

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135966.D
 Acq On : 26 Oct 2023 16:37
 Operator : CG\JU
 Sample : 05039-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 26 17:07:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	170822	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	648867	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	287487	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	417694	20.000	ng	0.00
76) Chrysene-d12	14.010	240	335212	20.000	ng	0.00
86) Perylene-d12	15.498	264	277539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	885843	80.077	ng	0.00
7) Phenol-d6	6.451	99	1081387	78.519	ng	0.00
23) Nitrobenzene-d5	7.386	82	623686	64.711	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	183608	72.966	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1136996	63.329	ng	0.00
79) Terphenyl-d14	12.951	244	976676	48.680	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	210854	6.721	ng	98
37) 2-Methylnaphthalene	8.816	142	132859	6.401	ng	99
38) 1-Methylnaphthalene	8.916	142	133573	6.887	ng	98
49) Acenaphthylene	9.722	152	91895	3.615	ng	98
52) Acenaphthene	9.892	154	73402	4.506	ng	99
58) Fluorene	10.410	166	122066	6.933	ng	98
71) Phenanthrene	11.380	178	925558	43.798	ng	100
72) Anthracene	11.427	178	257309	11.892	ng	99
75) Fluoranthene	12.569	202	593595	26.700	ng	98
78) Pyrene	12.804	202	896613	31.856	ng	99
81) Benzo(a)anthracene	13.998	228	390842m	17.148	ng	
83) Chrysene	14.033	228	373153	16.809	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	34983	3.023	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.998	276	100989	6.417	ng	98
88) Benzo(b)fluoranthene	15.062	252	298728m	18.086	ng	
89) Benzo(k)fluoranthene	15.086	252	77280m	4.764	ng	
90) Benzo(a)pyrene	15.433	252	240057	15.770	ng	97
91) Dibenzo(a,h)anthracene	17.015	278	28812	2.140	ng	# 82
92) Benzo(g,h,i)perylene	17.456	276	110234	10.396	ng	98

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

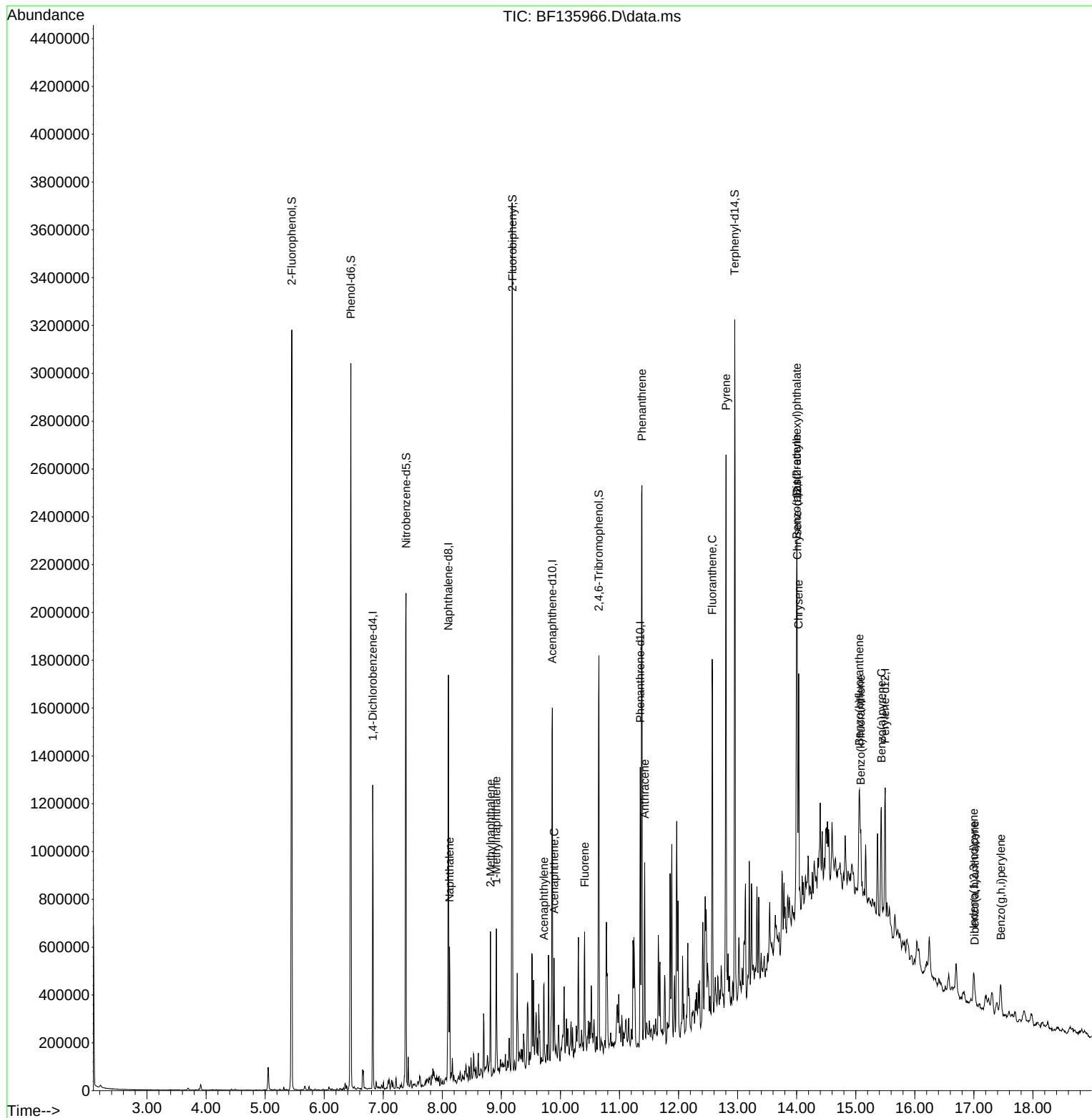
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

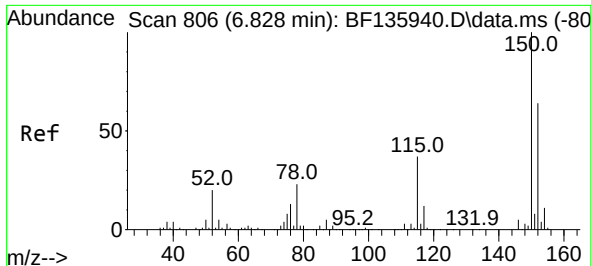
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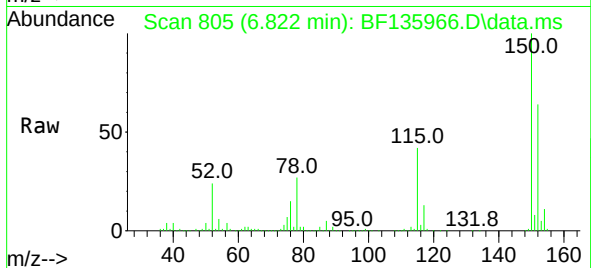
Quant Time: Oct 26 17:07:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 26 03:58:01 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

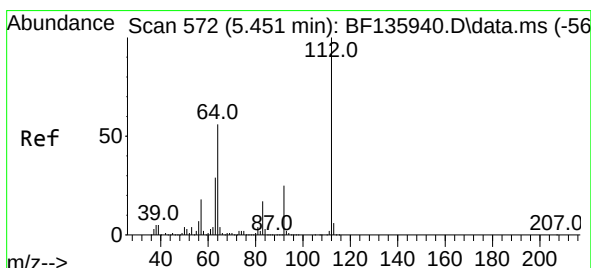
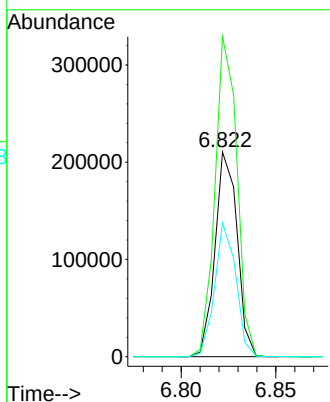
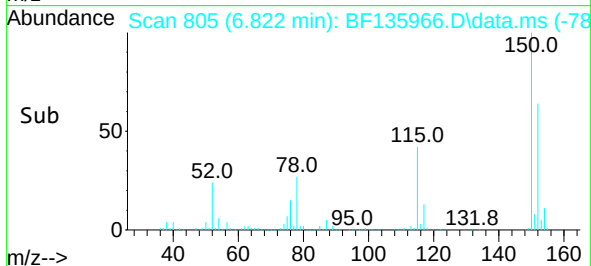
Instrument :
BNA_F
ClientSampleId :
MMFB-3



Tgt Ion:152 Resp: 170822
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 65.3 46.6 69.8

