

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
 Data File : BF126463.D
 Acq On : 3 Jan 2022 18:58
 Operator : JU/CG
 Sample : M5257-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D3-12292021

Quant Time: Jan 04 05:21:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

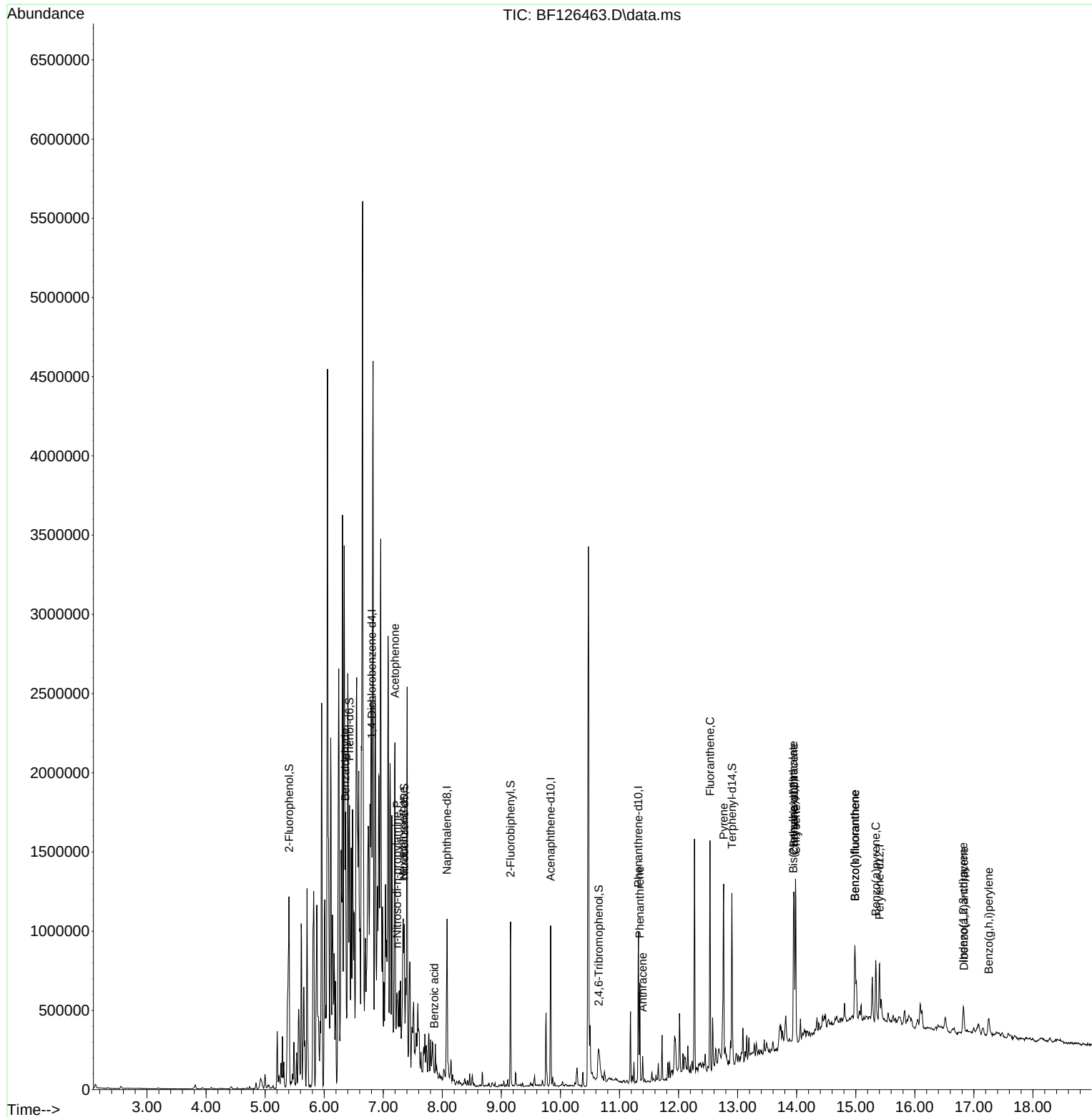
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	91568	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	388058	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	183935	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	327389	20.000	ng	0.00
76) Chrysene-d12	13.957	240	200004	20.000	ng	0.00
86) Perylene-d12	15.404	264	153847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	298276	46.779	ng	0.00
7) Phenol-d6	6.428	99	333155	40.340	ng	0.00
23) Nitrobenzene-d5	7.357	82	218983	28.975	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	66143	46.535	ng	0.03
45) 2-Fluorobiphenyl	9.157	172	306293	29.303	ng	0.00
79) Terphenyl-d14	12.904	244	337140	32.751	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.357	77	12623	2.469	ng	# 1
18) Hexachloroethane	7.334	117	20189	7.989	ng	# 1
19) n-Nitroso-di-n-propyla...	7.234	70	27692	5.876	ng	# 61
22) Acetophenone	7.198	105	165395	18.436	ng	# 47
32) Benzoic acid	7.863	122	1660	7.448	ng	# 34
71) Phenanthrene	11.345	178	224306	13.401	ng	98
72) Anthracene	11.392	178	57698	3.445	ng	99
75) Fluoranthene	12.533	202	511072	33.455	ng	97
77) Benzidine	12.668	184	1073	Below Cal	#	1
78) Pyrene	12.763	202	446061	26.391	ng	99
81) Benzo(a)anthracene	13.951	228	216875	18.855	ng	98
83) Chrysene	13.986	228	204533	17.336	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	54080	6.967	ng	100
87) Indeno(1,2,3-cd)pyrene	16.821	276	94271	9.156	ng	97
88) Benzo(b)fluoranthene	14.986	252	327113	35.692	ng	98
89) Benzo(k)fluoranthene	14.986	252	327113	36.845	ng	97
90) Benzo(a)pyrene	15.339	252	164817	21.448	ng	# 94
91) Dibenzo(a,h)anthracene	16.833	278	24822	2.988	ng	# 81
92) Benzo(g,h,i)perylene	17.251	276	92074	10.408	ng	99

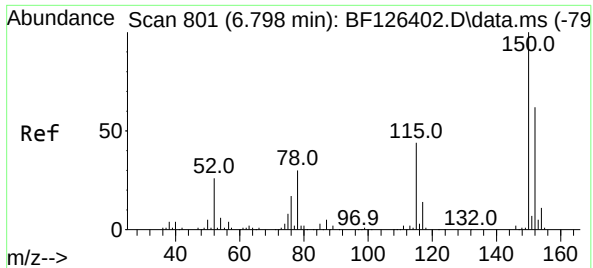
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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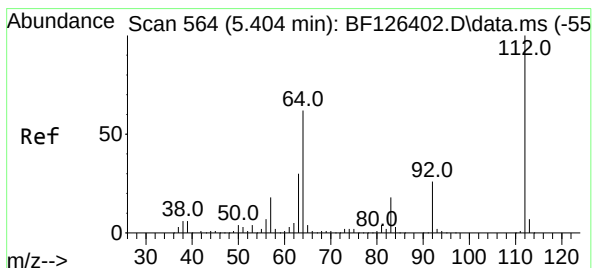
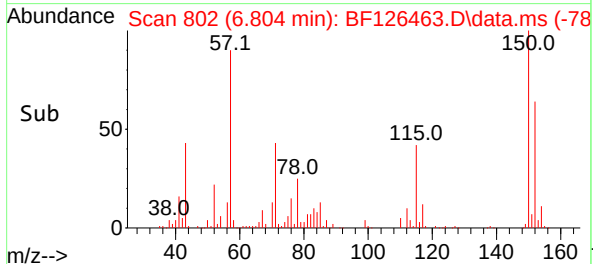
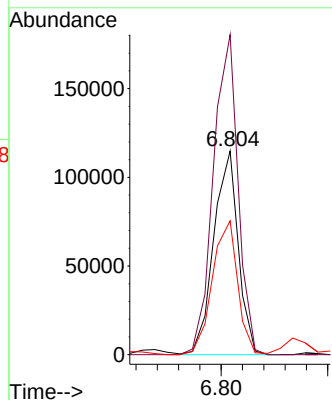
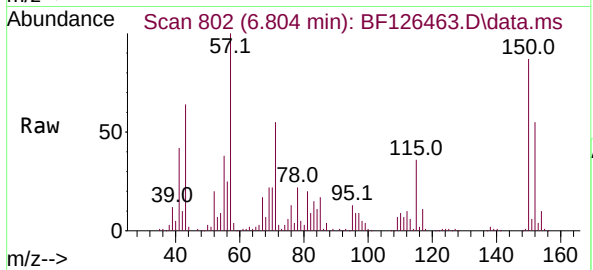




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. 0.006 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

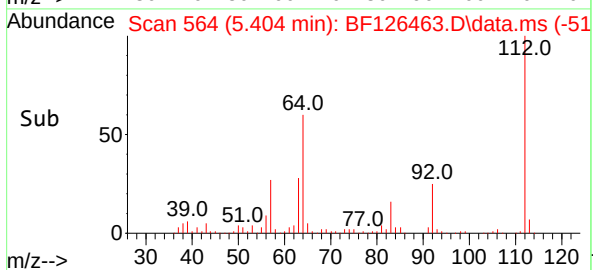
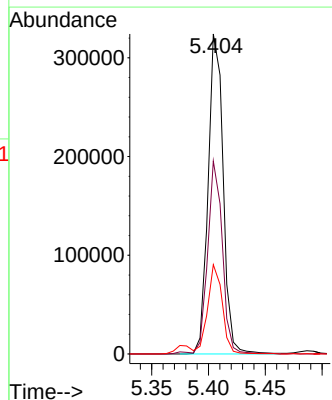
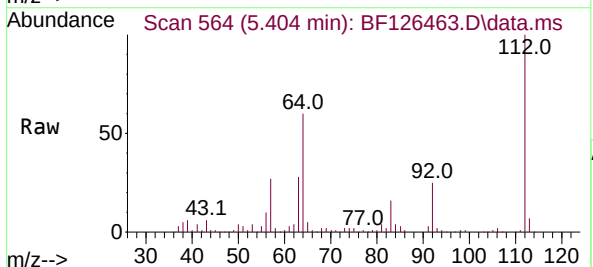
Instrument :
BNA_F
ClientSampleId :
D3-12292021

