

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126556.D
 Acq On : 7 Jan 2022 21:39
 Operator : JU/CG
 Sample : N1070-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-010622

Quant Time: Jan 08 04:40:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

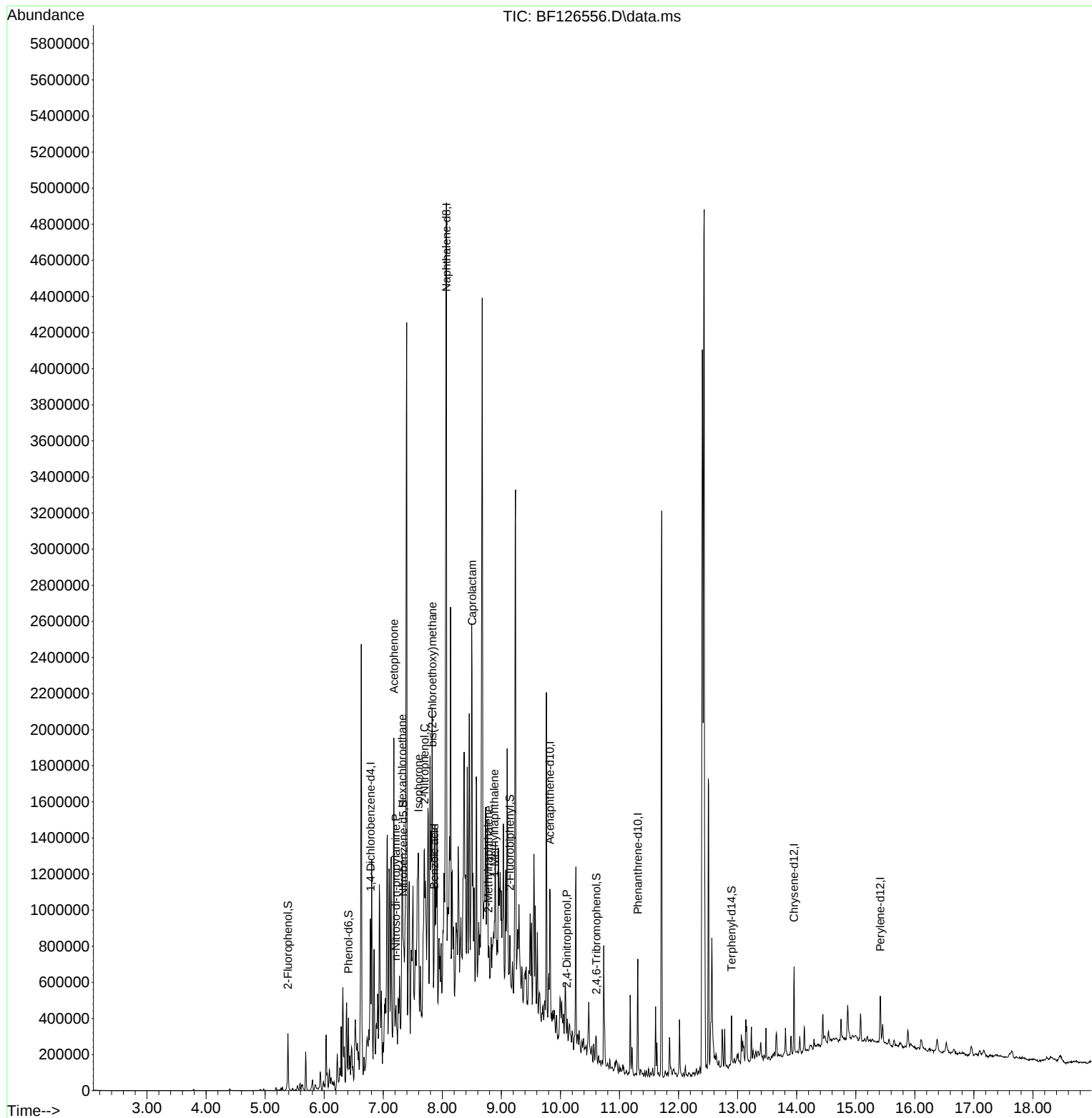
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91668	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	222702	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	135224	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	216943	20.000	ng	0.00
76) Chrysene-d12	13.957	240	157984	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	116417	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	90015	14.102	ng	0.00
7) Phenol-d6	6.410	99	112600	13.619	ng	-0.01
23) Nitrobenzene-d5	7.339	82	83478	19.247	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	14266	13.652	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	92324	12.015	ng	0.00
79) Terphenyl-d14	12.898	244	78927	9.707	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.322	117	47954	18.955	ng	# 1
19) n-Nitroso-di-n-propyla...	7.216	70	15241	3.230	ng	# 70
22) Acetophenone	7.181	105	116011	22.533	ng	# 28
25) Isophorone	7.598	82	46117	5.940	ng	# 1
26) 2-Nitrophenol	7.698	139	6305	3.277	ng	# 1
28) bis(2-Chloroethoxy)met...	7.834	93	10349	2.040	ng	# 1
32) Benzoic acid	7.863	122	3018	8.255	ng	# 8
35) Caprolactam	8.504	113	37702	53.949	ng	# 24
37) 2-Methylnaphthalene	8.781	142	52705	8.500	ng	94
38) 1-Methylnaphthalene	8.881	142	31352	5.230	ng	98
54) 2,4-Dinitrophenol	10.110	184	114	4.120	ng	# 1
77) Benzidine	12.657	184	111	Below Cal		# 1

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

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QLast Update : Wed Jan 05 01:57:07 2022
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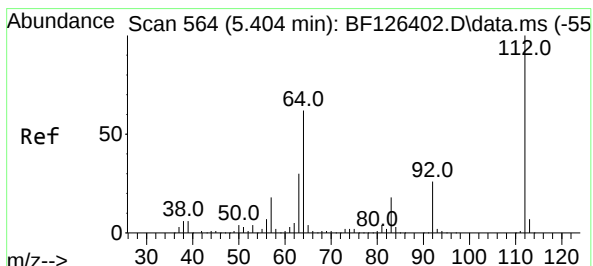
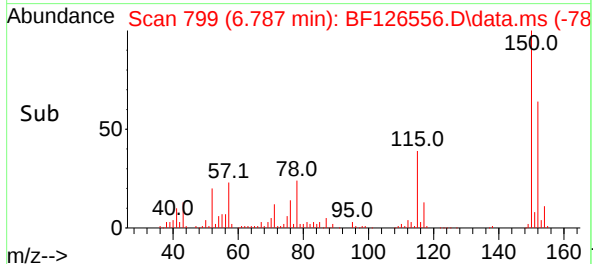
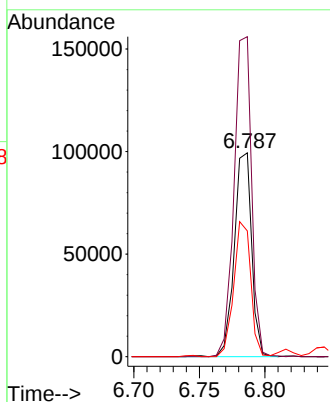
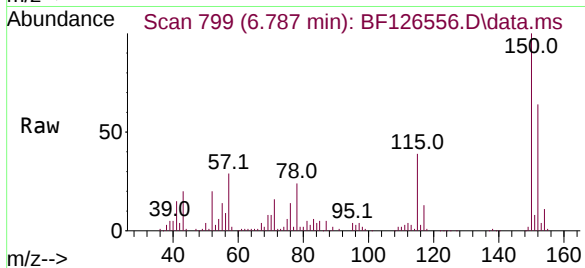




