

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126276.D
 Acq On : 20 Dec 2021 14:02
 Operator : JU/CG
 Sample : M5142-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2

Quant Time: Dec 20 14:29:51 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

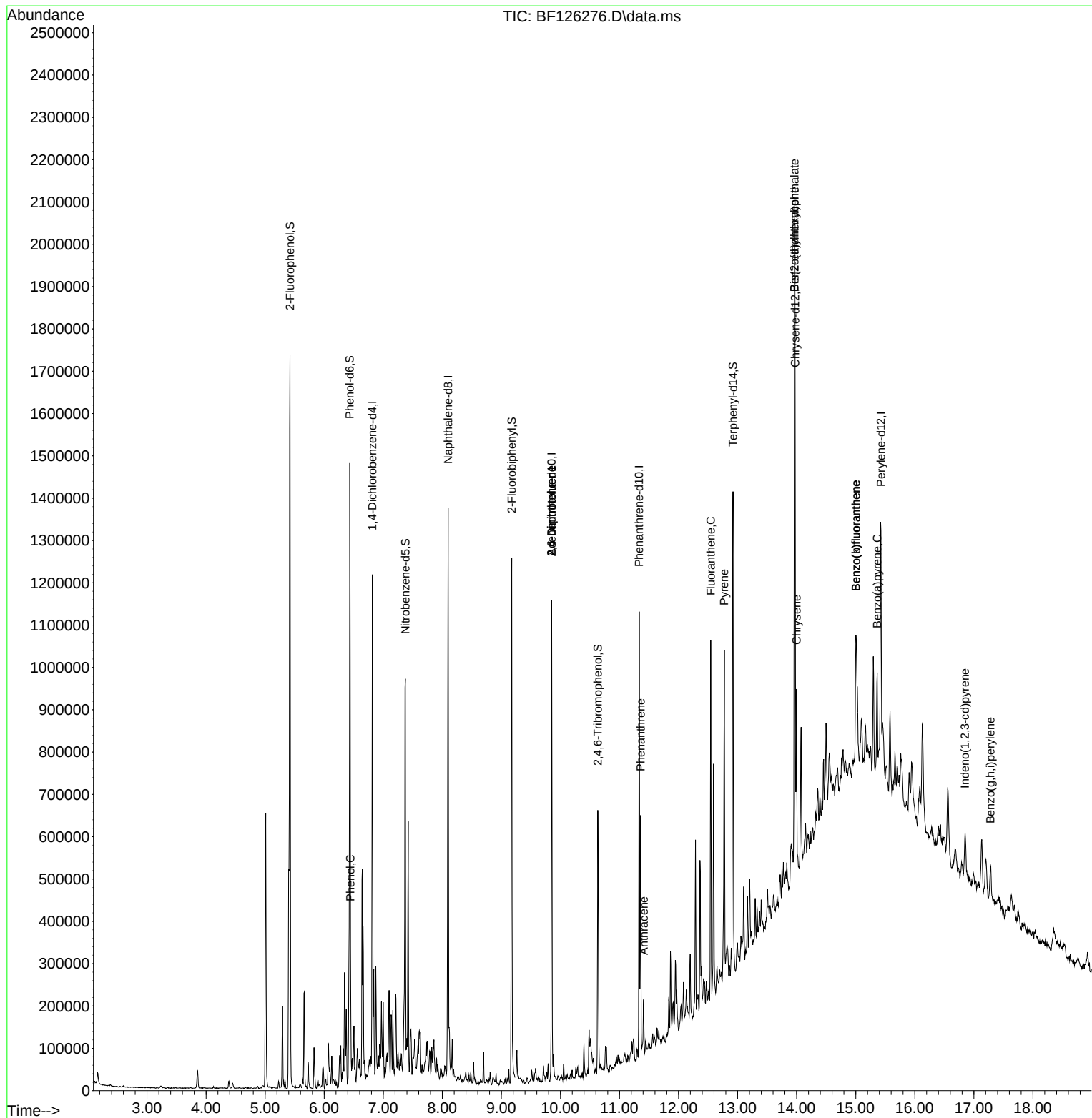
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	148176	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	512260	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	216263	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	341402	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	296603	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	266182	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	440891	43.818	ng	0.00
7) Phenol-d6	6.434	99	498099	38.987	ng	-0.01
23) Nitrobenzene-d5	7.375	82	304206	32.162	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	73096	42.058	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	399135	32.370	ng	0.00
79) Terphenyl-d14	12.921	244	364094	21.336	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.445	94	39032	2.722	ng	91
51) 2,6-Dinitrotoluene	9.851	165	26369	8.893	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	26369	6.972	ng	# 20
71) Phenanthrene	11.357	178	182437	10.353	ng	99
72) Anthracene	11.410	178	45268	2.560	ng	98
75) Fluoranthene	12.545	202	291029	18.331	ng	90
78) Pyrene	12.774	202	291447	10.695	ng	98
81) Benzo(a)anthracene	13.962	228	135153	7.693	ng	96
83) Chrysene	13.998	228	137469	7.531	ng	94
84) Bis(2-ethylhexyl)phtha...	13.962	149	227239	15.858	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.850	276	59111	3.329	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	233611	14.606	ng	# 86
89) Benzo(k)fluoranthene	15.004	252	233611	15.269	ng	# 86
90) Benzo(a)pyrene	15.362	252	119845	9.016	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	61743	4.135	ng	# 86

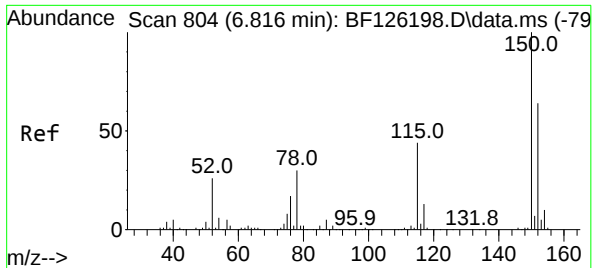
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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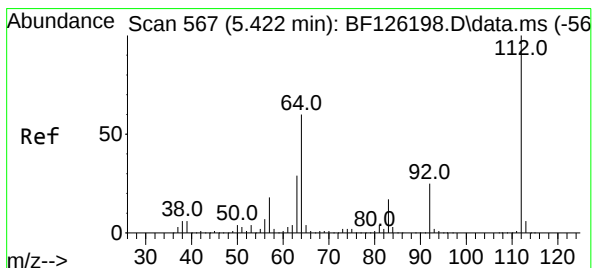
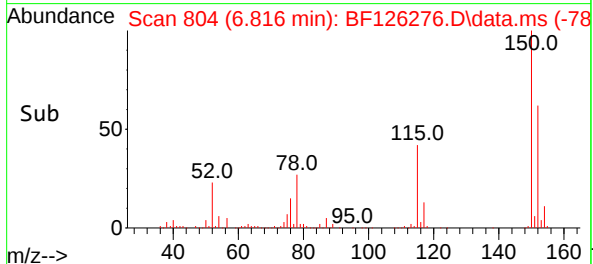
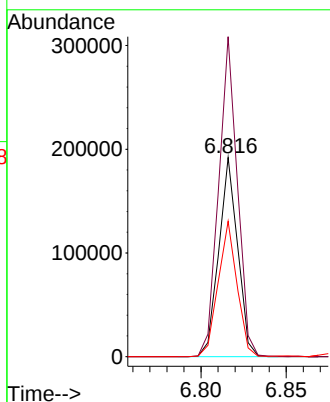
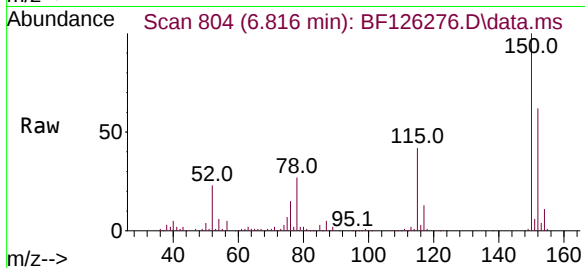




