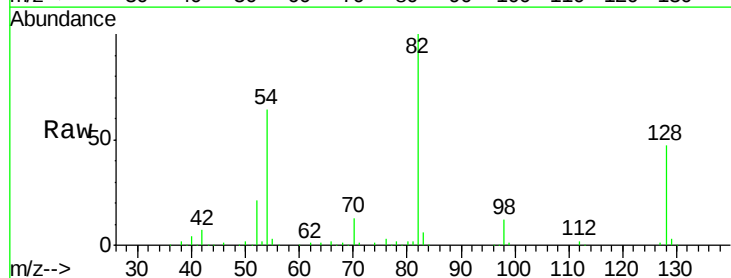


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

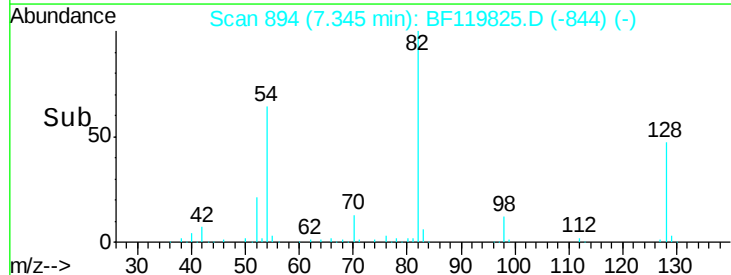
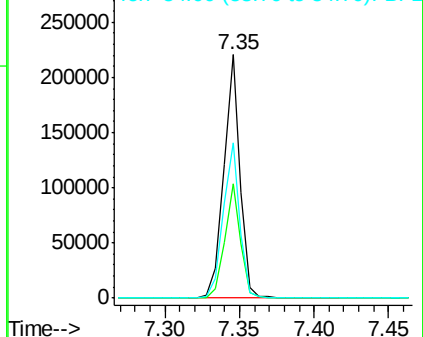


#23
Nitrobenzene-d5
Concen: 23.59 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion:	82	Resp:	170371
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.3	54.5
54	63.9	50.6	75.8



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: 11.63 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

TP-9DL

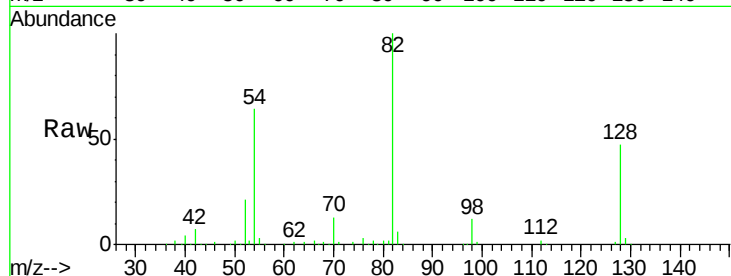
Tgt Ion: 82 Resp: 170367

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#

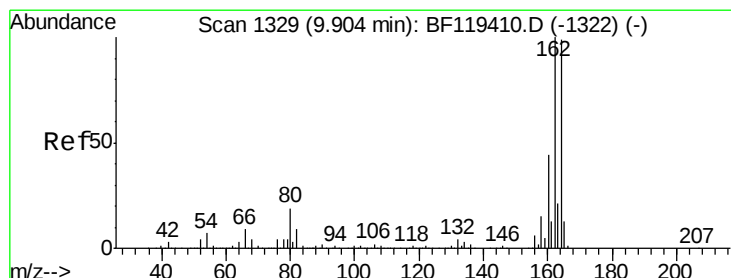
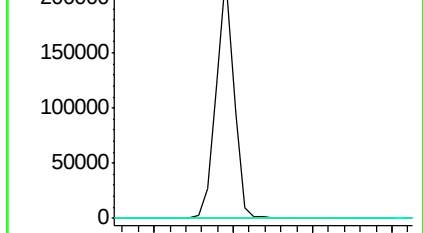
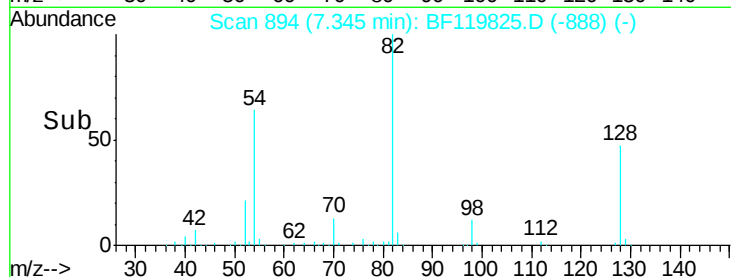


