

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
 Data File : BF126462.D
 Acq On : 3 Jan 2022 18:27
 Operator : JU/CG
 Sample : M5255-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-122921

Quant Time: Jan 04 05:20:51 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)

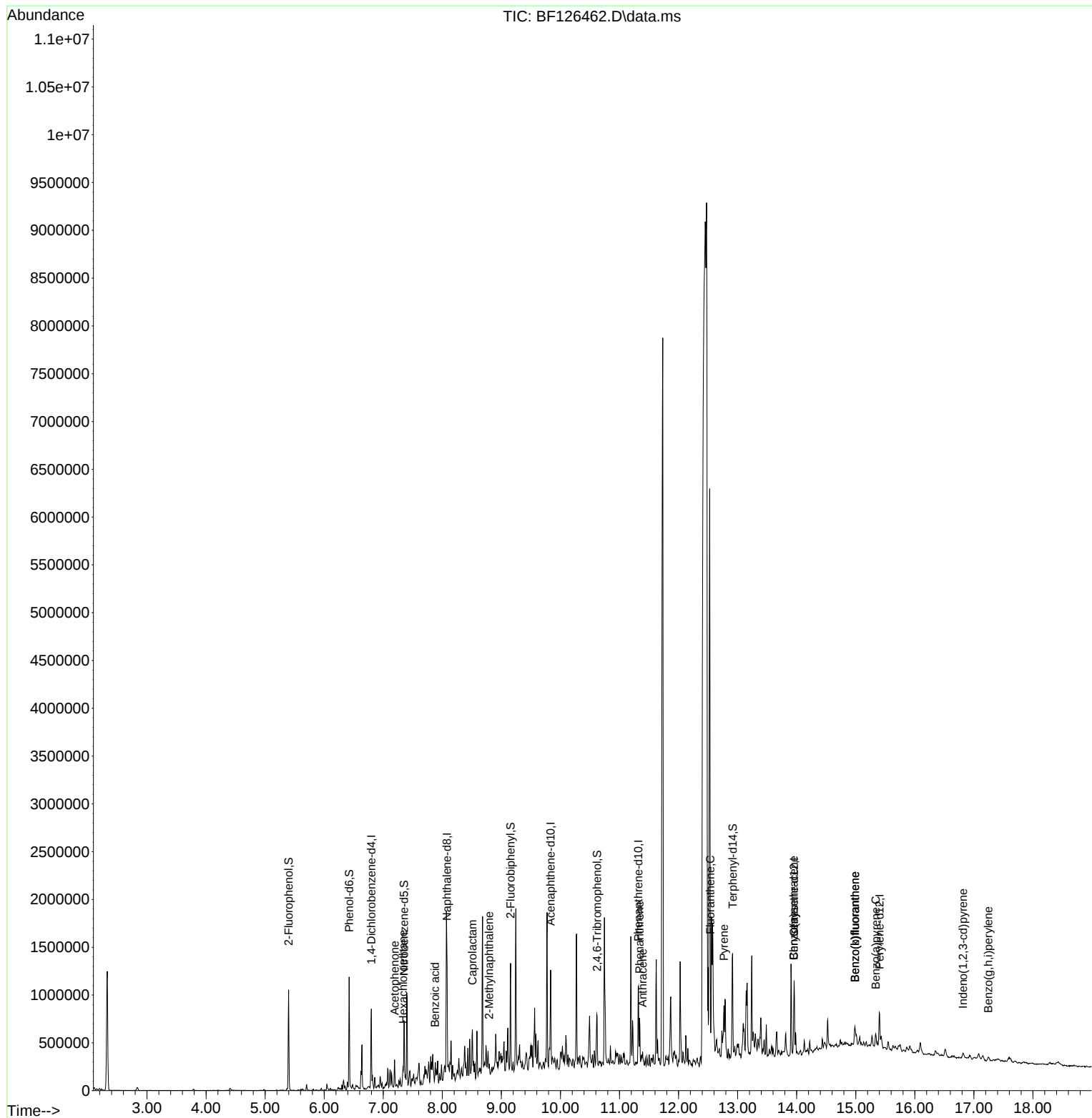
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	116409	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	400699	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	176544	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	317644	20.000	ng	0.00
76) Chrysene-d12	13.957	240	210502	20.000	ng	0.00
86) Perylene-d12	15.404	264	154903	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	284454	35.091	ng	0.00
7) Phenol-d6	6.422	99	381709	36.356	ng	0.00
23) Nitrobenzene-d5	7.351	82	217534	27.875	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	60942	44.671	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	328485	32.742	ng	0.00
79) Terphenyl-d14	12.915	244	350481	32.349	ng	0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.333	117	8485	2.641	ng	# 1
22) Acetophenone	7.192	105	23142	2.498	ng	# 37
32) Benzoic acid	7.875	122	450	7.174	ng	# 8
35) Caprolactam	8.510	113	9456	7.520	ng	# 41
37) 2-Methylnaphthalene	8.792	142	29991	2.688	ng	97
71) Phenanthrene	11.339	178	166363	10.244	ng	98
72) Anthracene	11.392	178	41496	2.554	ng	97
75) Fluoranthene	12.539	202	215485	14.538	ng	99
77) Benzidine	12.651	184	402	Below Cal	#	1
78) Pyrene	12.768	202	229334	12.892	ng	98
81) Benzo(a)anthracene	13.951	228	93054	7.687	ng	97
83) Chrysene	13.951	228	93054	7.494	ng	96
87) Indeno(1,2,3-cd)pyrene	16.815	276	32814	3.165	ng	97
88) Benzo(b)fluoranthene	14.986	252	124464	13.488	ng	93
89) Benzo(k)fluoranthene	14.986	252	124464	13.924	ng	# 92
90) Benzo(a)pyrene	15.339	252	60739	7.850	ng	# 90
92) Benzo(g,h,i)perylene	17.245	276	30292	3.401	ng	93

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

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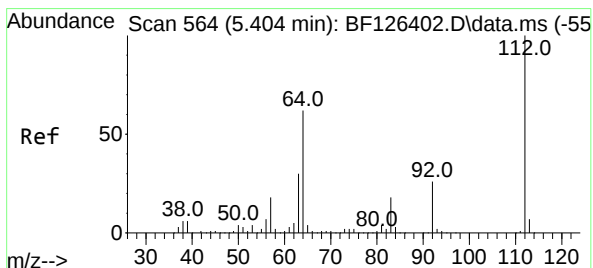
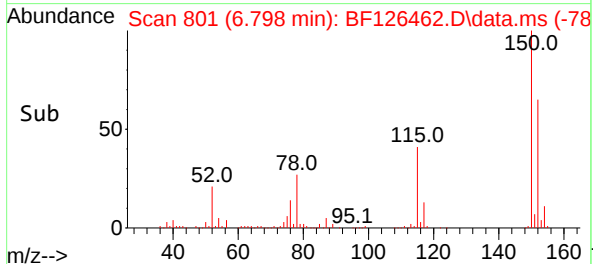
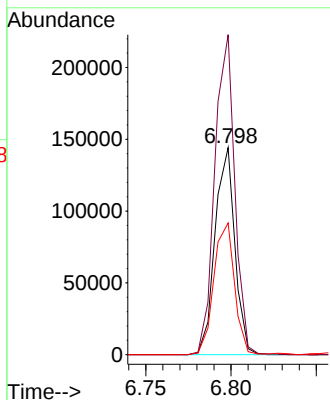
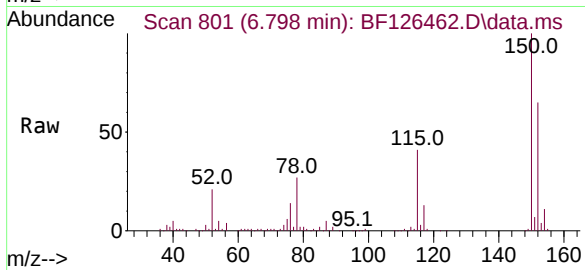




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

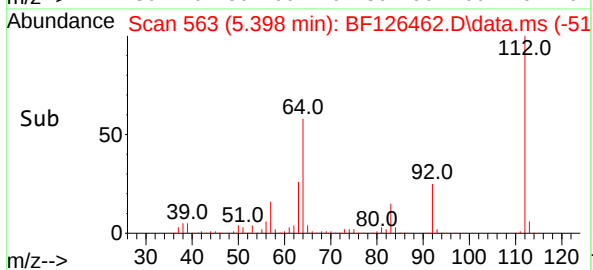
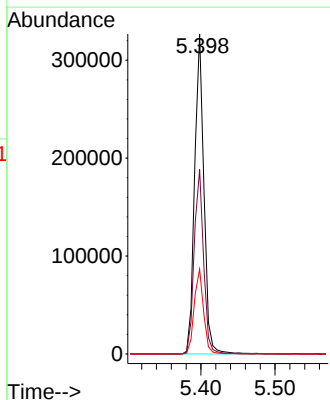
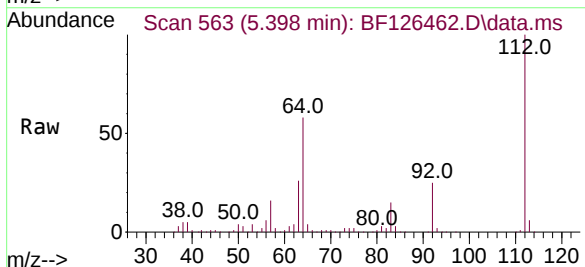
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

