

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126557.D
 Acq On : 7 Jan 2022 22:05
 Operator : JU/CG
 Sample : N1068-01 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-010622

Quant Time: Jan 08 04:41:10 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)

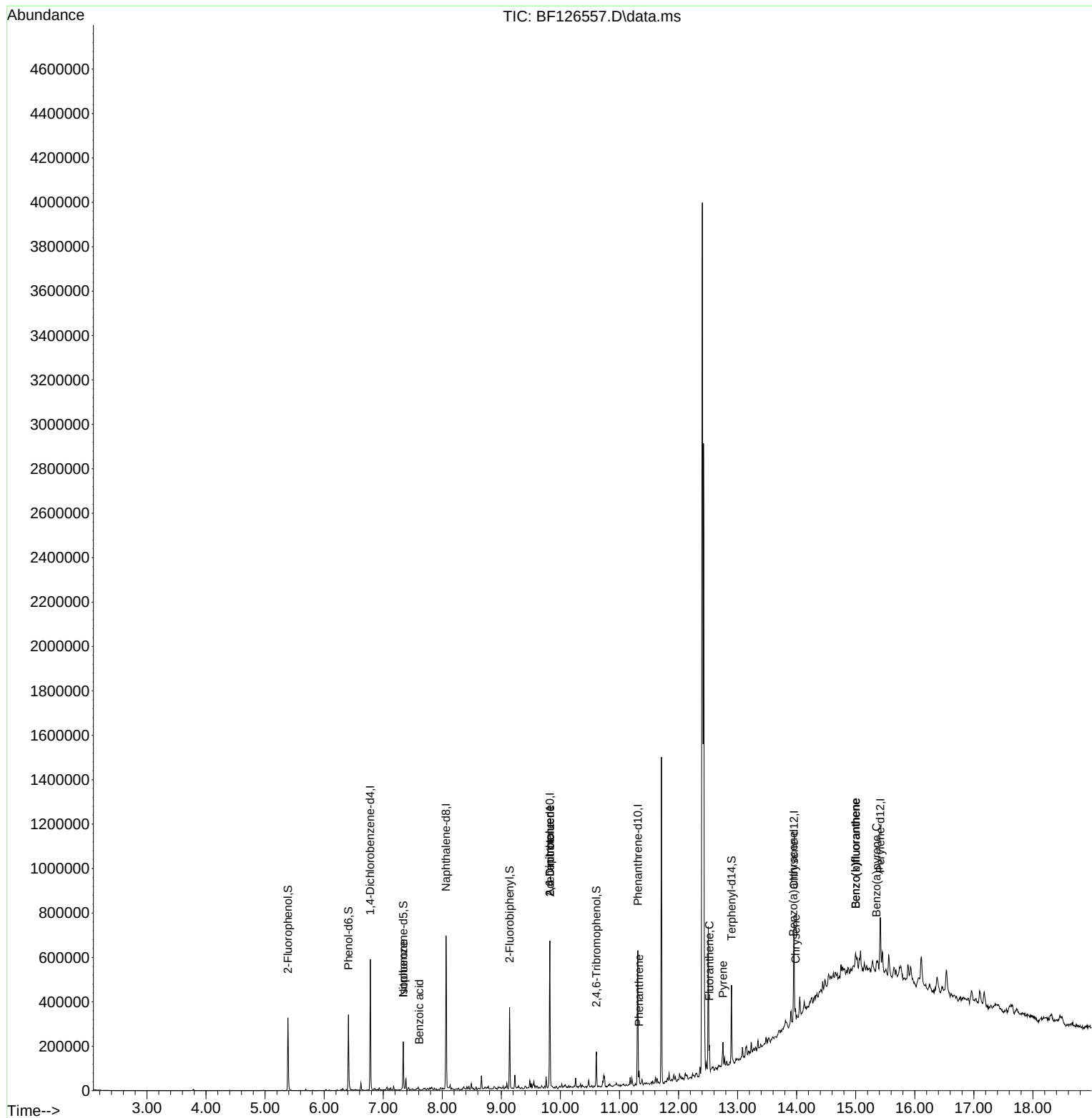
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	77295	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	290658	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	125071	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	210425	20.000	ng	0.00
76) Chrysene-d12	13.957	240	141127	20.000	ng	# 0.00
86) Perylene-d12	15.416	264	103540	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	95393	17.723	ng	0.00
7) Phenol-d6	6.410	99	111908	16.052	ng	-0.01
23) Nitrobenzene-d5	7.340	82	64003	11.306	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	17931	18.553	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	107569	15.135	ng	-0.01
79) Terphenyl-d14	12.898	244	104193	14.345	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.340	82	63893	6.305	ng	# 69
32) Benzoic acid	7.610	122	155	7.122	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	16509	9.791	ng	# 20
57) 2,4-Dinitrotoluene	9.822	165	16509	7.589	ng	# 14
71) Phenanthrene	11.333	178	22890	2.128	ng	96
75) Fluoranthene	12.522	202	41297	4.206	ng	100
77) Benzidine	12.627	184	393	Below Cal	#	1
78) Pyrene	12.751	202	39879	3.344	ng	98
81) Benzo(a)anthracene	13.945	228	18993	2.340	ng	# 84
83) Chrysene	13.980	228	21437	2.575	ng	# 92
88) Benzo(b)fluoranthene	14.998	252	28326	4.592	ng	# 60
89) Benzo(k)fluoranthene	14.998	252	28326	4.741	ng	# 59
90) Benzo(a)pyrene	15.351	252	14997	2.900	ng	# 50

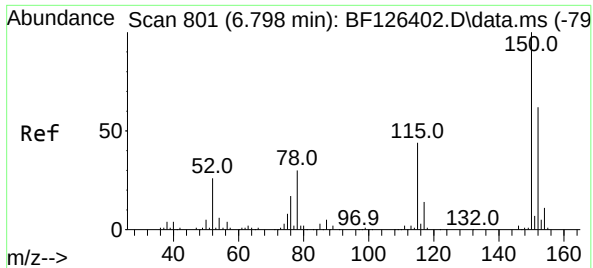
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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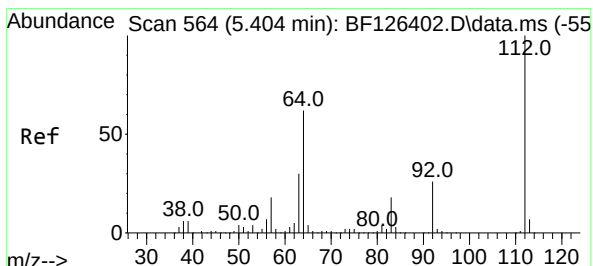
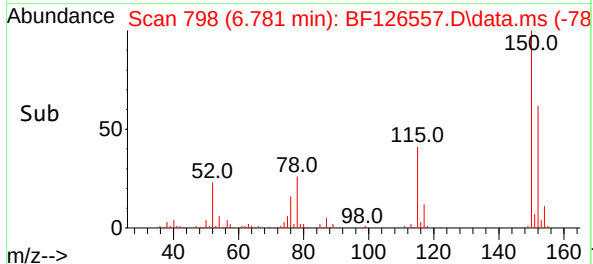
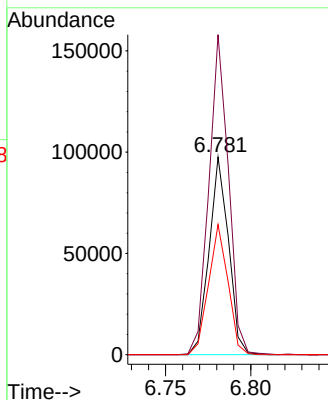
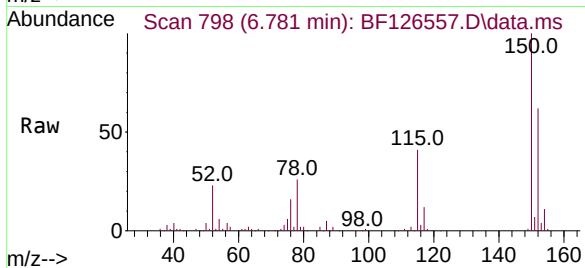




