

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134706.D
 Acq On : 10 Aug 2023 12:54
 Operator : CG\JU
 Sample : 03945-02 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB01-Z78-80

Quant Time: Aug 11 03:53:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

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 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	166869	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	655734	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	317052	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	530616	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	339076	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	322027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	13335	1.215	ng	0.00
7) Phenol-d6	6.434	99	15982	1.139	ng	0.00
23) Nitrobenzene-d5	7.357	82	12545	1.196	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	4339	1.342	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	30000	1.573	ng	-0.01
79) Terphenyl-d14	12.916	244	29561	1.537	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.110	128	3366155	102.141	ng	97
37) 2-Methylnaphthalene	8.792	142	802147	36.721	ng	99
38) 1-Methylnaphthalene	8.892	142	697747	34.350	ng	98
46) 1,1'-Biphenyl	9.257	154	151718	6.154	ng	97
49) Acenaphthylene	9.692	152	82878	2.854	ng	# 89
52) Acenaphthene	9.869	154	457499	24.311	ng	99
58) Fluorene	10.380	166	187084	9.588	ng	93
71) Phenanthrene	11.351	178	1105757	39.233	ng	100
72) Anthracene	11.398	178	336480	11.688	ng	99
75) Fluoranthene	12.539	202	425828	14.303	ng	95
78) Pyrene	12.768	202	589989	20.108	ng	98
81) Benzo(a)anthracene	13.963	228	236744m	9.764	ng	
83) Chrysene	13.998	228	192309	8.141	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	39065	2.063	ng	# 95
88) Benzo(b)fluoranthene	15.015	252	113007m	5.754	ng	
90) Benzo(a)pyrene	15.380	252	128085	6.995	ng	# 95
92) Benzo(g,h,i)perylene	17.386	276	44011	2.819	ng	# 92

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

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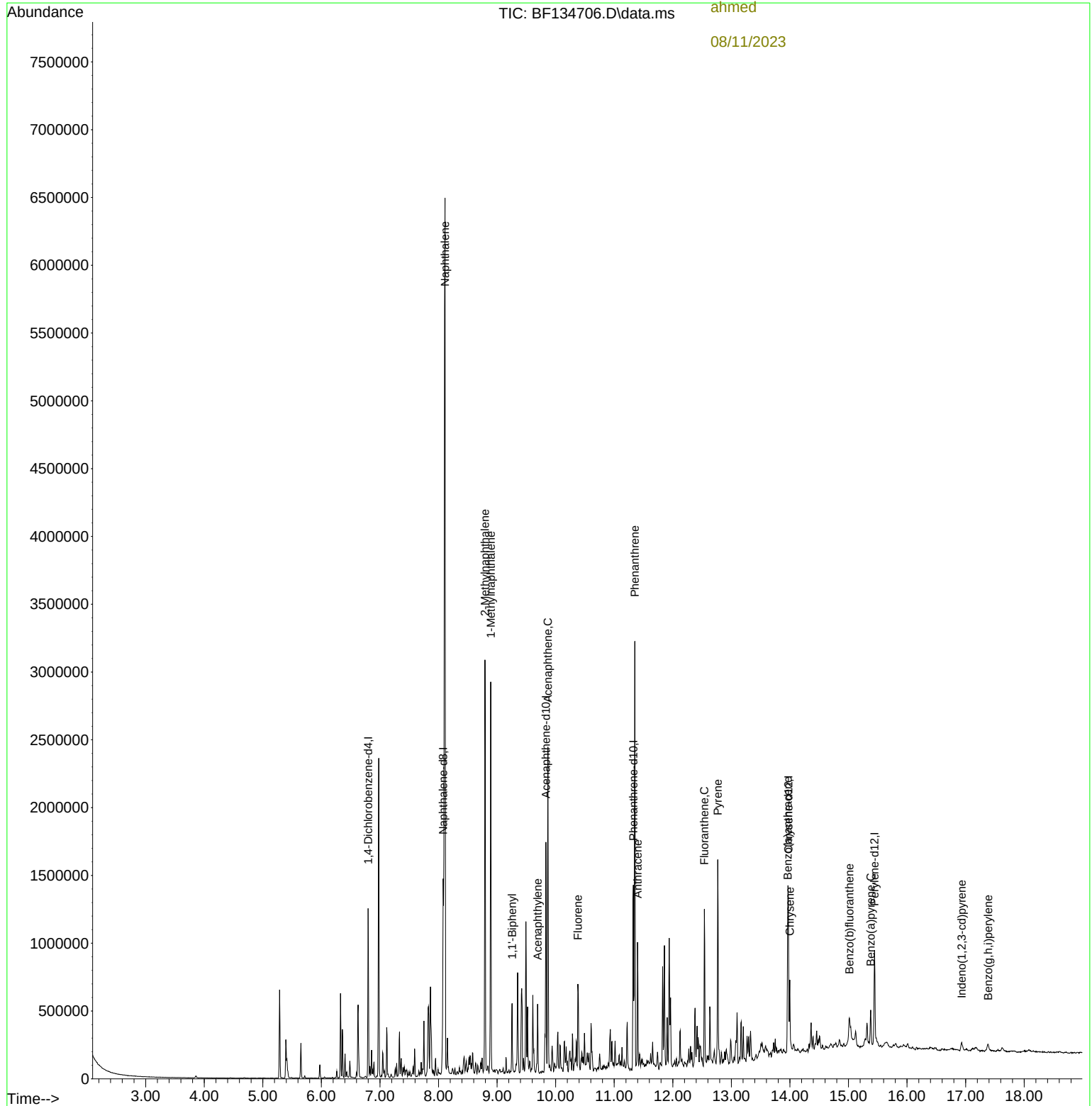
Quant Time: Aug 11 03:53:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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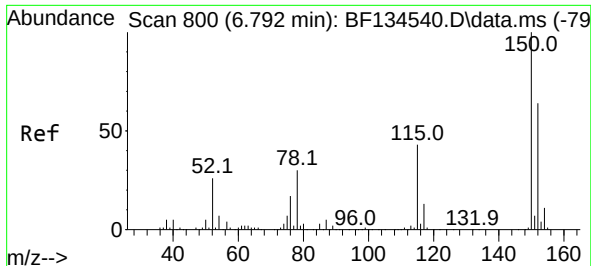
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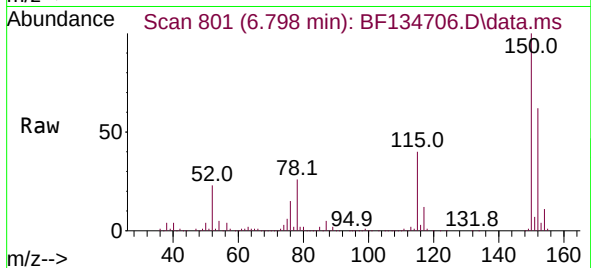
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80



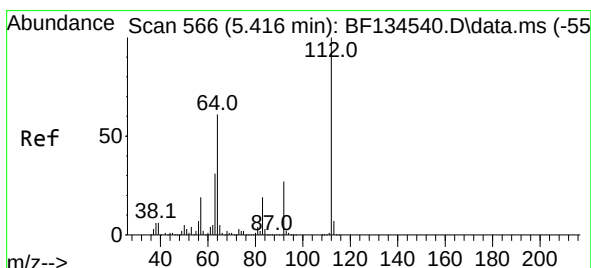
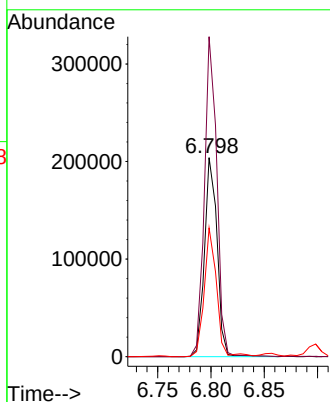
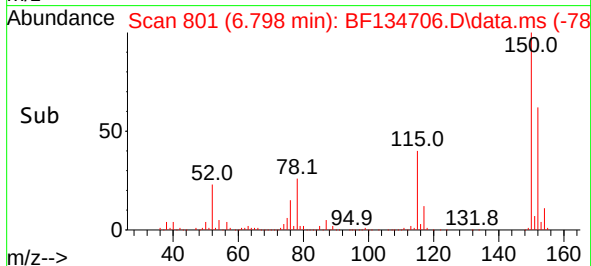
Tgt Ion:152 Resp: 166869
Ion Ratio Lower Upper
152 100
150 160.8 128.3 192.5
115 64.7 52.4 78.6

