

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139801.D
 Acq On : 14 Oct 2024 21:19
 Operator : RC/JU
 Sample : P4364-14 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0.167-0.667

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 15 02:29:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	85492	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	313236	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	148707	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	225636	20.000	ng	0.00
76) Chrysene-d12	14.033	240	160985	20.000	ng	0.00
86) Perylene-d12	15.504	264	140827	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	92648	18.783	ng	0.00
7) Phenol-d6	6.492	99	128748	19.410	ng	-0.01
23) Nitrobenzene-d5	7.422	82	81649	13.197	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	20015	13.943	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	133200	13.751	ng	-0.01
79) Terphenyl-d14	12.968	244	95858	9.770	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	39332	2.456	ng	99
49) Acenaphthylene	9.757	152	32683	2.592	ng	98
52) Acenaphthene	9.927	154	74688	8.628	ng	97
55) Dibenzofuran	10.104	168	57768	4.766	ng	96
58) Fluorene	10.445	166	70689	7.323	ng	99
71) Phenanthrene	11.416	178	964498	90.658	ng	100
72) Anthracene	11.463	178	228793	21.738	ng	99
73) Carbazole	11.616	167	92511	9.151	ng	99
75) Fluoranthene	12.604	202	1419380	122.046	ng	99
78) Pyrene	12.833	202	1306877	90.766	ng	97
81) Benzo(a)anthracene	14.021	228	782908	73.970	ng	97
83) Chrysene	14.057	228	652264	67.406	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	211438	25.509	ng	94
88) Benzo(b)fluoranthene	15.080	252	675640m	74.200	ng	
89) Benzo(k)fluoranthene	15.092	252	263111m	34.064	ng	
90) Benzo(a)pyrene	15.445	252	448123	62.415	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	53923m	7.844	ng	
92) Benzo(g,h,i)perylene	17.427	276	194542	28.216	ng	99

