

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125970.D
 Acq On : 27 Oct 2021 18:45
 Operator : JU/CG
 Sample : M4372-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7

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Quant Time: Oct 28 08:59:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	166099	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	560435	20.000	ng	#-0.01
39) Acenaphthene-d10	9.904	164	274726	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	513351	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	393753	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	431337	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1311780	117.636	ng	-0.01
7) Phenol-d6	6.481	99	1702578	111.318	ng	-0.01
23) Nitrobenzene-d5	7.416	82	1104753	101.822	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	326899	136.498	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1489972	95.910	ng	-0.01
79) Terphenyl-d14	12.968	244	1442157	59.910	ng	-0.01
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.804	122	35301	4.377	ng	# 1
31) Naphthalene	8.163	128	446516	15.669	ng	99
37) 2-Methylnaphthalene	8.863	142	768878	41.918	ng	92
38) 1-Methylnaphthalene	8.957	142	448300	25.323	ng	88
46) 1,1'-Biphenyl	9.322	154	87148	4.331	ng	96
49) Acenaphthylene	9.763	152	56627	2.471	ng	# 1
52) Acenaphthene	9.933	154	35498	2.383	ng	# 71
55) Dibenzofuran	10.104	168	60249	2.708	ng	# 1
58) Fluorene	10.451	166	89338	2.074	ng	# 81
71) Phenanthrene	11.410	178	336721	12.641	ng	# 91
75) Fluoranthene	12.615	202	241706	9.001	ng	97
78) Pyrene	12.821	202	218466	5.962	ng	96
81) Benzo(a)anthracene	14.004	228	92348	3.485	ng	98
83) Chrysene	14.039	228	120863m	4.508	ng	
87) Indeno(1,2,3-cd)pyrene	16.921	276	68848	2.216	ng	# 89
88) Benzo(b)fluoranthene	15.051	252	153940m	5.407	ng	
90) Benzo(a)pyrene	15.415	252	83179	3.619	ng	97
92) Benzo(g,h,i)perylene	17.356	276	62717	2.385	ng	# 90

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

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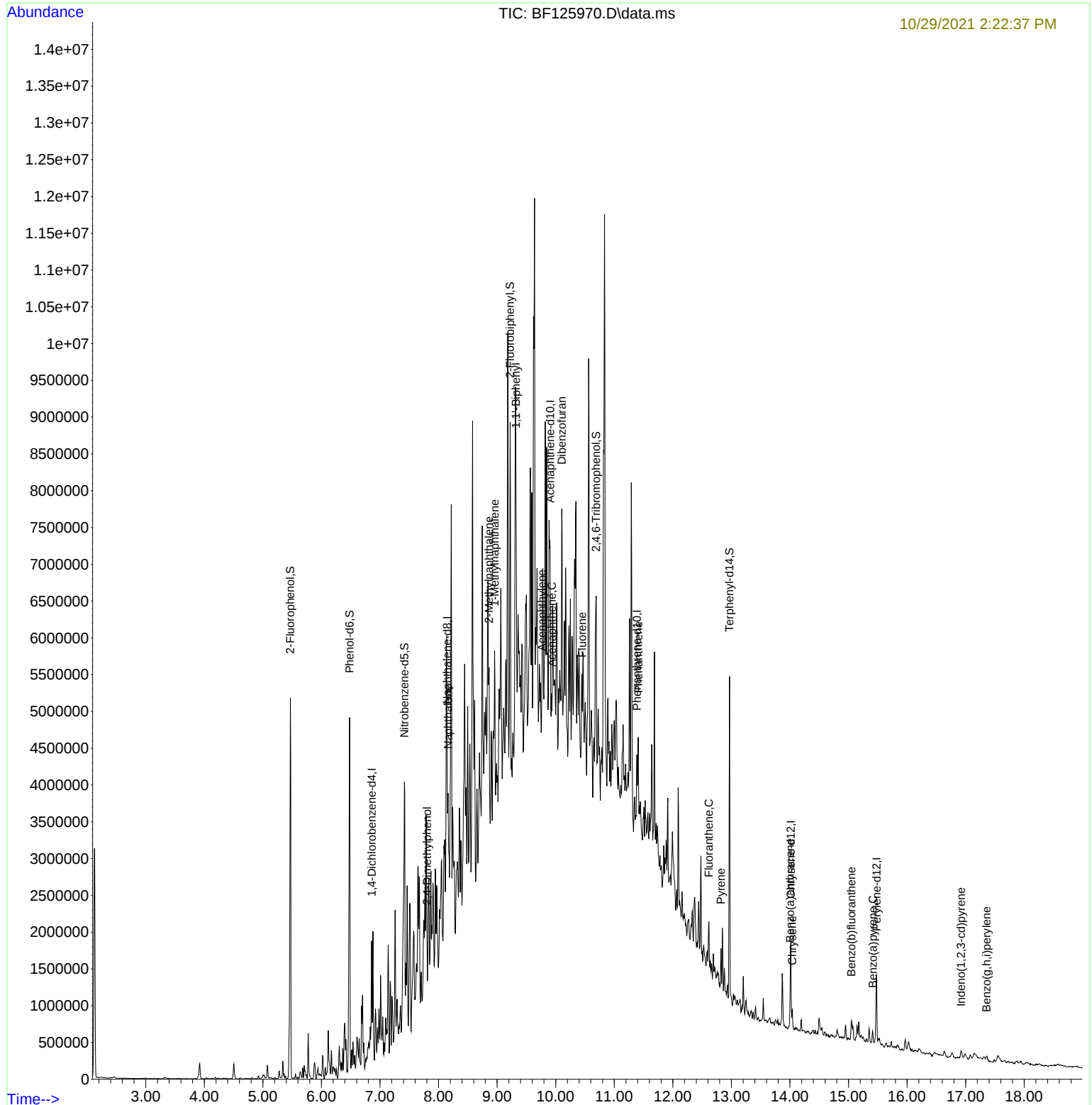
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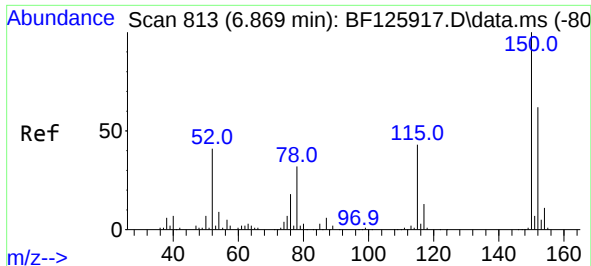
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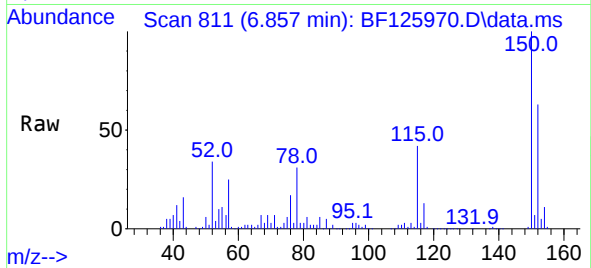
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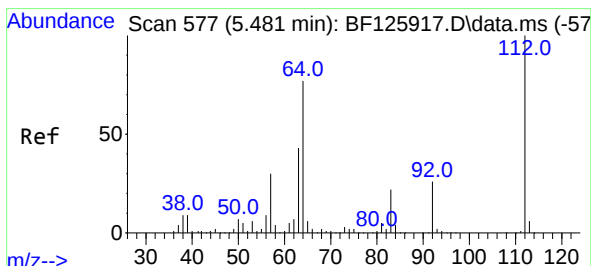
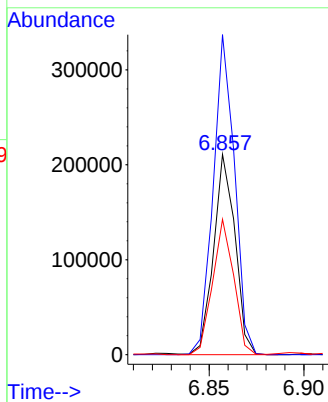
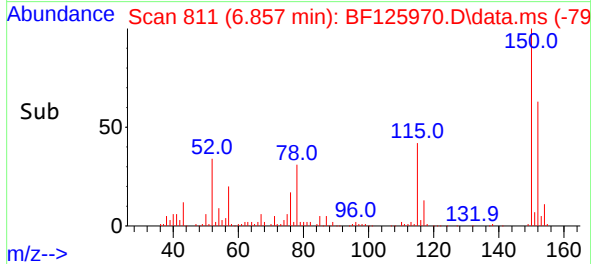




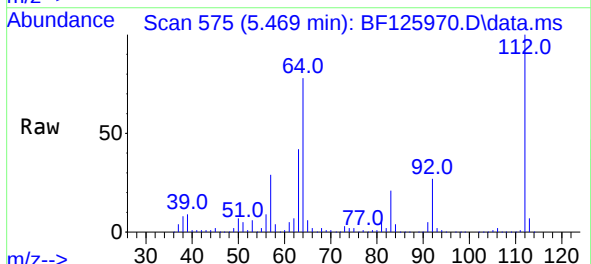
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



