

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125873.D
 Acq On : 18 Oct 2021 13:03
 Operator : JU/CG
 Sample : M4195-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Time: Oct 18 14:03:33 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	177699	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	701286	20.00	ng	# 0.00
39) Acenaphthene-d10	9.857	164	360975	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	537366	20.00	ng	0.00
76) Chrysene-d12	13.974	240	334420	20.00	ng	0.00
86) Perylene-d12	15.421	264	399766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	241223	22.18	ng	-0.01
7) Phenol-d6	6.439	99	297619	21.25	ng	-0.02
23) Nitrobenzene-d5	7.375	82	170076	15.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.639	330	62744	17.61	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	354915	16.96	ng	0.00
79) Terphenyl-d14	12.921	244	243423	11.09	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	581014	17.14	ng	98
37) 2-Methylnaphthalene	8.816	142	443833	20.21	ng	99
38) 1-Methylnaphthalene	8.916	142	434881	20.41	ng	97
46) 1,1'-Biphenyl	9.275	154	56491	2.13	ng	98
49) Acenaphthylene	9.716	152	98456	3.12	ng	# 88
52) Acenaphthene	9.886	154	126856	6.43	ng	95
58) Fluorene	10.404	166	218376	10.10	ng	100
71) Phenanthrene	11.363	178	1113357	38.72	ng	98
72) Anthracene	11.416	178	248675	8.66	ng	100
75) Fluoranthene	12.551	202	545498	21.03	ng	95
78) Pyrene	12.780	202	1026052	30.20	ng	97
81) Benzo(a)anthracene	13.962	228	276919	12.76	ng	95
83) Chrysene	13.998	228	273131m	12.74	ng	
87) Indeno(1,2,3-cd)pyrene	16.851	276	100338	3.29	ng	94
88) Benzo(b)fluoranthene	15.004	252	249140m	11.04	ng	
89) Benzo(k)fluoranthene	15.027	252	56128m	2.42	ng	
90) Benzo(a)pyrene	15.356	252	274572	13.74	ng	98
92) Benzo(g,h,i)perylene	17.286	276	112737	4.39	ng	95

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

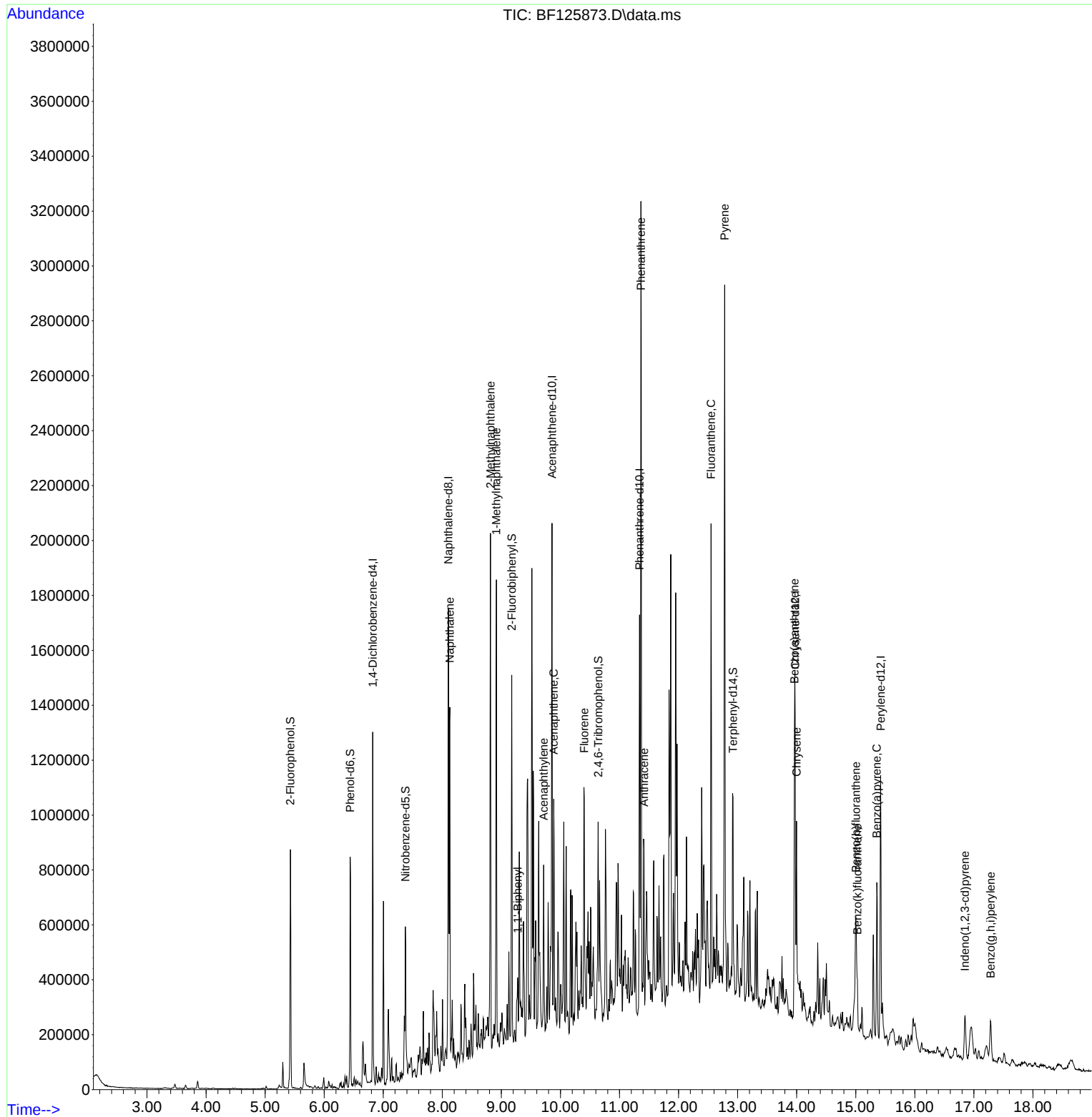
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
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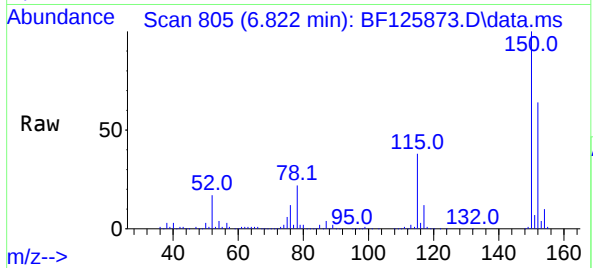
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 12:43:03 2021
Response via : Initial Calibration

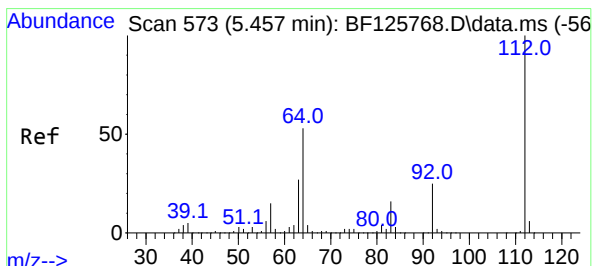
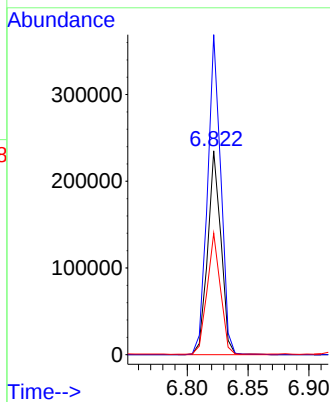
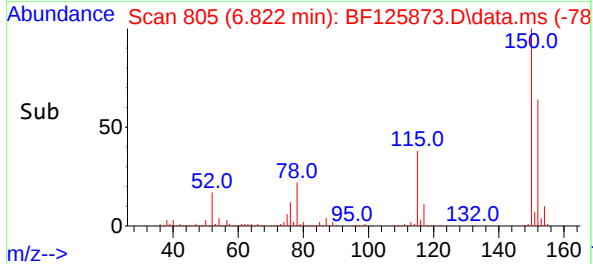




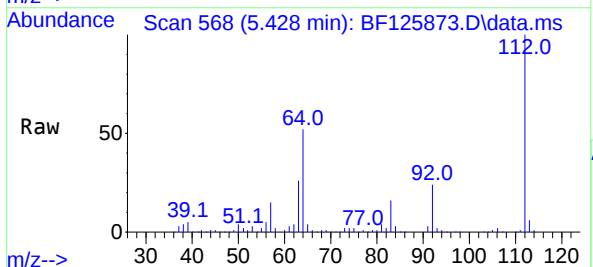
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



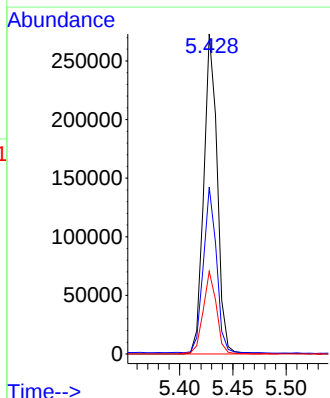
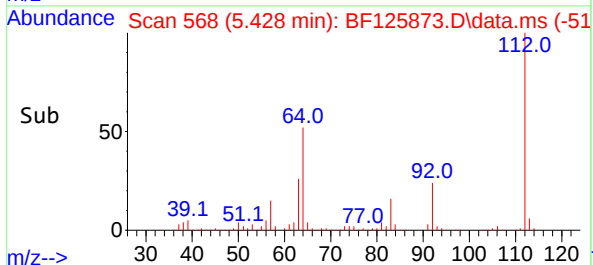
Tgt Ion:152 Resp: 177699
Ion Ratio Lower Upper
152 100
150 156.9 117.6 176.4
115 59.5 47.1 70.7