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF126557.D
 Acq: 7 Jan 2022 22:05

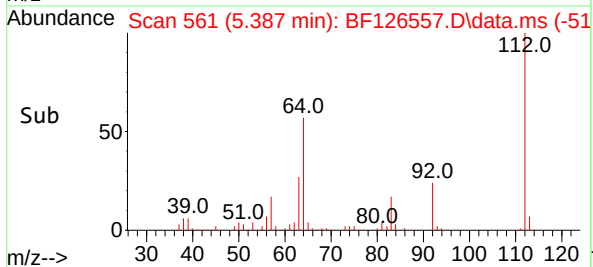
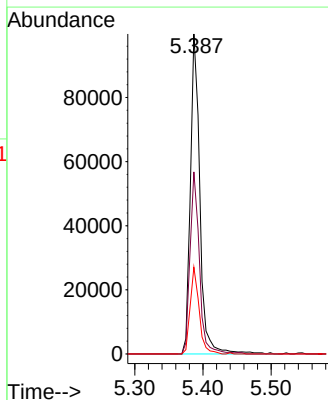
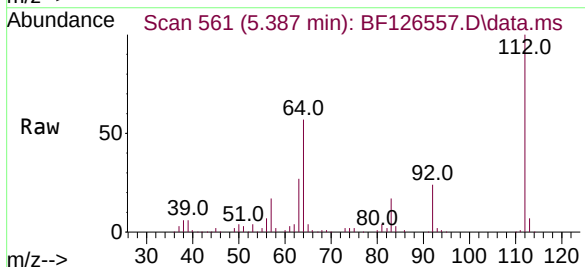
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-010622

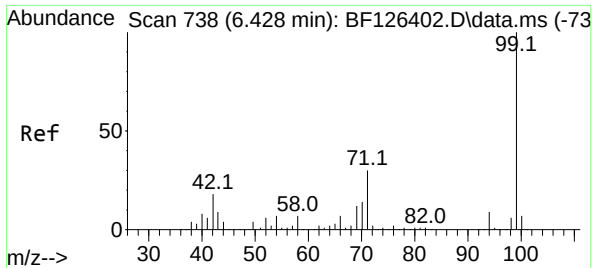
Tgt Ion:152 Resp: 77295
 Ion Ratio Lower Upper
 152 100
 150 162.0 128.1 192.1
 115 65.8 56.7 85.1



#5
 2-Fluorophenol
 Concen: 17.723 ng
 RT: 5.387 min Scan# 561
 Delta R.T. -0.006 min
 Lab File: BF126557.D
 Acq: 7 Jan 2022 22:05

Tgt Ion:112 Resp: 95393
 Ion Ratio Lower Upper
 112 100
 64 56.9 49.5 74.3
 63 27.1 23.9 35.9

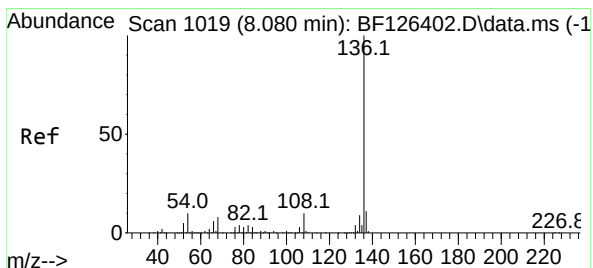
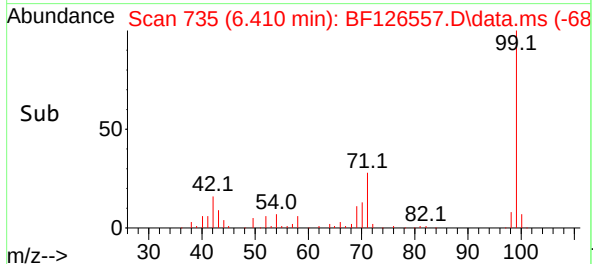
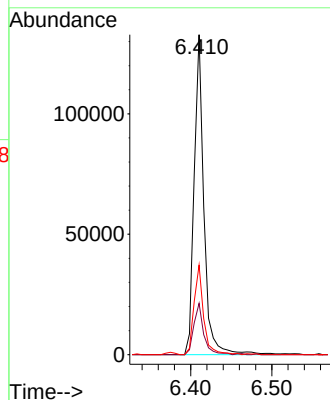
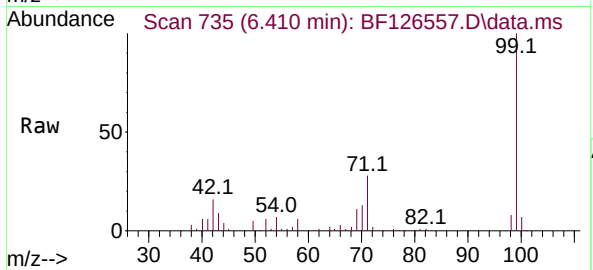




#7
Phenol-d6
Concen: 16.052 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

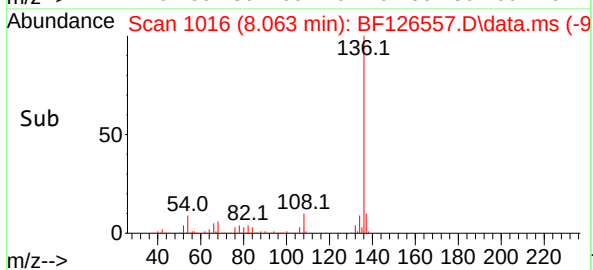
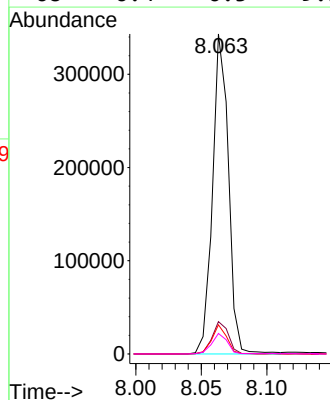
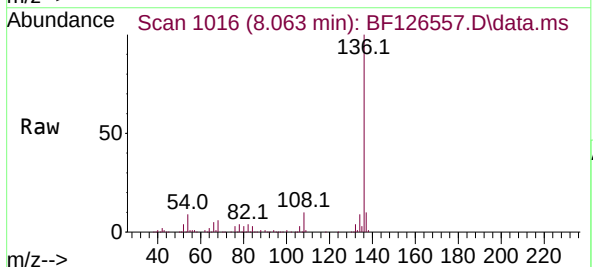
Instrument :
BNA_F
ClientSampleId :
TR-05-010622

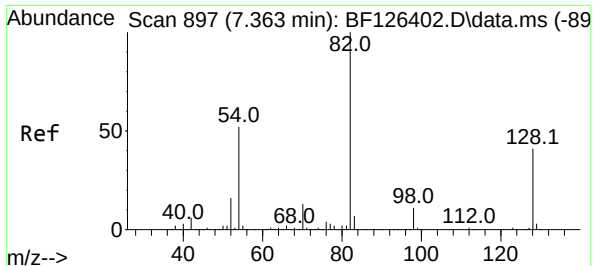
Tgt Ion: 99 Resp: 111908
Ion Ratio Lower Upper
99 100
42 16.1 14.2 21.4
71 28.0 24.3 36.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

Tgt Ion: 136 Resp: 290658
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 9.1 7.8 11.6
68 6.4 6.3 9.5





#23

Nitrobenzene-d5

Concen: 11.306 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF126557.D

Acq: 7 Jan 2022 22:05

Instrument :

BNA_F

ClientSampleId :