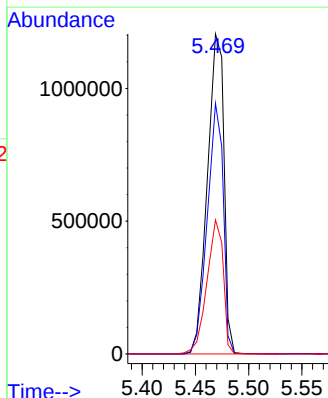
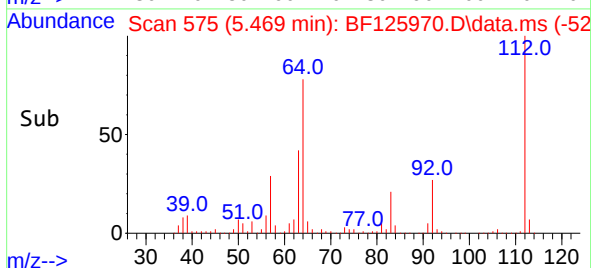
Tgt Ion:152 Resp: 166099
Ion Ratio Lower Upper
152 100
150 159.8 117.6 176.4
115 67.6 47.1 70.7



#5
2-Fluorophenol
Concen: 117.636 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion:112 Resp: 1311780
Ion Ratio Lower Upper
112 100
64 78.3 44.2 66.2#
63 41.9 26.2 39.2#



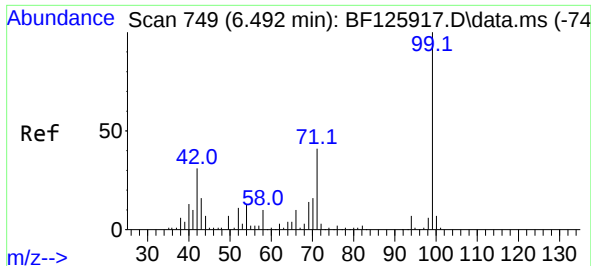
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#7
Phenol-d6
Concen: 111.318 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion: 99 Resp: 1702578

Ion	Ratio	Lower	Upper
99	100		
42	24.4	23.5	35.3
71	38.1	25.6	38.4

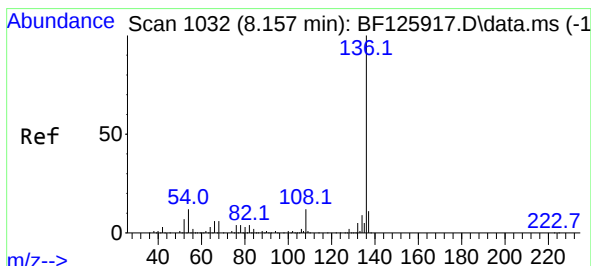
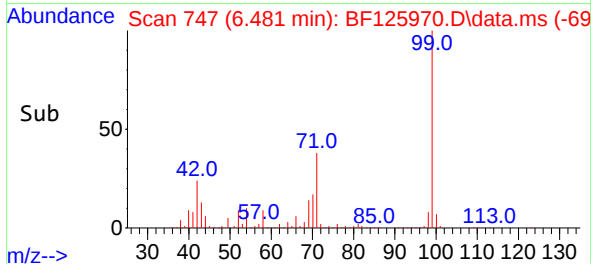
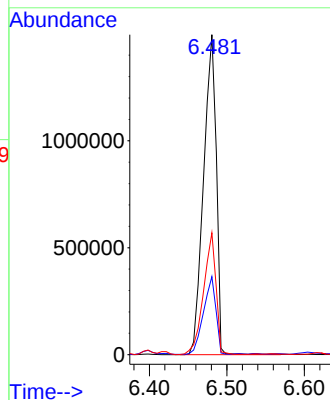
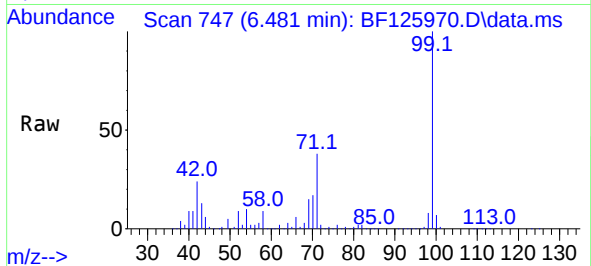
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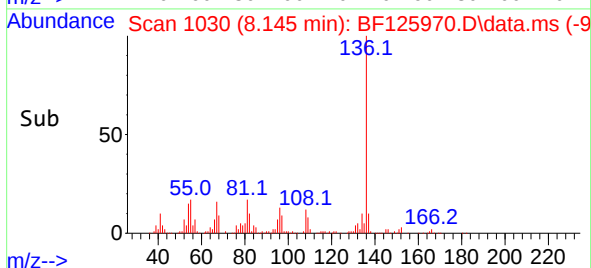
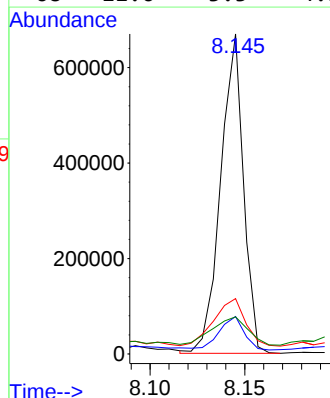
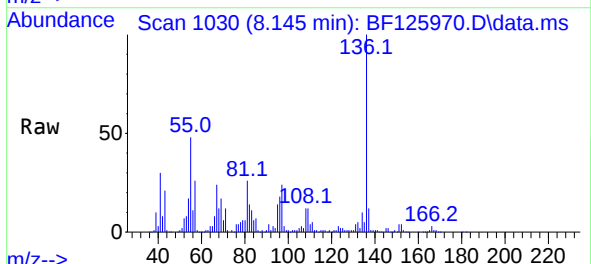
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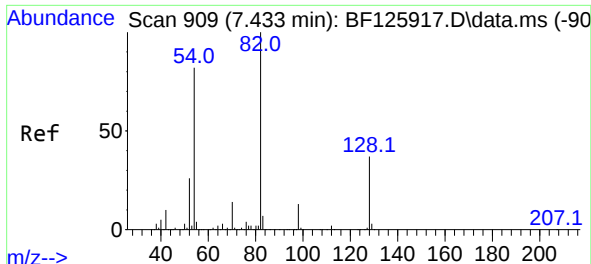


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion: 136 Resp: 560435

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.6
54	17.3	6.4	9.6#
68	11.6	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 101.822 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.018 min

Lab File: BF125970.D

Acq: 27 Oct 2021 18:45

Tgt Ion: 82 Resp: 1104753

Ion	Ratio	Lower	Upper
82	100		
128	36.5	40.6	60.8#
54	71.3	49.6	74.4

Instrument :

BNA_F

ClientSampleId :

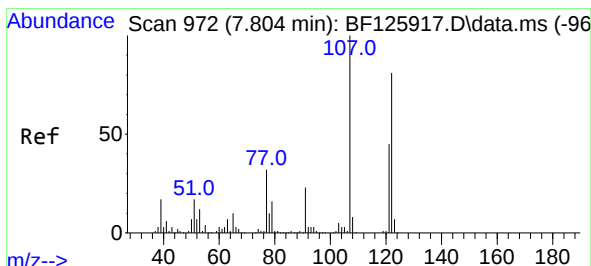
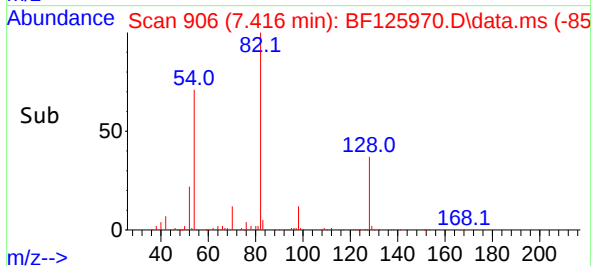
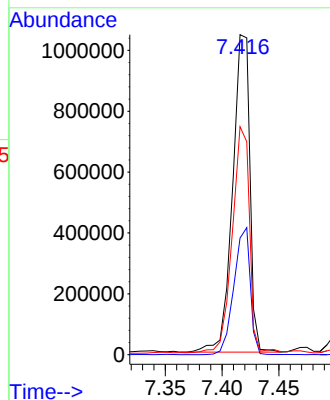
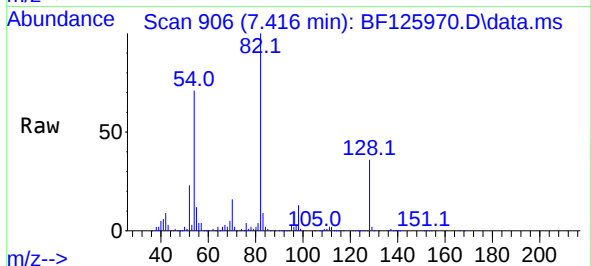
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#27