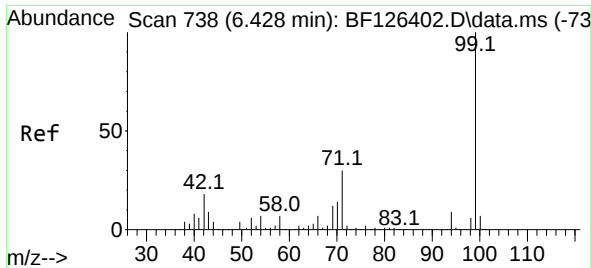
Tgt Ion:152 Resp: 116409
Ion Ratio Lower Upper
152 100
150 154.5 128.1 192.1
115 63.6 56.7 85.1



#5
2-Fluorophenol
Concen: 35.091 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:112 Resp: 284454
Ion Ratio Lower Upper
112 100
64 57.7 49.5 74.3
63 26.5 23.9 35.9

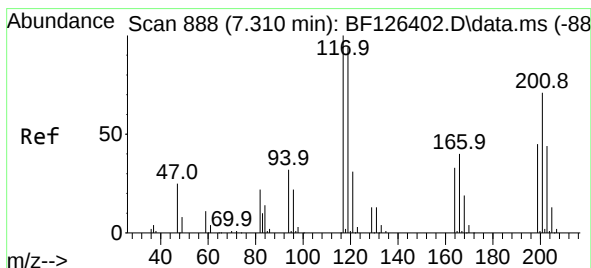
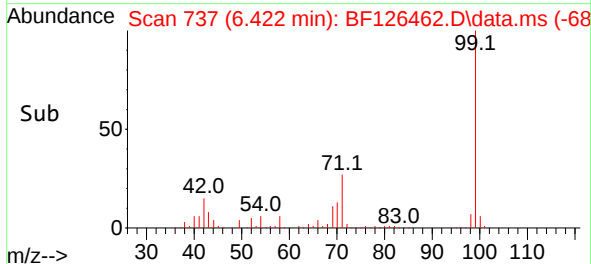
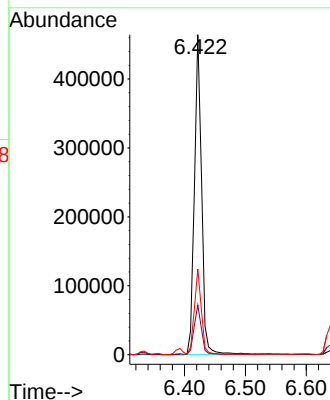
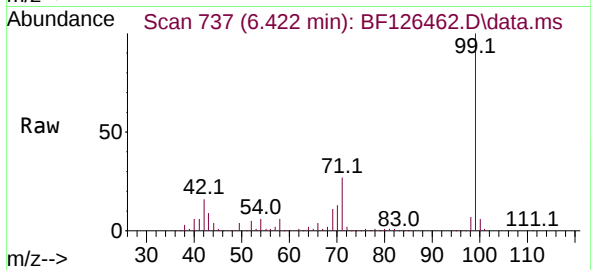




#7
Phenol-d6
Concen: 36.356 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

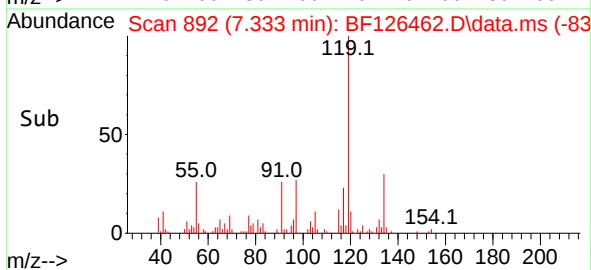
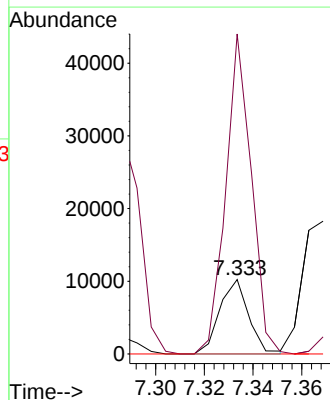
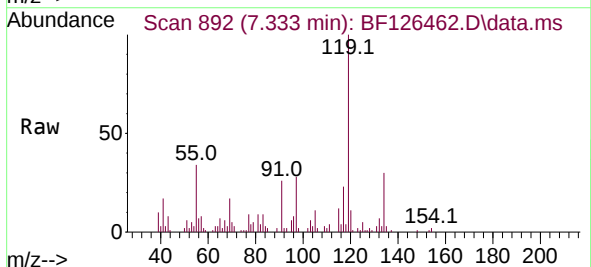
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

Tgt Ion: 99 Resp: 381709
Ion Ratio Lower Upper
99 100
42 15.5 14.2 21.4
71 26.8 24.3 36.5



#18
Hexachloroethane
Concen: 2.641 ng
RT: 7.333 min Scan# 892
Delta R.T. 0.024 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion: 117 Resp: 8485
Ion Ratio Lower Upper
117 100
119 430.5 75.4 113.0#
201 0.0 56.8 85.2#

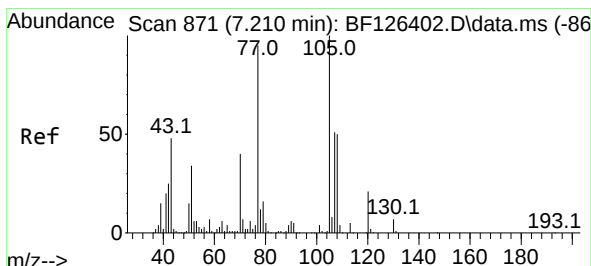
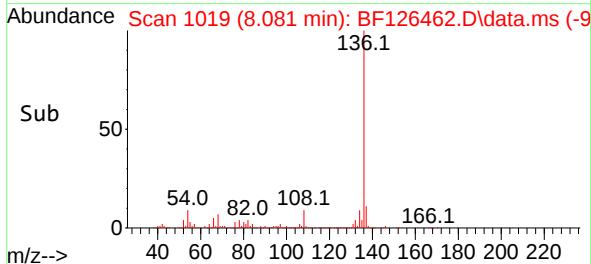
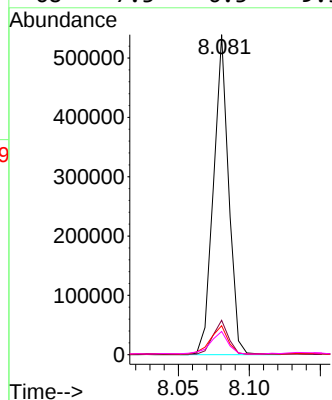
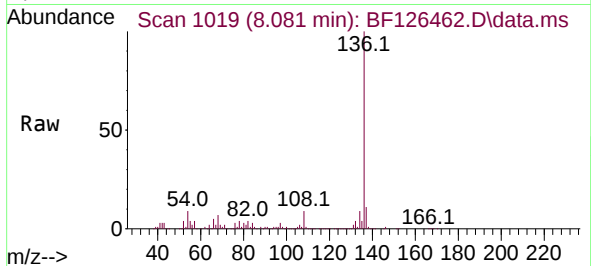




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

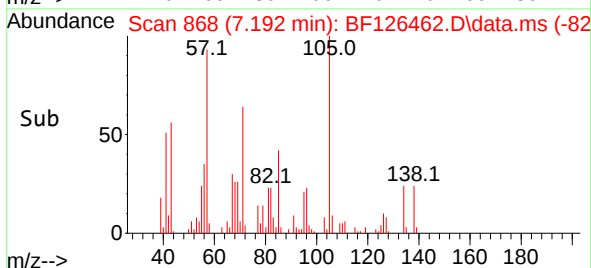
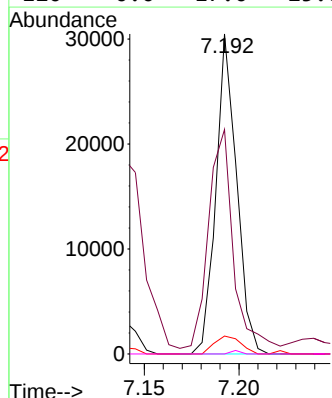
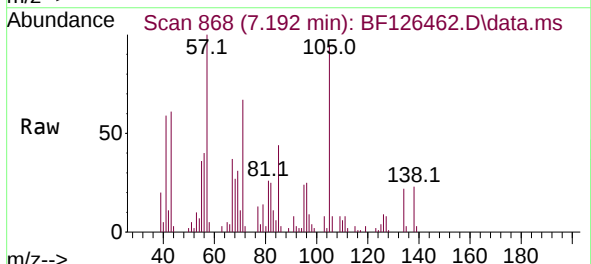
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