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

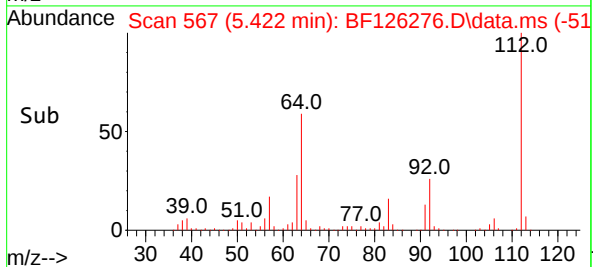
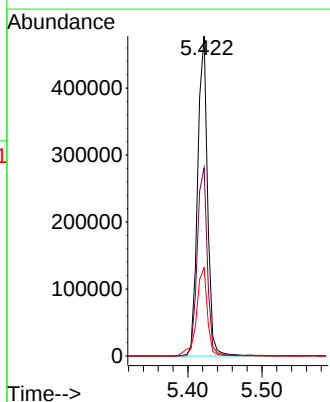
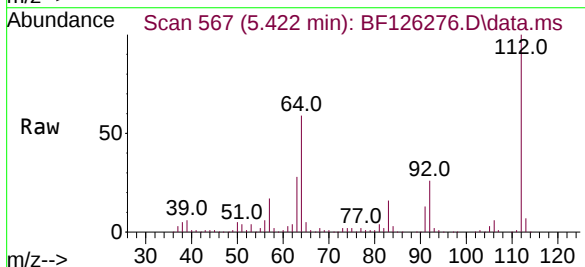
Instrument :
BNA_F
ClientSampleId :
A2

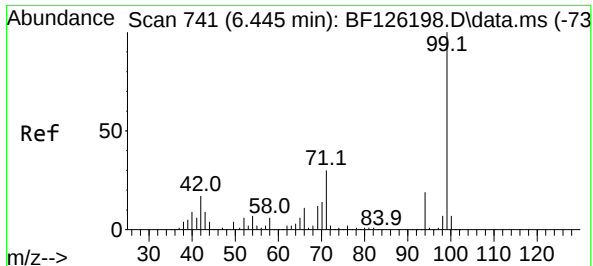
Tgt Ion:152 Resp: 148176
Ion Ratio Lower Upper
152 100
150 160.6 117.6 176.4
115 68.0 47.1 70.7



#5
2-Fluorophenol
Concen: 43.818 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:112 Resp: 440891
Ion Ratio Lower Upper
112 100
64 58.8 44.2 66.2
63 27.6 26.2 39.2





#7

Phenol-d6

Concen: 38.987 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF126276.D

Acq: 20 Dec 2021 14:02

Instrument :

BNA_F

ClientSampleId :

A2

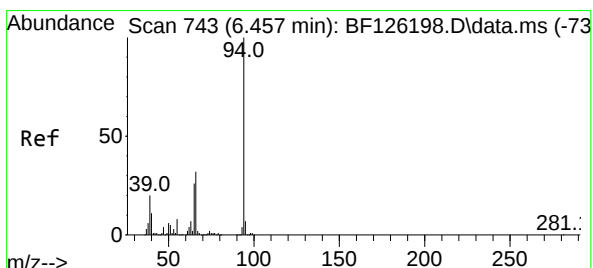
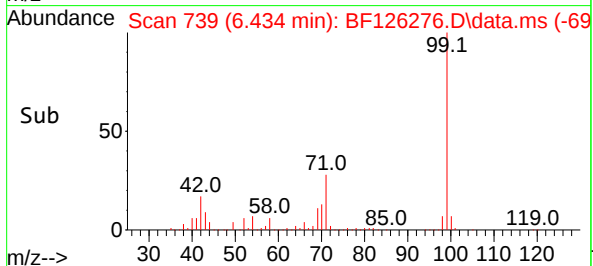
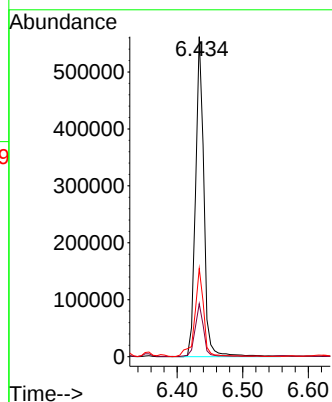
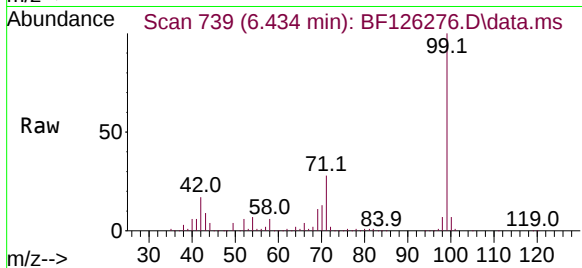
Tgt Ion: 99 Resp: 498099

Ion Ratio Lower Upper

99 100

42 16.6 23.5 35.3#

71 27.6 25.6 38.4



#10

Phenol

Concen: 2.722 ng

RT: 6.445 min Scan# 741

Delta R.T. -0.012 min

Lab File: BF126276.D

Acq: 20 Dec 2021 14:02

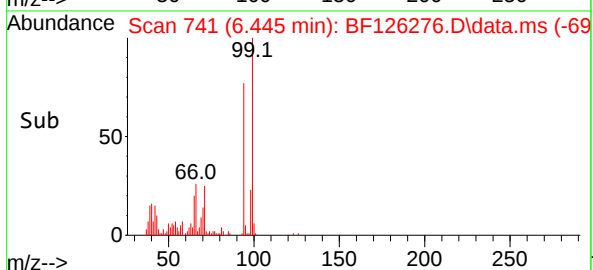
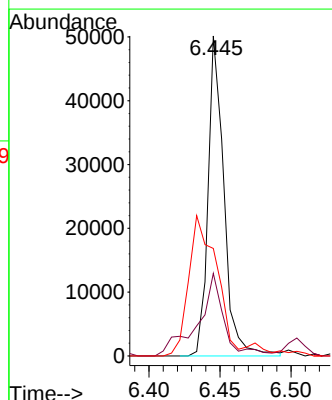
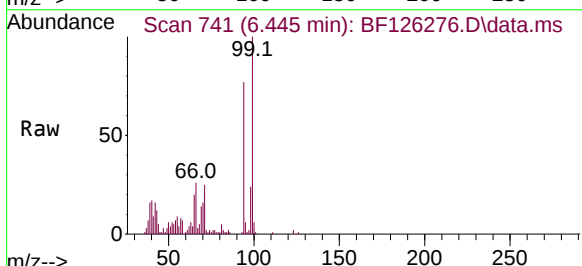
Tgt Ion: 94 Resp: 39032

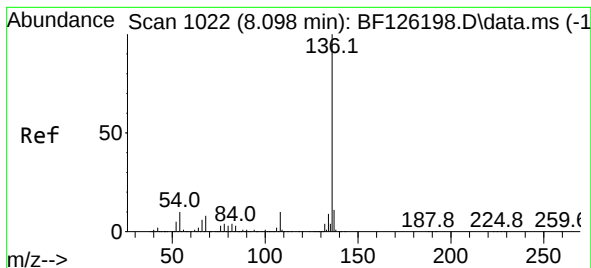
Ion Ratio Lower Upper

94 100

65 25.8 9.3 49.3

66 33.6 20.3 60.3

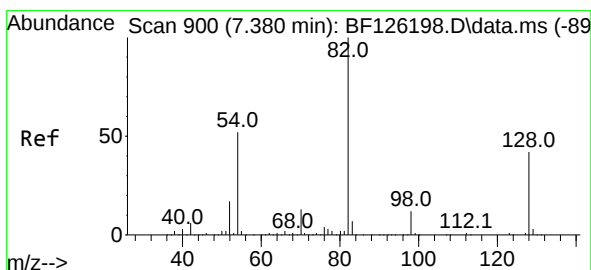
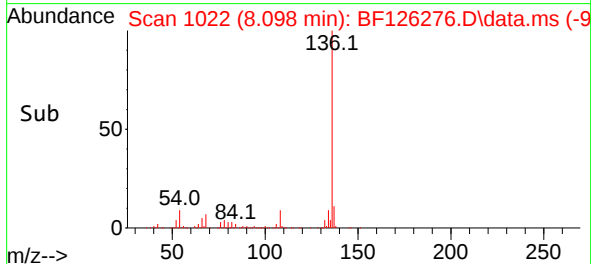
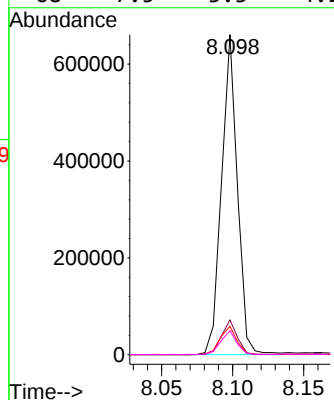
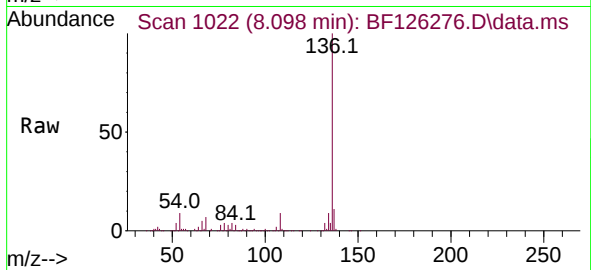