TR-05-010622

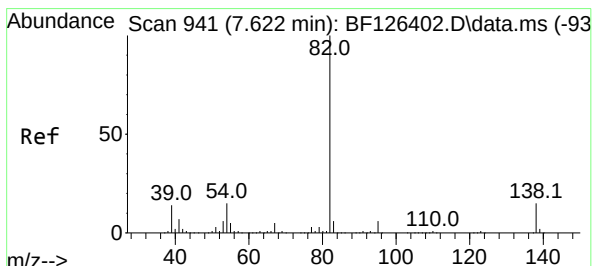
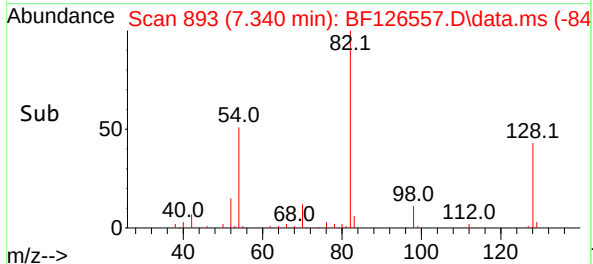
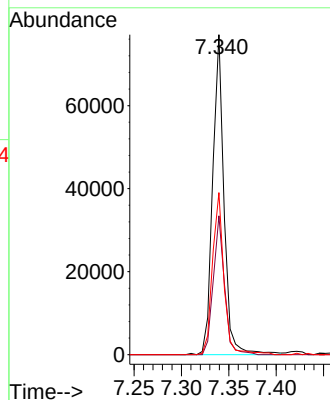
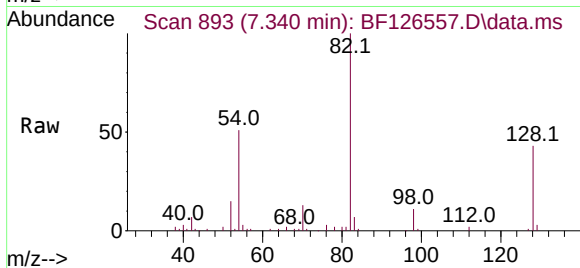
Tgt Ion: 82 Resp: 64003

Ion Ratio Lower Upper

82 100

128 43.4 32.7 49.1

54 50.7 41.7 62.5



#25

Isophorone

Concen: 6.305 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.270 min

Lab File: BF126557.D

Acq: 7 Jan 2022 22:05

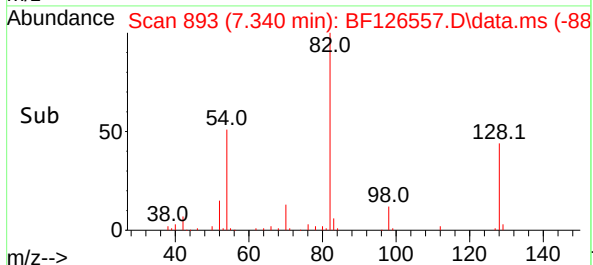
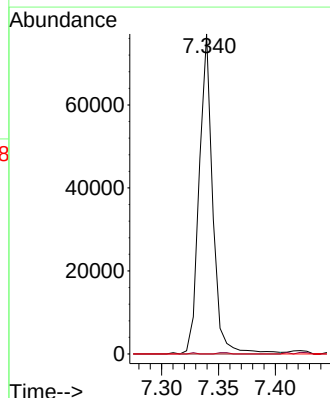
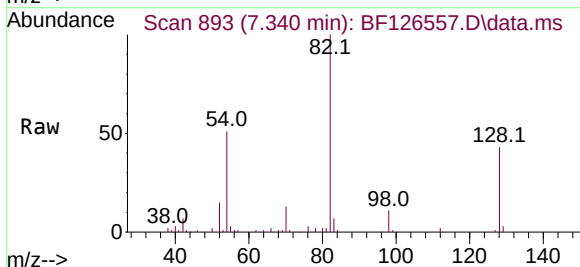
Tgt Ion: 82 Resp: 63893

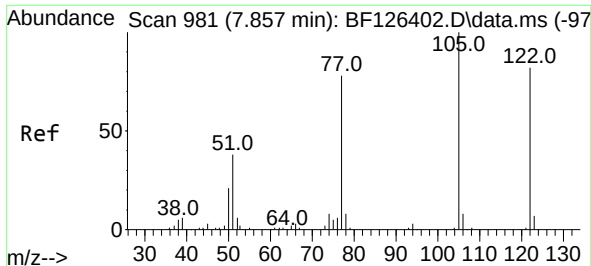
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#

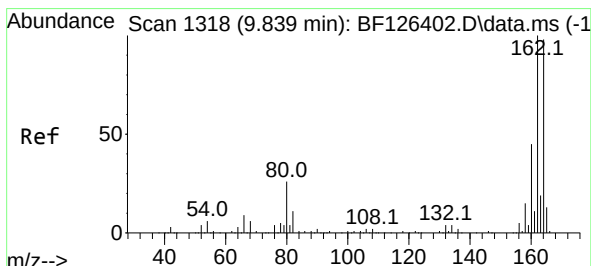
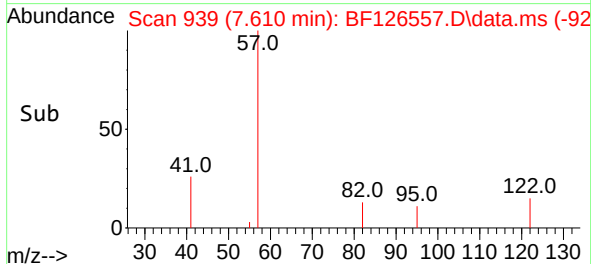
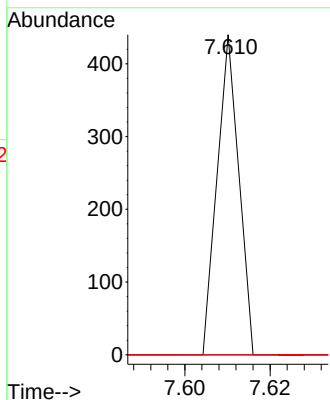
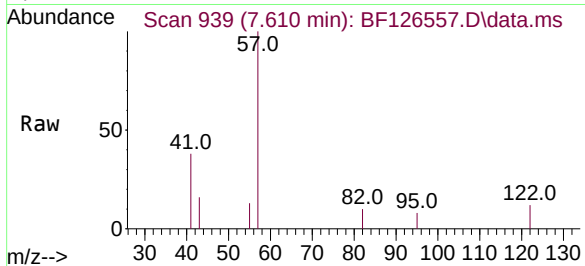




#32
Benzoic acid
Concen: 7.122 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

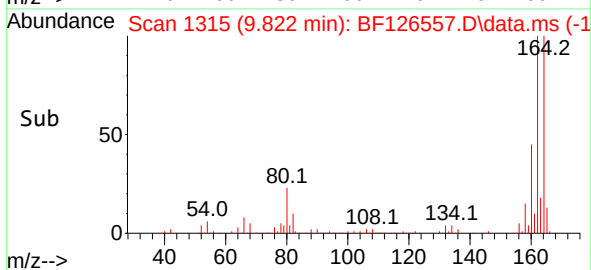
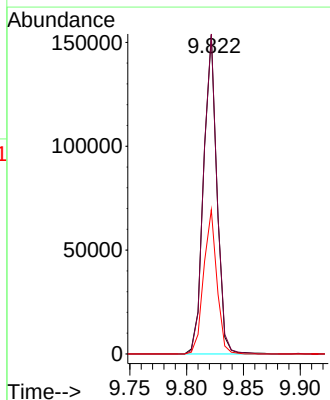
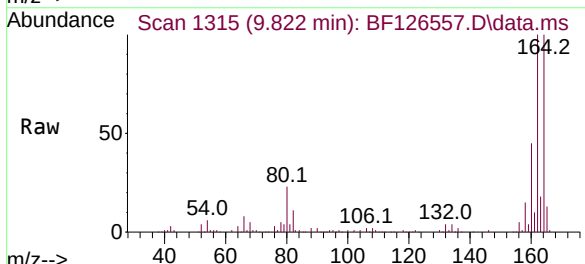
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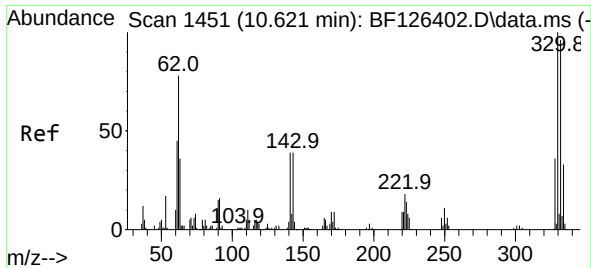
Tgt Ion:122 Resp: 155
Ion Ratio Lower Upper
122 100
105 0.0 101.0 141.0#
77 0.0 74.5 114.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