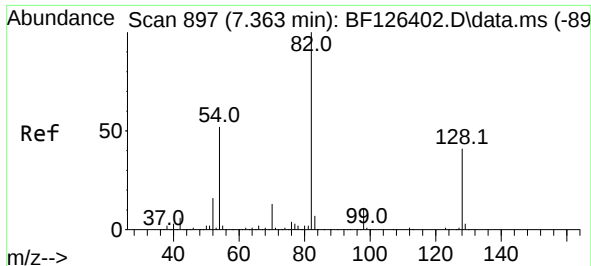
Tgt Ion:136 Resp: 400699
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.0 7.8 11.6
68 7.3 6.3 9.5



#22
Acetophenone
Concen: 2.498 ng
RT: 7.192 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:105 Resp: 23142
Ion Ratio Lower Upper
105 100
71 70.1 5.4 8.0#
51 5.6 27.4 41.0#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 27.875 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126462.D

Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

TR-04-122921

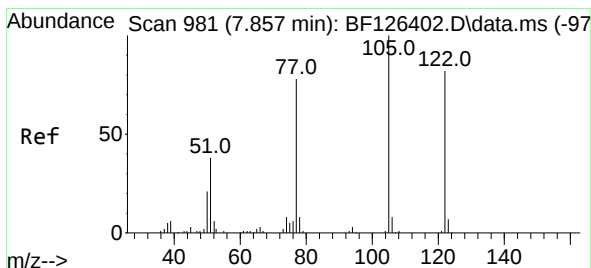
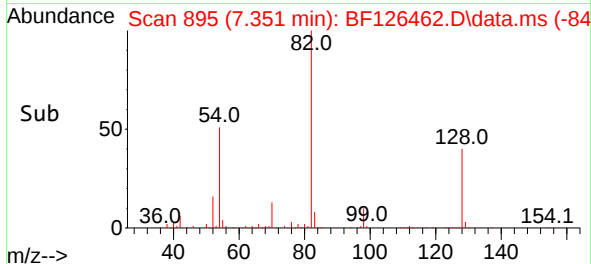
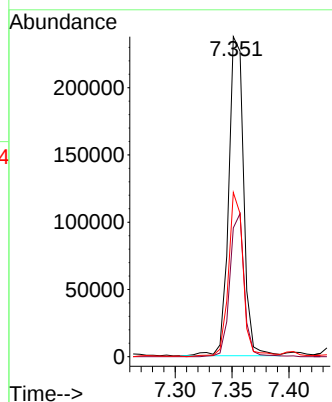
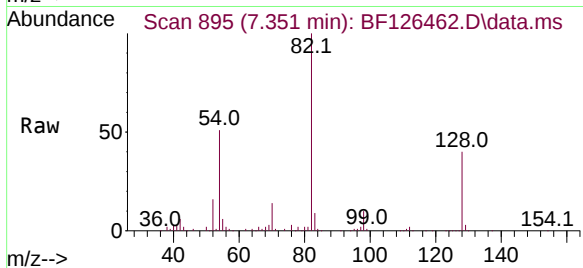
Tgt Ion: 82 Resp: 217534

Ion Ratio Lower Upper

82 100

128 40.2 32.7 49.1

54 51.3 41.7 62.5



#32

Benzoic acid

Concen: 7.174 ng

RT: 7.875 min Scan# 984

Delta R.T. 0.018 min

Lab File: BF126462.D

Acq: 3 Jan 2022 18:27

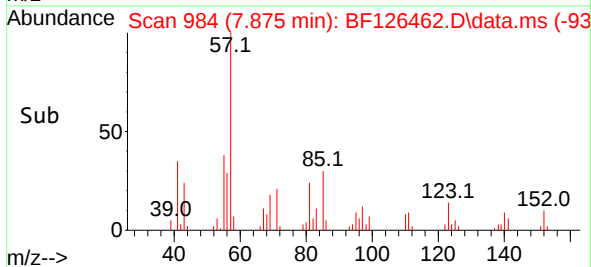
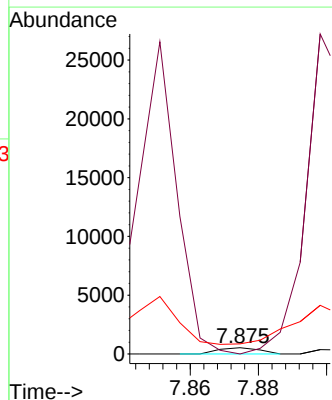
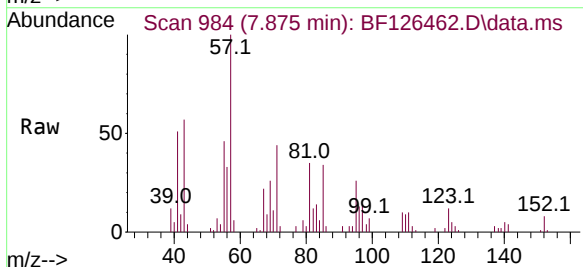
Tgt Ion:122 Resp: 450

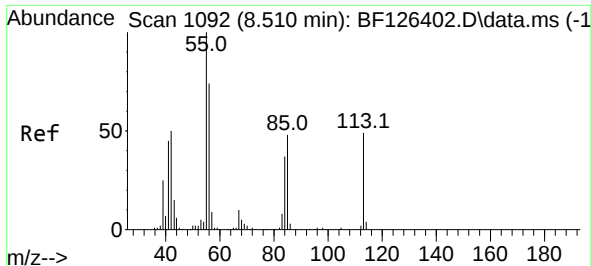
Ion Ratio Lower Upper

122 100

105 0.0 101.0 141.0#

77 162.9 74.5 114.5#

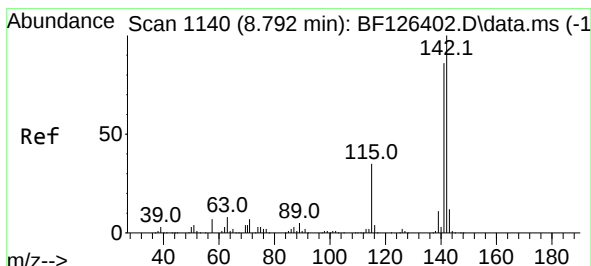
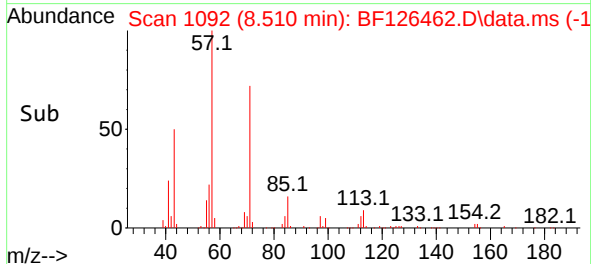
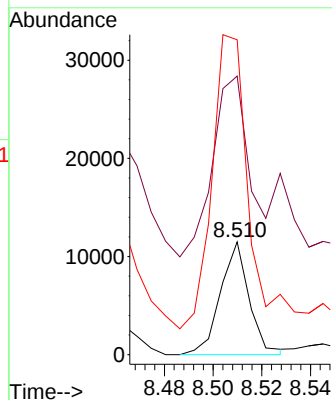
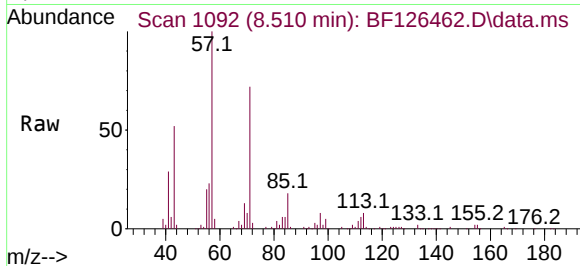




#35
 Caprolactam
 Concen: 7.520 ng
 RT: 8.510 min Scan# 1092
 Delta R.T. 0.000 min
 Lab File: BF126462.D
 Acq: 3 Jan 2022 18:27