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

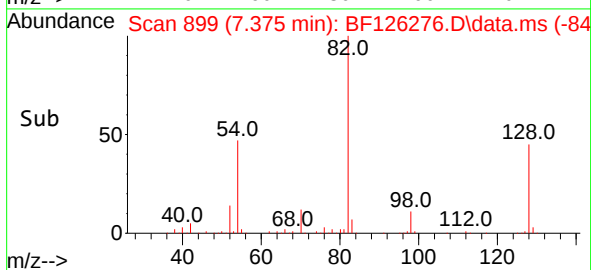
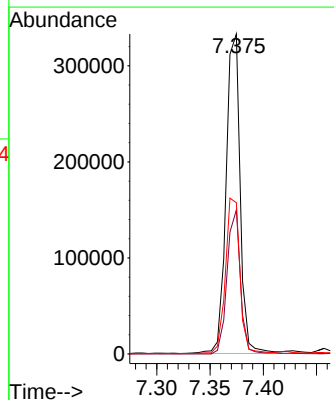
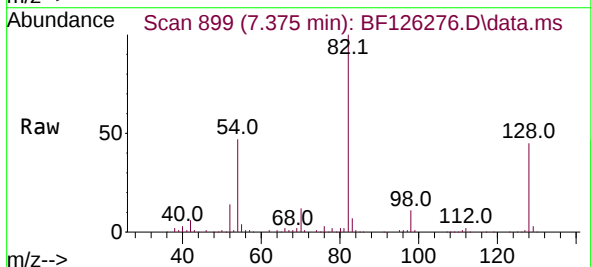
Instrument :
BNA_F
ClientSampleId :
A2

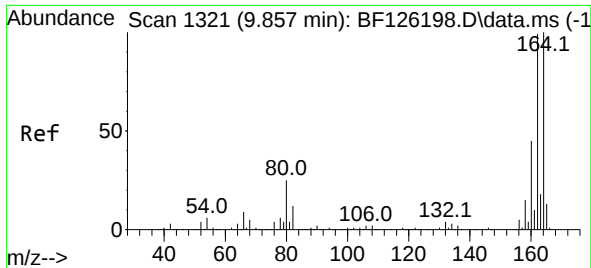
Tgt Ion:	136	Resp:	512260
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	8.9	6.4	9.6
68	7.5	3.3	4.9



#23
Nitrobenzene-d5
Concen: 32.162 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:	82	Resp:	304206
Ion	Ratio	Lower	Upper
82	100		
128	45.0	40.6	60.8
54	47.3	49.6	74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126276.D

Acq: 20 Dec 2021 14:02

Instrument :

BNA_F

ClientSampleId :

A2

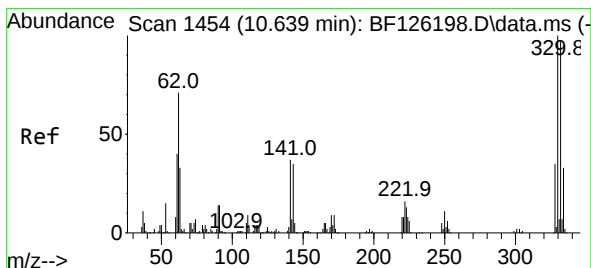
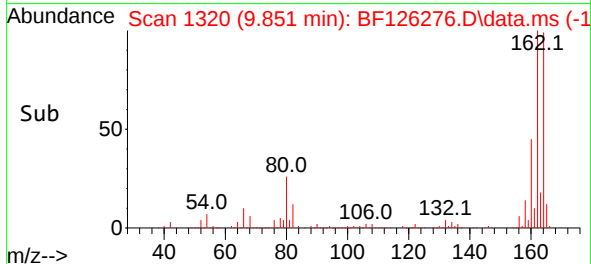
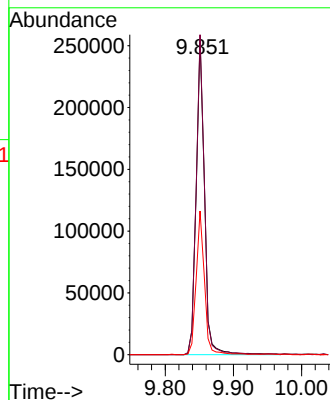
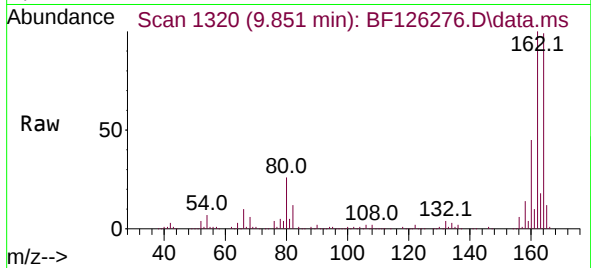
Tgt Ion:164 Resp: 216263

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

160 45.5 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 42.058 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF126276.D

Acq: 20 Dec 2021 14:02

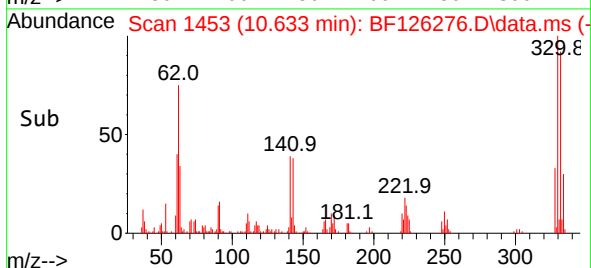
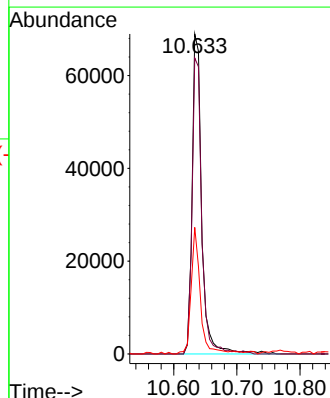
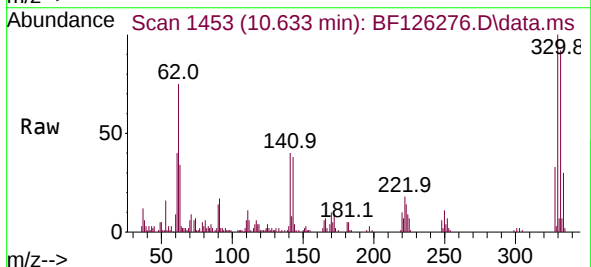
Tgt Ion:330 Resp: 73096

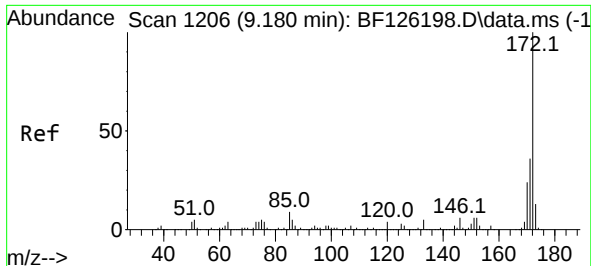
Ion Ratio Lower Upper

330 100

332 93.5 76.2 114.4

141 37.3 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 32.370 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126276.D

Acq: 20 Dec 2021 14:02

Instrument :

BNA_F

ClientSampleId :