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

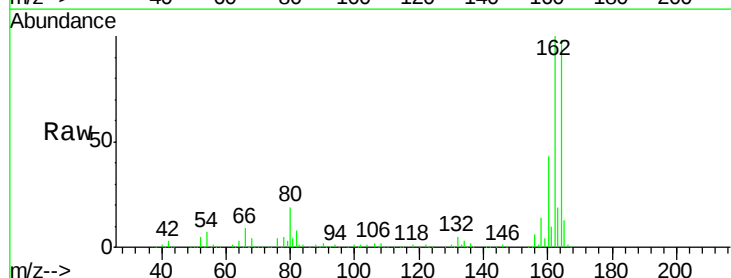
Tgt Ion: 164 Resp: 212943

Ion Ratio Lower Upper

164 100

162 102.5 80.6 121.0

160 44.5 35.7 53.5

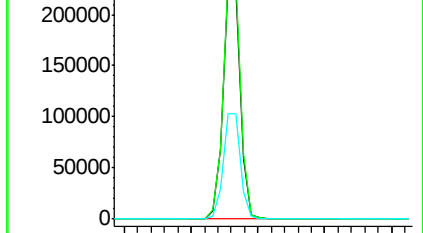
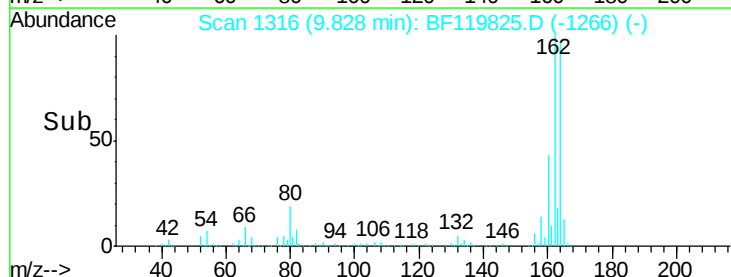


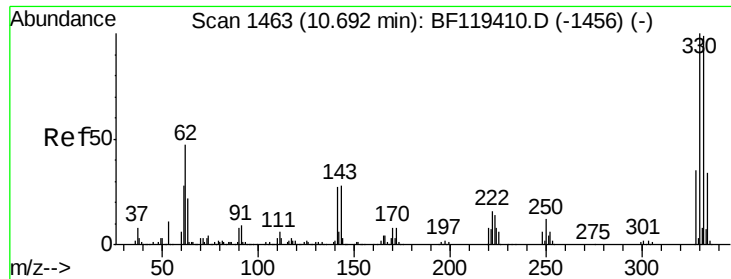
Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

Time-->





#42

2,4,6-Tribromophenol

Concen: 29.20 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

TP-9DL

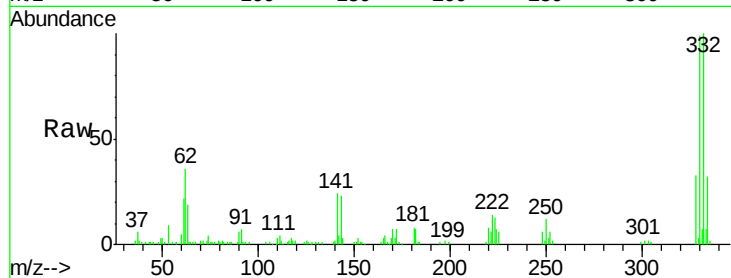
Tgt Ion:330 Resp: 64155

Ion Ratio Lower Upper

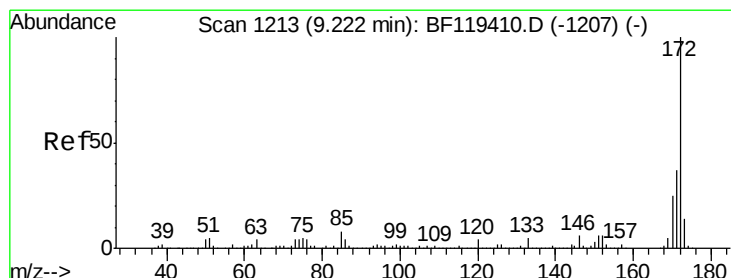
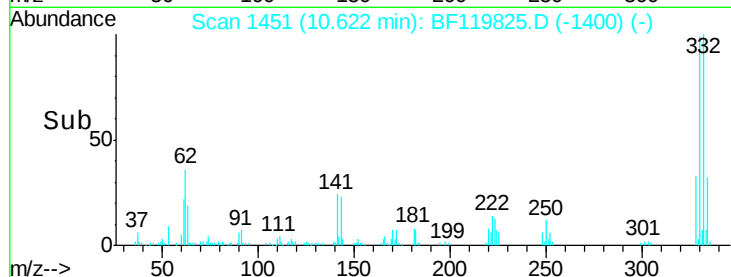
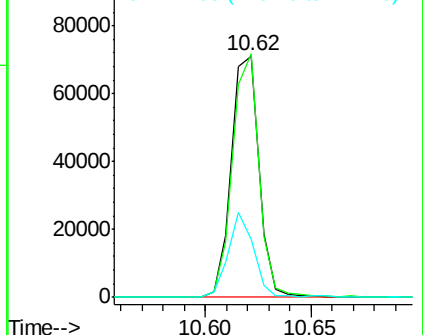
330 100