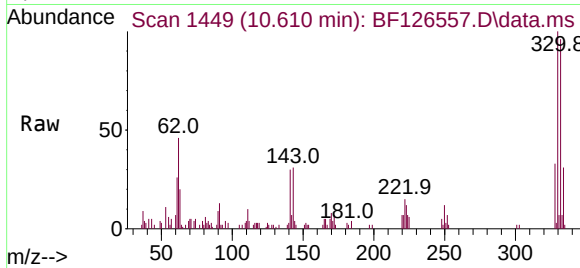
Tgt Ion:164 Resp: 125071
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 45.2 36.6 54.8



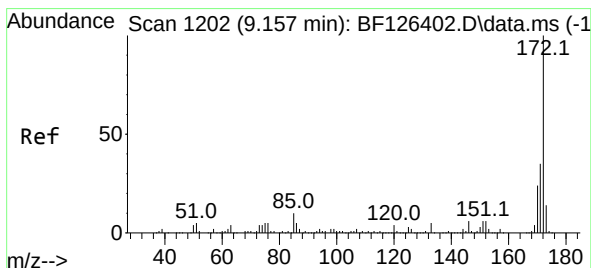
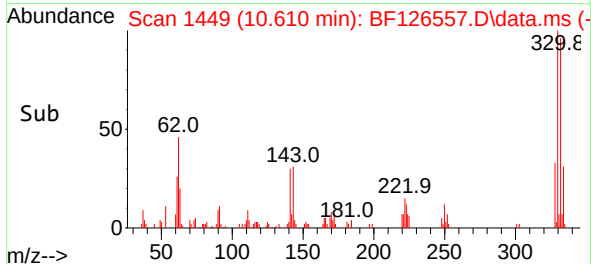
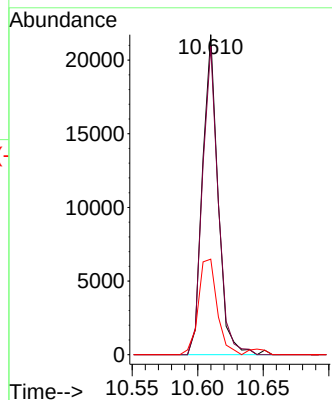


#42
 2,4,6-Tribromophenol
 Concen: 18.553 ng
 RT: 10.610 min Scan# 1451
 Delta R.T. -0.006 min
 Lab File: BF126557.D
 Acq: 7 Jan 2022 22:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-010622

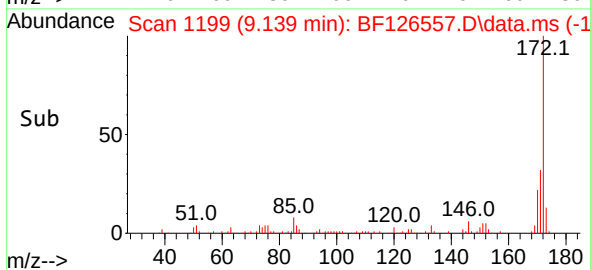
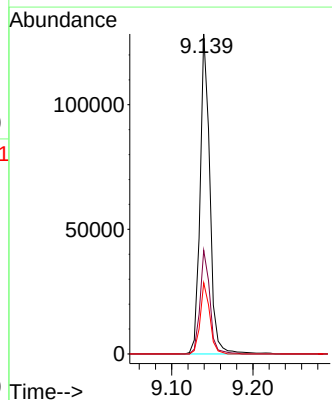
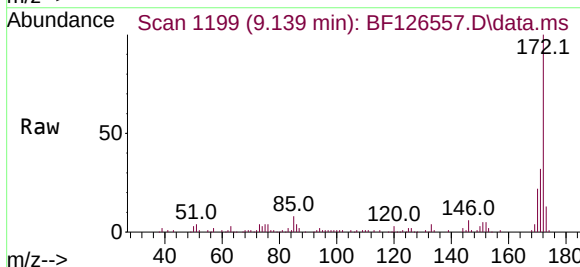


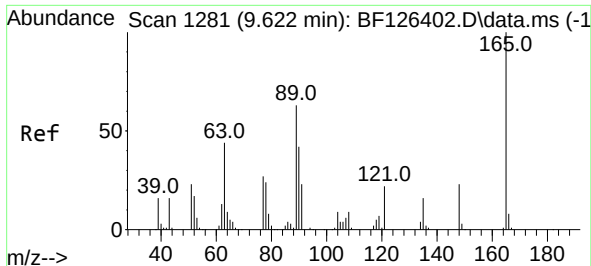
Tgt Ion:330 Resp: 17931
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.0 114.0
 141 36.1 30.1 45.1



#45
 2-Fluorobiphenyl
 Concen: 15.135 ng
 RT: 9.139 min Scan# 1199
 Delta R.T. -0.012 min
 Lab File: BF126557.D
 Acq: 7 Jan 2022 22:05

Tgt Ion:172 Resp: 107569
 Ion Ratio Lower Upper
 172 100
 171 32.4 28.3 42.5
 170 22.3 19.0 28.6

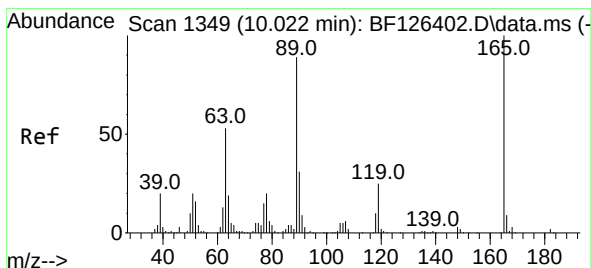
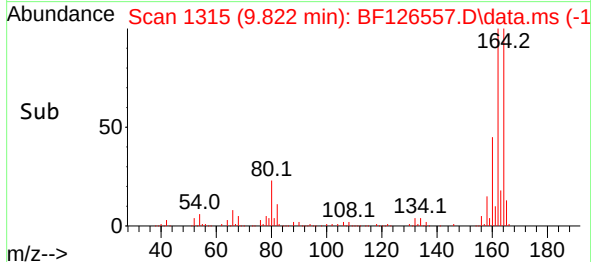
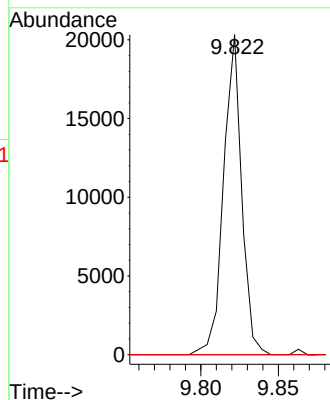
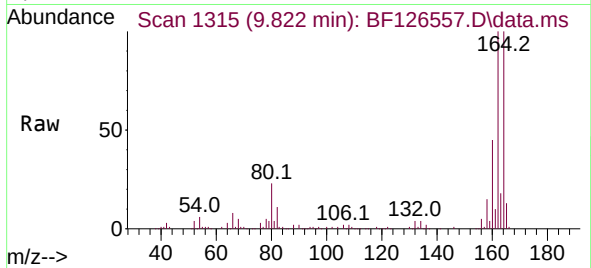