A2

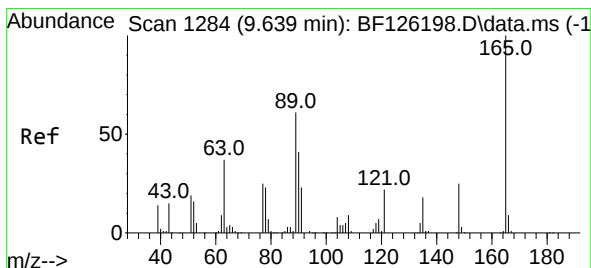
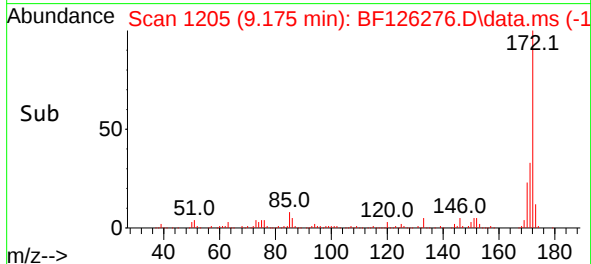
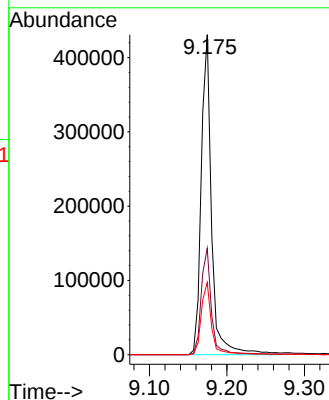
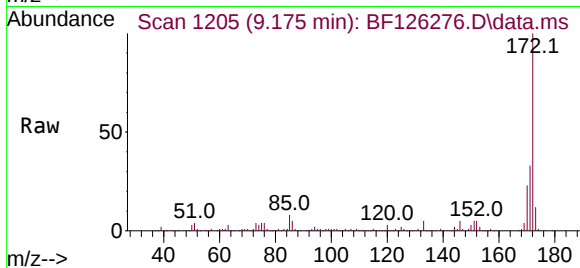
Tgt Ion:172 Resp: 399135

Ion Ratio Lower Upper

172 100

171 33.2 26.5 39.7

170 22.6 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.893 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126276.D

Acq: 20 Dec 2021 14:02

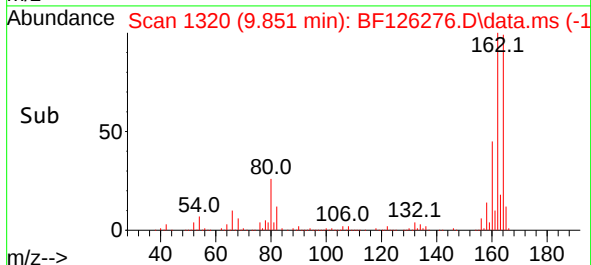
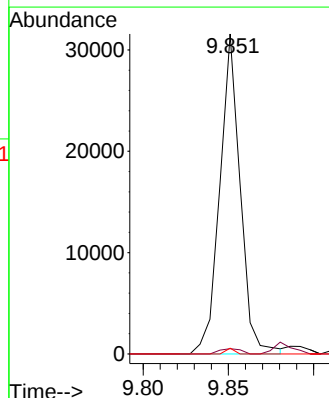
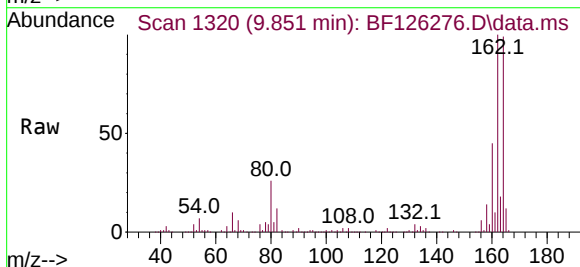
Tgt Ion:165 Resp: 26369

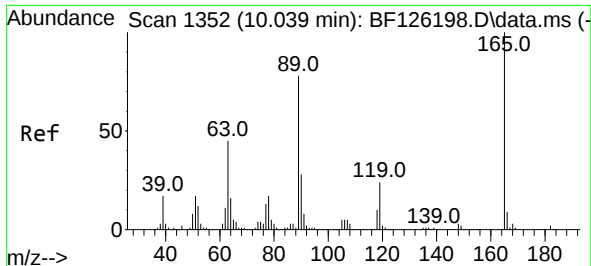
Ion Ratio Lower Upper

165 100

63 1.7 42.6 63.8#

89 1.8 40.6 60.8#

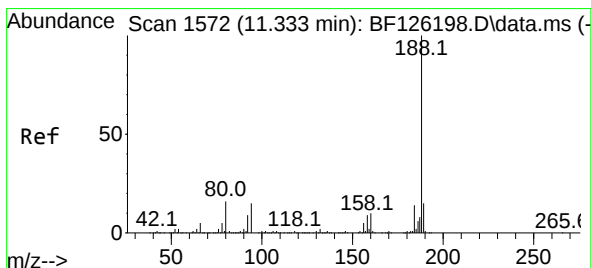
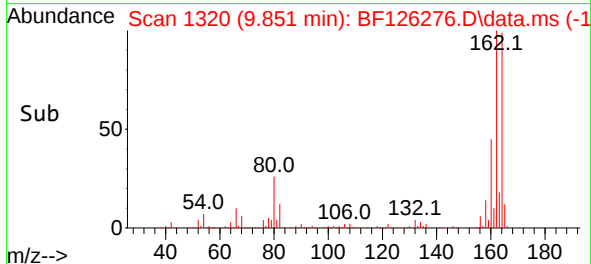
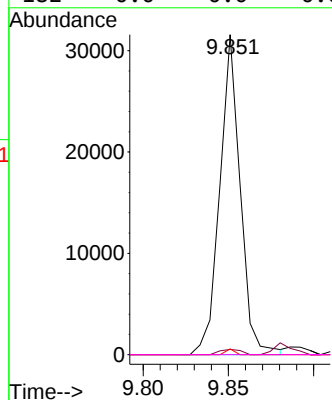
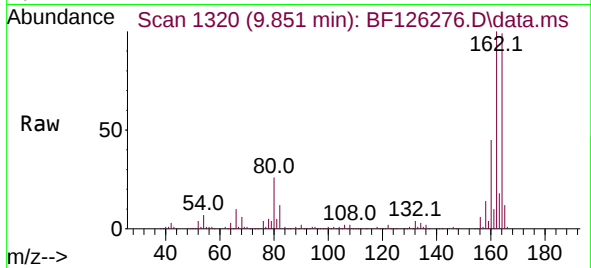




#57
2,4-Dinitrotoluene
Concen: 6.972 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

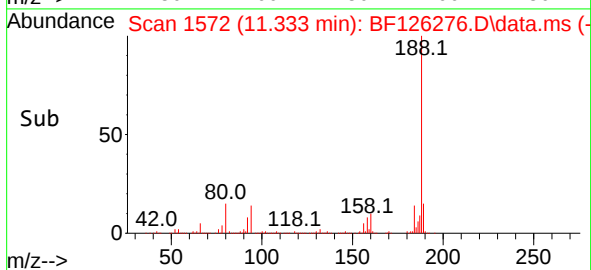
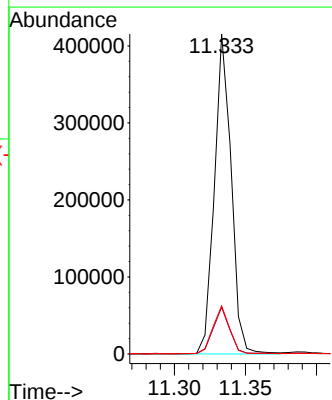
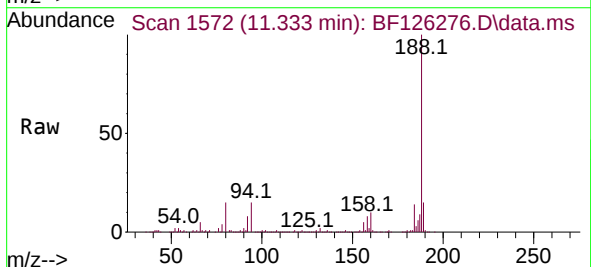
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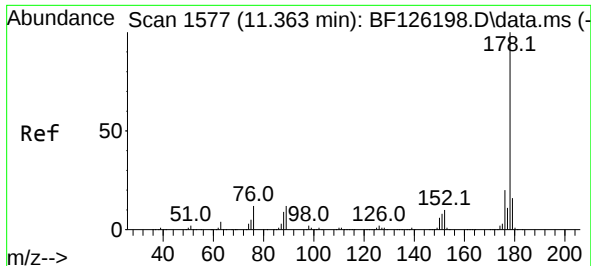
Tgt Ion:165 Resp: 26369
Ion Ratio Lower Upper
165 100
63 1.7 40.9 61.3#
89 1.8 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:188 Resp: 341402
Ion Ratio Lower Upper
188 100
94 14.6 6.7 10.1#
80 15.1 7.5 11.3#