#5
2-Fluorophenol
Concen: 22.18 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



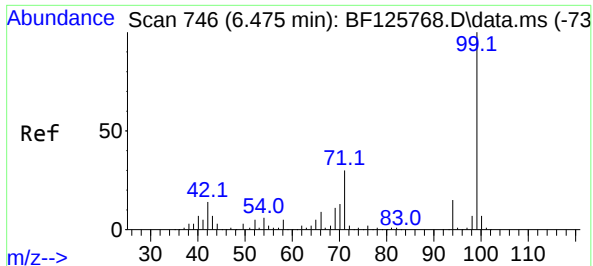
Tgt Ion:112 Resp: 241223
Ion Ratio Lower Upper
112 100
64 52.2 44.2 66.2
63 25.8 26.2 39.2#



Instrument :
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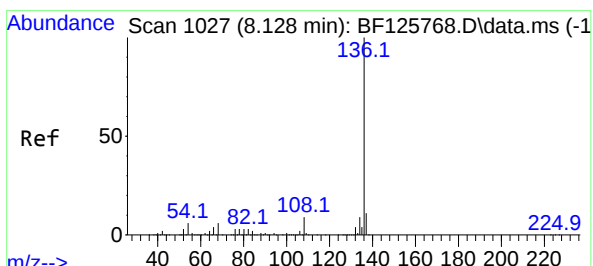
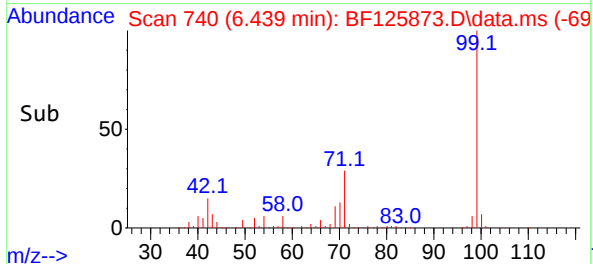
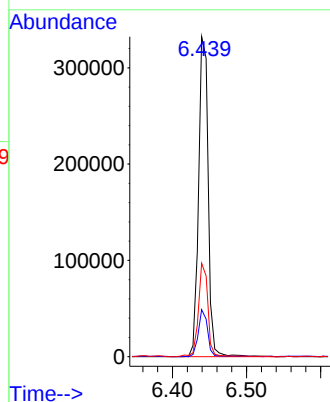
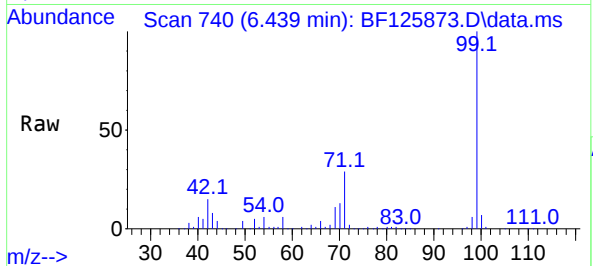
#7
Phenol-d6
Concen: 21.25 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:	99	Resp:	297619
Ion	Ratio	Lower	Upper
99	100		
42	14.7	23.5	35.3#
71	29.2	25.6	38.4

Instrument :
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ClientSampleId :
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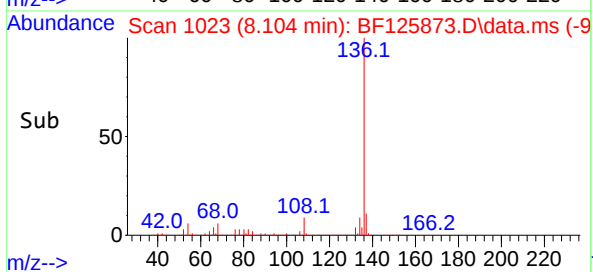
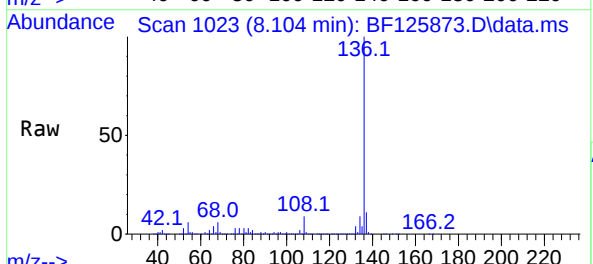
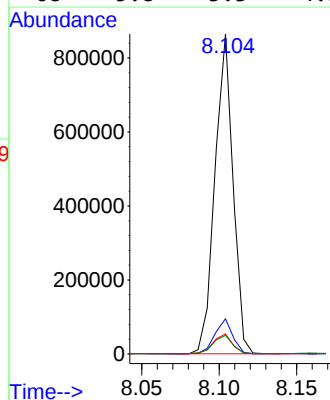
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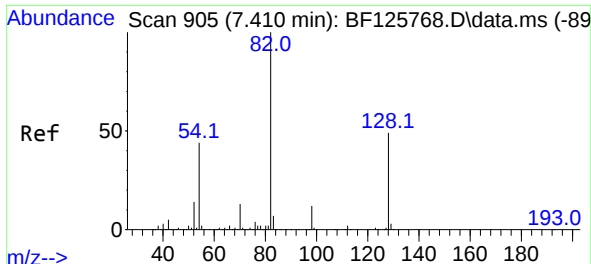
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:	136	Resp:	701286
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	6.3	6.4	9.6#
68	5.8	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 15.08 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF125873.D

Acq: 18 Oct 2021 13:03

Tgt Ion: 82 Resp: 170076

Ion	Ratio	Lower	Upper
82	100		
128	47.4	40.6	60.8
54	44.4	49.6	74.4#

Instrument :

BNA_F

ClientSampleId :

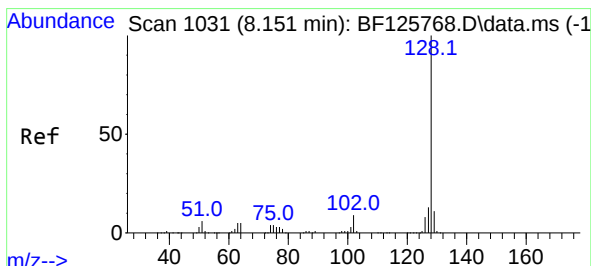
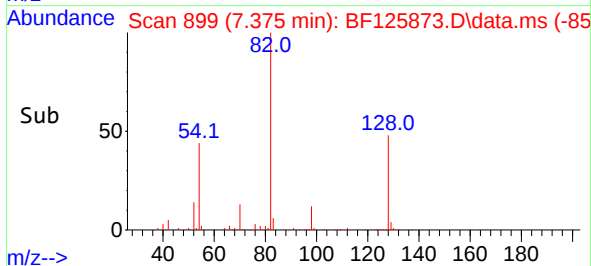
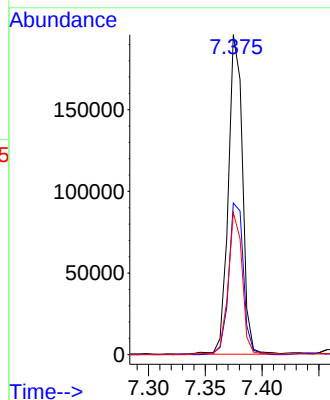
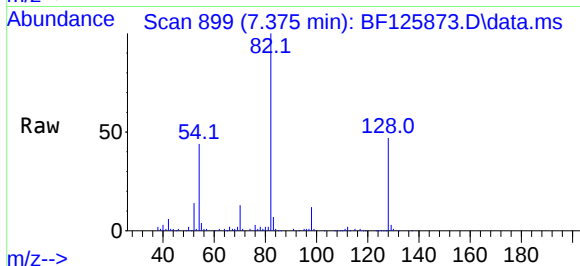
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#31

Naphthalene

Concen: 17.14 ng

RT: 8.128 min Scan# 1027

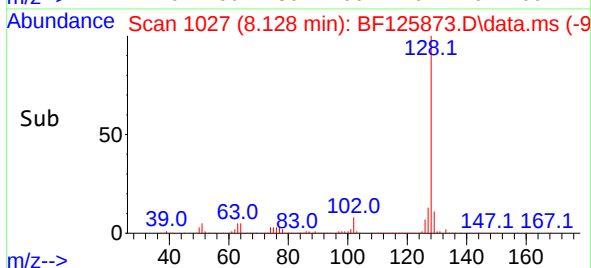
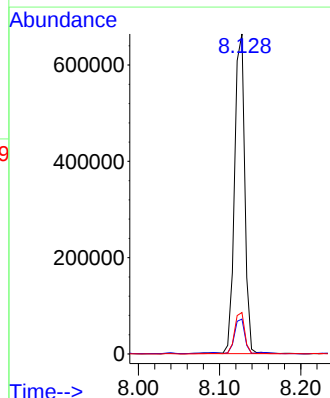
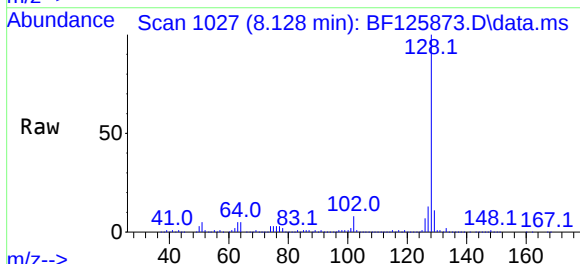
Delta R.T. -0.000 min