332 96.9 75.7 113.5

141 32.4 25.4 38.0



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: 28.24 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

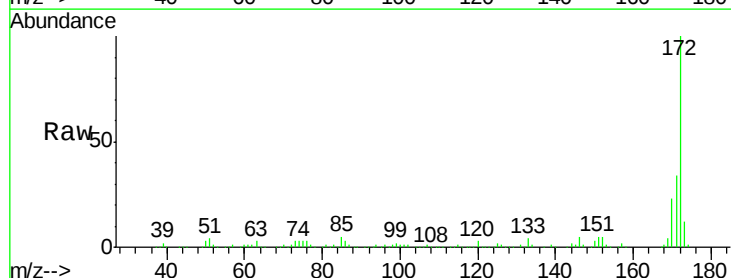
Tgt Ion:172 Resp: 405962

Ion Ratio Lower Upper

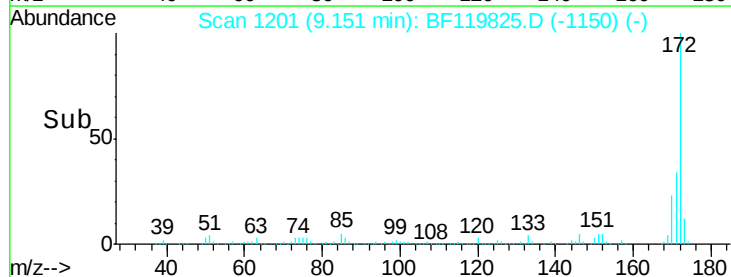
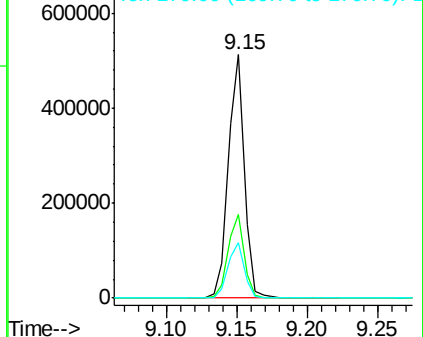
172 100

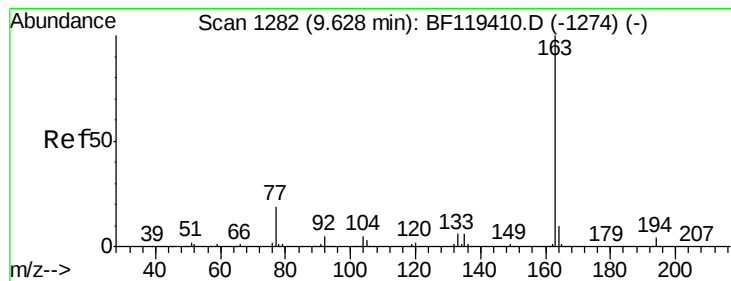
171 34.1 29.6 44.4

170 22.7 20.2 30.2



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: 2.15 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampled :