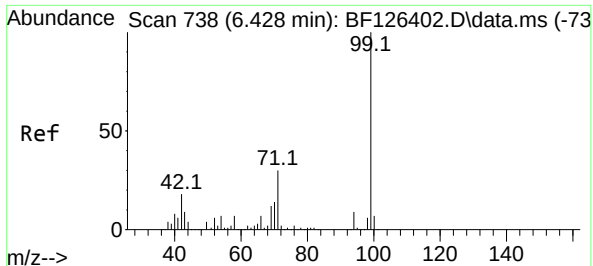
Tgt Ion:152 Resp: 91568
Ion Ratio Lower Upper
152 100
150 157.0 128.1 192.1
115 65.8 56.7 85.1



#5
2-Fluorophenol
Concen: 46.779 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:112 Resp: 298276
Ion Ratio Lower Upper
112 100
64 60.3 49.5 74.3
63 27.9 23.9 35.9

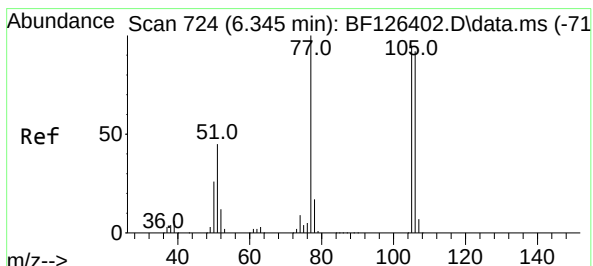
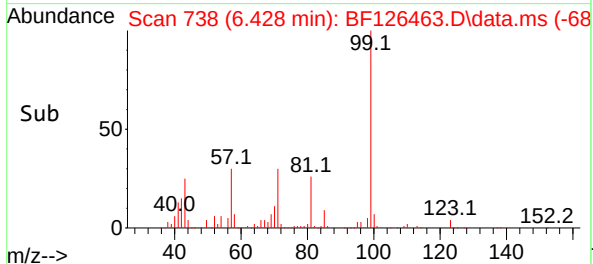
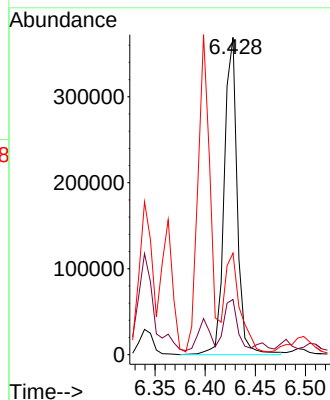
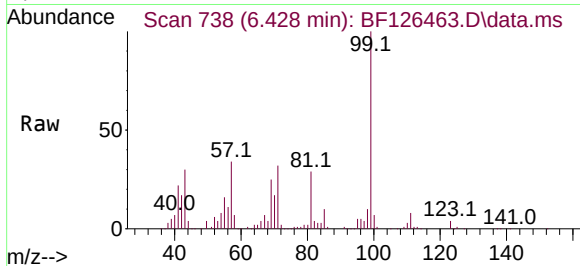




#7
Phenol-d6
Concen: 40.340 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

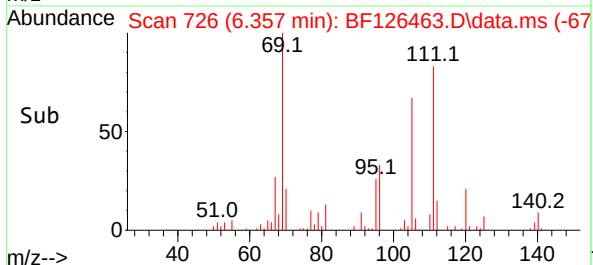
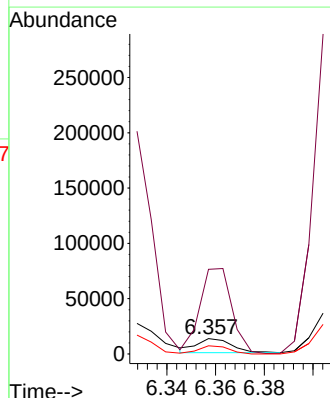
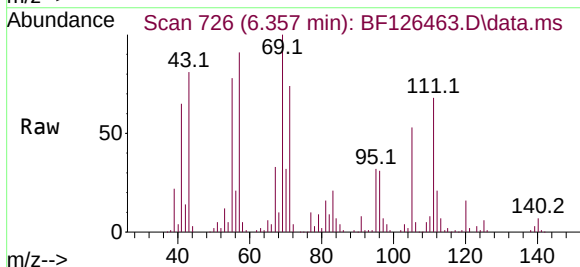
Instrument :
BNA_F
ClientSampleId :
D3-12292021

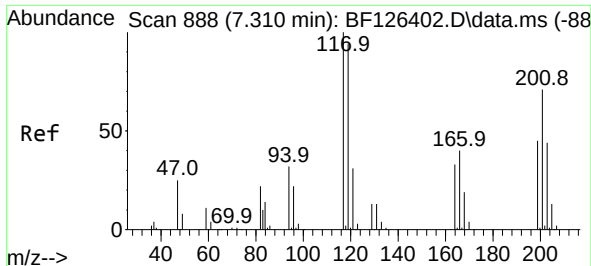
Tgt Ion: 99 Resp: 333155
Ion Ratio Lower Upper
99 100
42 17.4 14.2 21.4
71 32.0 24.3 36.5



#9
Benzaldehyde
Concen: 2.469 ng
RT: 6.357 min Scan# 726
Delta R.T. 0.012 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 77 Resp: 12623
Ion Ratio Lower Upper
77 100
105 551.5 74.9 114.9#
106 53.3 72.4 112.4#

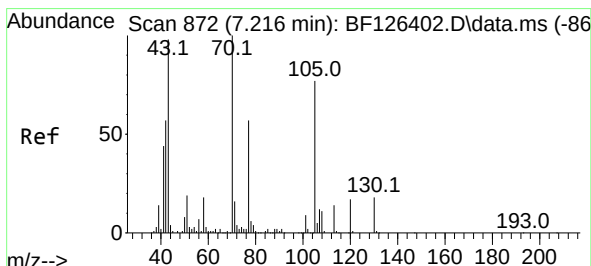
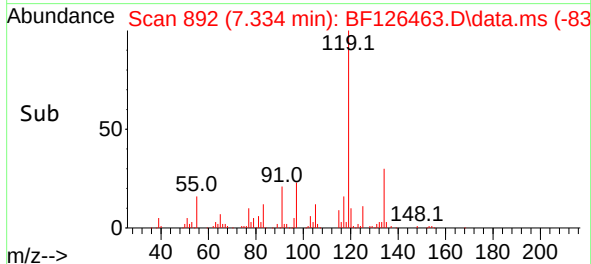
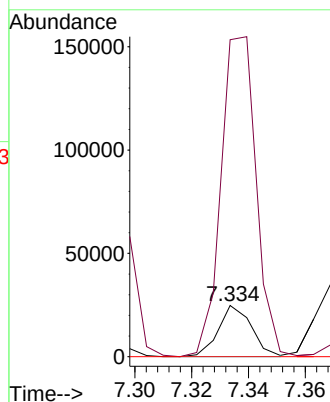
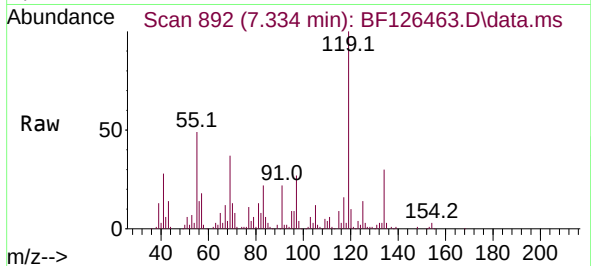




#18
Hexachloroethane
Concen: 7.989 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.024 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

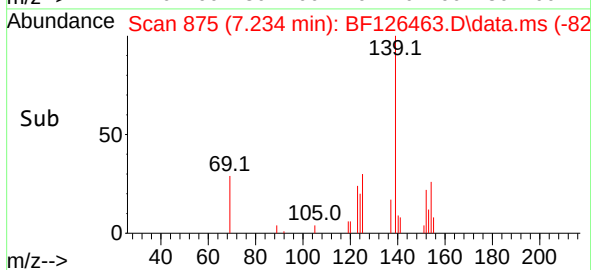
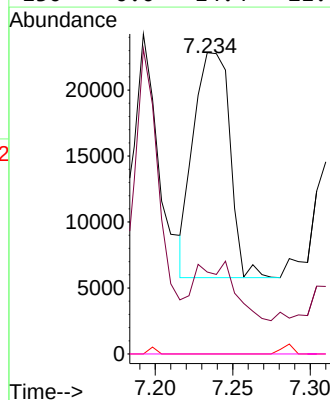
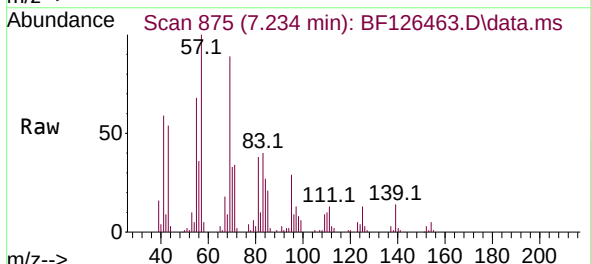
Instrument :
BNA_F
ClientSampleId :
D3-12292021