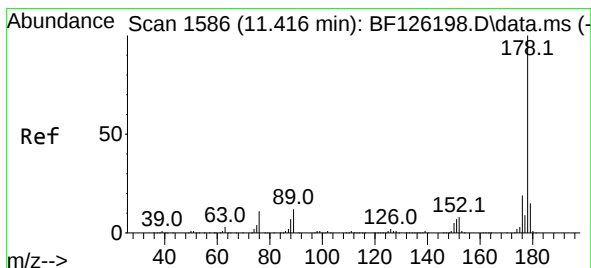
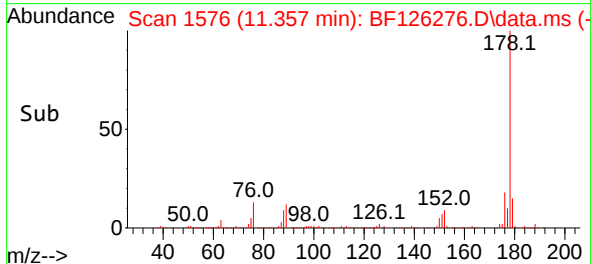
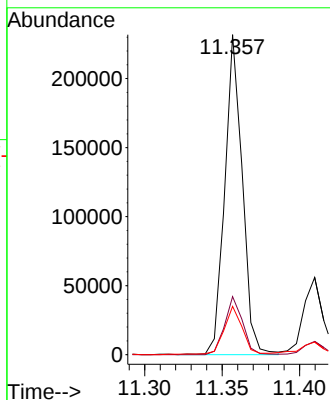
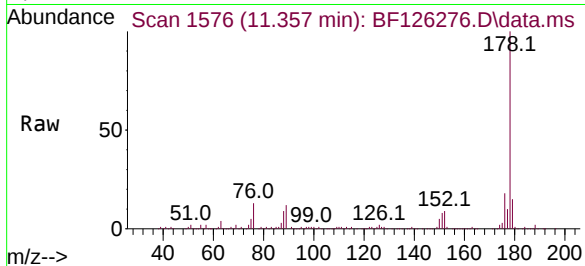




#71
Phenanthrene
Concen: 10.353 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

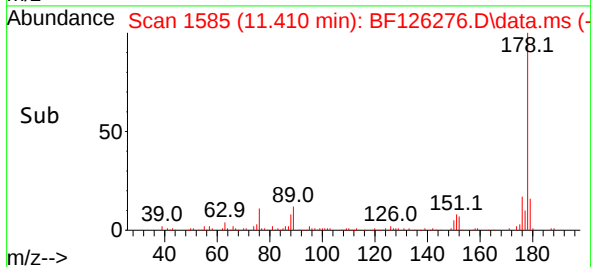
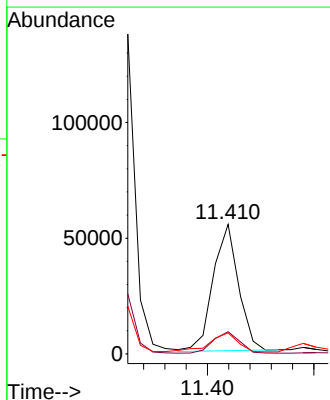
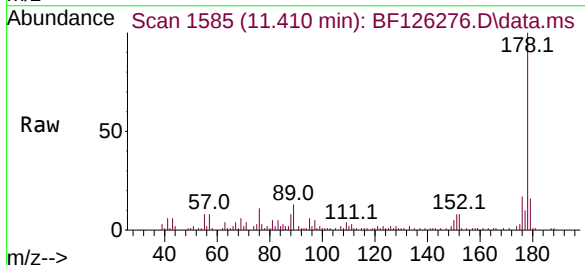
Instrument :
BNA_F
ClientSampleId :
A2

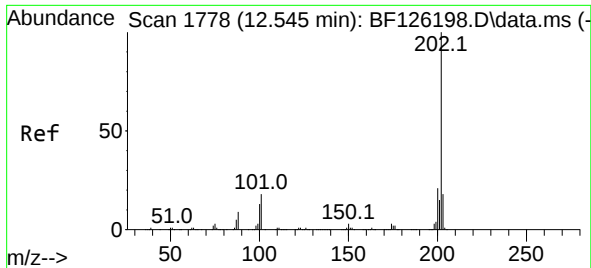
Tgt Ion:178 Resp: 182437
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 2.560 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:178 Resp: 45268
Ion Ratio Lower Upper
178 100
176 17.1 14.3 21.5
179 16.3 12.2 18.4

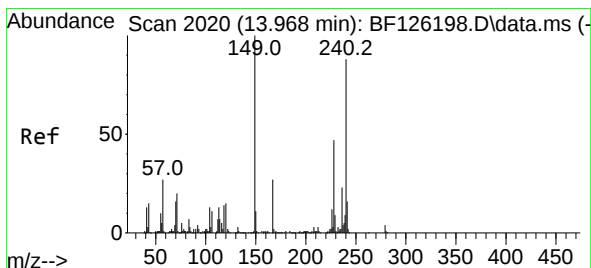
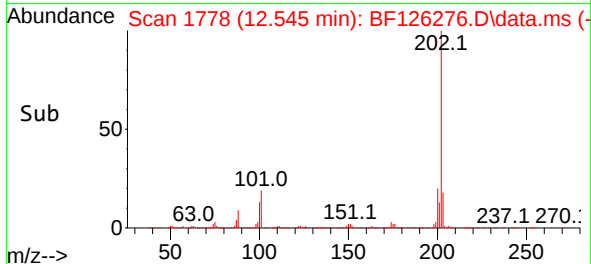
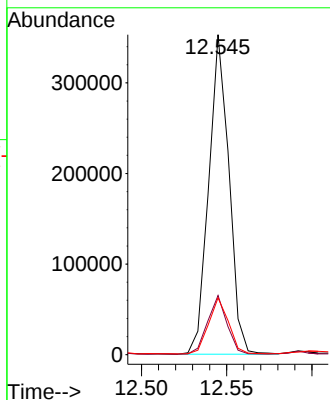
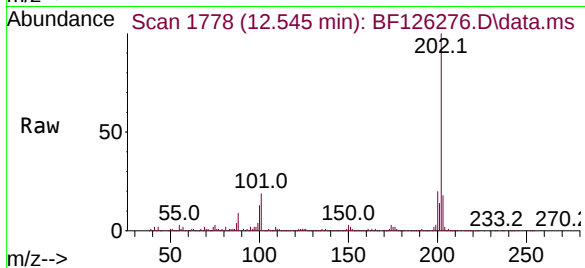




#75
Fluoranthene
Concen: 18.331 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

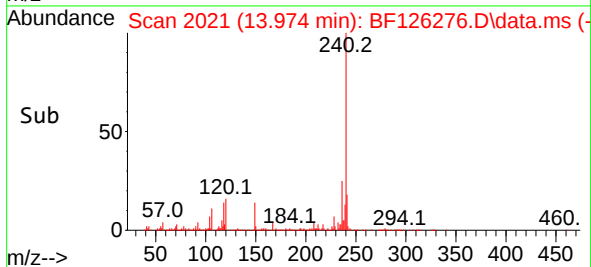
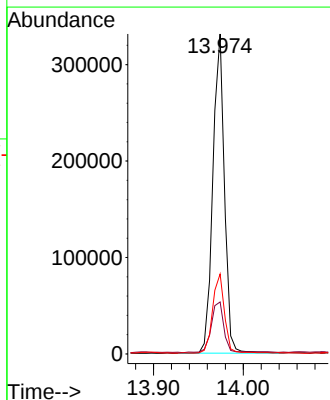
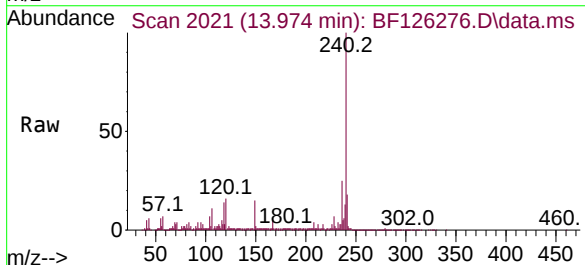
Instrument :
BNA_F
ClientSampleId :
A2