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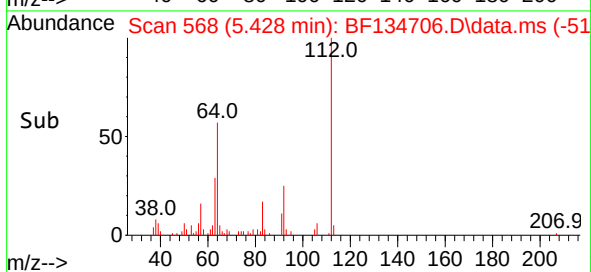
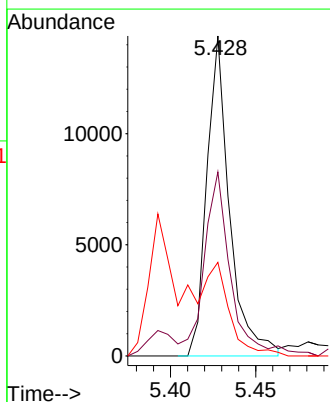
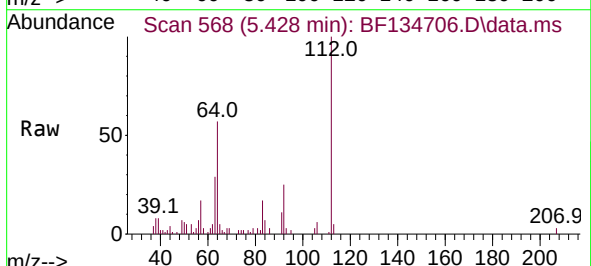
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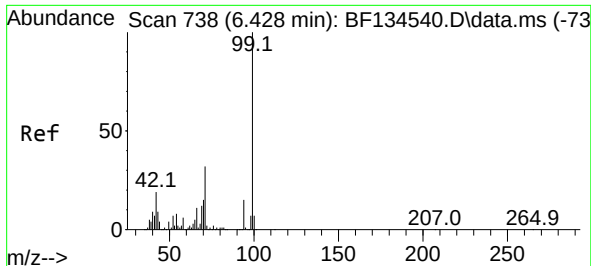
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#5
2-Fluorophenol
Concen: 1.215 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Tgt Ion:112 Resp: 13335
Ion Ratio Lower Upper
112 100
64 57.5 44.9 67.3
63 29.2 25.4 38.0





#7
Phenol-d6
Concen: 1.139 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80

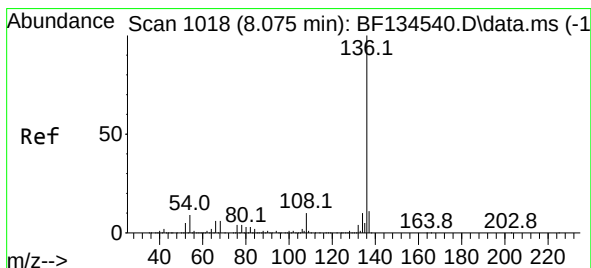
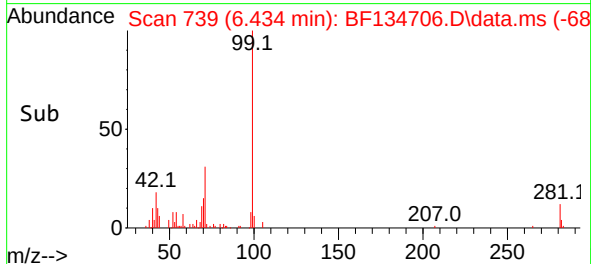
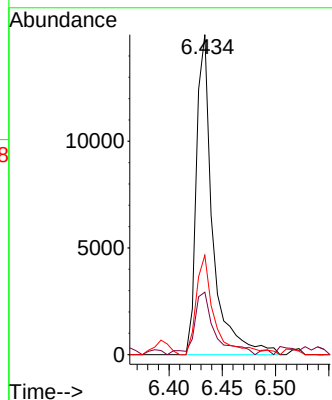
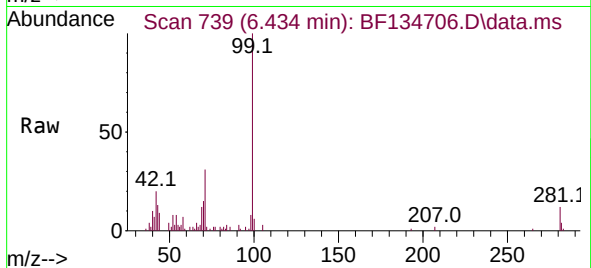
Tgt Ion: 99 Resp: 15982
Ion Ratio Lower Upper
99 100
42 19.5 18.7 28.1
71 31.0 36.4 54.6

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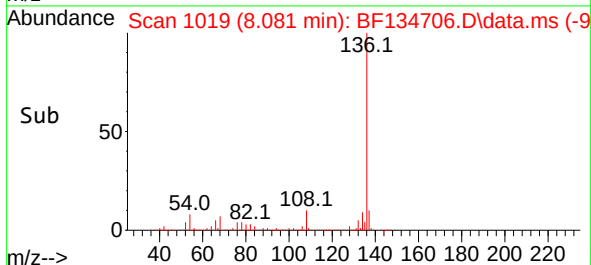
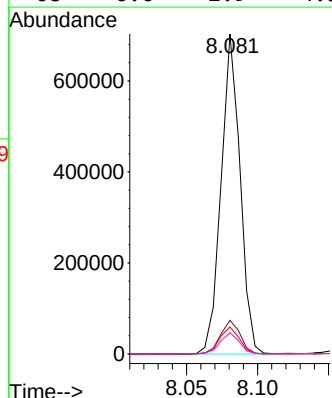
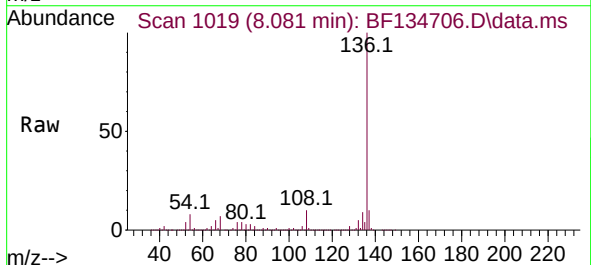
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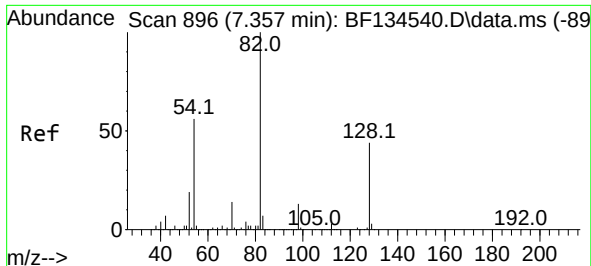
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

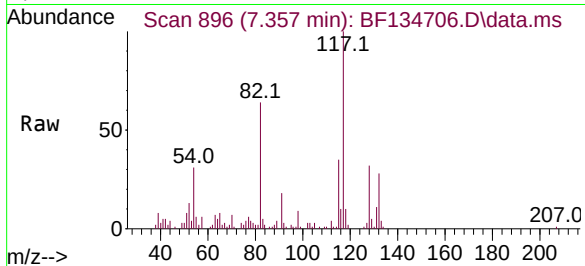
Tgt Ion:136 Resp: 655734
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 8.4 5.2 7.8#
68 6.6 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 1.196 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
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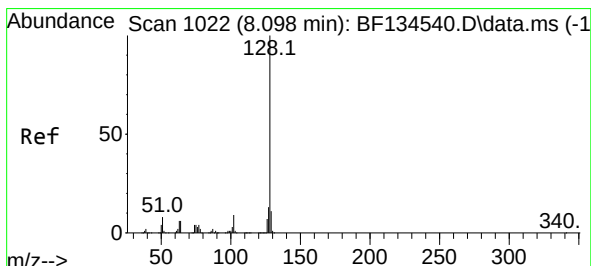
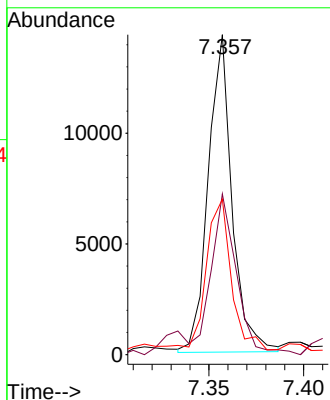
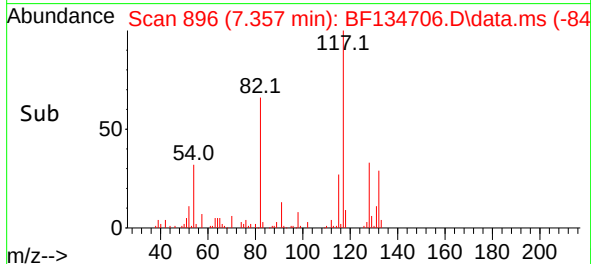
Tgt Ion: 82 Resp: 12545
Ion Ratio Lower Upper
82 100
128 50.2 34.3 51.5
54 48.6 43.8 65.6