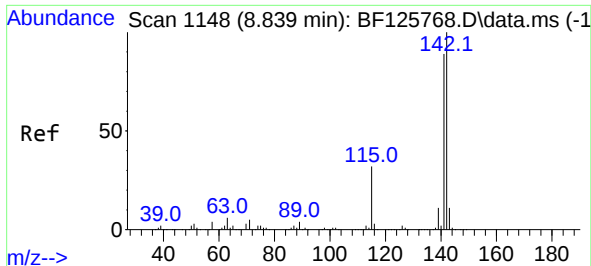
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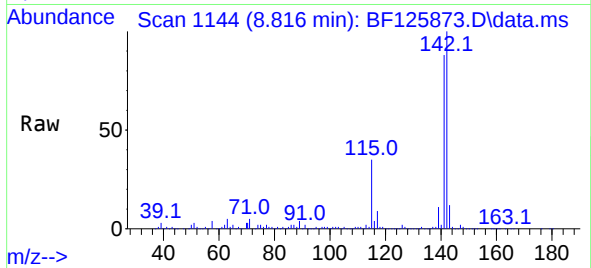
Tgt Ion: 128 Resp: 581014

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.0
127	13.0	10.9	16.3

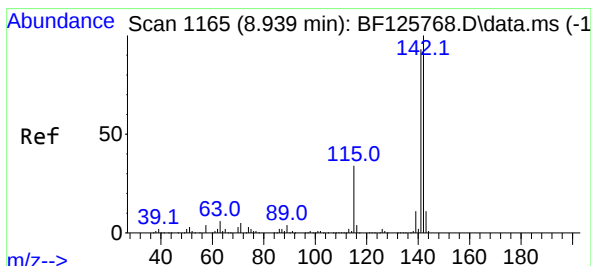
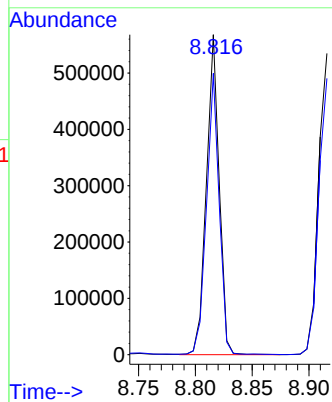
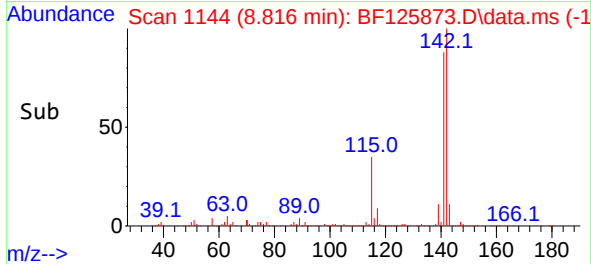




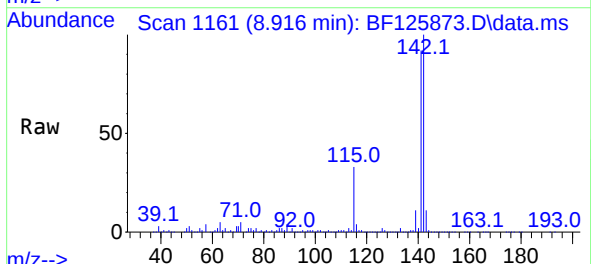
#37
2-Methylnaphthalene
Concen: 20.21 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



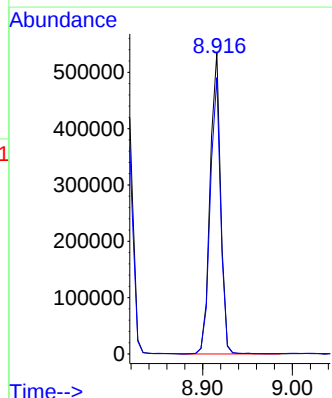
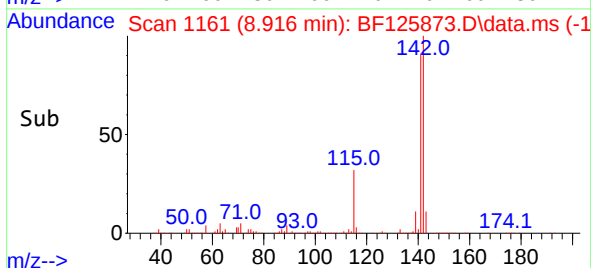
Tgt Ion:142 Resp: 443833
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8



#38
1-Methylnaphthalene
Concen: 20.41 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



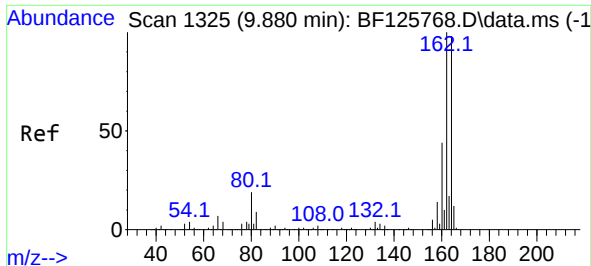
Tgt Ion:142 Resp: 434881
Ion Ratio Lower Upper
142 100
141 91.7 76.0 114.0



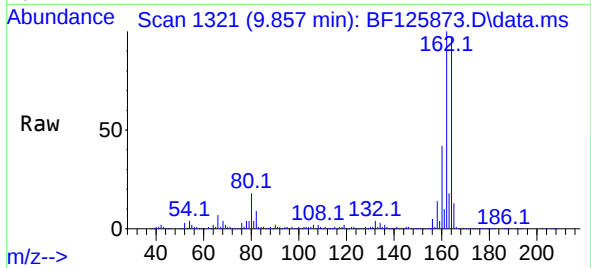
Instrument :
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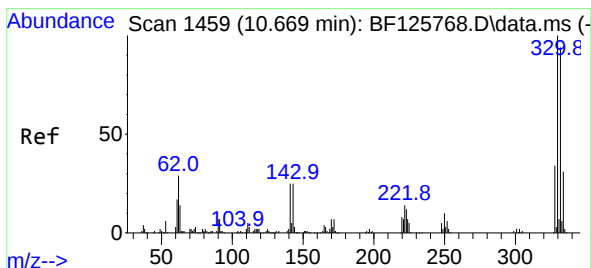
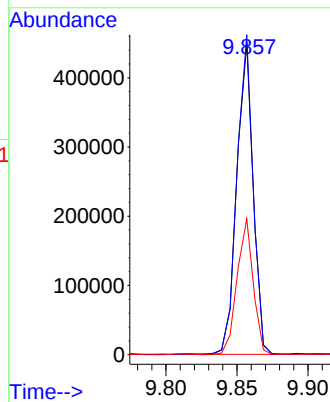
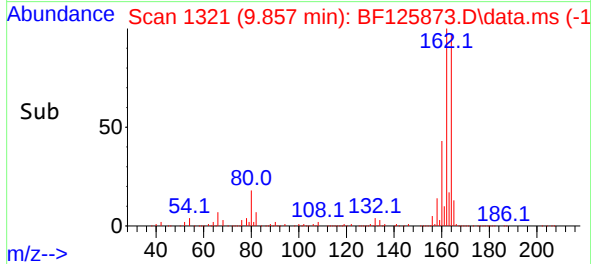
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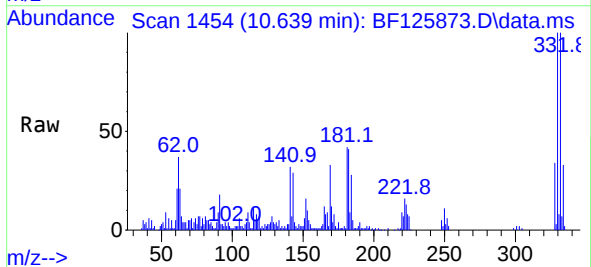
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



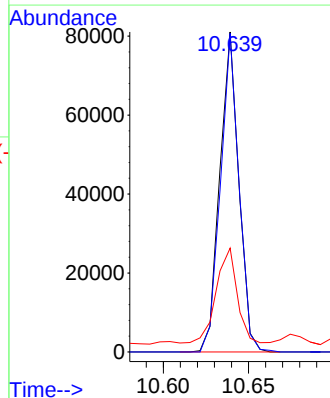
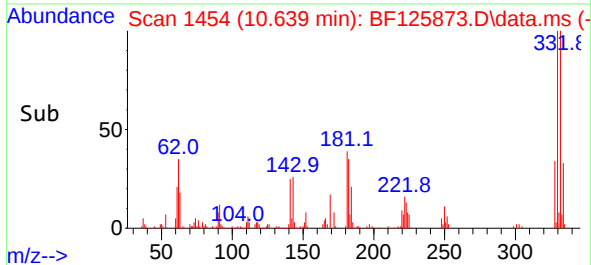
Tgt Ion:164 Resp: 360975
Ion Ratio Lower Upper
164 100
162 102.9 81.3 121.9
160 43.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 17.61 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



