

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125904.D
 Acq On : 19 Oct 2021 17:23
 Operator : JU/CG
 Sample : M4274-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-CS

Manual Integrations
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Quant Time: Oct 20 09:28:18 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	140952	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	576625	20.00	ng	# 0.00
39) Acenaphthene-d10	9.857	164	292973	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	437248	20.00	ng	0.00
76) Chrysene-d12	13.974	240	347479	20.00	ng	0.00
86) Perylene-d12	15.421	264	281528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	824479	95.56	ng	0.00
7) Phenol-d6	6.451	99	1002350	90.24	ng	0.00
23) Nitrobenzene-d5	7.381	82	575936	62.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	237275	82.03	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1141893	67.23	ng	0.00
79) Terphenyl-d14	12.921	244	987146	43.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	91709	3.29	ng	99
37) 2-Methylnaphthalene	8.816	142	60096	3.33	ng	99
38) 1-Methylnaphthalene	8.916	142	45719	2.61	ng	92
52) Acenaphthene	9.886	154	34492	2.16	ng	98
58) Fluorene	10.398	166	76722	4.37	ng	99
71) Phenanthrene	11.363	178	532091	22.74	ng	99
72) Anthracene	11.410	178	139762	5.98	ng	99
75) Fluoranthene	12.551	202	526398	24.94	ng	99
78) Pyrene	12.774	202	540908	15.32	ng	96
81) Benzo(a)anthracene	13.963	228	201858	8.95	ng	98
83) Chrysene	13.998	228	199411m	8.95	ng	
87) Indeno(1,2,3-cd)pyrene	16.856	276	78614	3.66	ng	95
88) Benzo(b)fluoranthene	15.004	252	229502m	14.44	ng	
89) Benzo(k)fluoranthene	15.027	252	59824m	3.67	ng	
90) Benzo(a)pyrene	15.357	252	155058	11.02	ng	# 95
92) Benzo(g,h,i)perylene	17.286	276	70963	3.92	ng	98

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

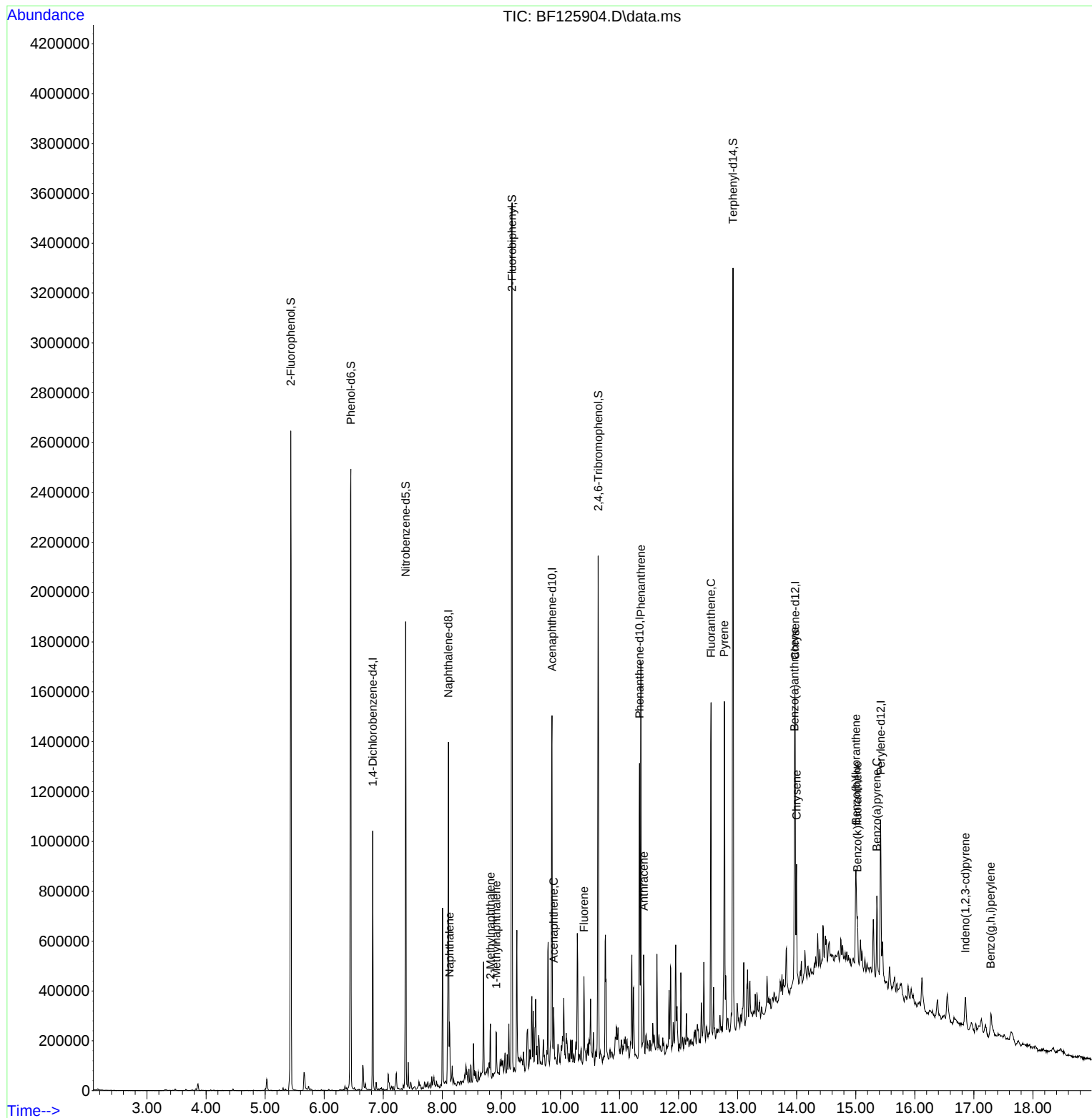
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
Data File : BF125904.D
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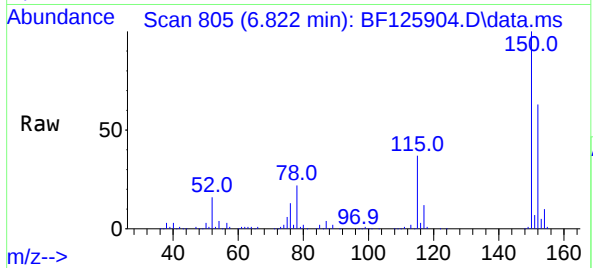
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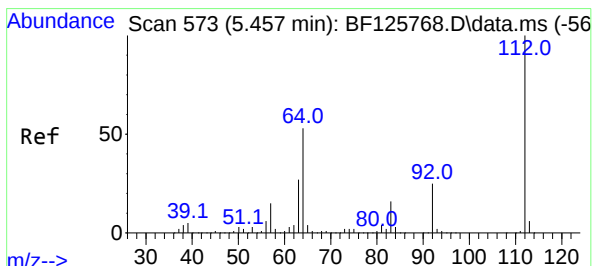
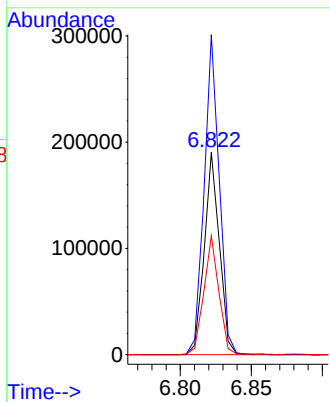
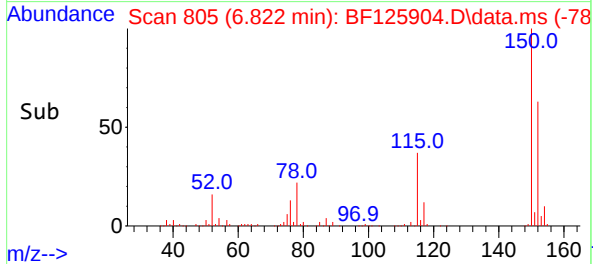




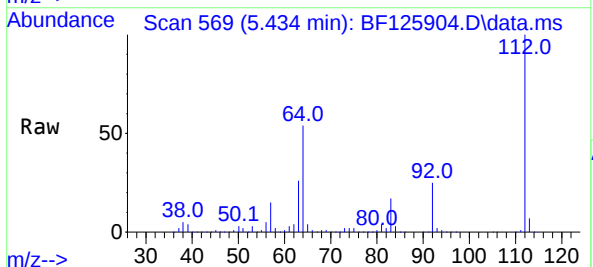
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