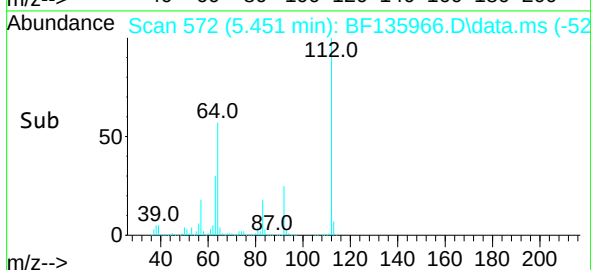
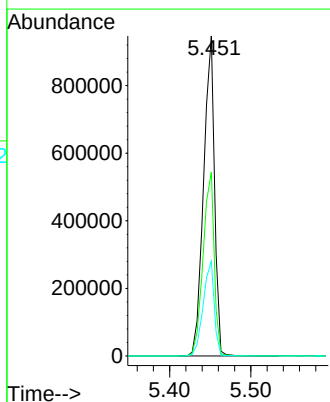
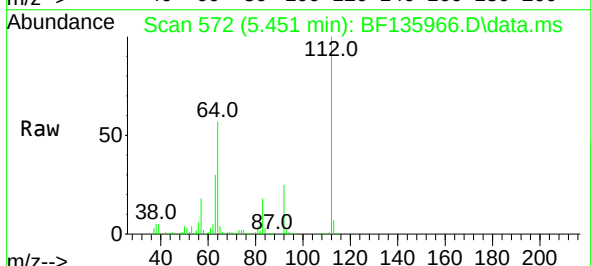
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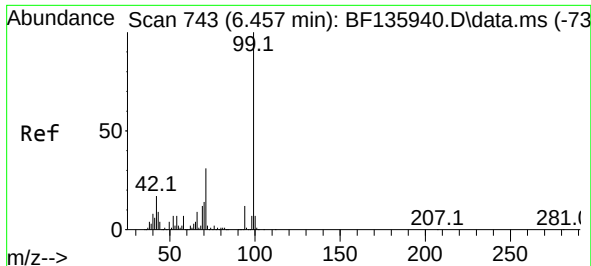
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#5
2-Fluorophenol
Concen: 80.077 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

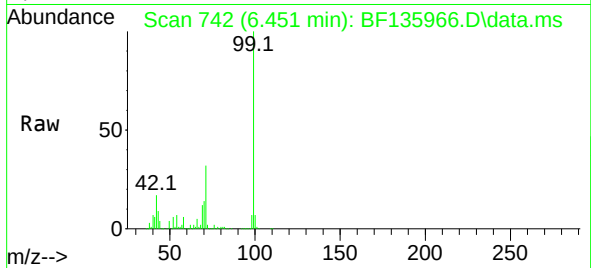
Tgt Ion:112 Resp: 885843
Ion Ratio Lower Upper
112 100
64 57.4 45.1 67.7
63 29.6 23.0 34.4





#7
Phenol-d6
Concen: 78.519 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

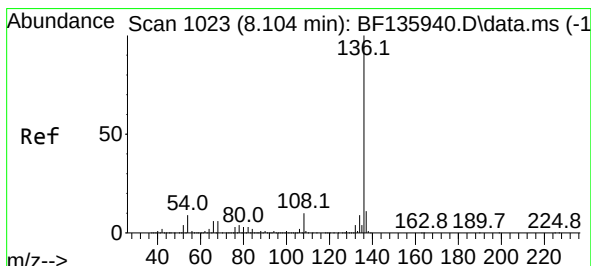
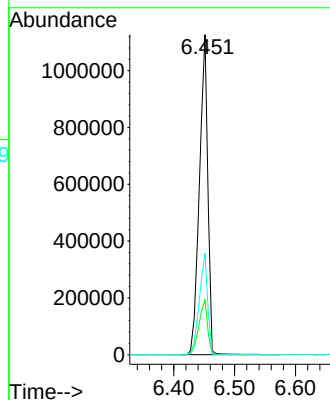
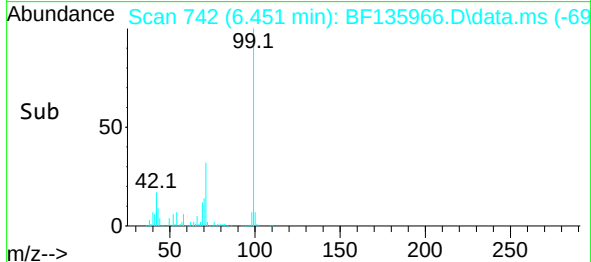
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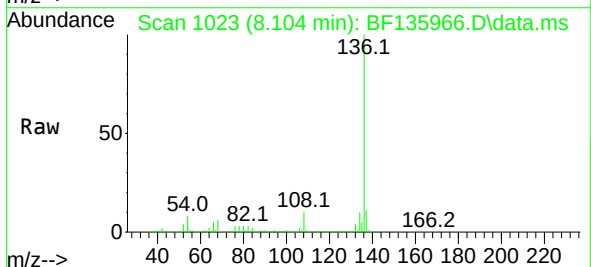
Tgt Ion: 99 Resp: 108138
Ion Ratio Lower Upper
99 100
42 17.1 13.8 20.8
71 31.7 25.1 37.7

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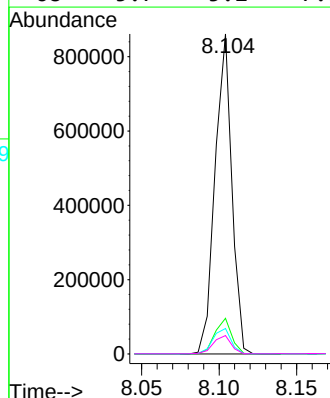
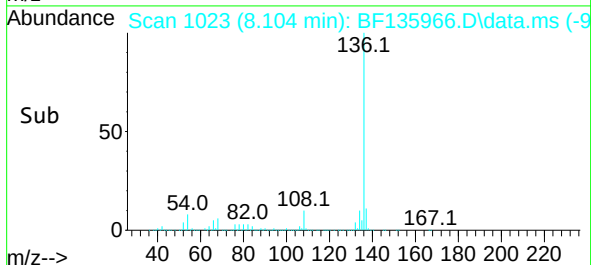
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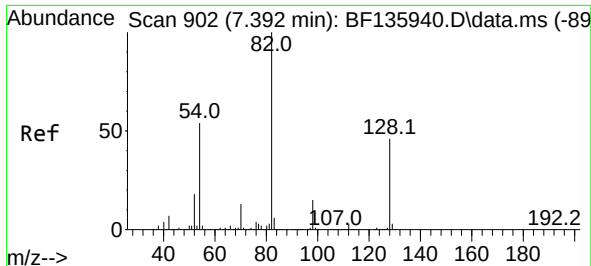


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37



Tgt Ion:136 Resp: 648867
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 8.0 7.1 10.7
68 5.7 5.2 7.8





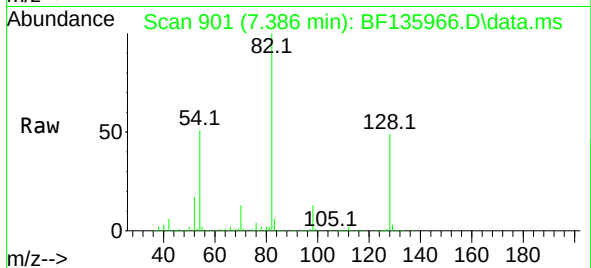
#23
Nitrobenzene-d5
Concen: 64.711 ng
RT: 7.386 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3

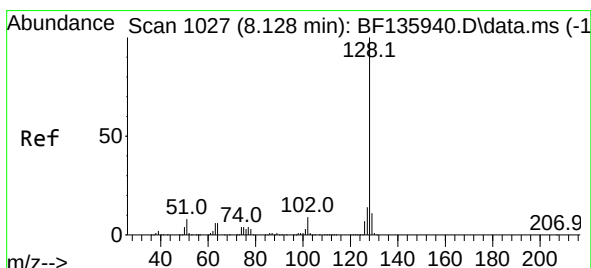
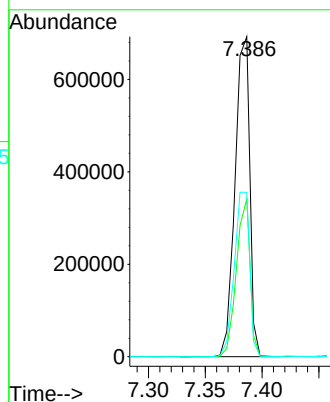
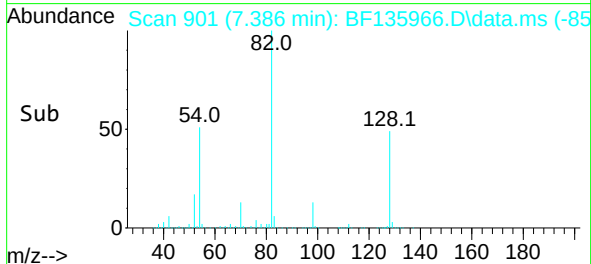


Tgt Ion: 82 Resp: 623680
Ion Ratio Lower Upper
82 100
128 49.3 36.8 55.2
54 51.3 43.4 65.0

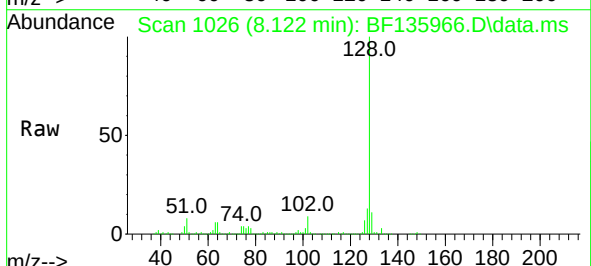
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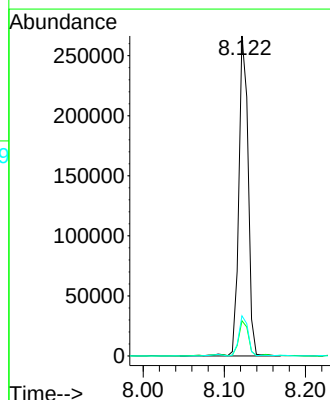
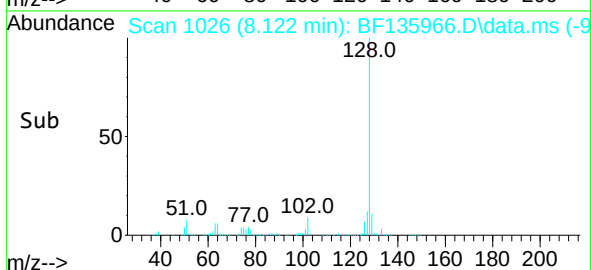
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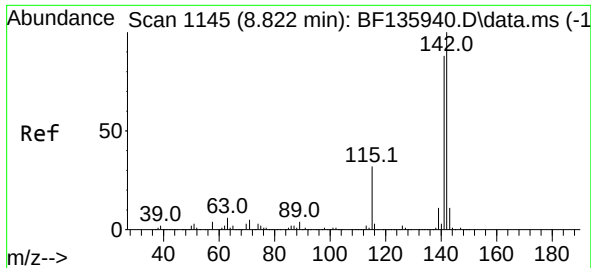


