

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125885.D
 Acq On : 18 Oct 2021 19:23
 Operator : JU/CG
 Sample : M4252-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-CA-(1)

Quant Time: Oct 19 09:08:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

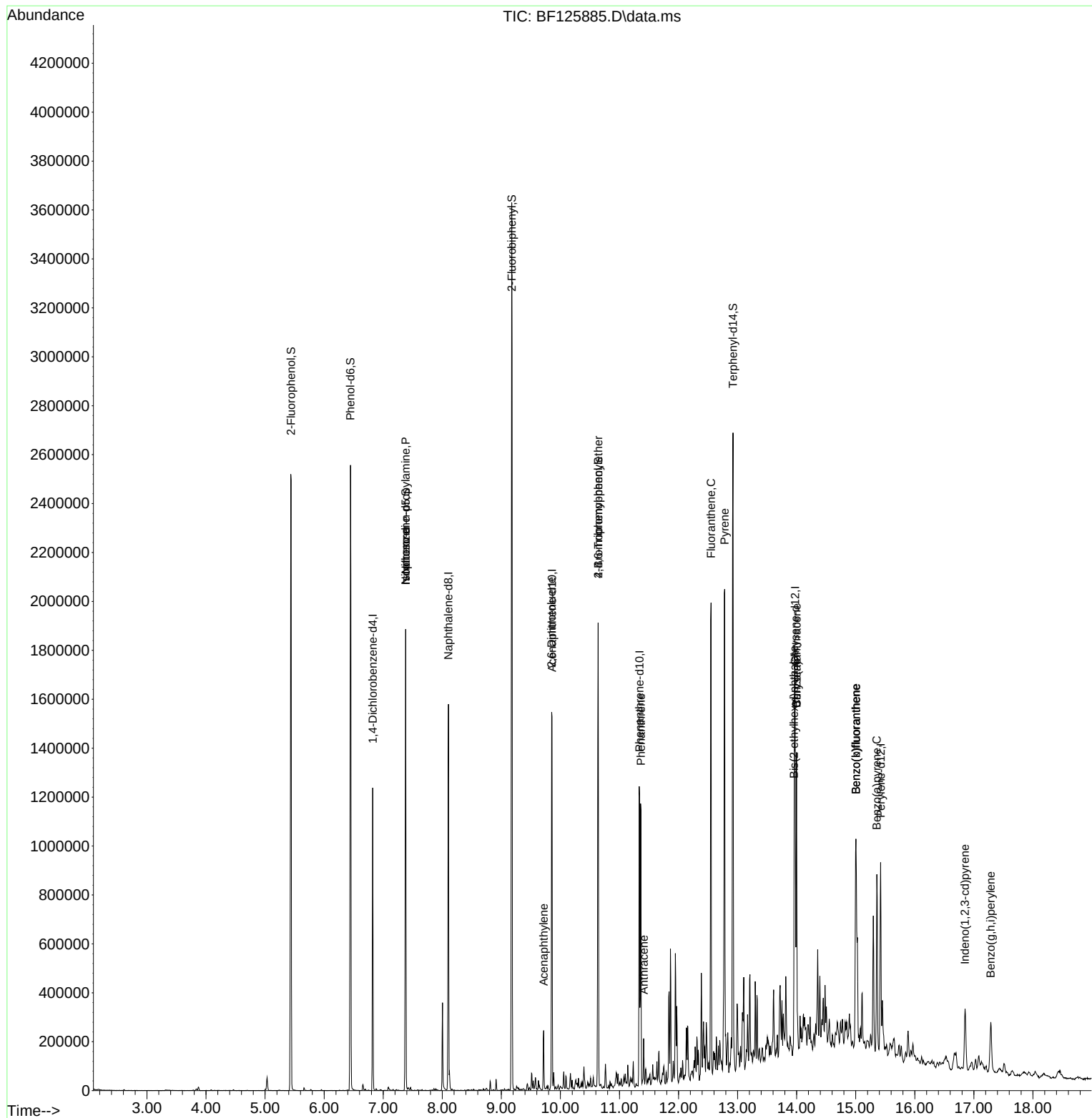
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	173003	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	695691	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	345609	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	471306	20.000	ng	0.00
76) Chrysene-d12	13.974	240	370761	20.000	ng	0.00
86) Perylene-d12	15.421	264	314445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	831290	78.497	ng	0.00
7) Phenol-d6	6.445	99	1011161	74.170	ng	-0.01
23) Nitrobenzene-d5	7.381	82	584240	52.202	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	225217	66.003	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1162388	58.011	ng	0.00
79) Terphenyl-d14	12.922	244	856264	35.179	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	72436	10.065	ng	# 49
25) Isophorone	7.381	82	581696	29.337	ng	# 59
49) Acenaphthylene	9.716	152	102963	3.408	ng	98
51) 2,6-Dinitrotoluene	9.851	165	44600	9.698	ng	# 27
67) 4-Bromophenyl-phenylether	10.639	248	12951	2.481	ng	# 1
71) Phenanthrene	11.363	178	445904	17.683	ng	98
72) Anthracene	11.410	178	68540	2.721	ng	97
75) Fluoranthene	12.551	202	773911	34.012	ng	98
78) Pyrene	12.780	202	836411	22.206	ng	97
81) Benzo(a)anthracene	13.998	228	459511	19.103	ng	96
83) Chrysene	13.998	228	459511	19.327	ng	98
84) Bis(2-ethylhexyl)phtha...	13.957	149	27679	2.107	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	157805	6.575	ng	94
88) Benzo(b)fluoranthene	15.004	252	651363	36.691	ng	98
89) Benzo(k)fluoranthene	15.004	252	651363	35.737	ng	# 97
90) Benzo(a)pyrene	15.357	252	330235	21.006	ng	98
92) Benzo(g,h,i)perylene	17.286	276	154275	7.631	ng	94

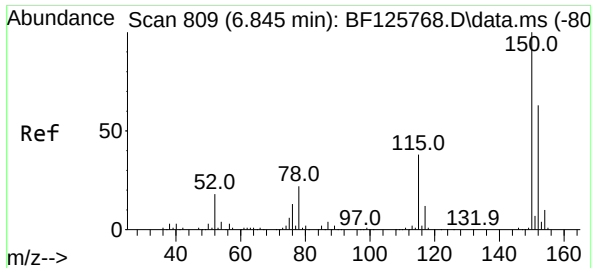
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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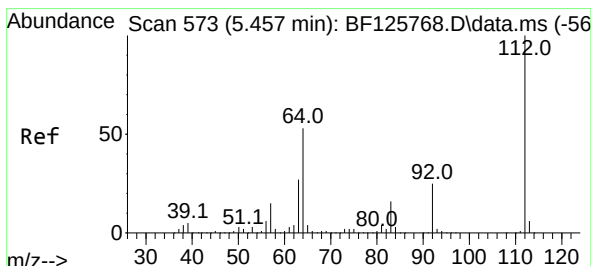
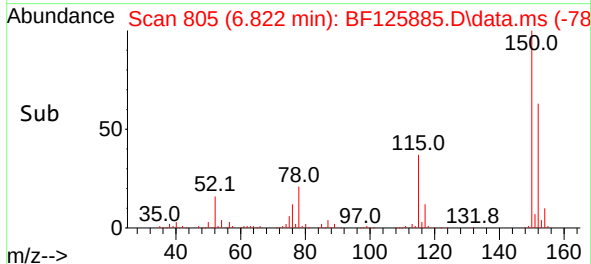
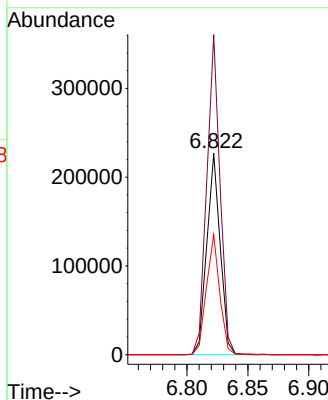
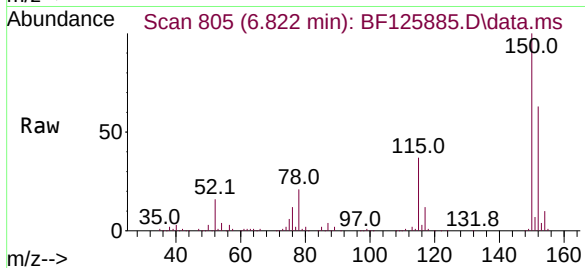