2,4-Dimethylphenol

Concen: 4.377 ng

RT: 7.804 min Scan# 972

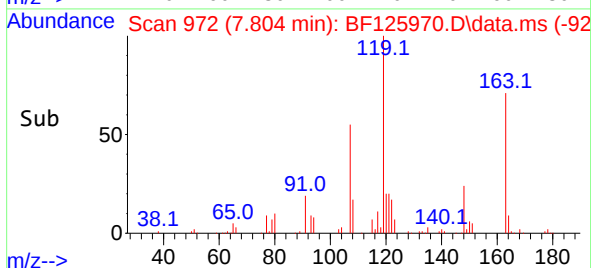
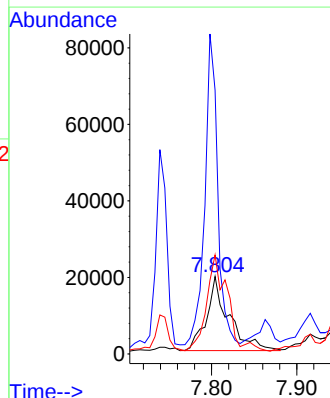
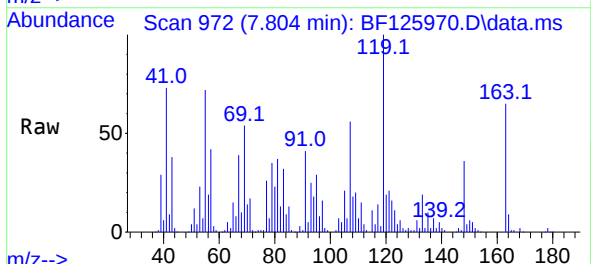
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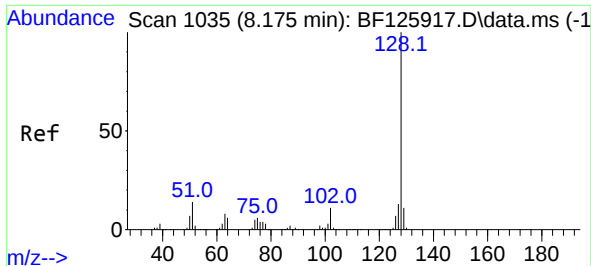
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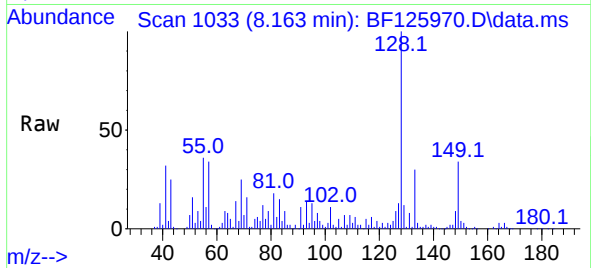
Tgt Ion:122 Resp: 35301

Ion	Ratio	Lower	Upper
122	100		
107	340.6	85.0	127.6#
121	128.0	43.3	64.9#

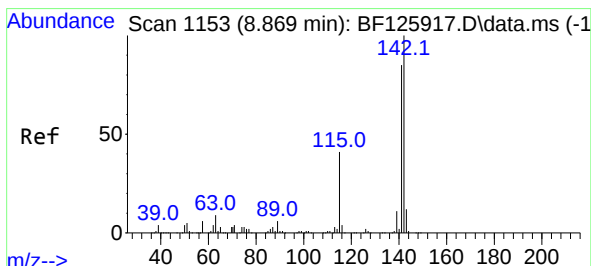
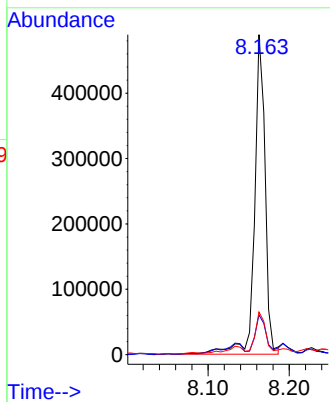
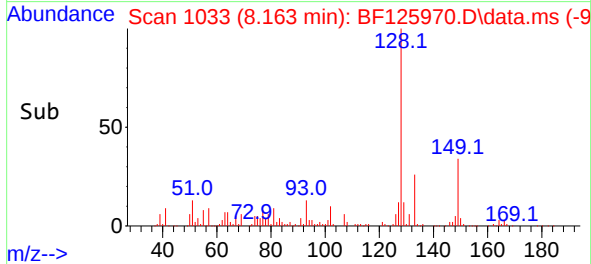




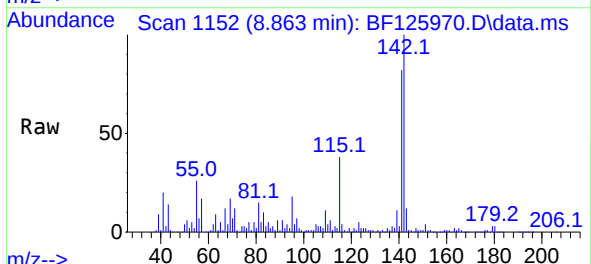
#31
Naphthalene
Concen: 15.669 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



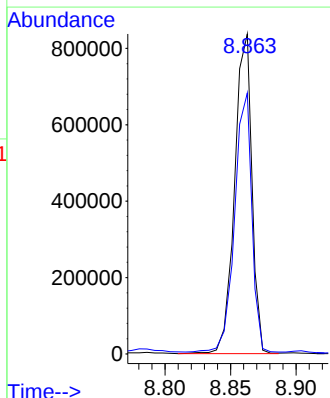
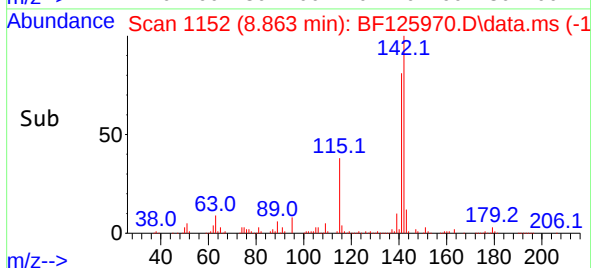
Tgt Ion:128 Resp: 446516
Ion Ratio Lower Upper
128 100
129 12.5 9.4 14.0
127 13.4 10.9 16.3



#37
2-Methylnaphthalene
Concen: 41.918 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion:142 Resp: 768878
Ion Ratio Lower Upper
142 100
141 81.5 71.2 106.8



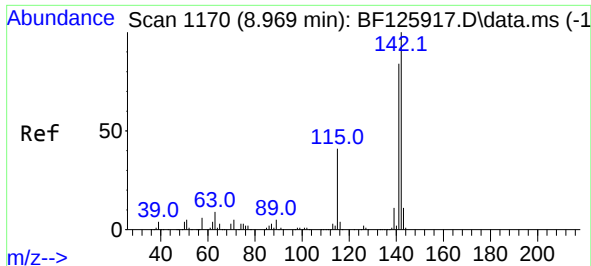
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#38
1-Methylnaphthalene
Concen: 25.323 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:142 Resp: 448300
Ion Ratio Lower Upper
142 100
141 83.3 76.0 114.0

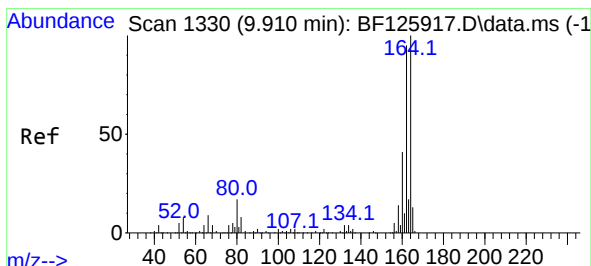
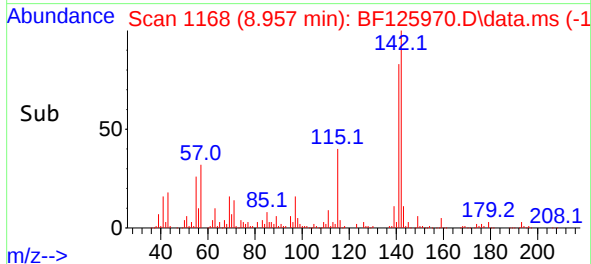
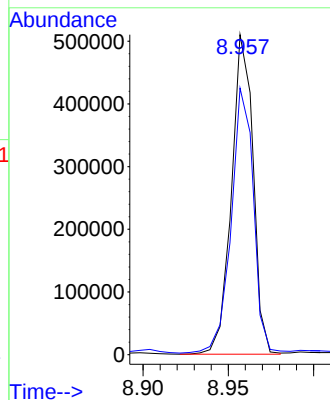
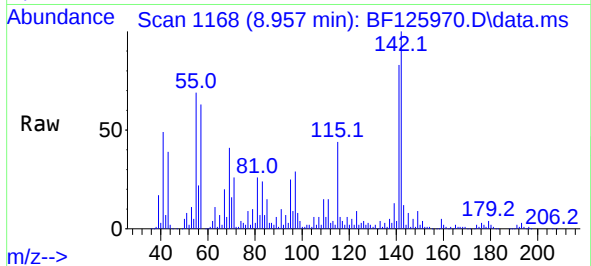
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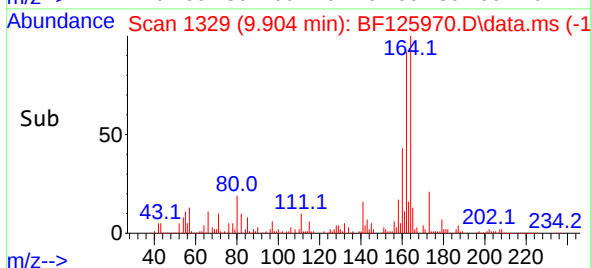
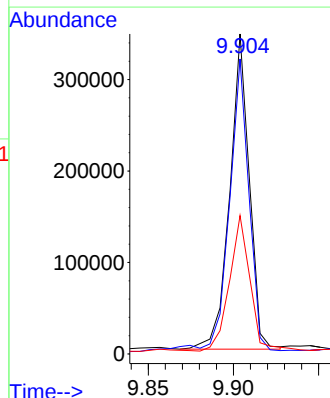
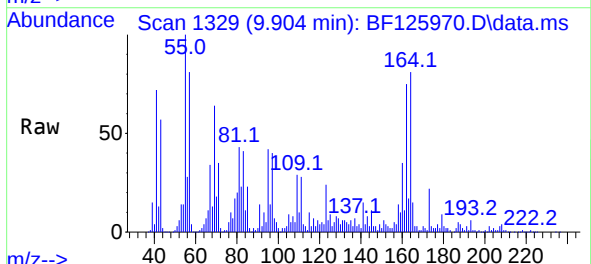
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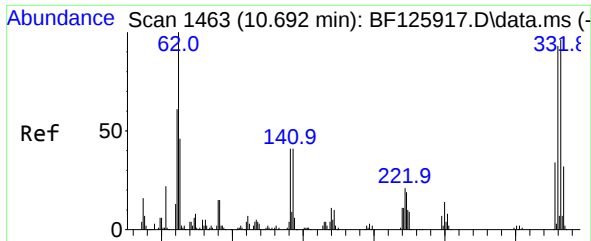
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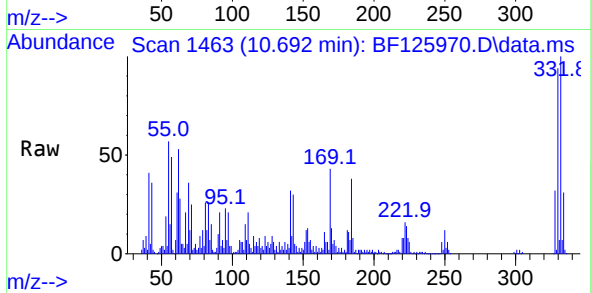
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:164 Resp: 274726
Ion Ratio Lower Upper
164 100
162 92.2 81.3 121.9
160 43.2 38.0 57.0