#31
Naphthalene
Concen: 6.721 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37



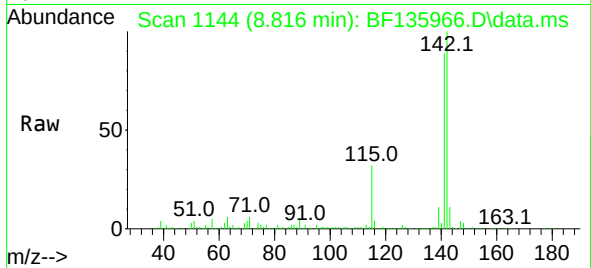
Tgt Ion:128 Resp: 210854
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 12.6 10.9 16.3





#37
2-Methylnaphthalene
Concen: 6.401 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

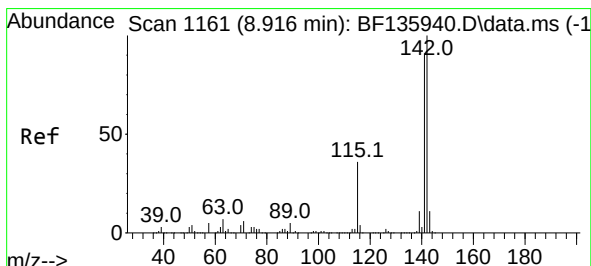
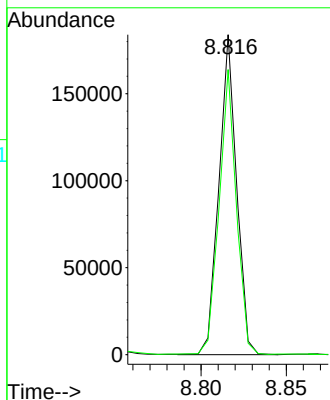
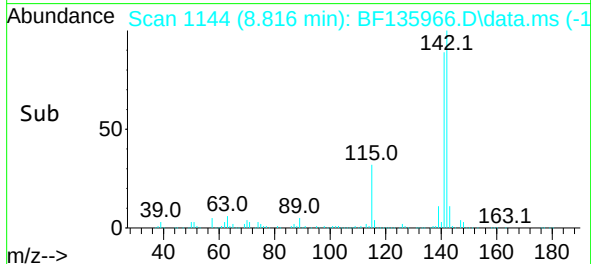
Instrument :
BNA_F
ClientSampleId :
MMFB-3



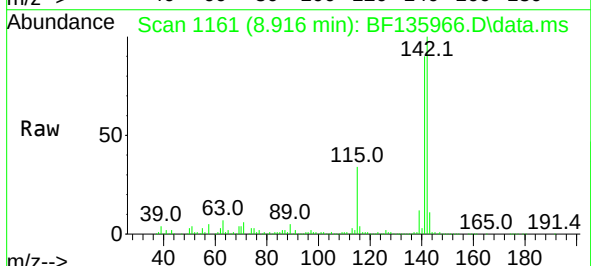
Tgt Ion:142 Resp: 132859
Ion Ratio Lower Upper
142 100
141 89.1 70.4 105.6

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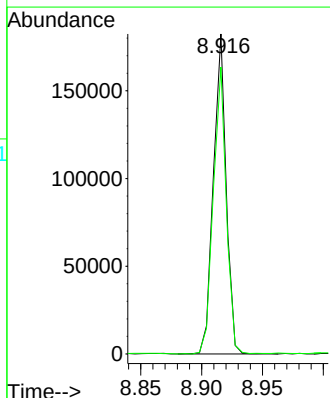
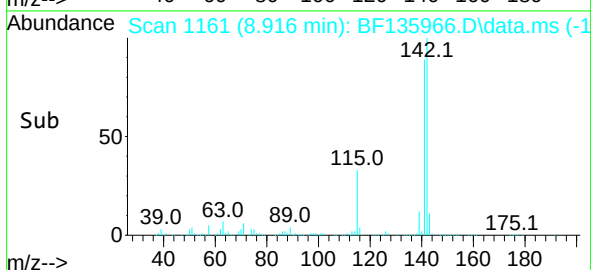
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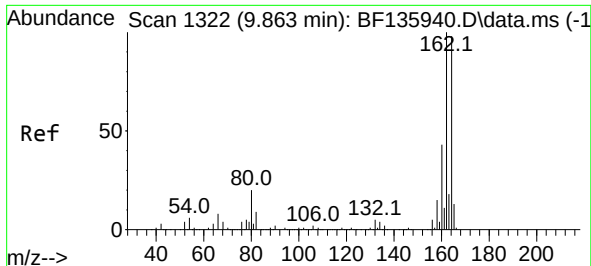


#38
1-Methylnaphthalene
Concen: 6.887 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37



Tgt Ion:142 Resp: 133573
Ion Ratio Lower Upper
142 100
141 89.6 73.1 109.7





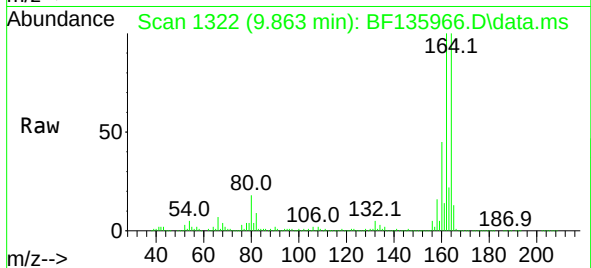
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3

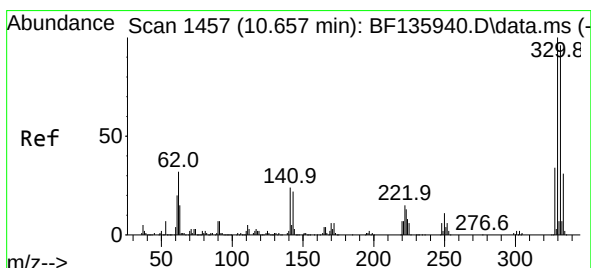
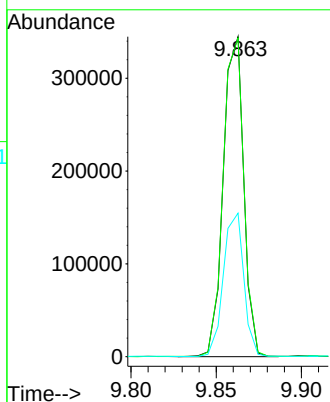
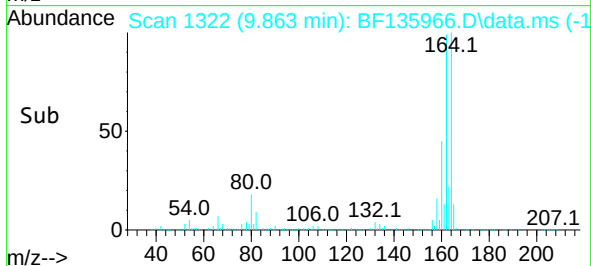


Tgt Ion:164 Resp: 28748
Ion Ratio Lower Upper
164 100
162 99.6 82.0 123.0
160 44.9 35.6 53.4

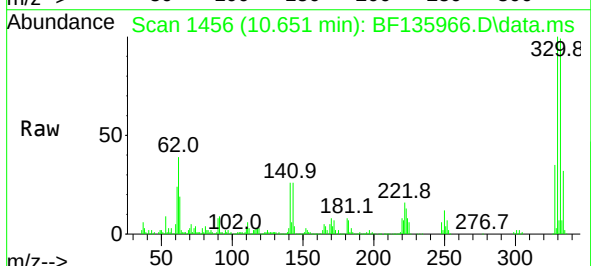
Manual Integrations

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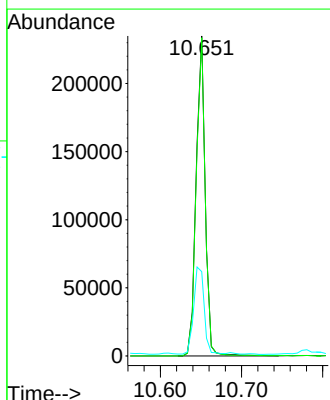
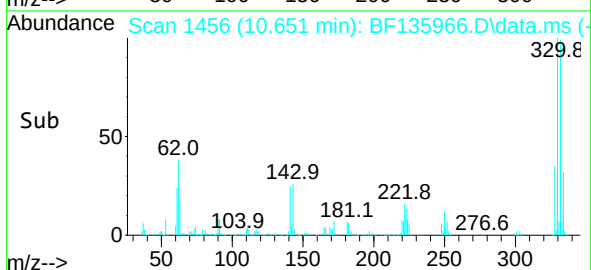
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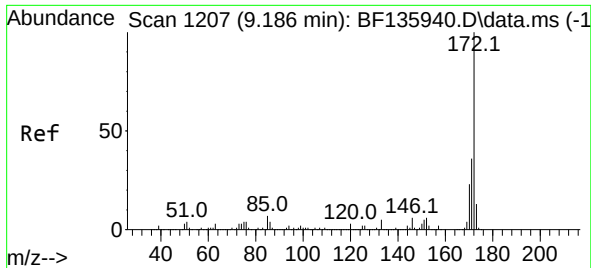