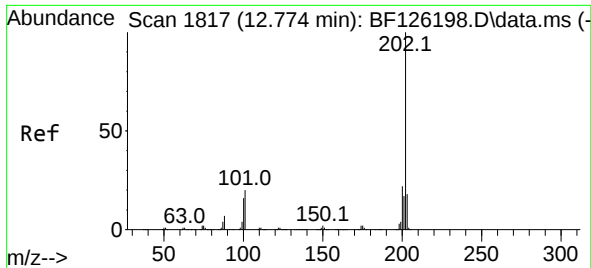
Tgt Ion:202 Resp: 291029
Ion Ratio Lower Upper
202 100
101 18.5 0.0 30.7
203 17.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:240 Resp: 296603
Ion Ratio Lower Upper
240 100
120 16.2 10.8 16.2#
236 25.0 21.6 32.4

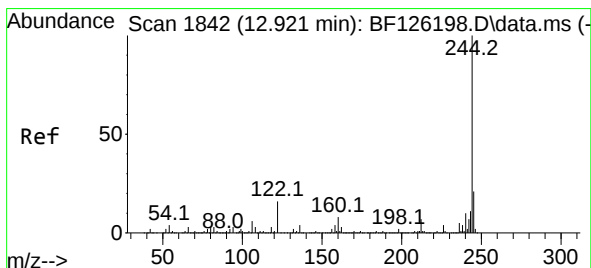
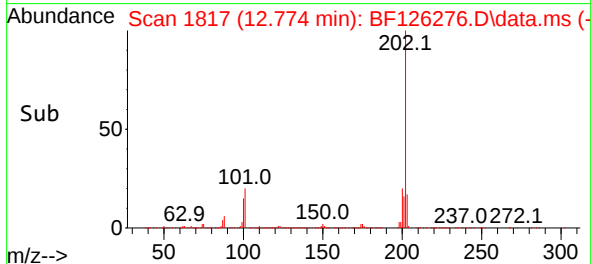
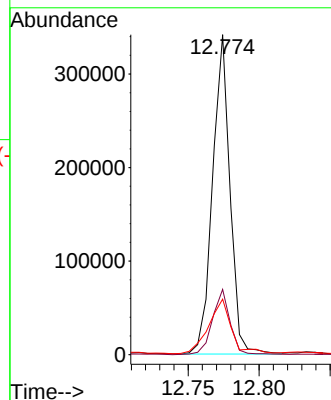
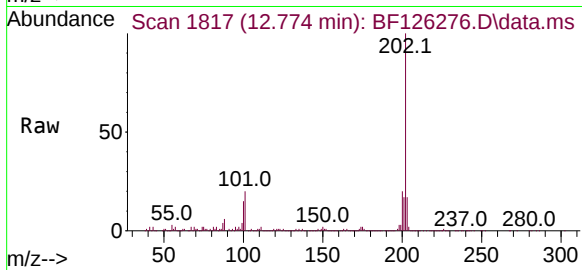




#78
Pyrene
Concen: 10.695 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

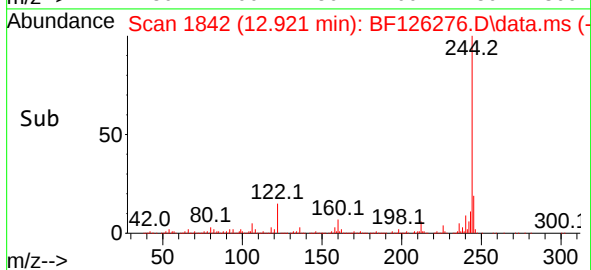
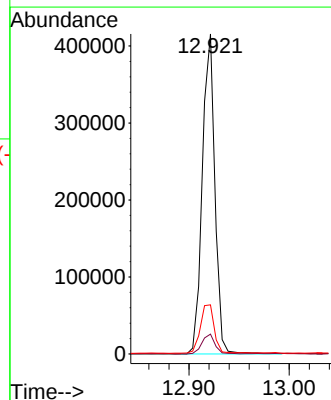
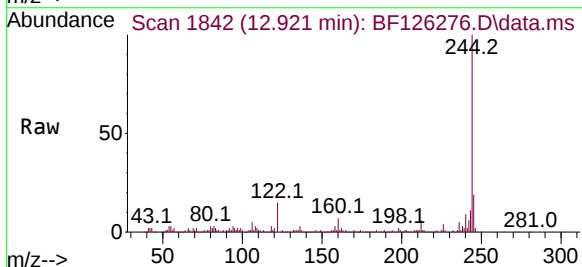
Instrument :
BNA_F
ClientSampleId :
A2

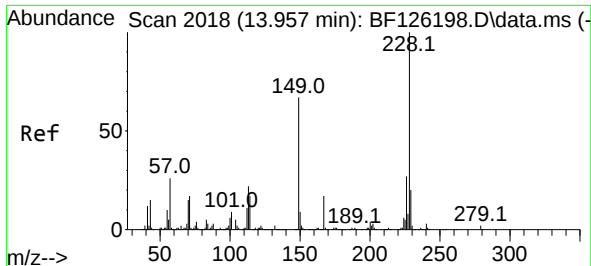
Tgt Ion:202 Resp: 291447
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 17.4 13.4 20.0



#79
Terphenyl-d14
Concen: 21.336 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:244 Resp: 364094
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 15.4 9.0 13.4#

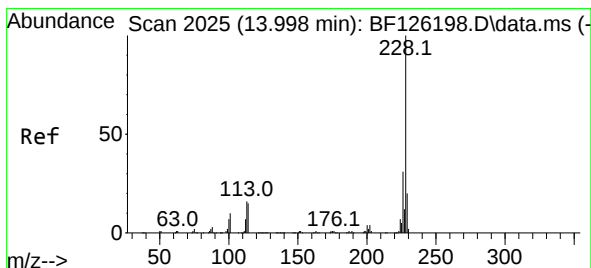
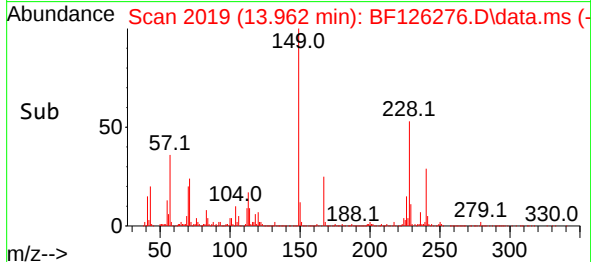
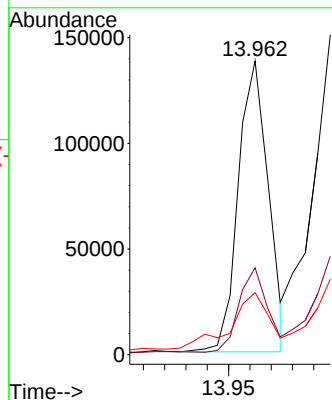
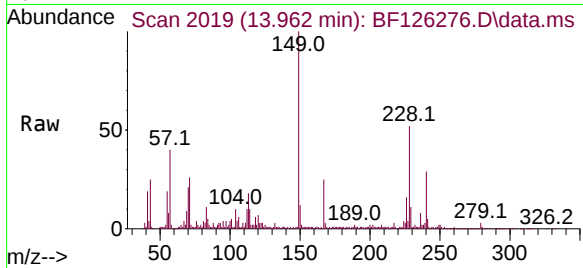




#81
Benzo(a)anthracene
Concen: 7.693 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