TP-9DL

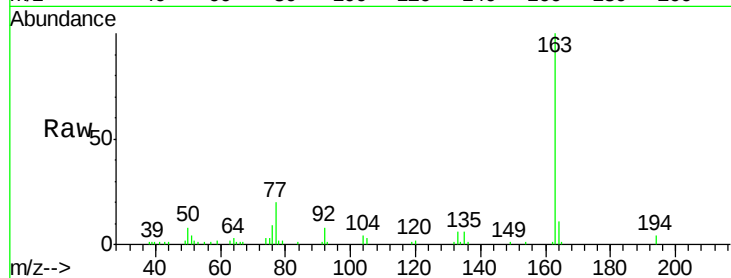
Tgt Ion:163 Resp: 32479

Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

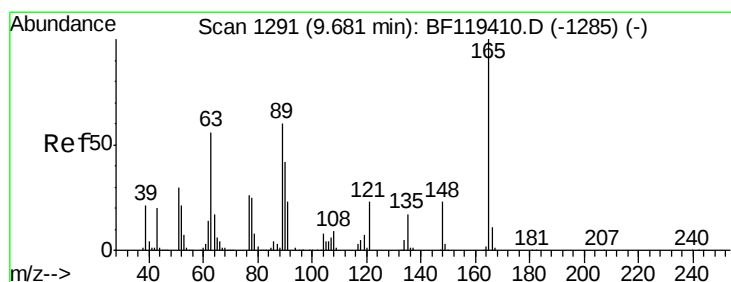
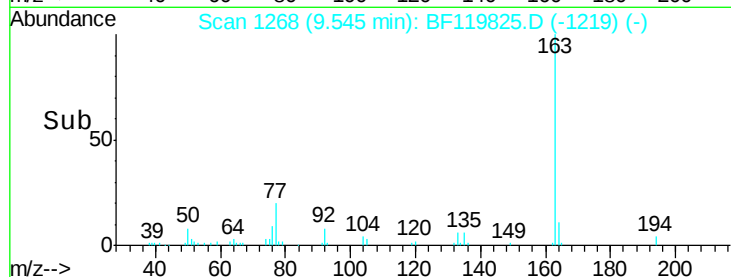
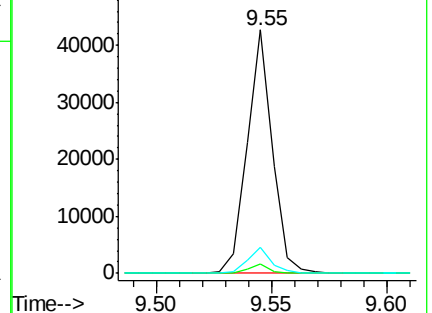
164 10.7 8.2 12.2



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: 8.35 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

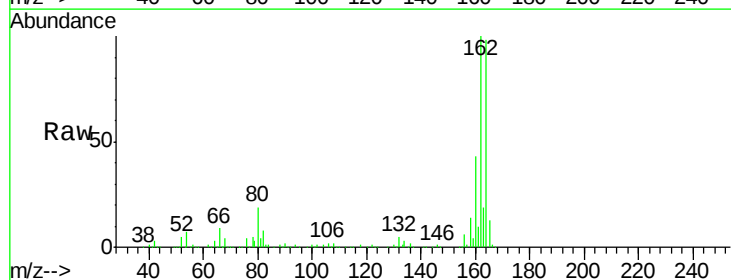
Tgt Ion:165 Resp: 27079

Ion Ratio Lower Upper

165 100

63 1.7 45.0 67.4#

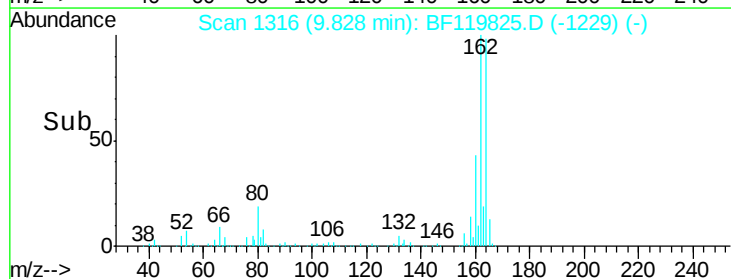
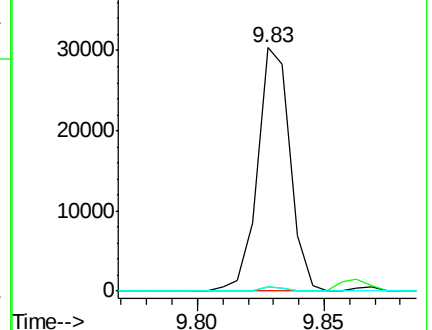
89 1.5 41.5 62.3#

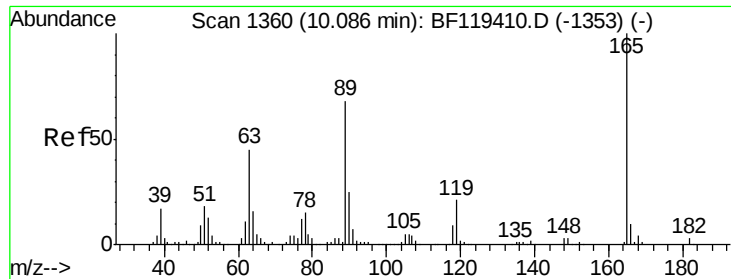


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.63 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