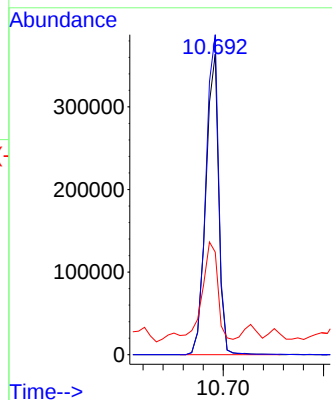
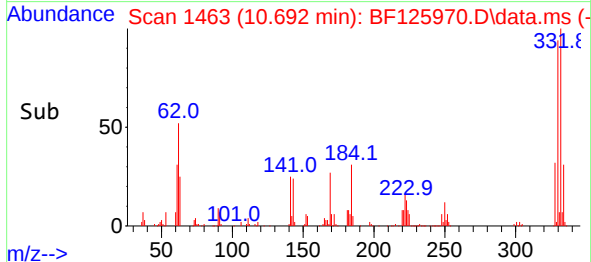




#42
2,4,6-Tribromophenol
Concen: 136.498 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion: 330 Resp: 326899
Ion Ratio Lower Upper
330 100
332 106.2 76.2 114.4
141 37.5 44.6 66.8#



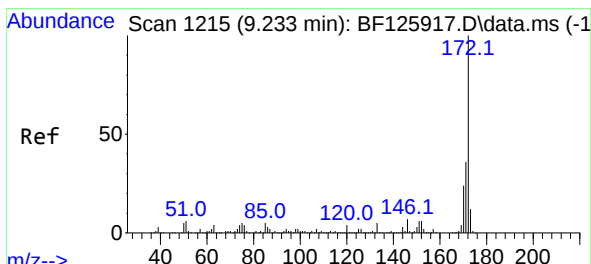
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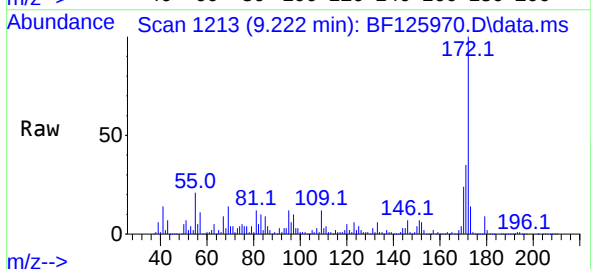
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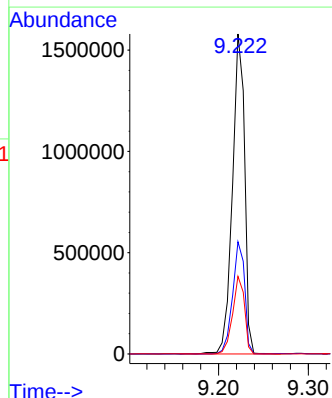
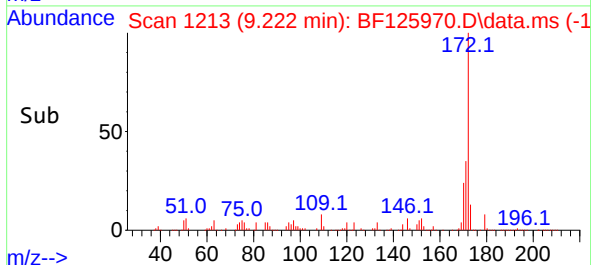
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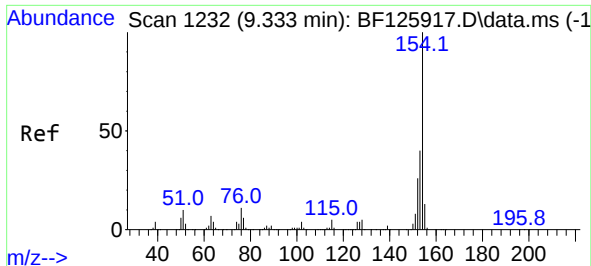


#45
2-Fluorobiphenyl
Concen: 95.910 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion: 172 Resp: 1489972
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 24.3 18.8 28.2





#46
1,1'-Biphenyl
Concen: 4.331 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:154 Resp: 87148
Ion Ratio Lower Upper
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153 38.3 20.0 60.0
76 12.8 0.0 30.3

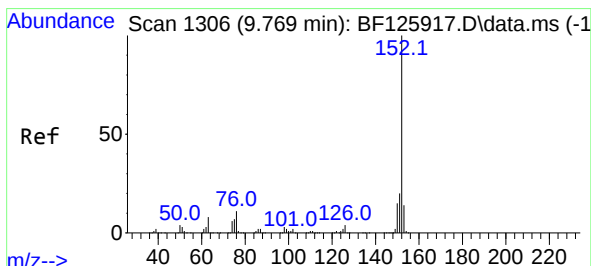
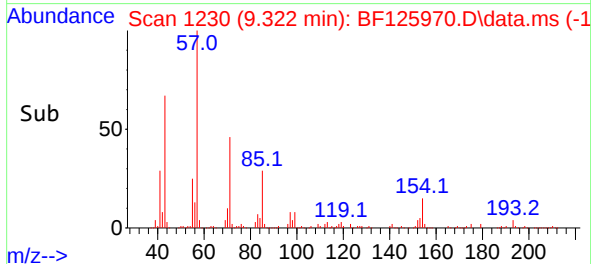
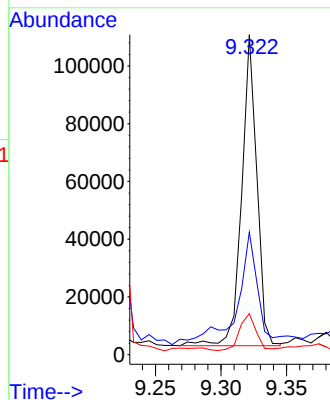
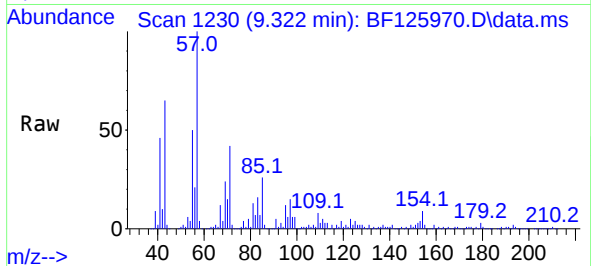
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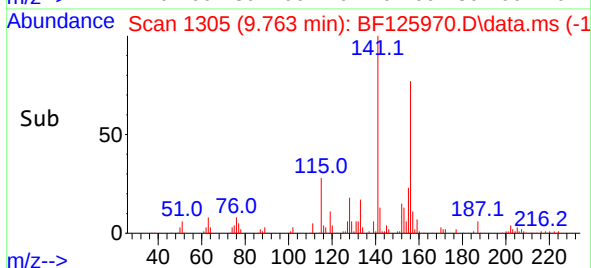
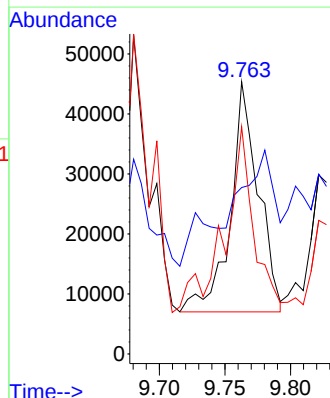
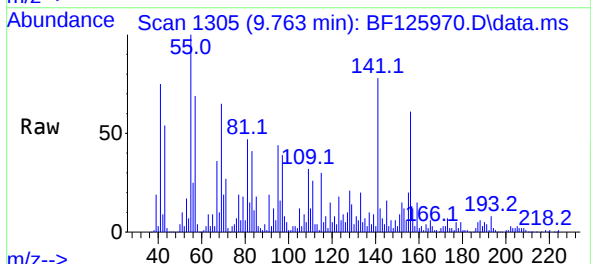
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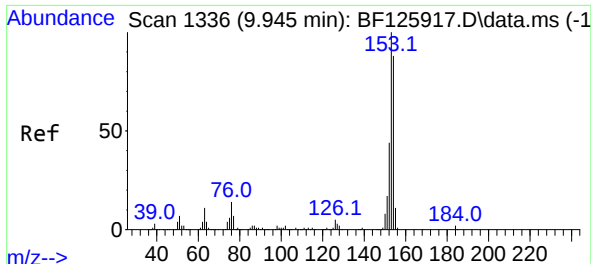
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#49
Acenaphthylene
Concen: 2.471 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:152 Resp: 56627
Ion Ratio Lower Upper
152 100
151 61.2 15.7 23.5#
153 83.5 9.8 14.8#