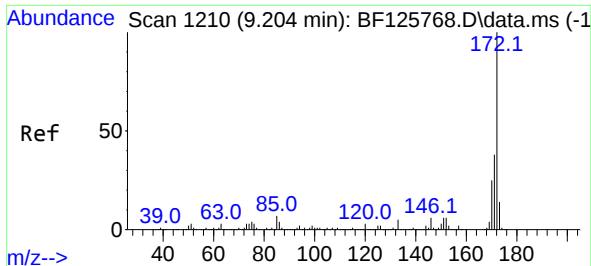
Tgt Ion:330 Resp: 62744
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 34.7 44.6 66.8#



Instrument :
BNA_F
ClientSampleId :
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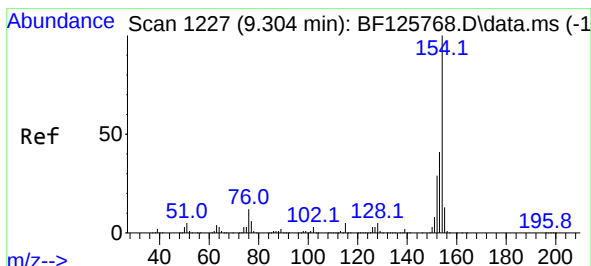
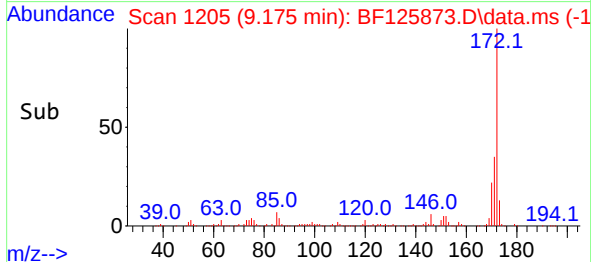
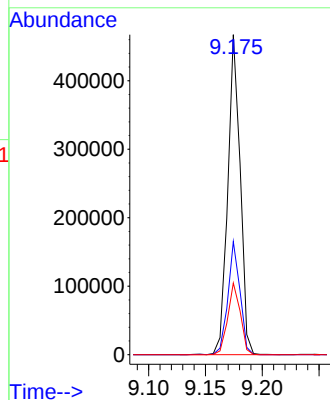
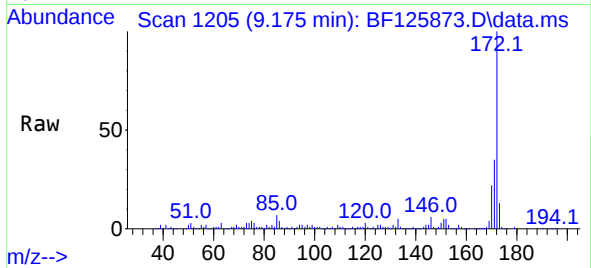
#45
2-Fluorobiphenyl
Concen: 16.96 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:172 Resp: 354915
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 22.4 18.8 28.2

Instrument :
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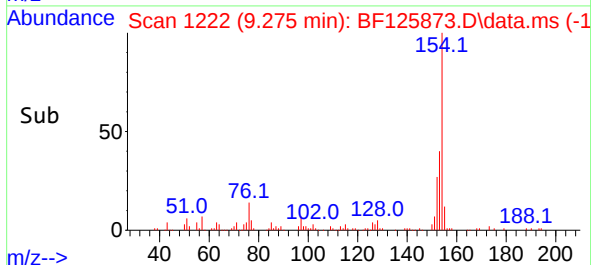
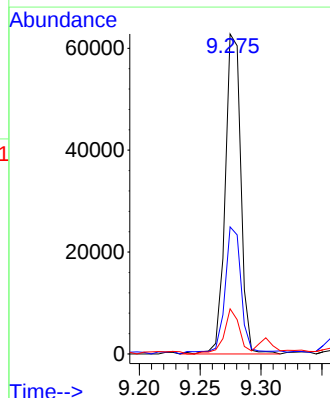
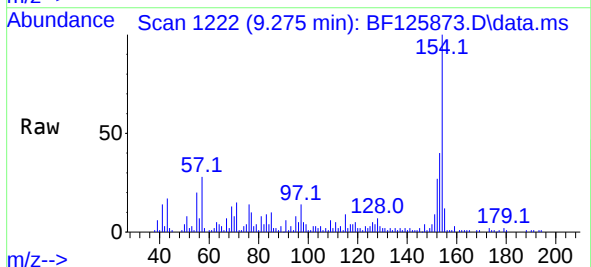
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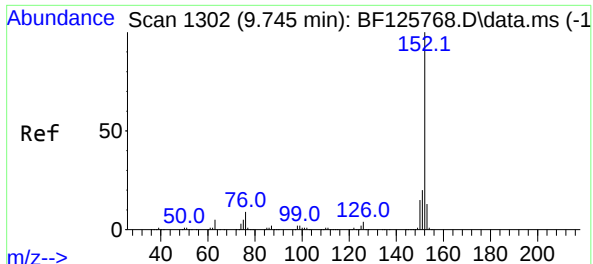
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#46
1,1'-Biphenyl
Concen: 2.13 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:154 Resp: 56491
Ion Ratio Lower Upper
154 100
153 39.7 20.0 60.0
76 14.1 0.0 30.3





#49

Acenaphthylene

Concen: 3.12 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF125873.D

Acq: 18 Oct 2021 13:03

Tgt Ion:	152	Resp:	98456
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.7	23.5
153	22.7	9.8	14.8#

Instrument :

BNA_F

ClientSampleId :

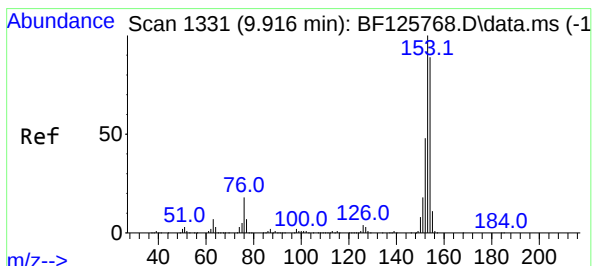
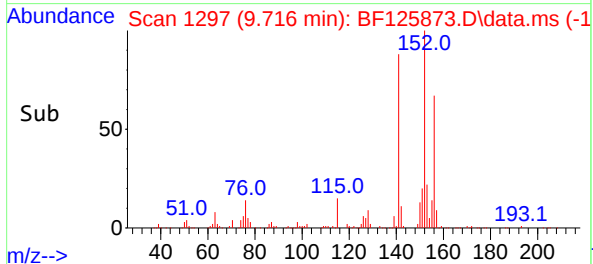
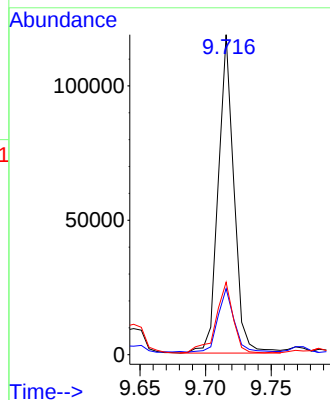
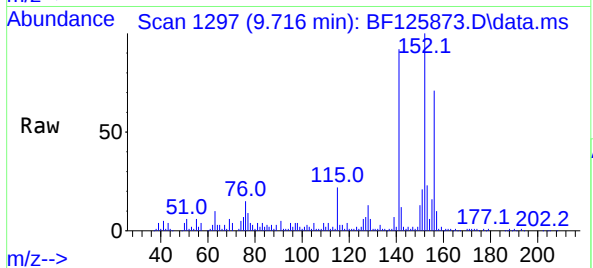
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#52

Acenaphthene

Concen: 6.43 ng

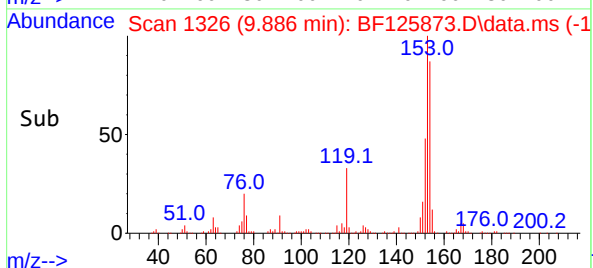
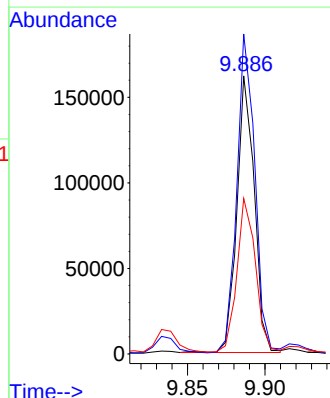
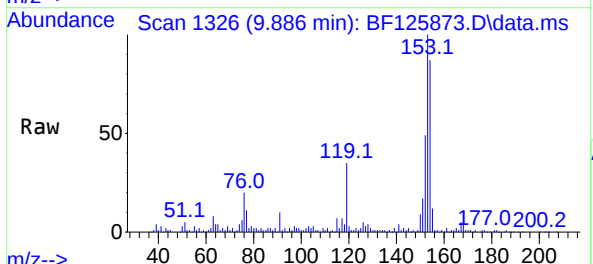
RT: 9.886 min Scan# 1326