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

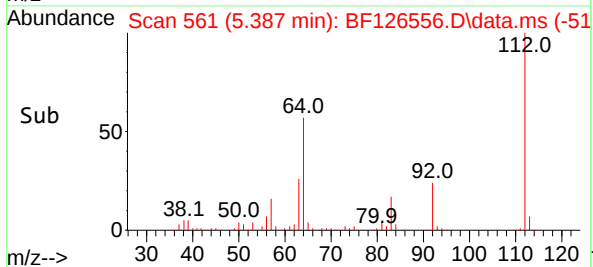
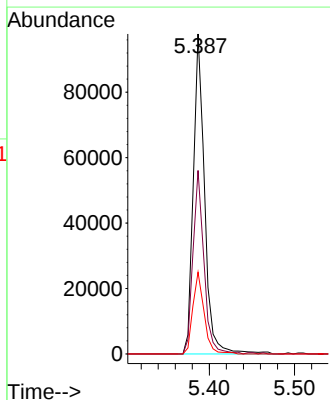
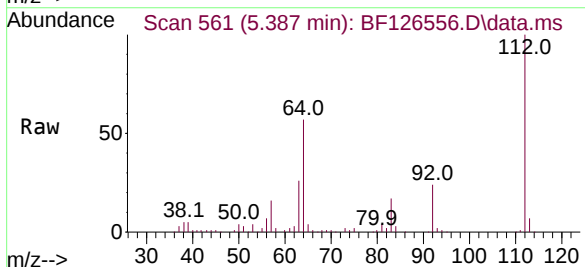
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BNA_F
ClientSampleId :
HR-03-010622

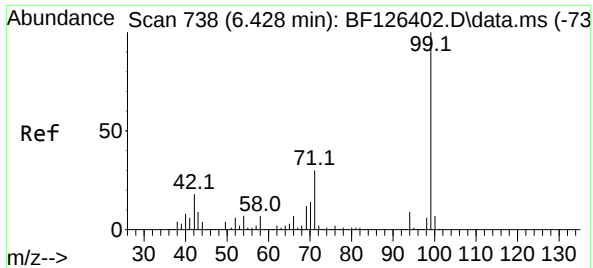
Tgt Ion:152 Resp: 91668
Ion Ratio Lower Upper
152 100
150 157.0 128.1 192.1
115 61.7 56.7 85.1



#5
2-Fluorophenol
Concen: 14.102 ng
RT: 5.387 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion:112 Resp: 90015
Ion Ratio Lower Upper
112 100
64 57.3 49.5 74.3
63 25.6 23.9 35.9

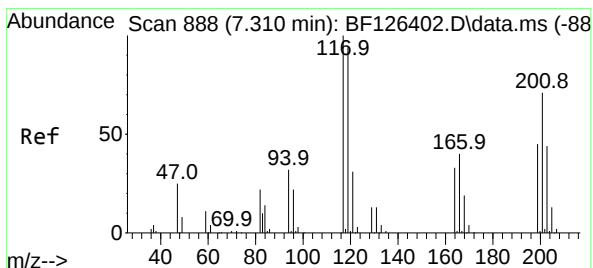
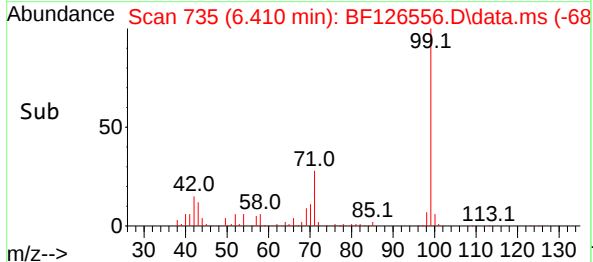
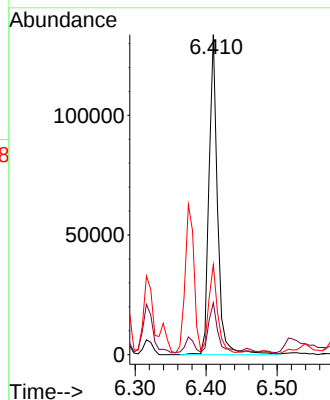
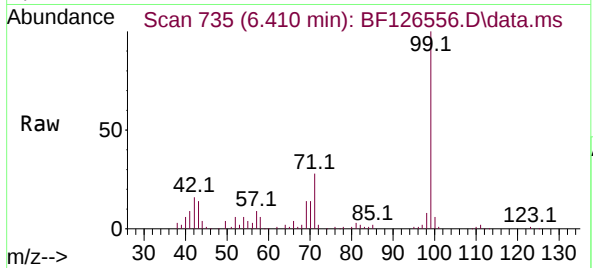




#7
Phenol-d6
Concen: 13.619 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

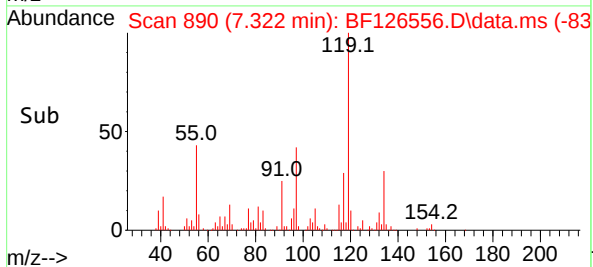
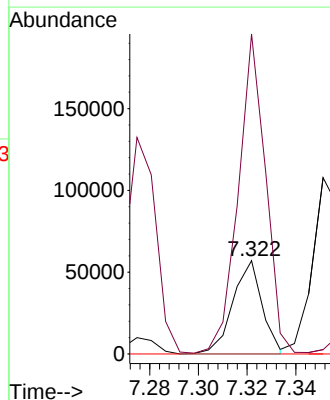
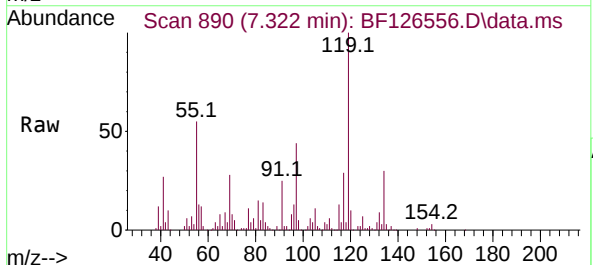
Instrument :
BNA_F
ClientSampleId :
HR-03-010622

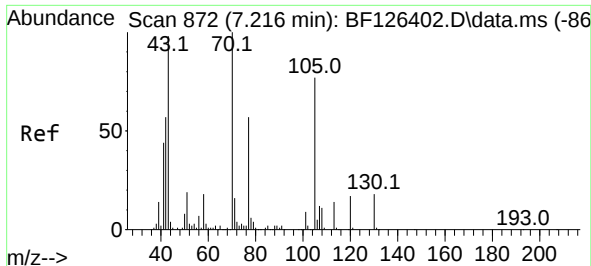
Tgt Ion: 99 Resp: 112600
Ion Ratio Lower Upper
99 100
42 16.2 14.2 21.4
71 28.2 24.3 36.5



#18
Hexachloroethane
Concen: 18.955 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.024 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion: 117 Resp: 47954
Ion Ratio Lower Upper
117 100
119 343.2 75.4 113.0#
201 0.0 56.8 85.2#