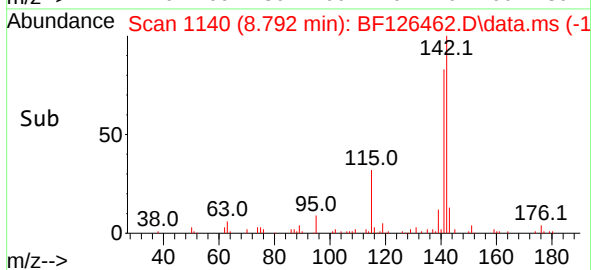
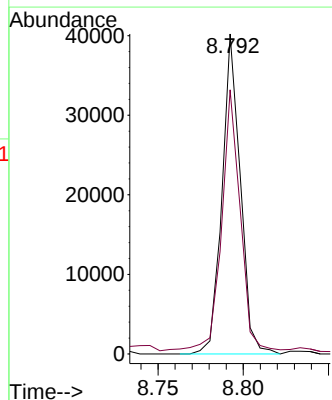
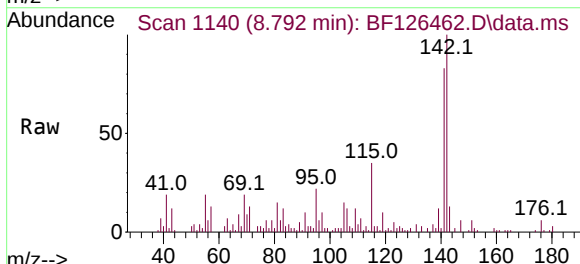
Instrument :
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 TR-04-122921

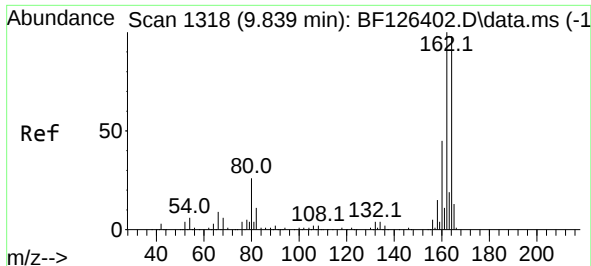
Tgt Ion:113 Resp: 9456
 Ion Ratio Lower Upper
 113 100
 55 246.9 183.9 223.9#
 56 279.0 129.9 169.9#



#37
 2-Methylnaphthalene
 Concen: 2.688 ng
 RT: 8.792 min Scan# 1140
 Delta R.T. 0.000 min
 Lab File: BF126462.D
 Acq: 3 Jan 2022 18:27

Tgt Ion:142 Resp: 29991
 Ion Ratio Lower Upper
 142 100
 141 82.6 68.6 102.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126462.D

Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

TR-04-122921

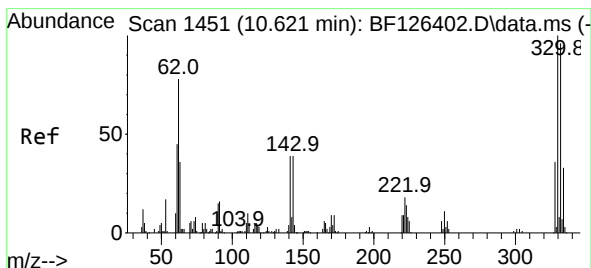
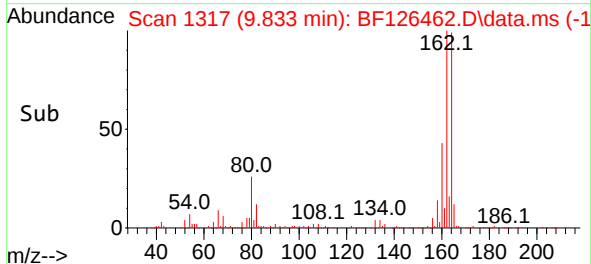
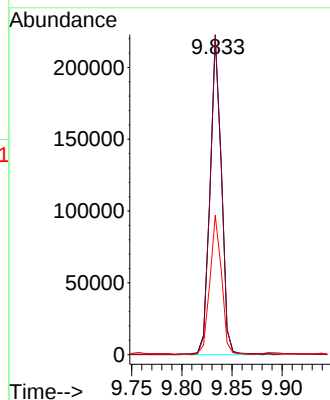
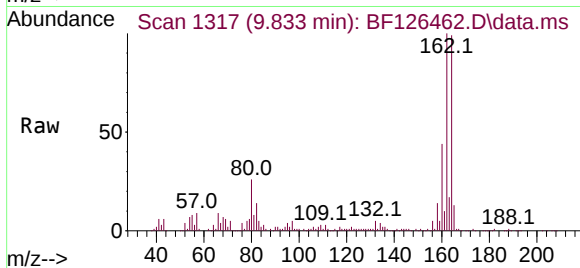
Tgt Ion:164 Resp: 176544

Ion Ratio Lower Upper

164 100

162 101.1 81.4 122.0

160 44.0 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 44.671 ng

RT: 10.621 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF126462.D

Acq: 3 Jan 2022 18:27

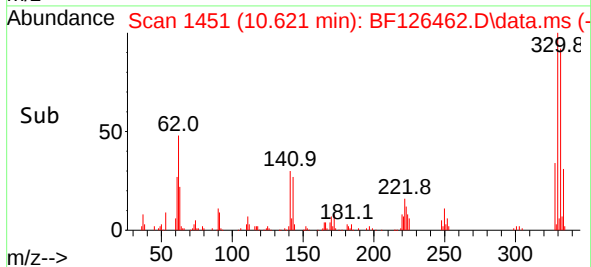
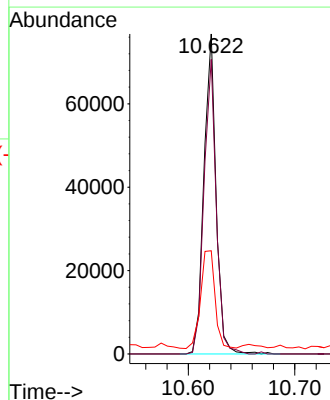
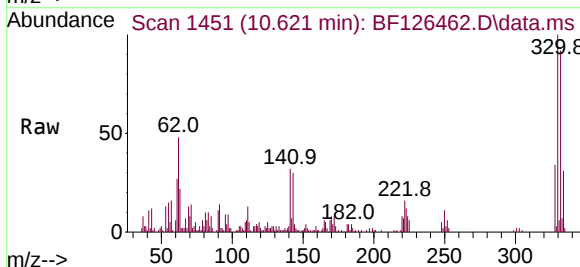
Tgt Ion:330 Resp: 60942

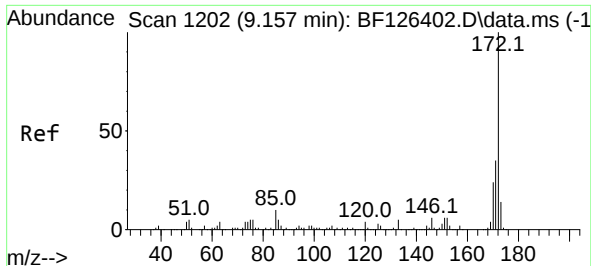
Ion Ratio Lower Upper

330 100

332 92.8 76.0 114.0

141 36.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 32.742 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126462.D

Acq: 3 Jan 2022 18:27

Instrument :

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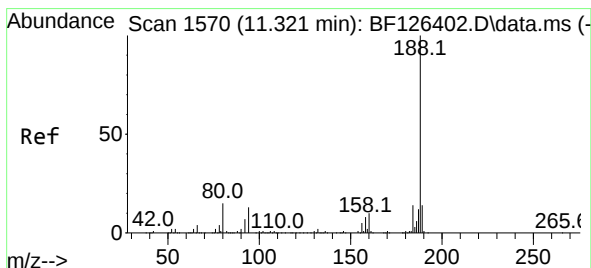
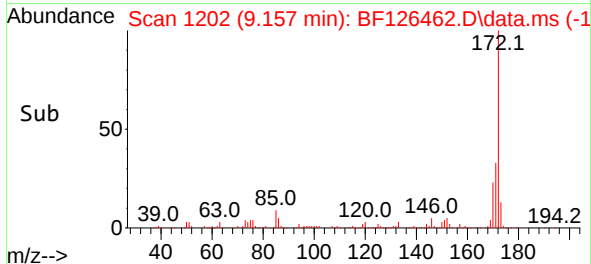
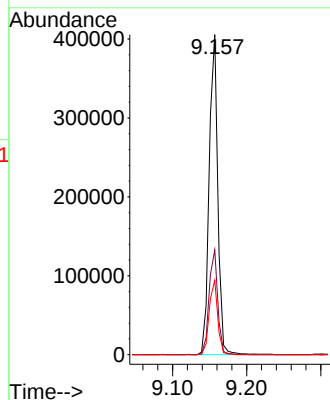
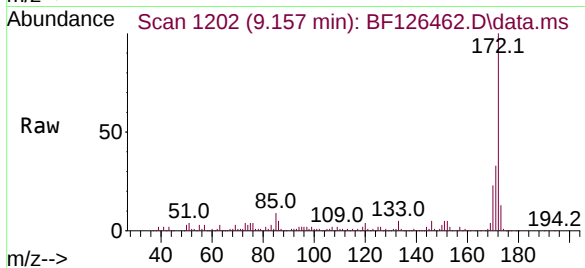
Tgt Ion:172 Resp: 328485