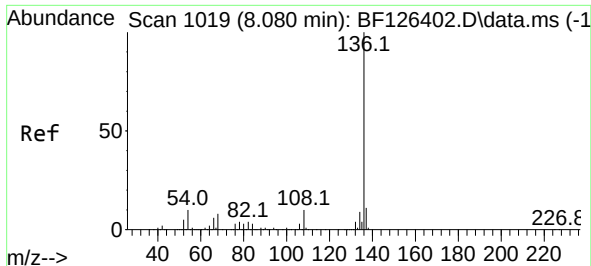
Tgt Ion:117 Resp: 20189
Ion Ratio Lower Upper
117 100
119 618.6 75.4 113.0#
201 0.0 56.8 85.2#



#19
n-Nitroso-di-n-propylamine
Concen: 5.876 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.018 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

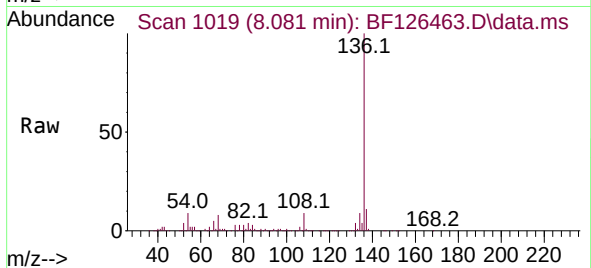
Tgt Ion: 70 Resp: 27692
Ion Ratio Lower Upper
70 100
42 27.2 45.8 68.8#
101 0.0 6.9 10.3#
130 0.0 14.4 21.6#





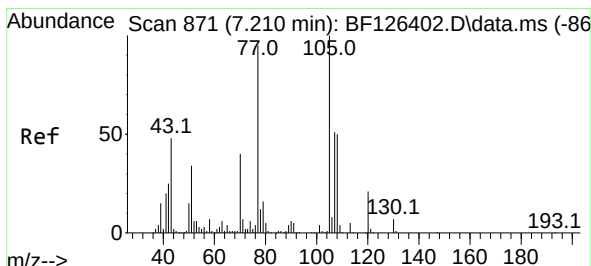
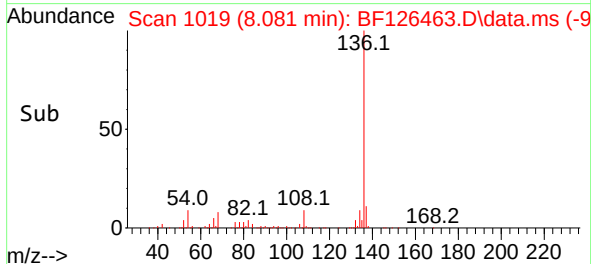
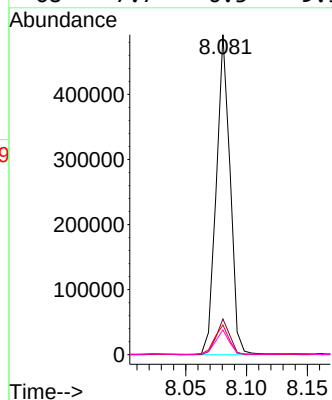
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Instrument :
BNA_F
ClientSampleId :
D3-12292021



Tgt Ion:136 Resp: 388058

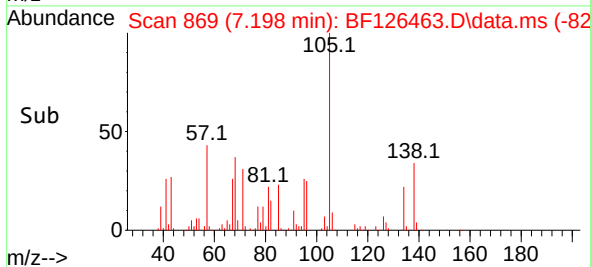
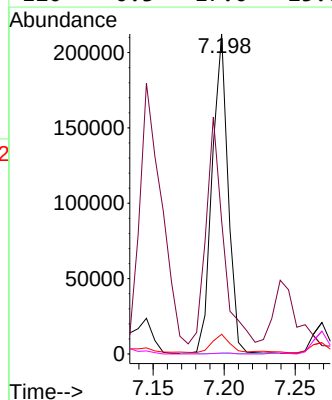
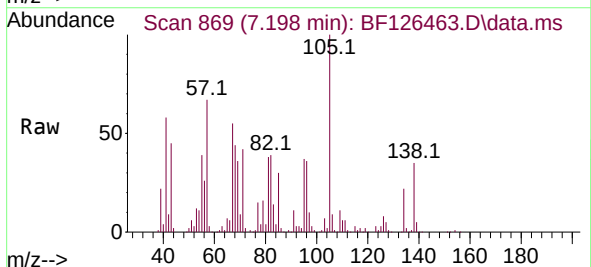
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	7.8	11.6
68	7.7	6.3	9.5

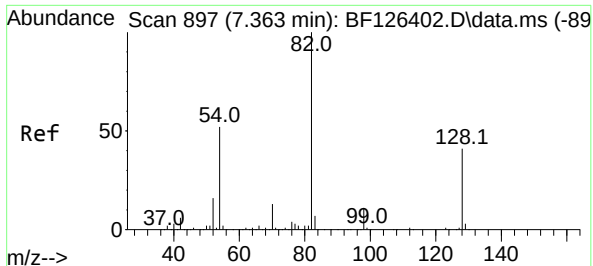


#22
Acetophenone
Concen: 18.436 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:105 Resp: 165395

Ion	Ratio	Lower	Upper
105	100		
71	41.6	5.4	8.0#
51	6.1	27.4	41.0#
120	0.3	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 28.975 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

Instrument :

BNA_F

ClientSampleId :

D3-12292021

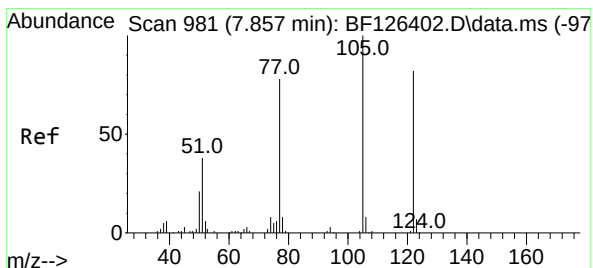
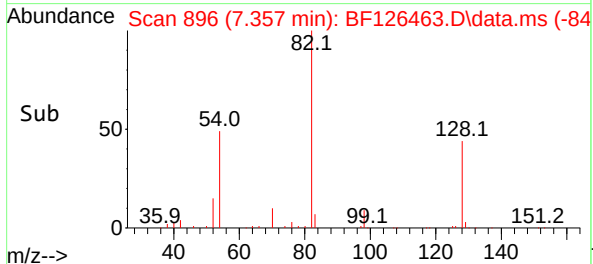
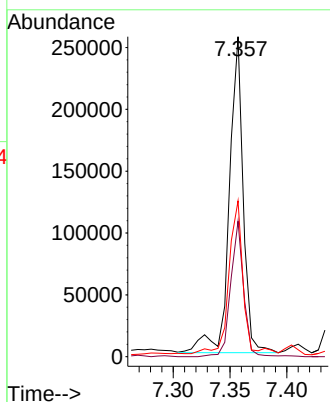
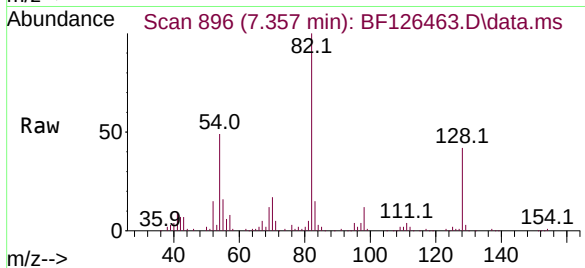
Tgt Ion: 82 Resp: 218983

Ion Ratio Lower Upper

82 100

128 42.4 32.7 49.1

54 48.7 41.7 62.5



#32

Benzoic acid

Concen: 7.448 ng

RT: 7.863 min Scan# 982

Delta R.T. 0.006 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

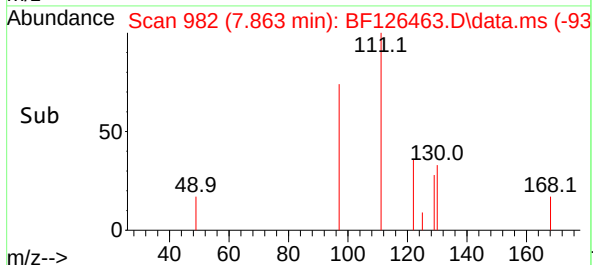
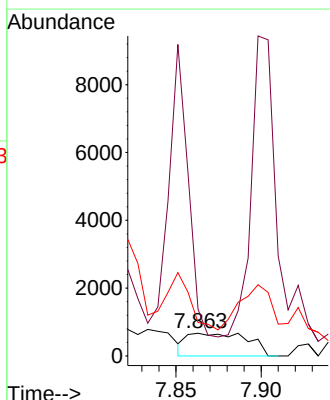
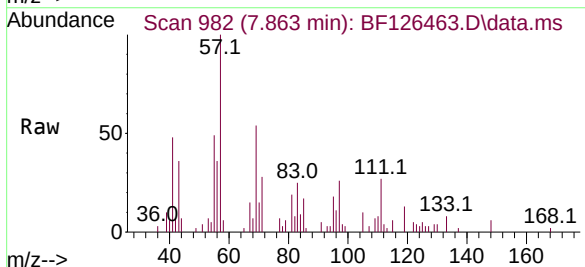
Tgt Ion:122 Resp: 1660