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

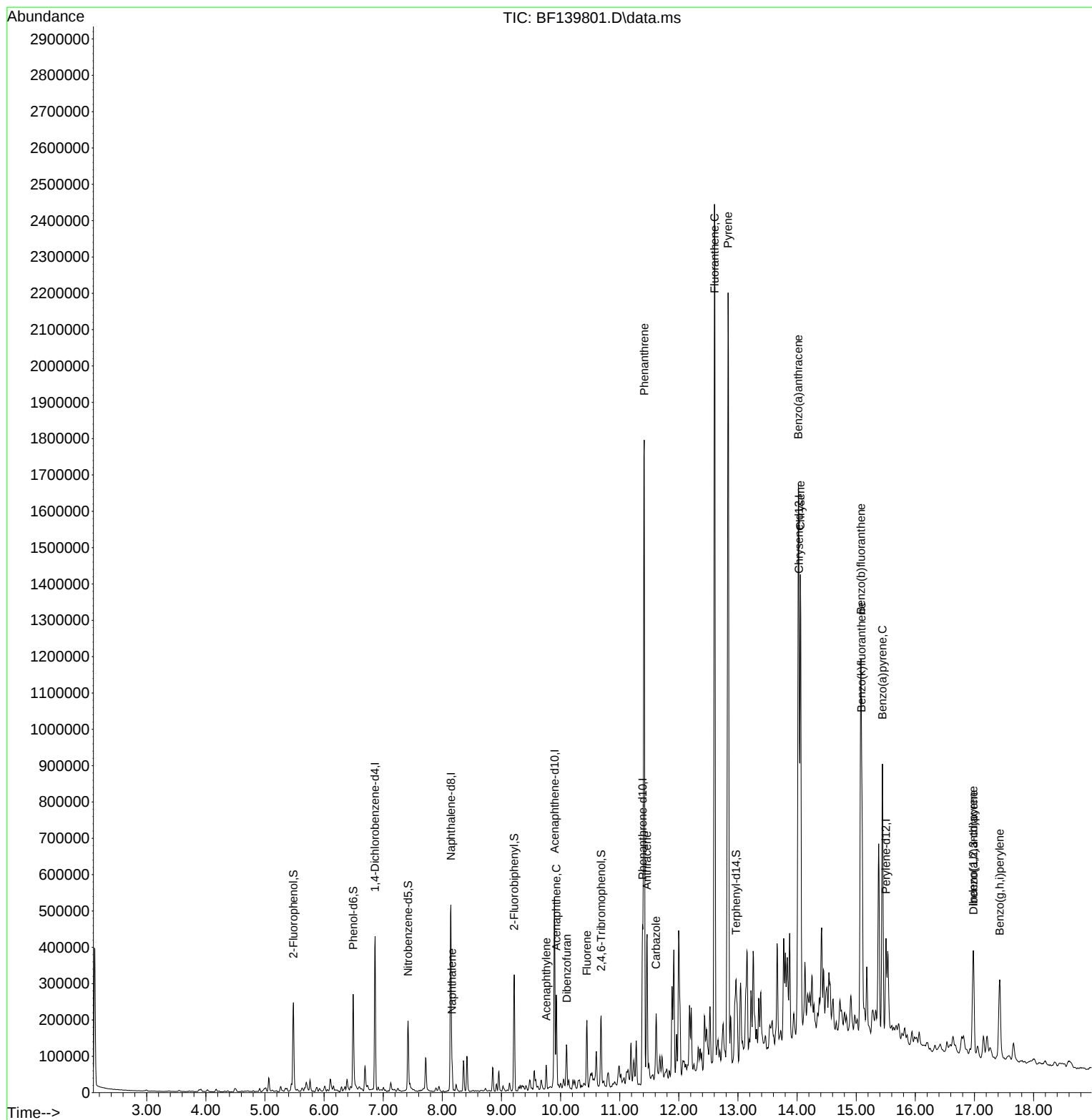
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139801.D
Acq On : 14 Oct 2024 21:19
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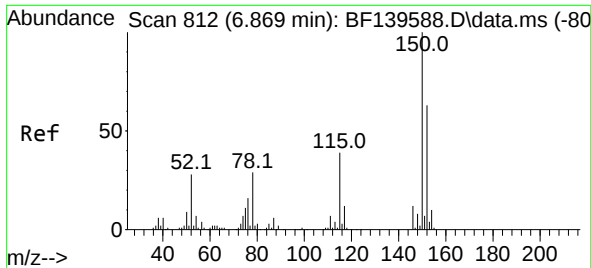
Instrument :
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SB-06-0.167-0.667

Quant Time: Oct 15 02:29:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

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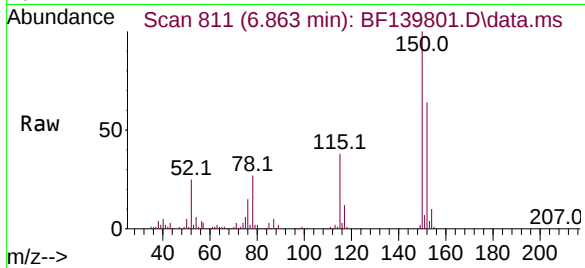
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

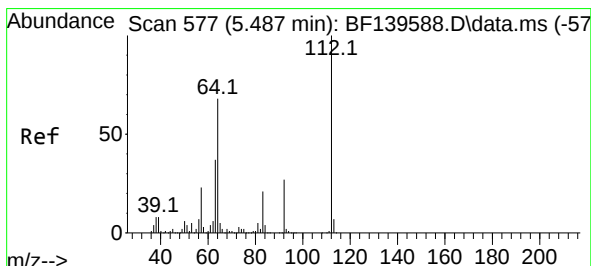
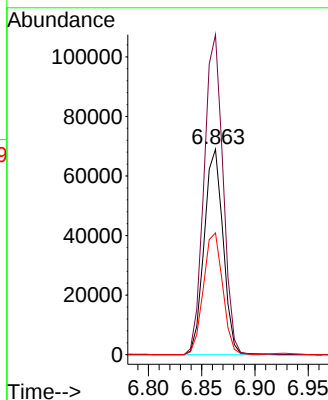
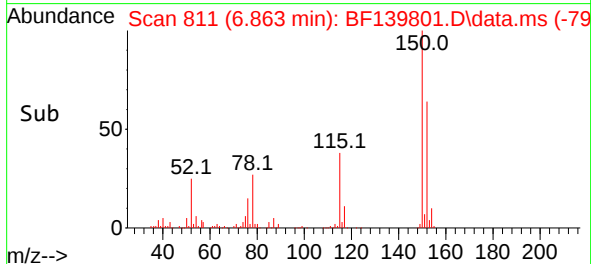
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667