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

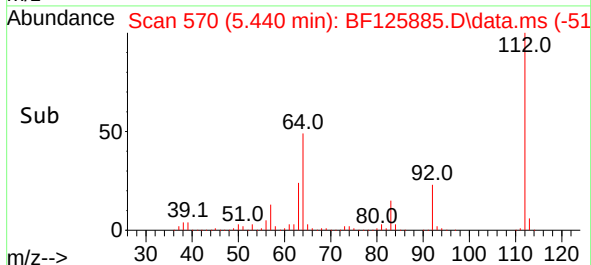
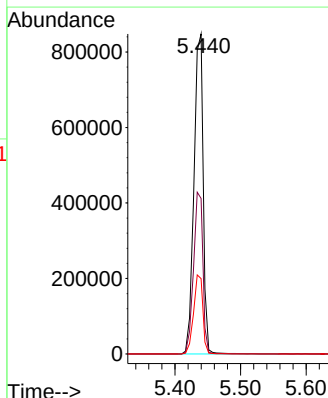
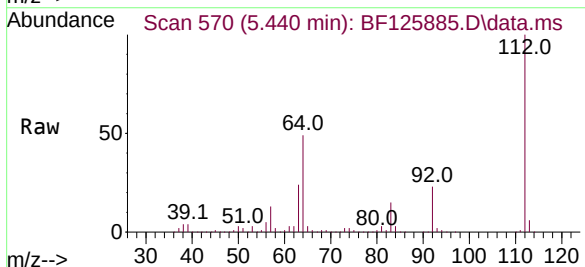
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

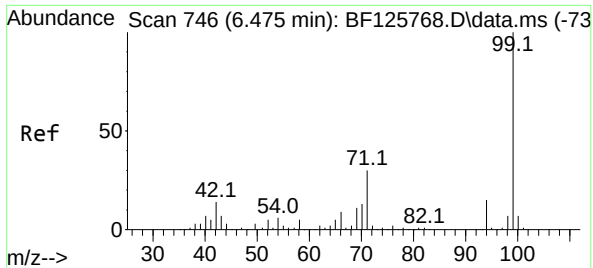
Tgt Ion:152 Resp: 173003
Ion Ratio Lower Upper
152 100
150 158.8 117.6 176.4
115 59.5 47.1 70.7



#5
2-Fluorophenol
Concen: 78.497 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:112 Resp: 831290
Ion Ratio Lower Upper
112 100
64 48.6 44.2 66.2
63 23.6 26.2 39.2#

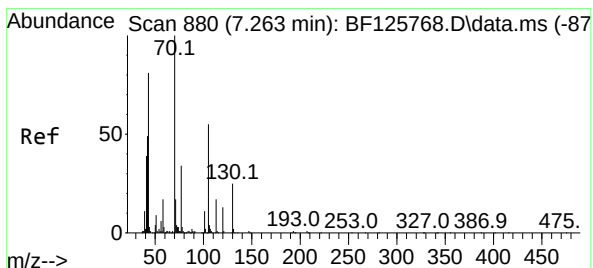
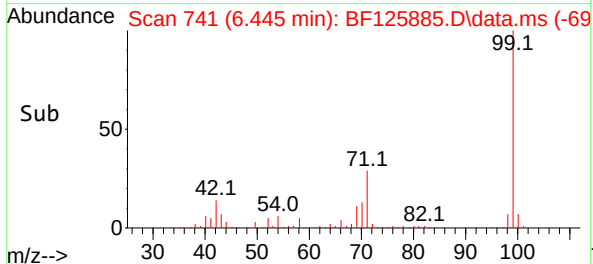
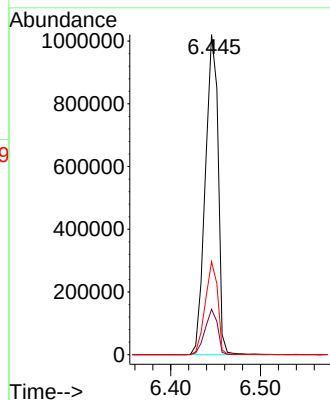
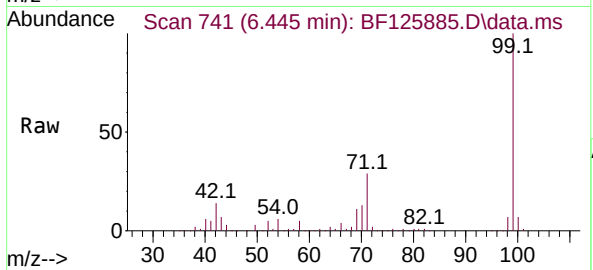




#7
Phenol-d6
Concen: 74.170 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

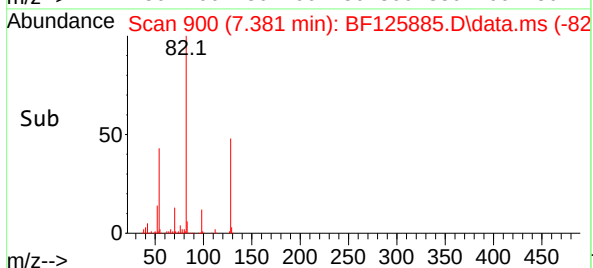
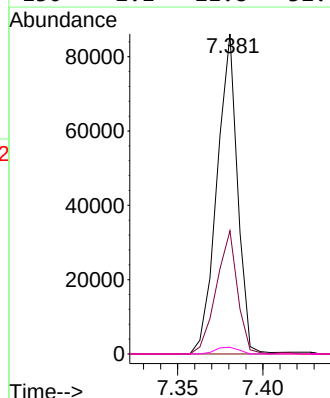
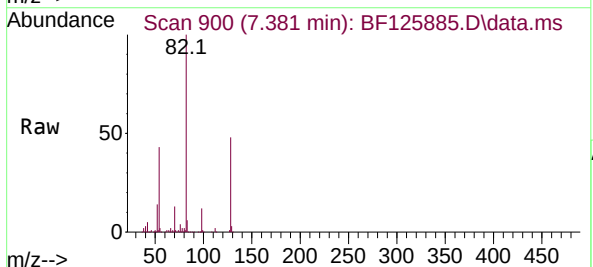
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

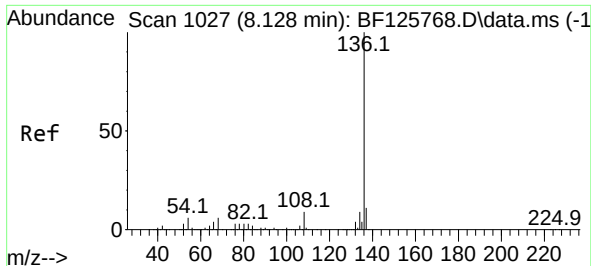
Tgt Ion: 99 Resp: 1011161
Ion Ratio Lower Upper
99 100
42 14.2 23.5 35.3#
71 29.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.065 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion: 70 Resp: 72436
Ion Ratio Lower Upper
70 100
42 38.5 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#

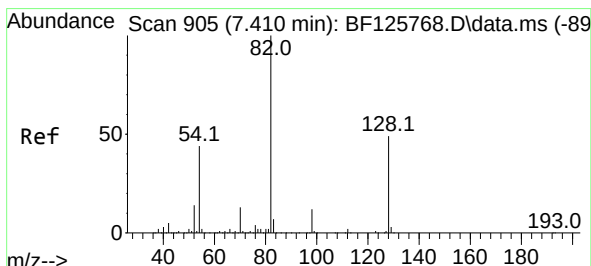
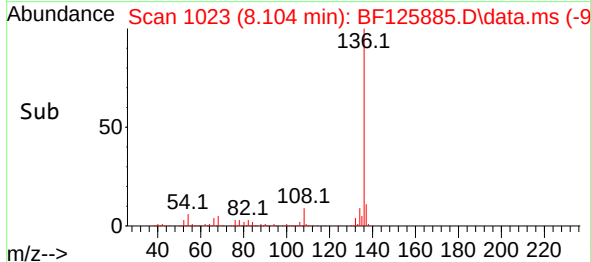
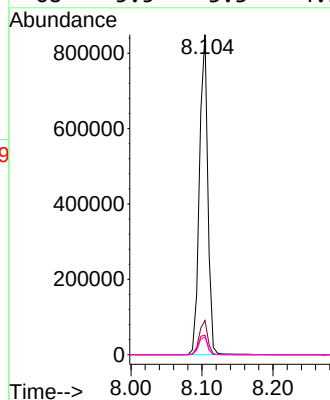
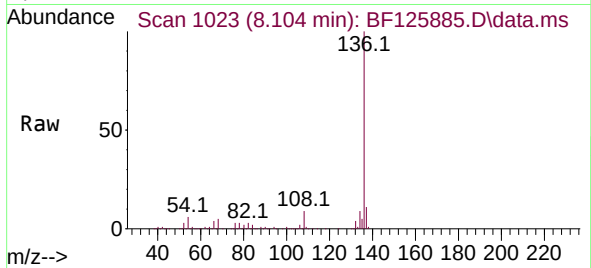