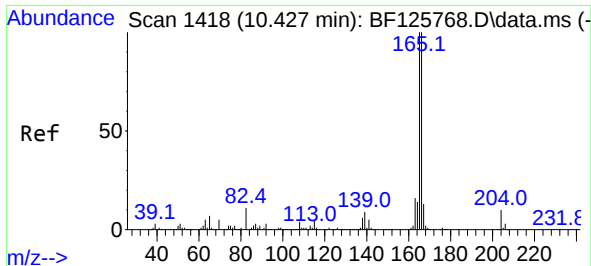
Delta R.T. -0.006 min

Lab File: BF125873.D

Acq: 18 Oct 2021 13:03

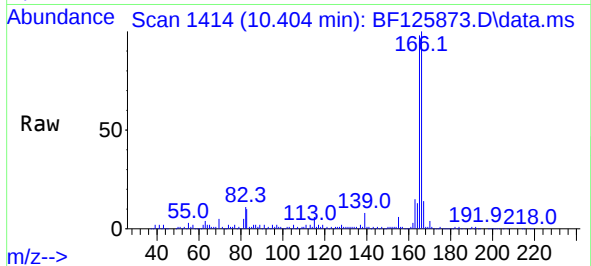
Tgt Ion:	154	Resp:	126856
Ion Ratio	Lower	Upper	
154	100		
153	115.1	89.4	134.2
152	55.9	40.5	60.7





#58
Fluorene
Concen: 10.10 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

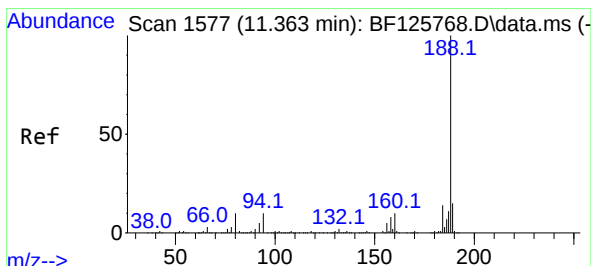
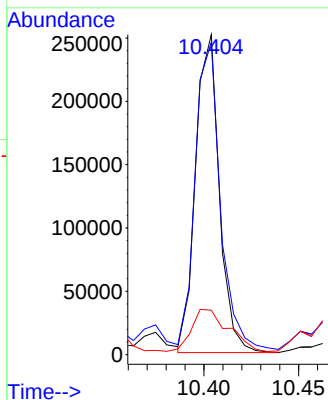
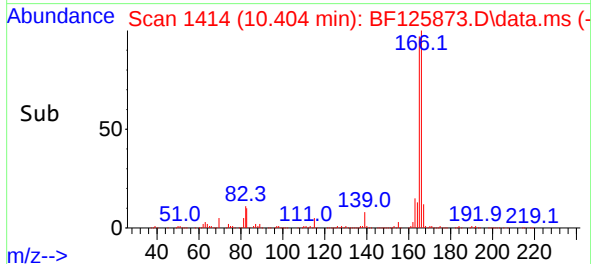
Instrument :
BNA_F
ClientSampleId :
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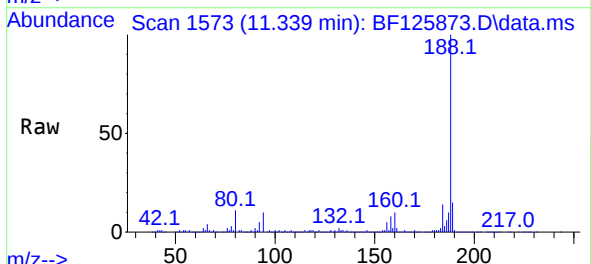
Tgt Ion:166 Resp: 218376
Ion Ratio Lower Upper
166 100
165 97.6 78.1 117.1
167 13.9 11.1 16.7

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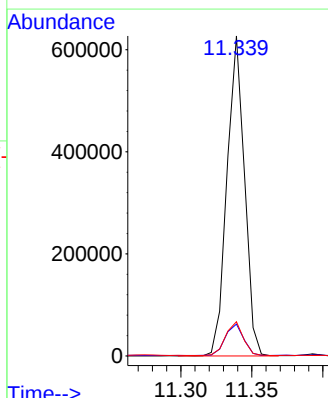
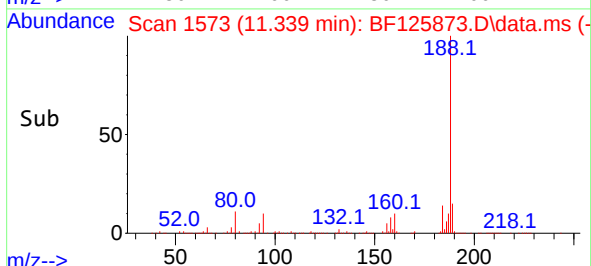
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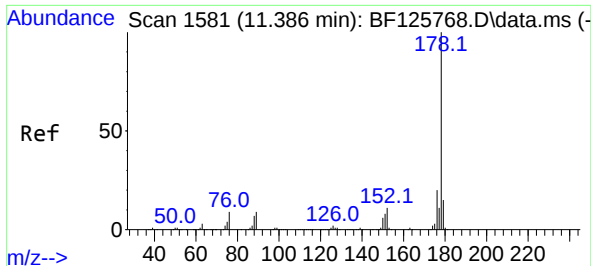


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



Tgt Ion:188 Resp: 537366
Ion Ratio Lower Upper
188 100
94 10.0 6.7 10.1
80 10.7 7.5 11.3





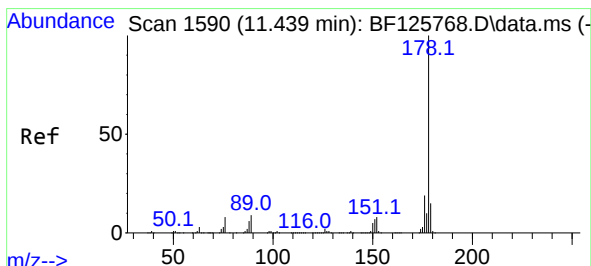
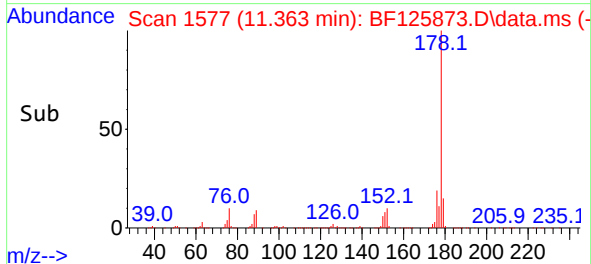
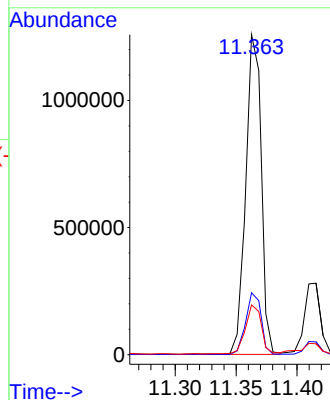
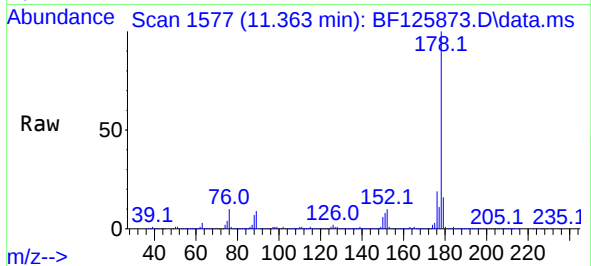
#71
Phenanthrene
Concen: 38.72 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:178 Resp: 1113357
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.6 11.5 17.3

Instrument :
BNA_F
ClientSampleId :
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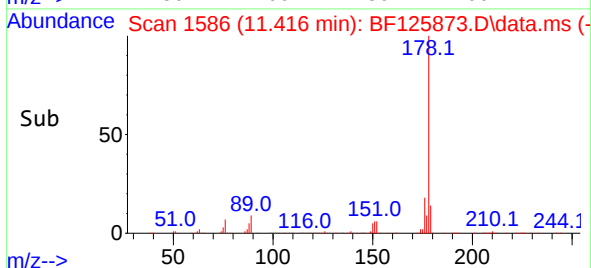
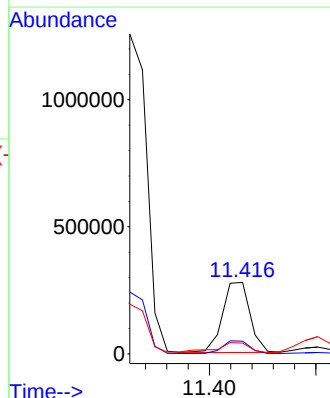
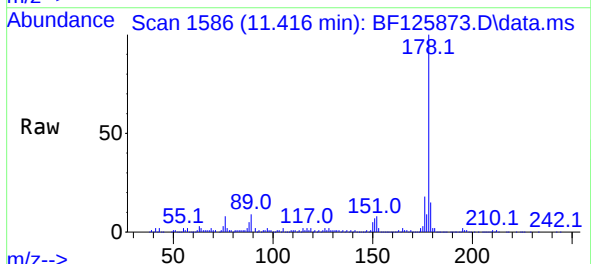
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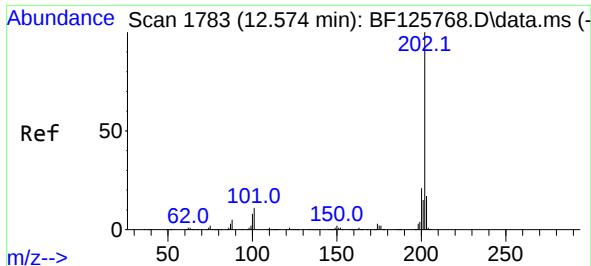
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#72
Anthracene
Concen: 8.66 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:178 Resp: 248675
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 15.2 12.2 18.4