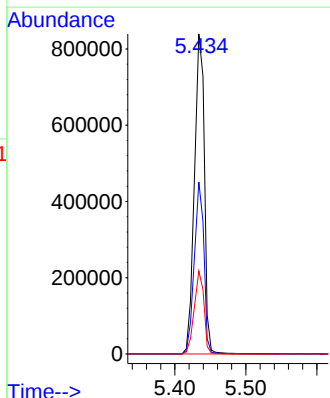
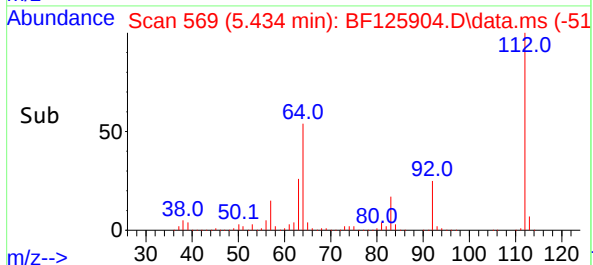
Tgt Ion:152 Resp: 140952
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 58.7 47.1 70.7



#5
2-Fluorophenol
Concen: 95.56 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



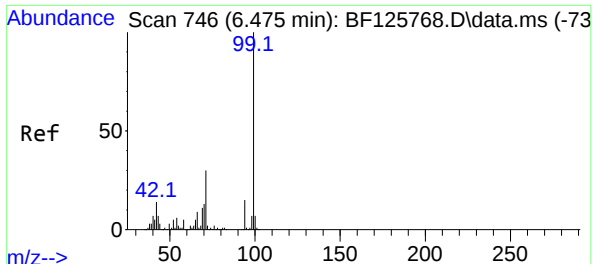
Tgt Ion:112 Resp: 824479
Ion Ratio Lower Upper
112 100
64 53.7 44.2 66.2
63 25.9 26.2 39.2#



Instrument :
BNA_F
ClientSampled :
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#7
Phenol-d6
Concen: 90.24 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

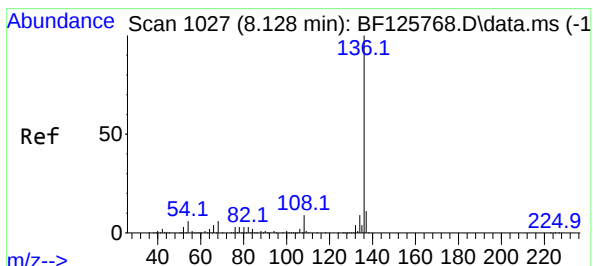
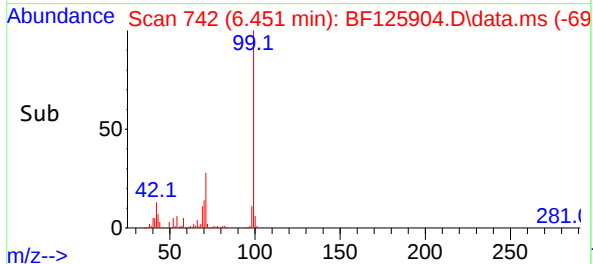
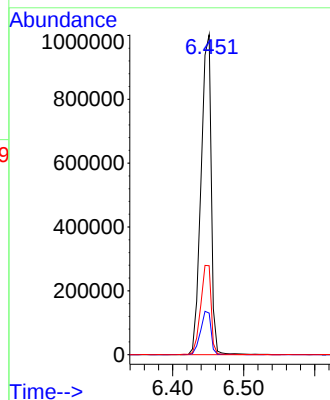
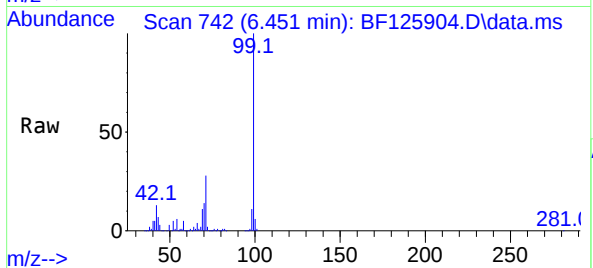
Tgt Ion: 99 Resp: 1002350

Ion	Ratio	Lower	Upper
99	100		
42	13.0	23.5	35.3#
71	27.8	25.6	38.4

Instrument :
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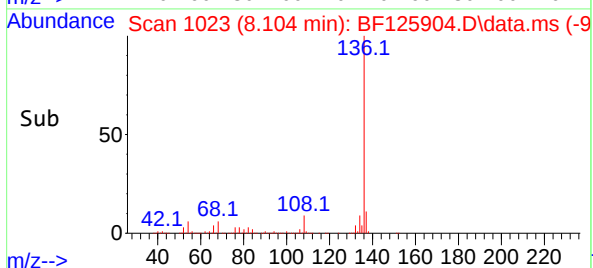
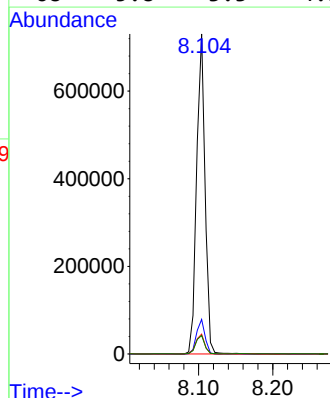
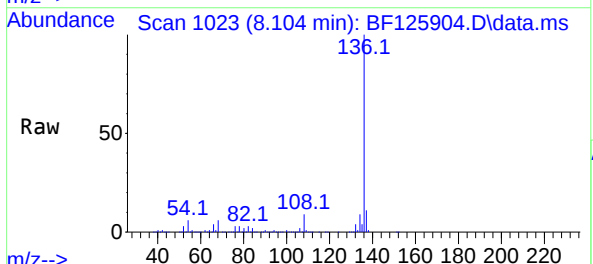
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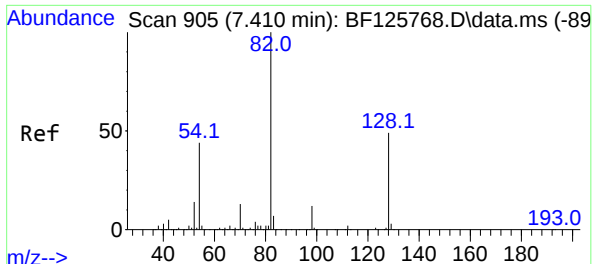


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion: 136 Resp: 576625

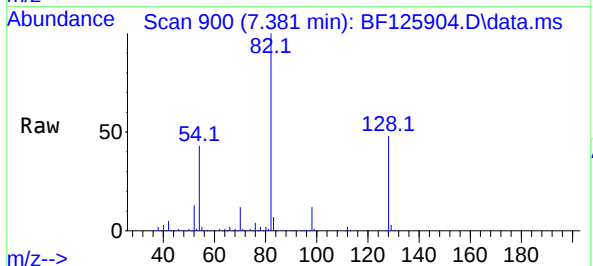
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	6.2	6.4	9.6#
68	5.8	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 62.09 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

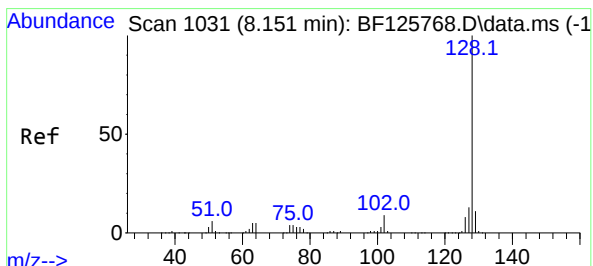
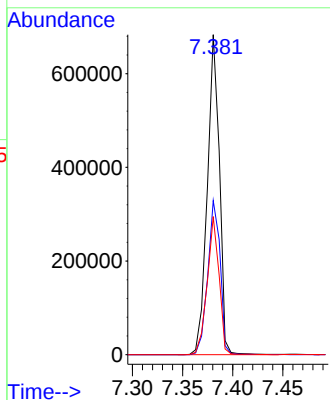
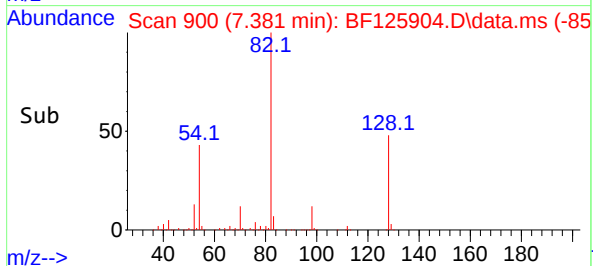
Instrument :
BNA_F
ClientSampled :
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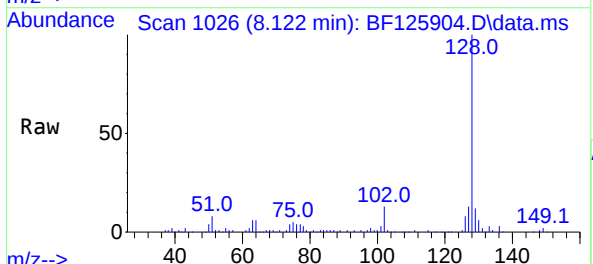
Tgt Ion: 82 Resp: 575936
Ion Ratio Lower Upper
82 100
128 48.1 40.6 60.8
54 43.2 49.6 74.4#