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

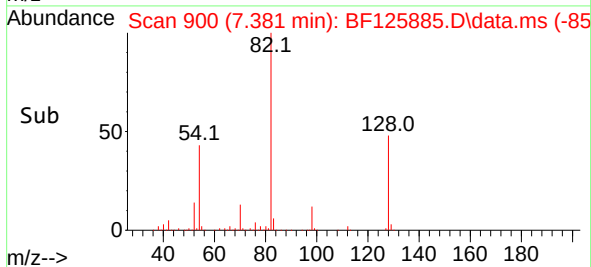
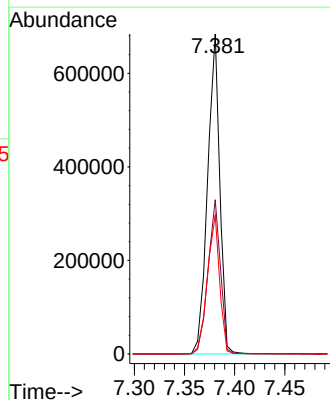
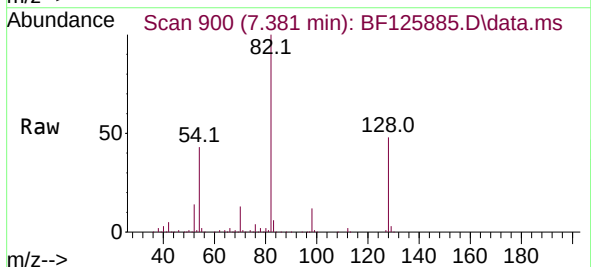
Instrument :
BNA_F
ClientSampleId :
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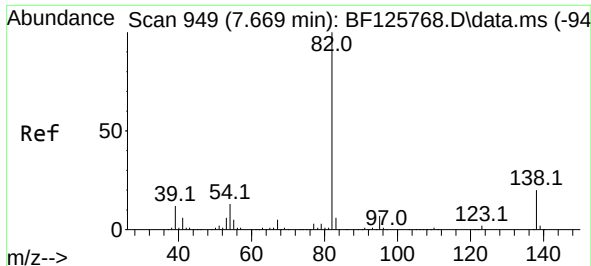
Tgt Ion:	136	Resp:	695691
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.8	14.6
54	6.1	6.4	9.6#
68	5.5	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 52.202 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:	82	Resp:	584240
Ion Ratio	Lower	Upper	
82	100		
128	48.2	40.6	60.8
54	43.3	49.6	74.4#

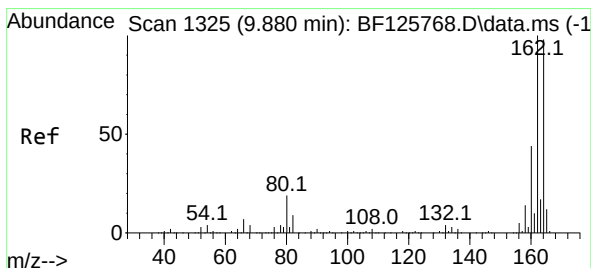
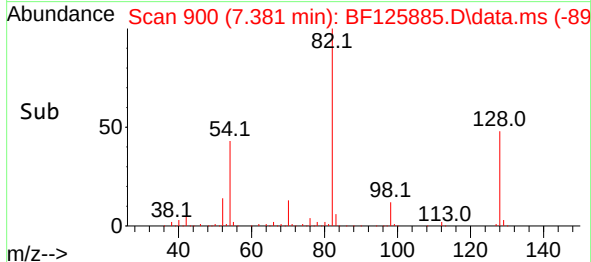
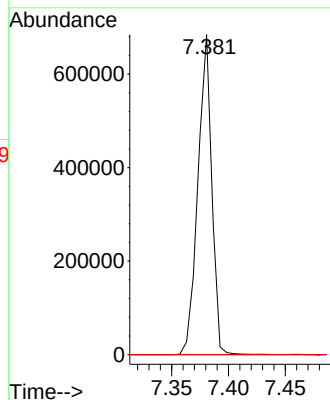
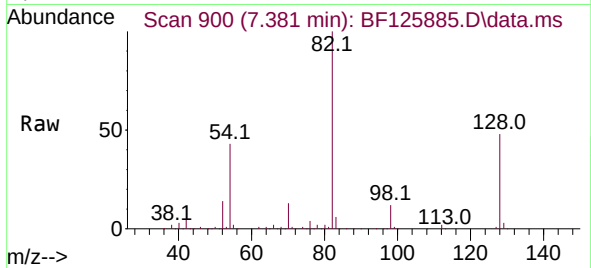




#25
Isophorone
Concen: 29.337 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.270 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

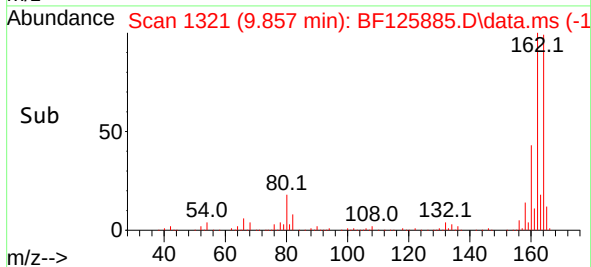
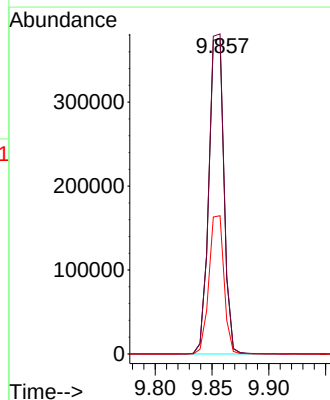
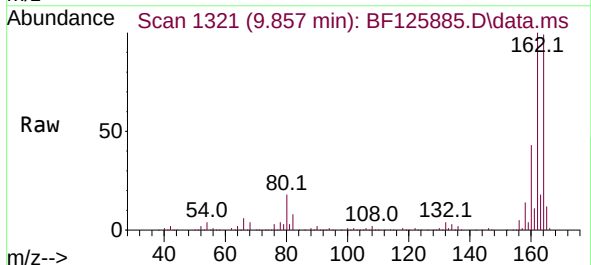
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

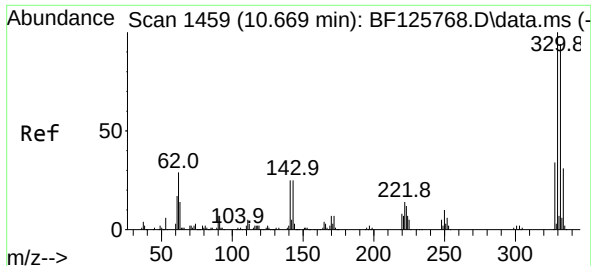
Tgt Ion: 82 Resp: 581696
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion: 164 Resp: 345609
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 43.8 38.0 57.0

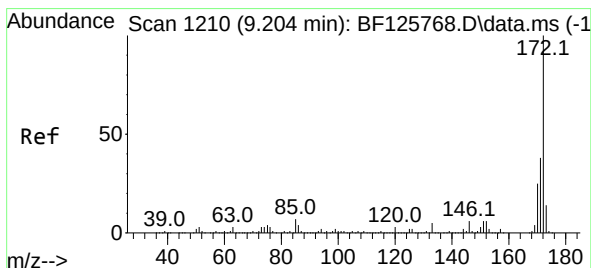
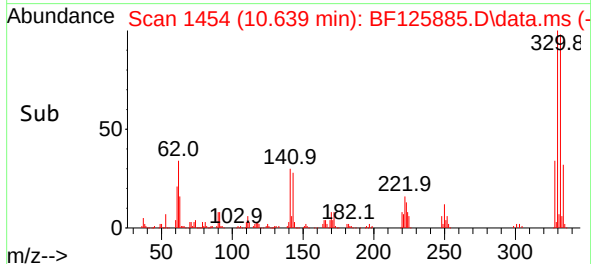
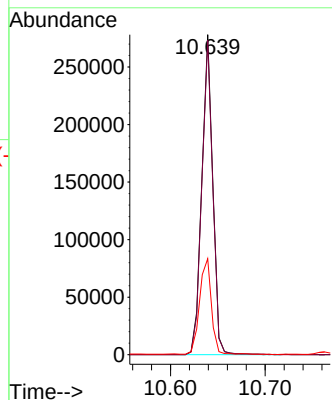
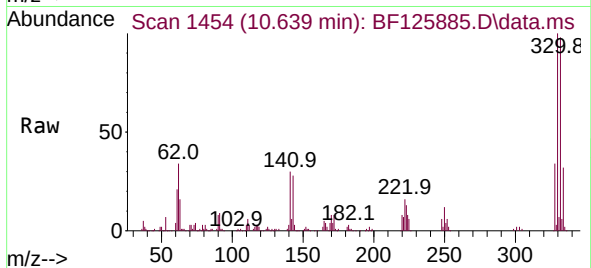