Tgt Ion:152 Resp: 85492
Ion Ratio Lower Upper
152 100
150 155.8 127.2 190.8
115 59.3 49.0 73.4

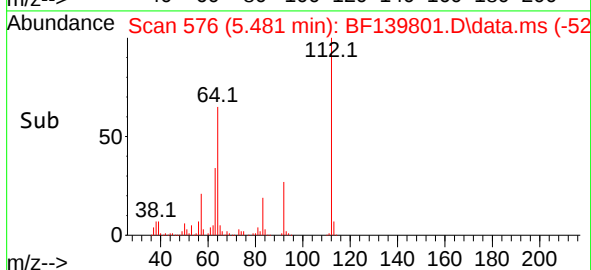
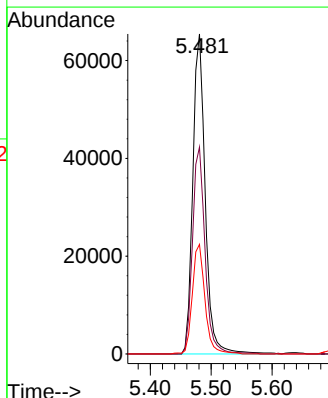
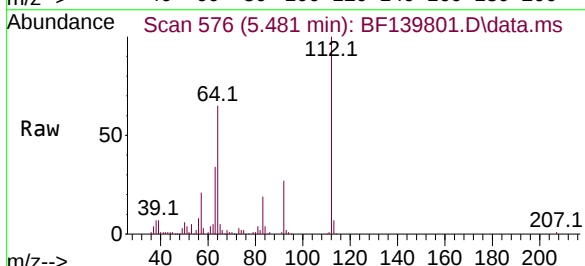
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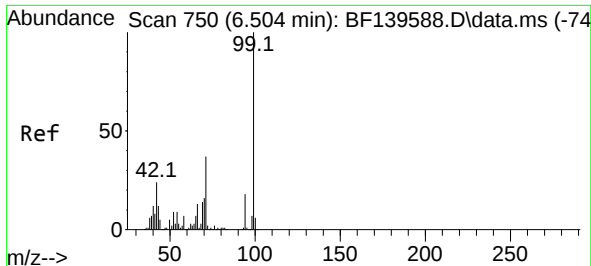
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 18.783 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

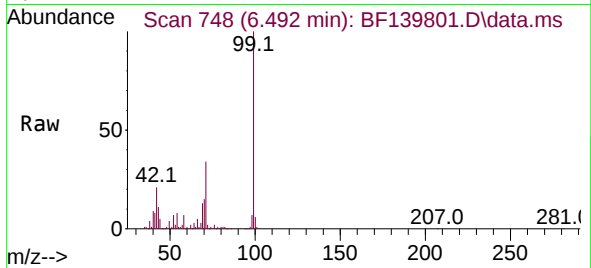
Tgt Ion:112 Resp: 92648
Ion Ratio Lower Upper
112 100
64 64.6 54.2 81.4
63 34.2 29.4 44.2





#7
Phenol-d6
Concen: 19.410 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