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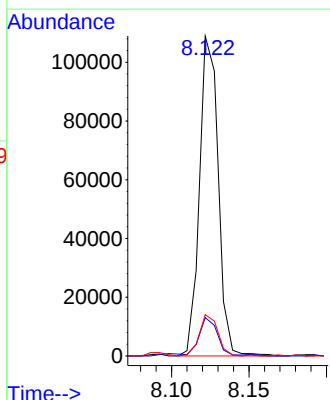
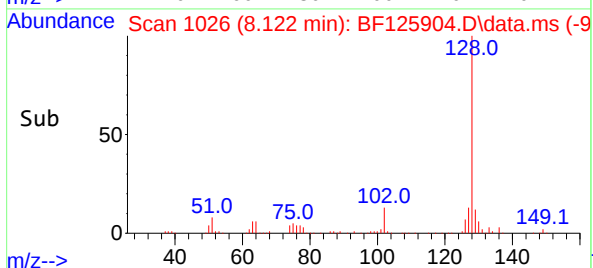
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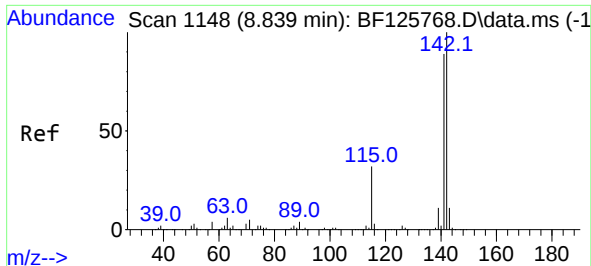


#31
Naphthalene
Concen: 3.29 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



Tgt Ion: 128 Resp: 91709
Ion Ratio Lower Upper
128 100
129 12.0 9.4 14.0
127 12.9 10.9 16.3





#37

2-Methylnaphthalene

Concen: 3.33 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF125904.D

Acq: 19 Oct 2021 17:23

Tgt Ion:142 Resp: 60096

Ion Ratio Lower Upper

142 100

141 89.6 71.2 106.8

Instrument :

BNA_F

ClientSampled :

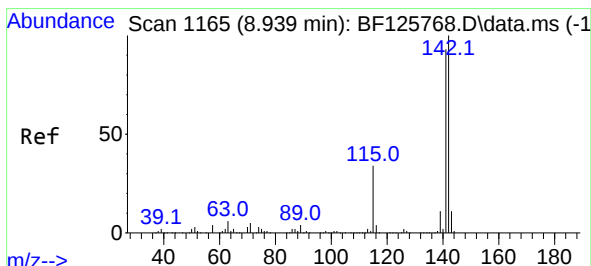
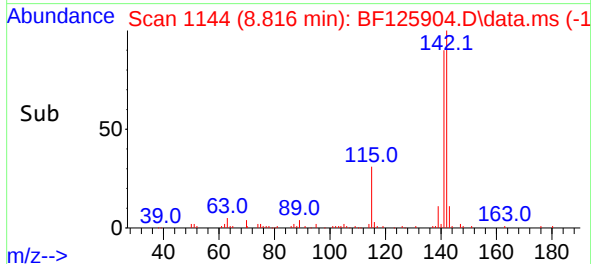
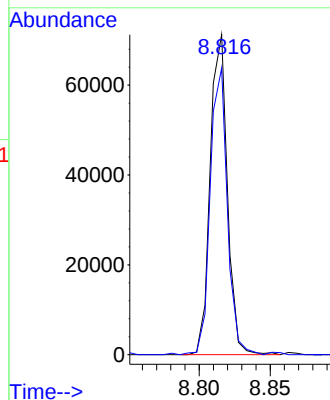
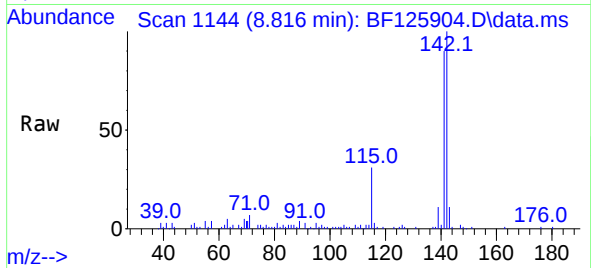
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#38

1-Methylnaphthalene

Concen: 2.61 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF125904.D

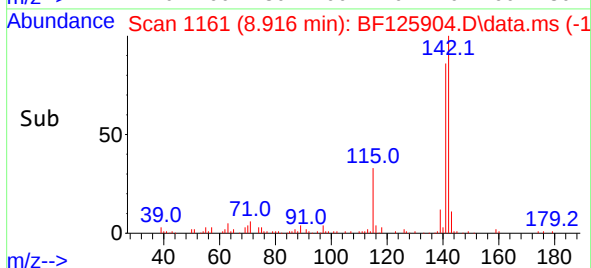
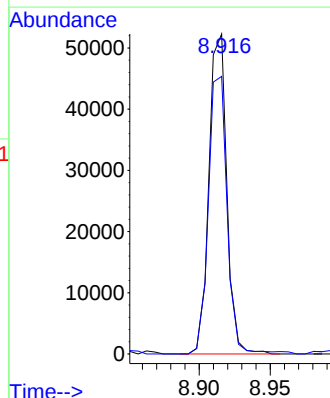
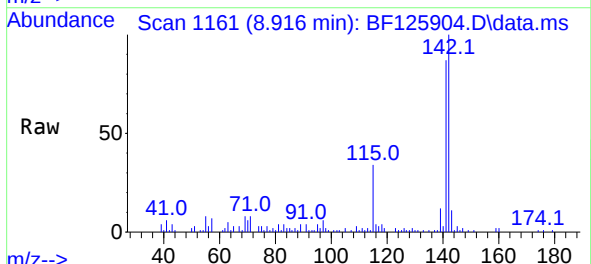
Acq: 19 Oct 2021 17:23

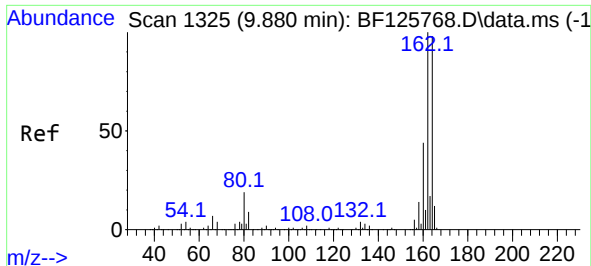
Tgt Ion:142 Resp: 45719

Ion Ratio Lower Upper

142 100

141 86.8 76.0 114.0





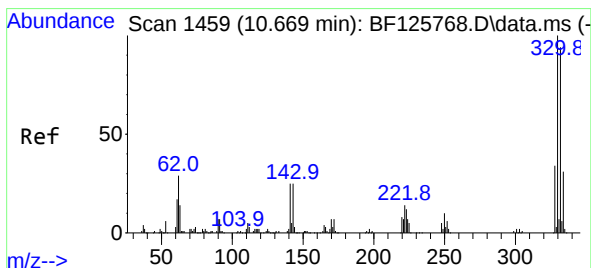
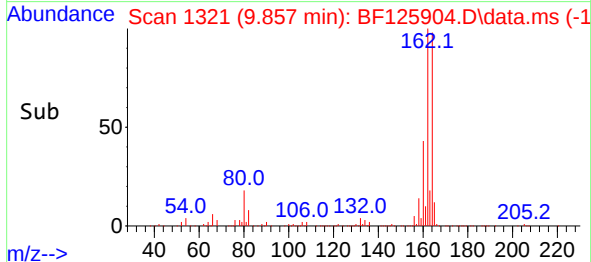
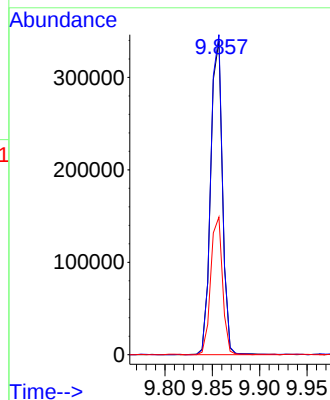
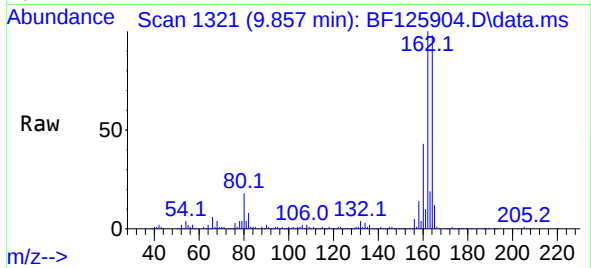
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:164 Resp: 292973
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 43.9 38.0 57.0