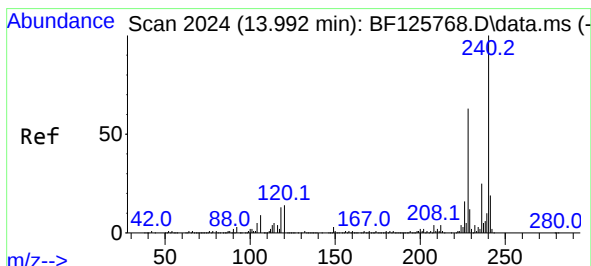
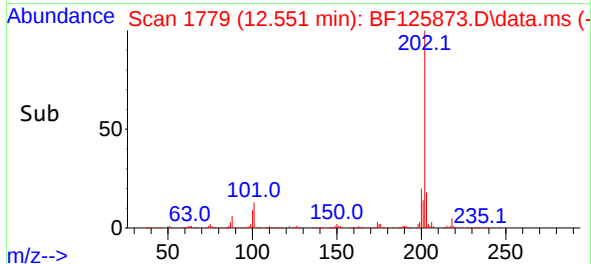
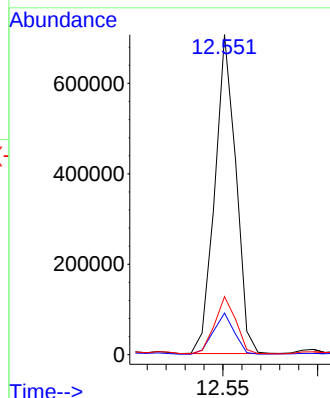
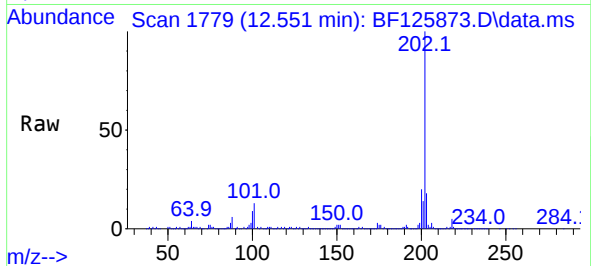
#75
Fluoranthene
Concen: 21.03 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:	202	Resp:	545498
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	30.7
203	18.2	0.0	36.3

Instrument :
BNA_F
ClientSampleId :
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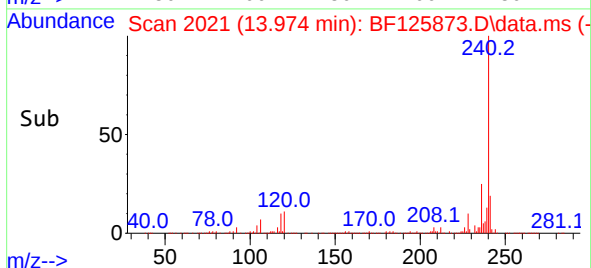
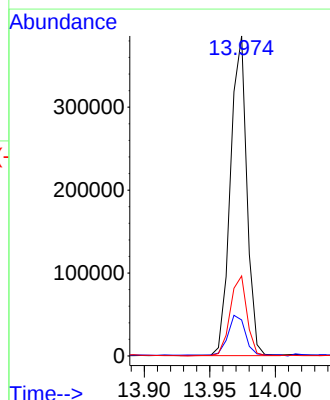
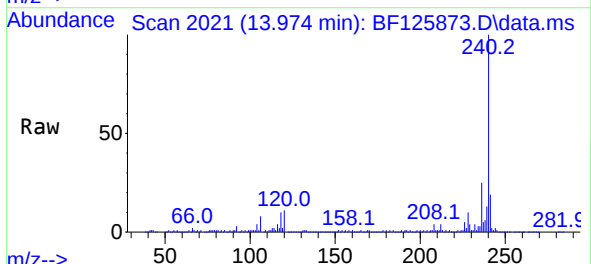
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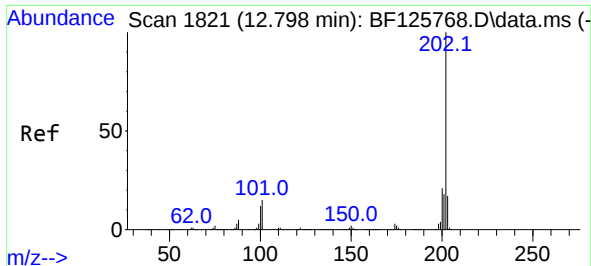
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:	240	Resp:	334420
Ion Ratio	Lower	Upper	
240	100		
120	11.2	10.8	16.2
236	25.0	21.6	32.4





#78
Pyrene
Concen: 30.20 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

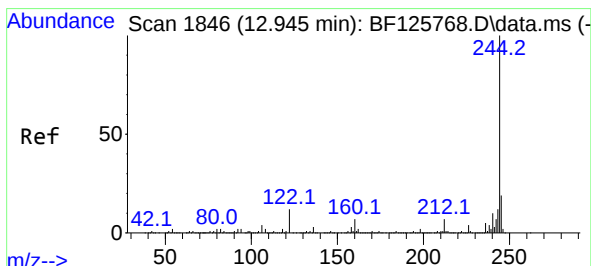
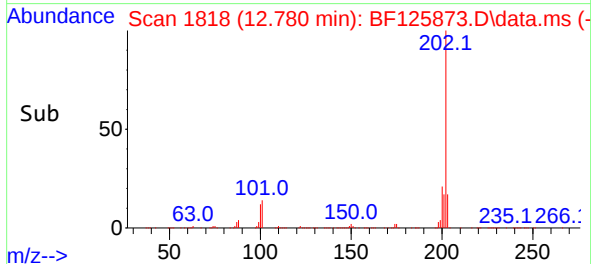
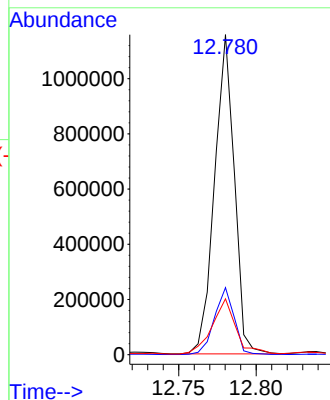
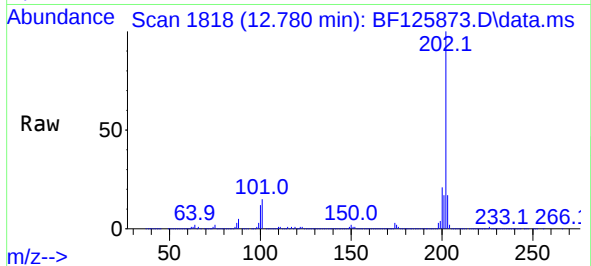
Tgt Ion:202 Resp: 1026052

Ion	Ratio	Lower	Upper
202	100		
200	20.9	15.3	22.9
203	17.4	13.4	20.0

Instrument :
BNA_F
ClientSampleId :
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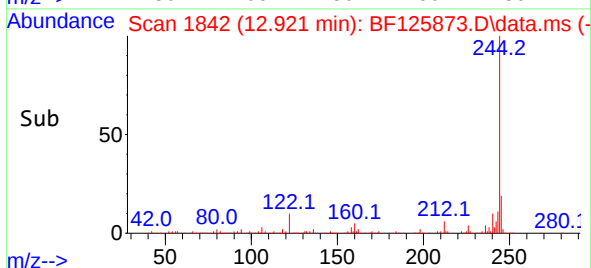
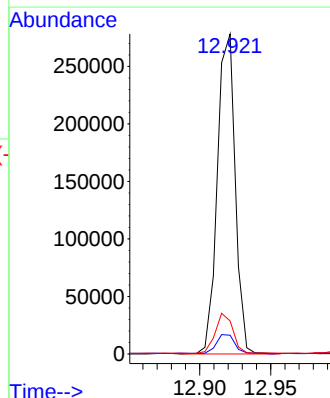
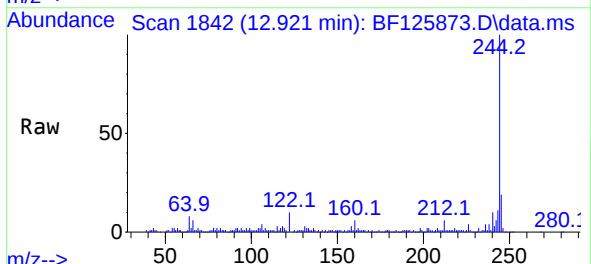
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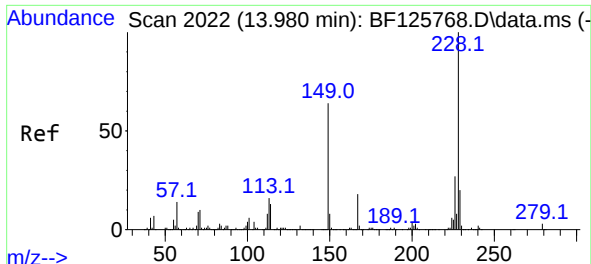