#42
2,4,6-Tribromophenol
Concen: 72.966 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37



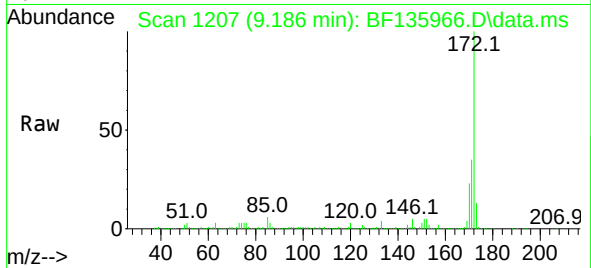
Tgt Ion:330 Resp: 183608
Ion Ratio Lower Upper
330 100
332 98.3 77.4 116.2
141 31.3 24.9 37.3





#45
2-Fluorobiphenyl
Concen: 63.329 ng
RT: 9.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

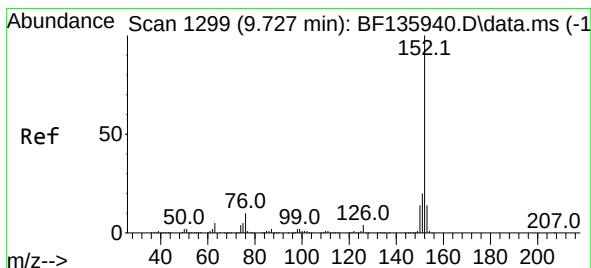
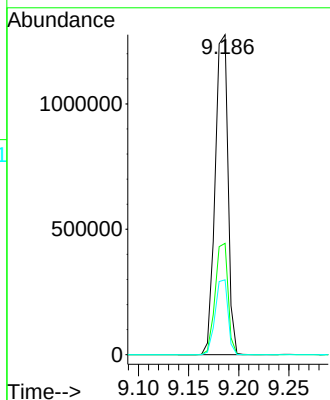
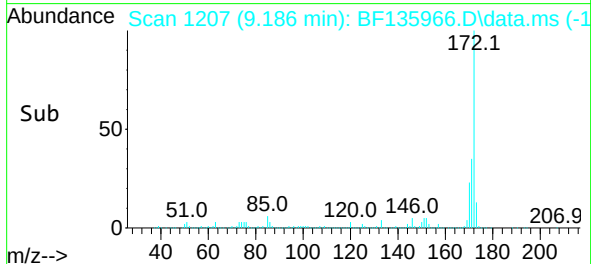
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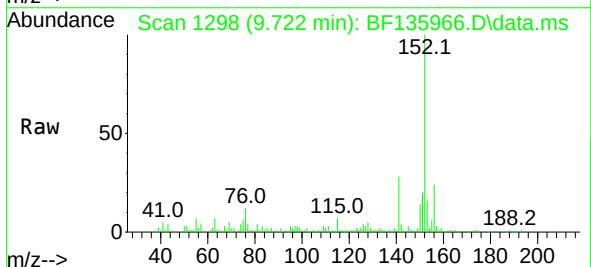
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Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.4 18.6 28.0

Manual Integrations
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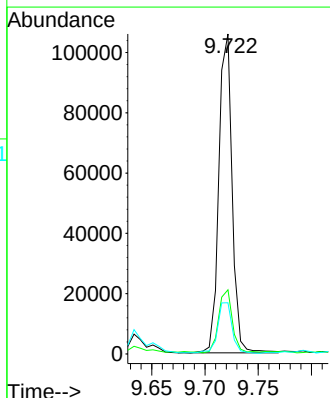
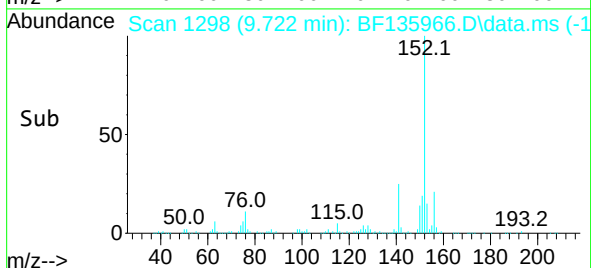
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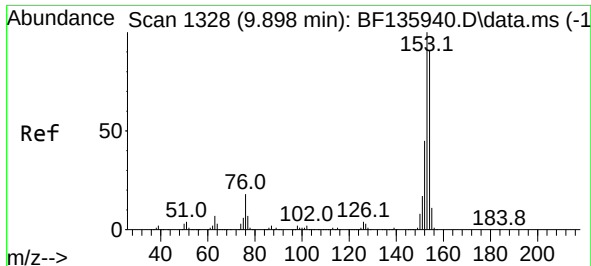


#49
Acenaphthylene
Concen: 3.615 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37



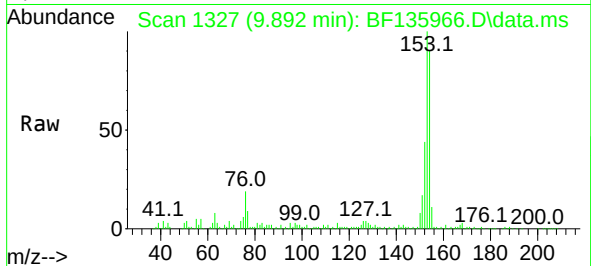
Tgt Ion:152 Resp: 91895
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 16.0 11.0 16.6





#52
Acenaphthene
Concen: 4.506 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

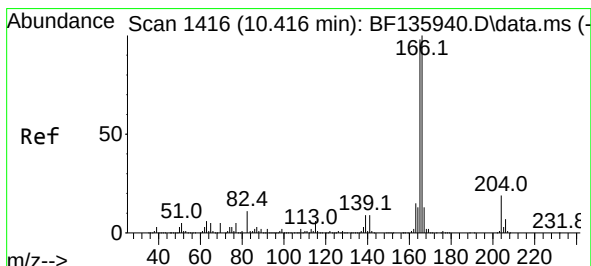
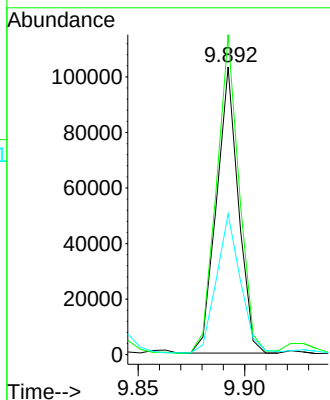
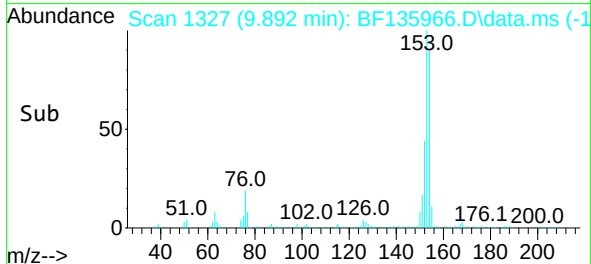
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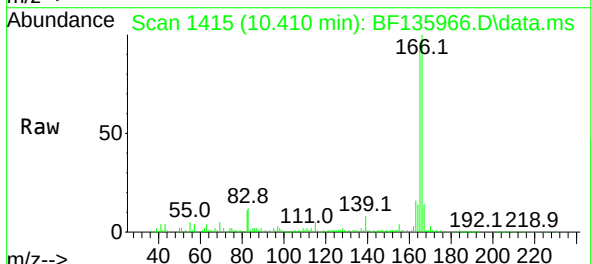
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Ion Ratio Lower Upper
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153 111.2 88.0 132.0
152 49.0 39.4 59.2

Manual Integrations
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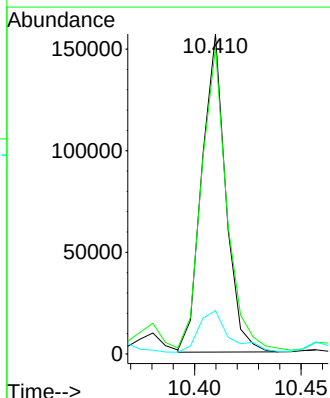
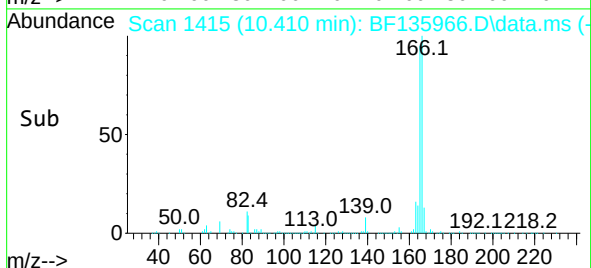
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