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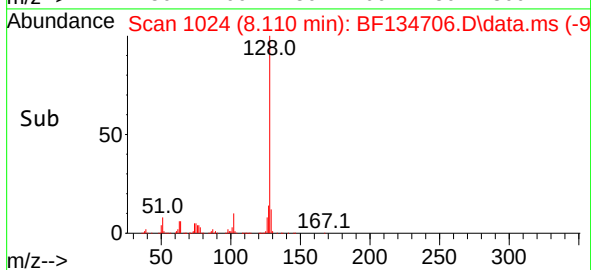
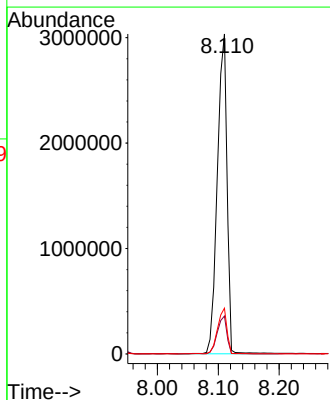
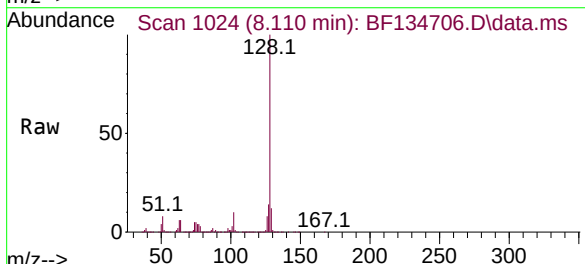
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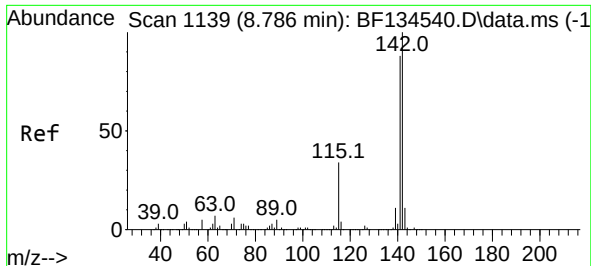
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#31
Naphthalene
Concen: 102.141 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Tgt Ion:128 Resp: 3366155
Ion Ratio Lower Upper
128 100
129 11.8 8.4 12.6
127 14.3 10.7 16.1





#37

2-Methylnaphthalene

Concen: 36.721 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134706.D

Acq: 10 Aug 2023 12:54

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB01-Z78-80

Tgt Ion:142 Resp: 802147

Ion Ratio Lower Upper

142 100

141 89.9 70.8 106.2

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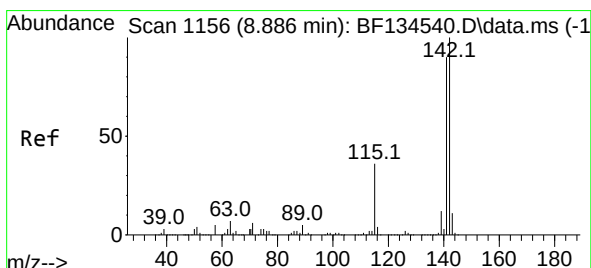
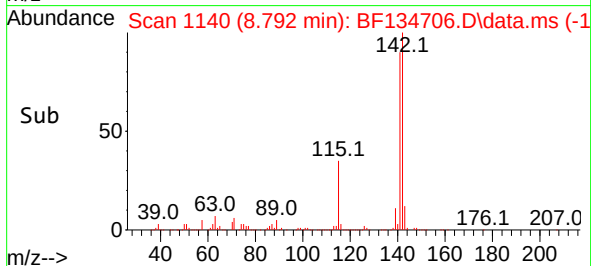
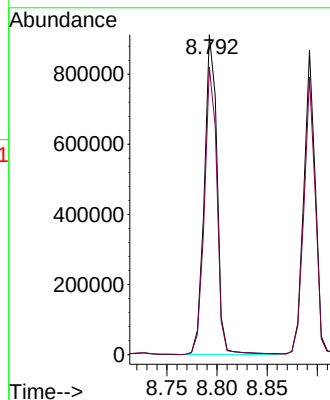
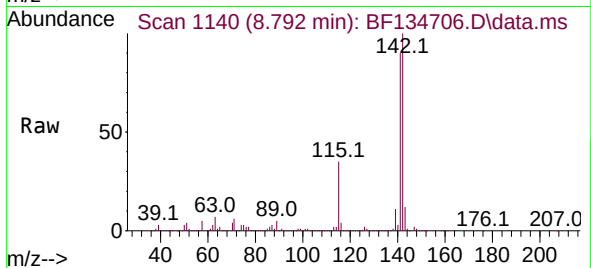
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#38

1-Methylnaphthalene

Concen: 34.350 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134706.D

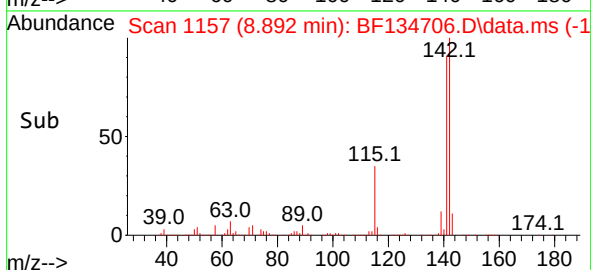
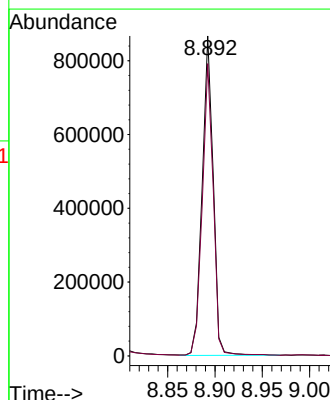
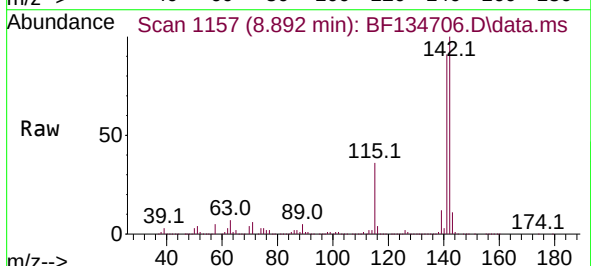
Acq: 10 Aug 2023 12:54

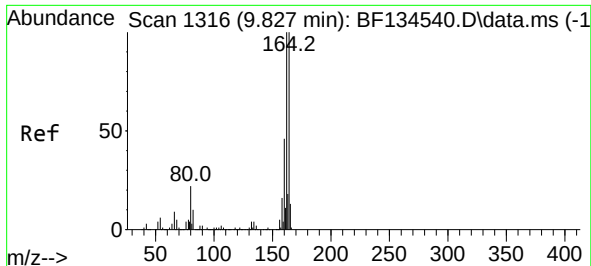
Tgt Ion:142 Resp: 697747

Ion Ratio Lower Upper

142 100

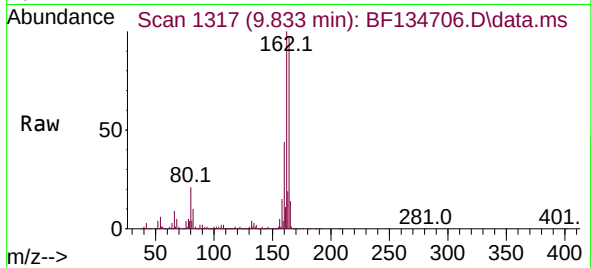
141 91.3 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
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ClientSampleId :
NEVINS-SB01-Z78-80



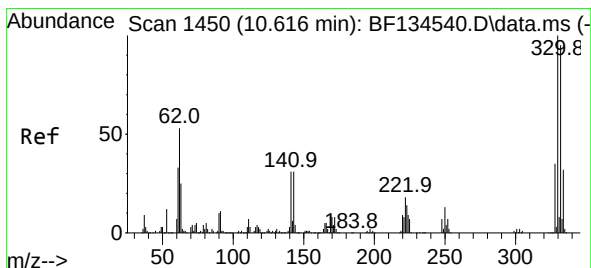
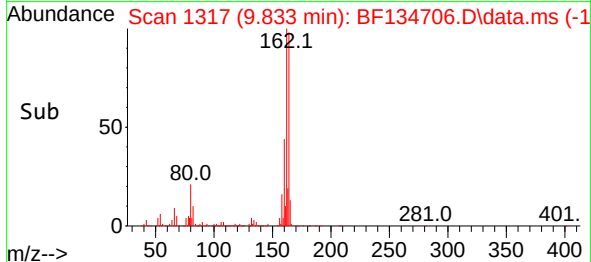
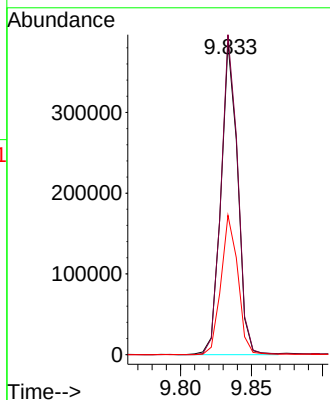
Tgt Ion:164 Resp: 317052
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 44.7 37.2 55.8