#42
2,4,6-Tribromophenol
Concen: 66.003 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

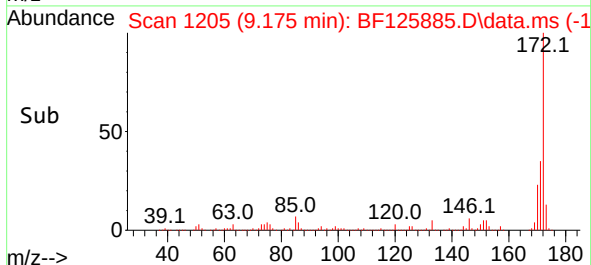
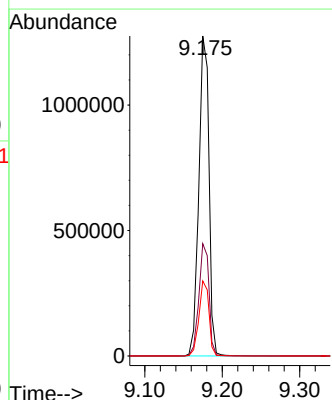
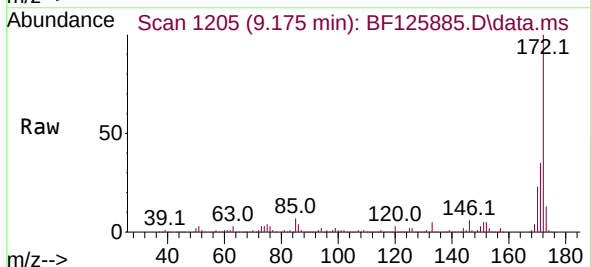
Instrument :
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ClientSampleId :
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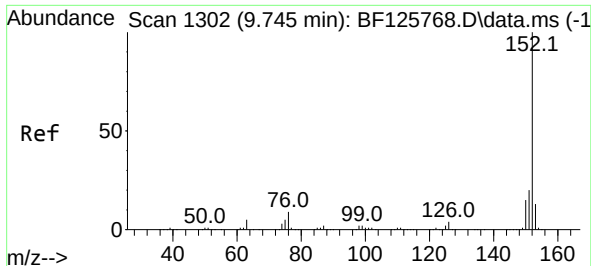
Tgt Ion: 330 Resp: 225217
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 31.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 58.011 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion: 172 Resp: 1162388
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.5 18.8 28.2





#49

Acenaphthylene

Concen: 3.408 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF125885.D

Acq: 18 Oct 2021 19:23

Instrument :

BNA_F

ClientSampleId :

MH-CA-(1)

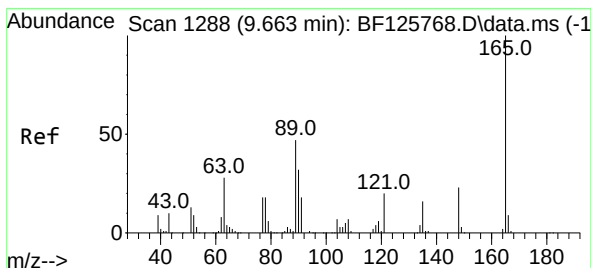
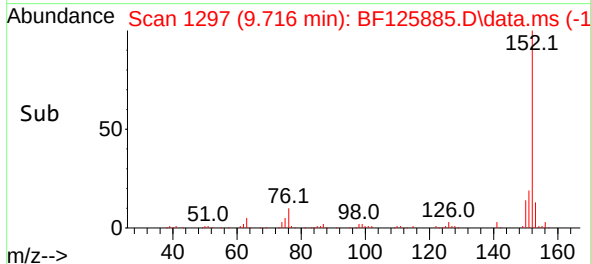
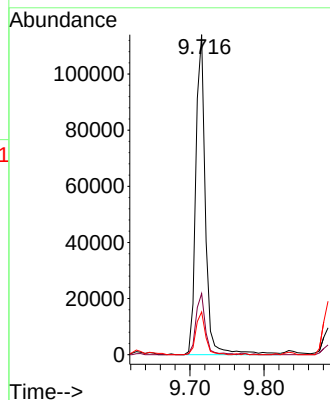
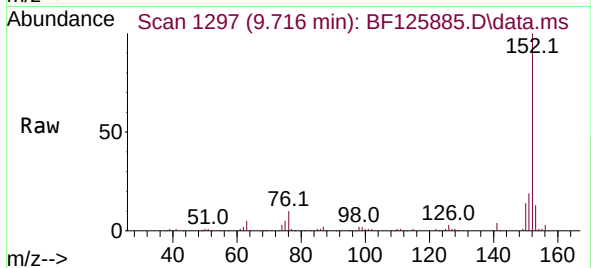
Tgt Ion:152 Resp: 102963

Ion Ratio Lower Upper

152 100

151 19.1 15.7 23.5

153 13.4 9.8 14.8



#51

2,6-Dinitrotoluene

Concen: 9.698 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF125885.D

Acq: 18 Oct 2021 19:23

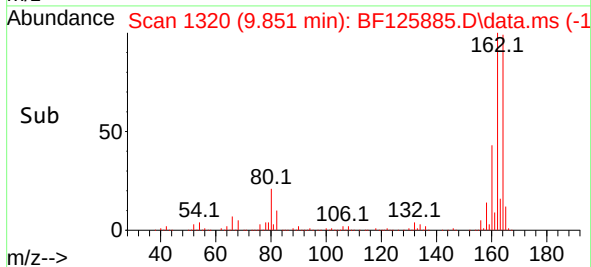
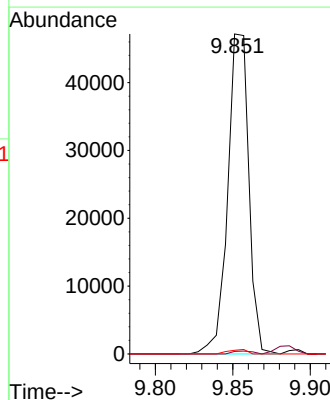
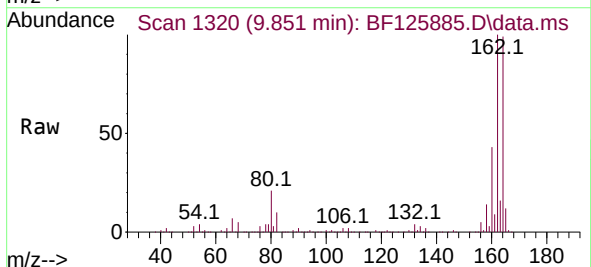
Tgt Ion:165 Resp: 44600

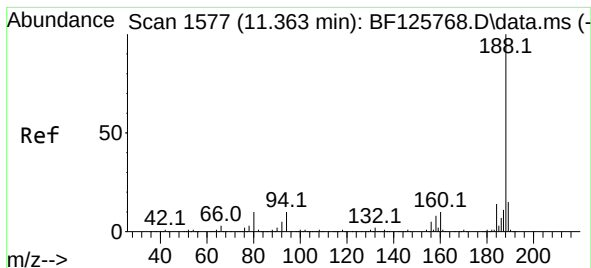
Ion Ratio Lower Upper

165 100

63 0.8 42.6 63.8#

89 1.1 40.6 60.8#

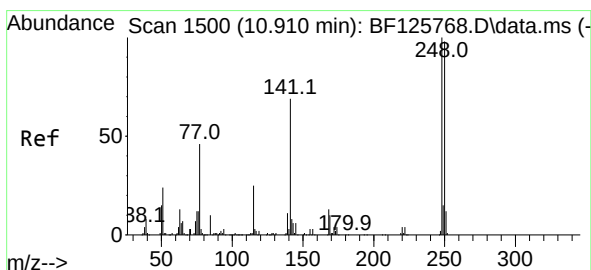
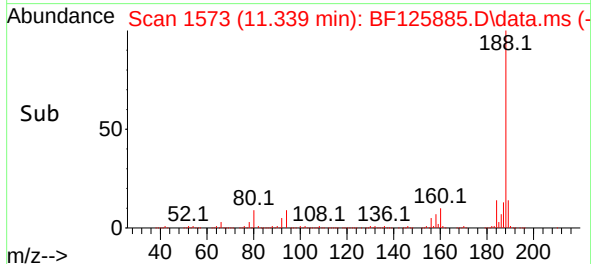
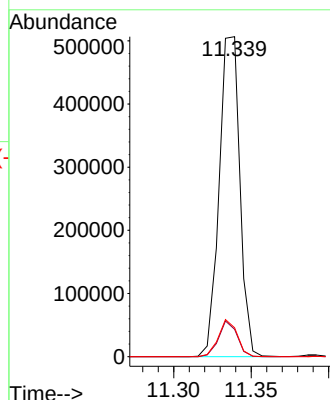
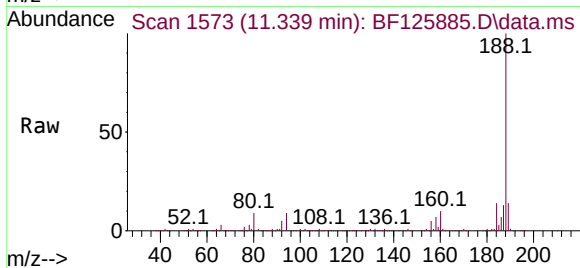