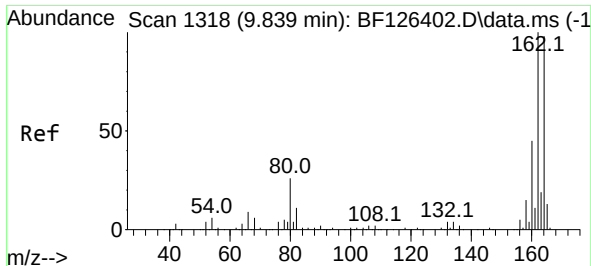
Ion Ratio Lower Upper

122 100

105 204.8 101.0 141.0#

77 146.6 74.5 114.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126463.D

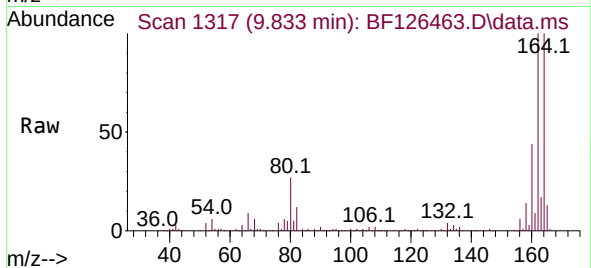
Acq: 3 Jan 2022 18:58

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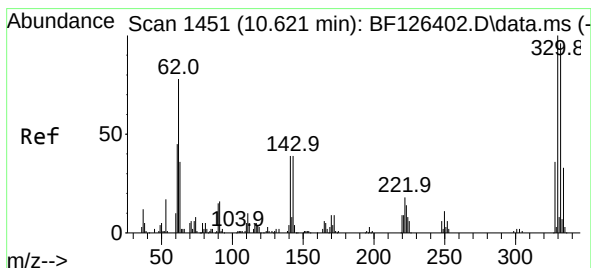
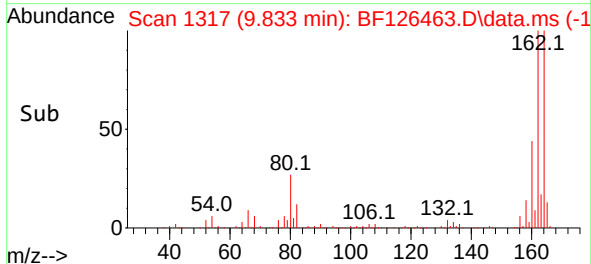
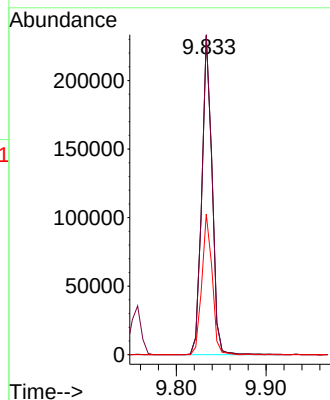
Tgt Ion:164 Resp: 183935

Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

160 44.2 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 46.535 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.029 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

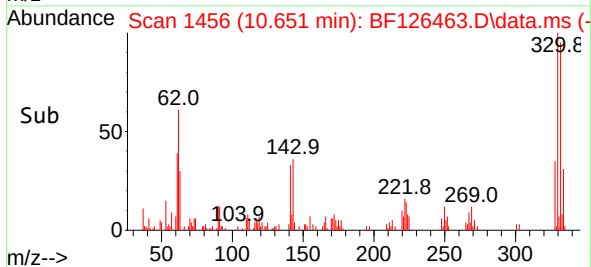
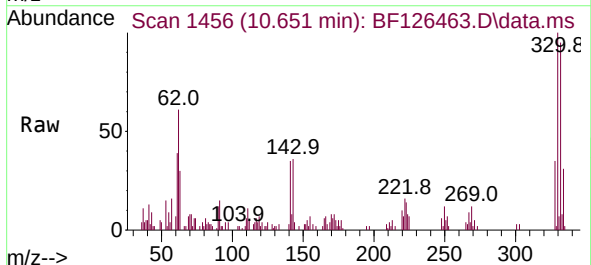
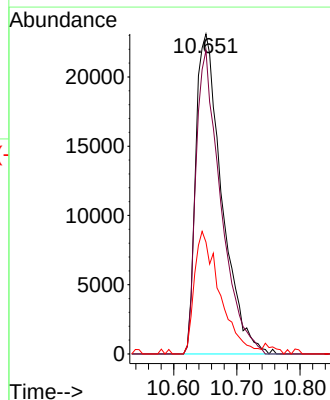
Tgt Ion:330 Resp: 66143

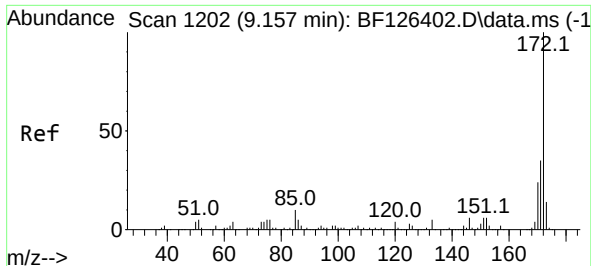
Ion Ratio Lower Upper

330 100

332 90.2 76.0 114.0

141 37.7 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 29.303 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

Instrument :

BNA_F

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D3-12292021

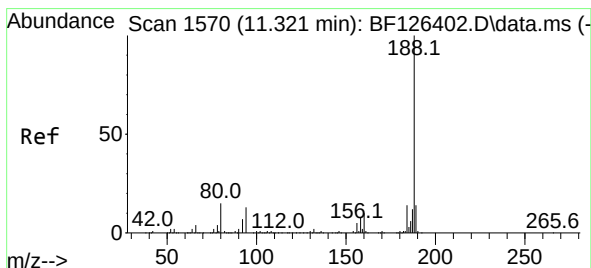
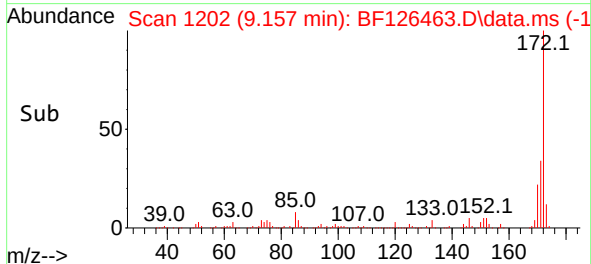
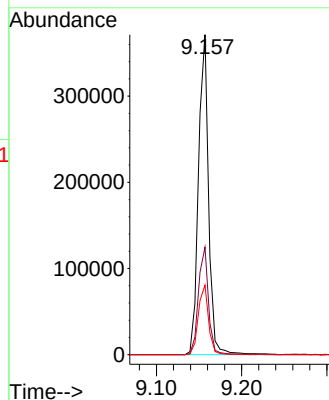
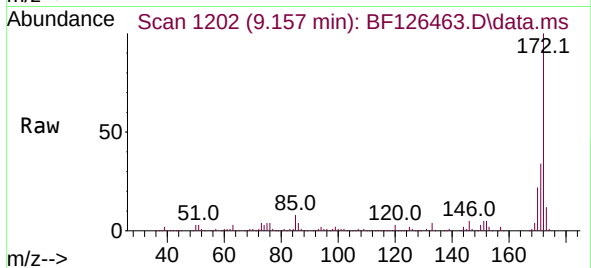
Tgt Ion:172 Resp: 306293

Ion Ratio Lower Upper

172 100

171 33.6 28.3 42.5

170 21.7 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

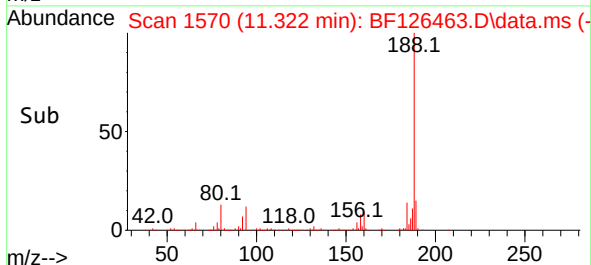
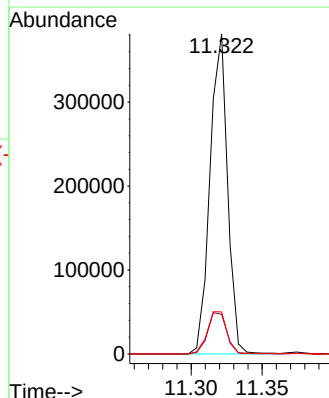
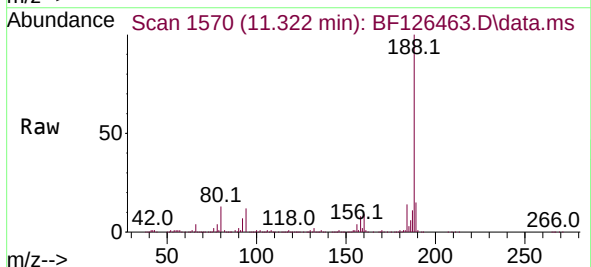
Tgt Ion:188 Resp: 327389