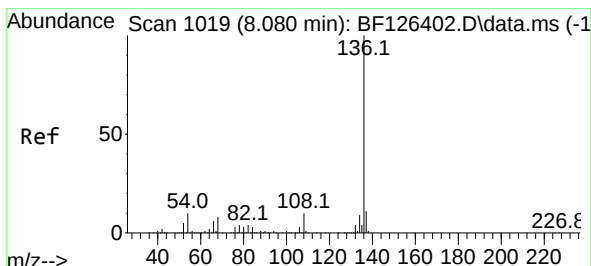
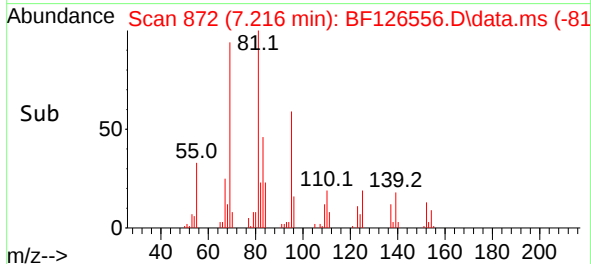
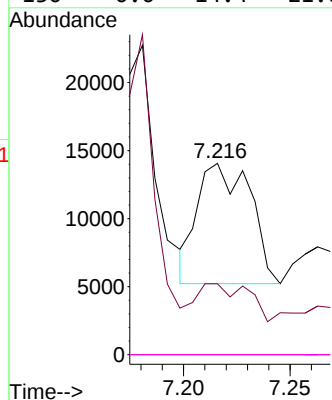
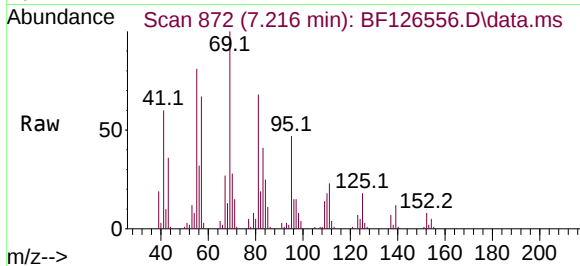


#19
n-Nitroso-di-n-propylamine
Concen: 3.230 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Instrument :
BNA_F
ClientSampleId :
HR-03-010622

Tgt Ion: 70 Resp: 15241

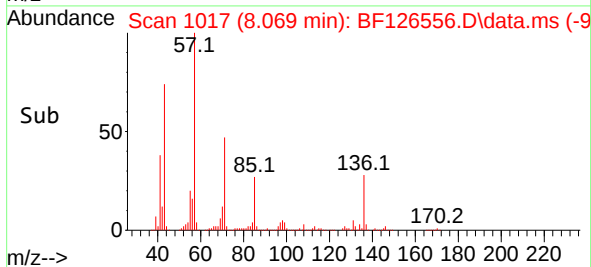
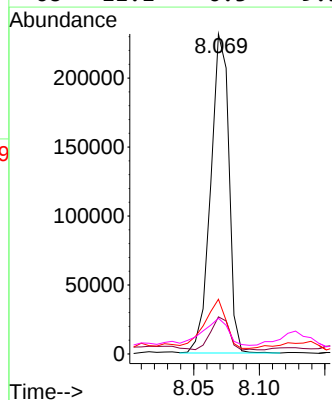
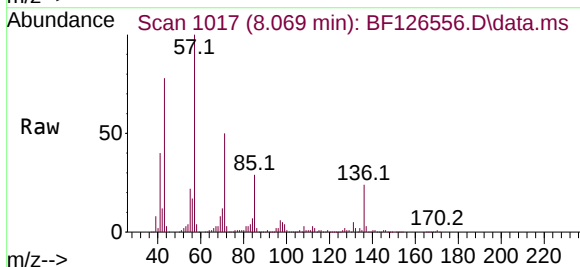
Ion	Ratio	Lower	Upper
70	100		
42	37.1	45.8	68.8#
101	0.0	6.9	10.3#
130	0.0	14.4	21.6#

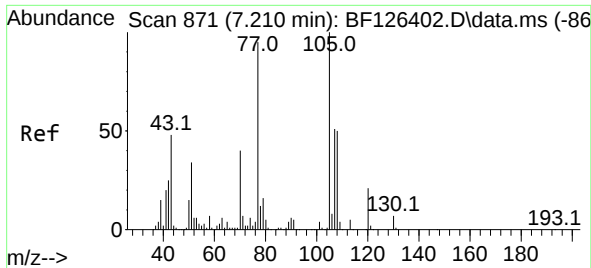


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion: 136 Resp: 222702

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	17.1	7.8	11.6#
68	11.1	6.3	9.5#

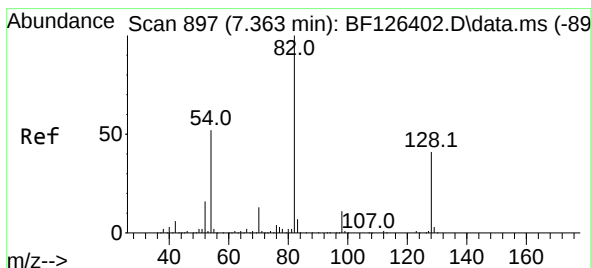
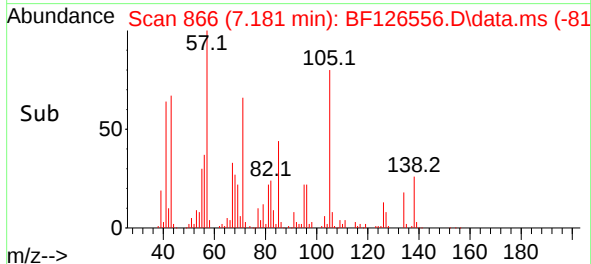
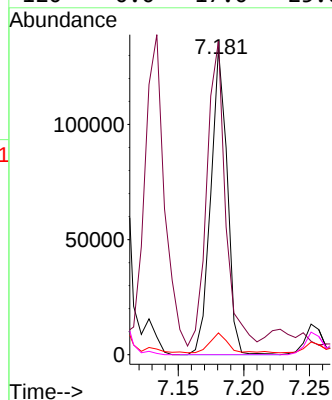
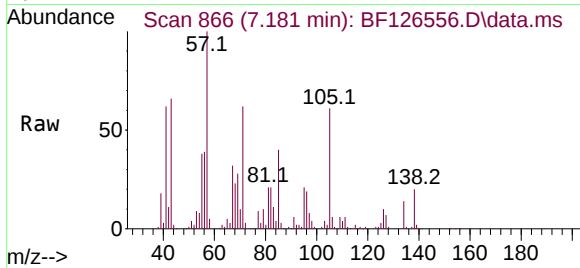




#22
Acetophenone
Concen: 22.533 ng
RT: 7.181 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

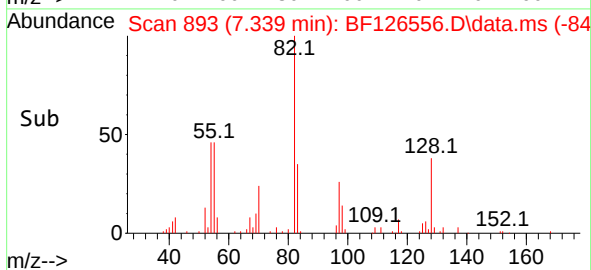
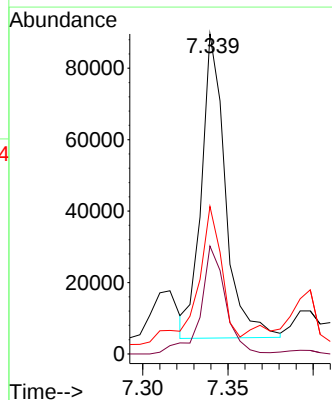
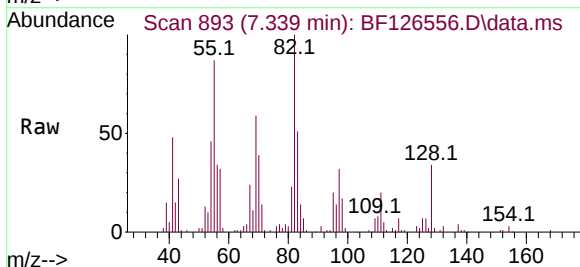
Instrument :
BNA_F
ClientSampleId :
HR-03-010622