TP-9DL

Tgt Ion:165 Resp: 27079

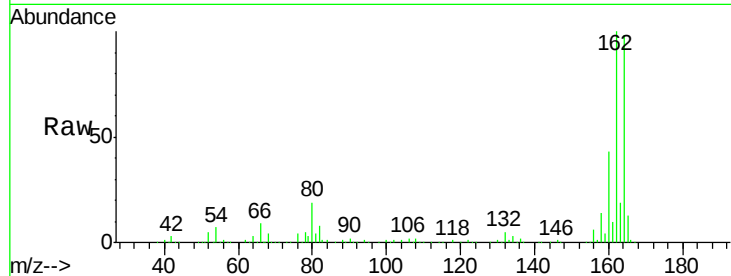
Ion Ratio Lower Upper

165 100

63 1.7 42.6 64.0#

89 1.5 61.0 91.4#

182 0.0 2.2 3.2#

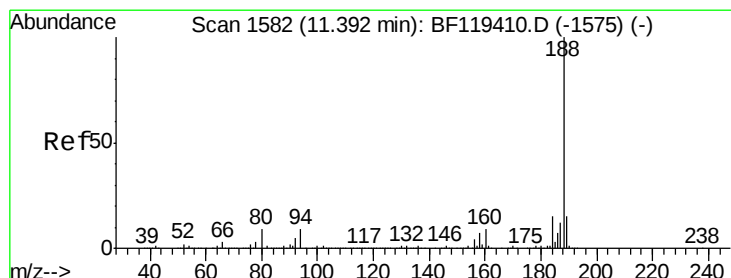
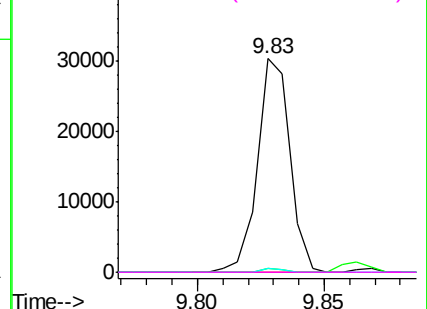
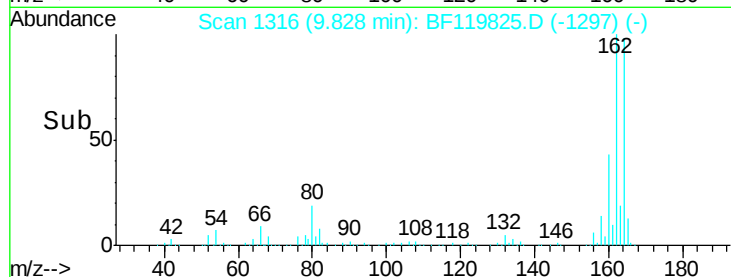


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

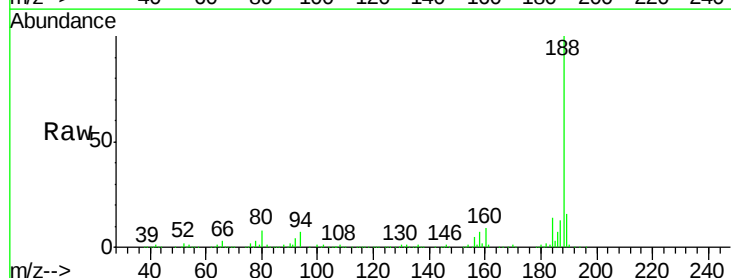
Tgt Ion:188 Resp: 318557

Ion Ratio Lower Upper

188 100

94 7.2 7.5 11.3#

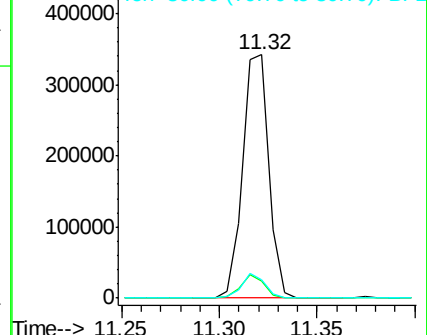
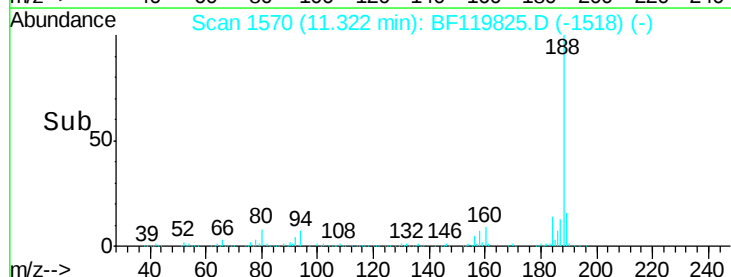
80 7.7 9.0 13.4#