#51
2,6-Dinitrotoluene
Concen: 9.791 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

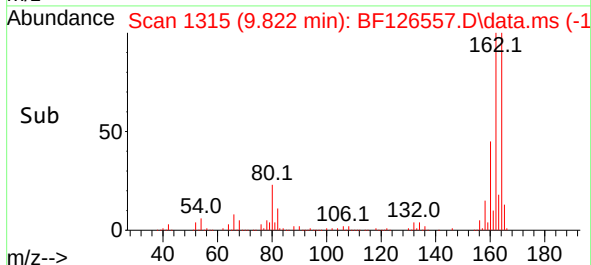
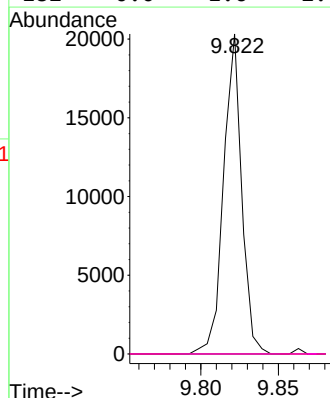
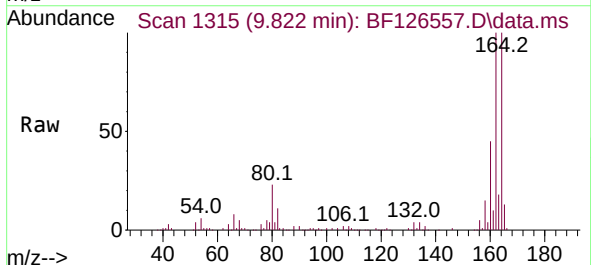
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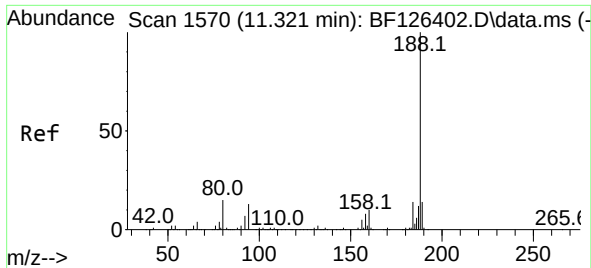
Tgt Ion:165 Resp: 16509
Ion Ratio Lower Upper
165 100
63 0.0 48.4 72.6#
89 0.0 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 7.589 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

Tgt Ion:165 Resp: 16509
Ion Ratio Lower Upper
165 100
63 0.0 43.0 64.6#
89 0.0 71.0 106.4#
182 0.0 1.6 2.4#

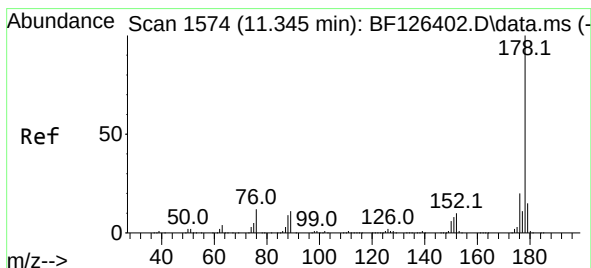
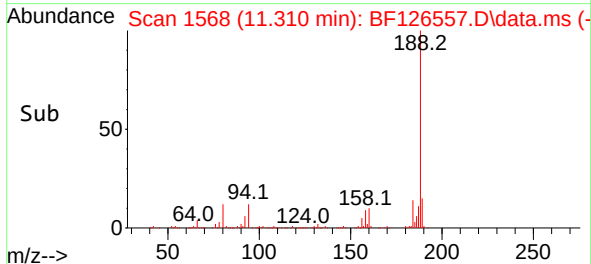
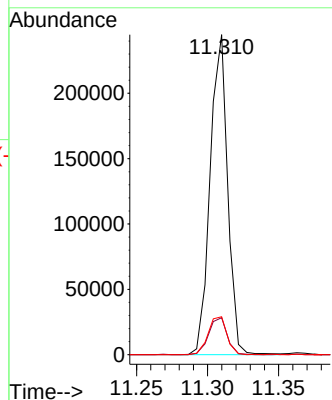
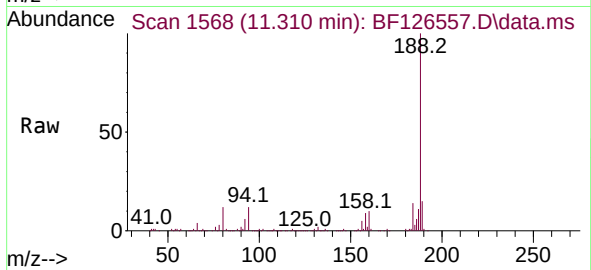




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

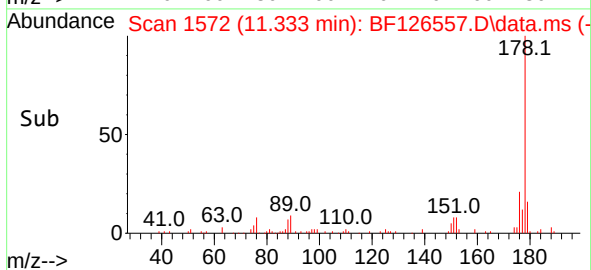
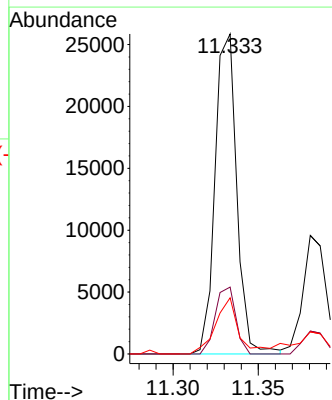
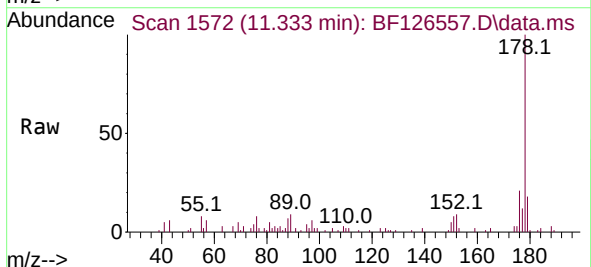
Instrument :
BNA_F
ClientSampleId :
TR-05-010622

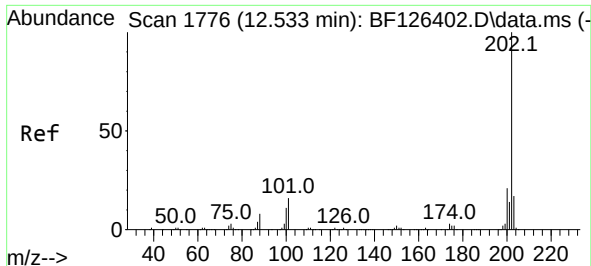
Tgt Ion:188 Resp: 210425
Ion Ratio Lower Upper
188 100
94 11.5 10.1 15.1
80 11.9 11.8 17.6



#71
Phenanthrene
Concen: 2.128 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

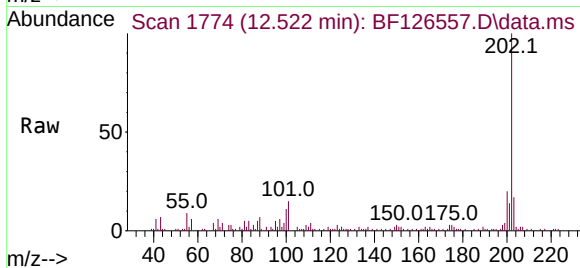
Tgt Ion:178 Resp: 22890
Ion Ratio Lower Upper
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176 20.9 15.7 23.5
179 17.6 12.3 18.5