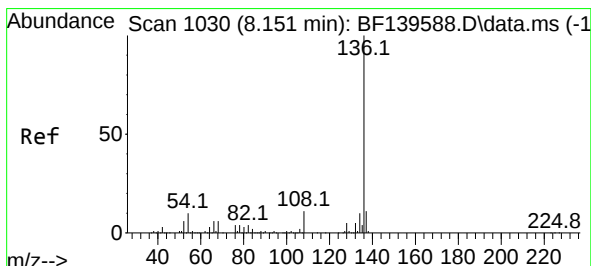
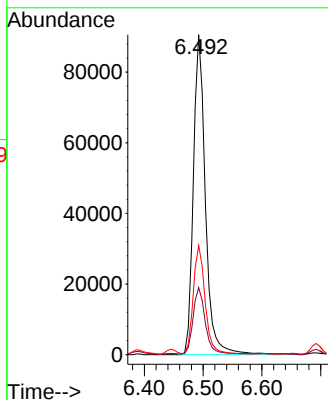
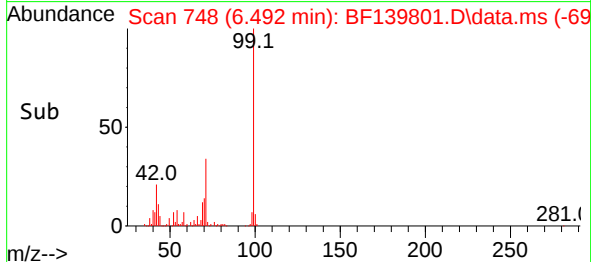
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Tgt Ion: 99 Resp: 128748
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 34.2 29.7 44.5

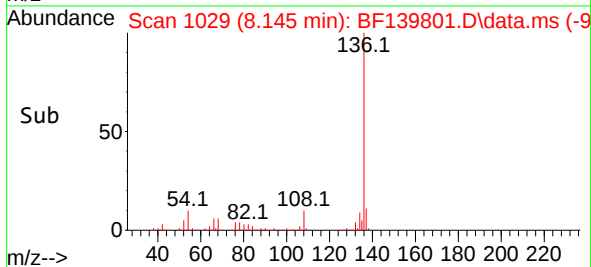
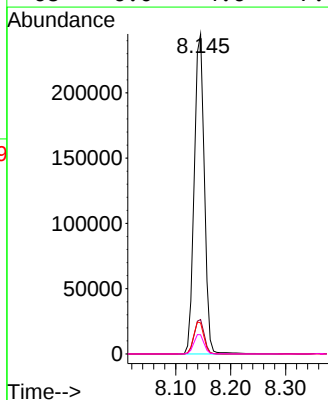
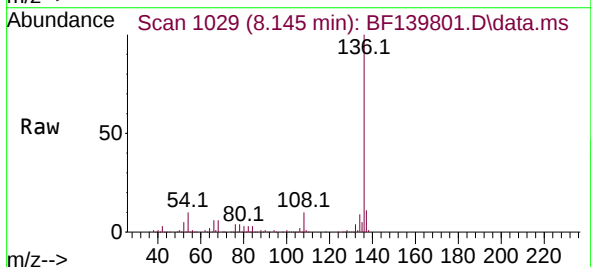
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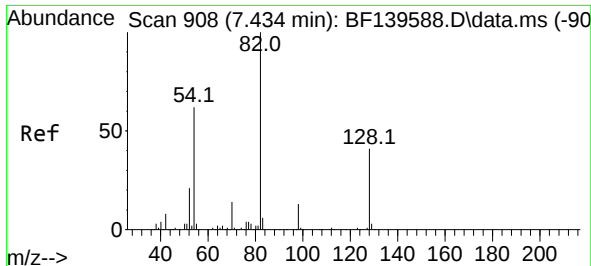
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

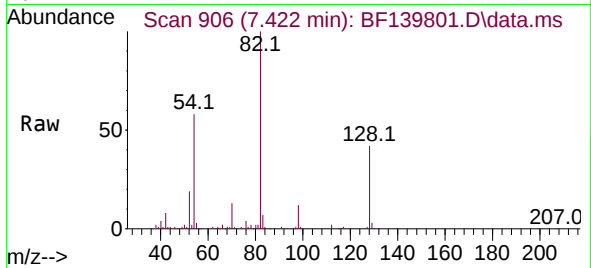
Tgt Ion:136 Resp: 313236
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.7 8.3 12.5
68 6.0 4.6 7.0





#23
Nitrobenzene-d5
Concen: 13.197 ng
RT: 7.422 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