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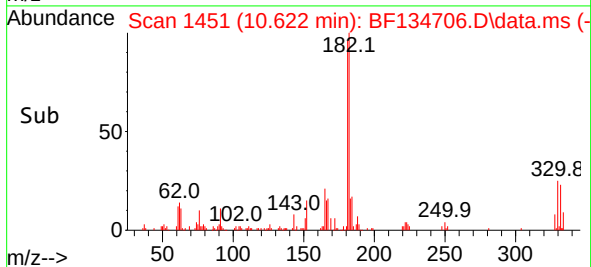
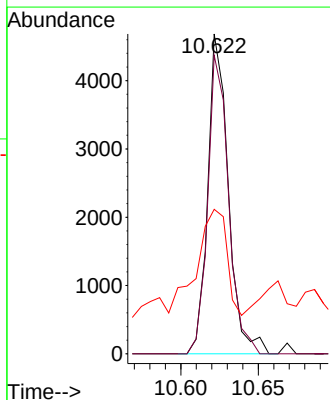
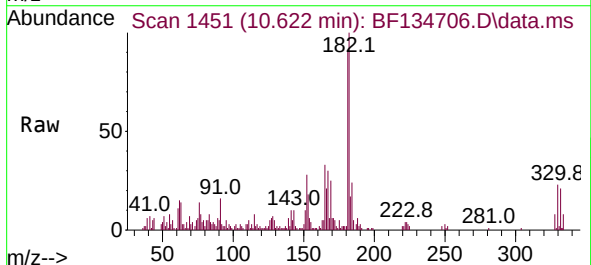
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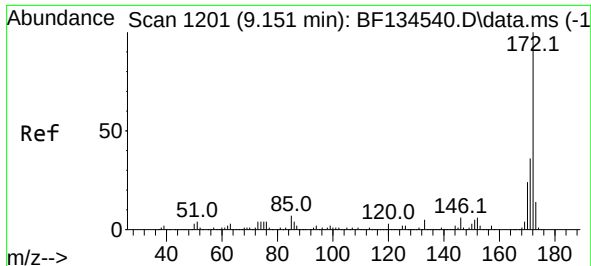
08/11/2023



#42
2,4,6-Tribromophenol
Concen: 1.342 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Tgt Ion:330 Resp: 4339
Ion Ratio Lower Upper
330 100
332 94.4 78.8 118.2
141 56.1 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 1.573 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134706.D

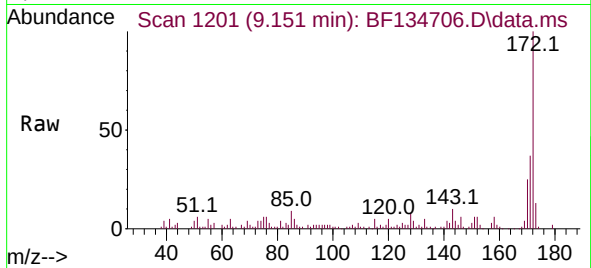
Acq: 10 Aug 2023 12:54

Instrument :

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Tgt Ion:	172	Resp:	30000
Ion Ratio	Lower	Upper	
172	100		
171	36.9	28.8	43.2
170	24.6	18.7	28.1

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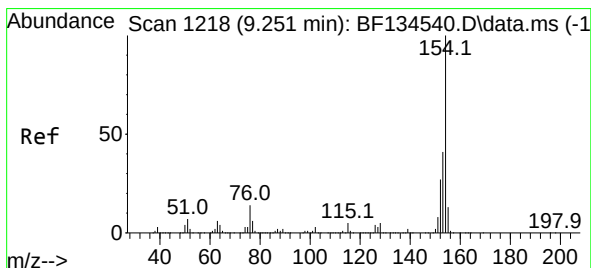
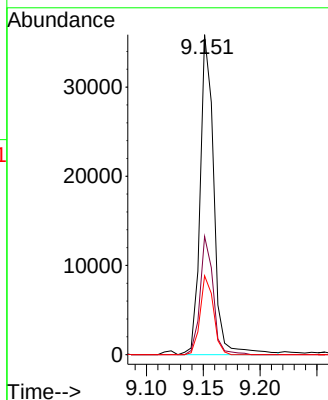
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#46

1,1'-Biphenyl

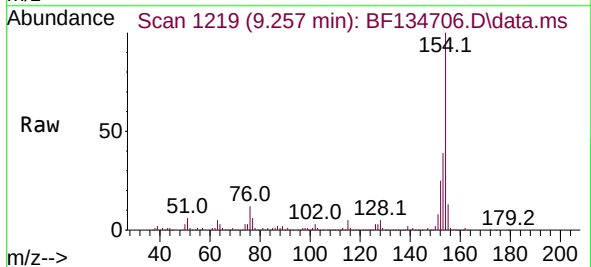
Concen: 6.154 ng

RT: 9.257 min Scan# 1219

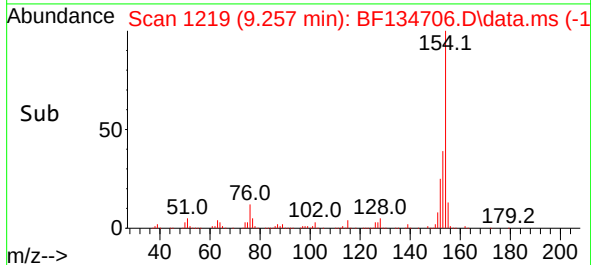
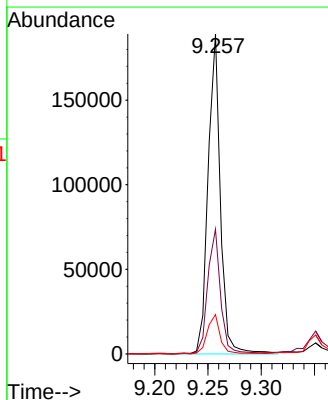
Delta R.T. -0.006 min

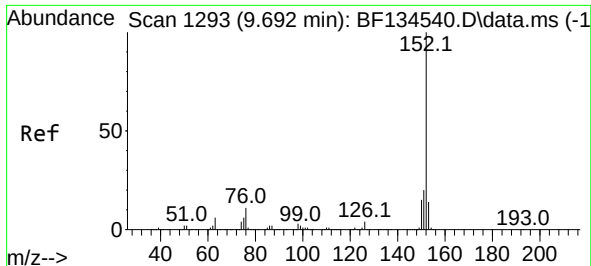
Lab File: BF134706.D

Acq: 10 Aug 2023 12:54



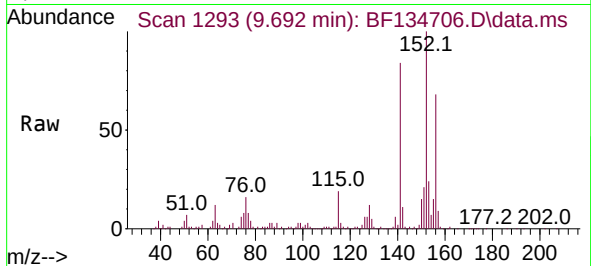
Tgt Ion:	154	Resp:	151718
Ion Ratio	Lower	Upper	
154	100		
153	39.0	20.8	60.8
76	12.3	0.0	30.2





#49
Acenaphthylene
Concen: 2.854 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
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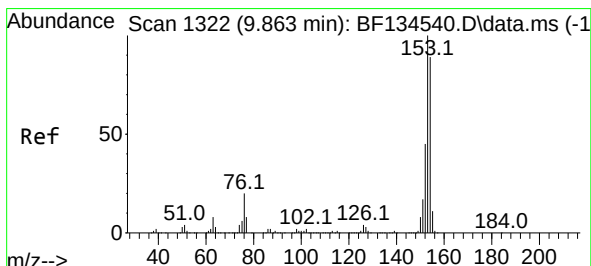
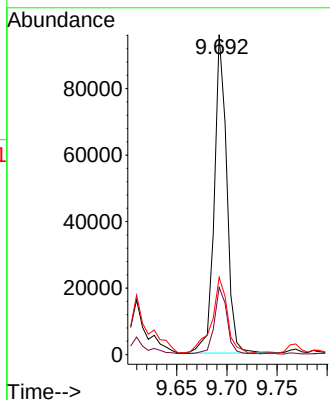
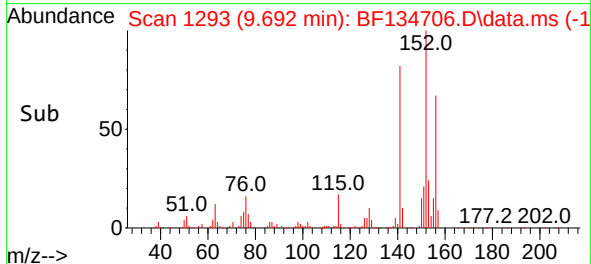
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Ion Ratio Lower Upper
152 100
151 21.0 16.4 24.6
153 24.1 10.9 16.3