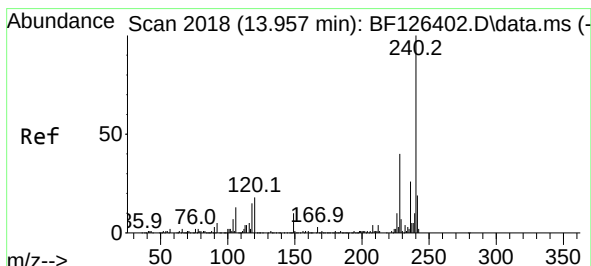
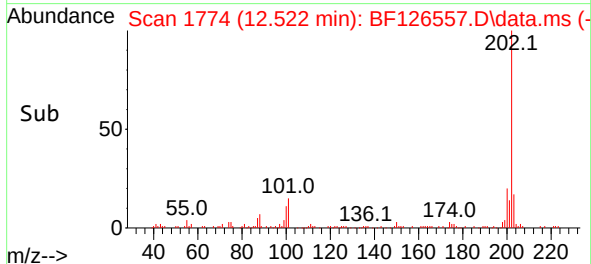
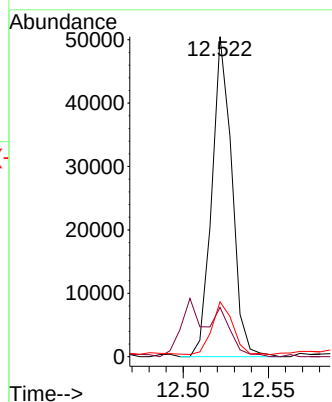


#75
Fluoranthene
Concen: 4.206 ng
RT: 12.522 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

Instrument :
BNA_F
ClientSampleId :
TR-05-010622

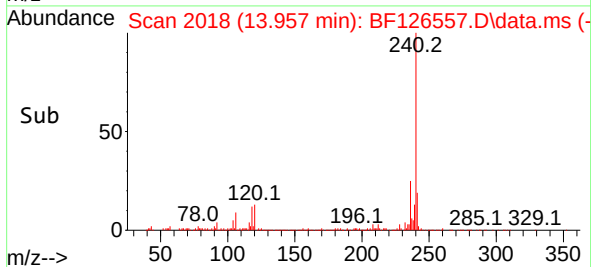
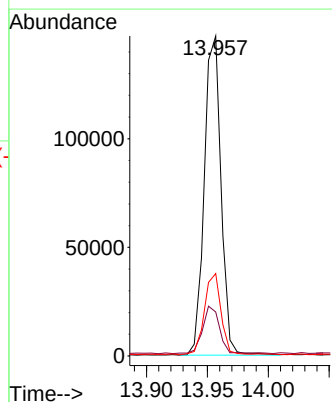
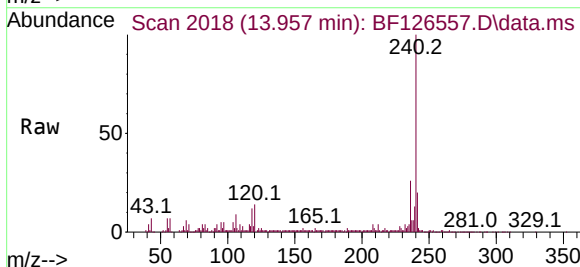


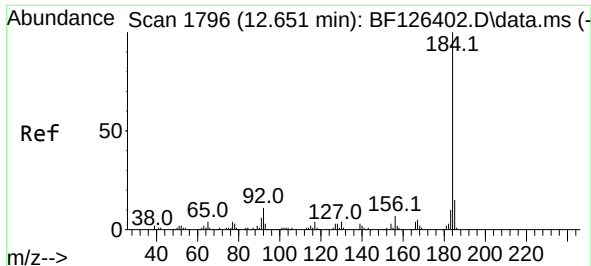
Tgt Ion:202 Resp: 41297
Ion Ratio Lower Upper
202 100
101 15.4 0.0 35.7
203 17.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

Tgt Ion:240 Resp: 141127
Ion Ratio Lower Upper
240 100
120 13.7 14.4 21.6#
236 25.7 20.5 30.7

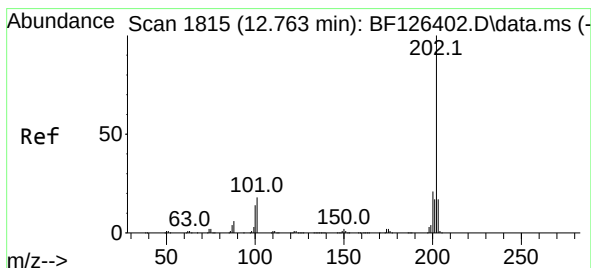
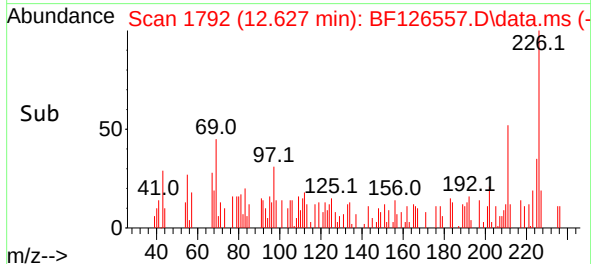
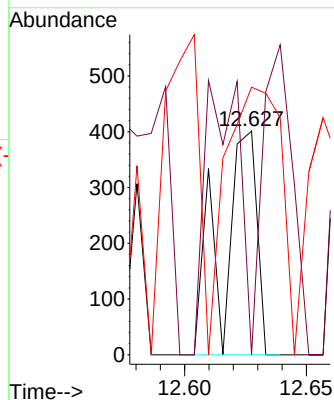
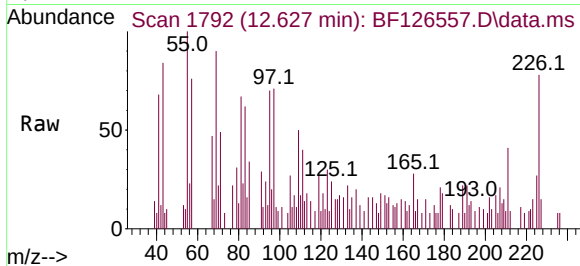




#77
Benzidine
Concen: Below Cal
RT: 12.627 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

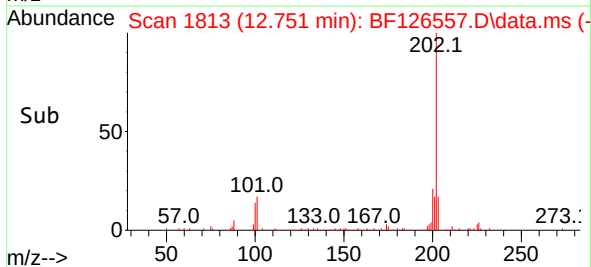
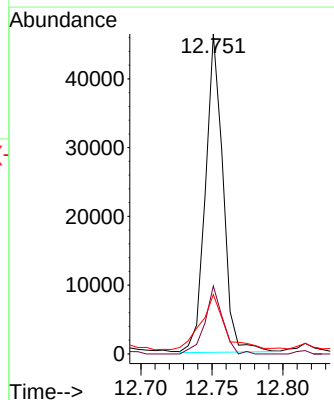
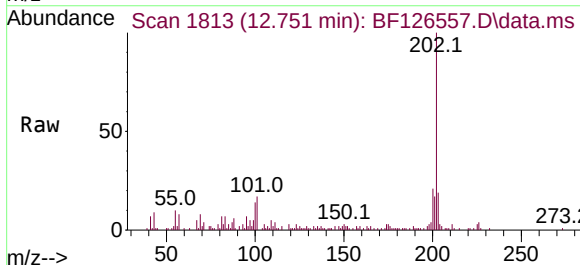
Instrument :
BNA_F
ClientSampleId :
TR-05-010622