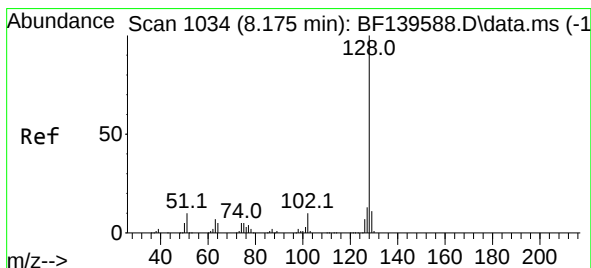
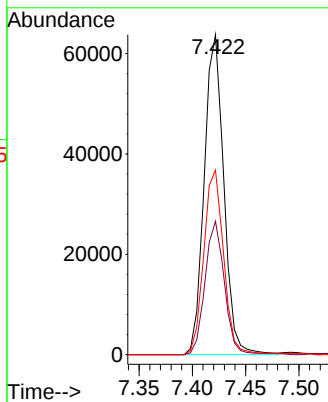
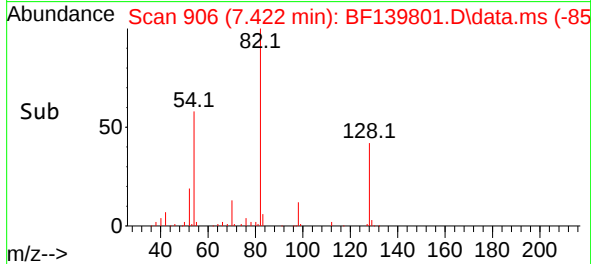
Instrument :
BNA_F
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SB-06-0.167-0.667



Tgt Ion: 82 Resp: 81649
Ion Ratio Lower Upper
82 100
128 41.7 32.4 48.6
54 57.7 49.1 73.7

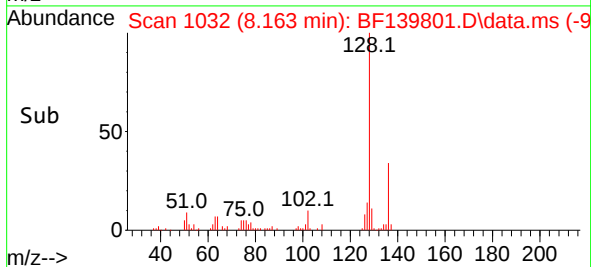
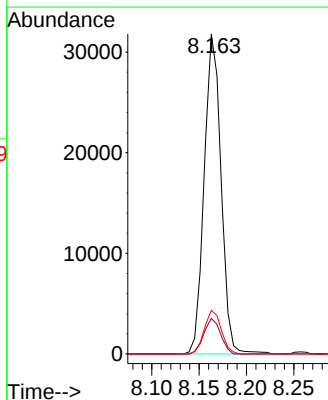
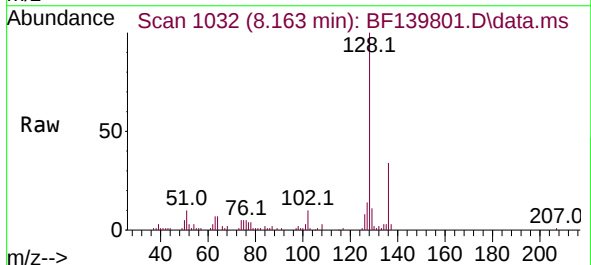
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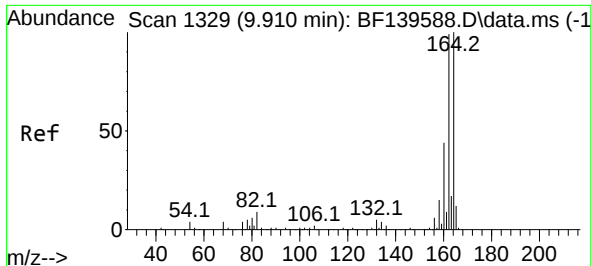
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#31
Naphthalene
Concen: 2.456 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

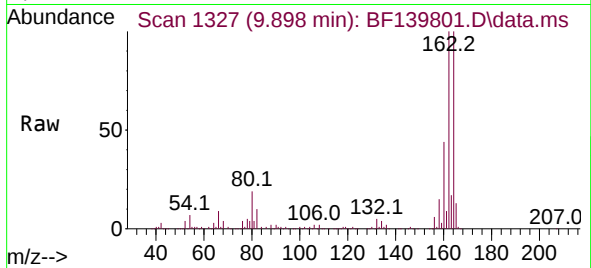
Tgt Ion:128 Resp: 39332
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.7 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