Ion Ratio Lower Upper

172 100

171 32.7 28.3 42.5

170 23.2 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF126462.D

Acq: 3 Jan 2022 18:27

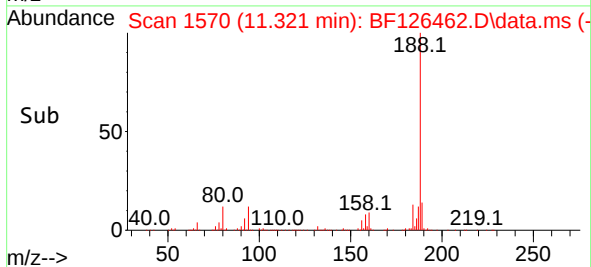
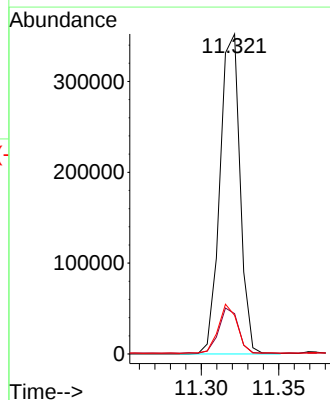
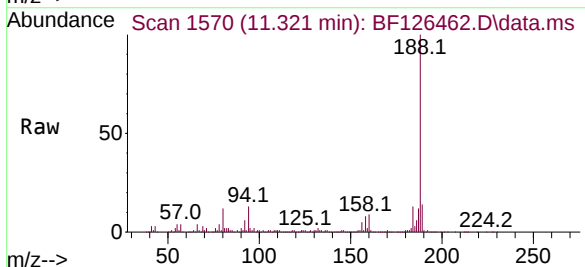
Tgt Ion:188 Resp: 317644

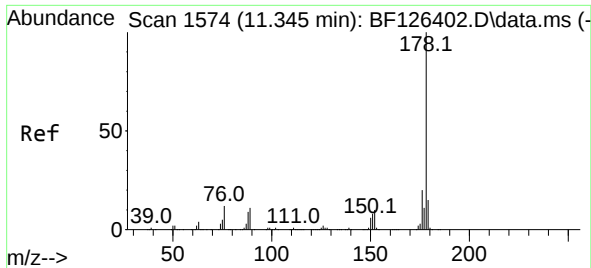
Ion Ratio Lower Upper

188 100

94 12.6 10.1 15.1

80 12.0 11.8 17.6

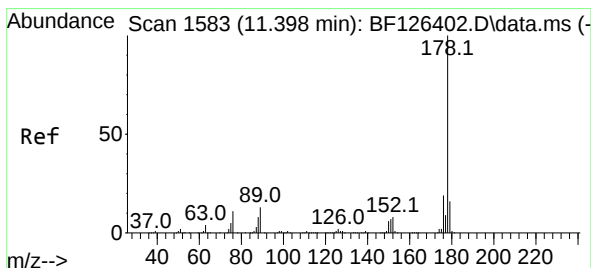
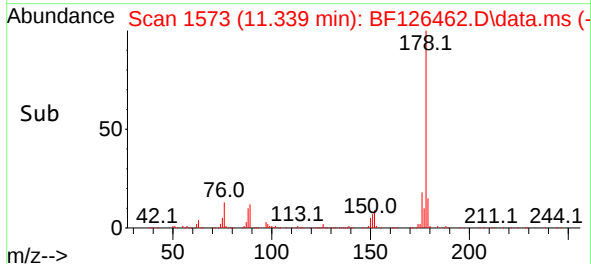
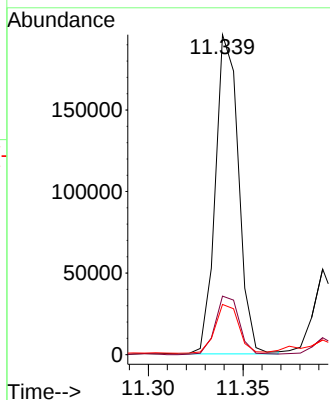
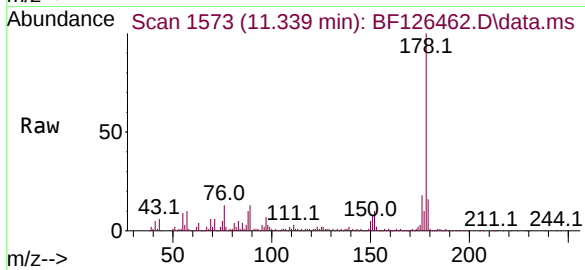




#71
Phenanthrene
Concen: 10.244 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

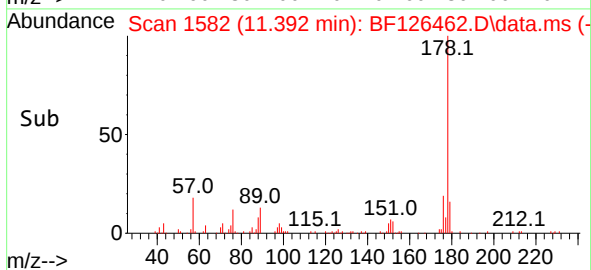
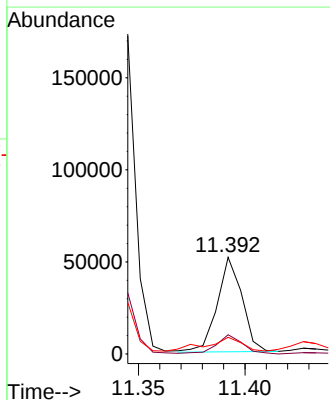
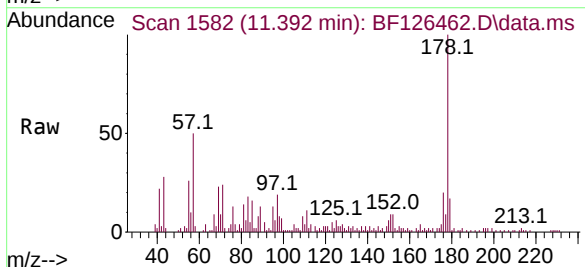
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

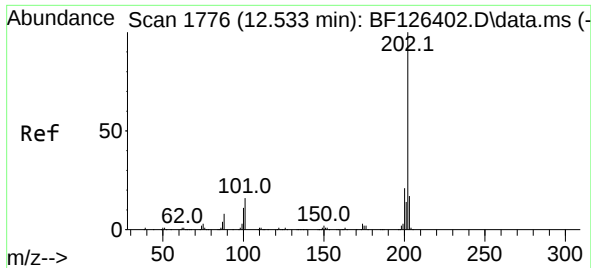
Tgt Ion:178 Resp: 166363
Ion Ratio Lower Upper
178 100
176 18.3 15.7 23.5
179 15.7 12.3 18.5



#72
Anthracene
Concen: 2.554 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:178 Resp: 41496
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 17.2 12.5 18.7

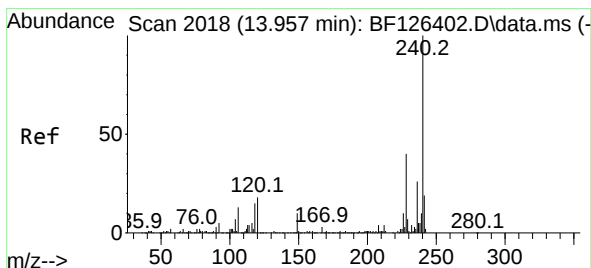
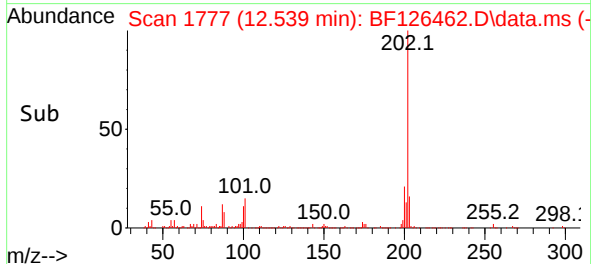
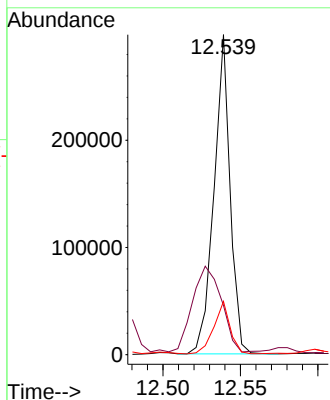
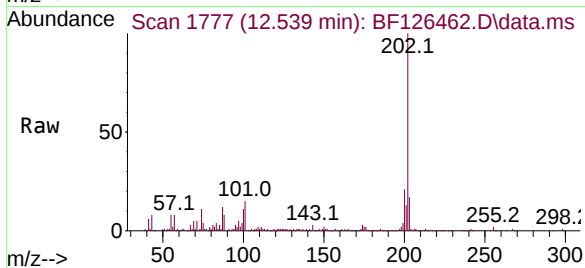