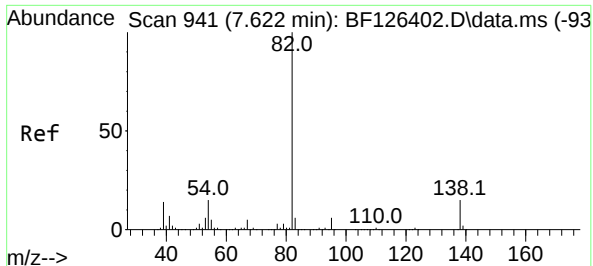
Tgt Ion:105 Resp: 116011
Ion Ratio Lower Upper
105 100
71 102.4 5.4 8.0#
51 7.1 27.4 41.0#
120 0.0 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 19.247 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion: 82 Resp: 83478
Ion Ratio Lower Upper
82 100
128 33.7 32.7 49.1
54 46.1 41.7 62.5

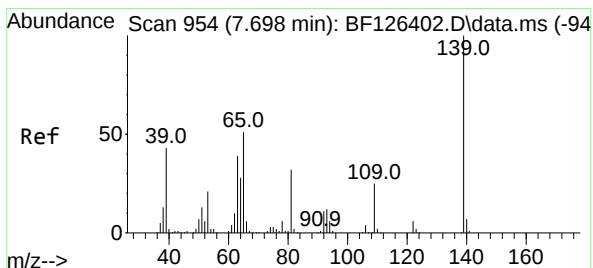
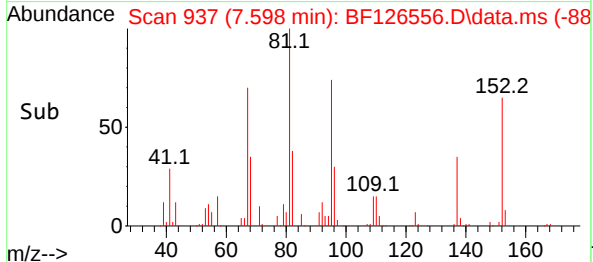
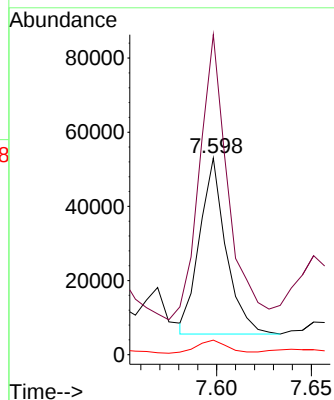
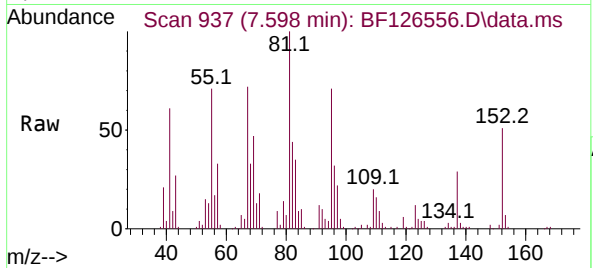




#25
Isophorone
Concen: 5.940 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

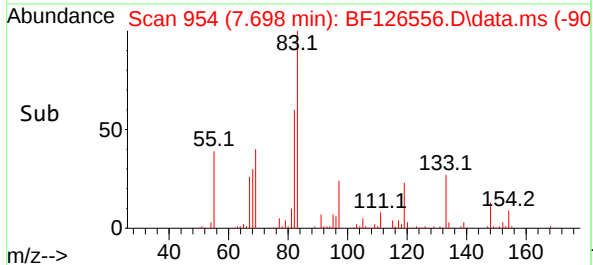
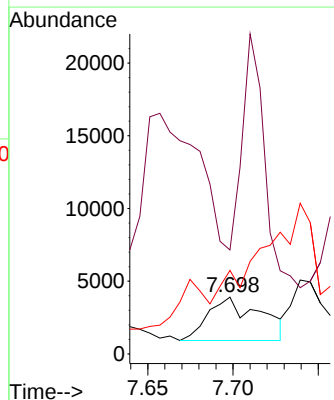
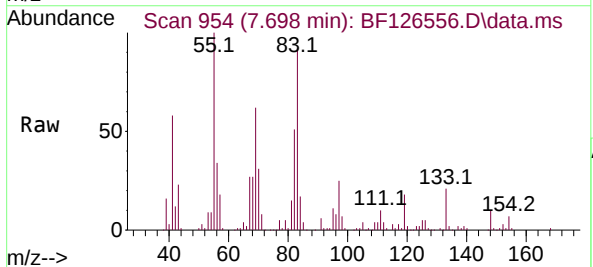
Instrument :
BNA_F
ClientSampleId :
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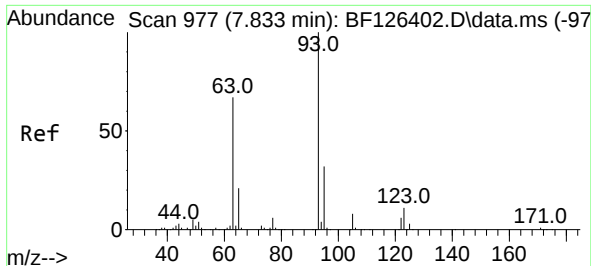
Tgt Ion: 82 Resp: 46117
Ion Ratio Lower Upper
82 100
95 162.7 5.0 7.4#
138 7.4 12.3 18.5#



#26
2-Nitrophenol
Concen: 3.277 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.012 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion: 139 Resp: 6305
Ion Ratio Lower Upper
139 100
109 183.3 20.0 30.0#
65 147.3 40.8 61.2#





#28

bis(2-Chloroethoxy)methane

Concen: 2.040 ng

RT: 7.834 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF126556.D

Acq: 7 Jan 2022 21:39

Instrument :

BNA_F

ClientSampleId :