#52
Acenaphthene
Concen: 2.383 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:154 Resp: 35498
Ion Ratio Lower Upper
154 100
153 136.9 89.4 134.2#
152 79.8 40.5 60.7#

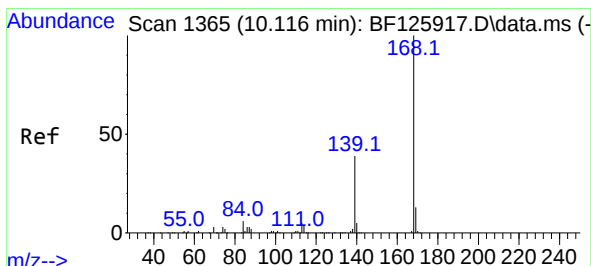
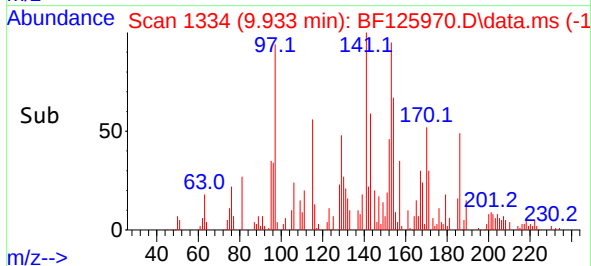
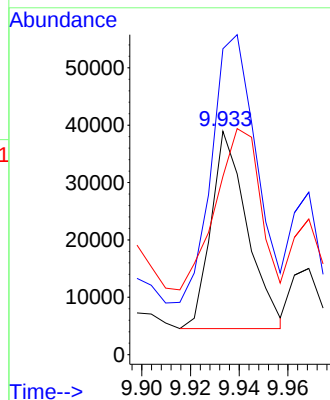
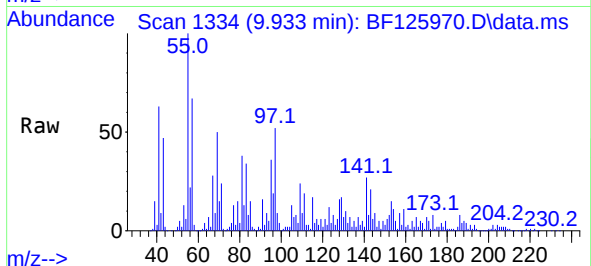
Instrument :
BNA_F
ClientSampled :
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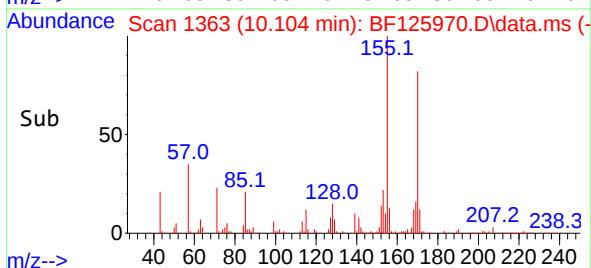
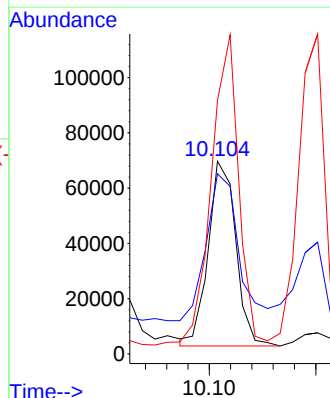
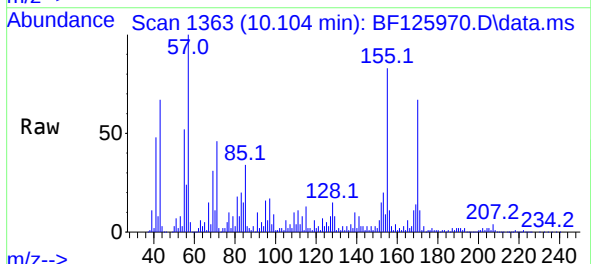
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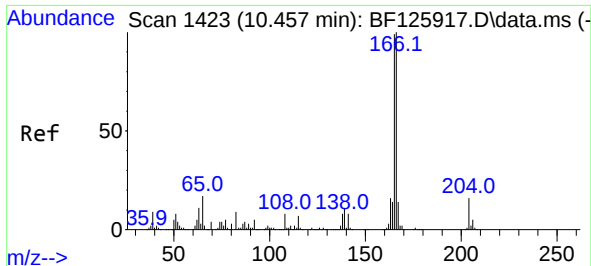
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#55
Dibenzofuran
Concen: 2.708 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:168 Resp: 60249
Ion Ratio Lower Upper
168 100
139 93.4 32.7 49.1#
169 131.4 11.2 16.8#





#58
Fluorene
Concen: 2.074 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:166 Resp: 89338
Ion Ratio Lower Upper
166 100
165 115.8 78.1 117.1
167 23.9 11.1 16.7#

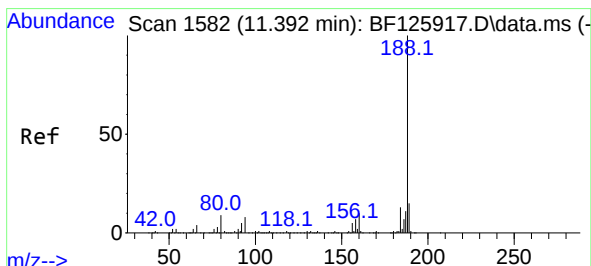
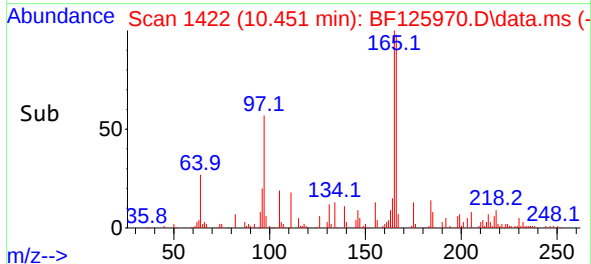
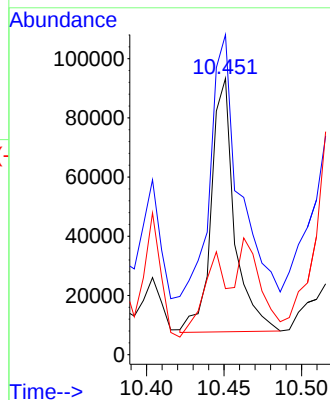
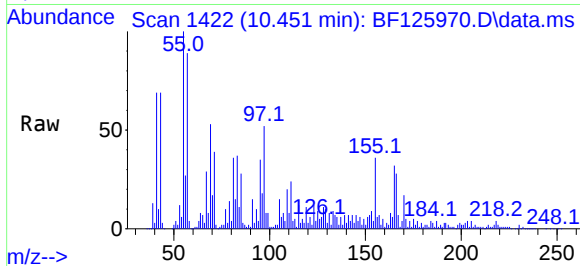
Instrument :
BNA_F
ClientSampled :
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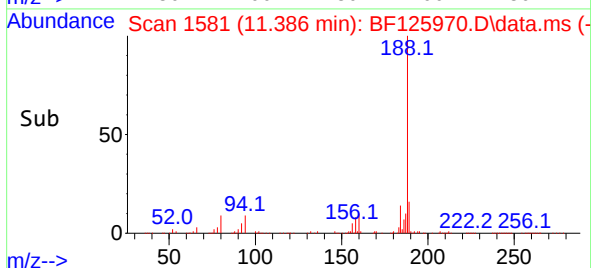
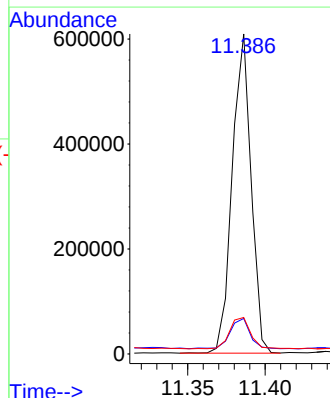
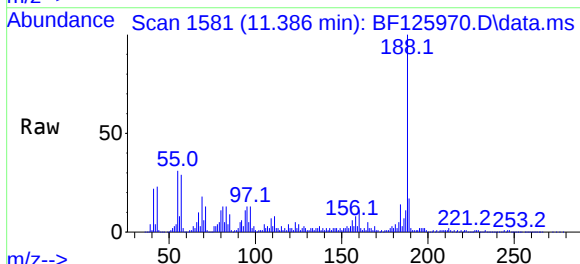
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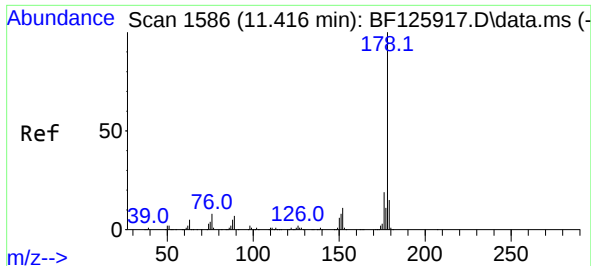
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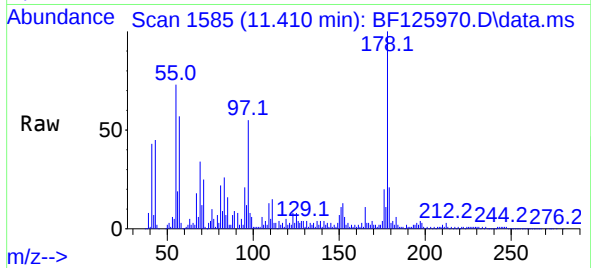
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:188 Resp: 513351
Ion Ratio Lower Upper
188 100
94 11.1 6.7 10.1#
80 11.4 7.5 11.3#