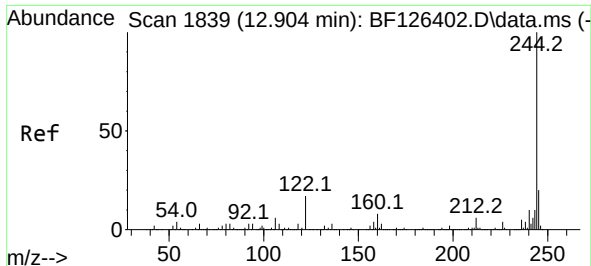
Tgt Ion:184 Resp: 393
Ion Ratio Lower Upper
184 100
185 0.0 11.8 17.8#
183 119.7 8.2 12.2#



#78
Pyrene
Concen: 3.344 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

Tgt Ion:202 Resp: 39879
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.5 13.8 20.8

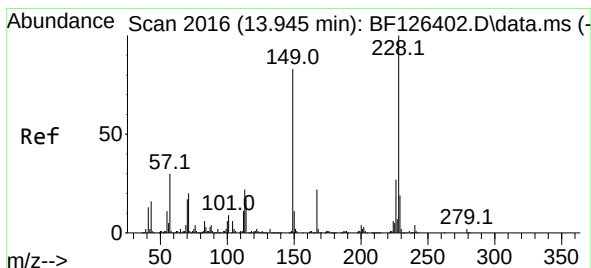
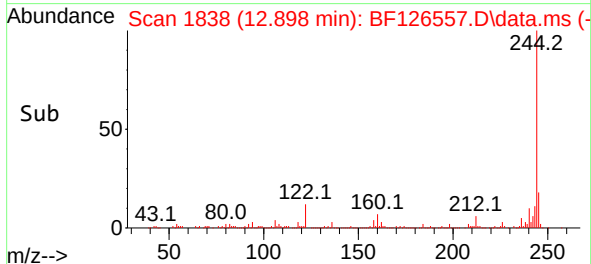
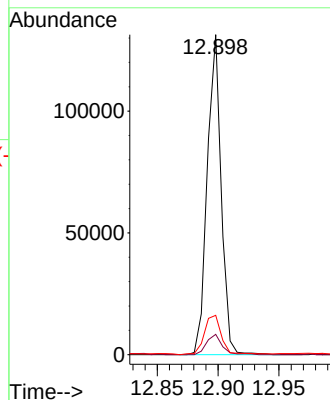
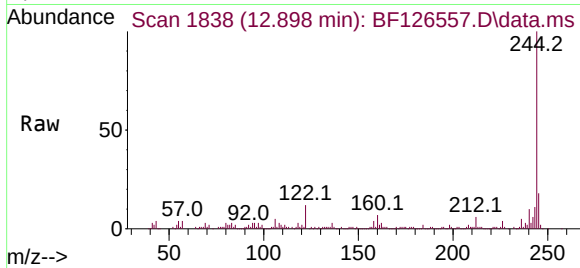




#79
 Terphenyl-d14
 Concen: 14.345 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF126557.D
 Acq: 7 Jan 2022 22:05

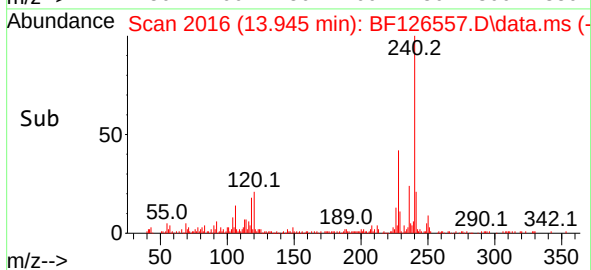
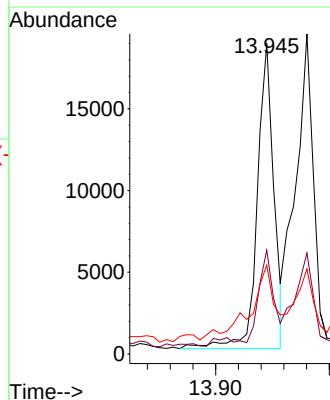
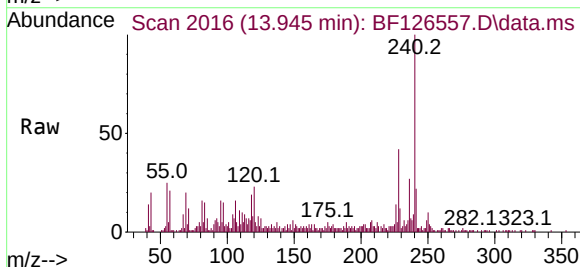
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-010622

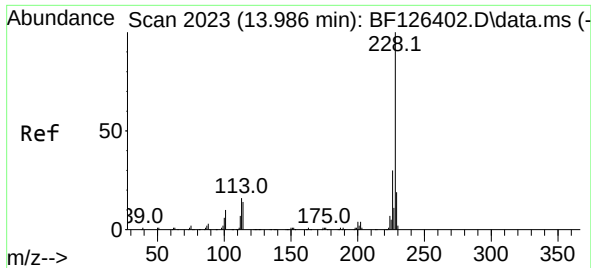
Tgt Ion:244 Resp: 104193
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 12.3 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 2.340 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF126557.D
 Acq: 7 Jan 2022 22:05

Tgt Ion:228 Resp: 18993
 Ion Ratio Lower Upper
 228 100
 226 33.5 21.4 32.0#
 229 28.7 15.4 23.2#





#83

Chrysene

Concen: 2.575 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF126557.D

Acq: 7 Jan 2022 22:05

Instrument :

BNA_F

ClientSampleId :

TR-05-010622

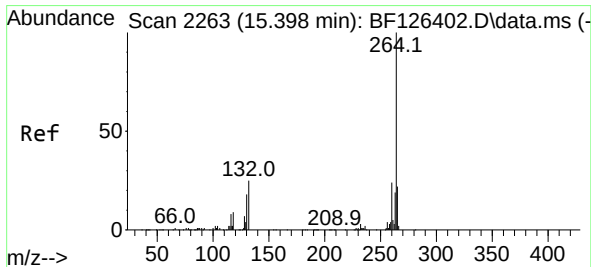
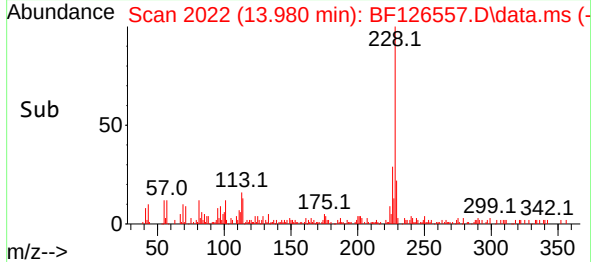
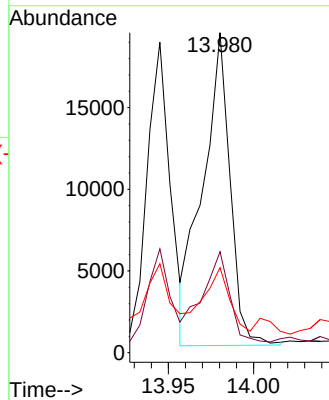
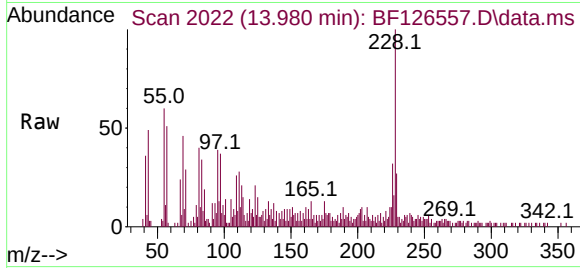
Tgt Ion:228 Resp: 21437