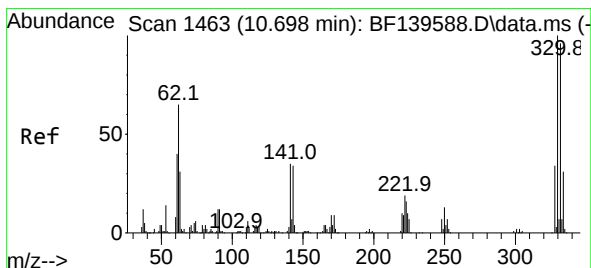
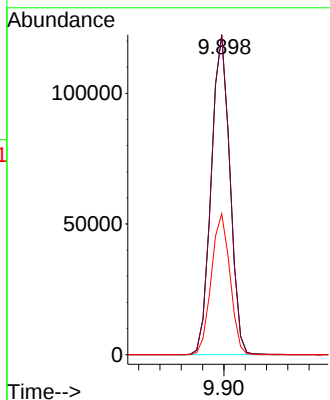
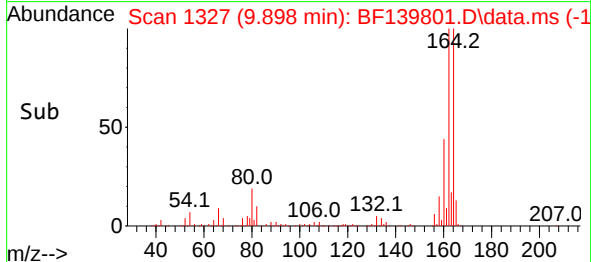
Instrument :
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ClientSampleId :
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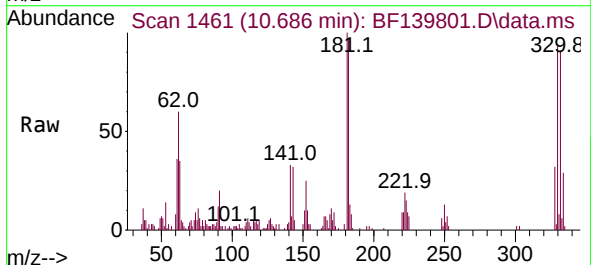
Tgt Ion:164 Resp: 14870
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 44.1 35.1 52.7

Manual Integrations
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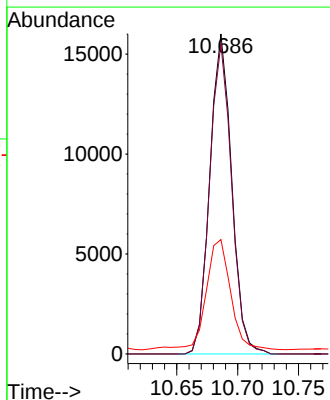
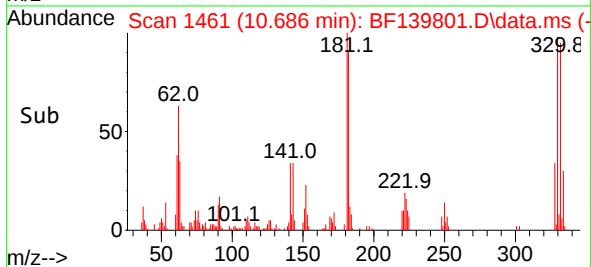
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024

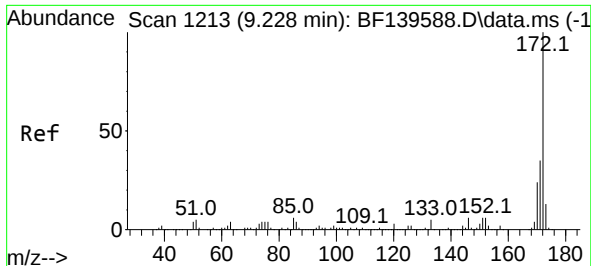


#42
2,4,6-Tribromophenol
Concen: 13.943 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19