#79
Terphenyl-d14
Concen: 11.09 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

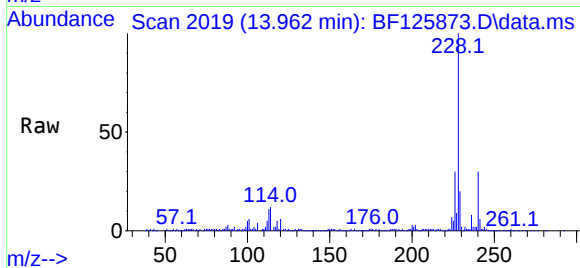
Tgt Ion:244 Resp: 243423

Ion	Ratio	Lower	Upper
244	100		
212	5.8	5.9	8.9#
122	10.3	9.0	13.4

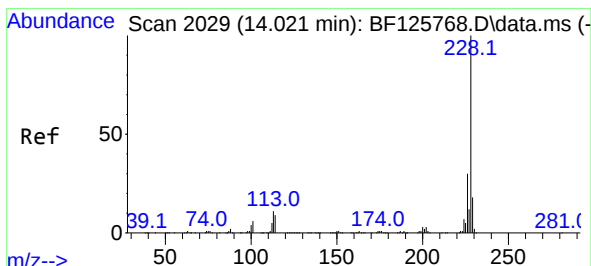
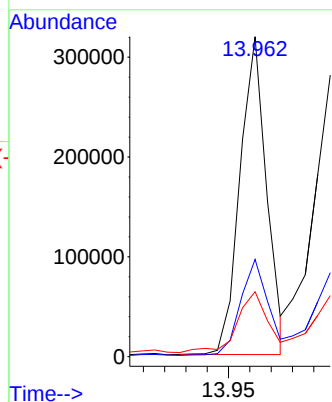
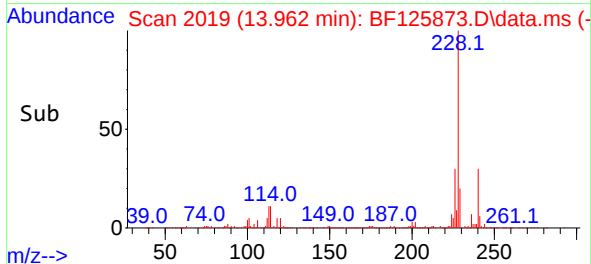




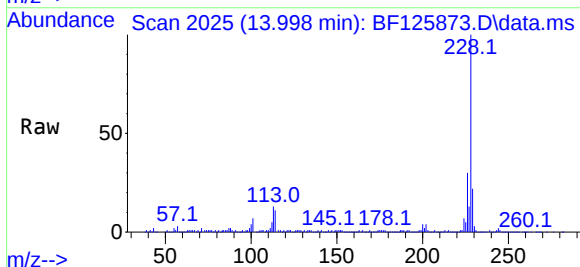
#81
Benzo(a)anthracene
Concen: 12.76 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



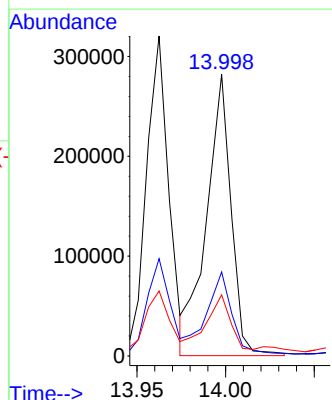
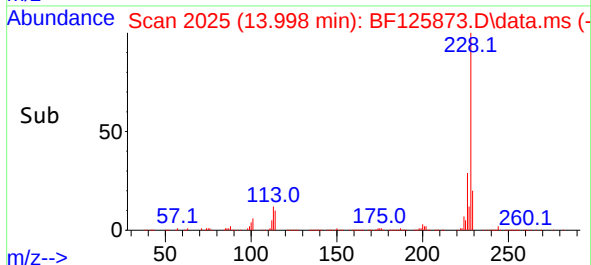
Tgt Ion:228 Resp: 276919
Ion Ratio Lower Upper
228 100
226 30.4 21.6 32.4
229 20.3 15.6 23.4



#83
Chrysene
Concen: 12.74 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



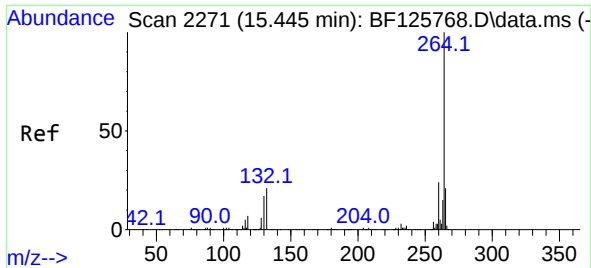
Tgt Ion:228 Resp: 273131
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.7 15.9 23.9



Instrument :
BNA_F
ClientSampleId :
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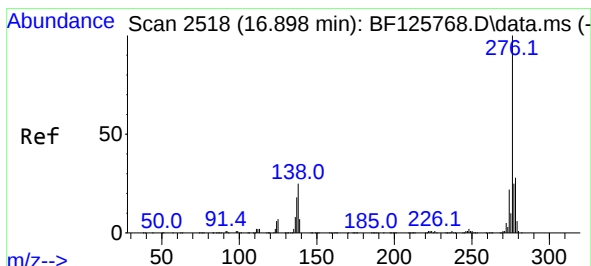
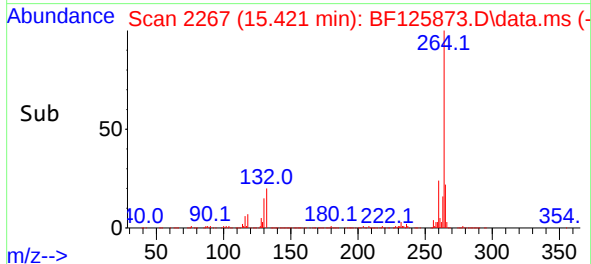
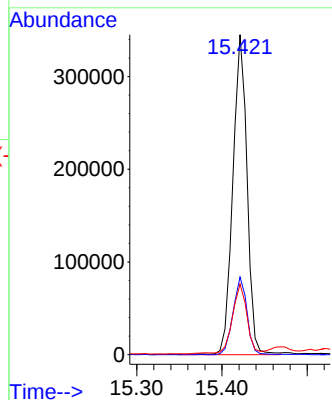
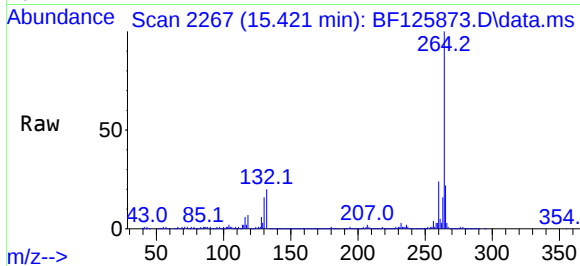
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:	264	Resp:	399766
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.6	29.4
265	22.0	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
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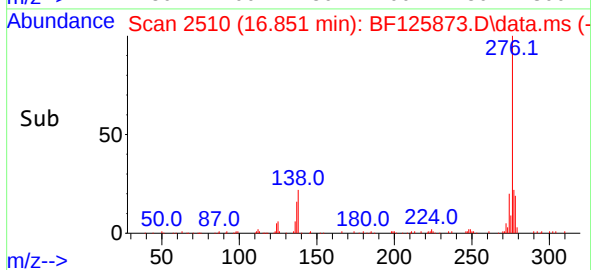
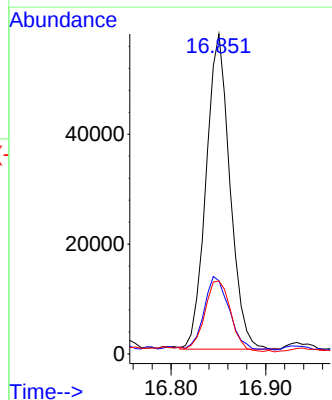
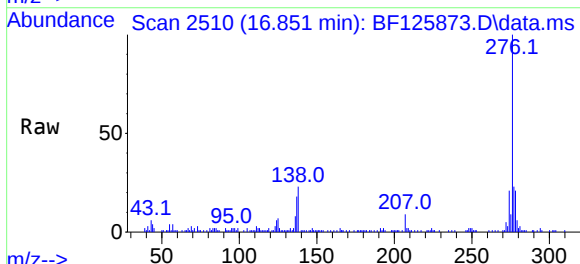
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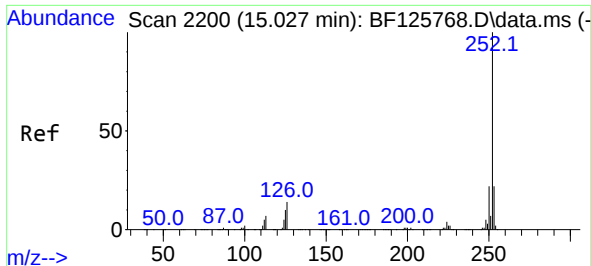
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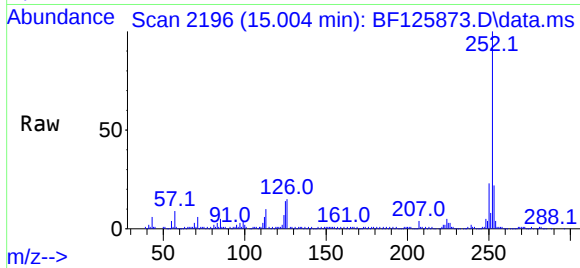
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.29 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03