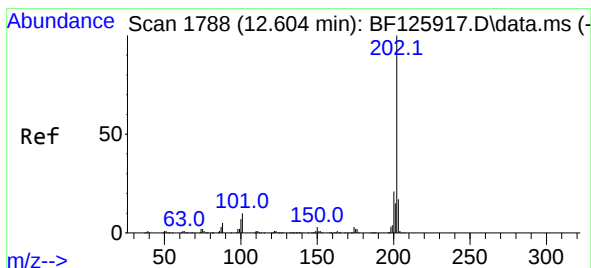
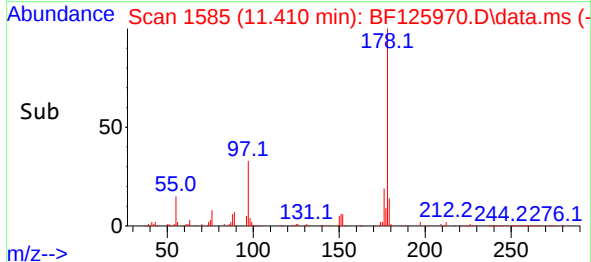
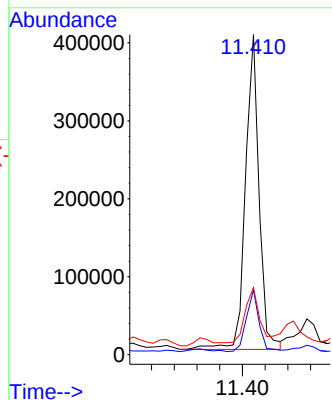




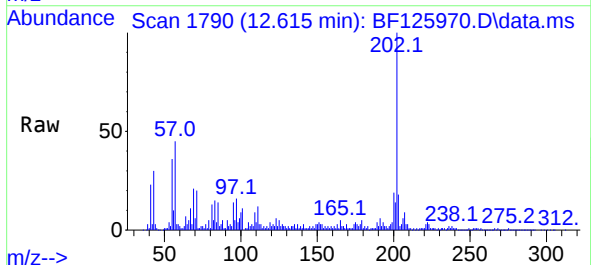
#71
Phenanthrene
Concen: 12.641 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



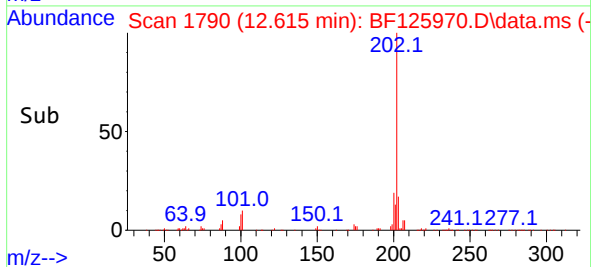
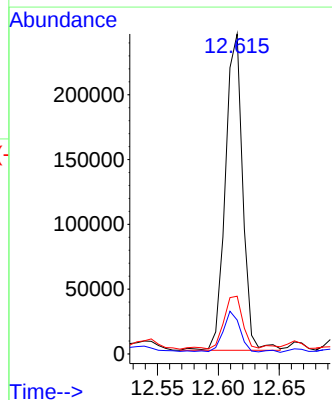
Tgt Ion:178 Resp: 336721
Ion Ratio Lower Upper
178 100
176 20.2 14.7 22.1
179 21.0 11.5 17.3#



#75
Fluoranthene
Concen: 9.001 ng
RT: 12.615 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion:202 Resp: 241706
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 18.1 0.0 36.3



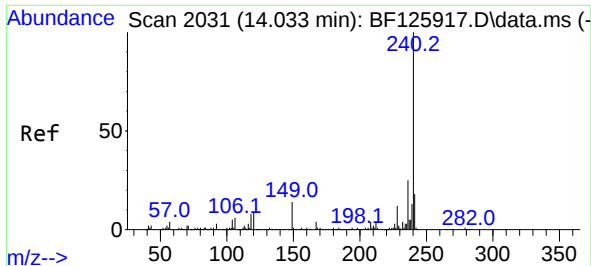
Instrument :
BNA_F
ClientSampleId :
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.018 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:240 Resp: 393753
Ion Ratio Lower Upper
240 100
120 10.8 10.8 16.2#
236 25.5 21.6 32.4

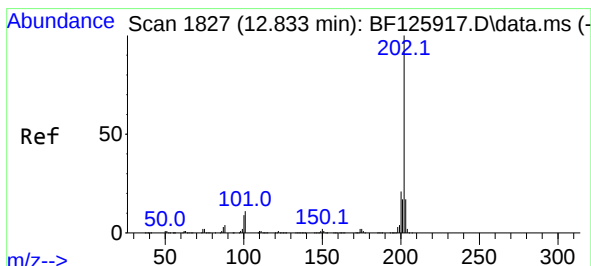
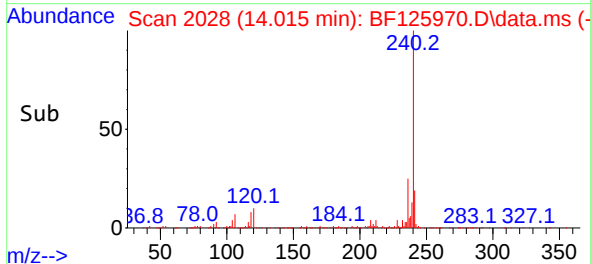
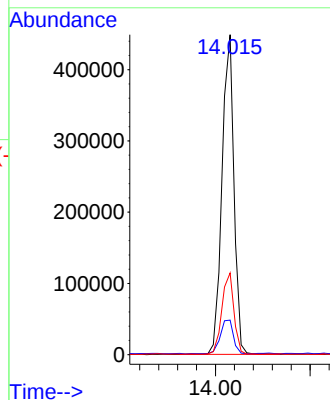
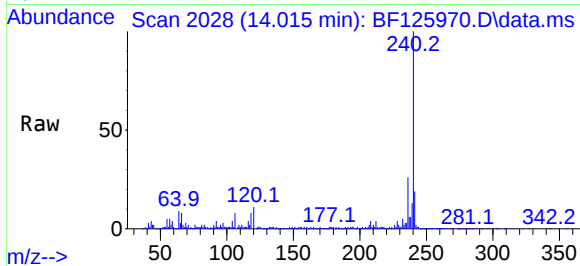
Instrument :
BNA_F
ClientSampleId :
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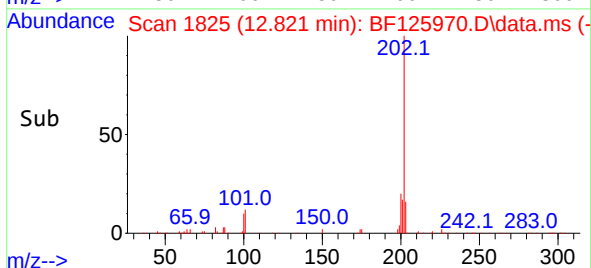
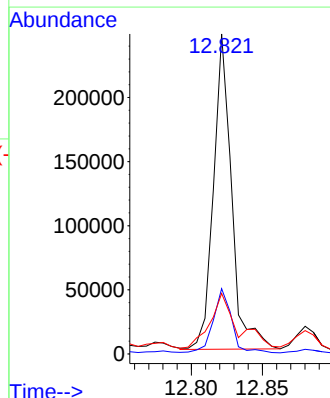
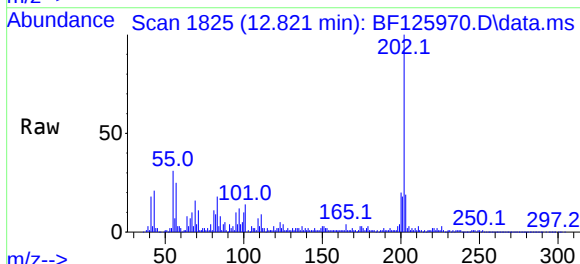
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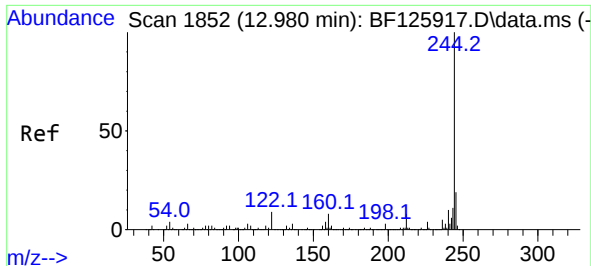
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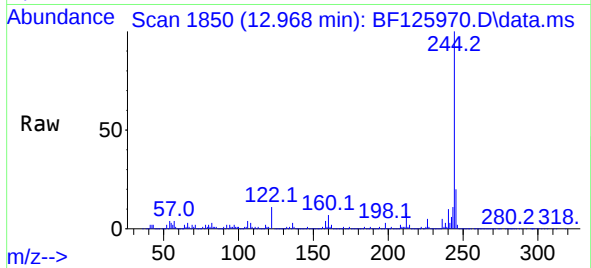
#78
Pyrene
Concen: 5.962 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:202 Resp: 218466
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 18.9 13.4 20.0

