

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)

Manual Integrations
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 10/19/2021 12:09:47 PM

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	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	695691	20.00	ng	# 0.00
39) Acenaphthene-d10	9.857	164	345609	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	471306	20.00	ng	0.00
76) Chrysene-d12	13.974	240	370761	20.00	ng	0.00
86) Perylene-d12	15.421	264	314445	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	831290	78.50	ng	0.00
7) Phenol-d6	6.445	99	1011161	74.17	ng	-0.01
23) Nitrobenzene-d5	7.381	82	584240	52.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	225217	66.00	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1162388	58.01	ng	0.00
79) Terphenyl-d14	12.922	244	856264	35.18	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.716	152	102963	3.41	ng	98
71) Phenanthrene	11.363	178	445904	17.68	ng	98
72) Anthracene	11.410	178	68540	2.72	ng	97
75) Fluoranthene	12.551	202	773911	34.01	ng	98
78) Pyrene	12.780	202	836411	22.21	ng	97
81) Benzo(a)anthracene	13.963	228	395592m	16.45	ng	
83) Chrysene	13.998	228	459511	19.33	ng	98
84) Bis(2-ethylhexyl)phtha...	13.957	149	27679	2.11	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	157805	6.58	ng	94
88) Benzo(b)fluoranthene	15.004	252	522771m	29.45	ng	
89) Benzo(k)fluoranthene	15.027	252	128548m	7.05	ng	
90) Benzo(a)pyrene	15.357	252	330235	21.01	ng	98
92) Benzo(g,h,i)perylene	17.286	276	154275	7.63	ng	94

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

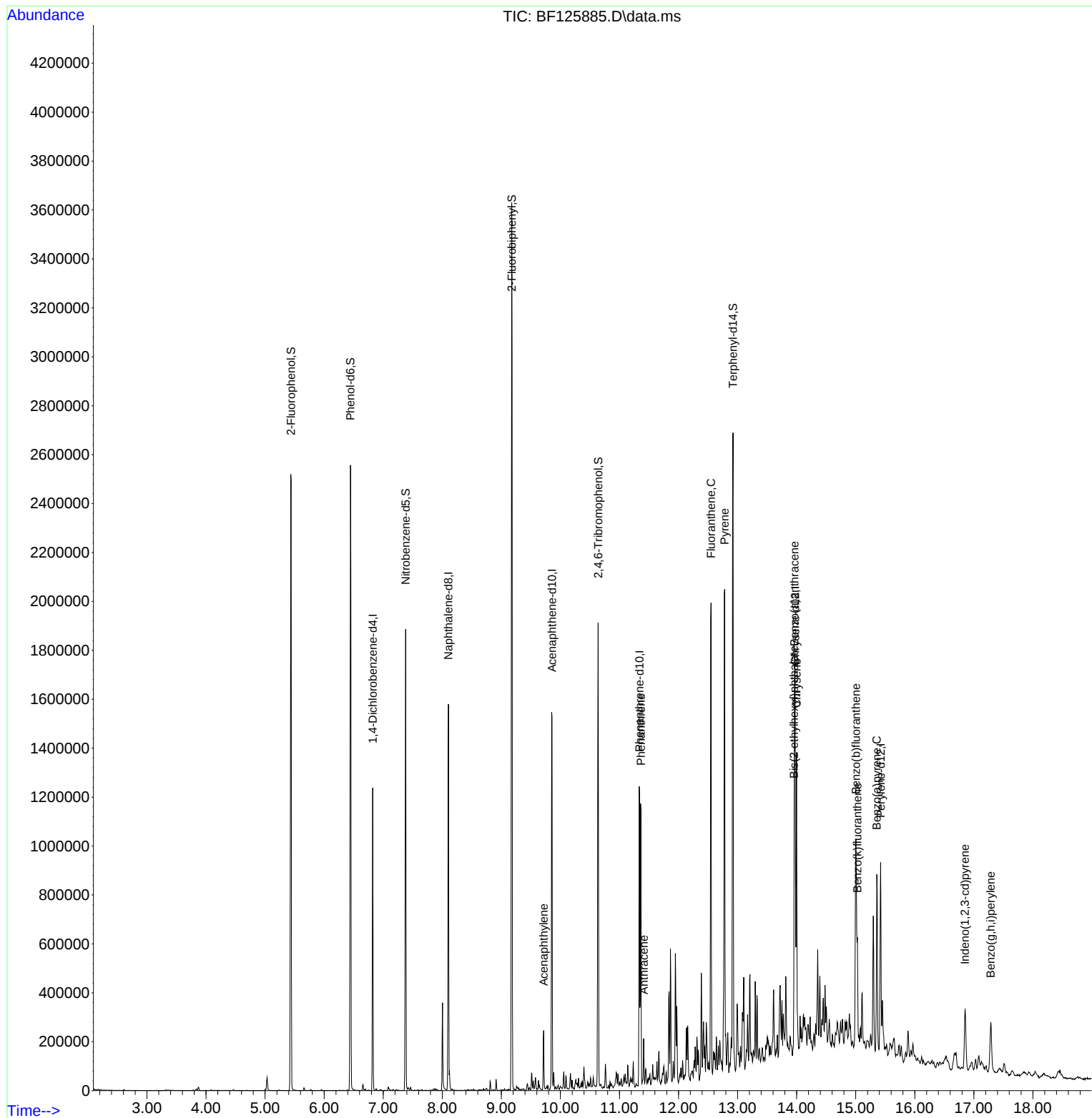
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125885.D
Acq On : 18 Oct 2021 19:23
Operator : JU/CG
Sample : M4252-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

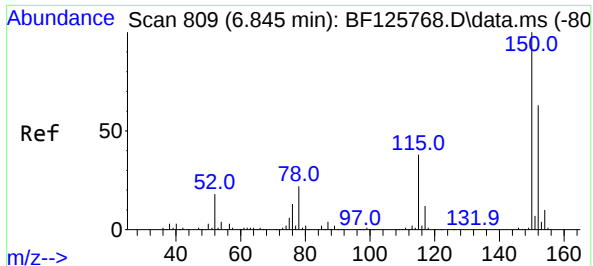
Instrument :
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ClientSampleId :
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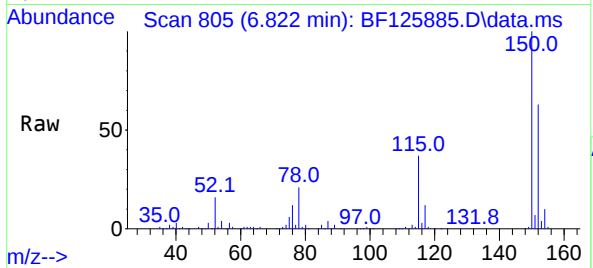
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Quant Time: Oct 19 09:08:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 12:43:03 2021
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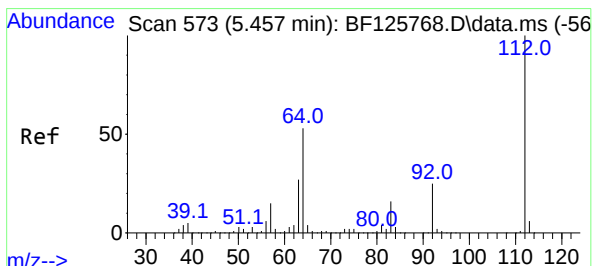
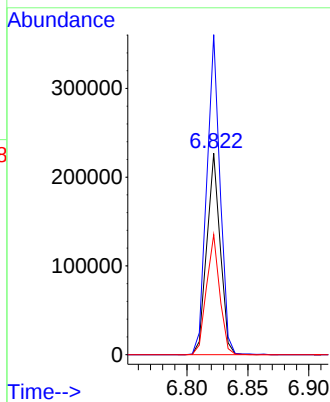
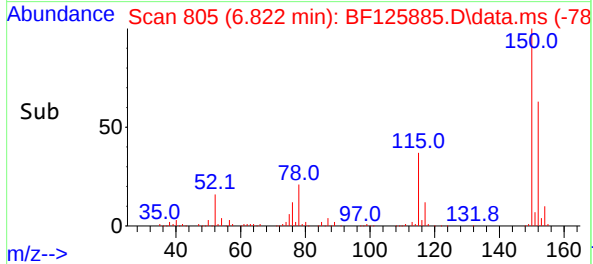