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

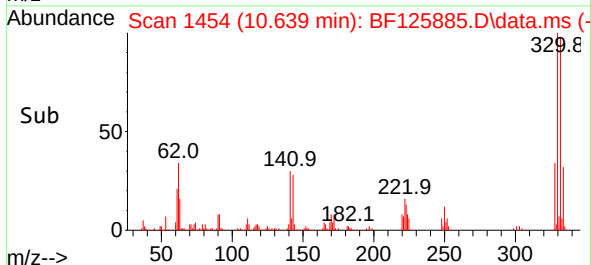
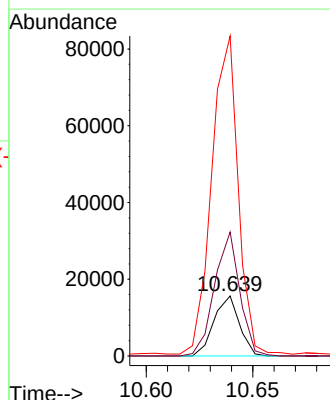
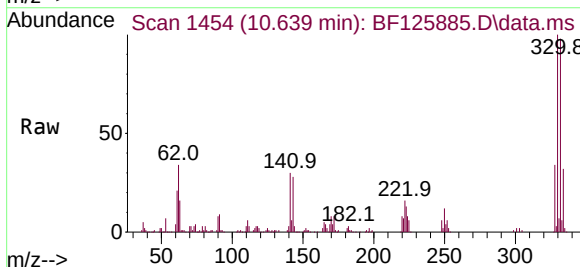
Instrument :
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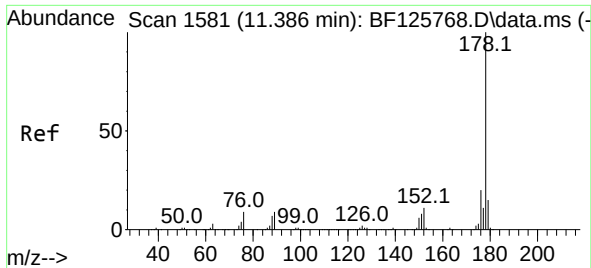
Tgt Ion:188 Resp: 471306
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.1 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.481 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:248 Resp: 12951
Ion Ratio Lower Upper
248 100
250 207.0 74.2 111.4#
141 533.9 60.4 90.6#

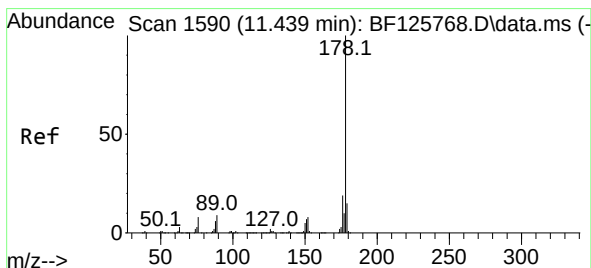
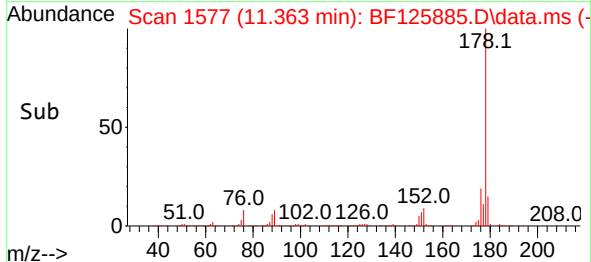
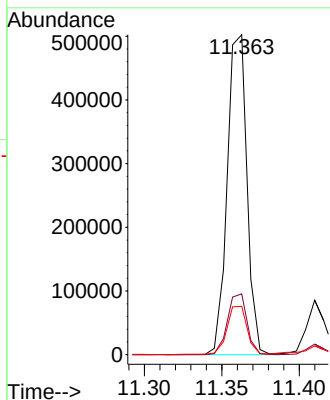
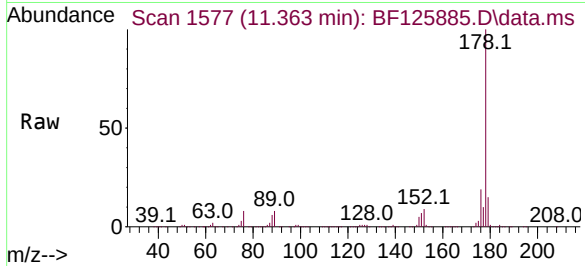




#71
Phenanthrene
Concen: 17.683 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

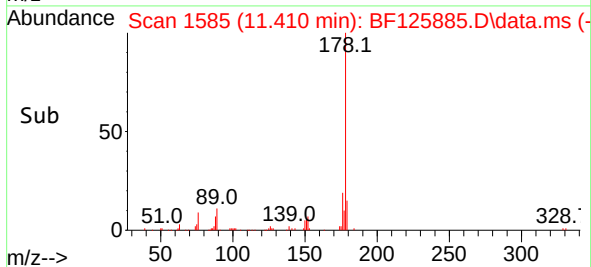
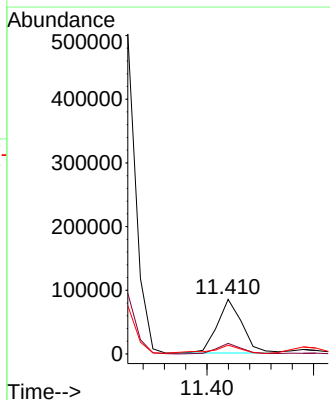
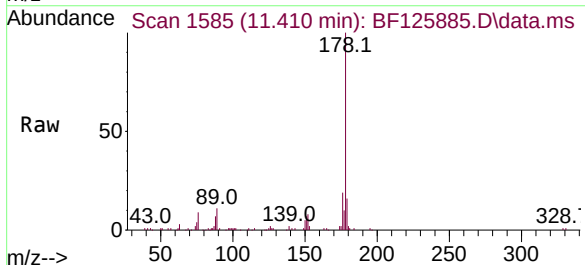
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

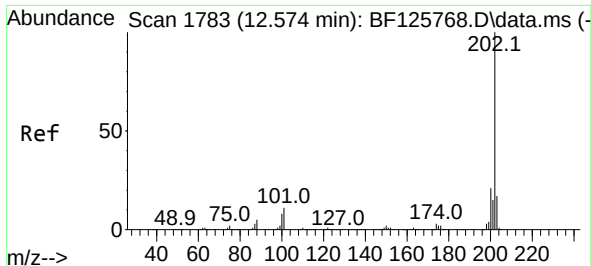
Tgt Ion:178 Resp: 445904
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 2.721 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:178 Resp: 68540
Ion Ratio Lower Upper
178 100
176 19.2 14.3 21.5
179 16.1 12.2 18.4

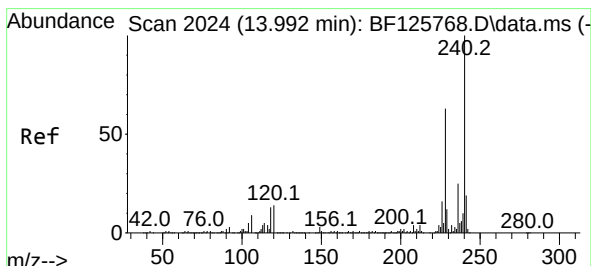
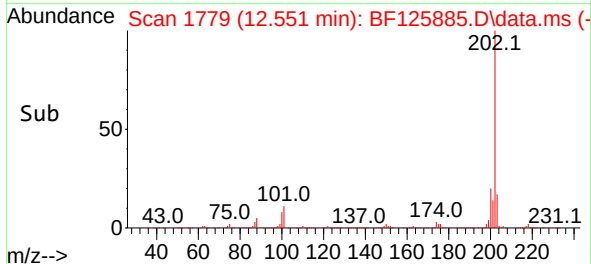
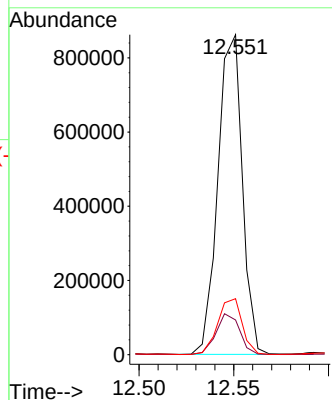
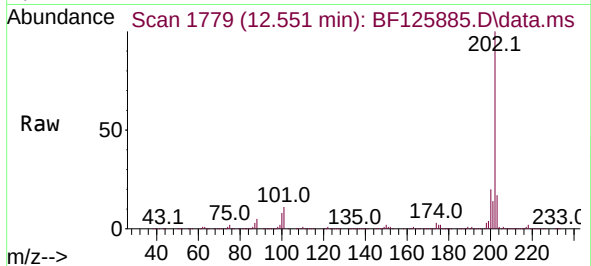