HR-03-010622

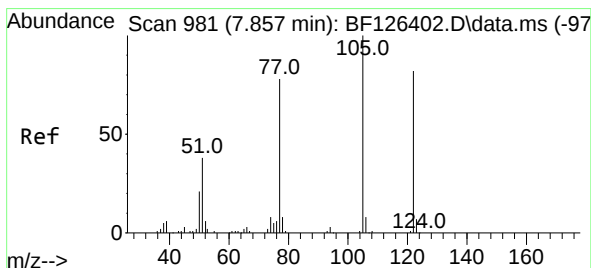
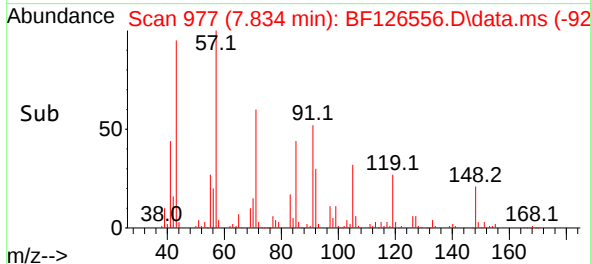
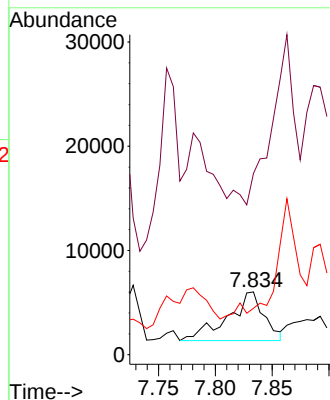
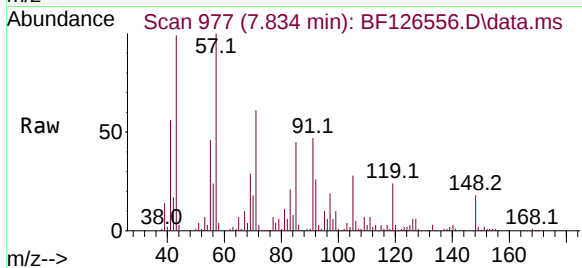
Tgt Ion: 93 Resp: 10349

Ion Ratio Lower Upper

93 100

95 289.0 25.4 38.2#

123 73.9 8.9 13.3#



#32

Benzoic acid

Concen: 8.255 ng

RT: 7.863 min Scan# 982

Delta R.T. 0.018 min

Lab File: BF126556.D

Acq: 7 Jan 2022 21:39

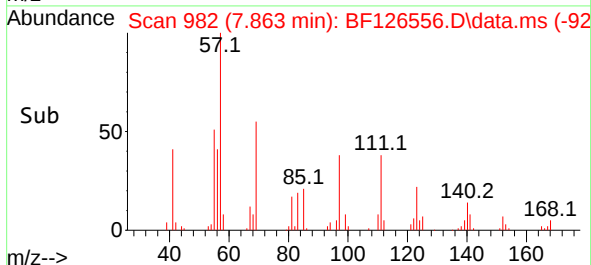
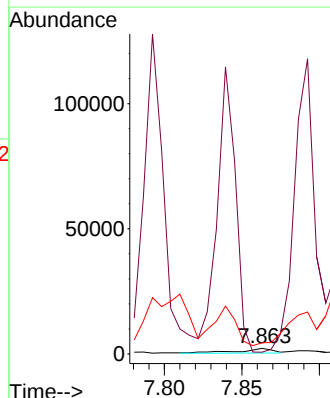
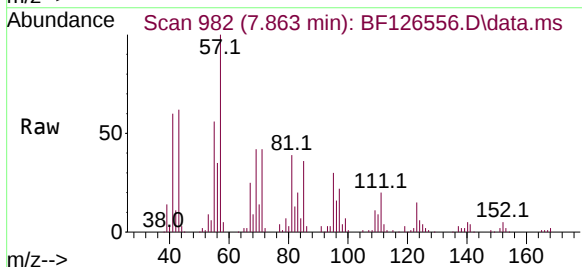
Tgt Ion:122 Resp: 3018

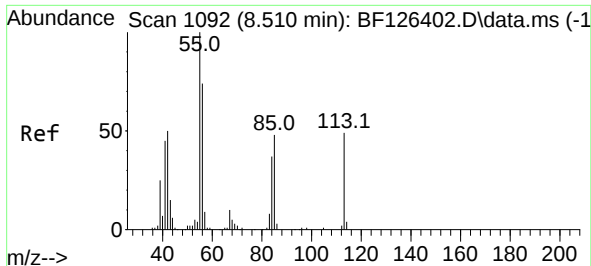
Ion Ratio Lower Upper

122 100

105 30.7 101.0 141.0#

77 197.9 74.5 114.5#

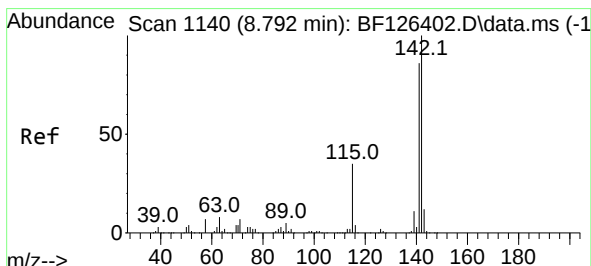
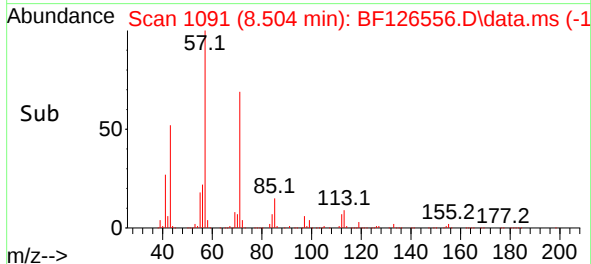
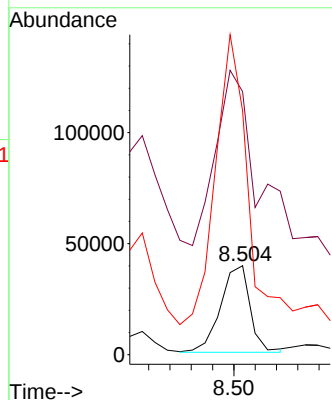
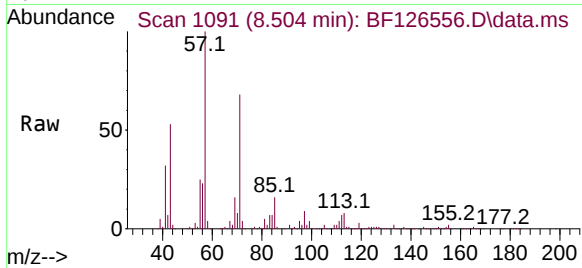




#35
 Caprolactam
 Concen: 53.949 ng
 RT: 8.504 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF126556.D
 Acq: 7 Jan 2022 21:39

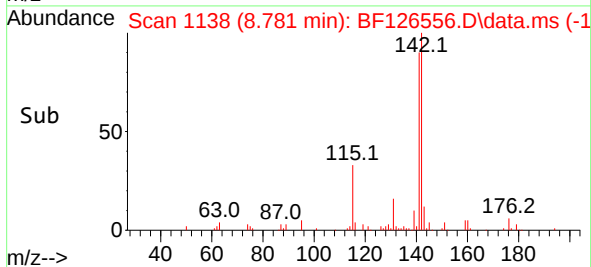
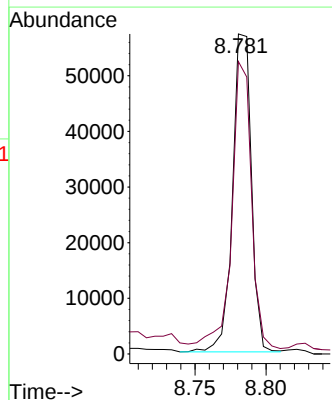
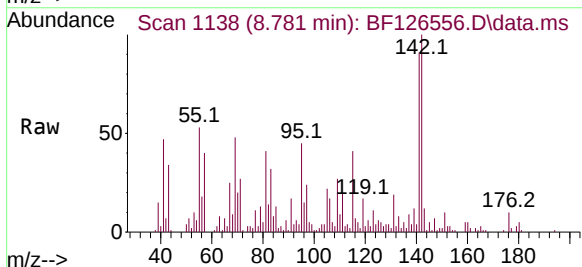
Instrument :
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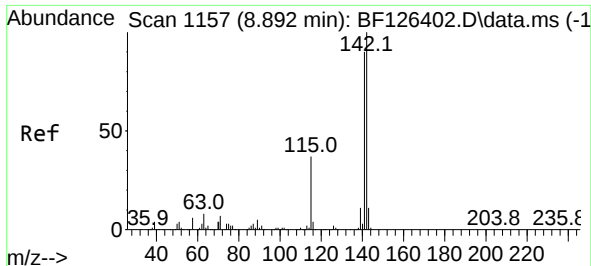
Tgt Ion:113 Resp: 37702
 Ion Ratio Lower Upper
 113 100
 55 295.7 183.9 223.9#
 56 274.1 129.9 169.9#