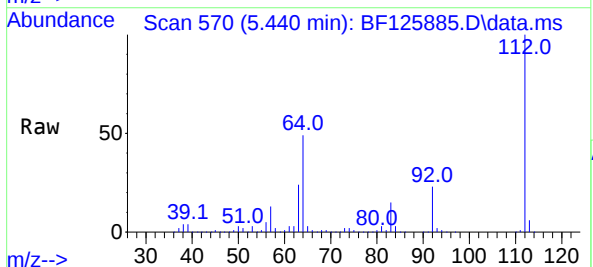
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



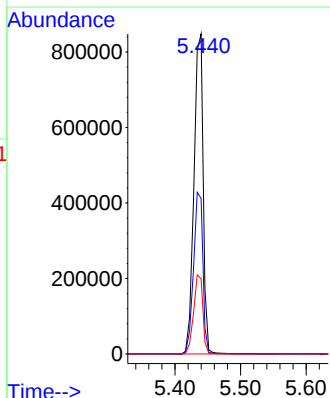
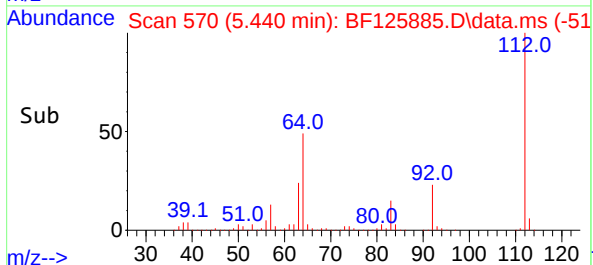
Tgt Ion:152 Resp: 173003
Ion Ratio Lower Upper
152 100
150 158.8 117.6 176.4
115 59.5 47.1 70.7



#5
2-Fluorophenol
Concen: 78.50 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



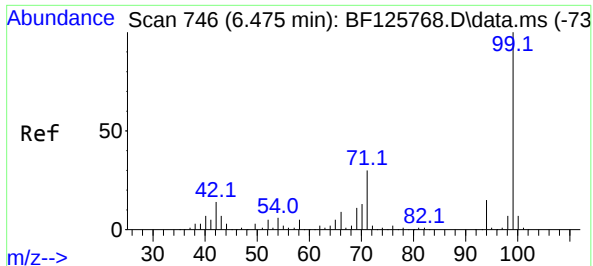
Tgt Ion:112 Resp: 831290
Ion Ratio Lower Upper
112 100
64 48.6 44.2 66.2
63 23.6 26.2 39.2#



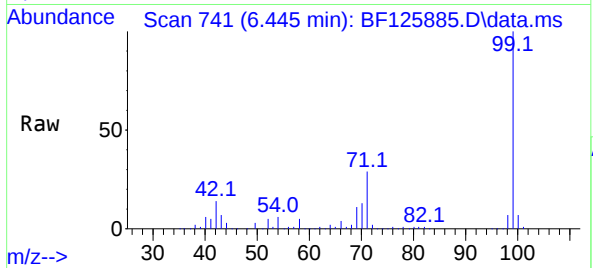
Instrument :
BNA_F
ClientSampleId :
MH-CA-(1)

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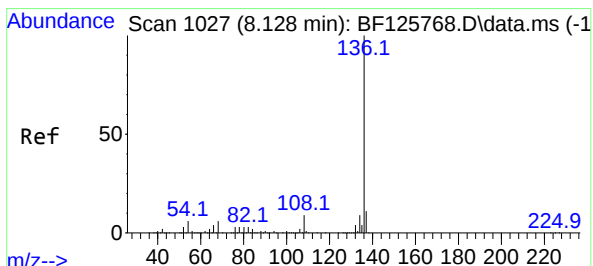
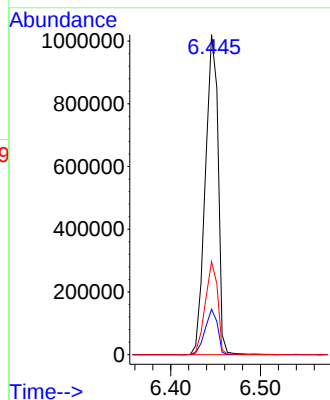
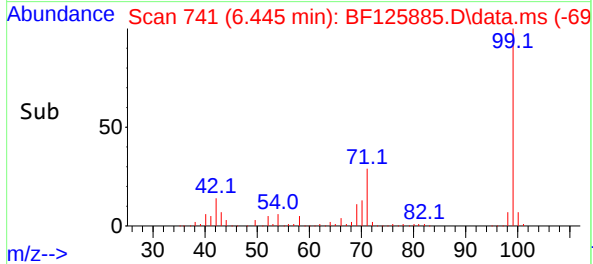
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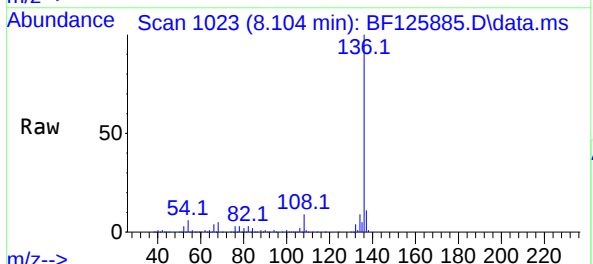
#7
Phenol-d6
Concen: 74.17 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



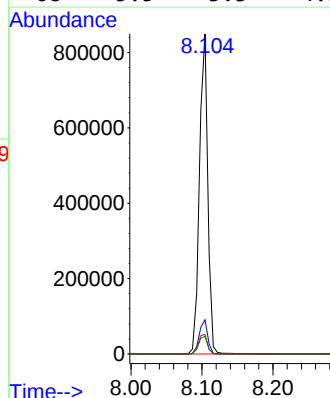
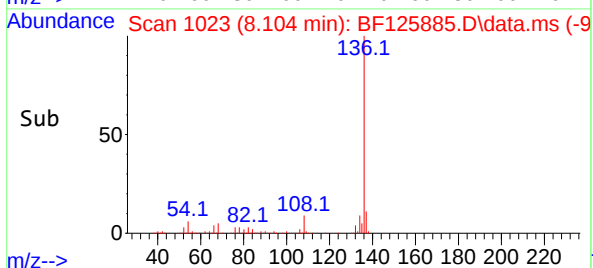
Tgt Ion: 99 Resp: 1011161
Ion Ratio Lower Upper
99 100
42 14.2 23.5 35.3#
71 29.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



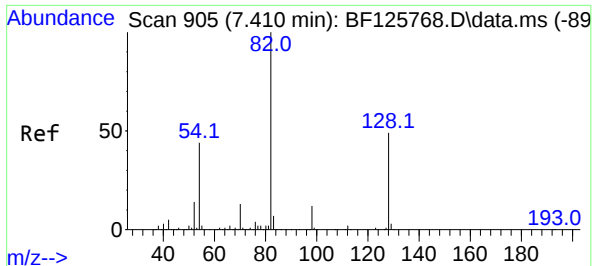
Tgt Ion: 136 Resp: 695691
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 6.1 6.4 9.6#
68 5.5 3.3 4.9#