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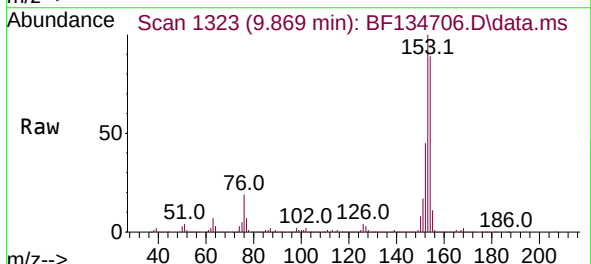
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

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Supervised By :mohammad
ahmed

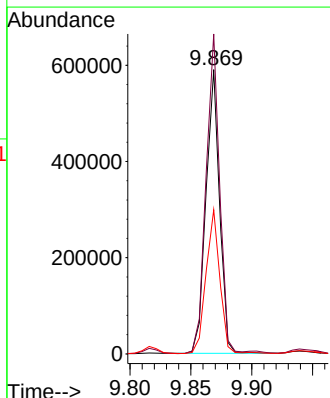
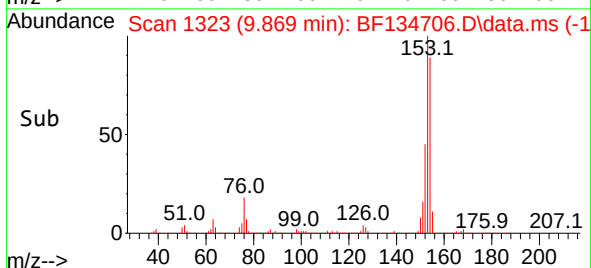
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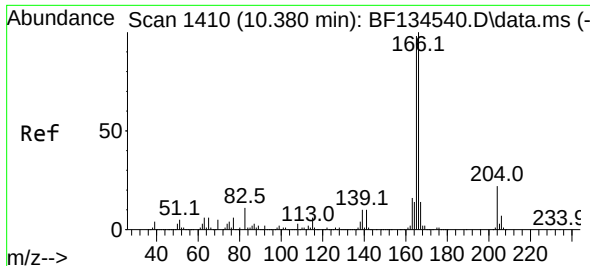


#52
Acenaphthene
Concen: 24.311 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54



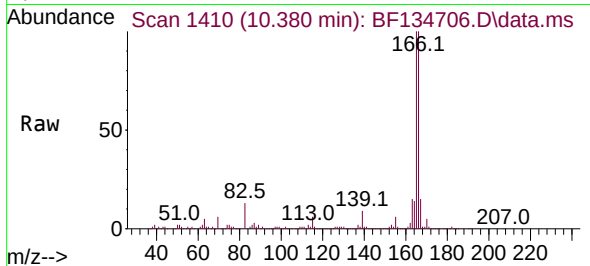
Tgt Ion:154 Resp: 457499
Ion Ratio Lower Upper
154 100
153 112.6 90.0 135.0
152 50.7 42.4 63.6





#58
Fluorene
Concen: 9.588 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80



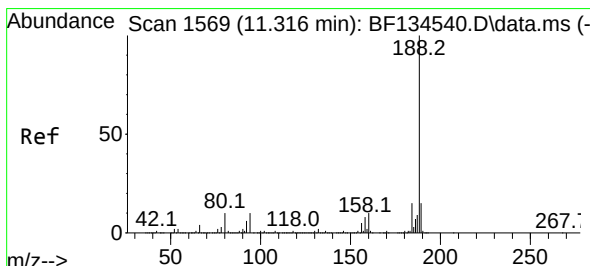
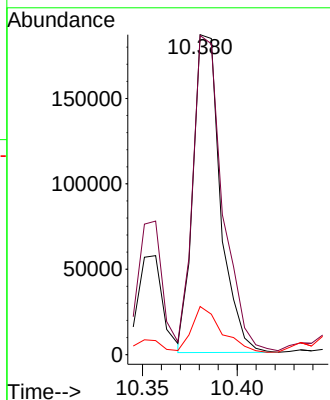
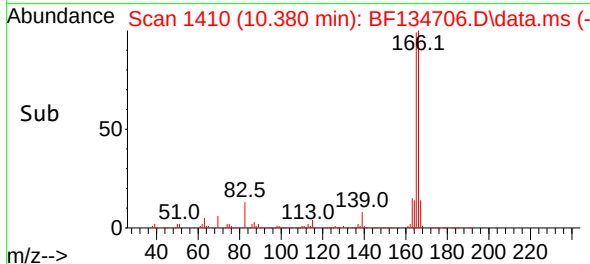
Tgt Ion:166 Resp: 187084
Ion Ratio Lower Upper
166 100
165 99.7 74.5 111.7
167 15.0 10.6 16.0

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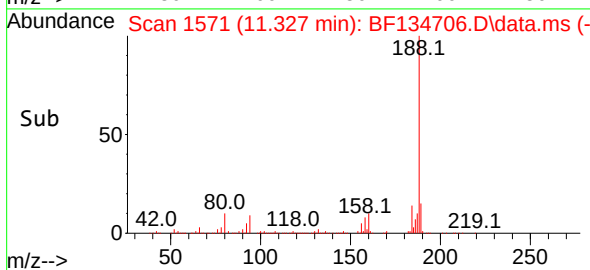
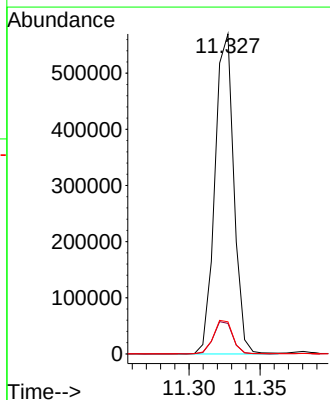
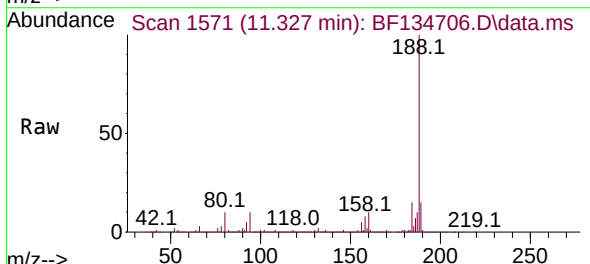
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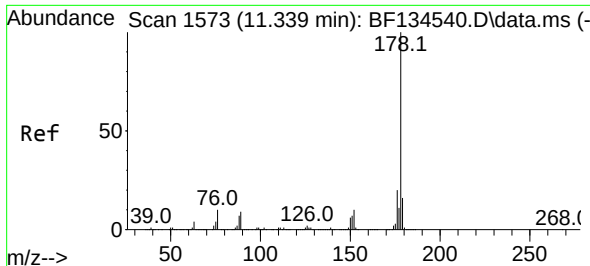
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Tgt Ion:188 Resp: 530616
Ion Ratio Lower Upper
188 100
94 9.5 5.1 7.7#
80 10.0 6.6 9.8#





#71
Phenanthrene
Concen: 39.233 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80

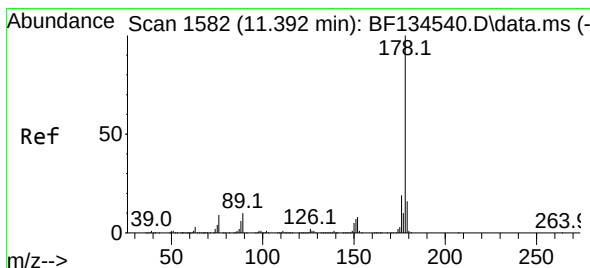
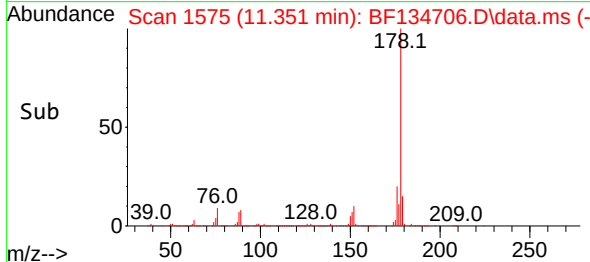
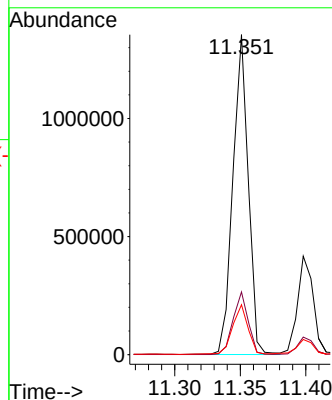
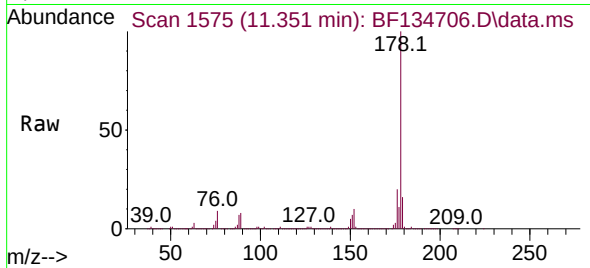
Tgt Ion:178 Resp: 110575
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.7 19.1