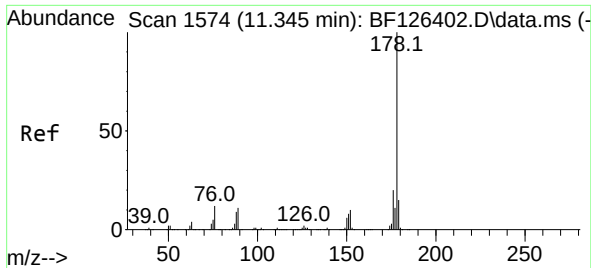
Ion Ratio Lower Upper

188 100

94 12.4 10.1 15.1

80 13.1 11.8 17.6

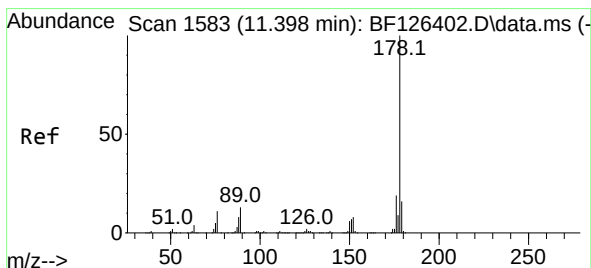
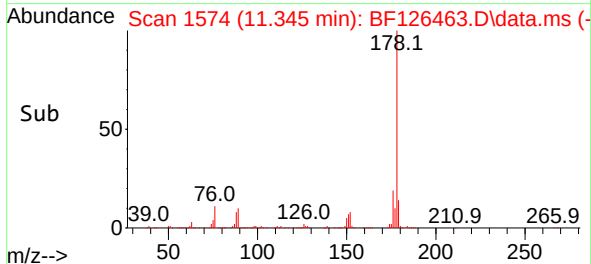
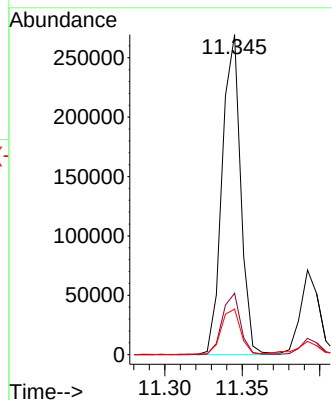
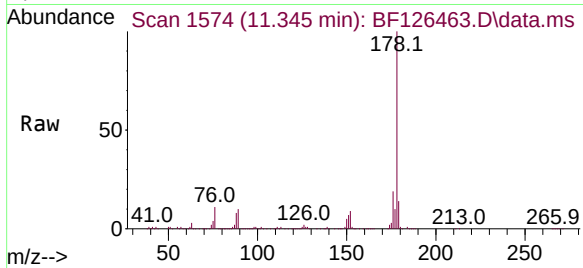




#71
Phenanthrene
Concen: 13.401 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

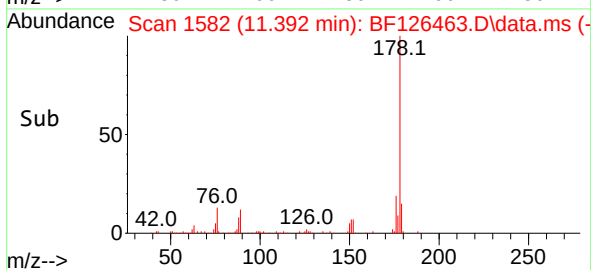
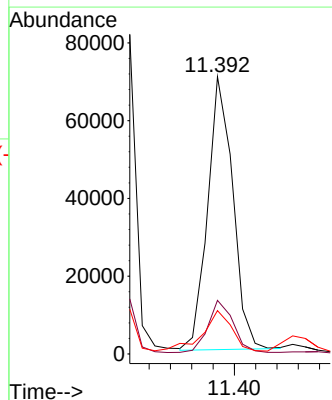
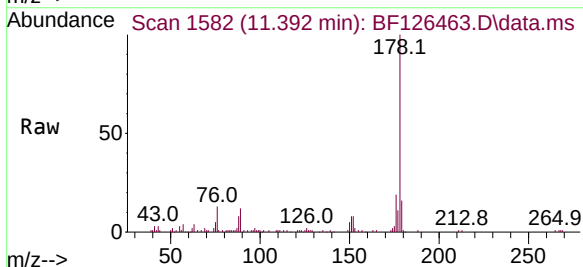
Instrument :
BNA_F
ClientSampleId :
D3-12292021

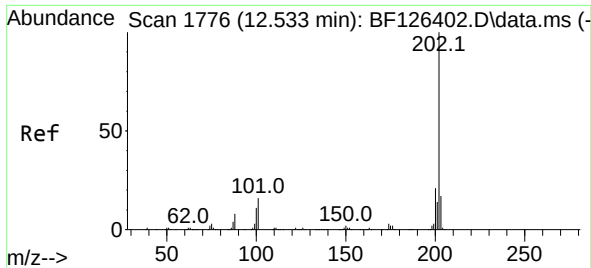
Tgt Ion:178 Resp: 224306
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 14.3 12.3 18.5



#72
Anthracene
Concen: 3.445 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:178 Resp: 57698
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.6
179 15.6 12.5 18.7

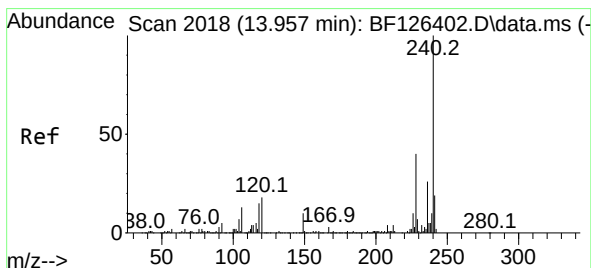
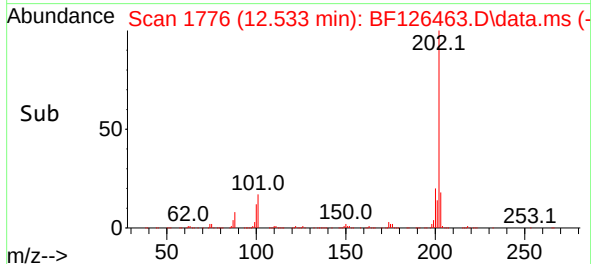
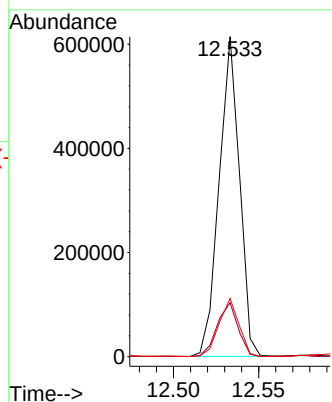
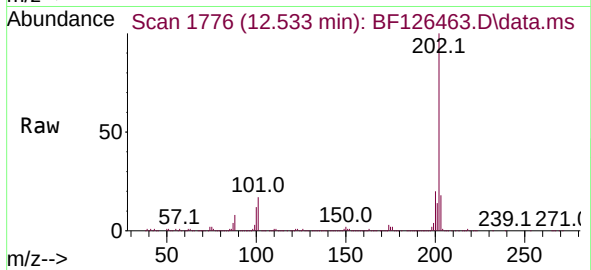




#75
Fluoranthene
Concen: 33.455 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

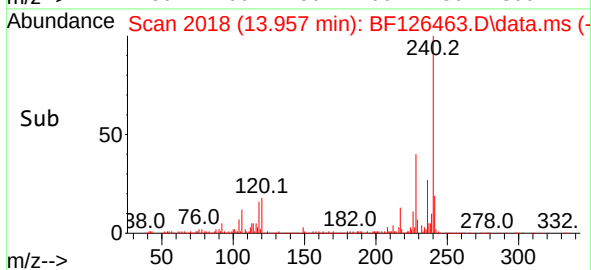
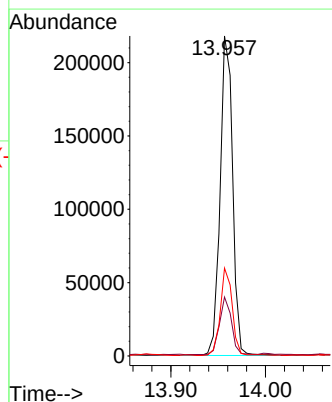
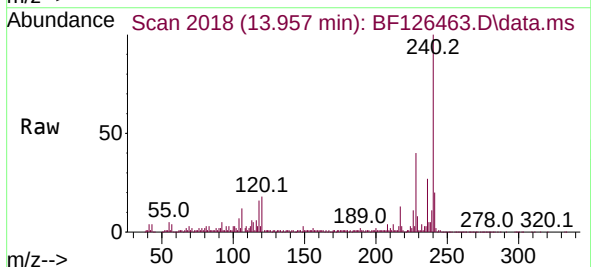
Instrument :
BNA_F
ClientSampleId :
D3-12292021

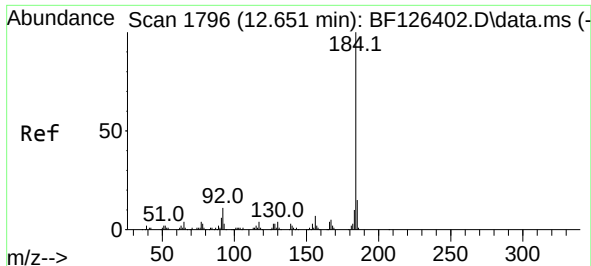
Tgt Ion:202 Resp: 511072
Ion Ratio Lower Upper
202 100
101 16.9 0.0 35.7
203 18.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:240 Resp: 200004
Ion Ratio Lower Upper
240 100
120 18.4 14.4 21.6
236 27.5 20.5 30.7