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

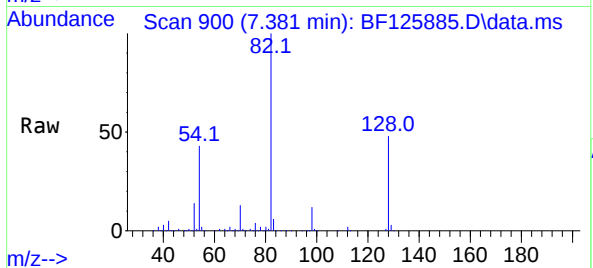
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#23
Nitrobenzene-d5
Concen: 52.20 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

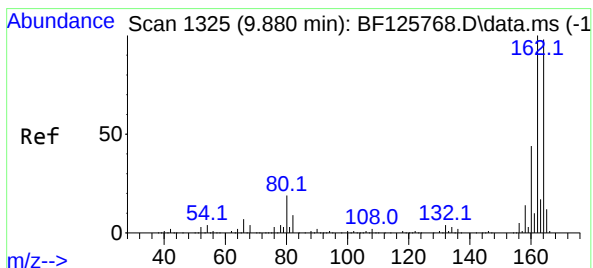
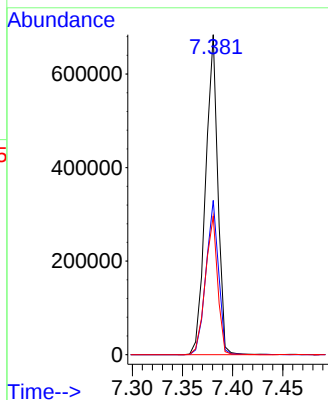
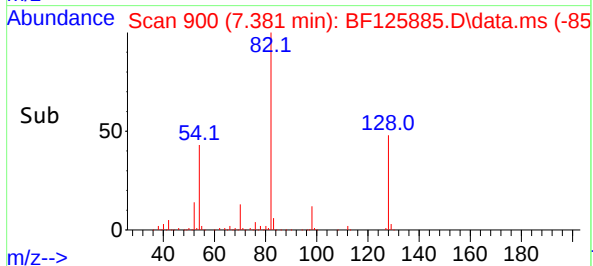
Instrument :
BNA_F
ClientSampled :
MH-CA-(1)



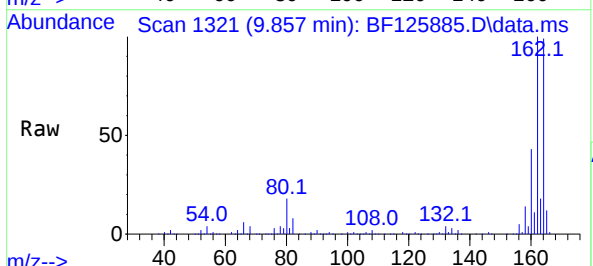
Tgt Ion: 82 Resp: 584240
Ion Ratio Lower Upper
82 100
128 48.2 40.6 60.8
54 43.3 49.6 74.4#

Manual Integrations
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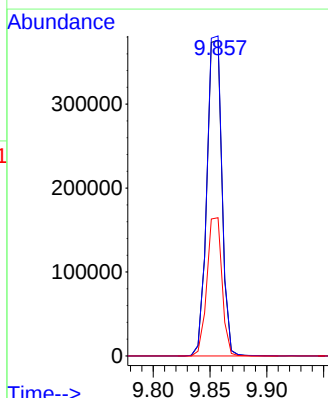
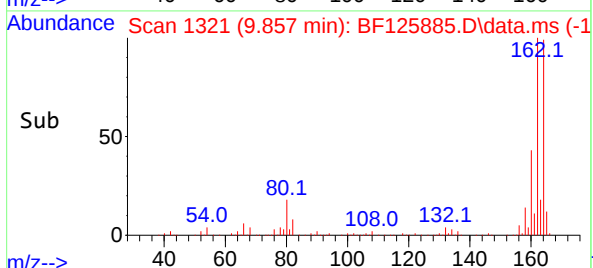
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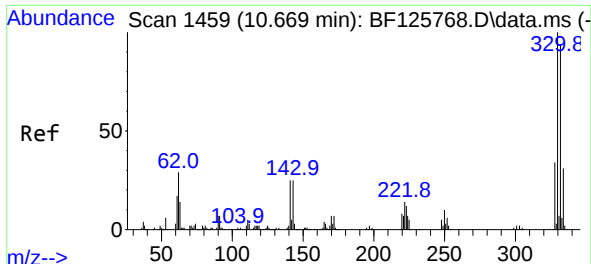


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

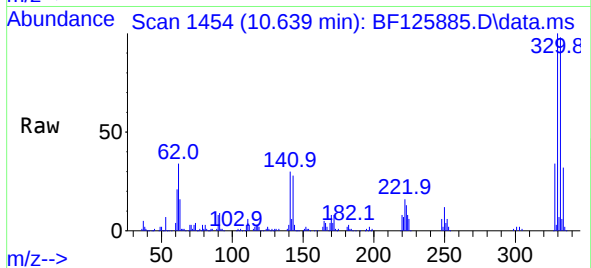


Tgt Ion: 164 Resp: 345609
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 43.8 38.0 57.0

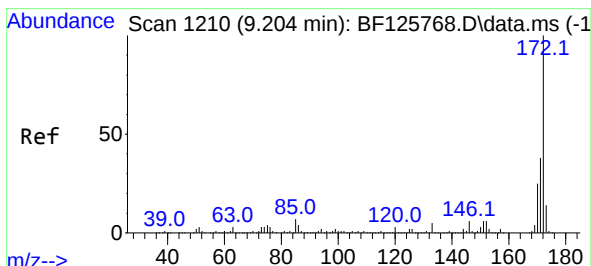
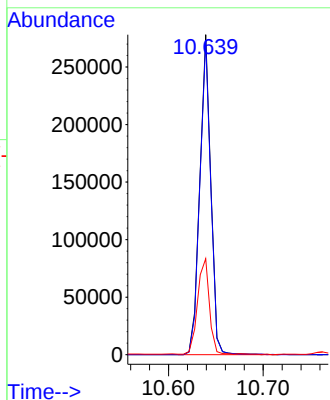
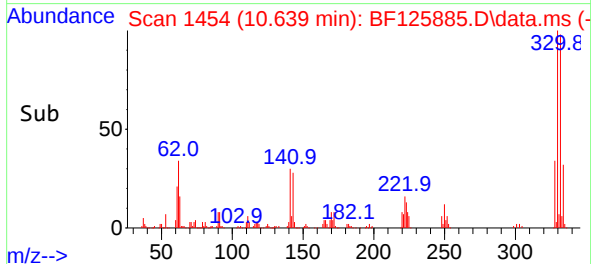




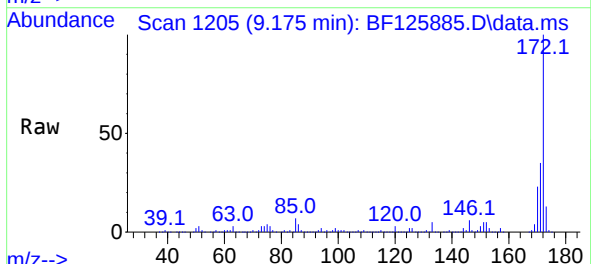
#42
2,4,6-Tribromophenol
Concen: 66.00 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