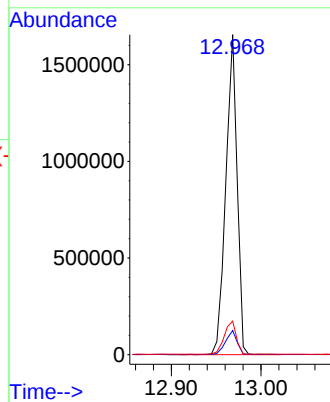
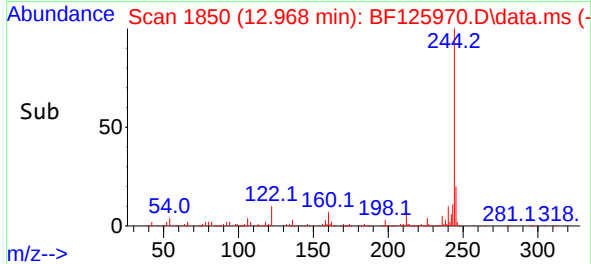




#79
Terphenyl-d14
Concen: 59.910 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion:244 Resp: 1442157
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 10.5 9.0 13.4



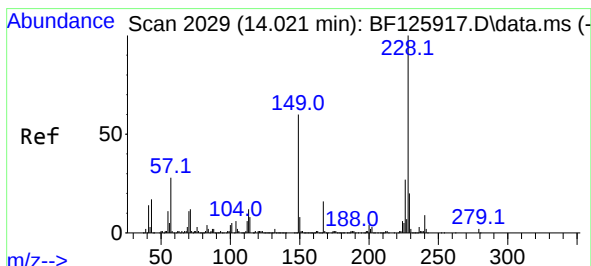
Instrument :
BNA_F
ClientSampleId :
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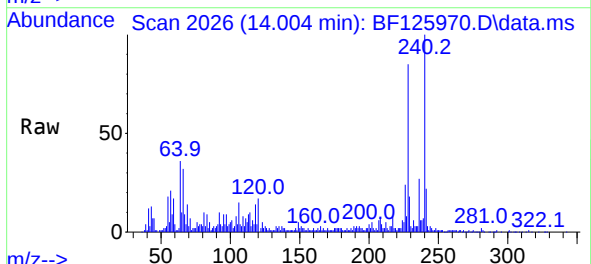
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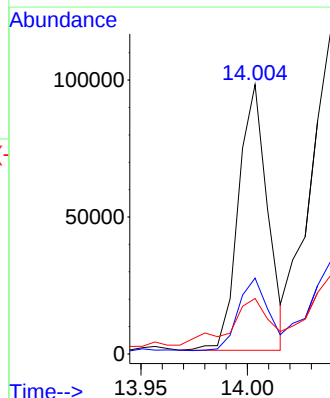
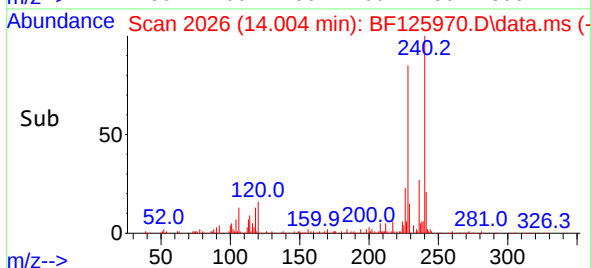
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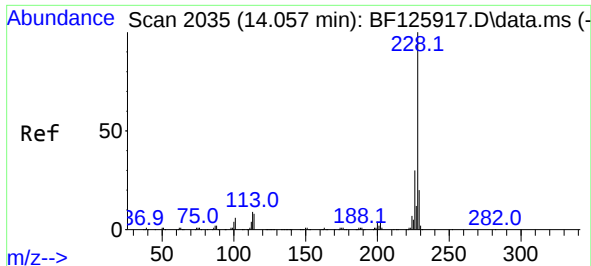


#81
Benzo(a)anthracene
Concen: 3.485 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.018 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion:228 Resp: 92348
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 20.6 15.6 23.4





#83
Chrysene
Concen: 4.508 ng m
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:228 Resp: 120863
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 24.4 15.9 23.9#

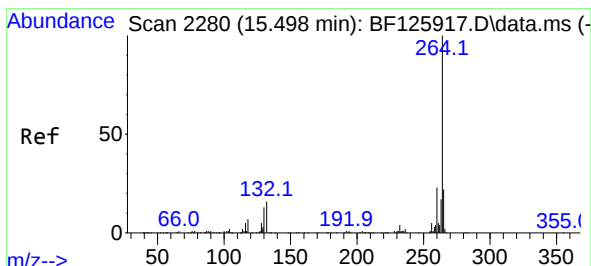
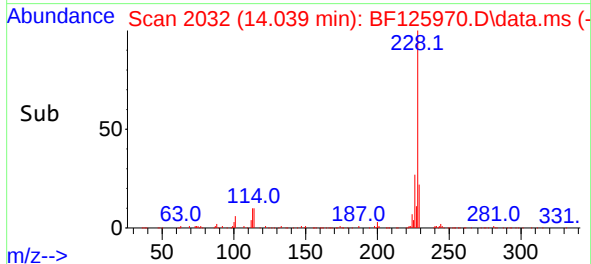
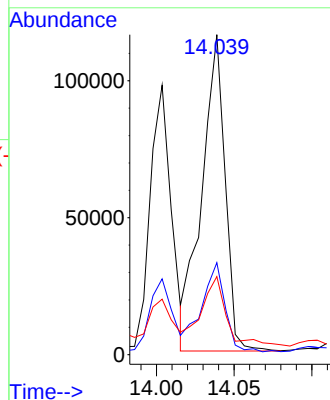
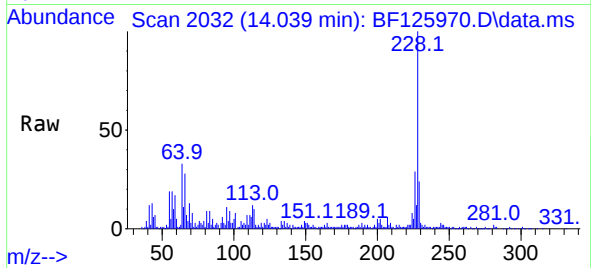
Instrument :
BNA_F
ClientSampled :
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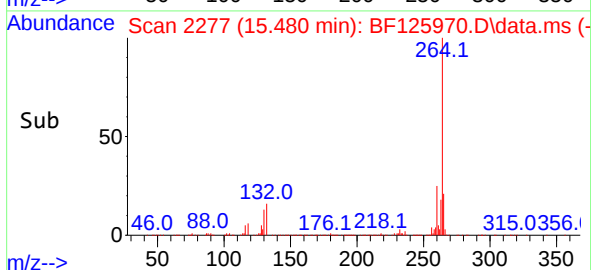
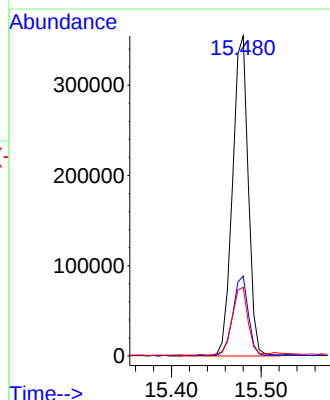
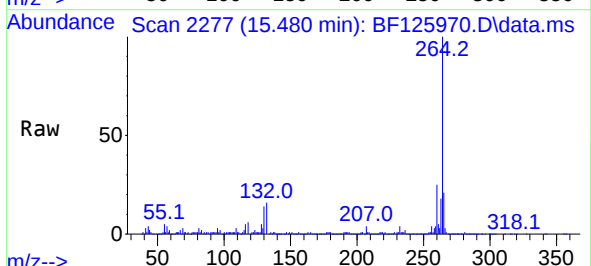
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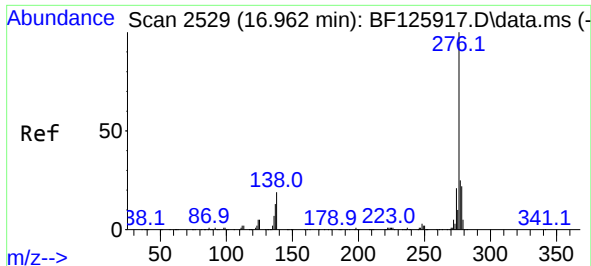
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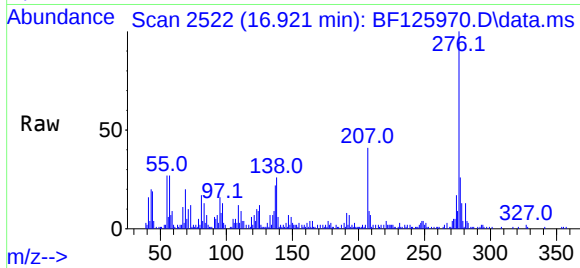
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.018 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:264 Resp: 431337
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 21.4 17.2 25.8