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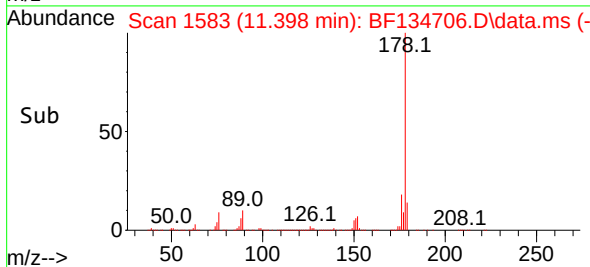
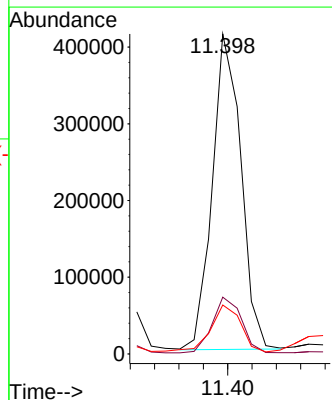
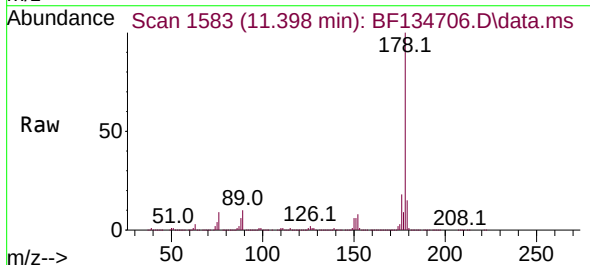
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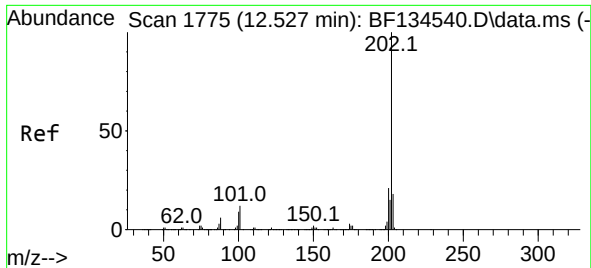
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#72
Anthracene
Concen: 11.688 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

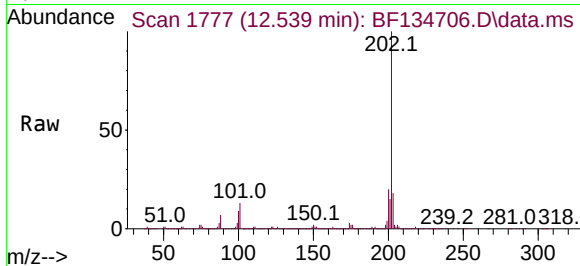
Tgt Ion:178 Resp: 336480
Ion Ratio Lower Upper
178 100
176 17.7 14.6 21.8
179 15.3 12.3 18.5





#75
Fluoranthene
Concen: 14.303 ng
RT: 12.539 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80



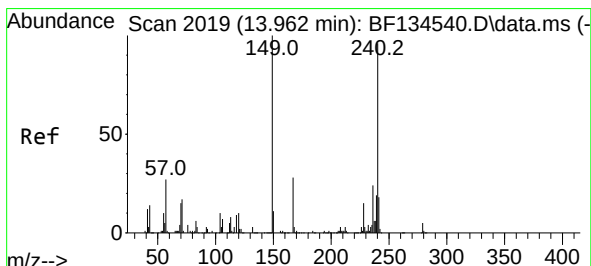
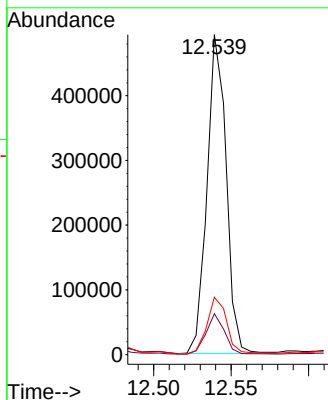
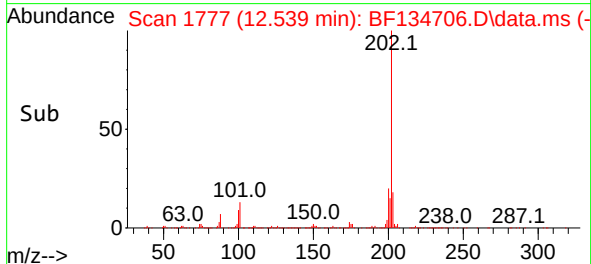
Tgt Ion:202 Resp: 425828
Ion Ratio Lower Upper
202 100
101 12.8 0.0 28.5
203 17.9 0.0 37.5

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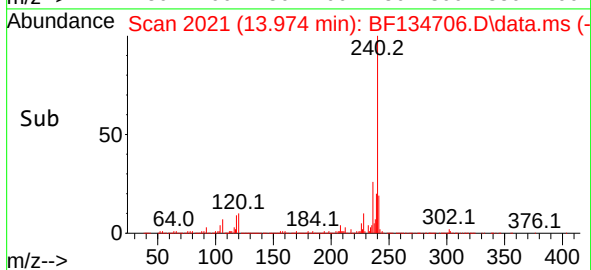
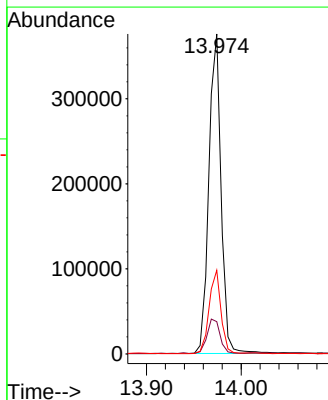
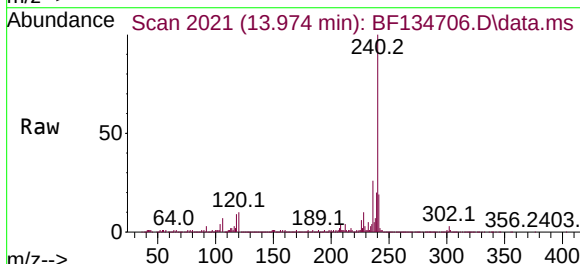
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ahmed

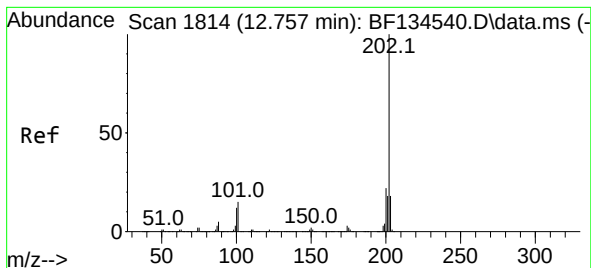
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Tgt Ion:240 Resp: 339076
Ion Ratio Lower Upper
240 100
120 10.1 6.6 10.0#
236 26.1 20.2 30.2





#78

Pyrene

Concen: 20.108 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134706.D

Acq: 10 Aug 2023 12:54

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB01-Z78-80

Tgt Ion:202 Resp: 589989
 Ion Ratio Lower Upper
 202 100
 200 20.9 15.8 23.8
 203 17.2 13.5 20.3

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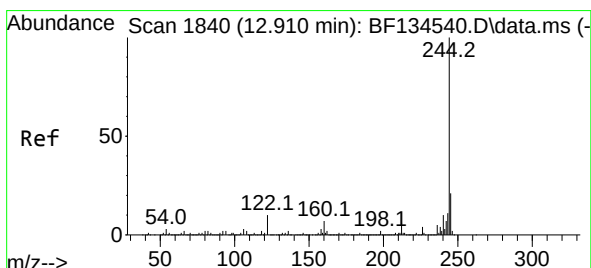
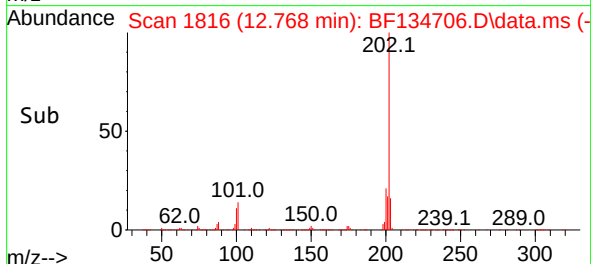
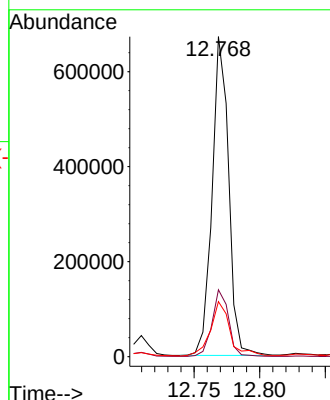
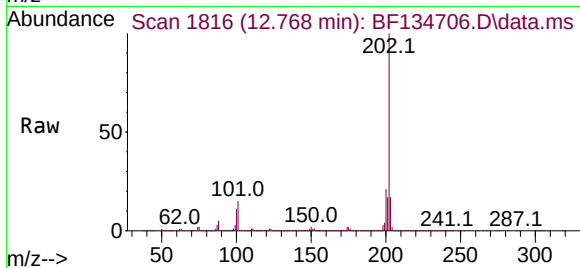
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#79