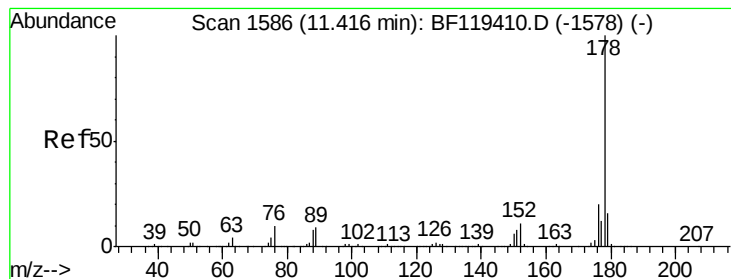


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 19.03 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

TP-9DL

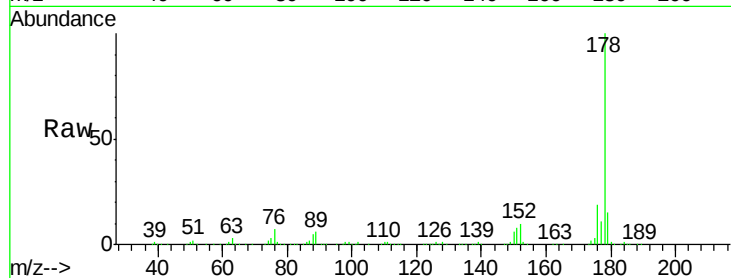
Tgt Ion:178 Resp: 314313

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

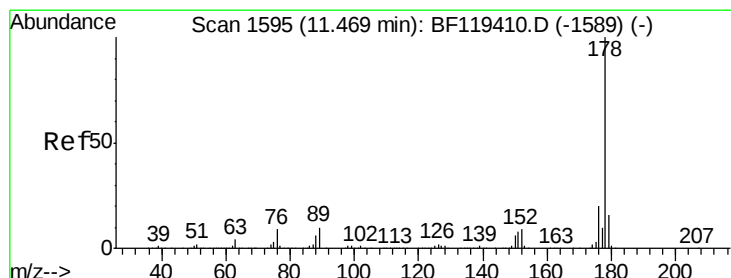
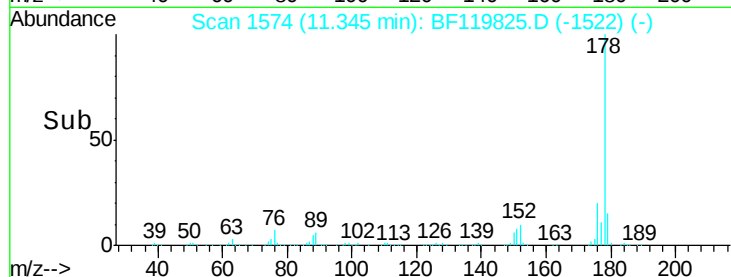
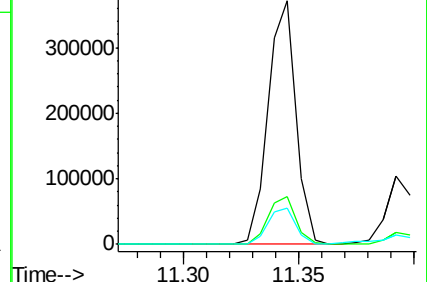
179 14.9 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.92 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

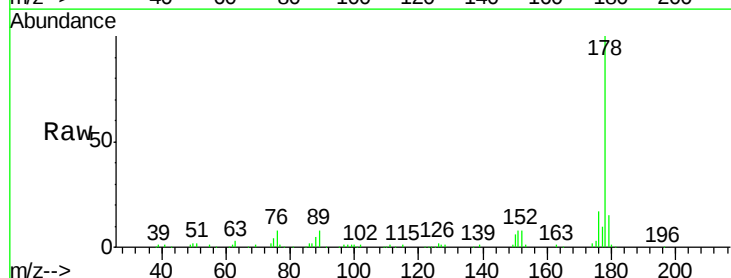
Tgt Ion:178 Resp: 82646

Ion Ratio Lower Upper

178 100

176 17.2 16.1 24.1

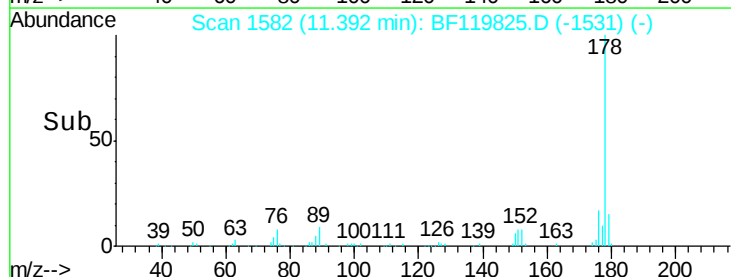
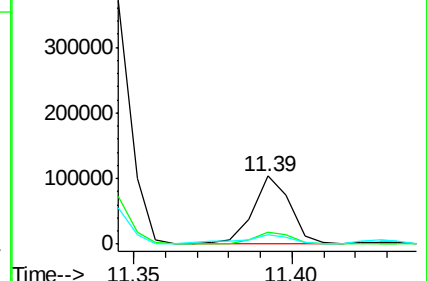
179 14.6 13.0 19.4