Ion Ratio Lower Upper

228 100

226 31.6 23.7 35.5

229 26.6 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2266

Delta R.T. 0.030 min

Lab File: BF126557.D

Acq: 7 Jan 2022 22:05

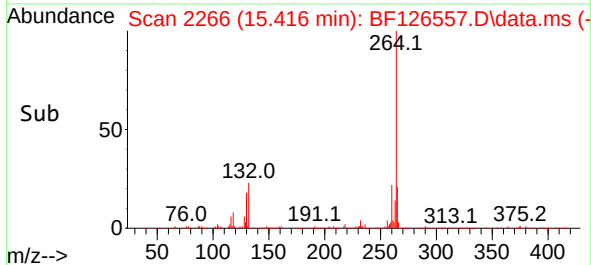
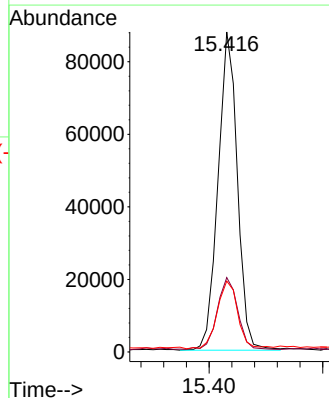
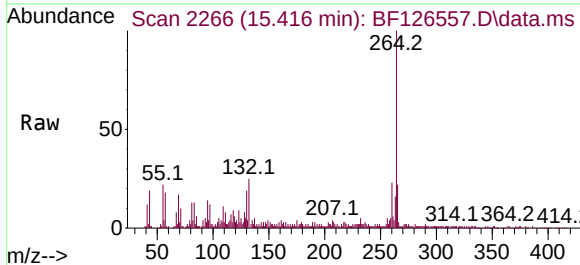
Tgt Ion:264 Resp: 103540

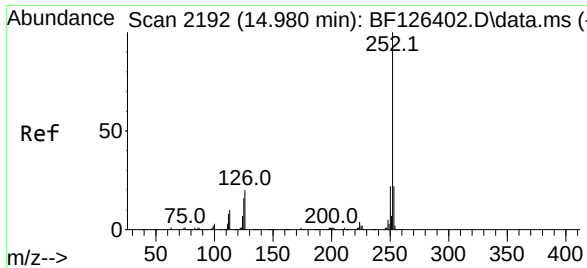
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.2 17.4 26.2

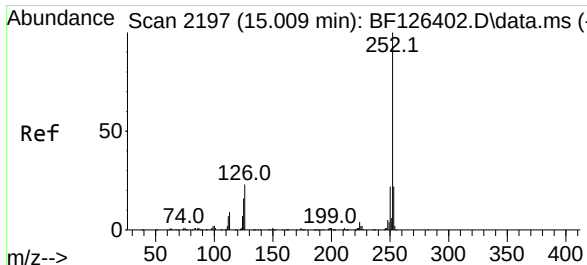
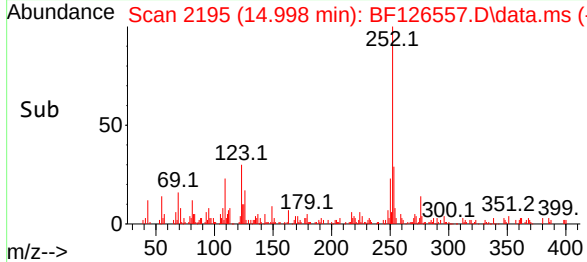
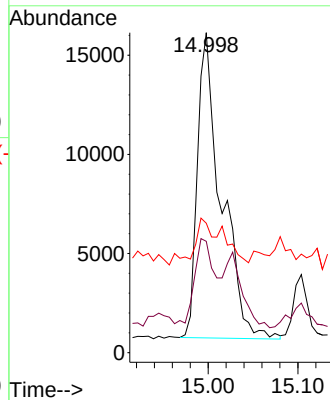
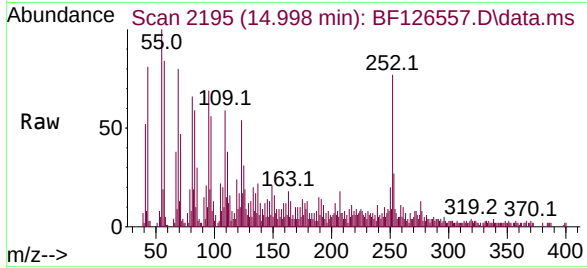




#88
Benzo(b)fluoranthene
Concen: 4.592 ng
RT: 14.998 min Scan# 2195
Delta R.T. 0.024 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

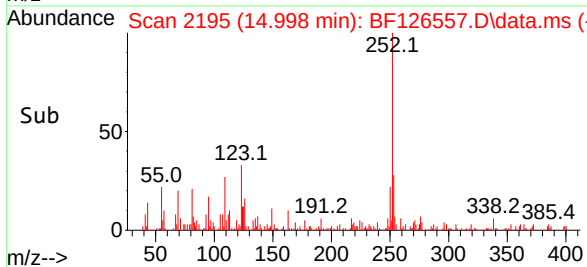
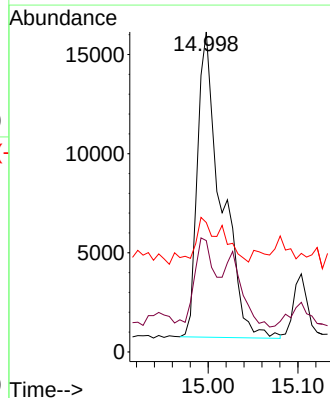
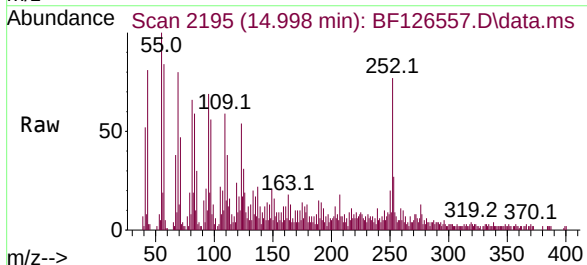
Instrument :
BNA_F
ClientSampleId :
TR-05-010622

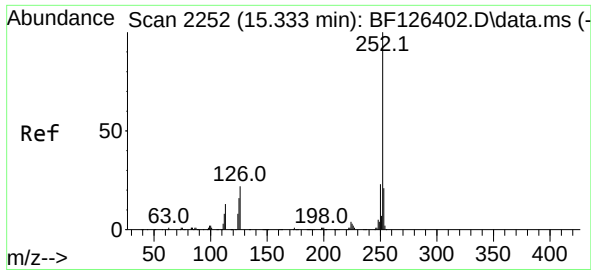
Tgt Ion:252 Resp: 28326
Ion Ratio Lower Upper
252 100
253 34.8 17.8 26.8#
125 40.5 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 4.741 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126557.D
Acq: 7 Jan 2022 22:05

Tgt Ion:252 Resp: 28326
Ion Ratio Lower Upper
252 100
253 34.8 17.5 26.3#
125 40.5 11.8 17.6#





#90

Benzo(a)pyrene

Concen: 2.900 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF126557.D

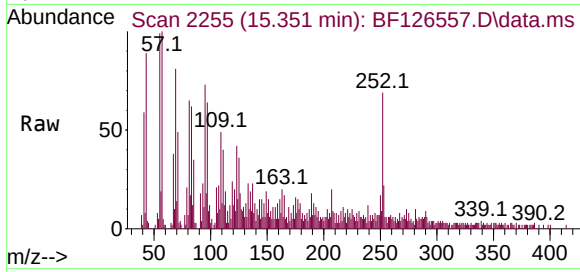
Acq: 7 Jan 2022 22:05

Instrument :

BNA_F

ClientSampleId :

TR-05-010622



Tgt Ion:252 Resp: 14997

Ion Ratio Lower Upper

252 100

253 32.6 17.1 25.7#

125 52.2 13.0 19.6#