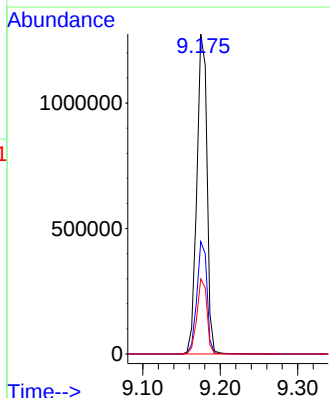
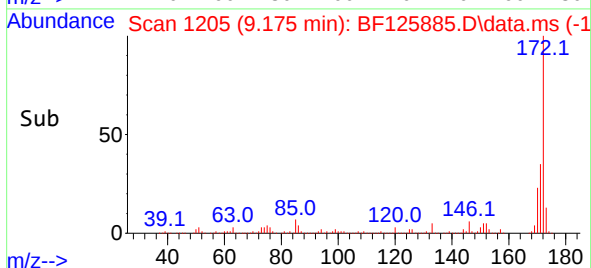
Tgt Ion: 330 Resp: 225217
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 31.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 58.01 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



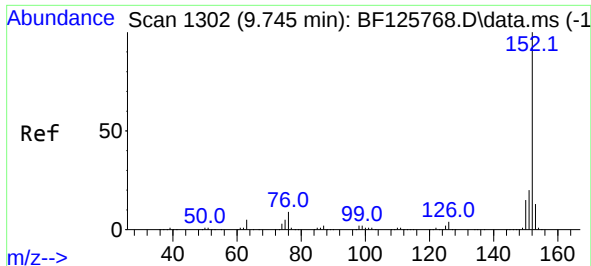
Tgt Ion: 172 Resp: 1162388
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.5 18.8 28.2



Instrument :
BNA_F
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MH-CA-(1)

Manual Integrations
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#49

Acenaphthylene

Concen: 3.41 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF125885.D

Acq: 18 Oct 2021 19:23

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

Instrument :

BNA_F

ClientSampled :

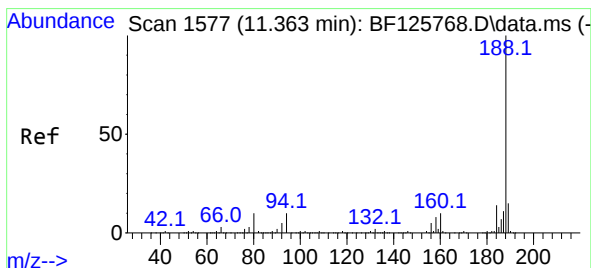
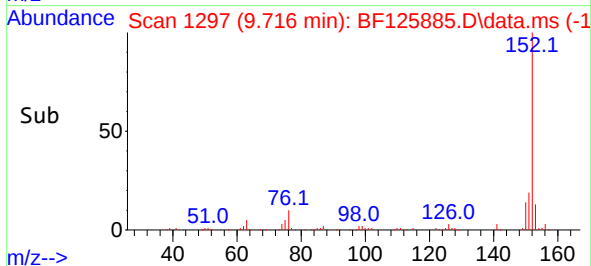
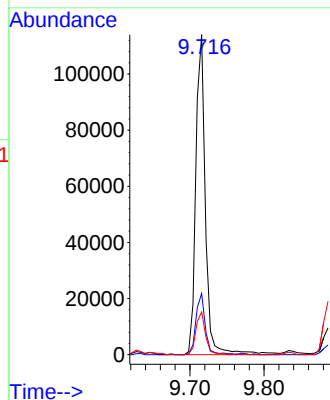
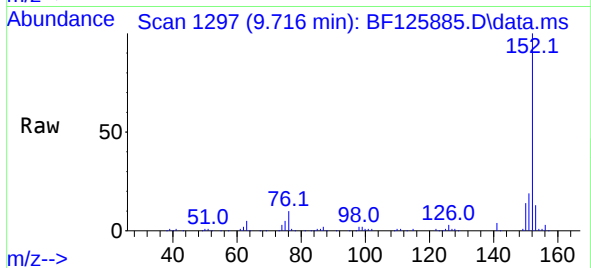
MH-CA-(1)

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF125885.D

Acq: 18 Oct 2021 19:23

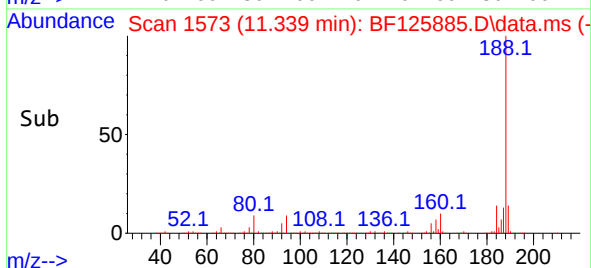
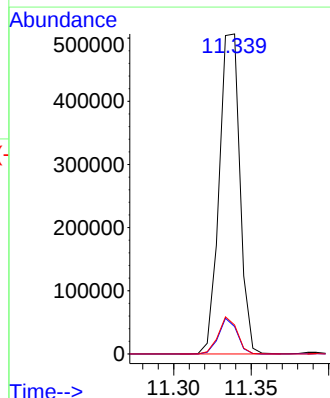
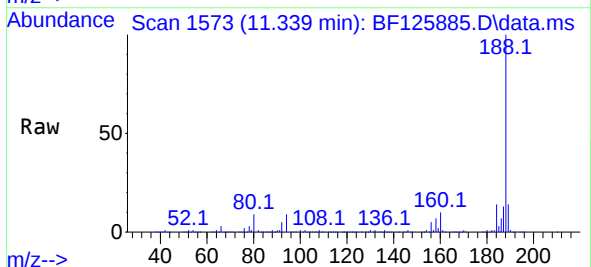
Tgt Ion:188 Resp: 471306

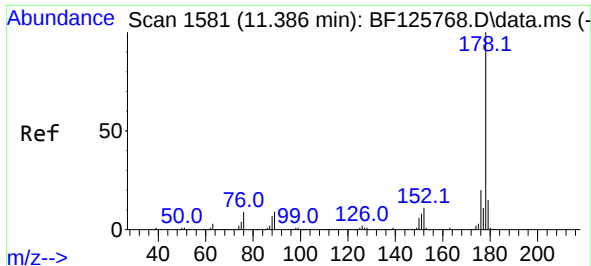
Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.1 7.5 11.3





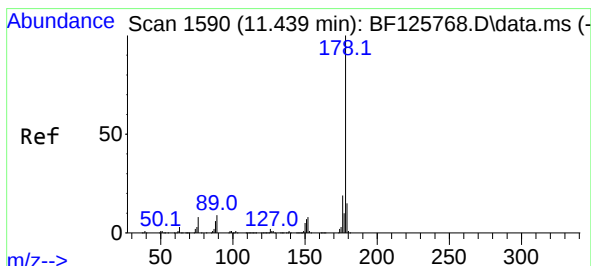
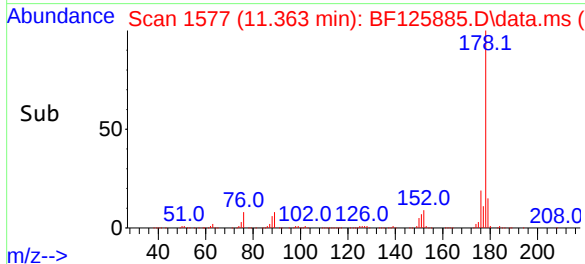
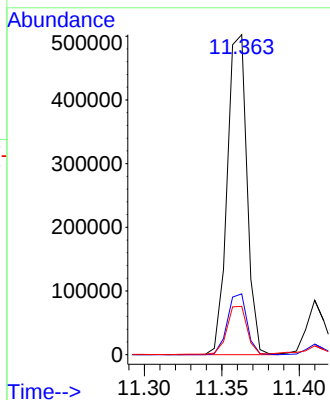
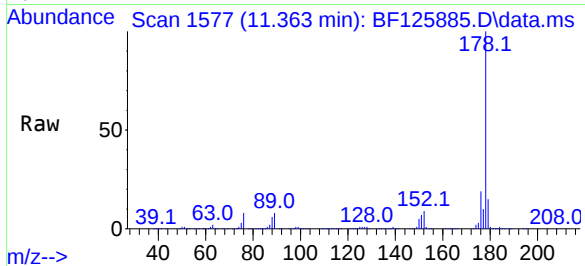
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Phenanthrene
Concen: 17.68 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