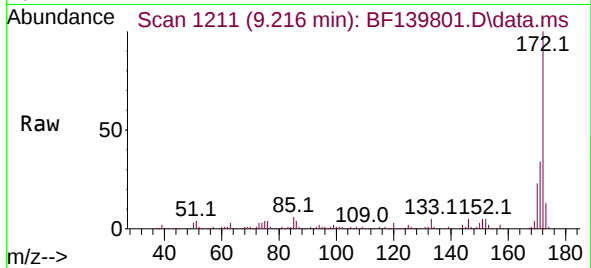
Tgt Ion:330 Resp: 20015
Ion Ratio Lower Upper
330 100
332 97.5 76.5 114.7
141 40.1 29.3 43.9





#45
2-Fluorobiphenyl
Concen: 13.751 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

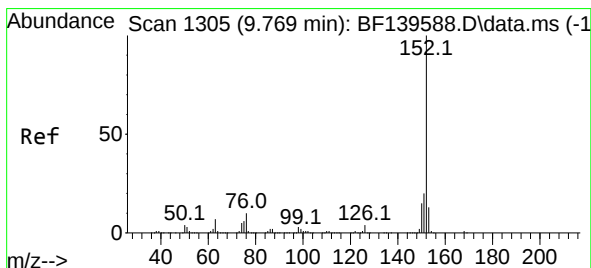
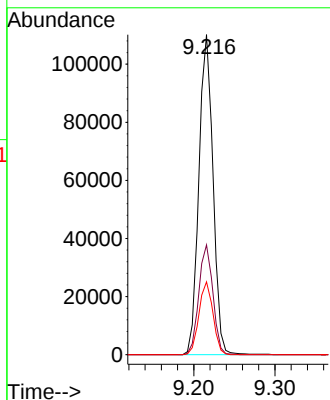
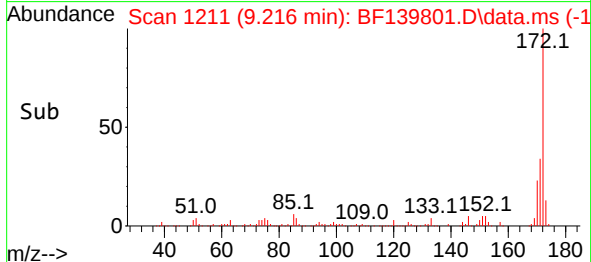
Instrument :
BNA_F
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SB-06-0.167-0.667



Tgt Ion:172 Resp: 133200
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.4
170 22.8 18.8 28.2

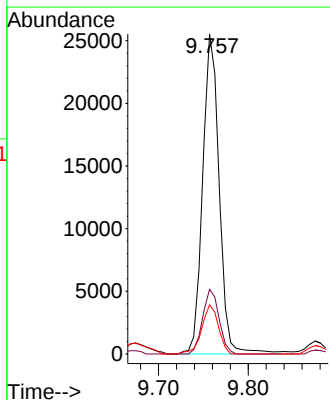
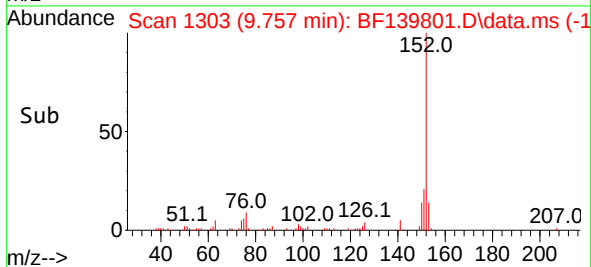
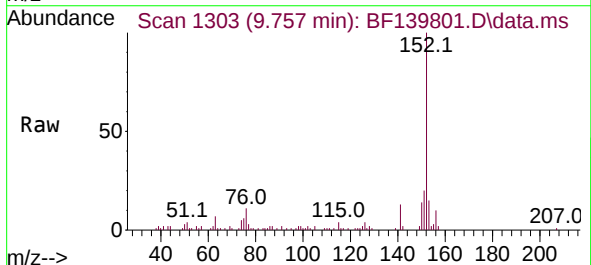
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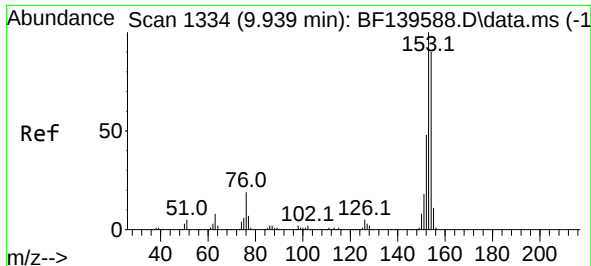
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#49
Acenaphthylene
Concen: 2.592 ng
RT: 9.757 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