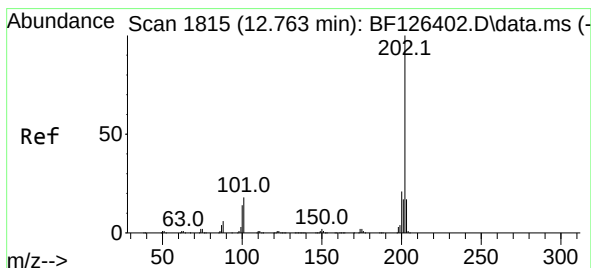
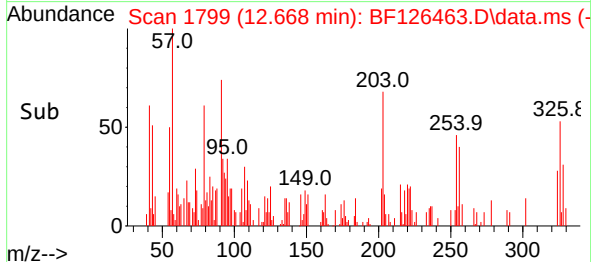
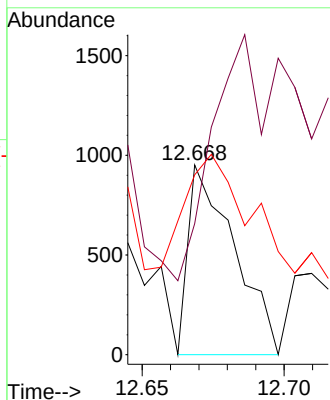
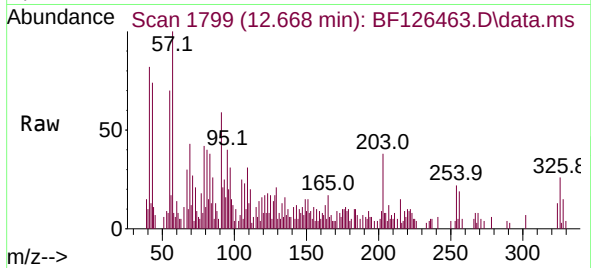




#77
Benzidine
Concen: Below Cal
RT: 12.668 min Scan# 1799
Delta R.T. 0.017 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

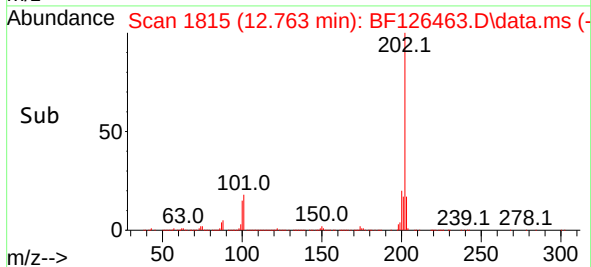
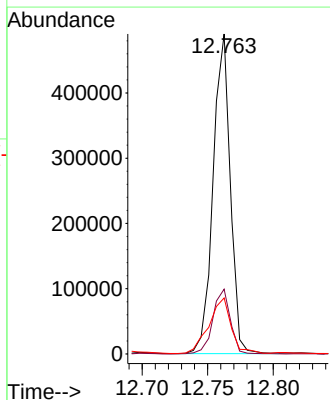
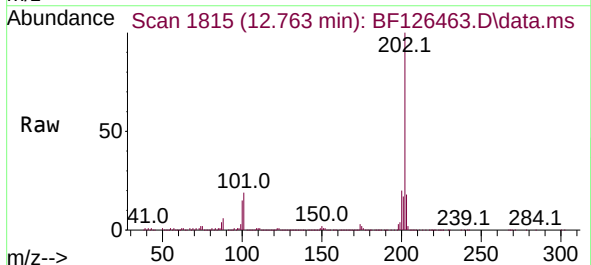
Instrument :
BNA_F
ClientSampleId :
D3-12292021

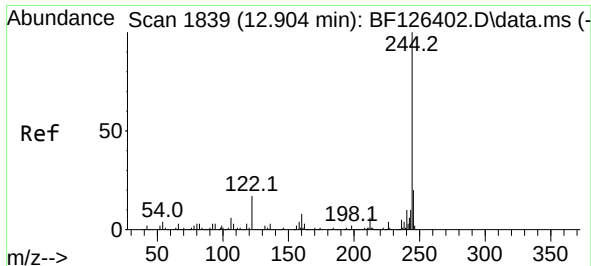
Tgt Ion:184 Resp: 1073
Ion Ratio Lower Upper
184 100
185 69.0 11.8 17.8#
183 94.7 8.2 12.2#



#78
Pyrene
Concen: 26.391 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:202 Resp: 446061
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 17.5 13.8 20.8

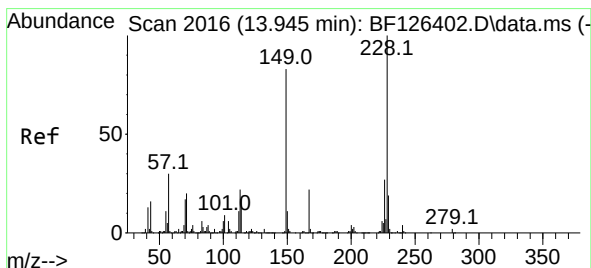
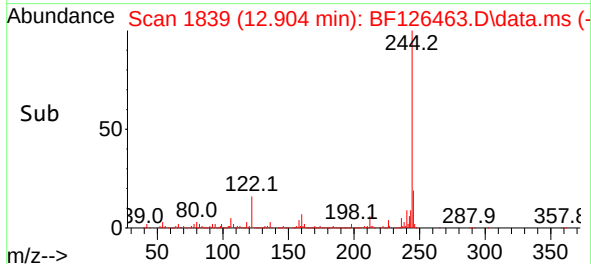
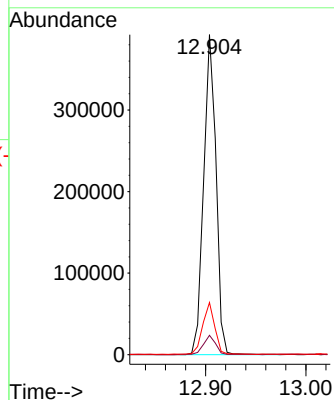
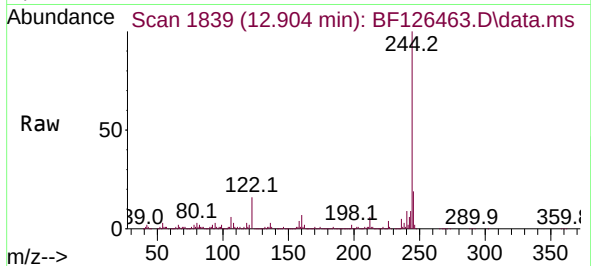




#79
 Terphenyl-d14
 Concen: 32.751 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF126463.D
 Acq: 3 Jan 2022 18:58

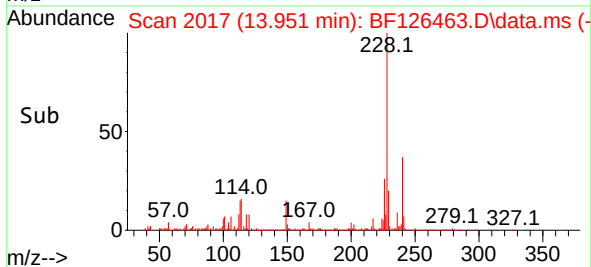
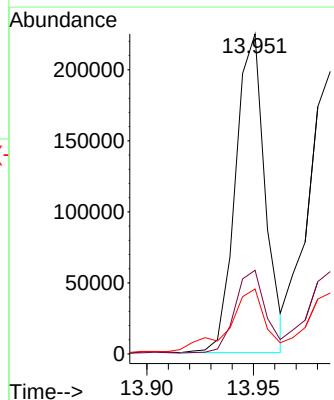
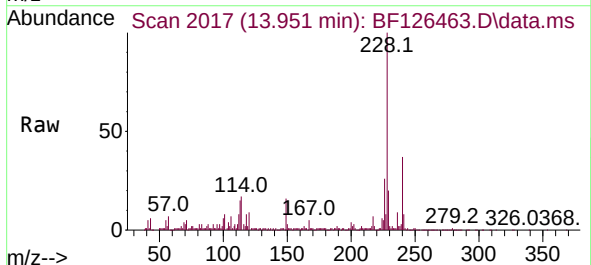
Instrument :
 BNA_F
 ClientSampleId :
 D3-12292021

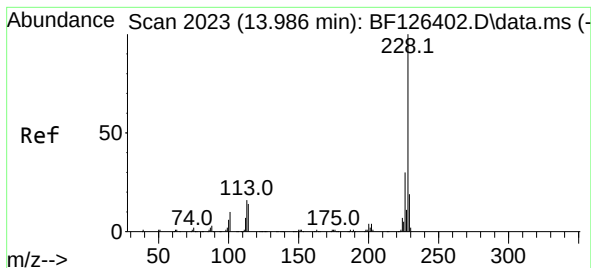
Tgt Ion:244 Resp: 337140
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 16.3 13.3 19.9



#81
 Benzo(a)anthracene
 Concen: 18.855 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF126463.D
 Acq: 3 Jan 2022 18:58