Instrument :
BNA_F
ClientSampleId :
WC-2-CS

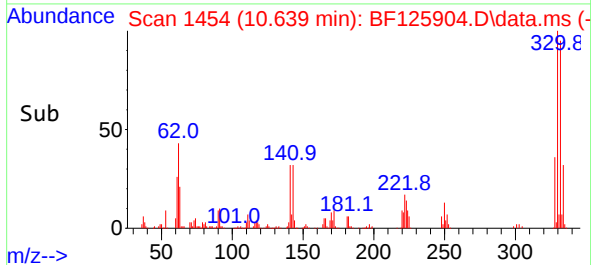
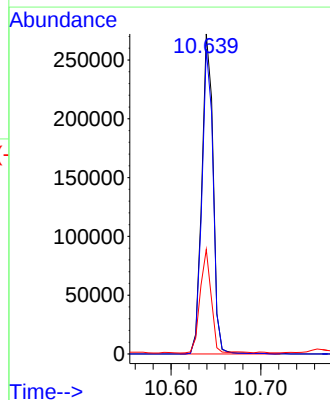
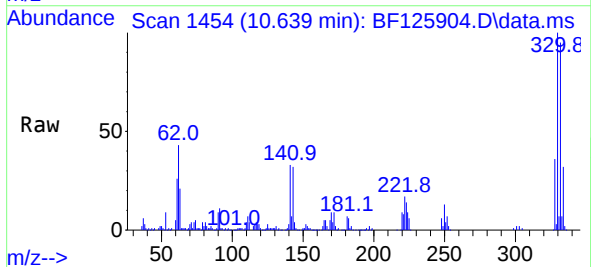
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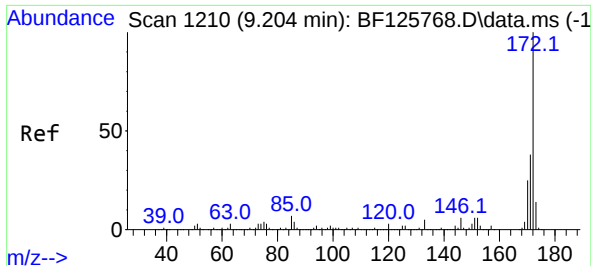
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#42
2,4,6-Tribromophenol
Concen: 82.03 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:330 Resp: 237275
Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 31.4 44.6 66.8#





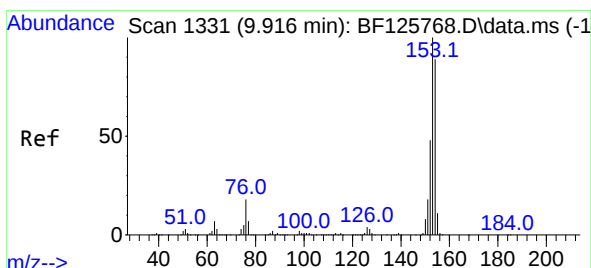
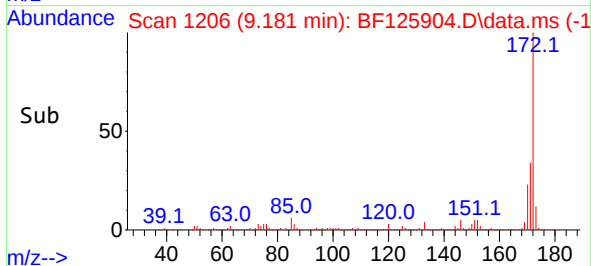
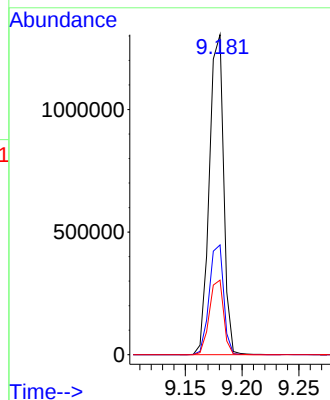
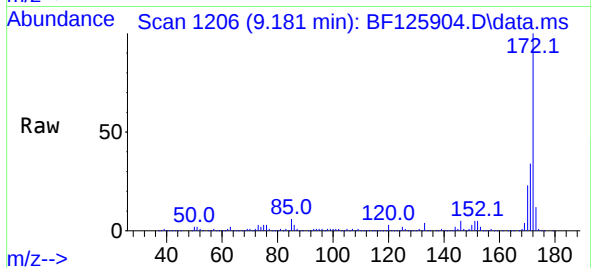
#45
2-Fluorobiphenyl
Concen: 67.23 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Instrument :
BNA_F
ClientSampled :
WC-2-CS

Tgt Ion:172 Resp: 1141893
Ion Ratio Lower Upper
172 100
171 34.3 26.5 39.7
170 23.3 18.8 28.2

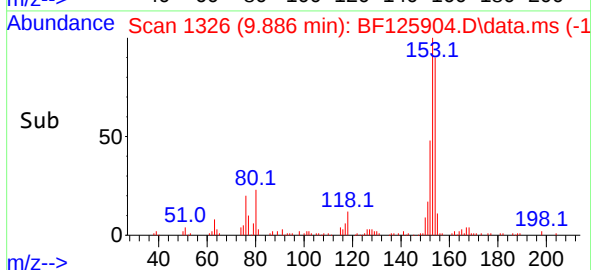
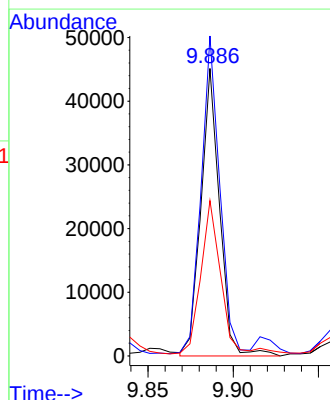
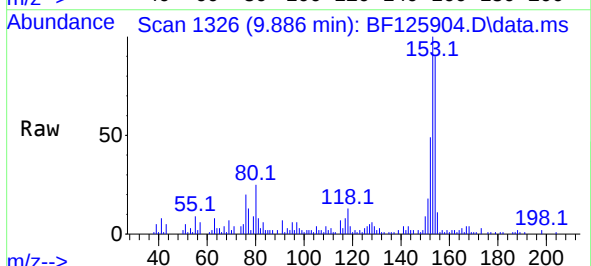
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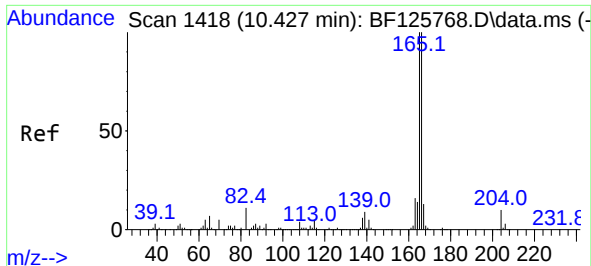
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#52
Acenaphthene
Concen: 2.16 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

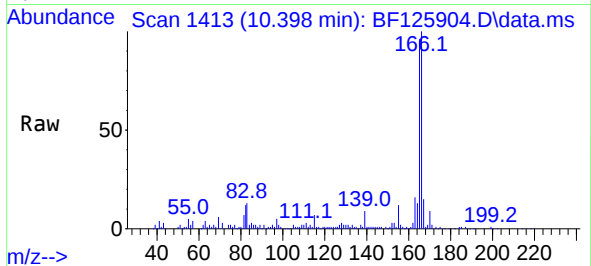
Tgt Ion:154 Resp: 34492
Ion Ratio Lower Upper
154 100
153 111.3 89.4 134.2
152 54.0 40.5 60.7