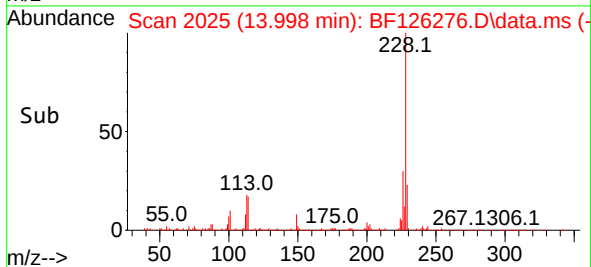
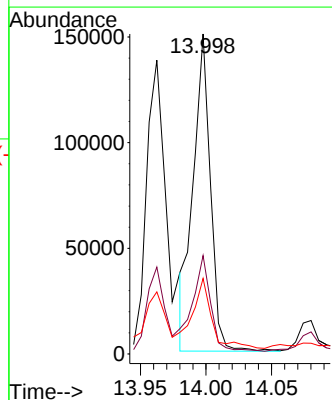
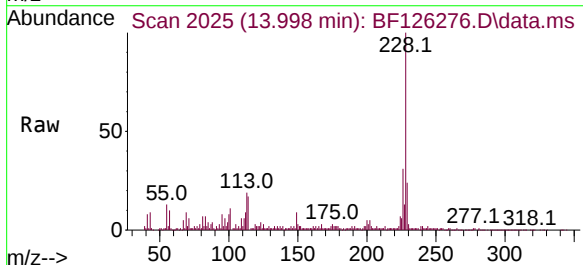
Instrument :
BNA_F
ClientSampleId :
A2

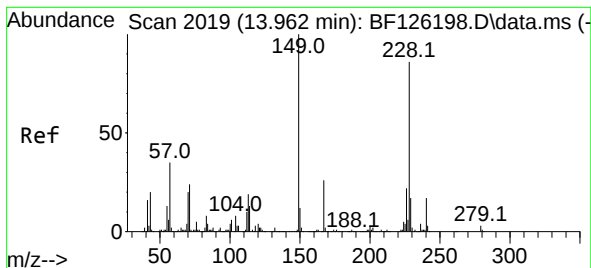
Tgt Ion:228 Resp: 135153
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 21.1 15.6 23.4



#83
Chrysene
Concen: 7.531 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:228 Resp: 137469
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 23.6 15.9 23.9

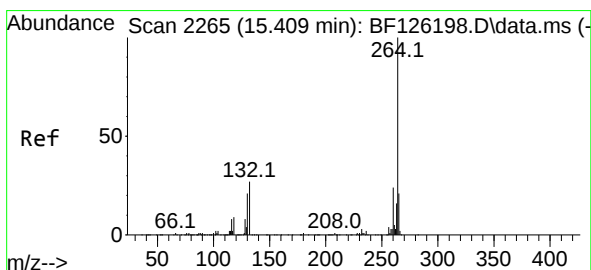
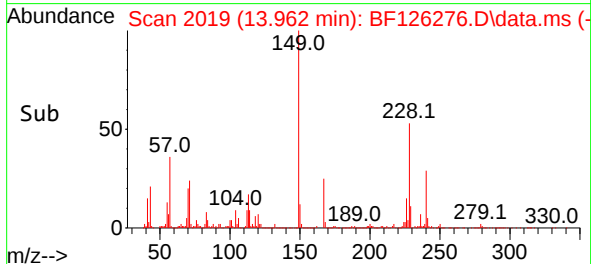
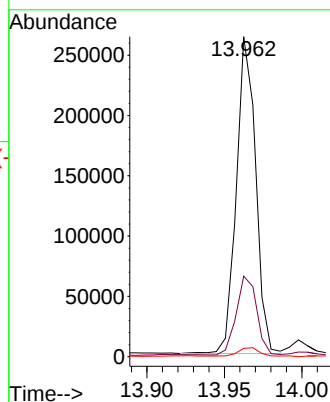
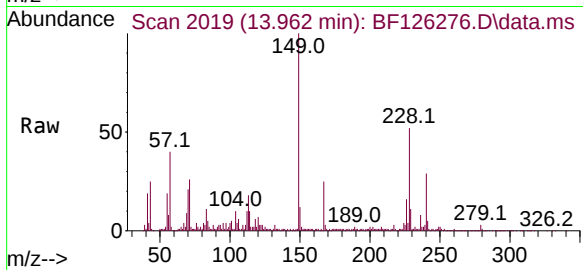




#84
Bis(2-ethylhexyl)phthalate
Concen: 15.858 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

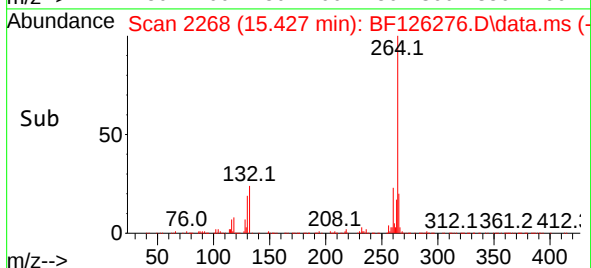
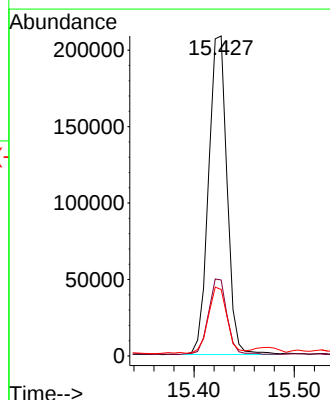
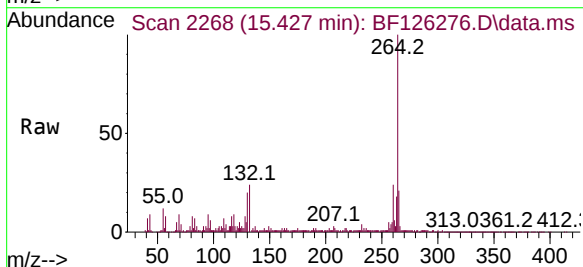
Instrument :
BNA_F
ClientSampleId :
A2

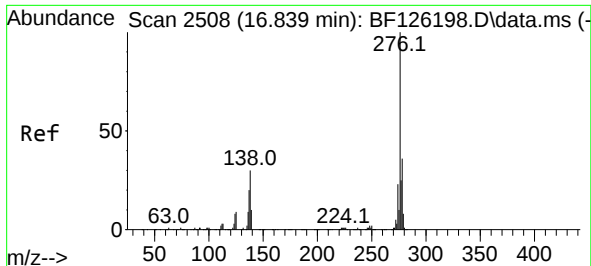
Tgt Ion:149 Resp: 227239
Ion Ratio Lower Upper
149 100
167 25.2 21.4 32.0
279 2.6 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:264 Resp: 266182
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 20.8 17.2 25.8

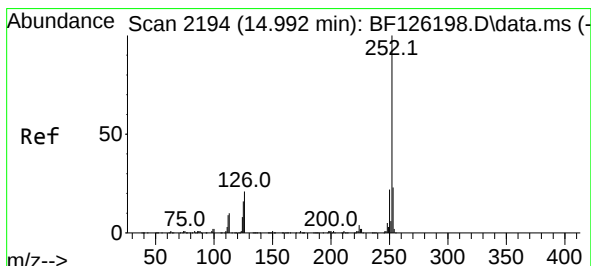
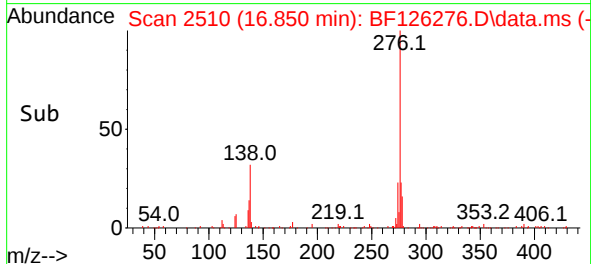
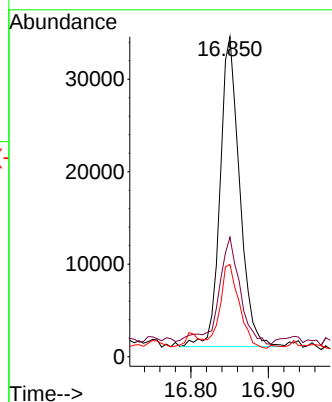
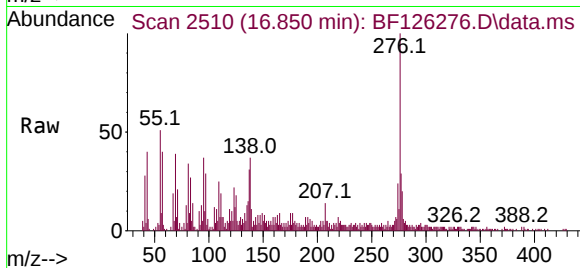