#75
Fluoranthene
Concen: 34.012 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

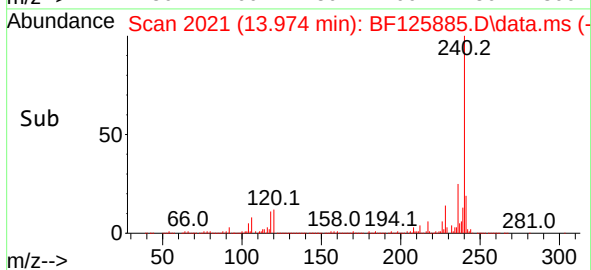
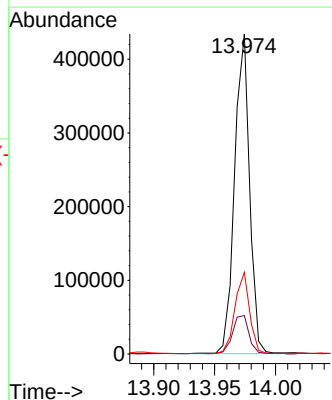
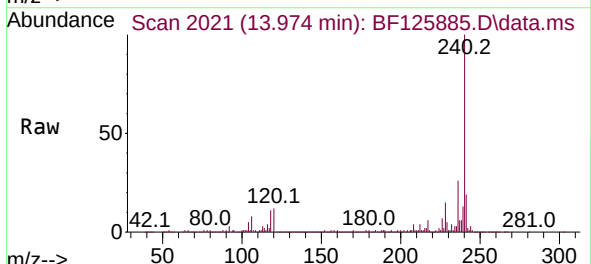
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

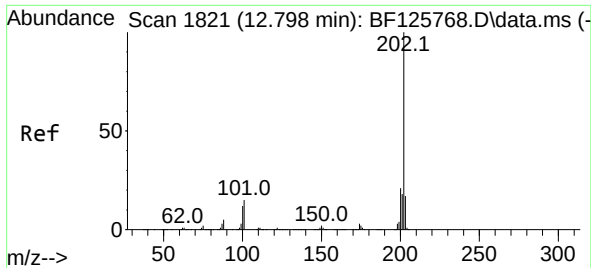
Tgt Ion:202 Resp: 773911
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:240 Resp: 370761
Ion Ratio Lower Upper
240 100
120 12.0 10.8 16.2
236 25.6 21.6 32.4

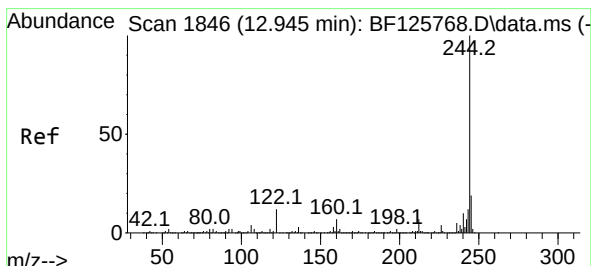
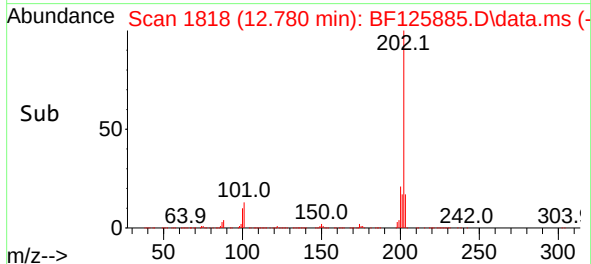
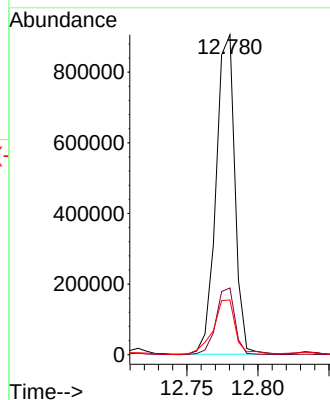
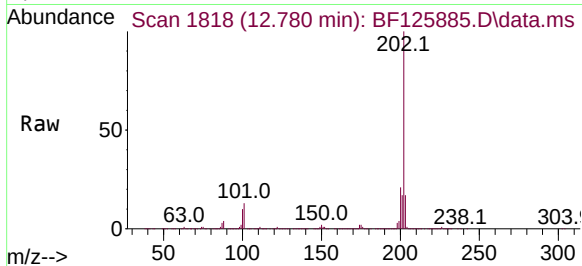




#78
Pyrene
Concen: 22.206 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

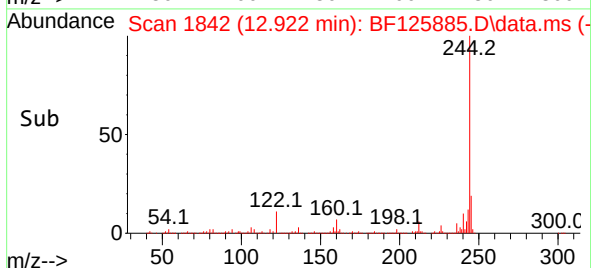
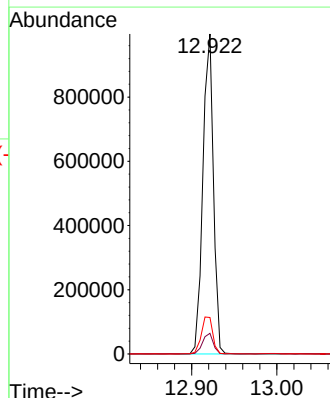
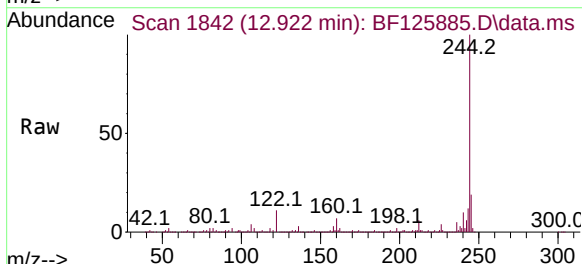
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

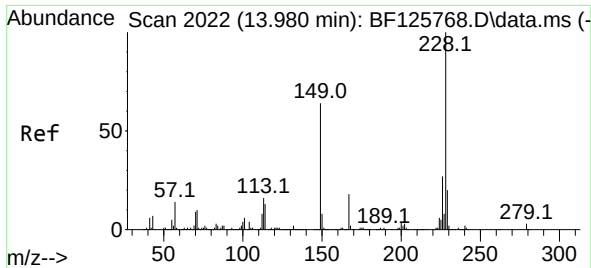
Tgt Ion:	202	Resp:	836411
Ion Ratio	Lower	Upper	
202	100		
200	20.9	15.3	22.9
203	17.1	13.4	20.0



#79
Terphenyl-d14
Concen: 35.179 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:	244	Resp:	856264
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.9	8.9
122	11.4	9.0	13.4

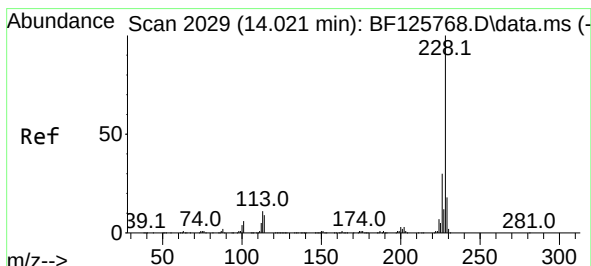
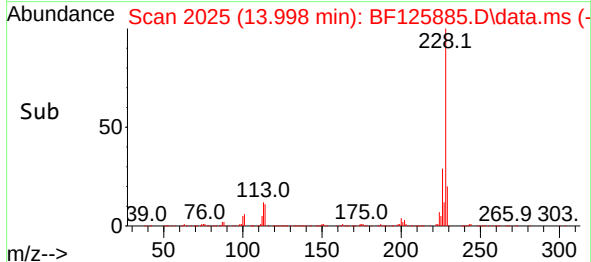
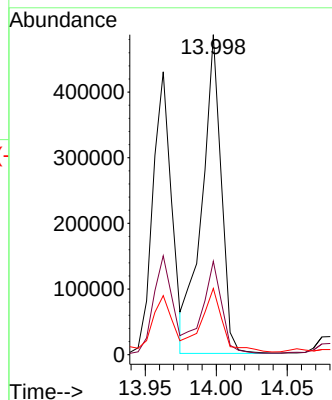
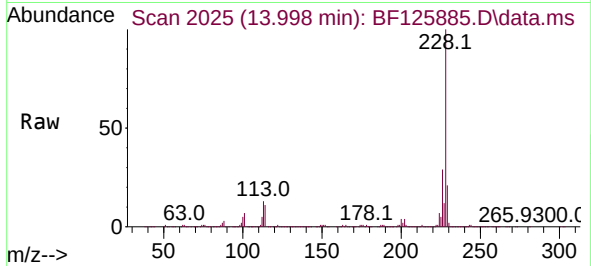