#58
Fluorene
Concen: 4.37 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

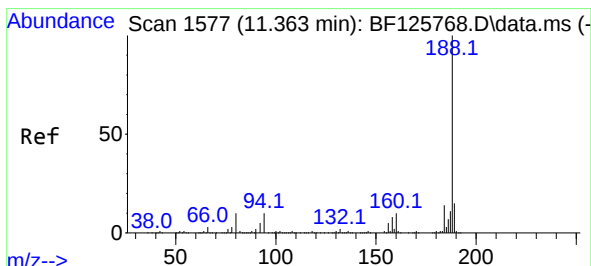
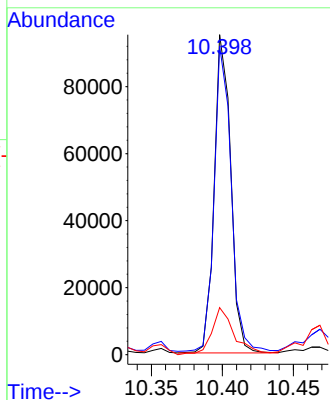
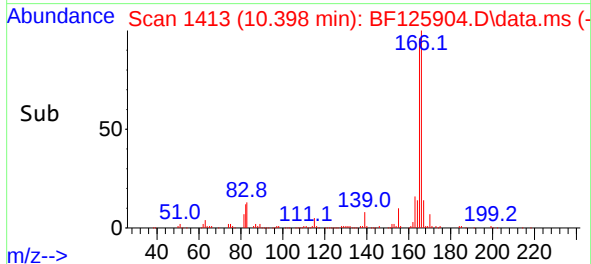
Instrument :
BNA_F
ClientSampled :
WC-2-CS



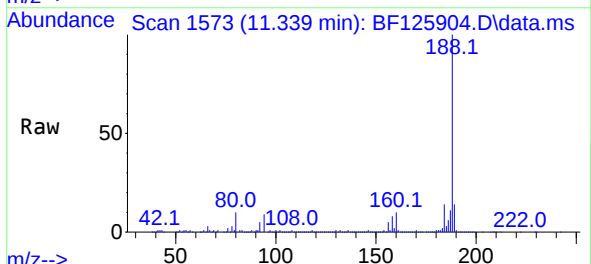
Tgt Ion:166 Resp: 76722
Ion Ratio Lower Upper
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165 96.5 78.1 117.1
167 14.7 11.1 16.7

Manual Integrations
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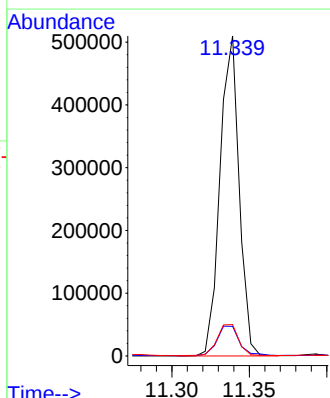
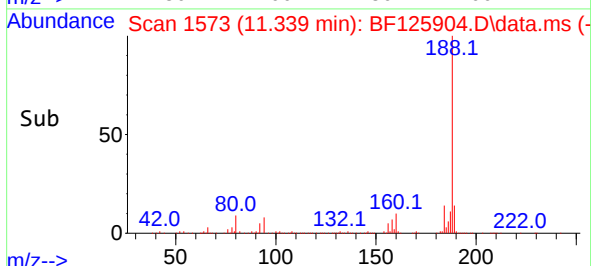
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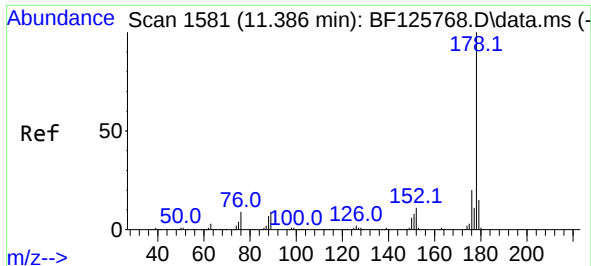


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



Tgt Ion:188 Resp: 437248
Ion Ratio Lower Upper
188 100
94 9.3 6.7 10.1
80 9.8 7.5 11.3





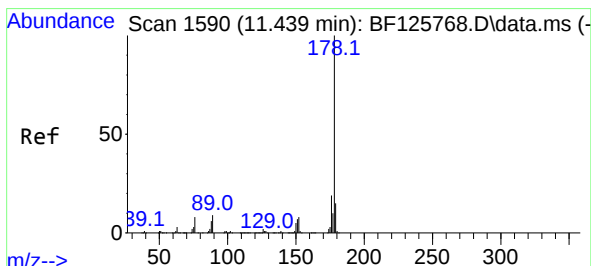
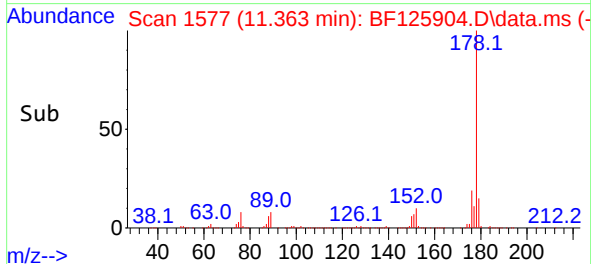
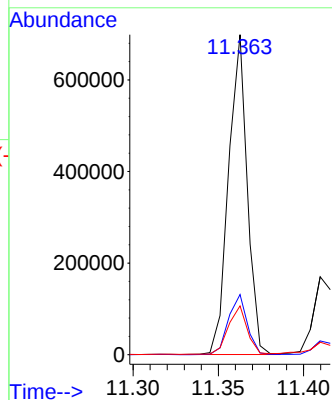
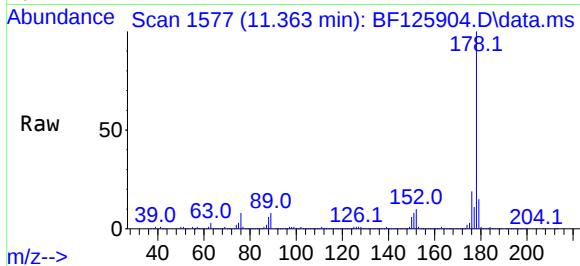
#71
Phenanthrene
Concen: 22.74 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:178 Resp: 532091
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.3 11.5 17.3

Instrument :
BNA_F
ClientSampled :
WC-2-CS

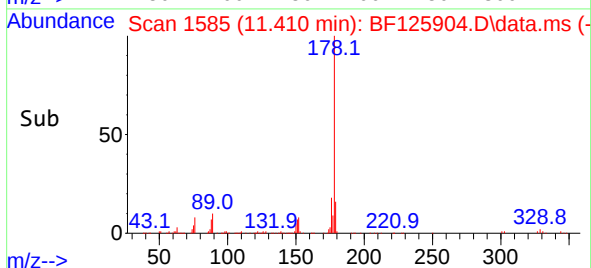
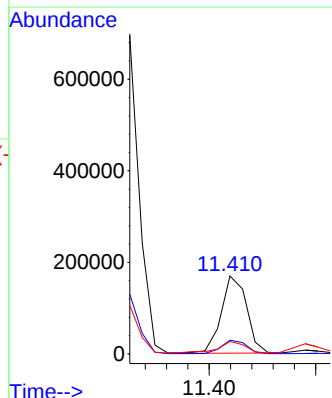
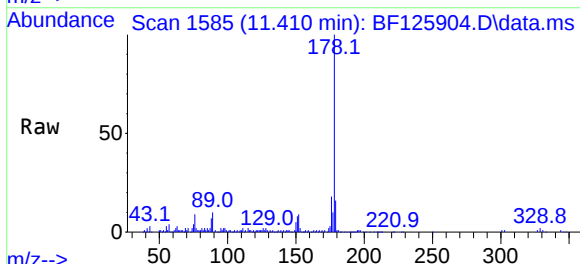
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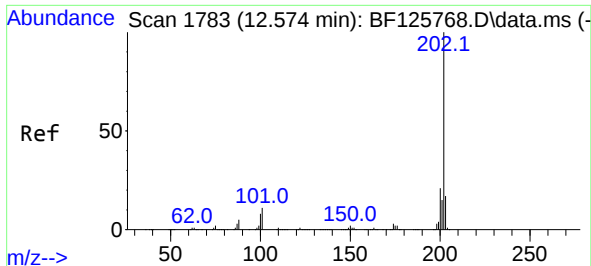
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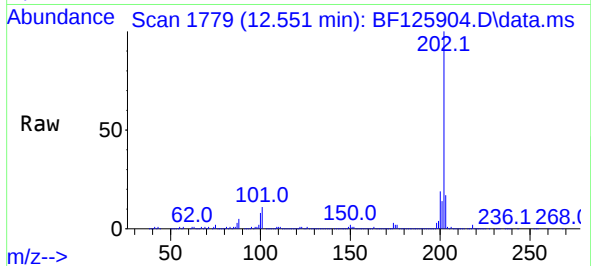
#72
Anthracene
Concen: 5.98 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:178 Resp: 139762
Ion Ratio Lower Upper
178 100
176 17.6 14.3 21.5
179 16.1 12.2 18.4