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.329 ng
RT: 16.850 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

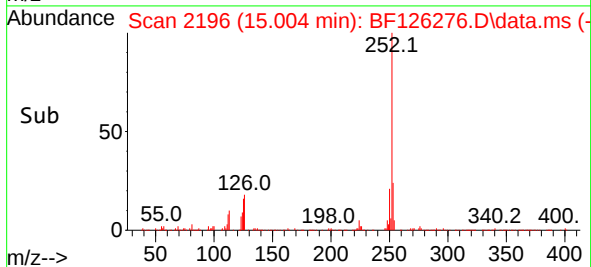
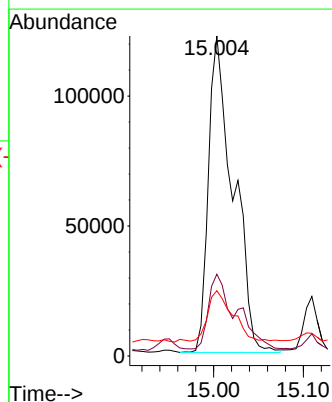
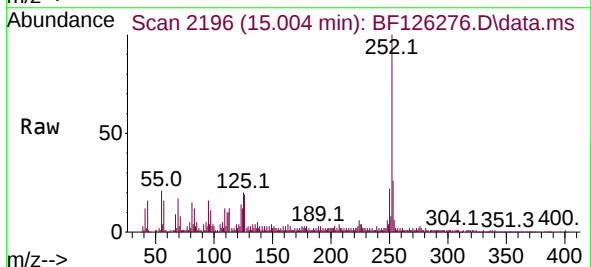
Instrument :
BNA_F
ClientSampleId :
A2

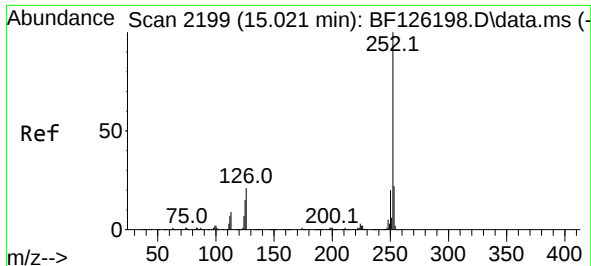
Tgt Ion:276 Resp: 59111
Ion Ratio Lower Upper
276 100
138 38.5 24.1 36.1#
277 26.6 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 14.606 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:252 Resp: 233611
Ion Ratio Lower Upper
252 100
253 25.5 16.8 25.2#
125 20.4 9.8 14.8#

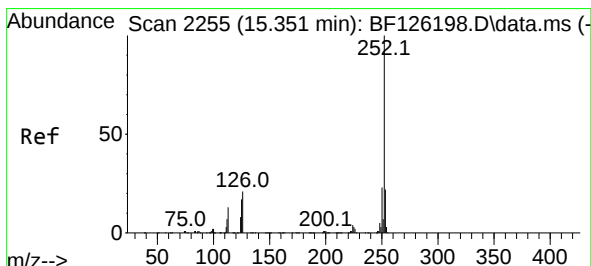
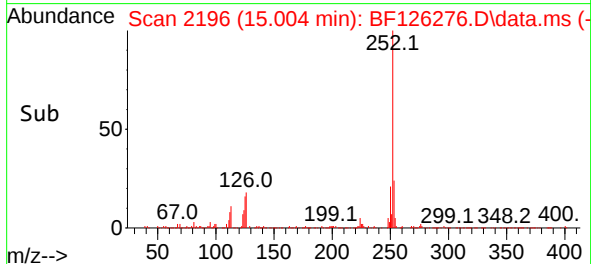
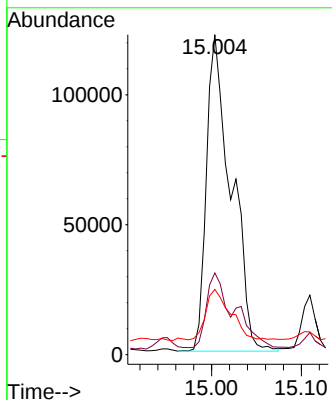
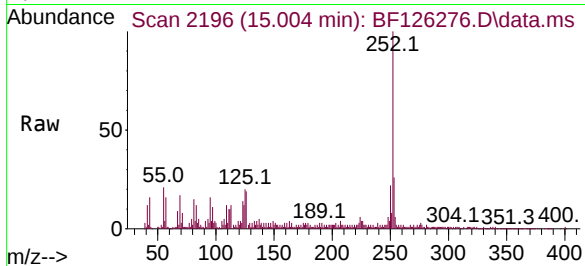




#89
Benzo(k)fluoranthene
Concen: 15.269 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

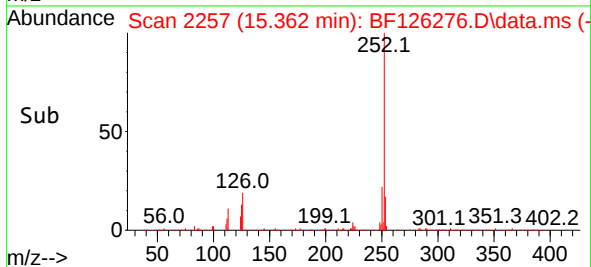
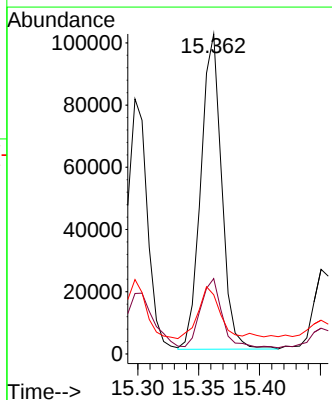
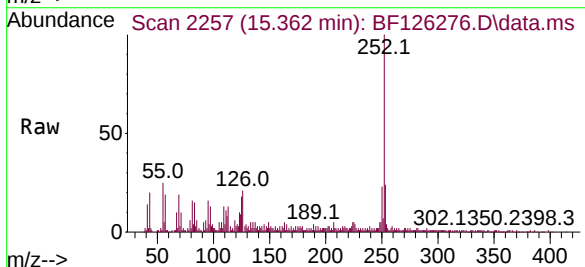
Instrument :
BNA_F
ClientSampleId :
A2

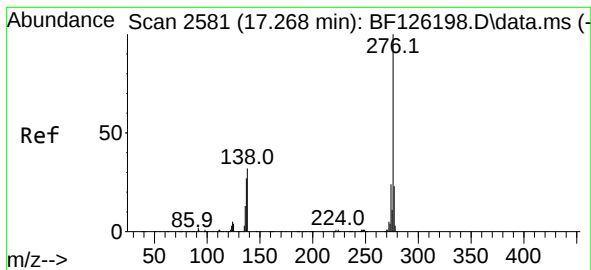
Tgt Ion:252 Resp: 233611
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 20.4 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 9.016 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF126276.D
Acq: 20 Dec 2021 14:02

Tgt Ion:252 Resp: 119845
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 18.5 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 4.135 ng

RT: 17.280 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126276.D

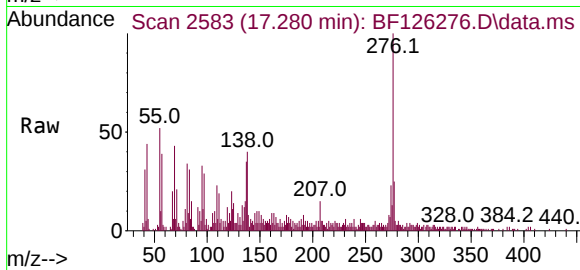
Acq: 20 Dec 2021 14:02

Instrument :

BNA_F

ClientSampleId :

A2



Tgt Ion:276 Resp: 61743

Ion Ratio Lower Upper

276 100

277 25.2 22.0 33.0

138 39.9 22.2 33.4#