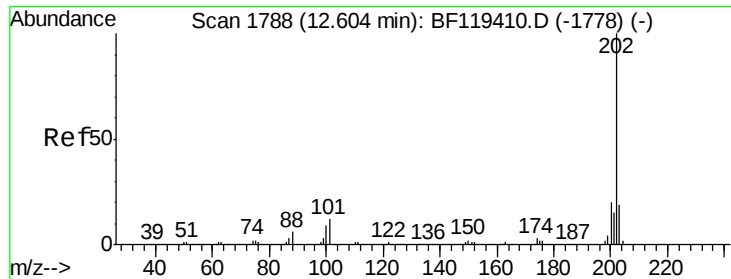


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 38.54 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

TP-9DL

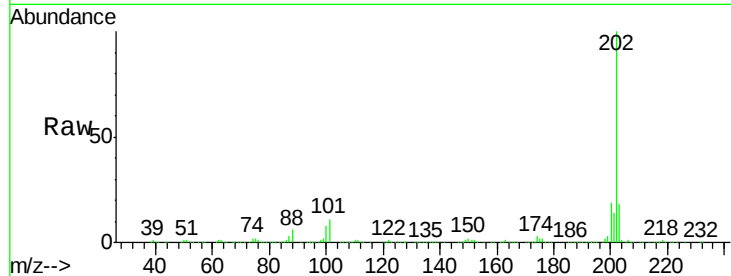
Tgt Ion:202 Resp: 688981

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.2

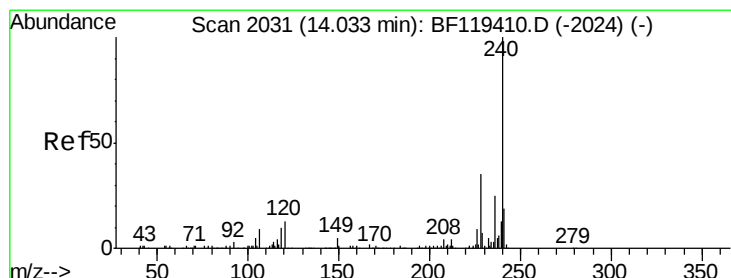
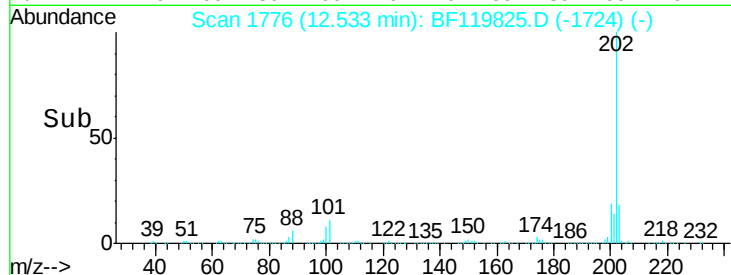
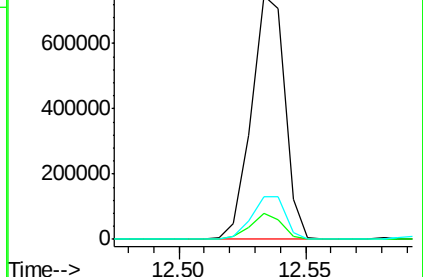
203 17.6 0.0 38.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