#81
Benzo(a)anthracene
Concen: 19.103 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

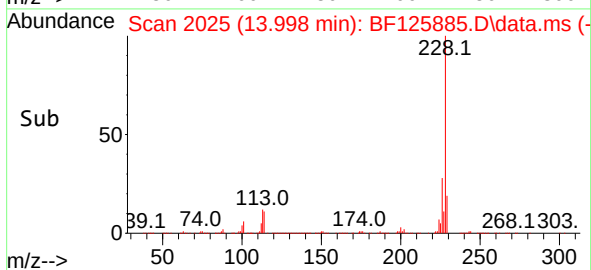
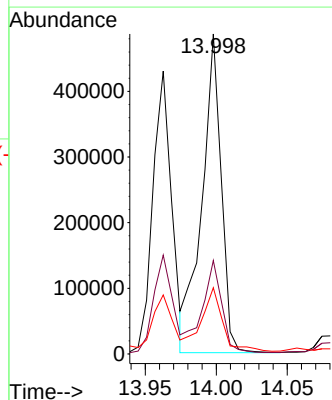
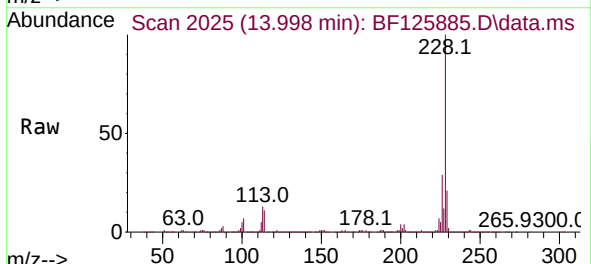
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

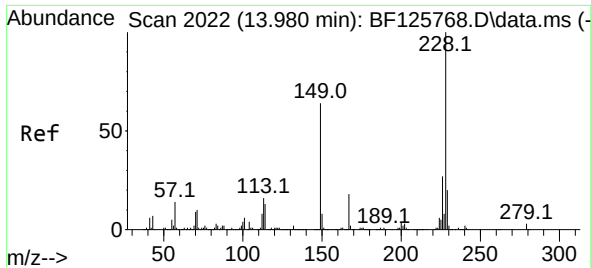
Tgt Ion:228 Resp: 459511
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 20.7 15.6 23.4



#83
Chrysene
Concen: 19.327 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:228 Resp: 459511
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 20.7 15.9 23.9

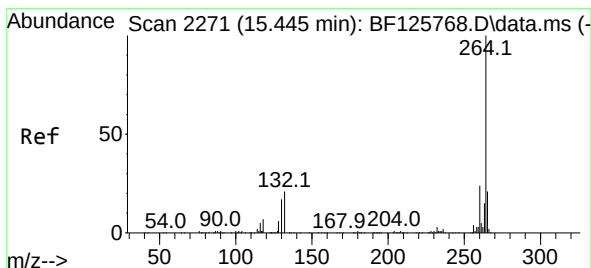
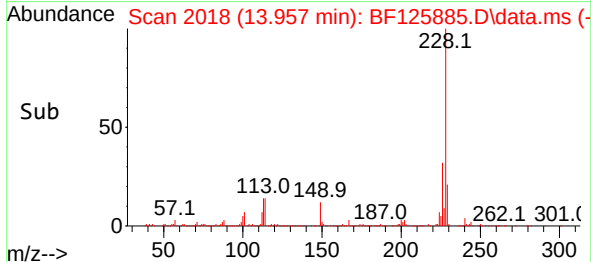
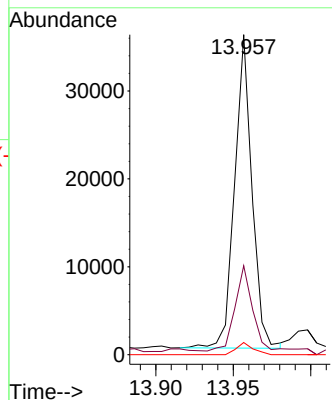
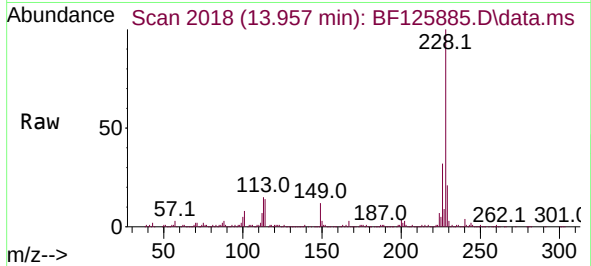




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.107 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

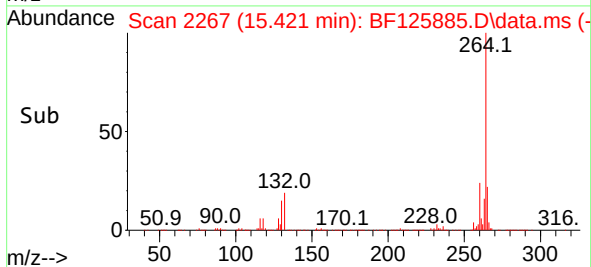
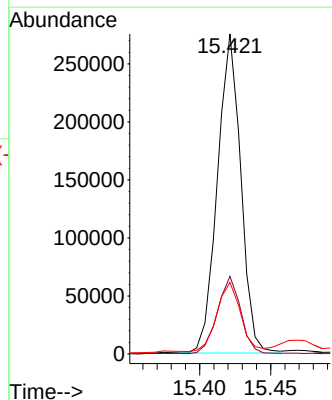
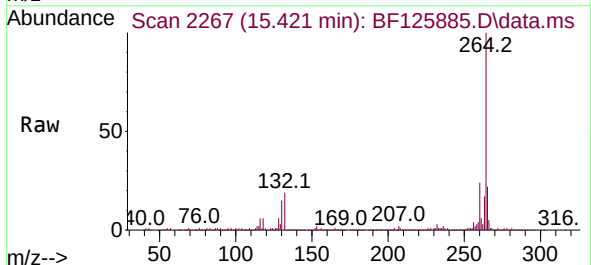
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

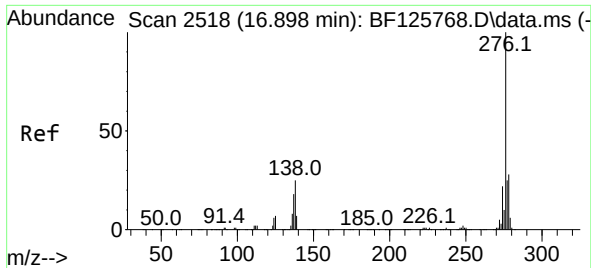
Tgt Ion:149 Resp: 27679
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.0
279 3.8 2.6 4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:264 Resp: 314445
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.4 17.2 25.8