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

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

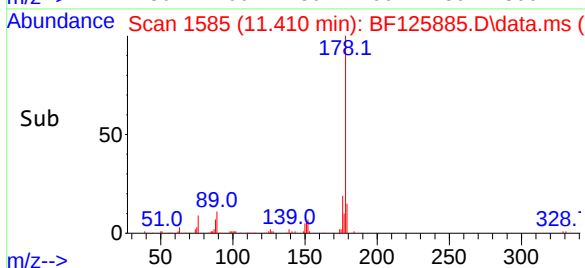
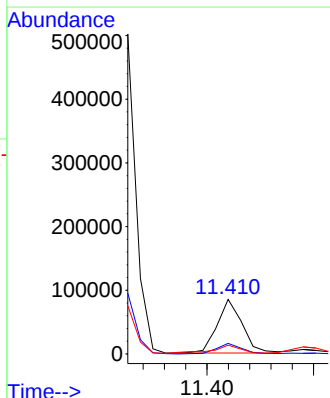
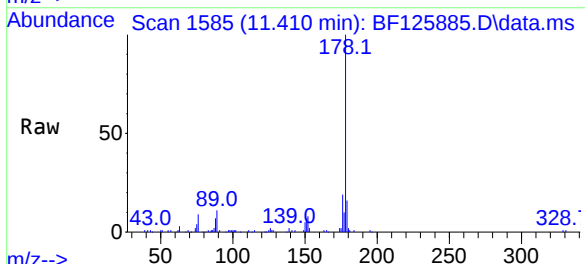
Manual Integrations
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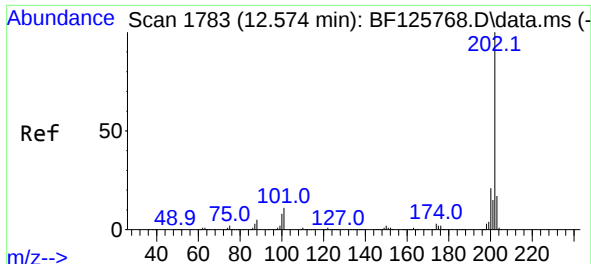
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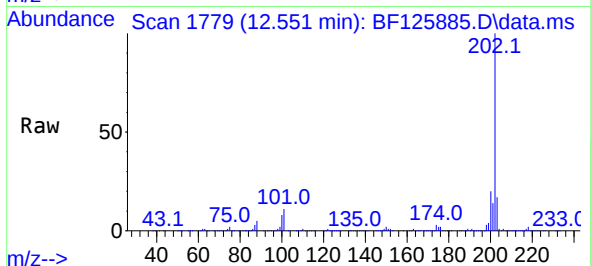
#72
Anthracene
Concen: 2.72 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

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

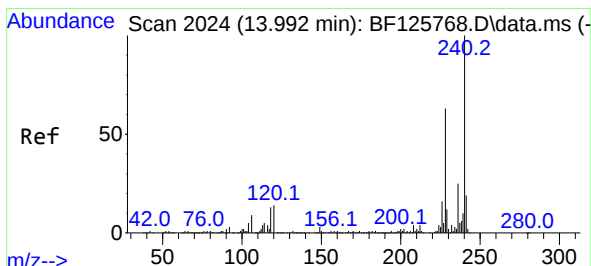
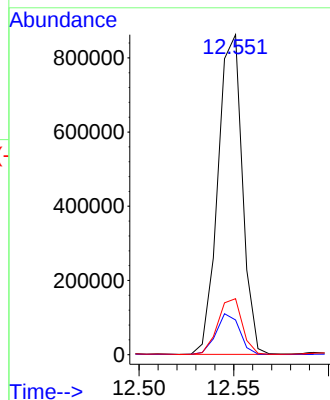
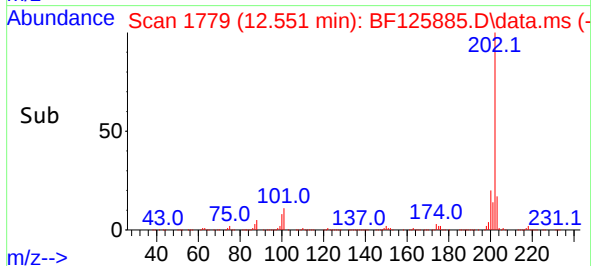




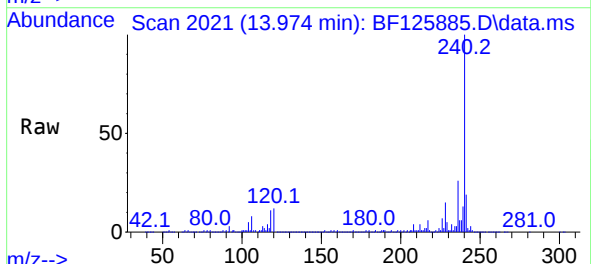
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Fluoranthene
Concen: 34.01 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



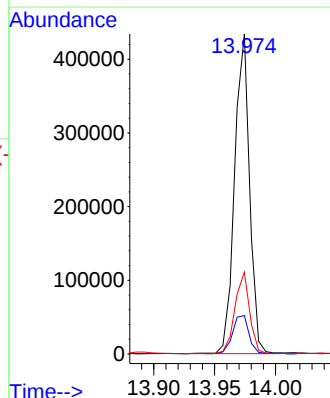
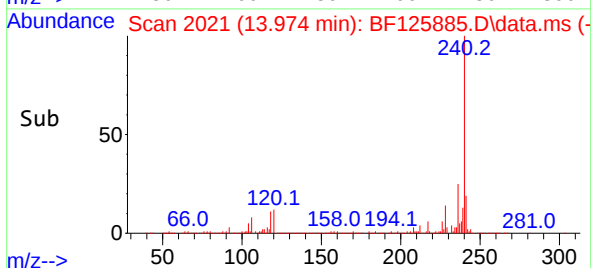
Tgt Ion:202 Resp: 773911
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



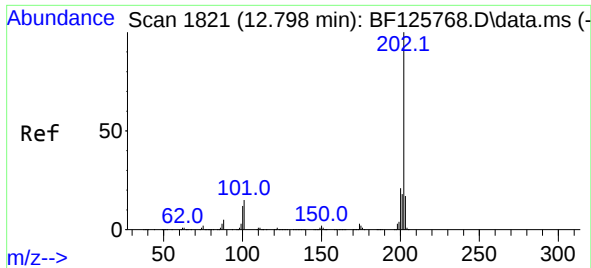
Tgt Ion:240 Resp: 370761
Ion Ratio Lower Upper
240 100
120 12.0 10.8 16.2
236 25.6 21.6 32.4