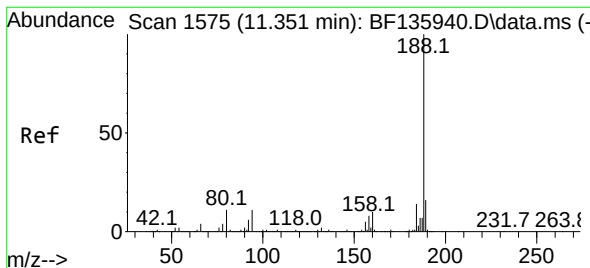


#58
Fluorene
Concen: 6.933 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37



Tgt Ion:166 Resp: 122066
Ion Ratio Lower Upper
166 100
165 95.8 78.0 117.0
167 13.5 10.6 16.0





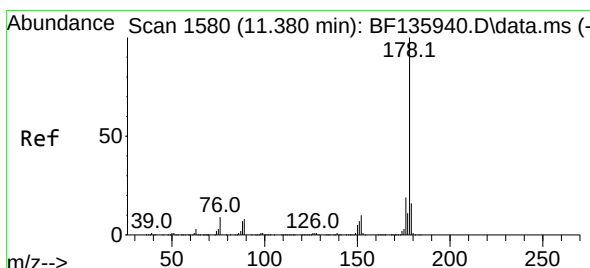
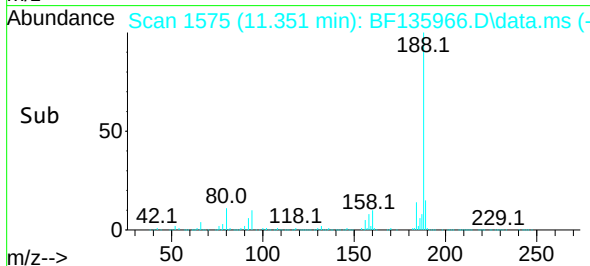
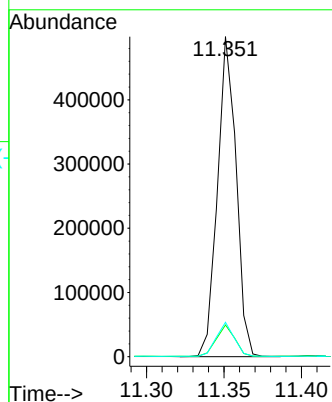
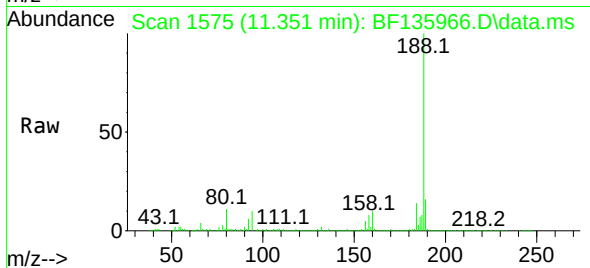
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

Instrument :
BNA_F
ClientSampleId :
MMFB-3

Tgt Ion:188 Resp: 417694
Ion Ratio Lower Upper
188 100
94 9.9 8.6 13.0
80 10.8 9.0 13.6

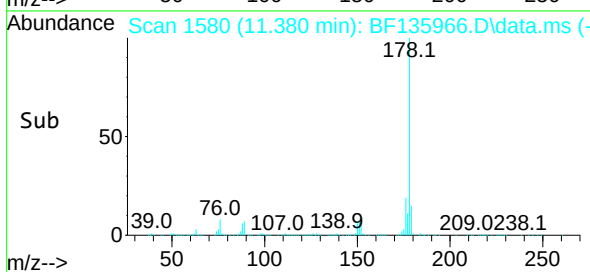
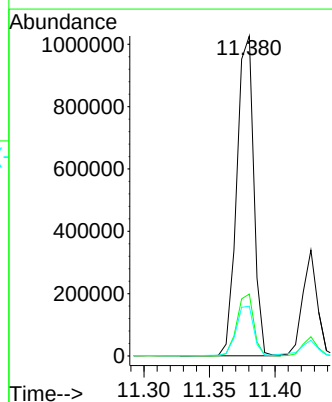
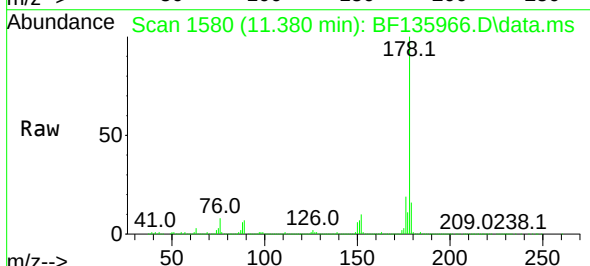
Manual Integrations
APPROVED

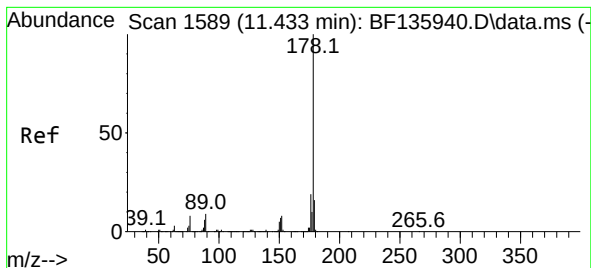
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#71
Phenanthrene
Concen: 43.798 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

Tgt Ion:178 Resp: 925558
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.6 12.5 18.7





#72

Anthracene

Concen: 11.892 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3

Tgt Ion:178 Resp: 257309

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

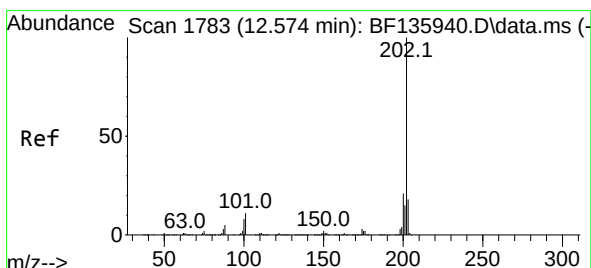
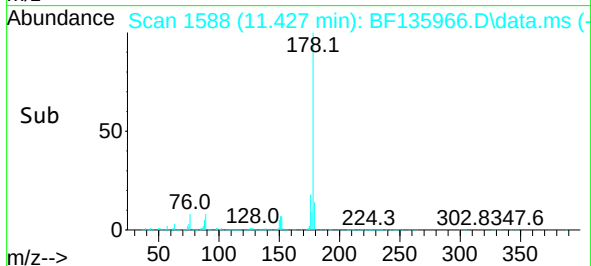
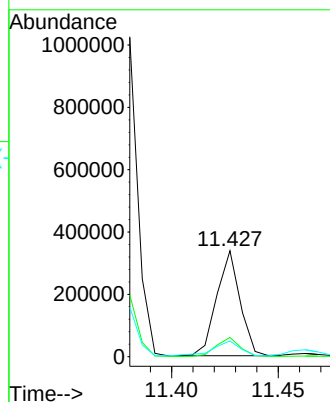
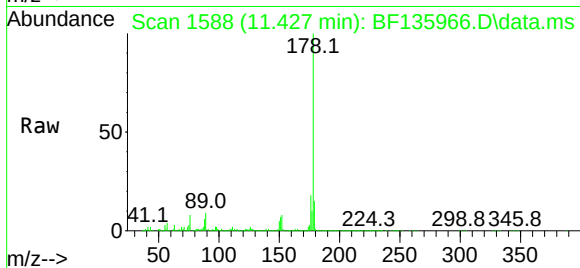
179 14.8 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#75

Fluoranthene

Concen: 26.700 ng

RT: 12.569 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

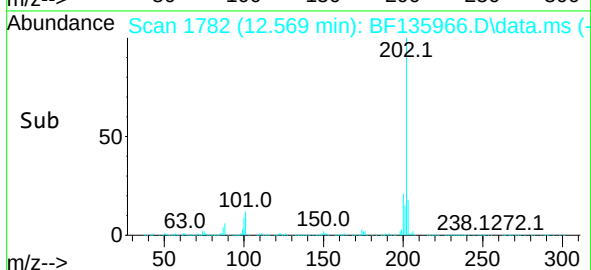
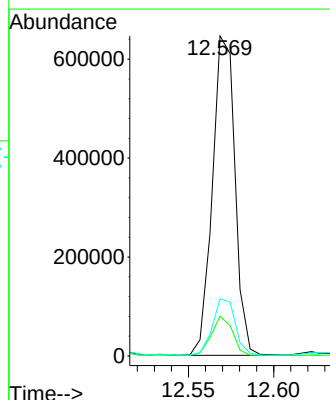
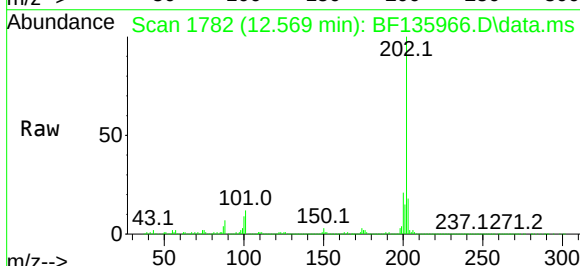
Tgt Ion:202 Resp: 593595

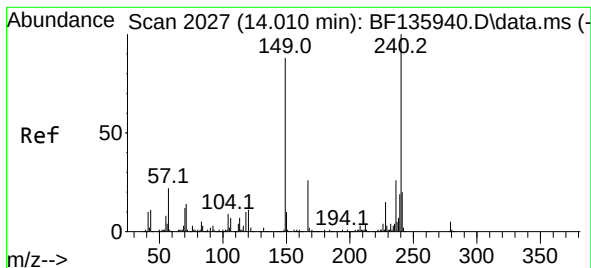
Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.6