#75
Fluoranthene
Concen: 14.538 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

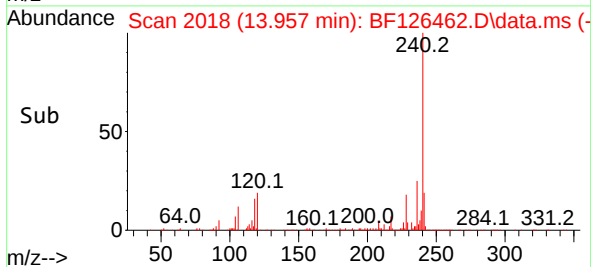
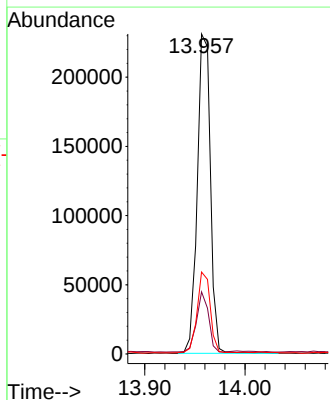
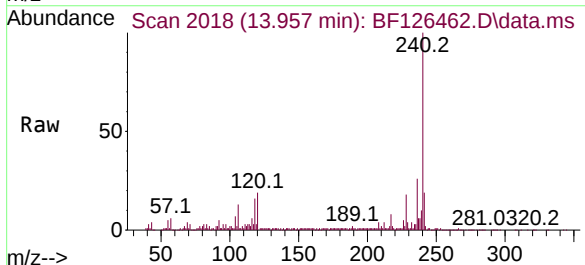
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

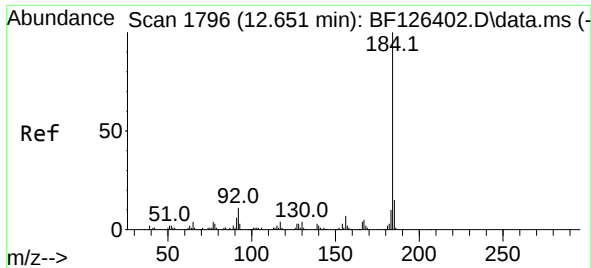
Tgt Ion:202 Resp: 215485
Ion Ratio Lower Upper
202 100
101 15.4 0.0 35.7
203 16.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:240 Resp: 210502
Ion Ratio Lower Upper
240 100
120 19.4 14.4 21.6
236 25.6 20.5 30.7

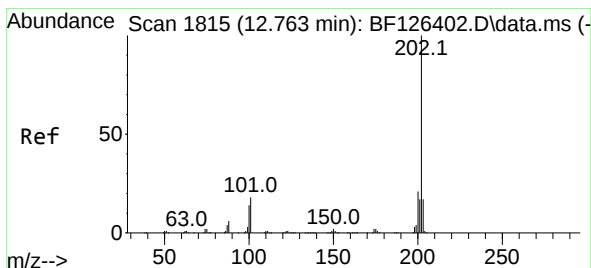
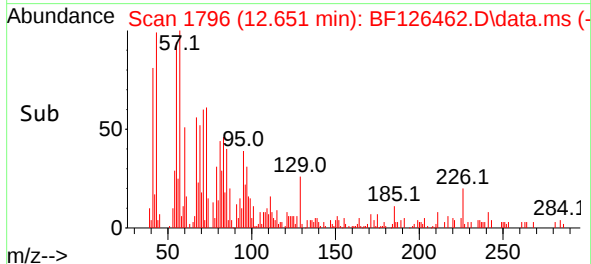
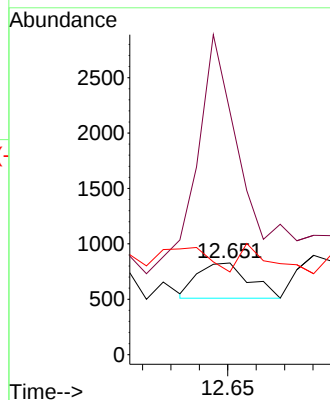
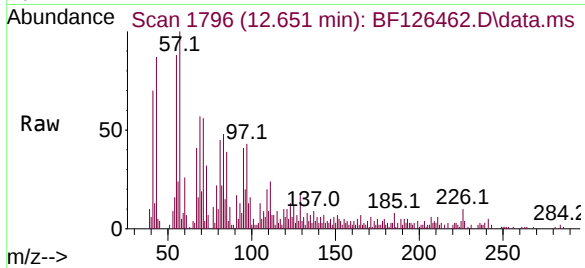




#77
Benzidine
Concen: Below Cal
RT: 12.651 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

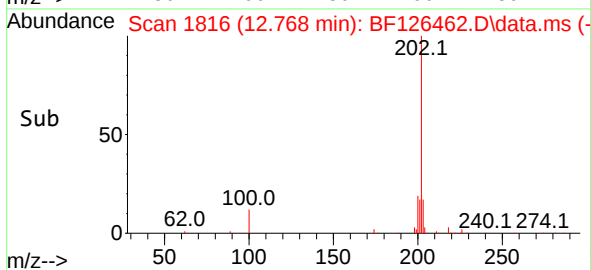
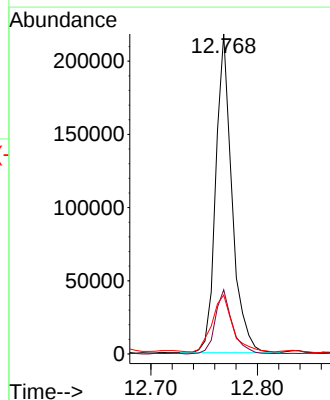
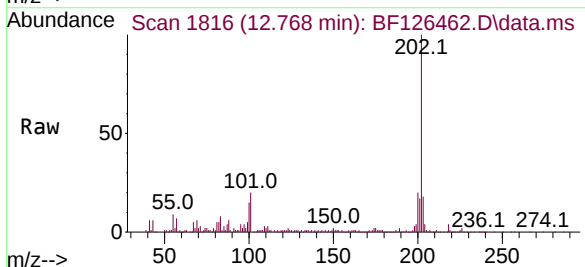
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

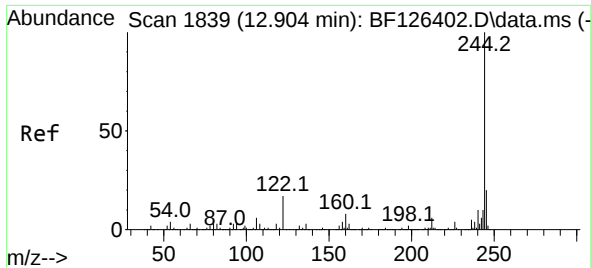
Tgt Ion:184 Resp: 402
Ion Ratio Lower Upper
184 100
185 265.1 11.8 17.8#
183 90.3 8.2 12.2#



#78
Pyrene
Concen: 12.892 ng
RT: 12.768 min Scan# 1816
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:202 Resp: 229334
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 18.4 13.8 20.8

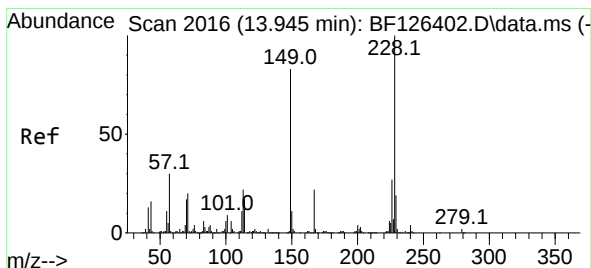
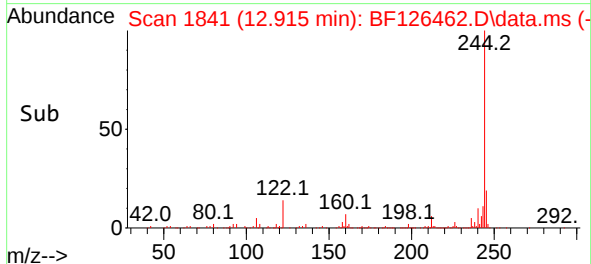
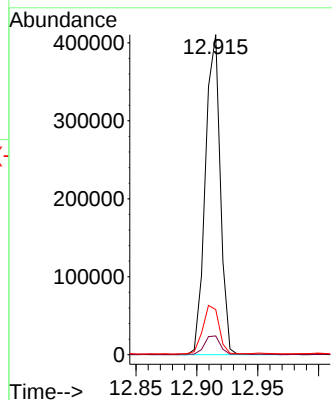
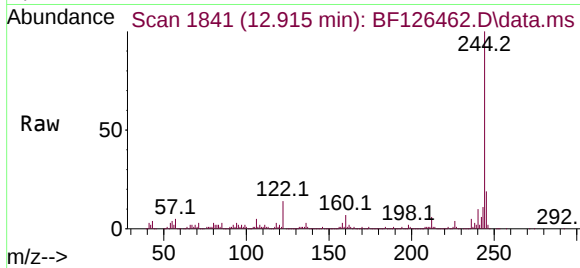