#37
 2-Methylnaphthalene
 Concen: 8.500 ng
 RT: 8.781 min Scan# 1138
 Delta R.T. 0.000 min
 Lab File: BF126556.D
 Acq: 7 Jan 2022 21:39

Tgt Ion:142 Resp: 52705
 Ion Ratio Lower Upper
 142 100
 141 91.3 68.6 102.8

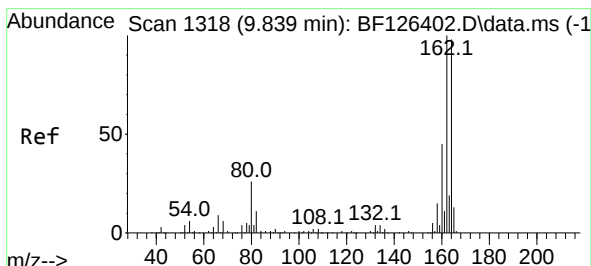
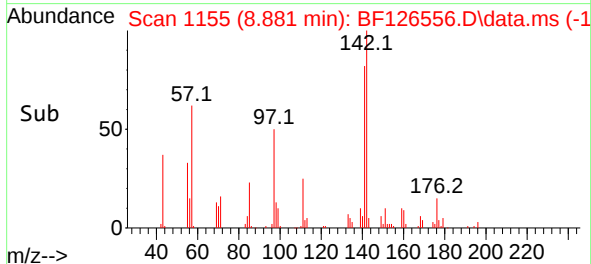
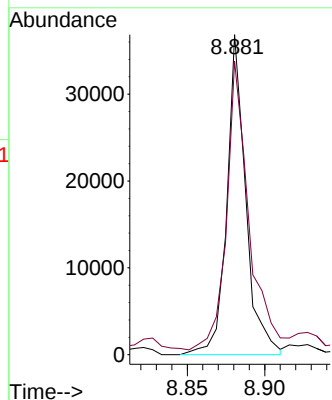
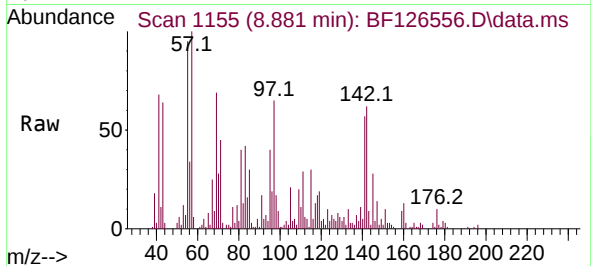




#38
1-Methylnaphthalene
Concen: 5.230 ng
RT: 8.881 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

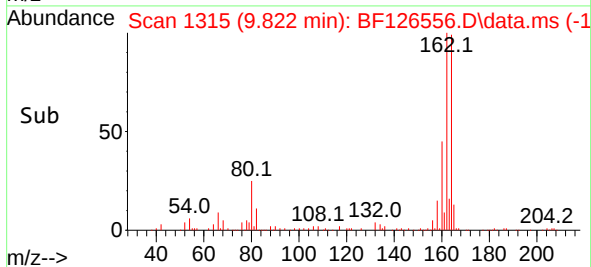
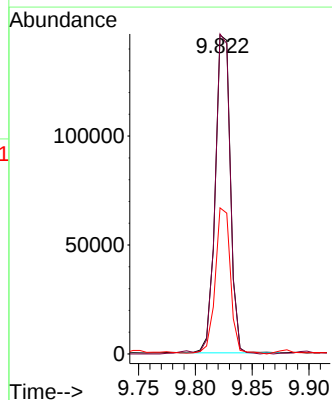
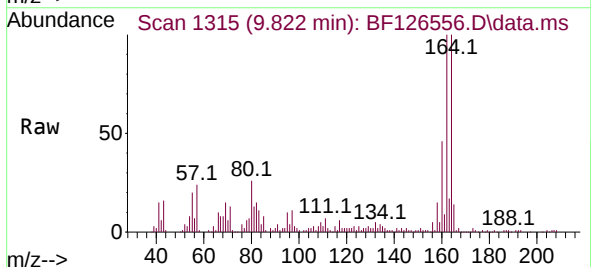
Instrument :
BNA_F
ClientSampleId :
HR-03-010622

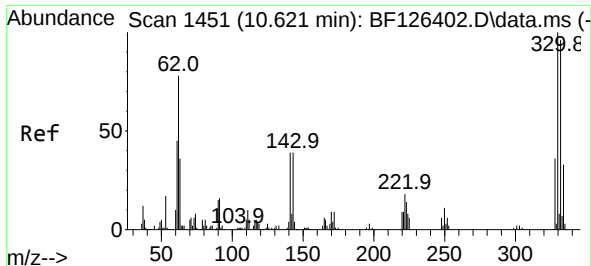
Tgt Ion:142 Resp: 31352
Ion Ratio Lower Upper
142 100
141 91.7 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion:164 Resp: 135224
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 45.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 13.652 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF126556.D

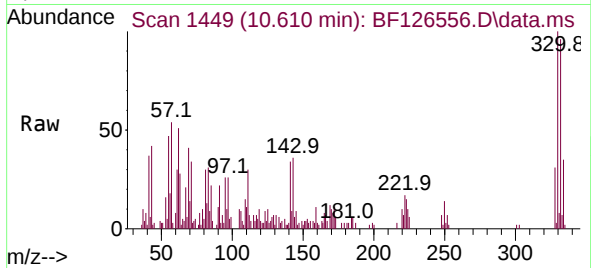
Acq: 7 Jan 2022 21:39

Instrument :

BNA_F

ClientSampleId :

HR-03-010622



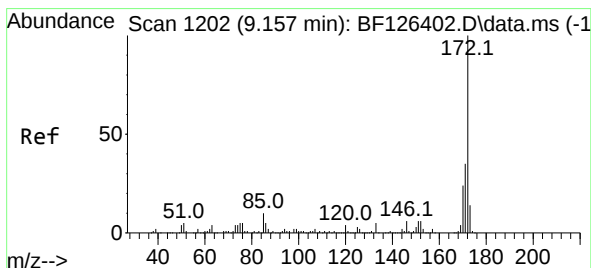
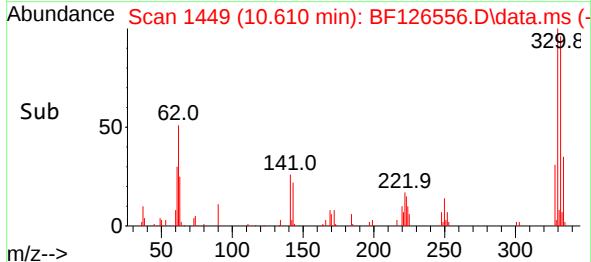
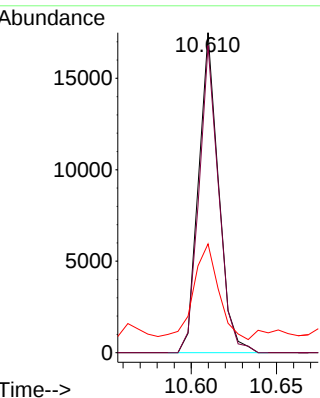
Tgt Ion:330 Resp: 14266