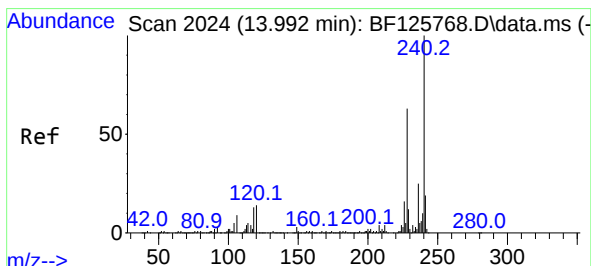
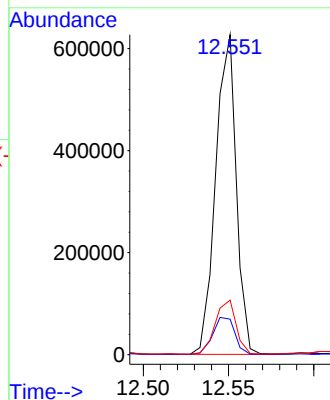
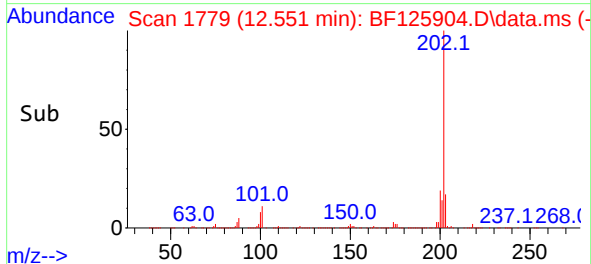




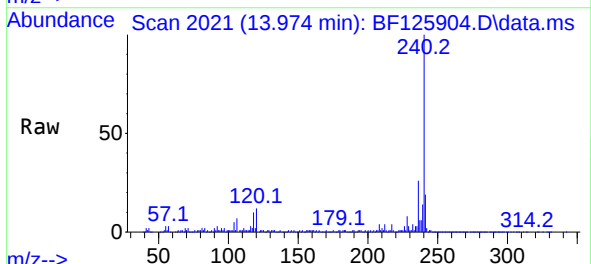
#75
Fluoranthene
Concen: 24.94 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



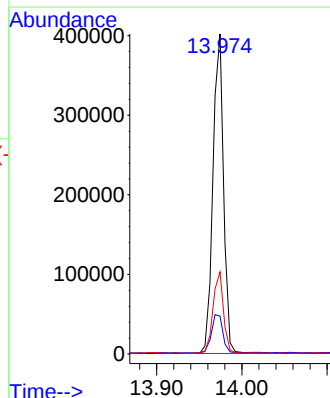
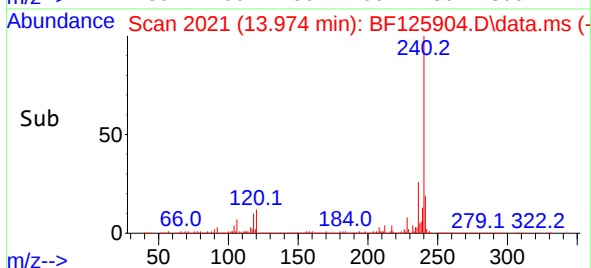
Tgt Ion:202 Resp: 526398
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.7
203 17.0 0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



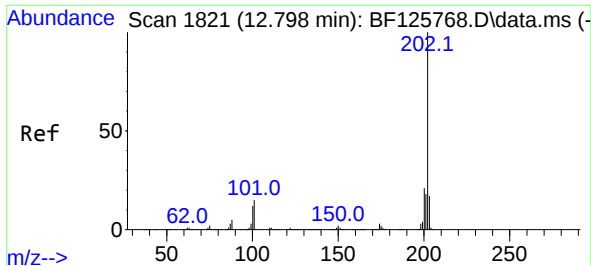
Tgt Ion:240 Resp: 347479
Ion Ratio Lower Upper
240 100
120 11.8 10.8 16.2
236 25.7 21.6 32.4



Instrument :
BNA_F
ClientSampled :
WC-2-CS

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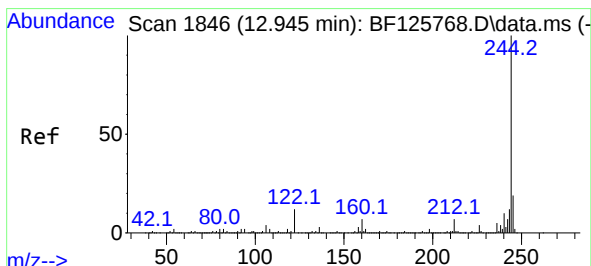
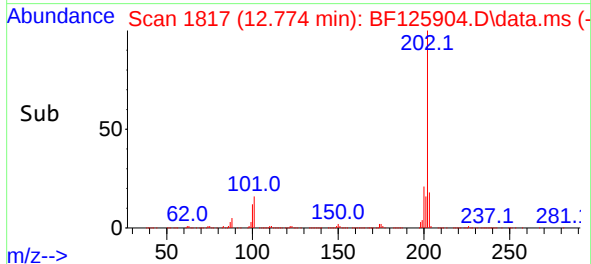
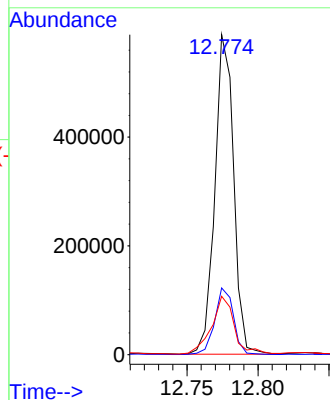
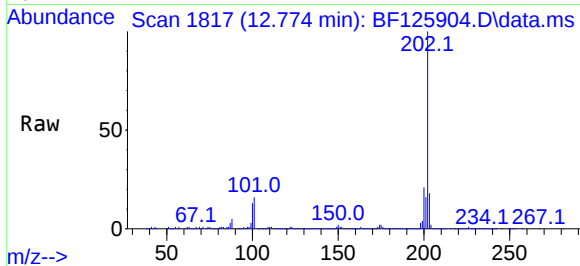
#78
Pyrene
Concen: 15.32 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:	202	Resp:	540908
Ion Ratio	Lower	Upper	
202	100		
200	20.8	15.3	22.9
203	18.3	13.4	20.0

Instrument :
BNA_F
ClientSampled :
WC-2-CS

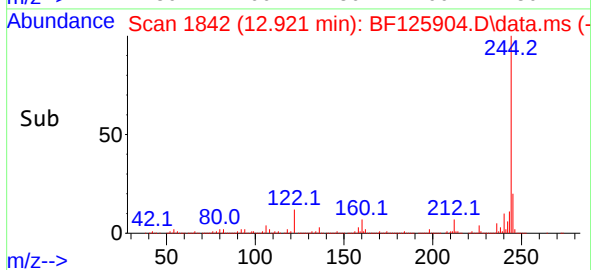
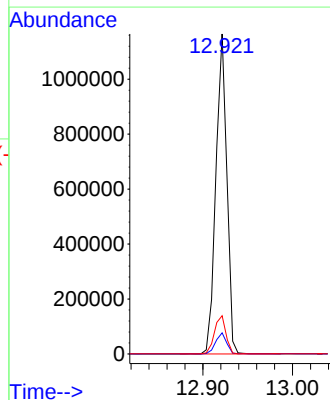
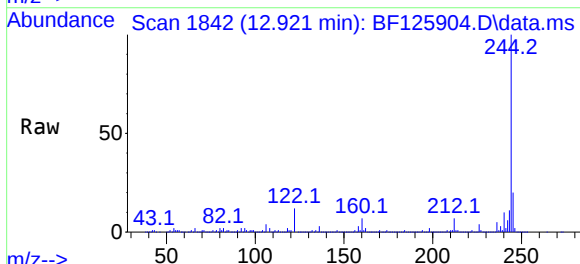
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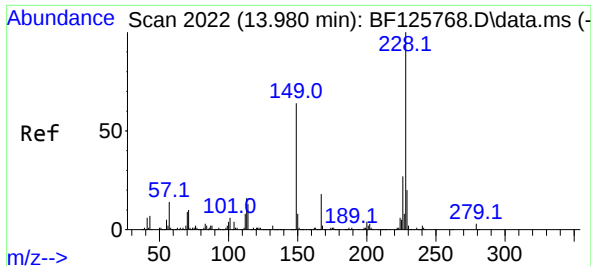
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#79
Terphenyl-d14
Concen: 43.27 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:	244	Resp:	987146
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.9	8.9
122	11.9	9.0	13.4