Terphenyl-d14

Concen: 1.537 ng

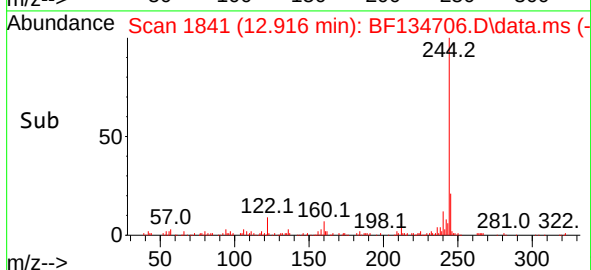
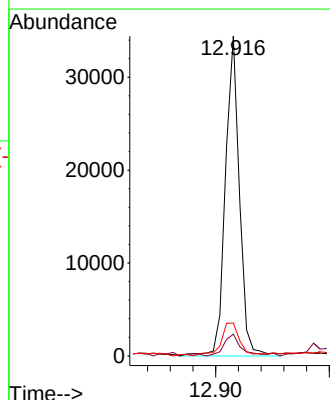
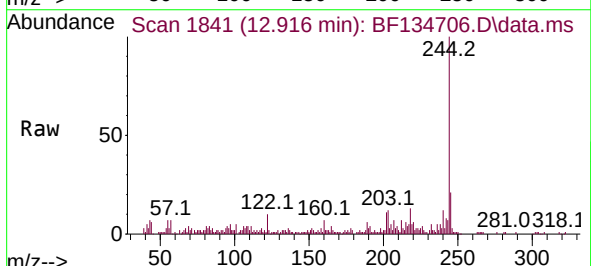
RT: 12.916 min Scan# 1841

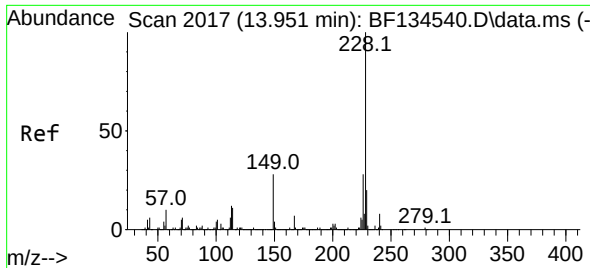
Delta R.T. -0.006 min

Lab File: BF134706.D

Acq: 10 Aug 2023 12:54

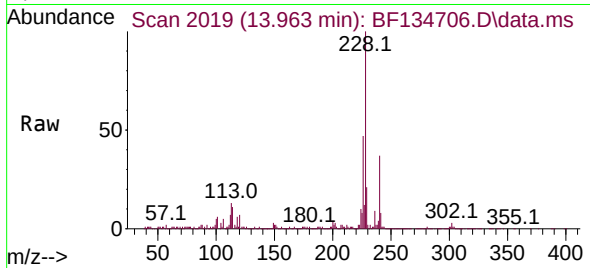
Tgt Ion:244 Resp: 29561
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.3 8.0 12.0





#81
Benzo(a)anthracene
Concen: 9.764 ng m
RT: 13.963 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80



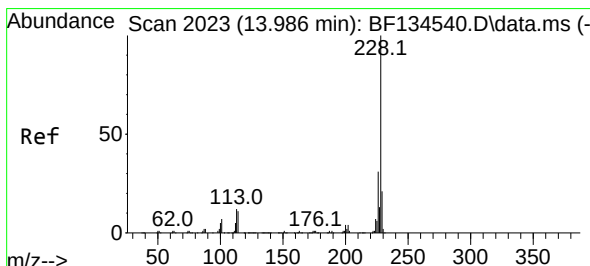
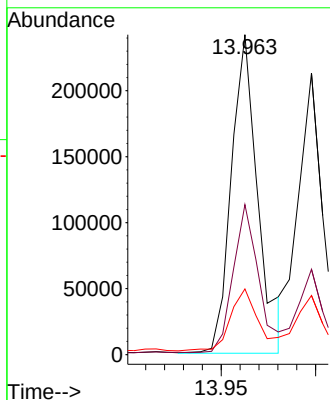
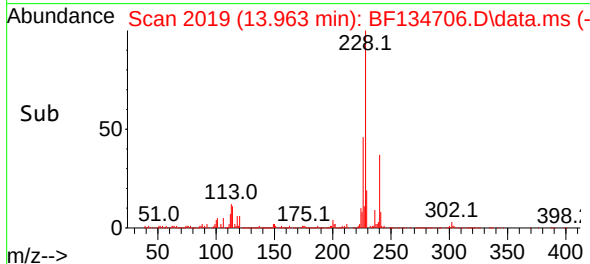
Tgt Ion:228 Resp: 236744
Ion Ratio Lower Upper
228 100
226 46.9 22.3 33.5
229 20.5 15.8 23.6

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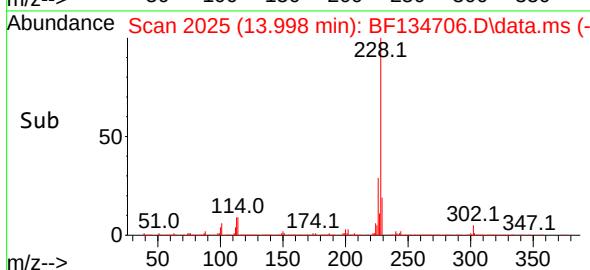
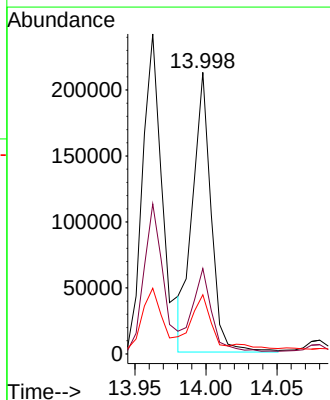
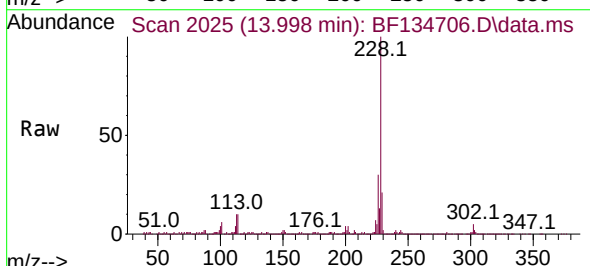
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ahmed

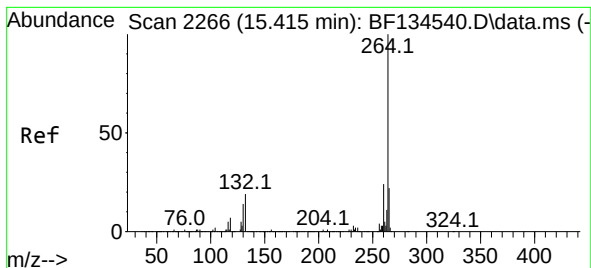
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#83
Chrysene
Concen: 8.141 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

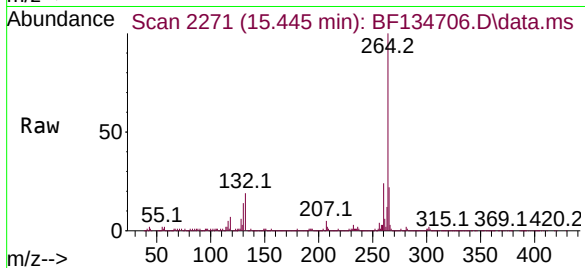
Tgt Ion:228 Resp: 192309
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.0 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80



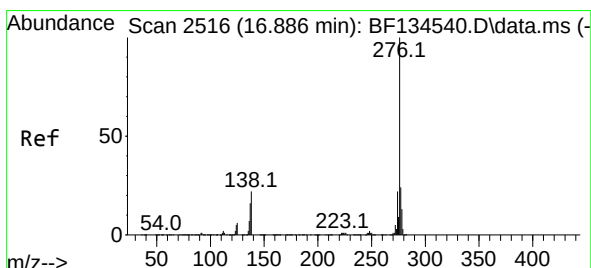
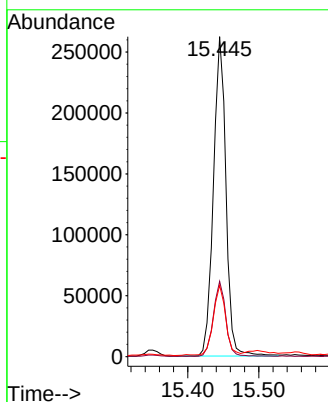
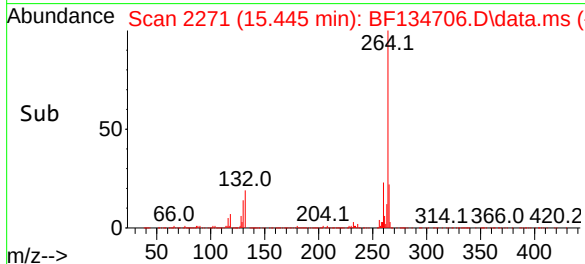
Tgt Ion:264 Resp: 32202
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 22.3 15.8 23.8