Tgt Ion:	276	Resp:	100338
Ion Ratio	Lower	Upper	
276	100		
138	24.5	24.1	36.1
277	24.2	18.8	28.2

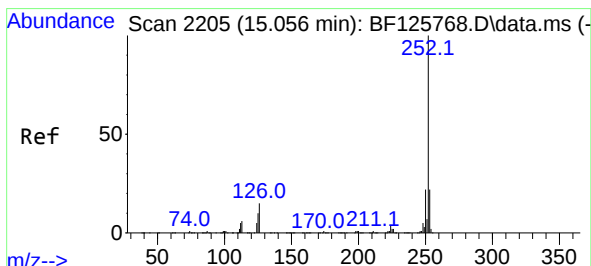
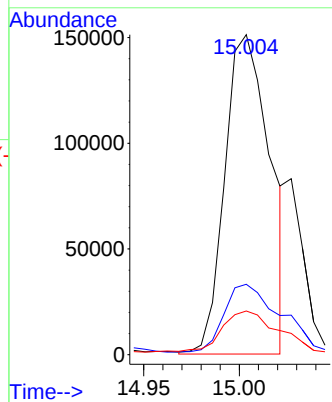
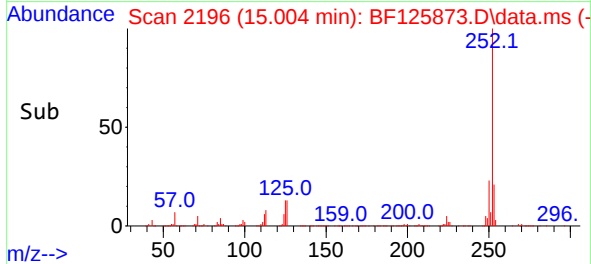




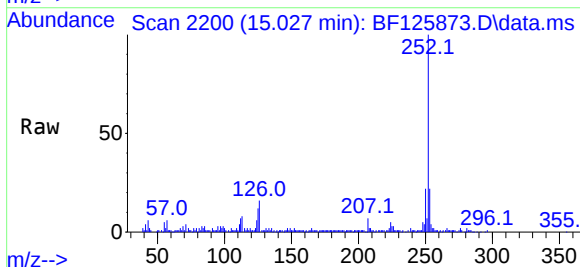
#88
Benzo(b)fluoranthene
Concen: 11.04 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



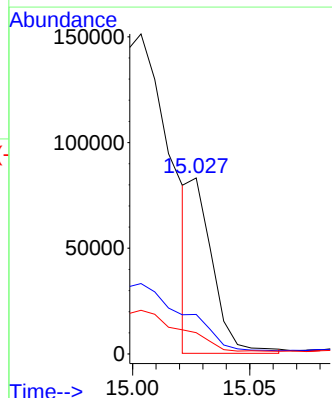
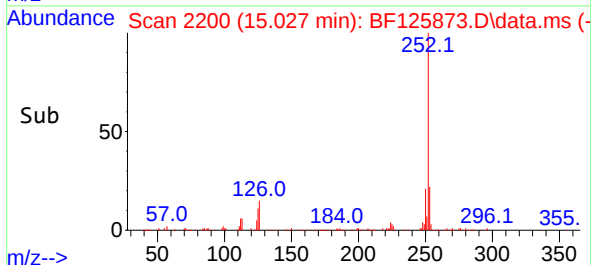
Tgt Ion:252 Resp: 249140
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 13.7 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 2.42 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



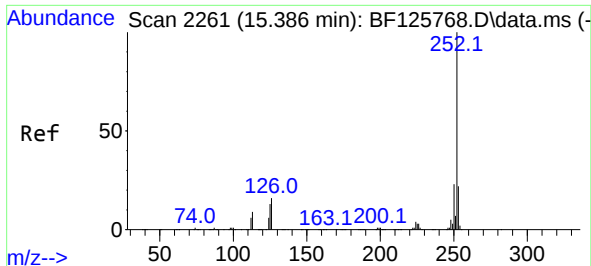
Tgt Ion:252 Resp: 56128
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 12.1 7.2 10.8#



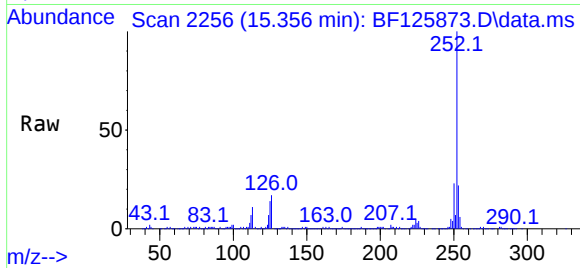
Instrument :
BNA_F
ClientSampleId :
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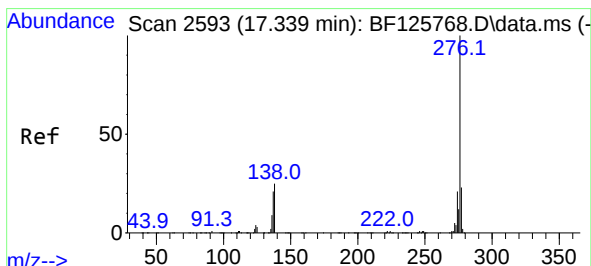
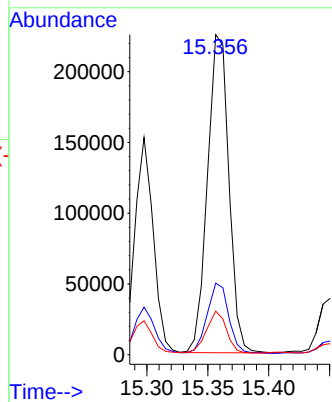
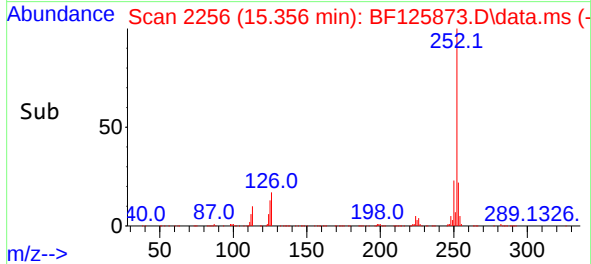
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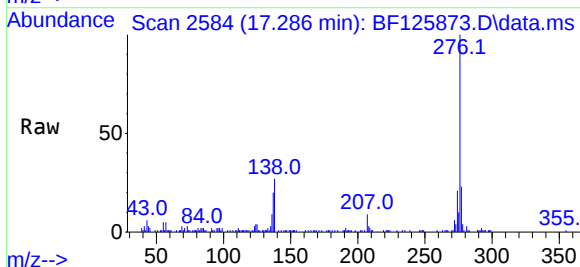
#90
Benzo(a)pyrene
Concen: 13.74 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



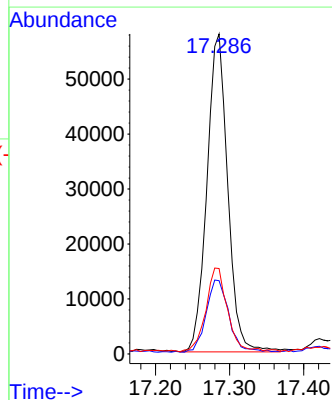
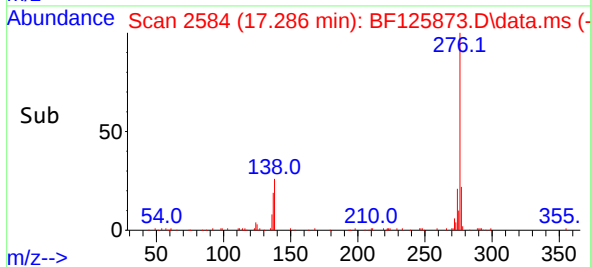
Tgt Ion:252 Resp: 274572
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 13.6 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 4.39 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.012 min
Lab File: BF125873.D
Acq: 18 Oct 2021 13:03



Tgt Ion:276 Resp: 112737
Ion Ratio Lower Upper
276 100
277 22.9 22.0 33.0
138 26.7 22.2 33.4



Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILEDL

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