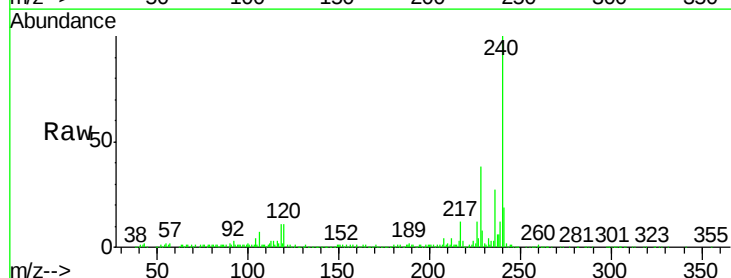
Tgt Ion:240 Resp: 258494

Ion Ratio Lower Upper

240 100

120 11.0 10.6 15.8

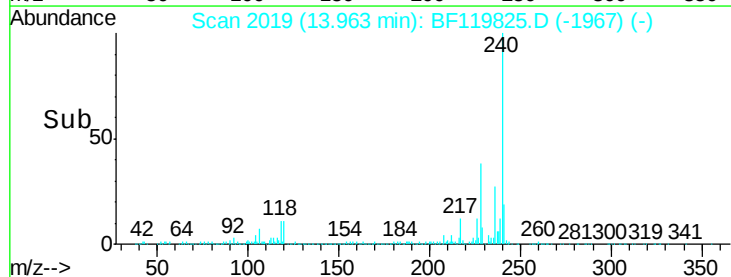
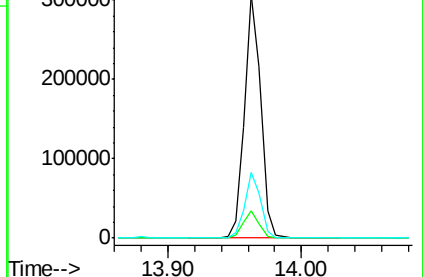
236 26.9 20.2 30.2

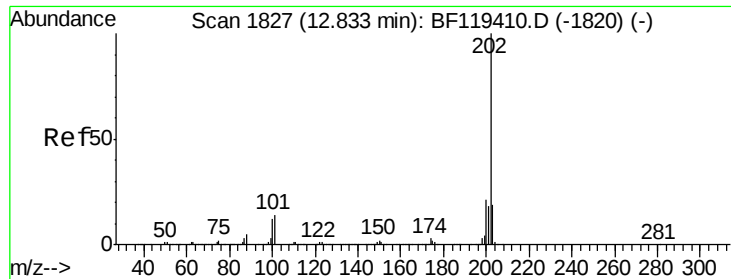


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

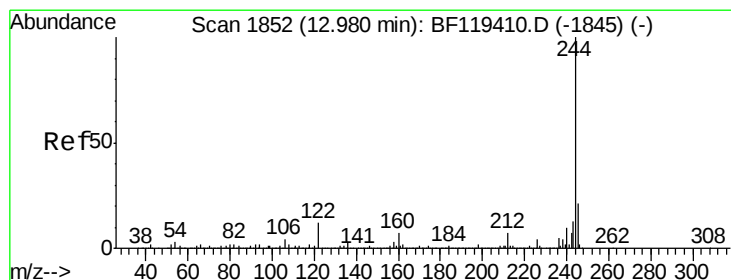
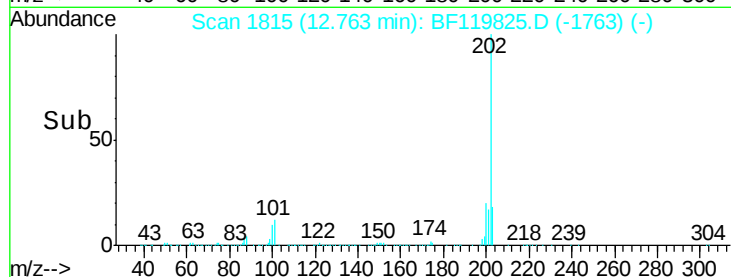
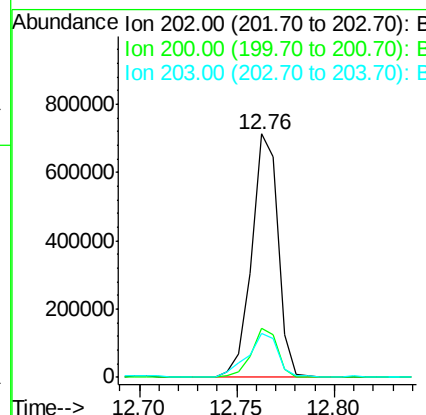
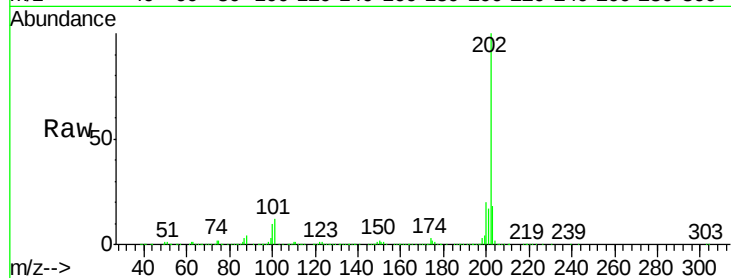




#78
 Pyrene
 Concen: 31.38 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. 0.01 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleID :
 TP-9DL

Tgt Ion:202 Resp: 665634
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.8 25.2
 203 17.9 15.1 22.7



#79
 Terphenyl-d14
 Concen: 22.59 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Tgt Ion:244 Resp: 298094
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 10.5 10.3 15.5