203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3

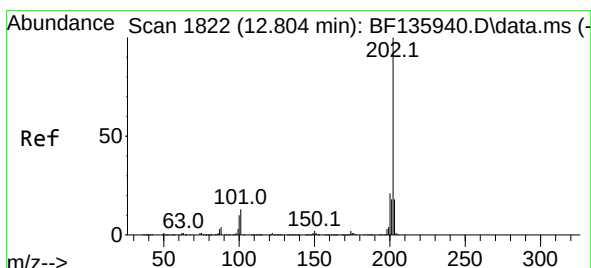
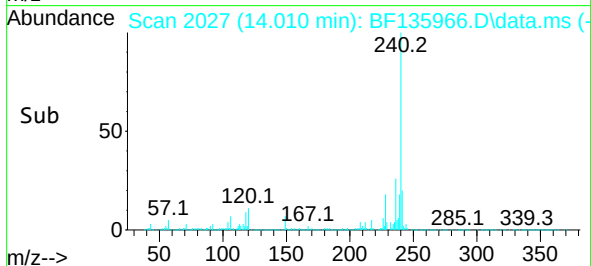
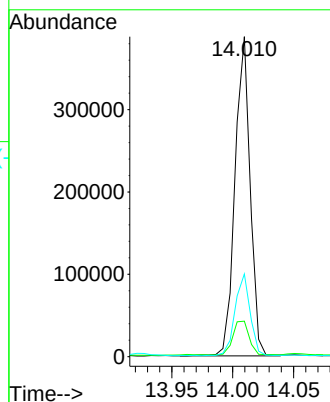
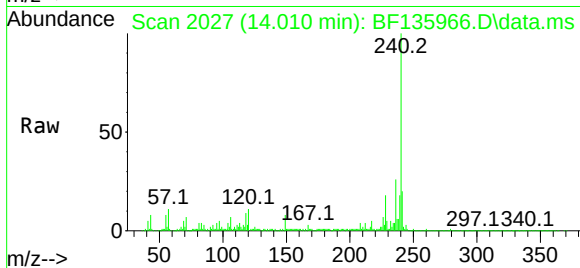
Tgt Ion:240 Resp: 335212
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.6 13.0
 236 25.9 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#78

Pyrene

Concen: 31.856 ng

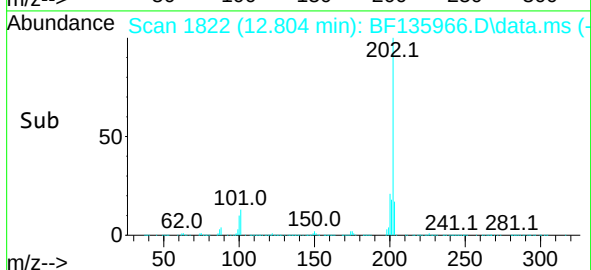
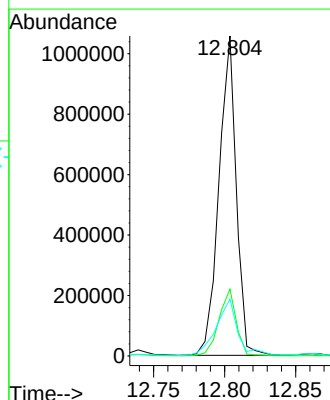
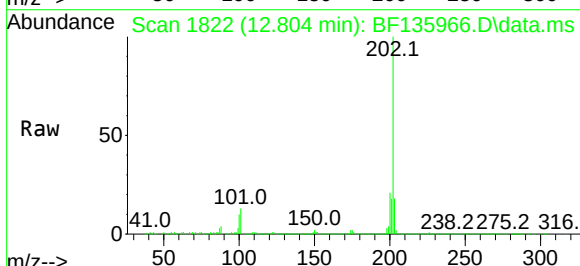
RT: 12.804 min Scan# 1822

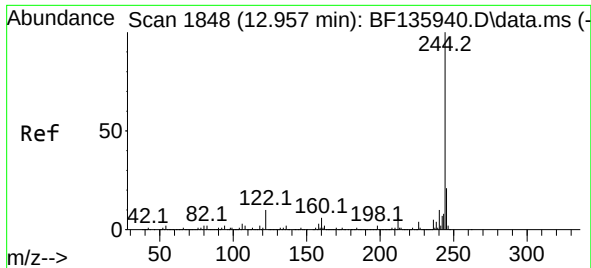
Delta R.T. 0.000 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

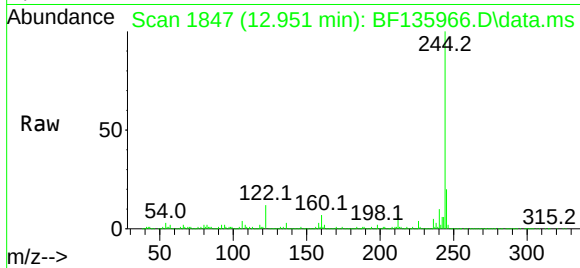
Tgt Ion:202 Resp: 896613
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.6
 203 17.8 14.5 21.7





#79
 Terphenyl-d14
 Concen: 48.680 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF135966.D
 Acq: 26 Oct 2023 16:37

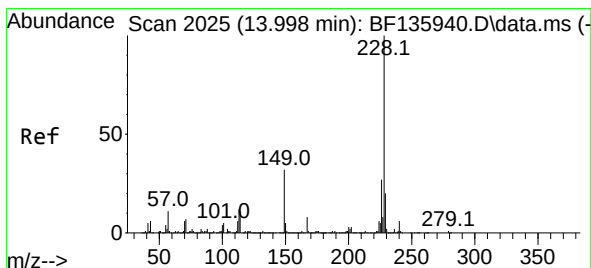
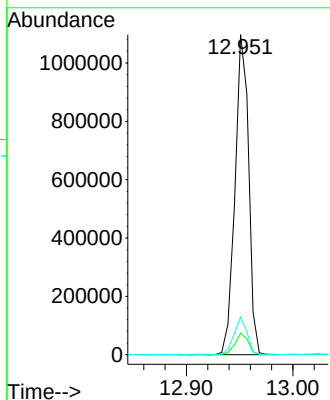
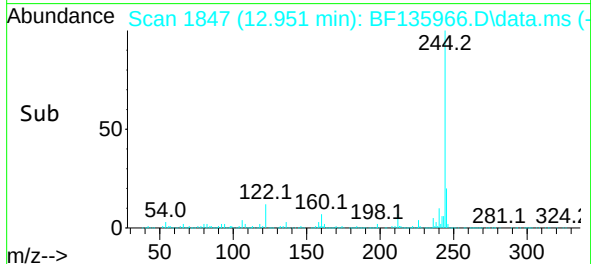
Instrument :
 BNA_F
 ClientSampleId :
 MMFB-3



Tgt Ion:244 Resp: 976670
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.6
 122 11.8 8.0 12.0

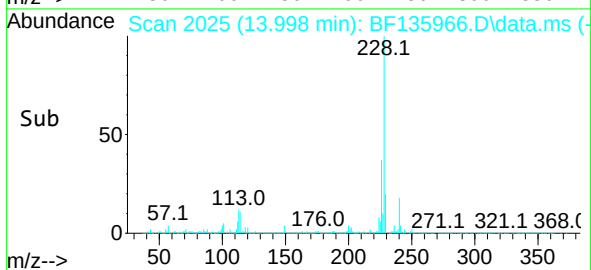
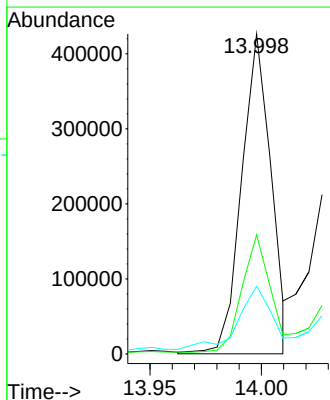
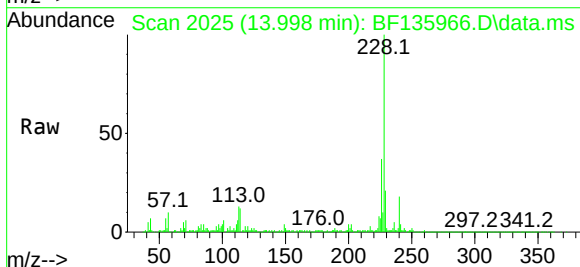
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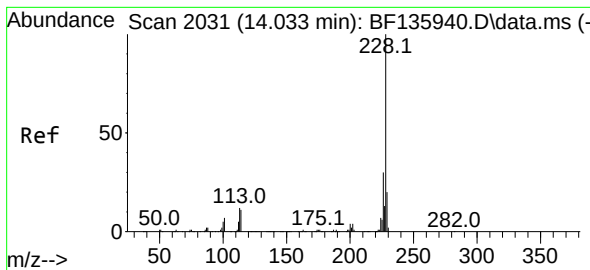
Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



#81
 Benzo(a)anthracene
 Concen: 17.148 ng m
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF135966.D
 Acq: 26 Oct 2023 16:37

Tgt Ion:228 Resp: 390842
 Ion Ratio Lower Upper
 228 100
 226 37.2 21.8 32.6#
 229 21.2 16.2 24.4