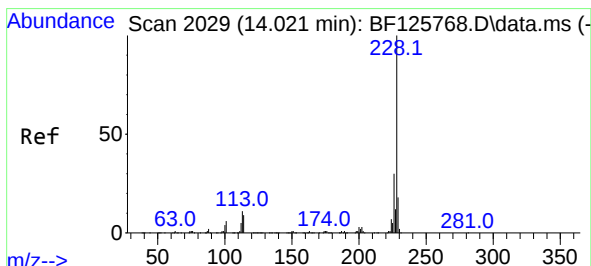
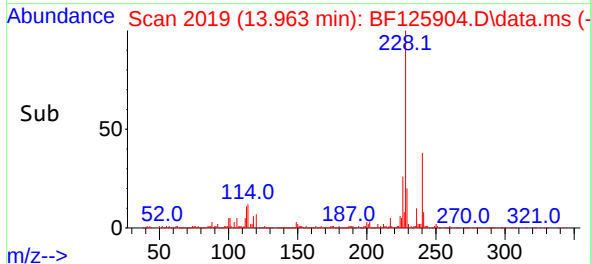
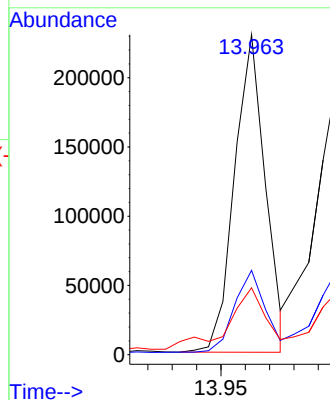
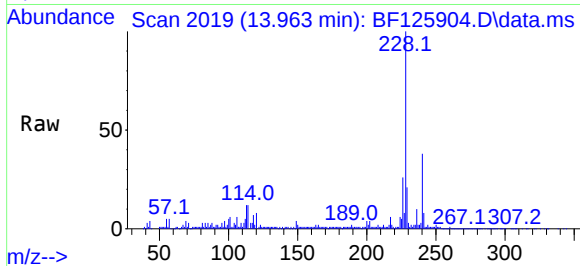
#81
Benzo(a)anthracene
Concen: 8.95 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:228 Resp: 201858
Ion Ratio Lower Upper
228 100
226 26.3 21.6 32.4
229 20.9 15.6 23.4

Instrument :
BNA_F
ClientSampled :
WC-2-CS

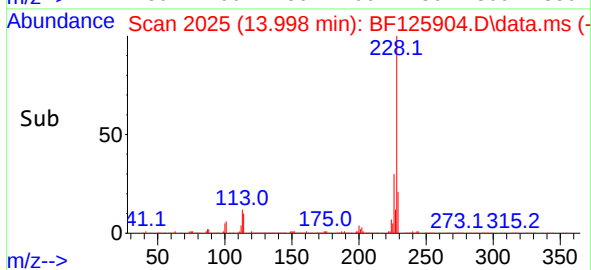
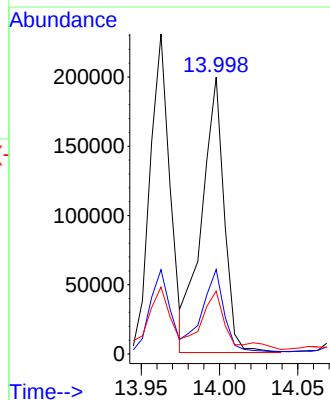
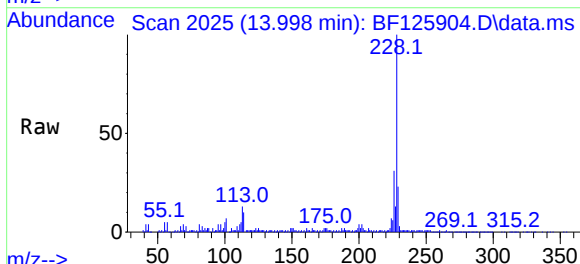
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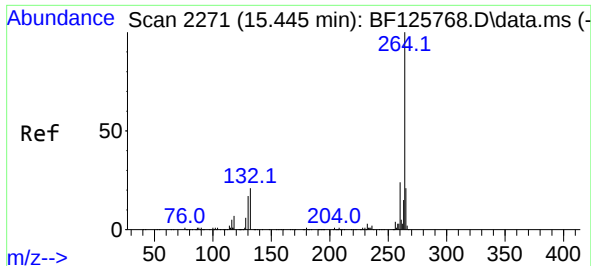
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#83
Chrysene
Concen: 8.95 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:228 Resp: 199411
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 22.7 15.9 23.9





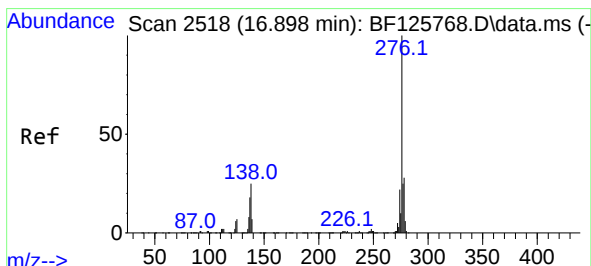
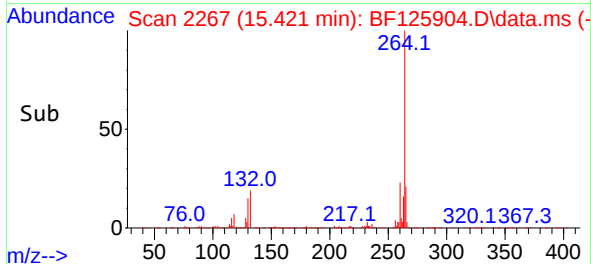
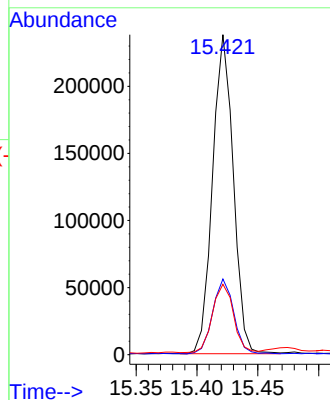
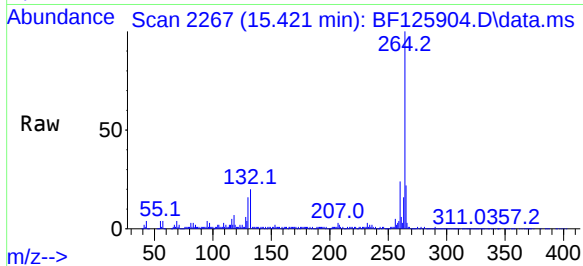
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:264 Resp: 281528
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.0 17.2 25.8

Instrument :
BNA_F
ClientSampled :
WC-2-CS

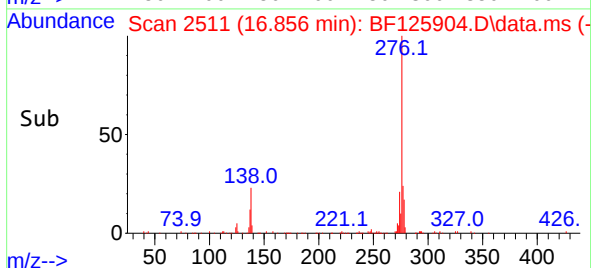
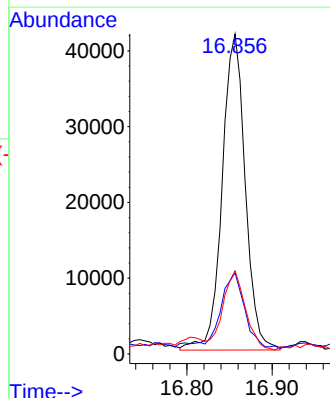
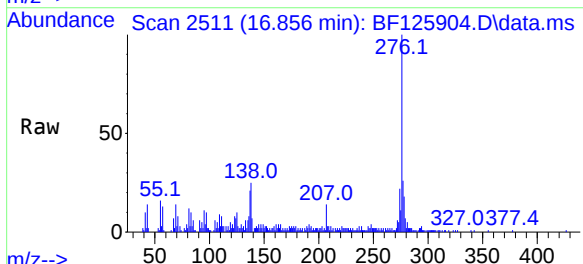
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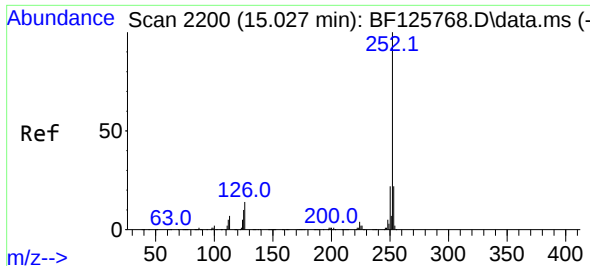
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#87
Indeno(1,2,3-cd)pyrene
Concen: 3.66 ng
RT: 16.856 min Scan# 2511
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:276 Resp: 78614
Ion Ratio Lower Upper
276 100
138 26.0 24.1 36.1
277 24.9 18.8 28.2