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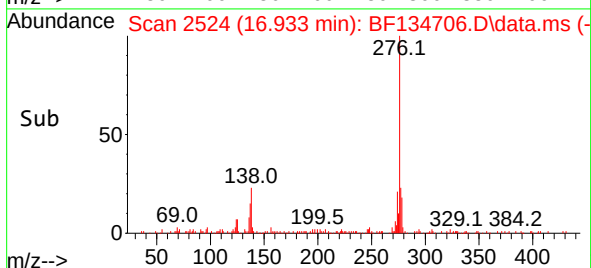
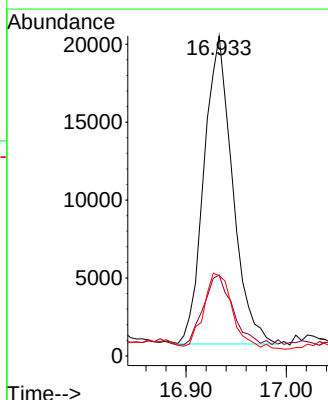
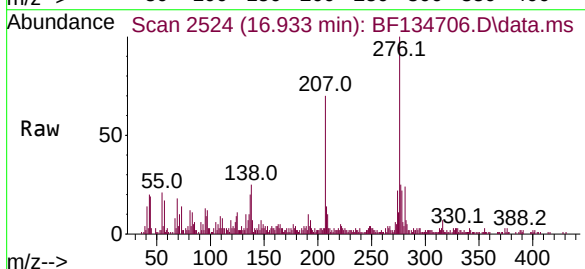
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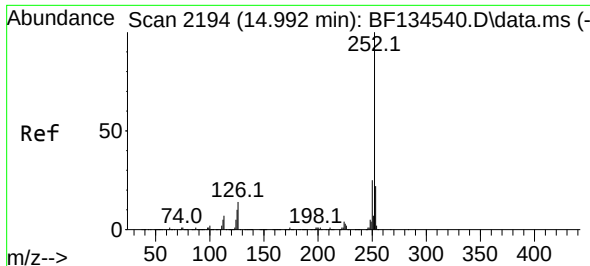
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.063 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

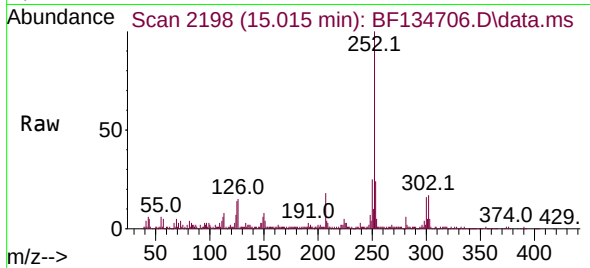
Tgt Ion:276 Resp: 39065
Ion Ratio Lower Upper
276 100
138 23.3 14.2 21.4#
277 25.1 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 5.754 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80



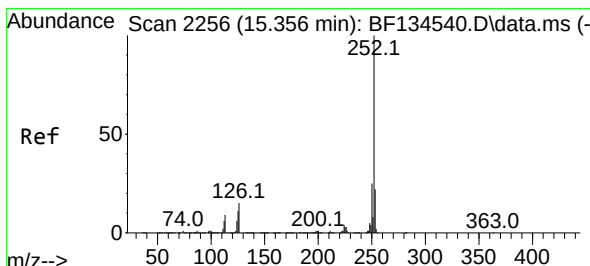
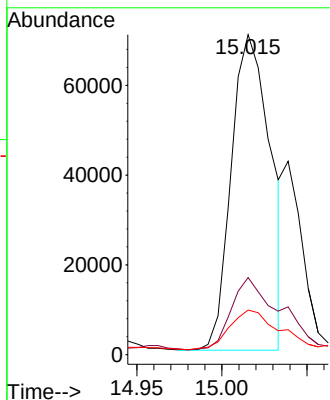
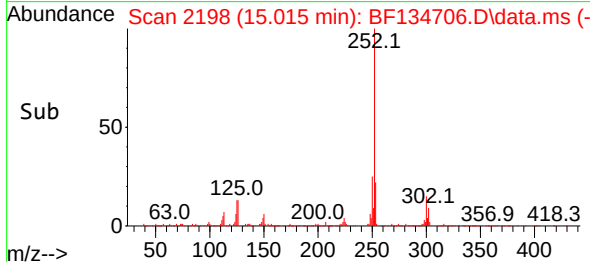
Tgt Ion:252 Resp: 113007
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 13.9 6.0 9.0

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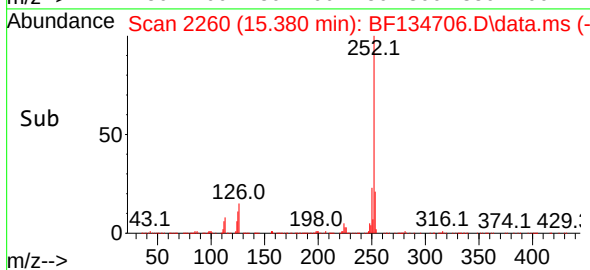
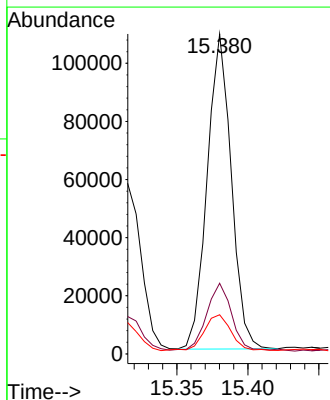
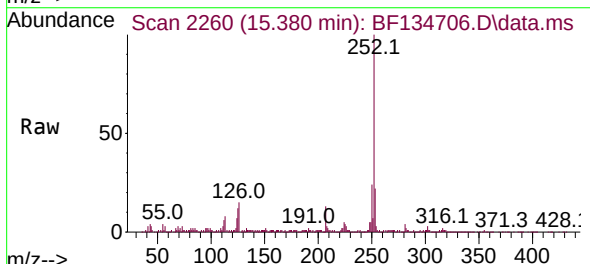
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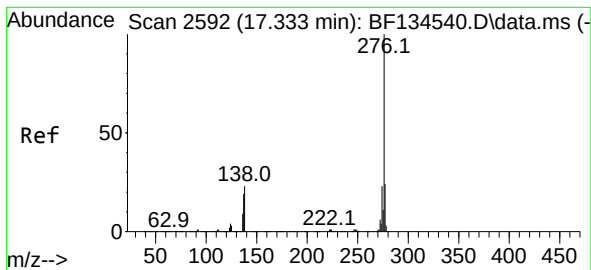
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#90
Benzo(a)pyrene
Concen: 6.995 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF134706.D
Acq: 10 Aug 2023 12:54

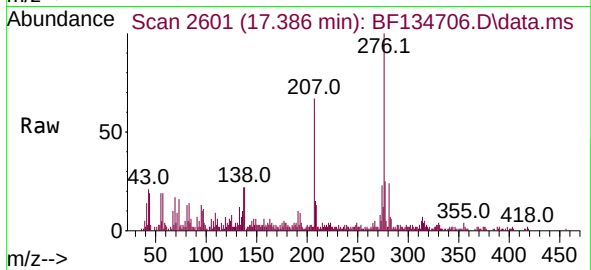
Tgt Ion:252 Resp: 128085
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 12.2 6.2 9.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.819 ng
 RT: 17.386 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134706.D
 Acq: 10 Aug 2023 12:54

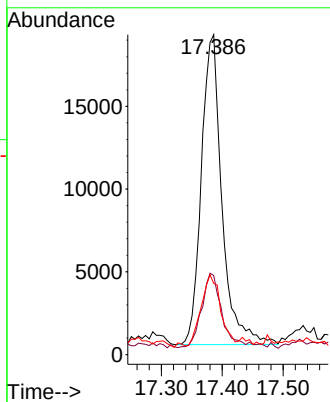
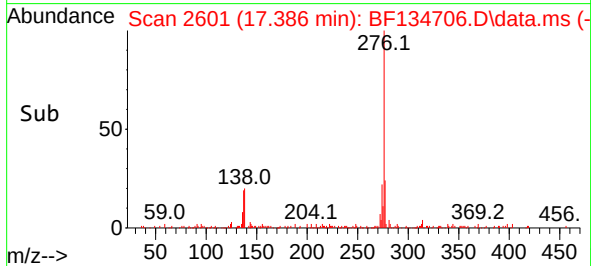
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB01-Z78-80



Tgt Ion:	276	Resp:	4401
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.0	28.6
138	22.2	12.2	18.2

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