#83

Chrysene

Concen: 16.809 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3

Tgt Ion:228 Resp: 37315

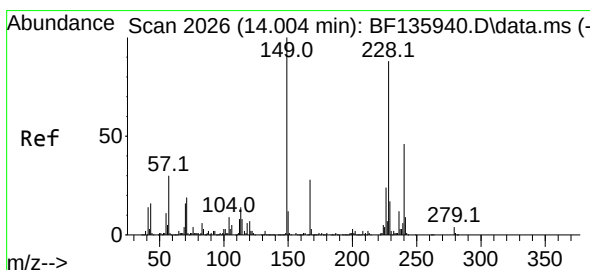
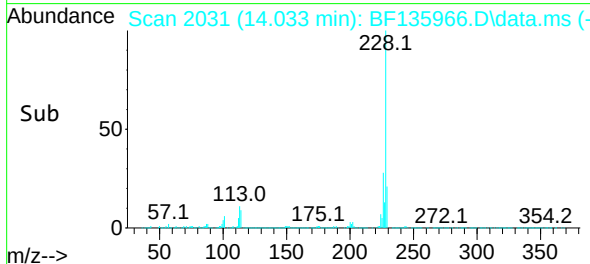
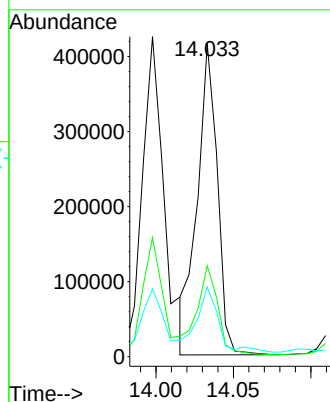
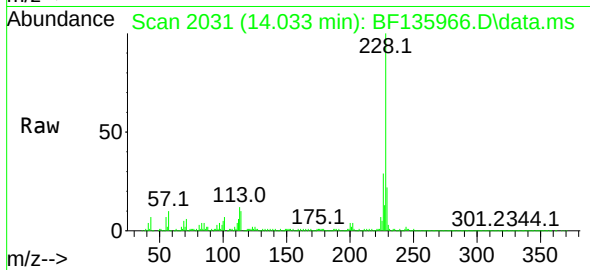
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	22.3	16.2	24.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.023 ng

RT: 14.004 min Scan# 2026

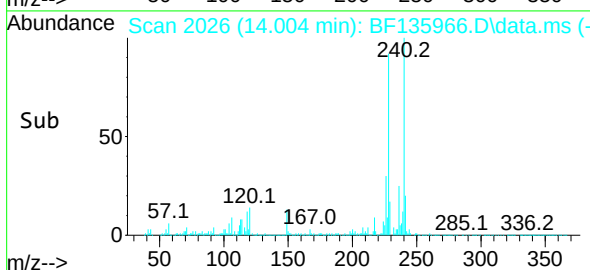
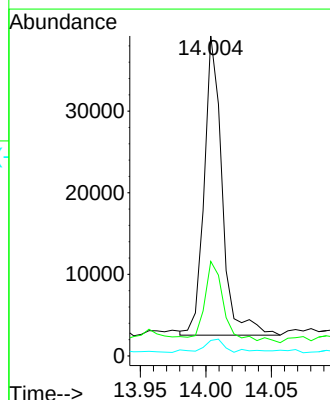
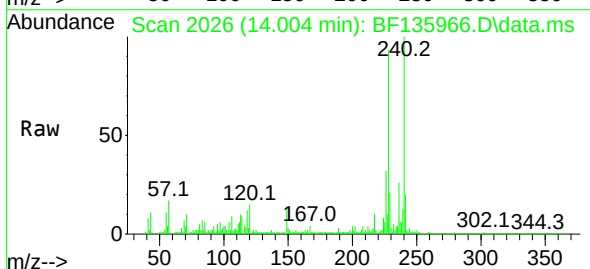
Delta R.T. 0.000 min

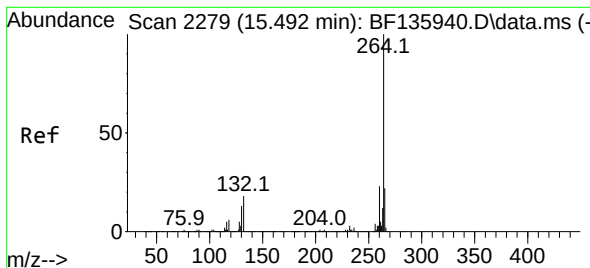
Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

Tgt Ion:149 Resp: 34983

Ion	Ratio	Lower	Upper
149	100		
167	29.6	22.2	33.2
279	4.9	3.1	4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3

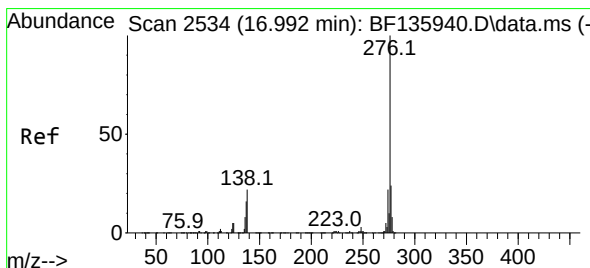
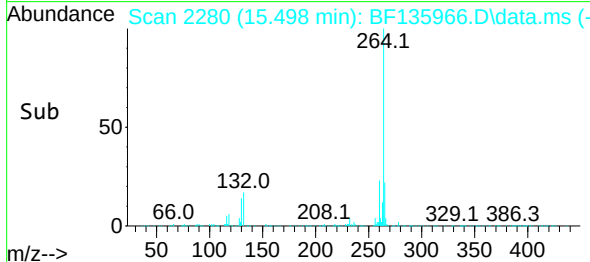
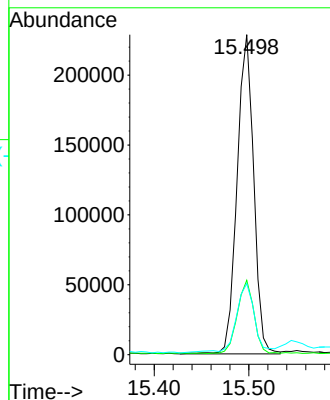
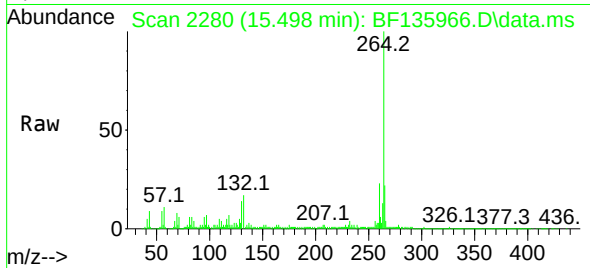
Tgt Ion:264 Resp: 277539
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 22.2 17.3 25.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.417 ng

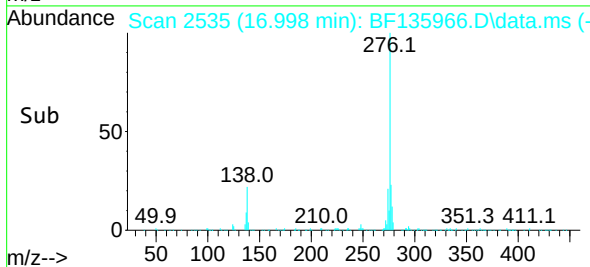
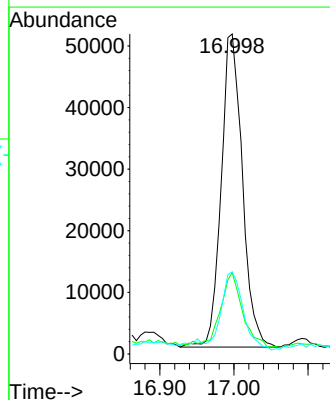
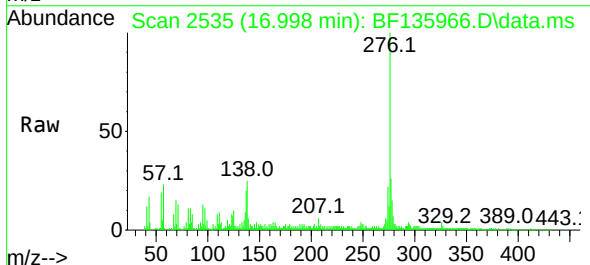
RT: 16.998 min Scan# 2535

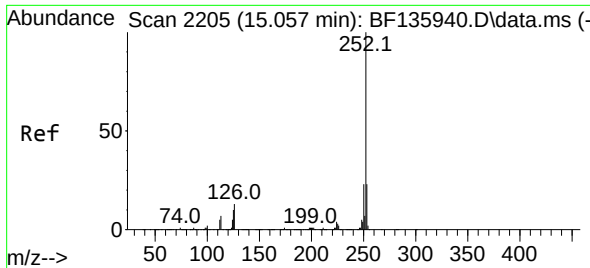
Delta R.T. 0.006 min

Lab File: BF135966.D

Acq: 26 Oct 2023 16:37

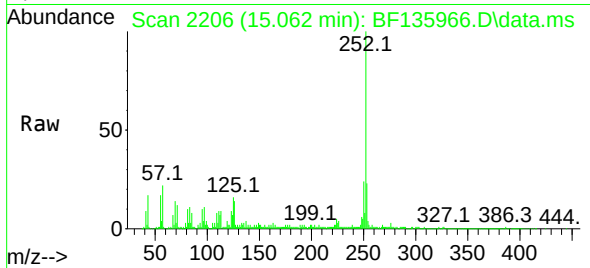
Tgt Ion:276 Resp: 100989
 Ion Ratio Lower Upper
 276 100
 138 25.5 21.8 32.6
 277 25.6 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 18.086 ng m
RT: 15.062 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