Tgt Ion:228 Resp: 216875
 Ion Ratio Lower Upper
 228 100
 226 26.1 21.4 32.0
 229 20.3 15.4 23.2





#83

Chrysene

Concen: 17.336 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

Instrument :

BNA_F

ClientSampleId :

D3-12292021

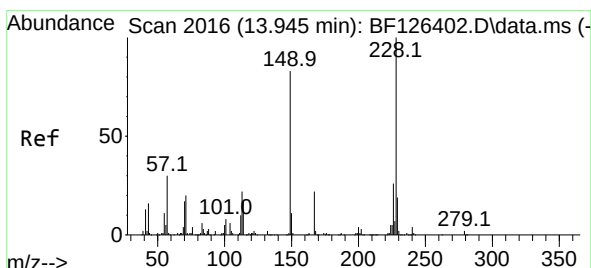
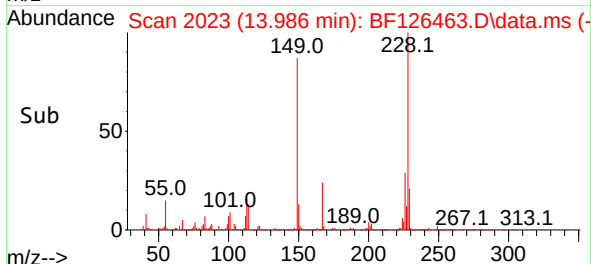
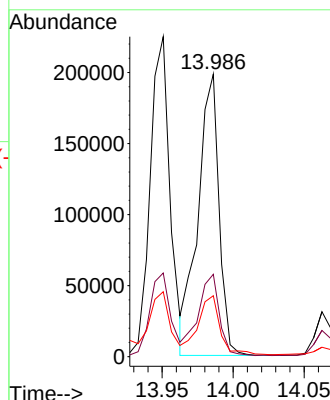
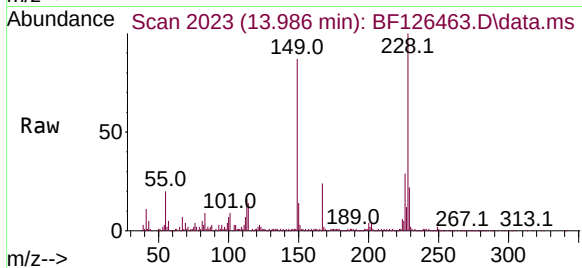
Tgt Ion:228 Resp: 204533

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 21.6 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.967 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF126463.D

Acq: 3 Jan 2022 18:58

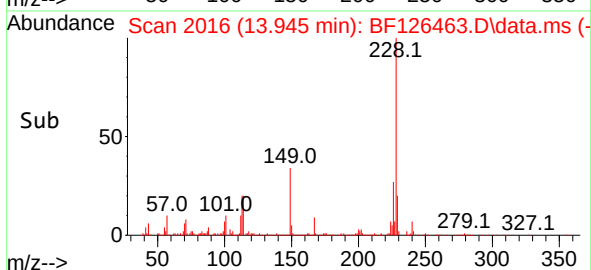
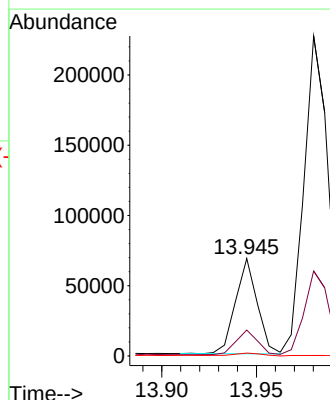
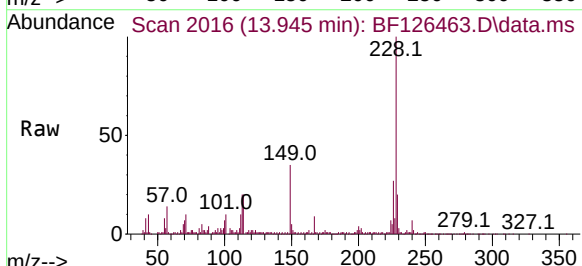
Tgt Ion:149 Resp: 54080

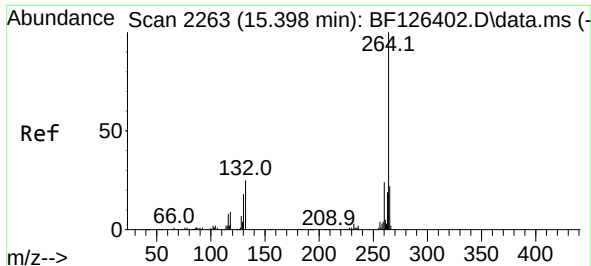
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.2

279 3.0 2.4 3.6



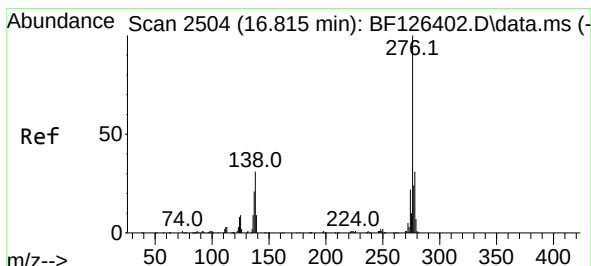
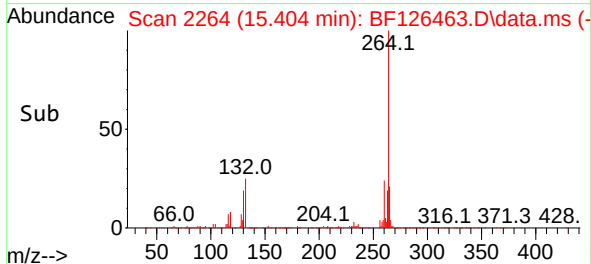
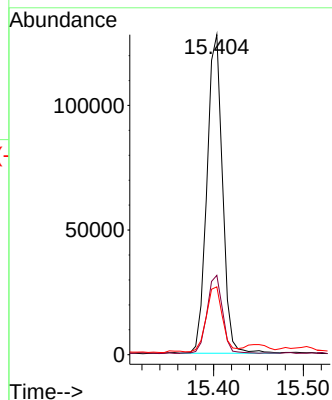
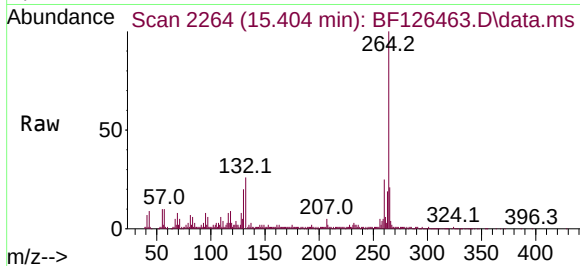


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Instrument :
BNA_F
ClientSampleId :
D3-12292021

Tgt Ion:264 Resp: 153847

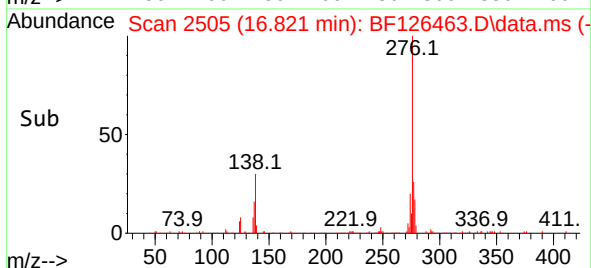
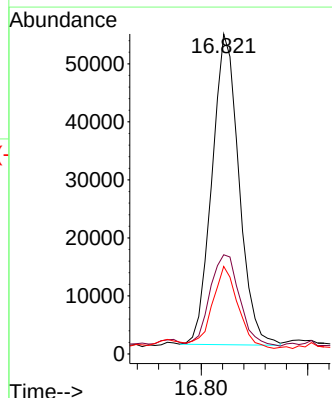
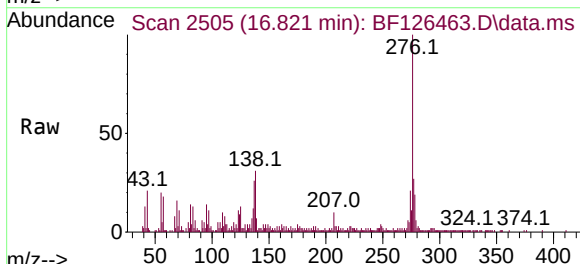
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.2	17.4	26.2

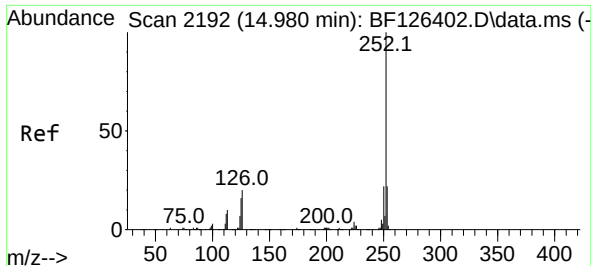


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.156 ng
RT: 16.821 min Scan# 2505
Delta R.T. 0.006 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:276 Resp: 94271