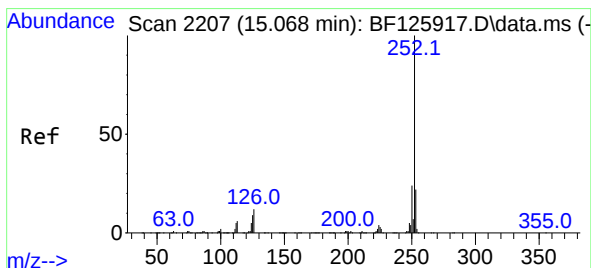
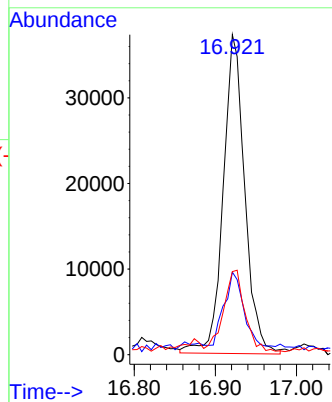
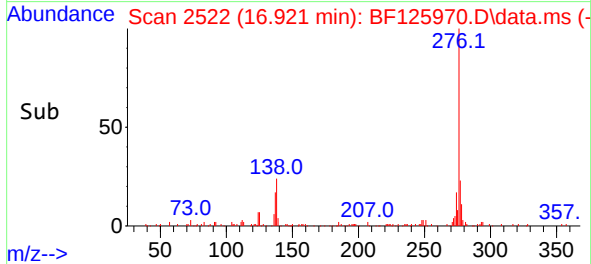




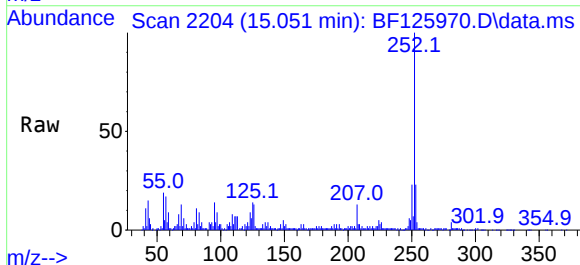
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.216 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.041 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



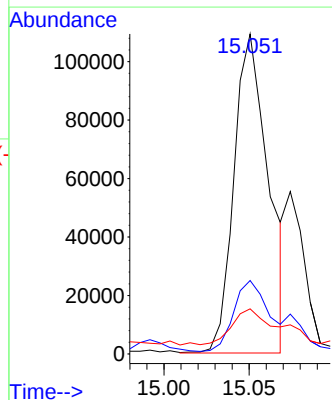
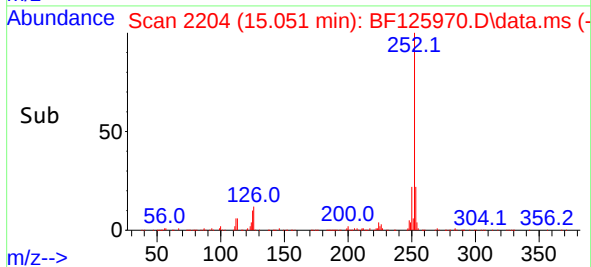
Tgt Ion: 276 Resp: 68848
Ion Ratio Lower Upper
276 100
138 21.3 24.1 36.1#
277 25.2 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 5.407 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45



Tgt Ion: 252 Resp: 153940
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 14.1 9.8 14.8



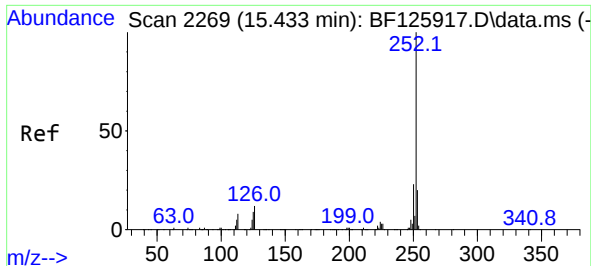
Instrument :
BNA_F
ClientSampleId :
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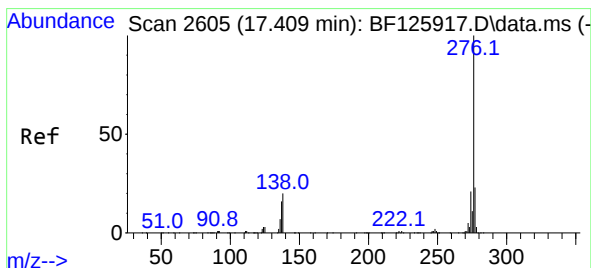
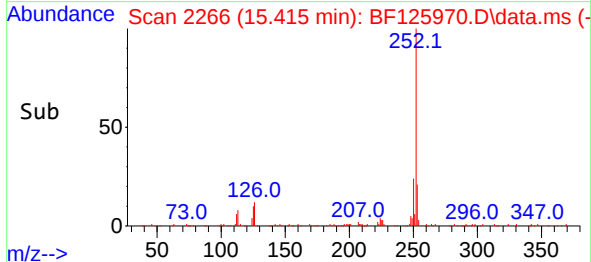
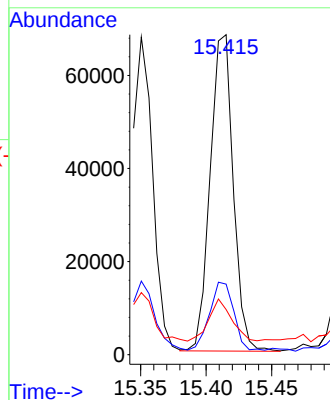
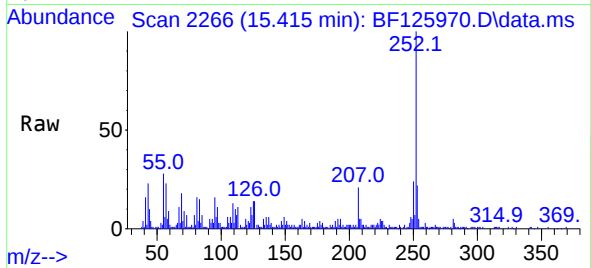
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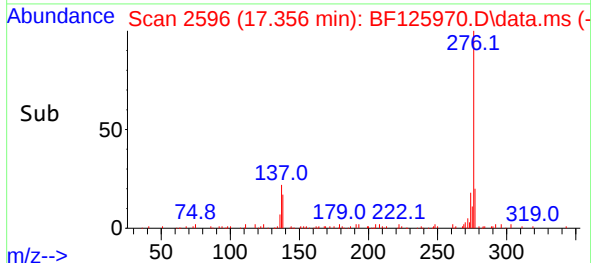
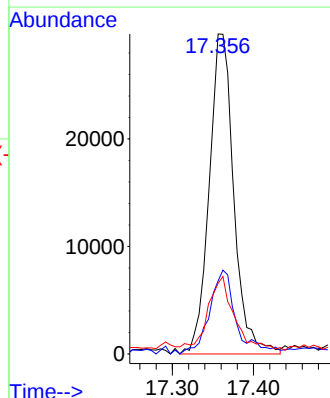
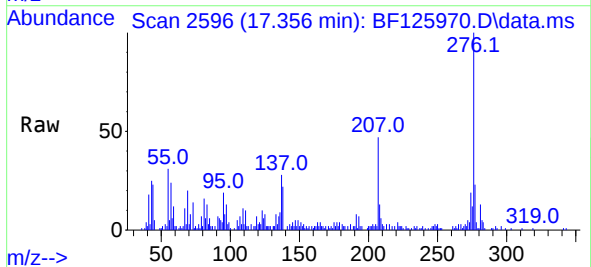
#90
Benzo(a)pyrene
Concen: 3.619 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:	252	Resp:	83179
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	14.1	9.9	14.9



#92
Benzo(g,h,i)perylene
Concen: 2.385 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.053 min
Lab File: BF125970.D
Acq: 27 Oct 2021 18:45

Tgt Ion:	276	Resp:	62717
Ion Ratio	Lower	Upper	
276	100		
277	22.9	22.0	33.0
138	22.1	22.2	33.4#



Instrument :
BNA_F
ClientSampled :
SB-7

Manual Integrations
APPROVED

mohammad
10/29/2021 2:22:37 PM

mohammad

10/29/2021 2:22:37 PM