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

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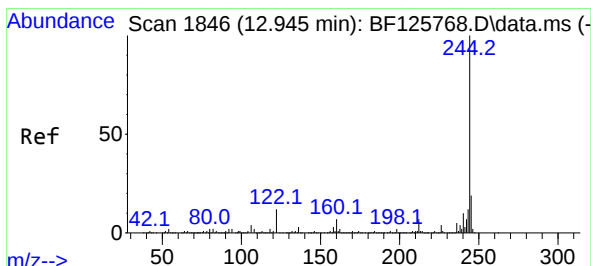
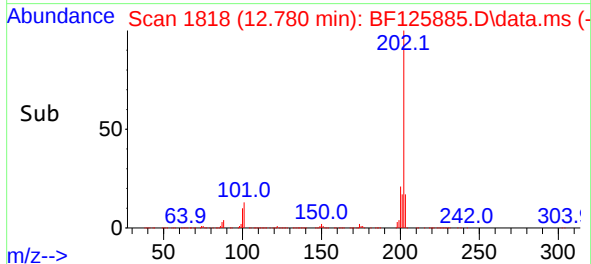
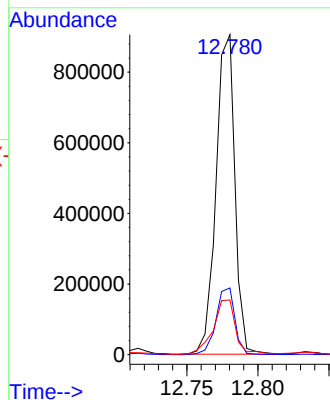
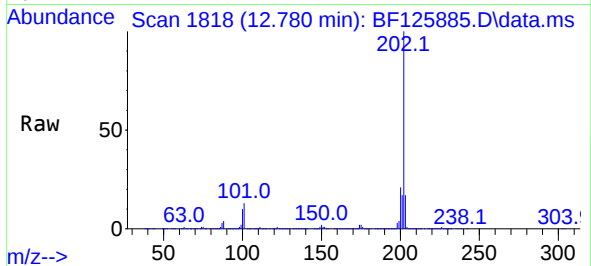
#78
Pyrene
Concen: 22.21 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF125885.D
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Tgt Ion:202 Resp: 836411
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 17.1 13.4 20.0

Instrument :
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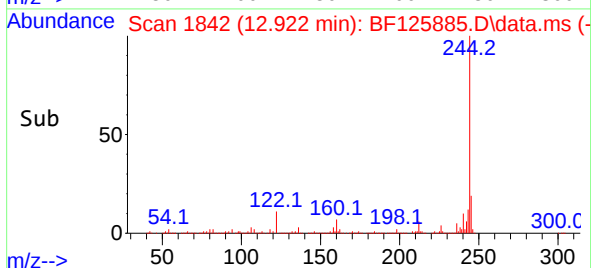
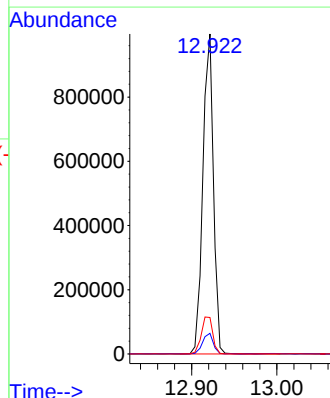
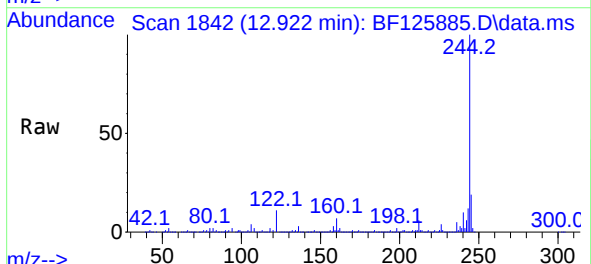
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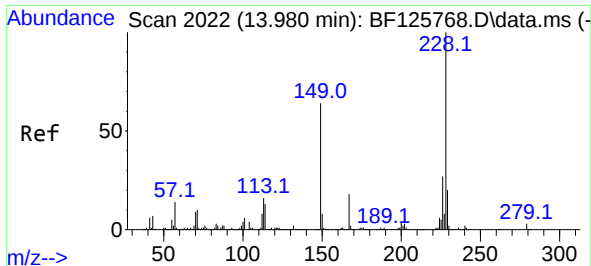
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#79
Terphenyl-d14
Concen: 35.18 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

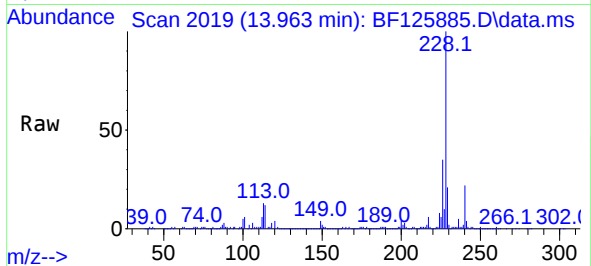
Tgt Ion:244 Resp: 856264
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 11.4 9.0 13.4





#81
Benzo(a)anthracene
Concen: 16.45 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

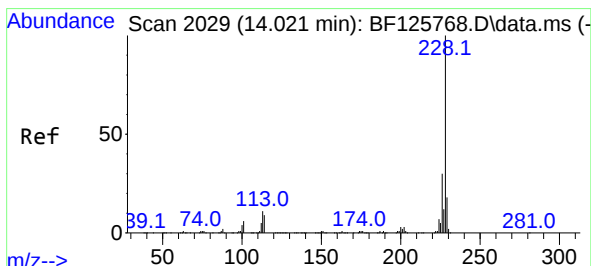
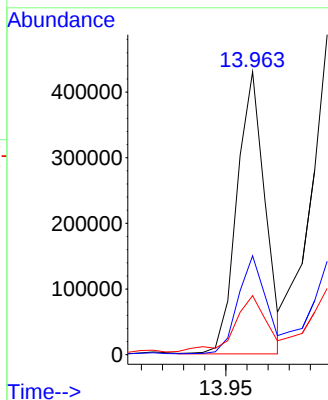
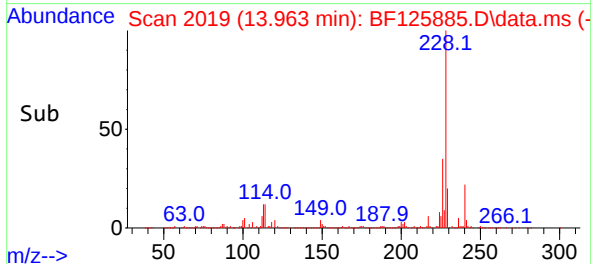
Instrument :
BNA_F
ClientSampled :
MH-CA-(1)



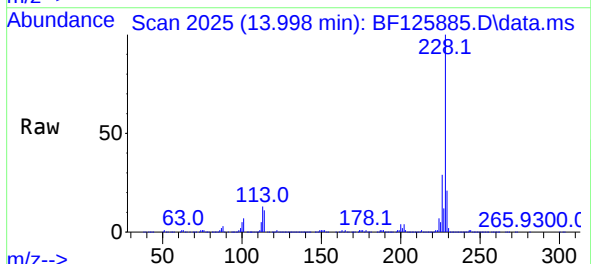
Tgt Ion:228 Resp: 395592
Ion Ratio Lower Upper
228 100
226 34.9 21.6 32.4#
229 20.9 15.6 23.4

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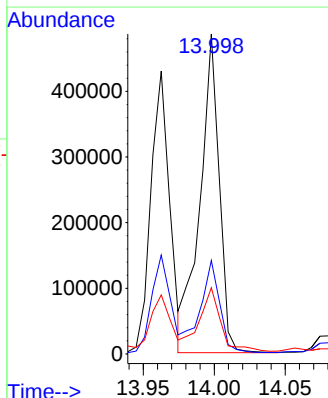
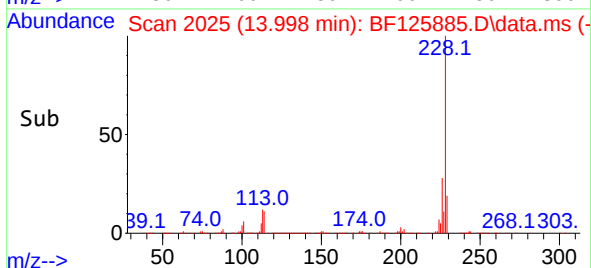
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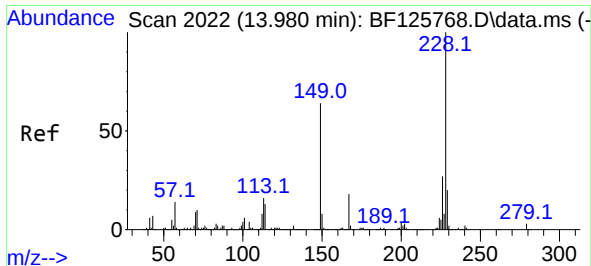