Ion	Ratio	Lower	Upper
276	100		
138	33.8	29.2	43.8
277	25.5	19.8	29.8

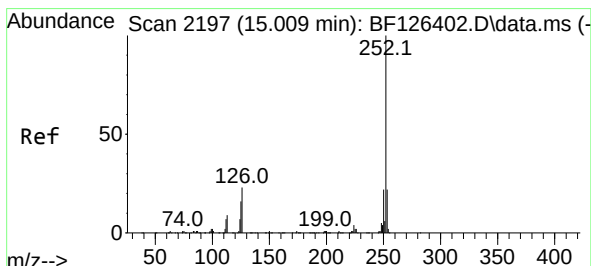
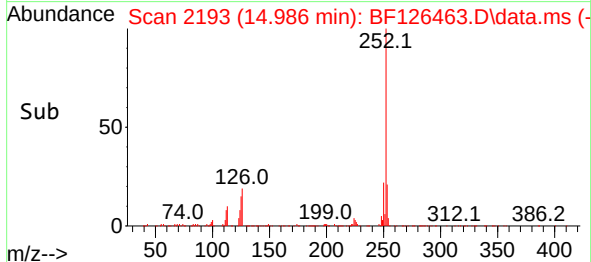
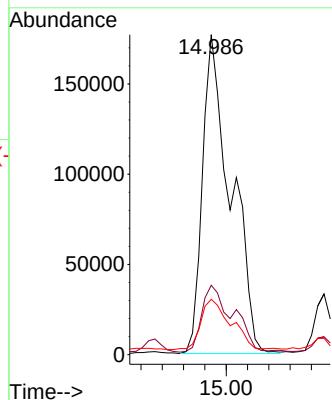
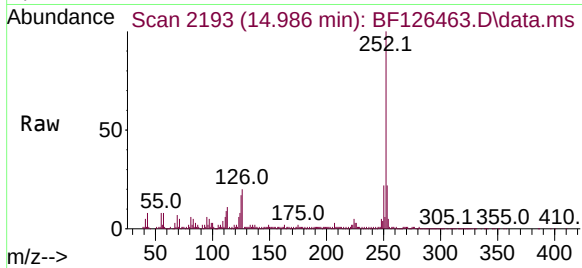




#88
Benzo(b)fluoranthene
Concen: 35.692 ng
RT: 14.986 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

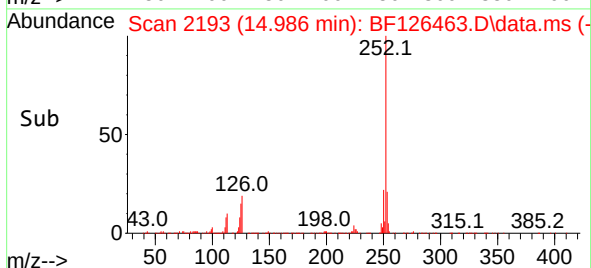
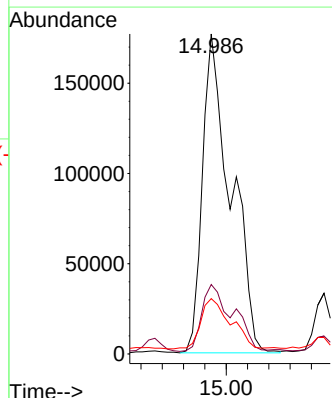
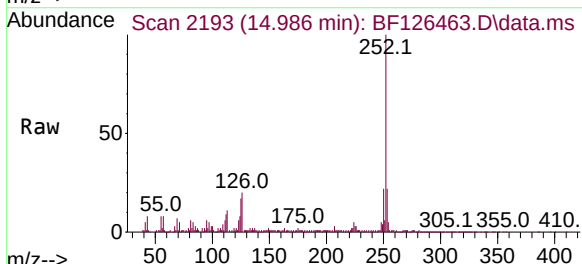
Instrument :
BNA_F
ClientSampleId :
D3-12292021

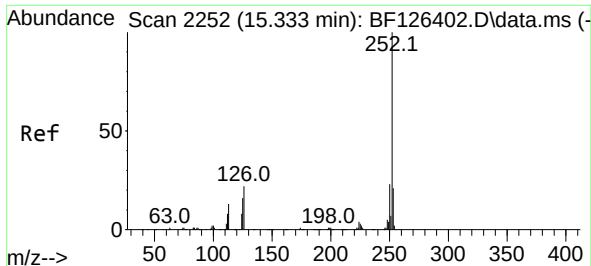
Tgt Ion:252 Resp: 327113
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 17.3 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 36.845 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.023 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

Tgt Ion:252 Resp: 327113
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 17.3 11.8 17.6

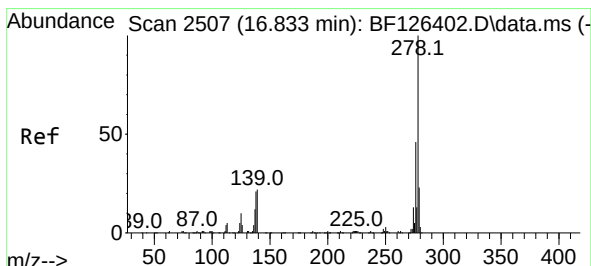
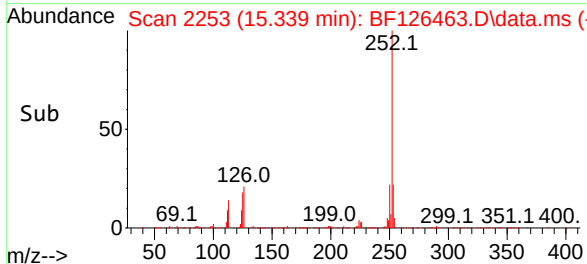
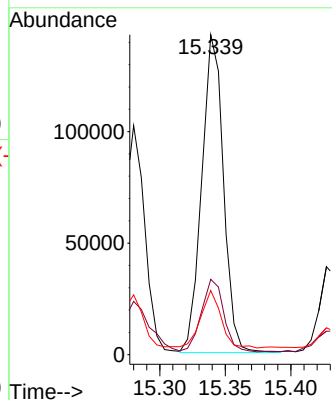
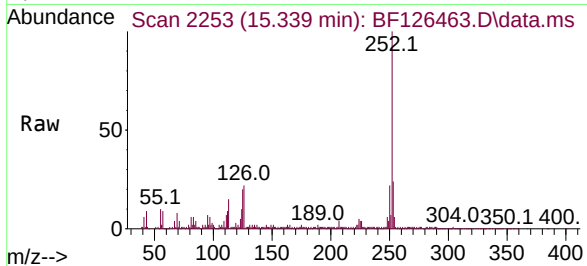




#90
Benzo(a)pyrene
Concen: 21.448 ng
RT: 15.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

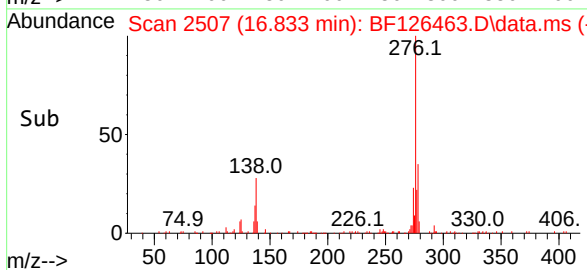
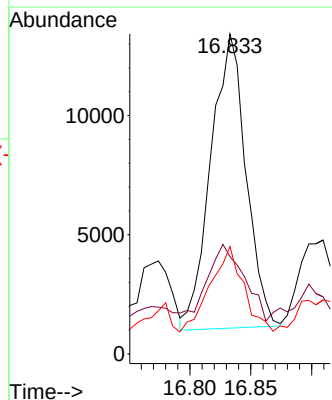
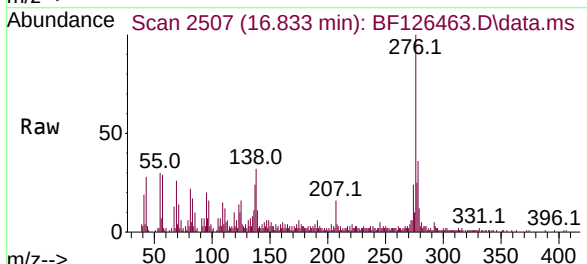
Instrument :
BNA_F
ClientSampleId :
D3-12292021

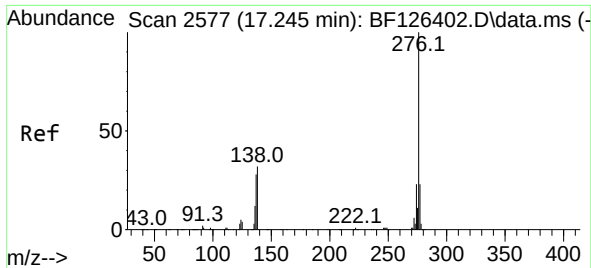
Tgt Ion:252 Resp: 164817
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 20.1 13.0 19.6#



#91
Dibenzo(a,h)anthracene
Concen: 2.988 ng
RT: 16.833 min Scan# 2507
Delta R.T. 0.000 min
Lab File: BF126463.D
Acq: 3 Jan 2022 18:58

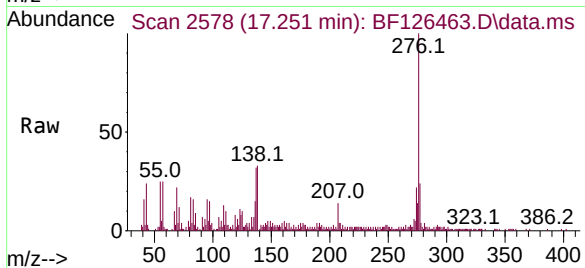
Tgt Ion:278 Resp: 24822
Ion Ratio Lower Upper
278 100
139 30.4 18.0 27.0#
279 33.6 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 10.408 ng
 RT: 17.251 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126463.D
 Acq: 3 Jan 2022 18:58

Instrument :
 BNA_F
 ClientSampleId :
 D3-12292021



Tgt Ion:276 Resp: 92074
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.5 27.7
 138 33.2 25.9 38.9