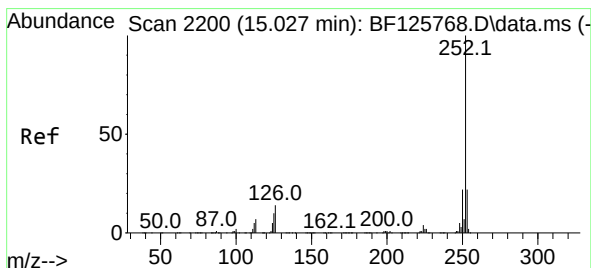
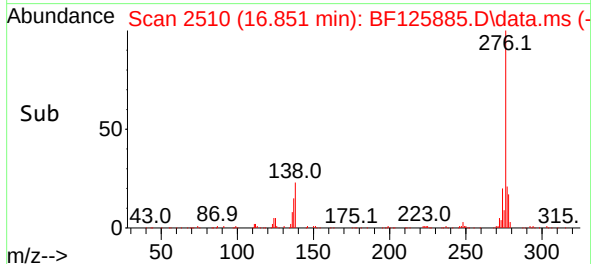
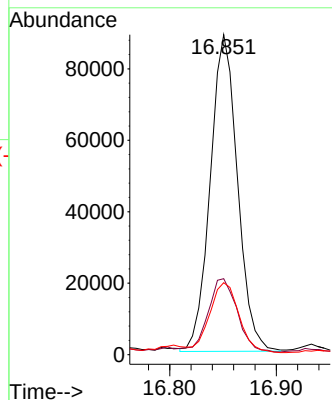
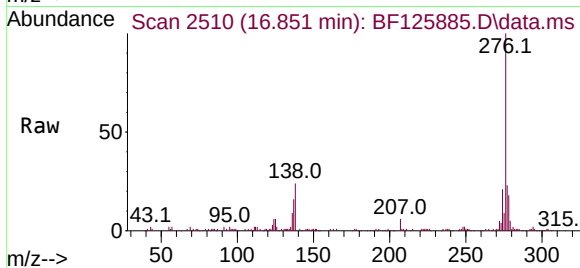




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.575 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

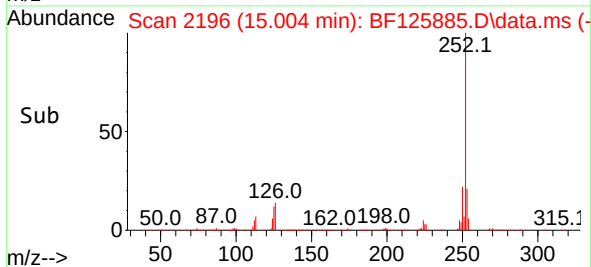
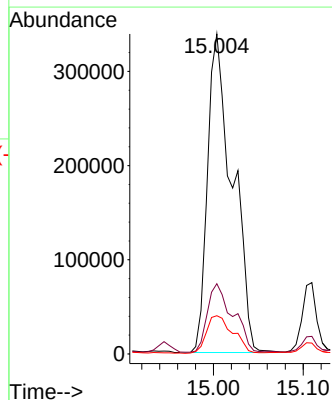
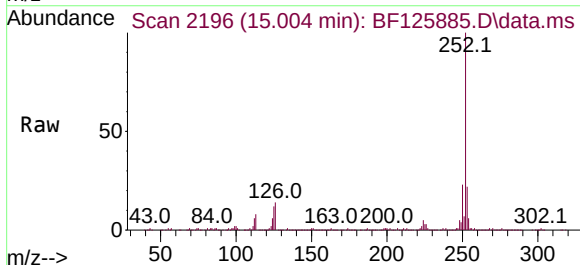
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

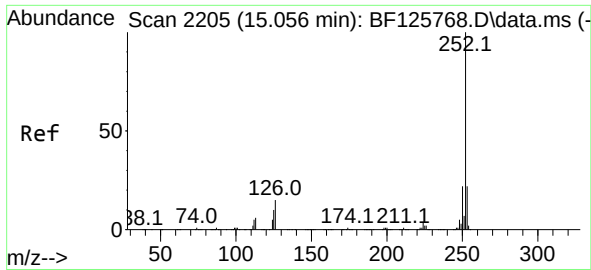
Tgt Ion:276 Resp: 157805
Ion Ratio Lower Upper
276 100
138 24.7 24.1 36.1
277 23.8 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 36.691 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:252 Resp: 651363
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 12.0 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 35.737 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.023 min

Lab File: BF125885.D

Acq: 18 Oct 2021 19:23

Tgt Ion:252 Resp: 651363

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

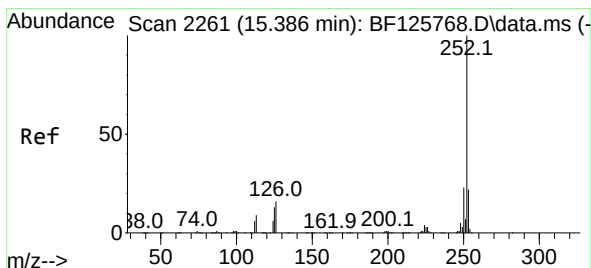
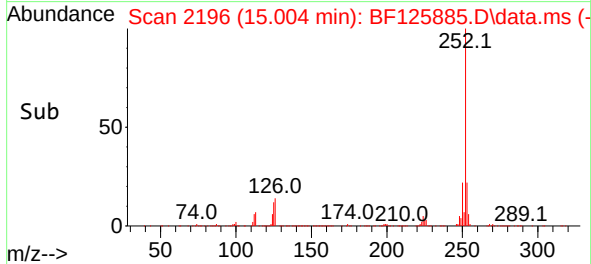
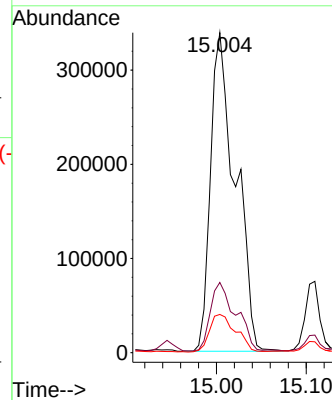
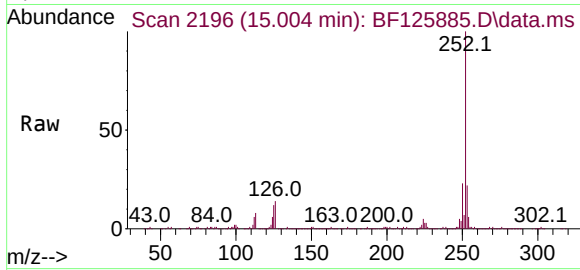
125 12.0 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

MH-CA-(1)



#90

Benzo(a)pyrene

Concen: 21.006 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.006 min

Lab File: BF125885.D

Acq: 18 Oct 2021 19:23

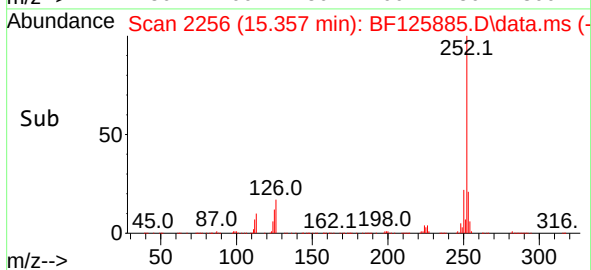
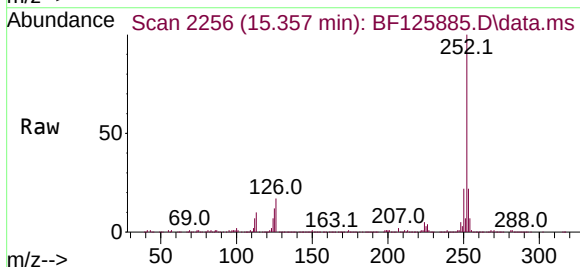
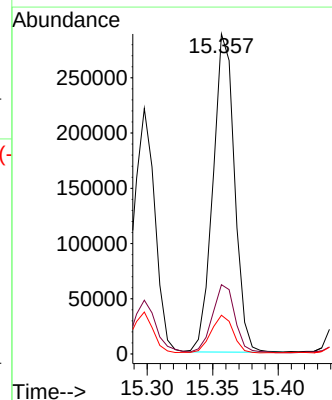
Tgt Ion:252 Resp: 330235

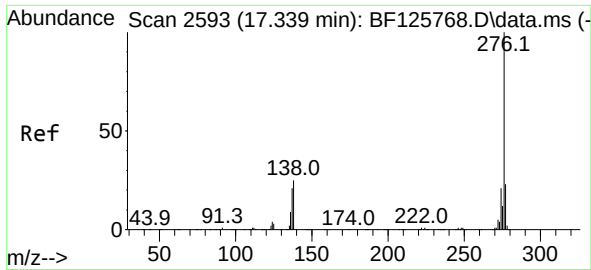
Ion Ratio Lower Upper

252 100

253 21.7 18.4 27.6

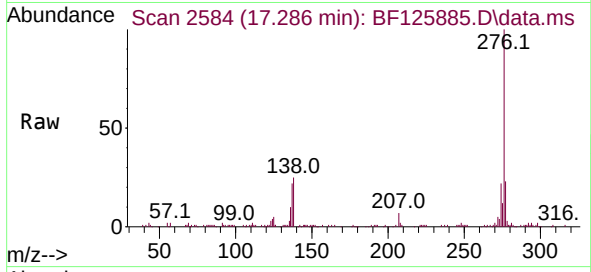
125 12.1 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 7.631 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)



Tgt Ion: 276 Resp: 154275
Ion Ratio Lower Upper
276 100
277 23.5 22.0 33.0
138 25.2 22.2 33.4