#83
Chrysene
Concen: 19.33 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



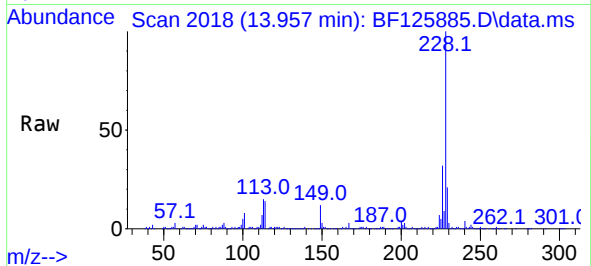
Tgt Ion:228 Resp: 459511
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 20.7 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.11 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

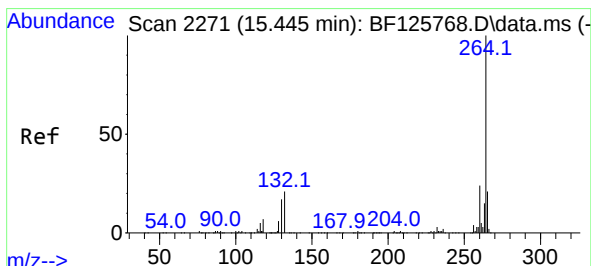
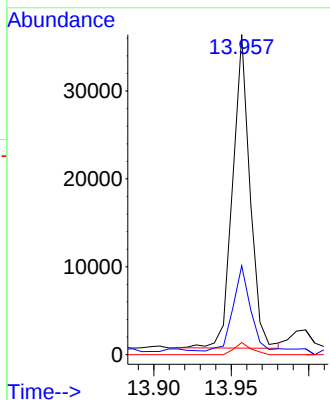
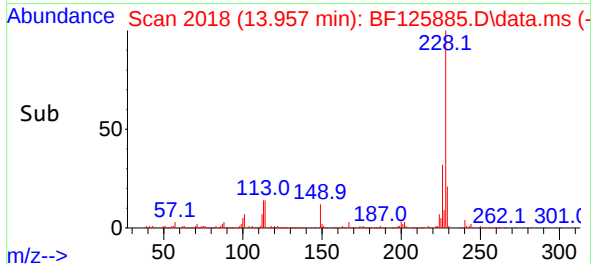
Instrument :
BNA_F
ClientSampled :
MH-CA-(1)



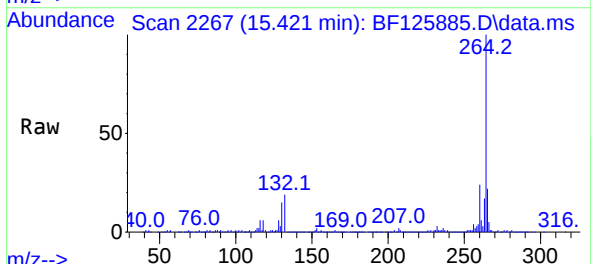
Tgt Ion:149 Resp: 27679
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.0
279 3.8 2.6 4.0

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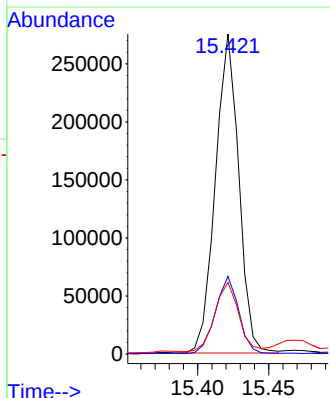
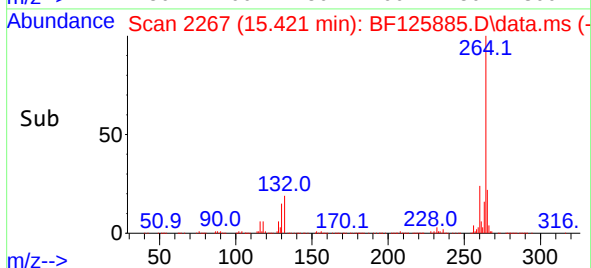
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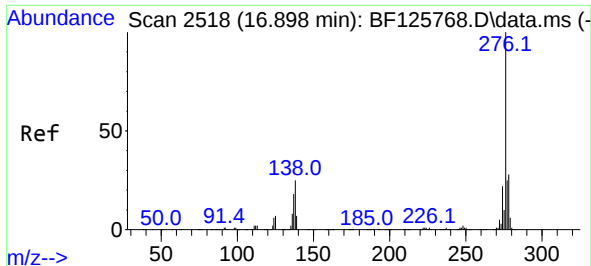


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



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





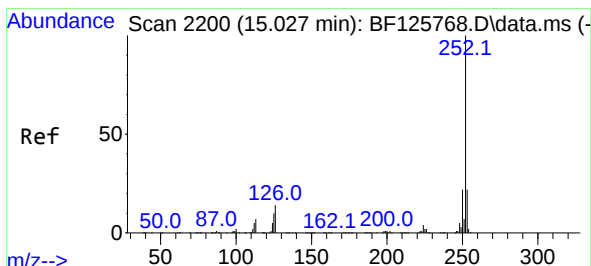
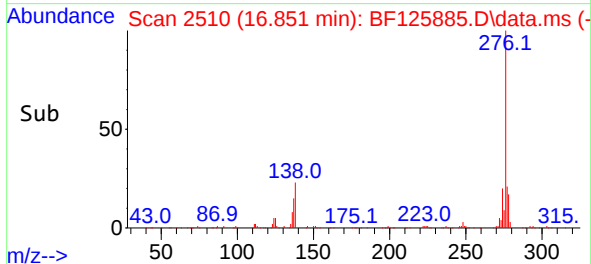
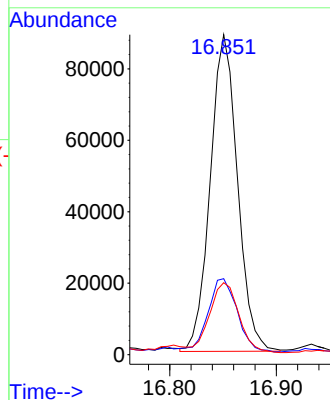
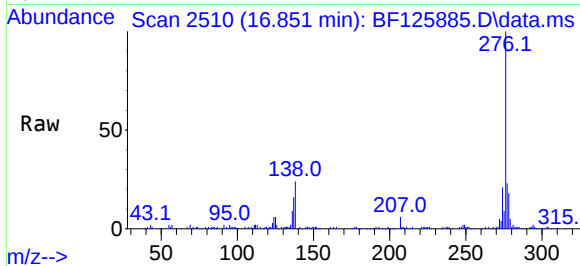
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.58 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