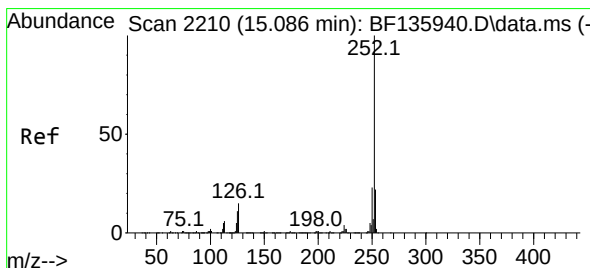
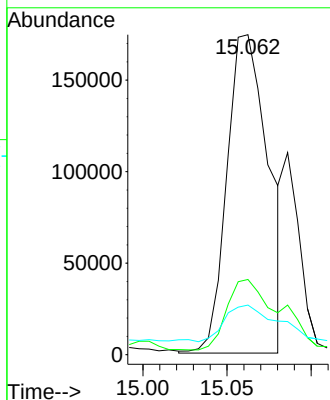
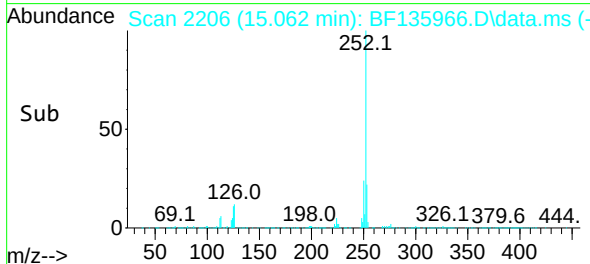
Instrument :
BNA_F
ClientSampleId :
MMFB-3



Tgt Ion:252 Resp: 298728
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 15.5 8.2 12.4

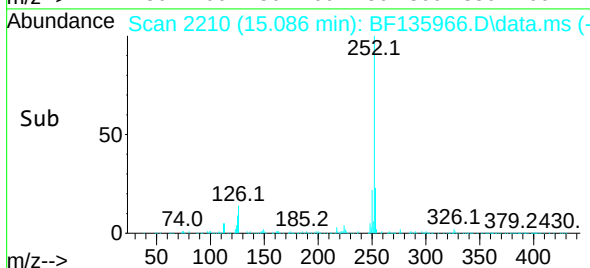
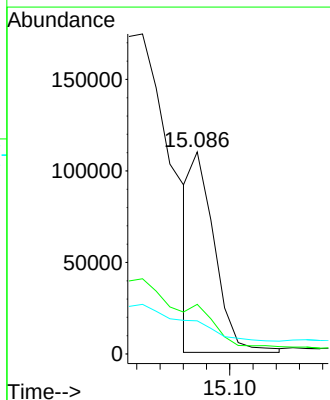
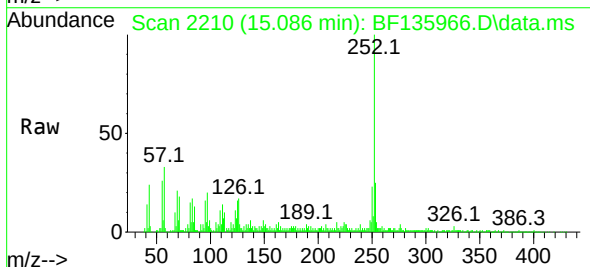
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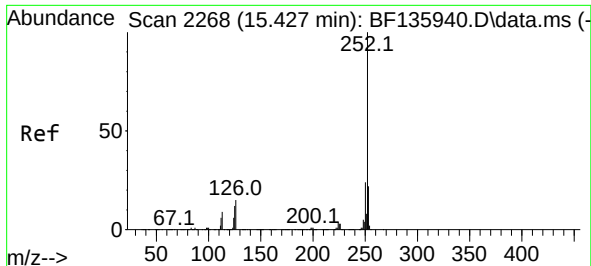
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#89
Benzo(k)fluoranthene
Concen: 4.764 ng m
RT: 15.086 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

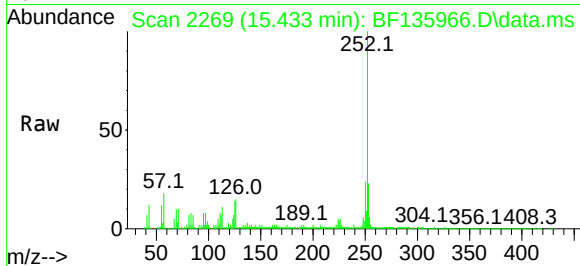
Tgt Ion:252 Resp: 77280
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 16.4 8.5 12.7





#90
Benzo(a)pyrene
Concen: 15.770 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

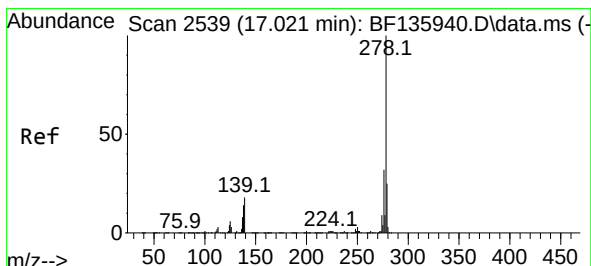
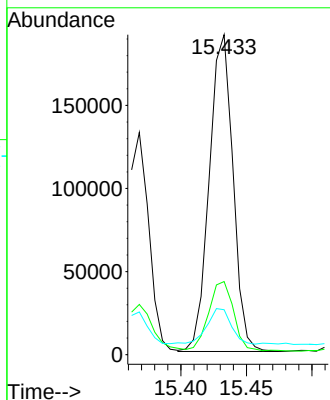
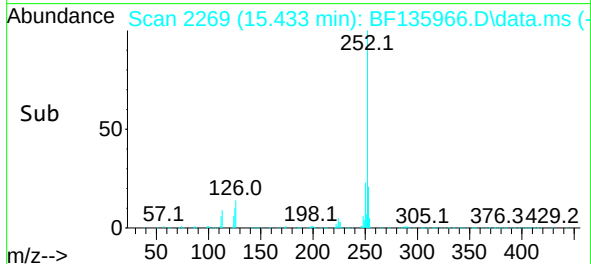
Instrument :
BNA_F
ClientSampleId :
MMFB-3



Tgt Ion:252 Resp: 24005
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 14.0 9.6 14.4

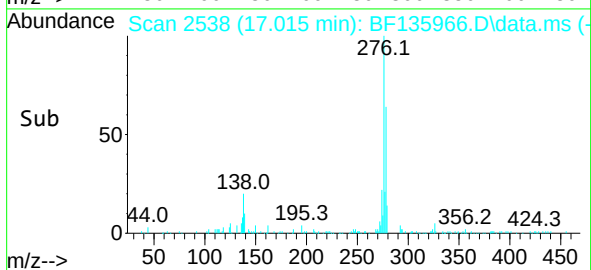
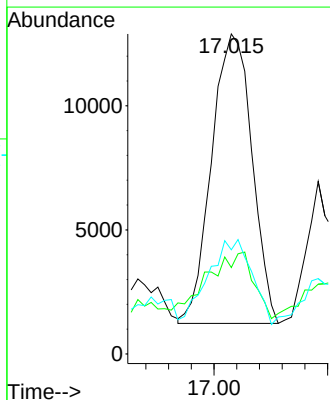
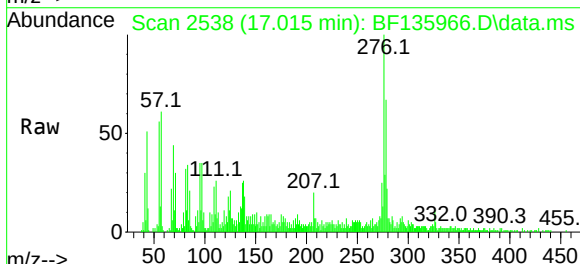
Manual Integrations
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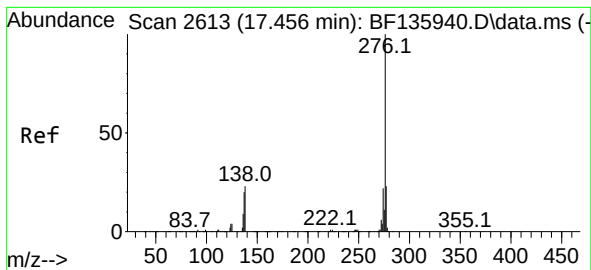
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.140 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.006 min
Lab File: BF135966.D
Acq: 26 Oct 2023 16:37

Tgt Ion:278 Resp: 28812
Ion Ratio Lower Upper
278 100
139 27.0 14.0 21.0#
279 32.6 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 10.396 ng

RT: 17.456 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135966.D

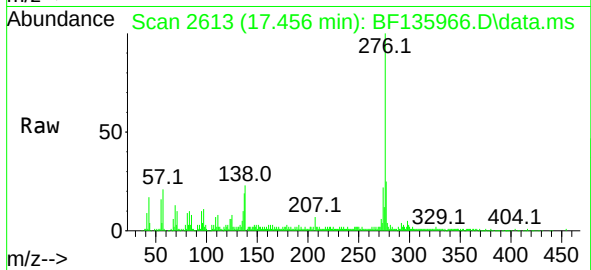
Acq: 26 Oct 2023 16:37

Instrument :

BNA_F

ClientSampleId :

MMFB-3



Tgt Ion:276 Resp: 110234

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 22.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023