Ion Ratio Lower Upper

330 100

332 94.9 76.0 114.0

141 37.7 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 12.015 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF126556.D

Acq: 7 Jan 2022 21:39

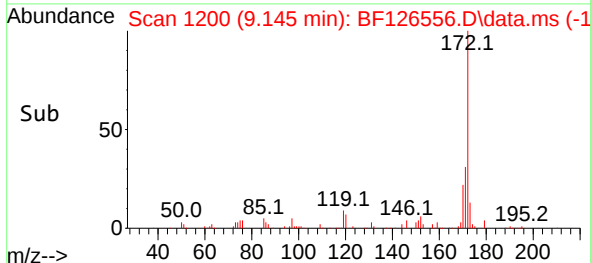
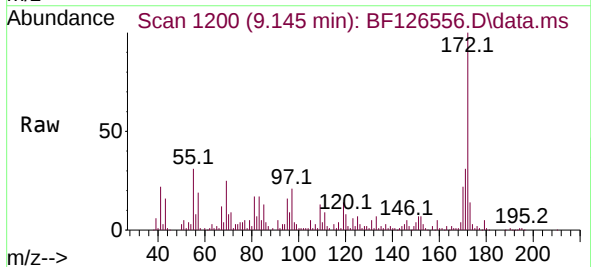
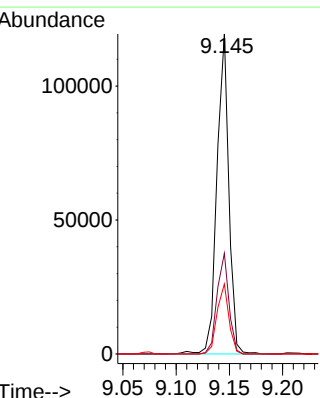
Tgt Ion:172 Resp: 92324

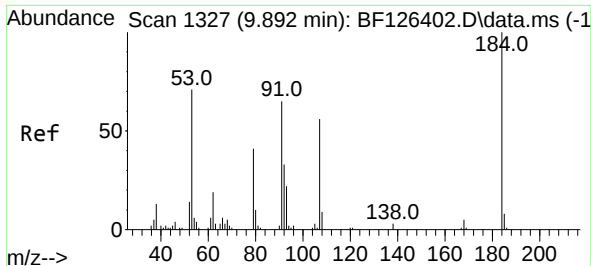
Ion Ratio Lower Upper

172 100

171 31.5 28.3 42.5

170 21.8 19.0 28.6

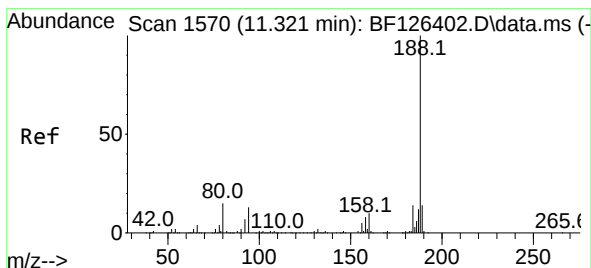
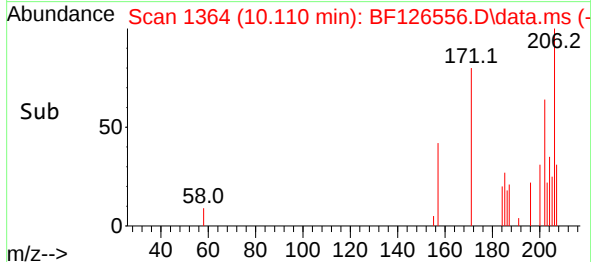
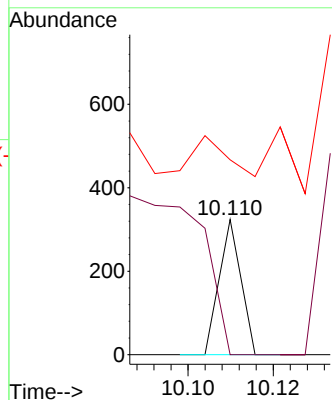
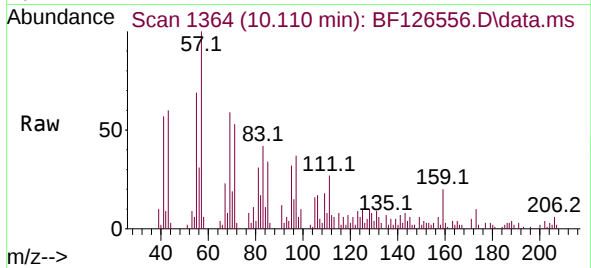




#54
2,4-Dinitrophenol
Concen: 4.120 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

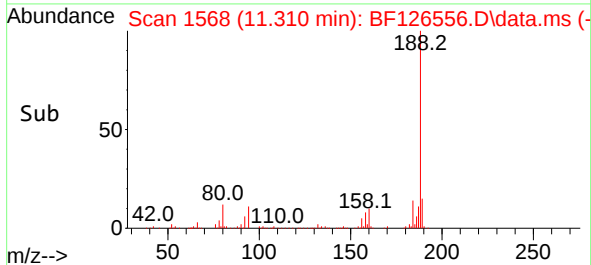
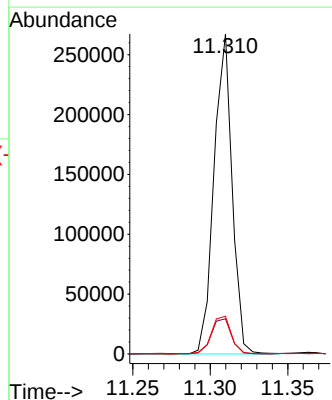
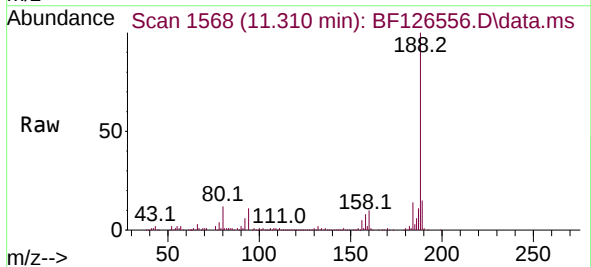
Instrument :
BNA_F
ClientSampleId :
HR-03-010622

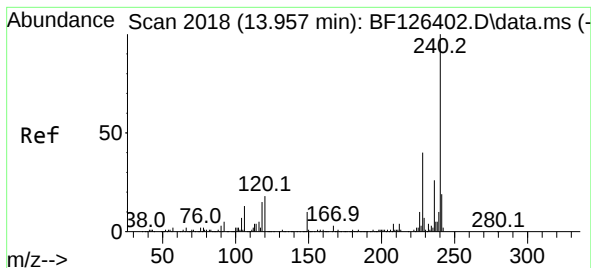
Tgt Ion:184 Resp: 114
Ion Ratio Lower Upper
184 100
63 0.0 70.4 105.6#
154 144.1 49.7 74.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF126556.D
Acq: 7 Jan 2022 21:39