#79
 Terphenyl-d14
 Concen: 32.349 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. 0.012 min
 Lab File: BF126462.D
 Acq: 3 Jan 2022 18:27

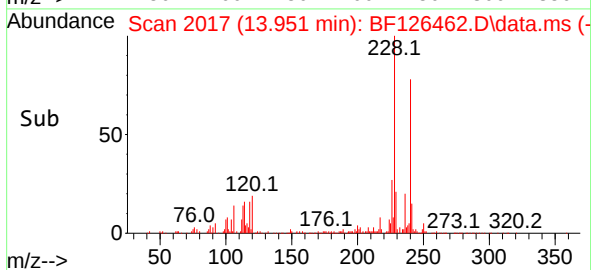
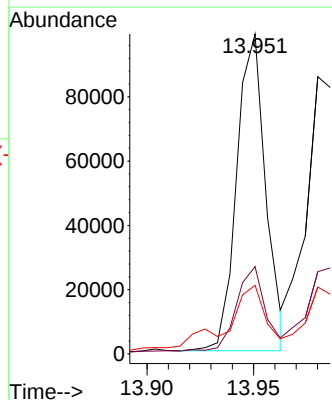
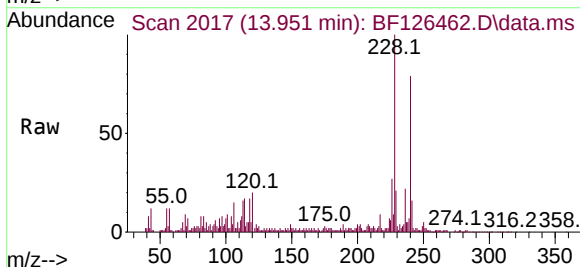
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-122921

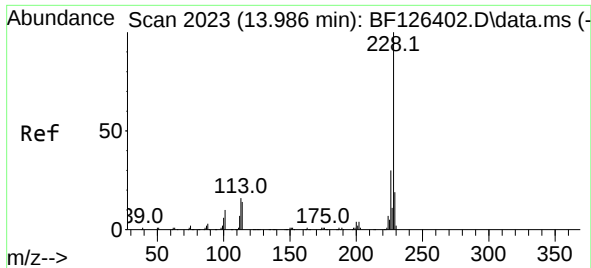
Tgt Ion:244 Resp: 350481
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.0 7.4
 122 14.1 13.3 19.9



#81
 Benzo(a)anthracene
 Concen: 7.687 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF126462.D
 Acq: 3 Jan 2022 18:27

Tgt Ion:228 Resp: 93054
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.0
 229 21.4 15.4 23.2

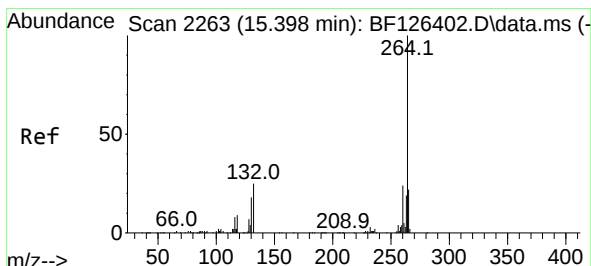
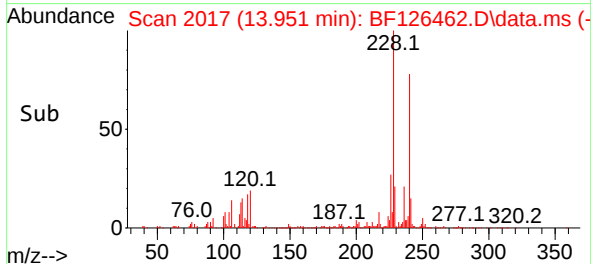
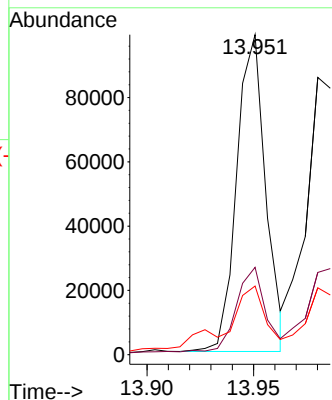
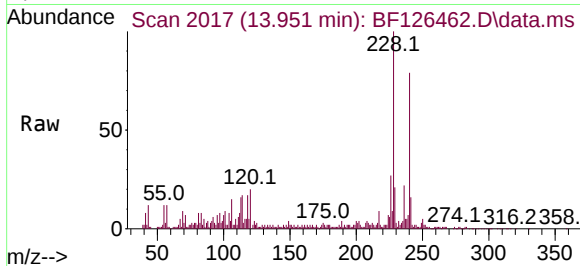




#83
Chrysene
Concen: 7.494 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

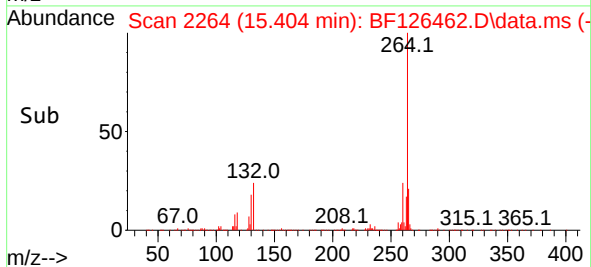
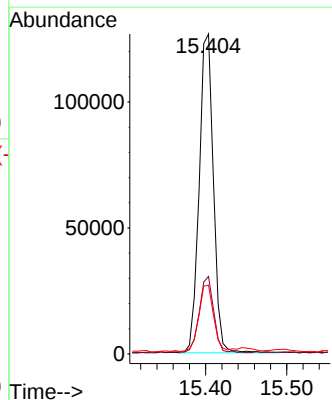
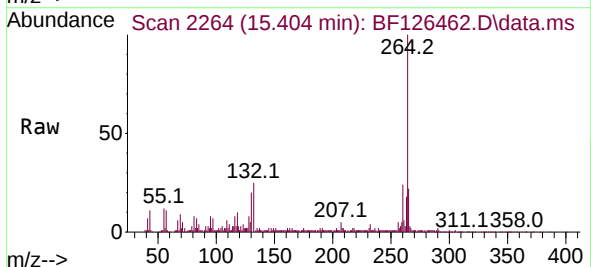
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

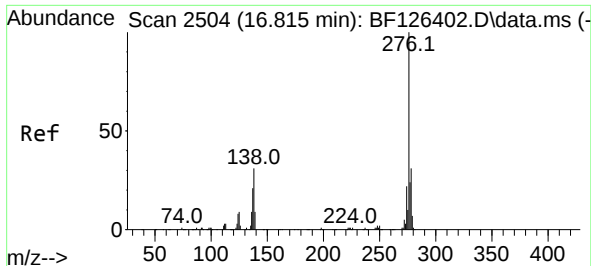
Tgt Ion:228 Resp: 93054
Ion Ratio Lower Upper
228 100
226 27.3 23.7 35.5
229 21.4 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:264 Resp: 154903
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.5 17.4 26.2

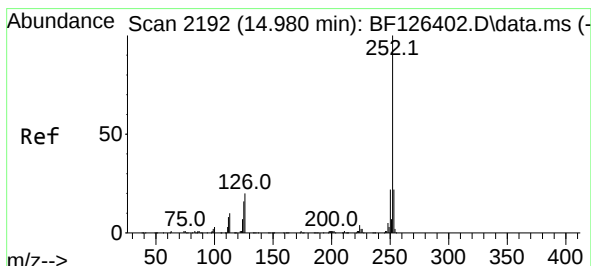
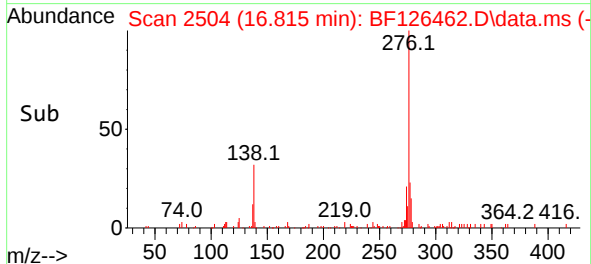
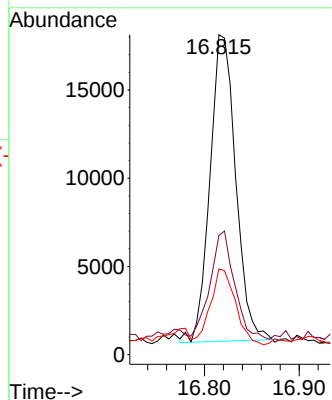
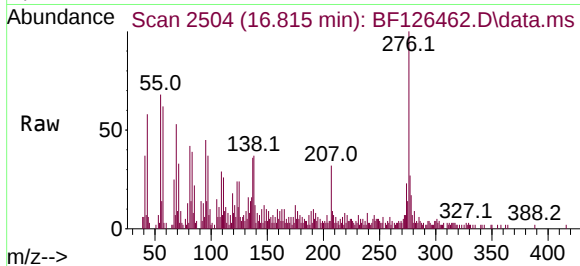