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

Instrument :
BNA_F
ClientSampleId :
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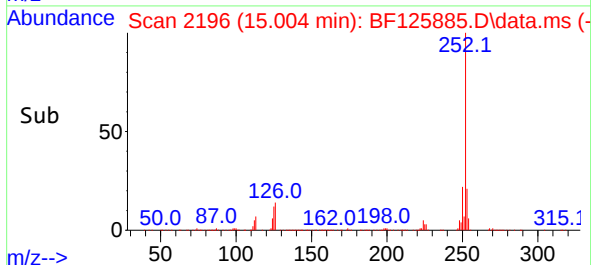
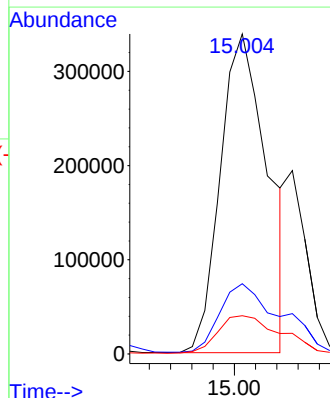
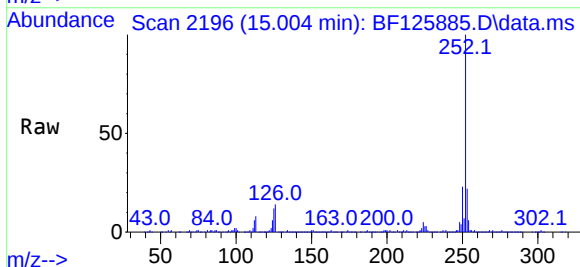
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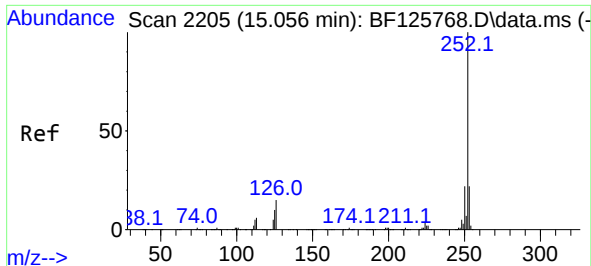
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#88
Benzo(b)fluoranthene
Concen: 29.45 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:	252	Resp:	522771
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.8	25.2
125	12.0	9.8	14.8





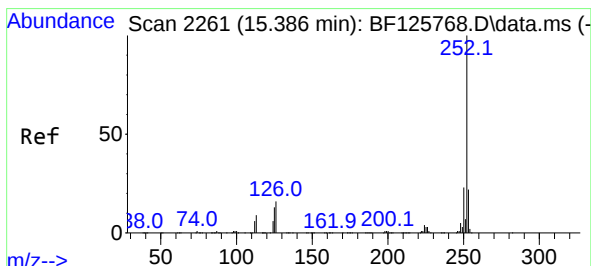
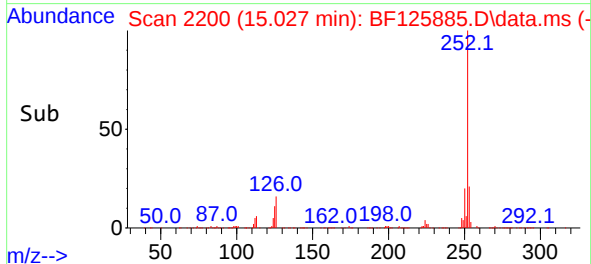
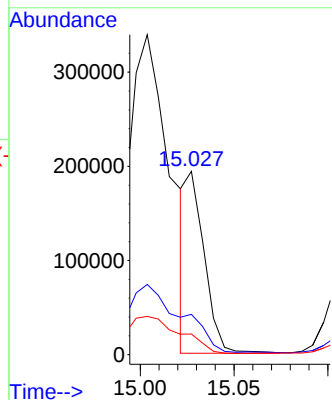
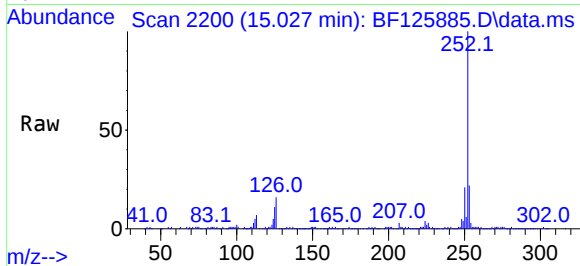
#89
Benzo(k)fluoranthene
Concen: 7.05 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

Tgt Ion:252 Resp: 128548
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 11.3 7.2 10.8#

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

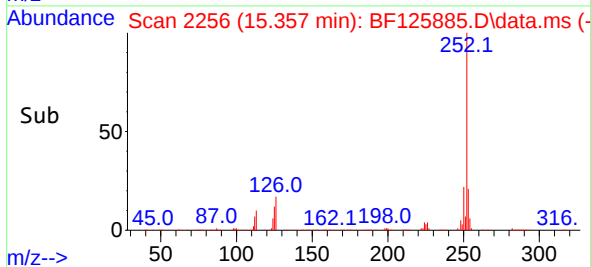
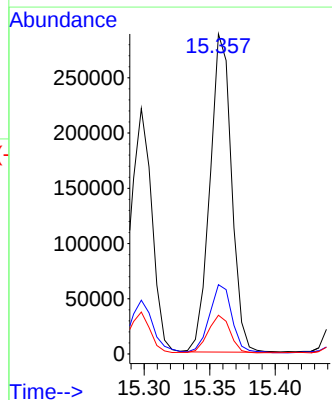
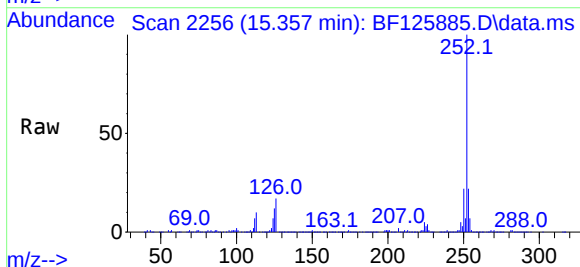
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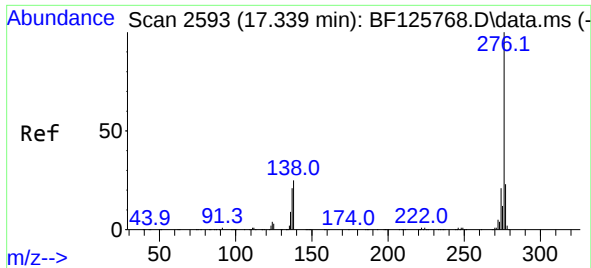
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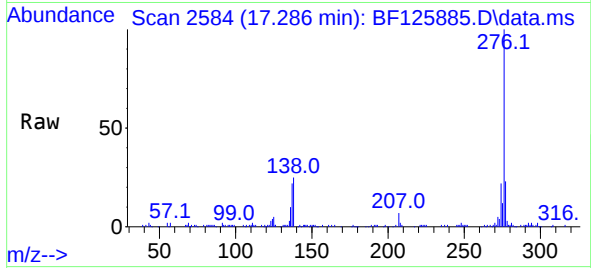
#90
Benzo(a)pyrene
Concen: 21.01 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23

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

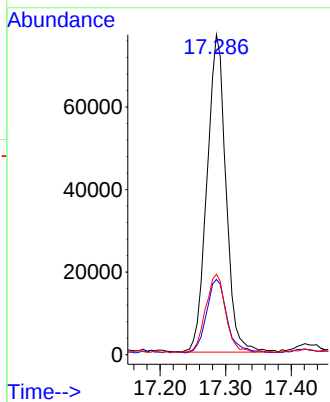
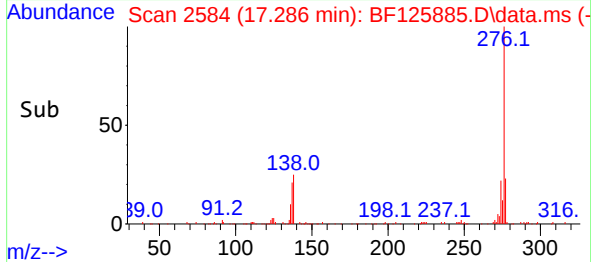




#92
Benzo(g,h,i)perylene
Concen: 7.63 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.012 min
Lab File: BF125885.D
Acq: 18 Oct 2021 19:23



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



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

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