Tgt Ion:188 Resp: 216943
Ion Ratio Lower Upper
188 100
94 11.0 10.1 15.1
80 11.8 11.8 17.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF126556.D

Acq: 7 Jan 2022 21:39

Instrument :

BNA_F

ClientSampleId :

HR-03-010622

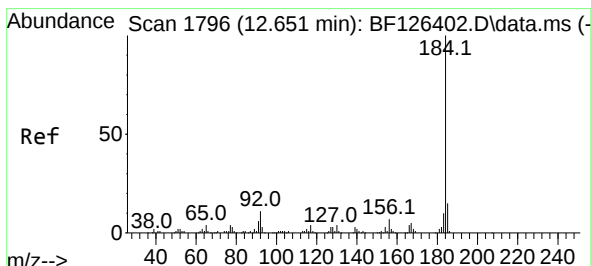
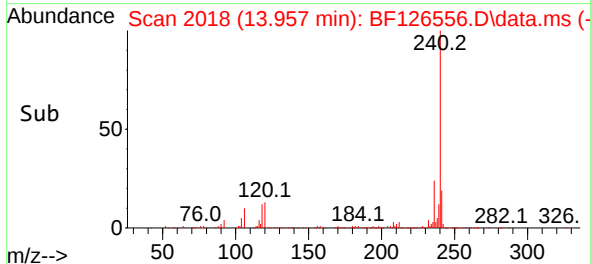
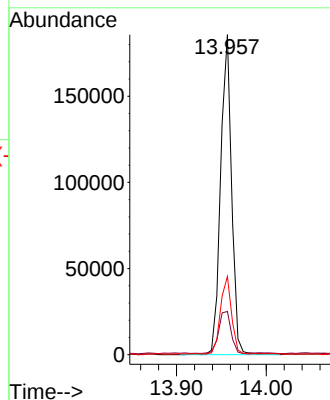
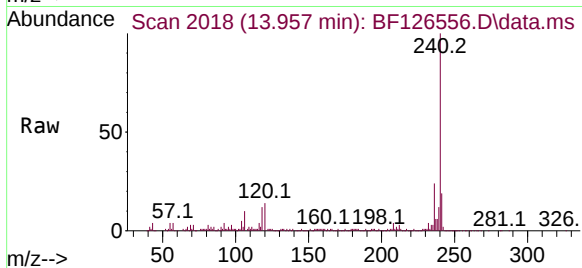
Tgt Ion:240 Resp: 157984

Ion Ratio Lower Upper

240 100

120 13.5 14.4 21.6#

236 24.4 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.657 min Scan# 1797

Delta R.T. 0.018 min

Lab File: BF126556.D

Acq: 7 Jan 2022 21:39

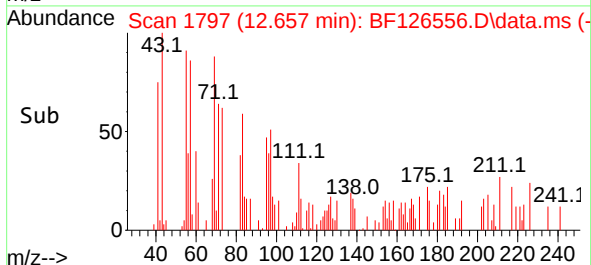
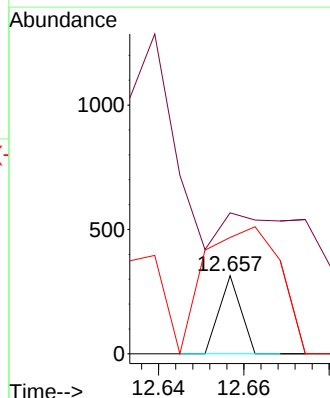
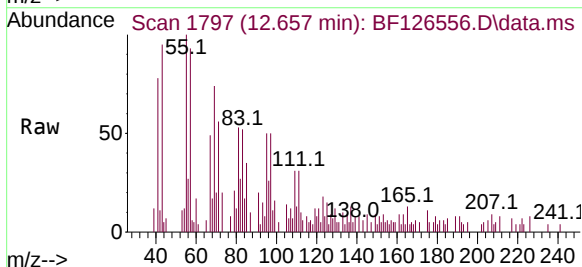
Tgt Ion:184 Resp: 111

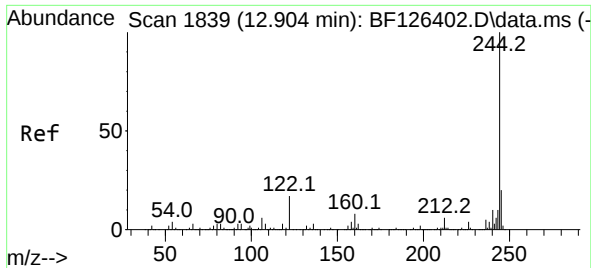
Ion Ratio Lower Upper

184 100

185 180.6 11.8 17.8#

183 149.0 8.2 12.2#

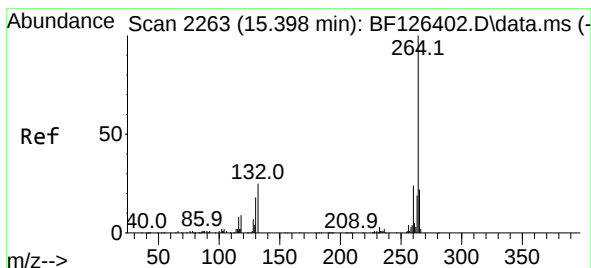
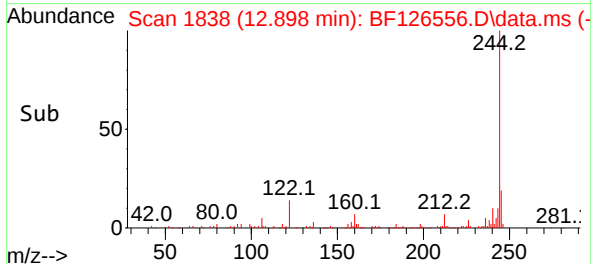
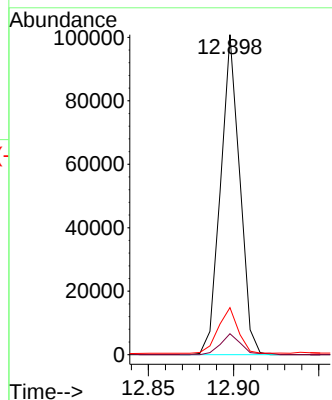
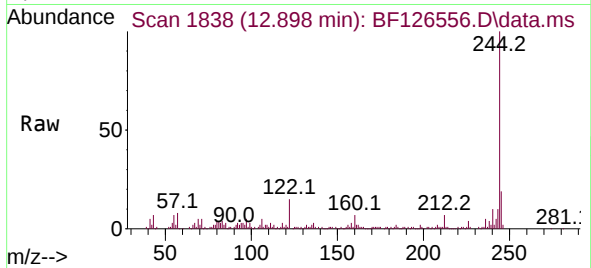




#79
 Terphenyl-d14
 Concen: 9.707 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF126556.D
 Acq: 7 Jan 2022 21:39

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-010622

Tgt Ion:244 Resp: 78927
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 14.7 13.3 19.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. 0.029 min
 Lab File: BF126556.D
 Acq: 7 Jan 2022 21:39

Tgt Ion:264 Resp: 116417
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.9 17.4 26.2