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.165 ng
 RT: 16.815 min Scan# 2193
 Delta R.T. 0.000 min
 Lab File: BF126462.D
 Acq: 3 Jan 2022 18:27

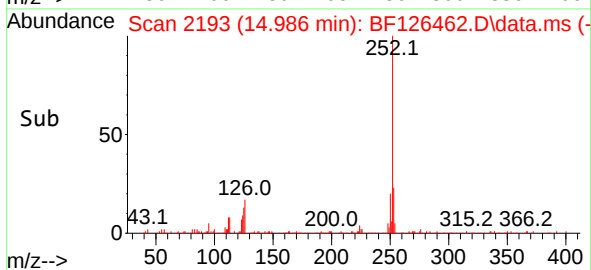
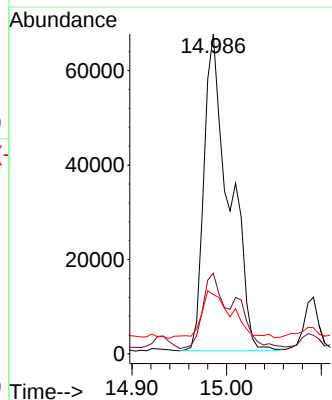
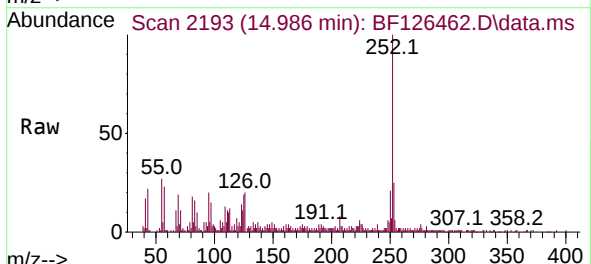
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-122921

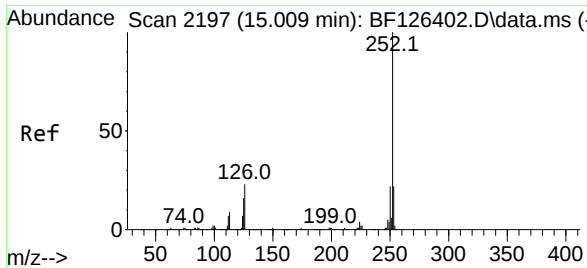
Tgt Ion:276 Resp: 32814
 Ion Ratio Lower Upper
 276 100
 138 33.9 29.2 43.8
 277 24.2 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 13.488 ng
 RT: 14.986 min Scan# 2193
 Delta R.T. 0.006 min
 Lab File: BF126462.D
 Acq: 3 Jan 2022 18:27

Tgt Ion:252 Resp: 124464
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.8 26.8
 125 18.5 12.4 18.6

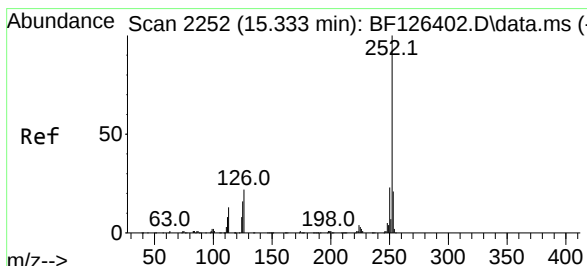
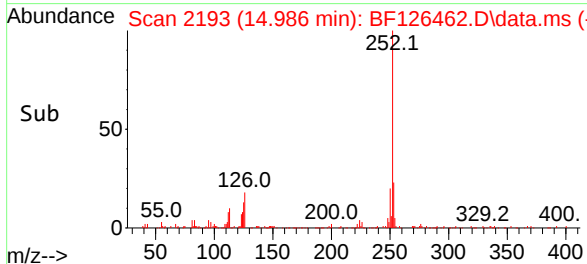
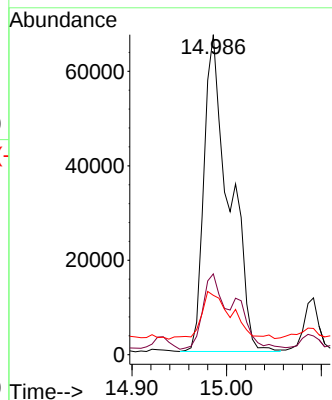
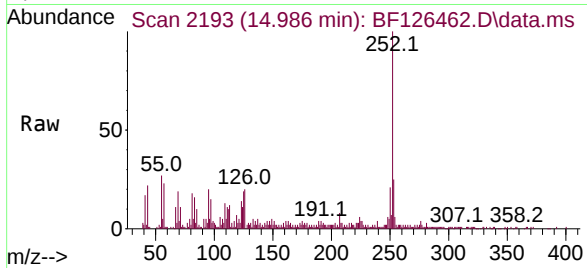




#89
Benzo(k)fluoranthene
Concen: 13.924 ng
RT: 14.986 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

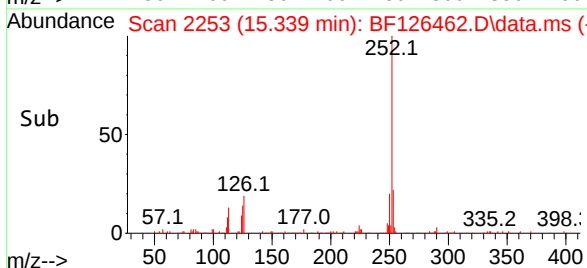
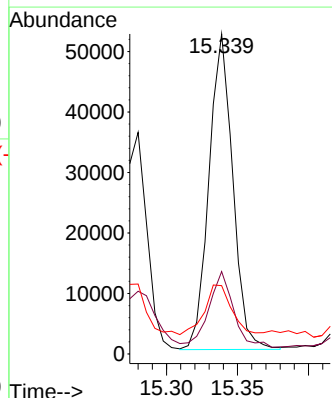
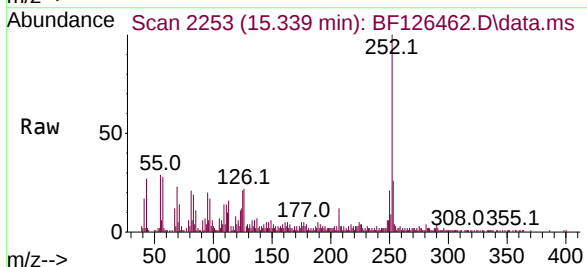
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

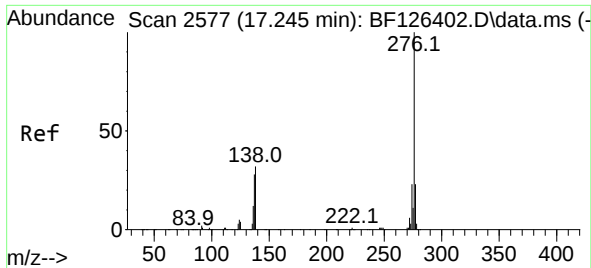
Tgt Ion:252 Resp: 124464
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 18.5 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 7.850 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

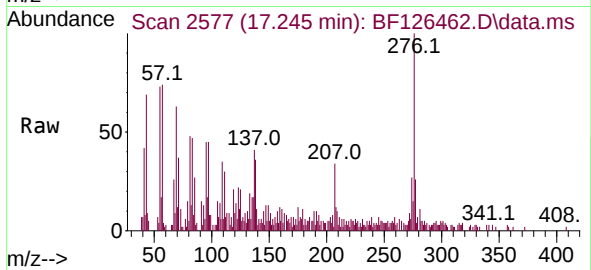
Tgt Ion:252 Resp: 60739
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7#
125 21.4 13.0 19.6#





#92
Benzo(g,h,i)perylene
Concen: 3.401 ng
RT: 17.245 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :
BNA_F
ClientSampleId :
TR-04-122921



Tgt Ion:276 Resp: 30292
Ion Ratio Lower Upper
276 100
277 26.3 18.5 27.7
138 36.0 25.9 38.9