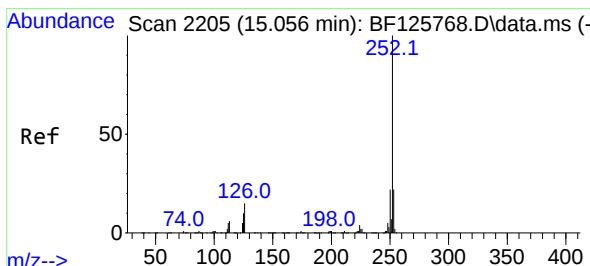
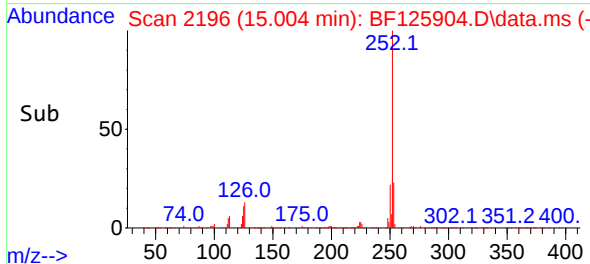
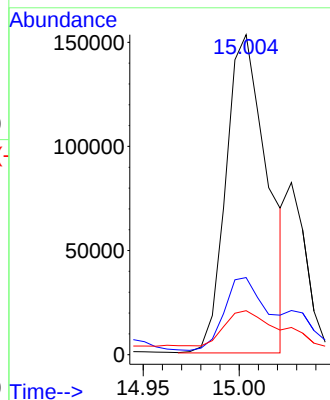
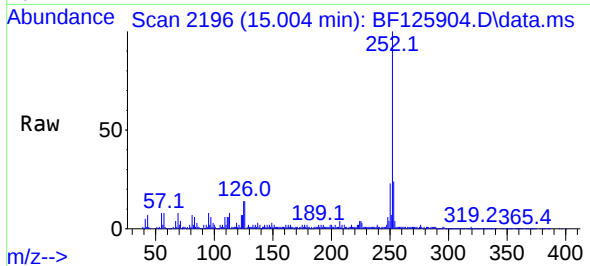
#88
Benzo(b)fluoranthene
Concen: 14.44 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:252 Resp: 229502
Ion Ratio Lower Upper
252 100
253 24.1 16.8 25.2
125 13.8 9.8 14.8

Instrument :
BNA_F
ClientSampled :
WC-2-CS

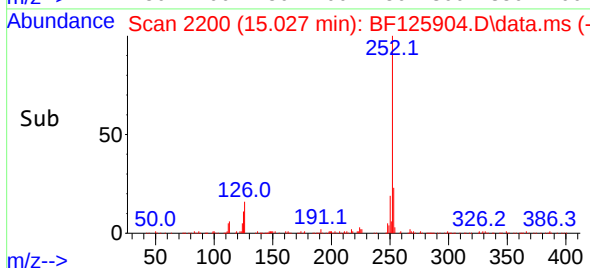
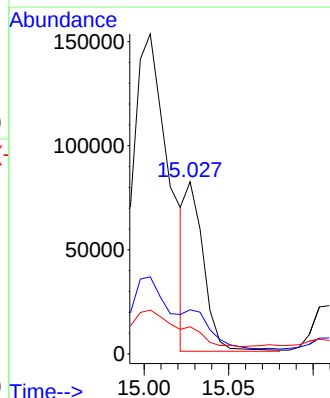
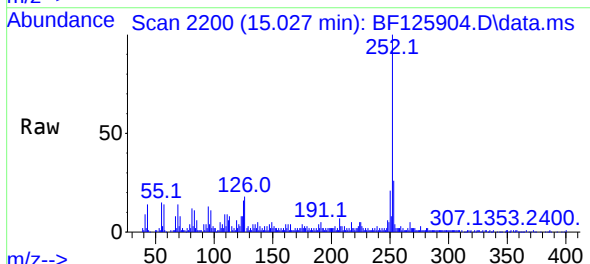
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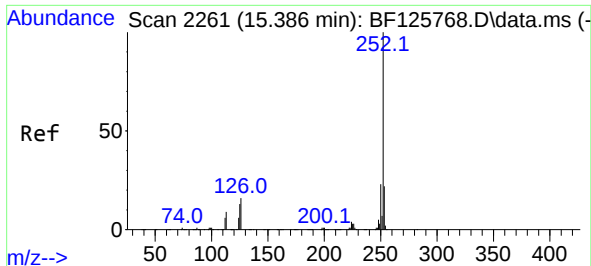
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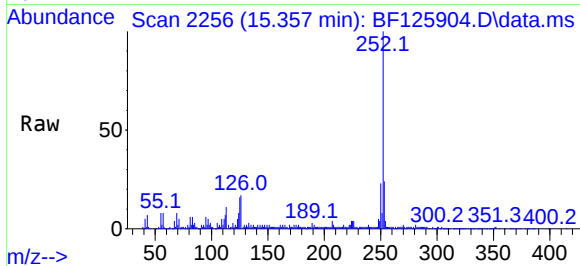
#89
Benzo(k)fluoranthene
Concen: 3.67 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:252 Resp: 59824
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 15.8 7.2 10.8#

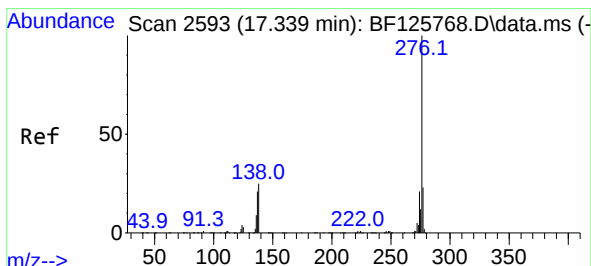
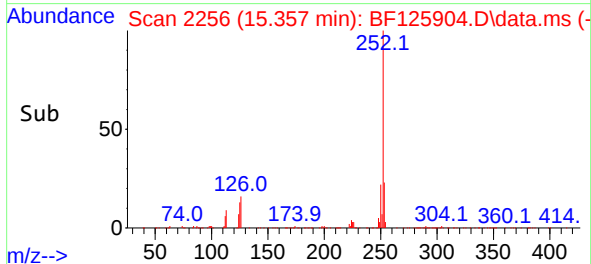
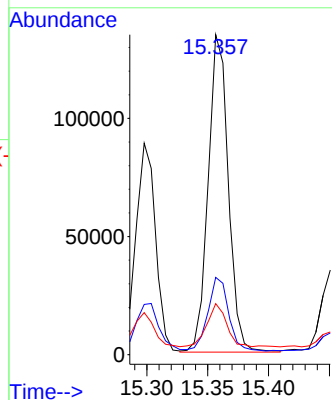




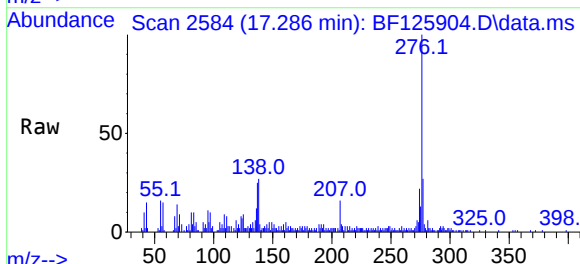
#90
Benzo(a)pyrene
Concen: 11.02 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



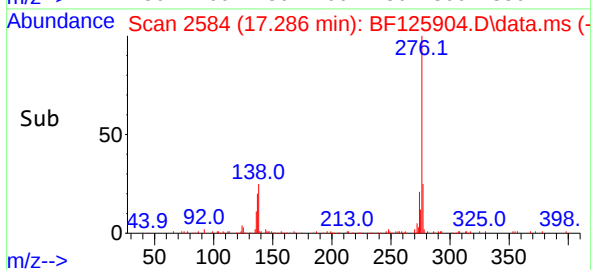
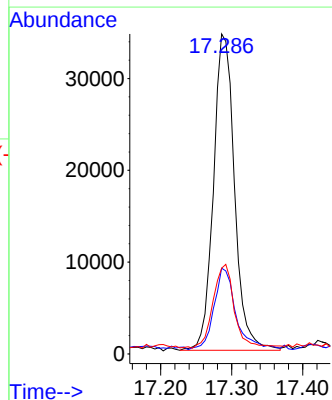
Tgt Ion:252 Resp: 155058
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 16.0 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 3.92 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23



Tgt Ion:276 Resp: 70963
Ion Ratio Lower Upper
276 100
277 26.8 22.0 33.0
138 26.8 22.2 33.4



Instrument :
BNA_F
ClientSampled :
WC-2-CS

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