Tgt Ion:152 Resp: 32683
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 15.4 10.5 15.7





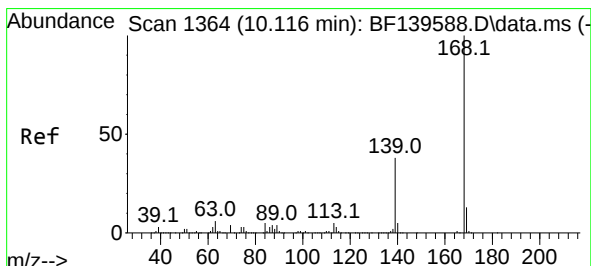
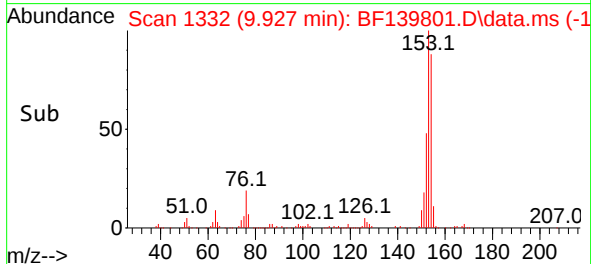
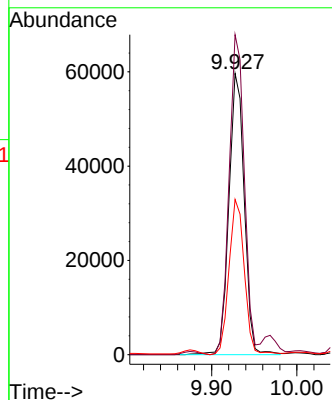
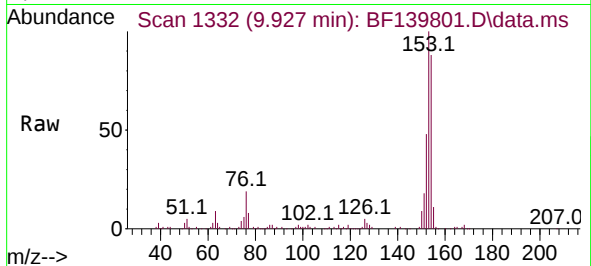
#52
Acenaphthene
Concen: 8.628 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667

Tgt Ion:154 Resp: 74688
Ion Ratio Lower Upper
154 100
153 113.8 88.8 133.2
152 55.2 42.5 63.7

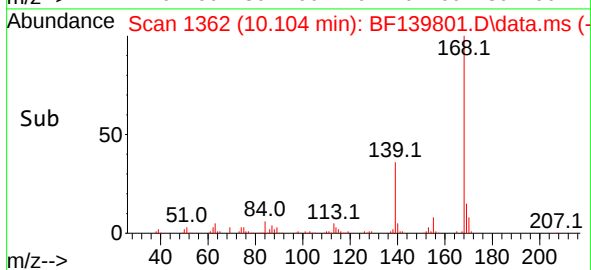
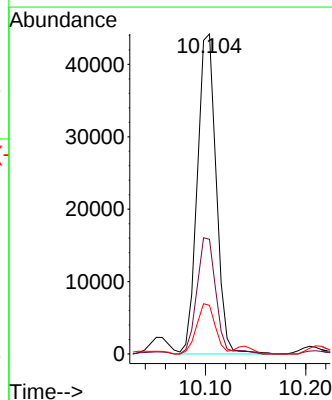
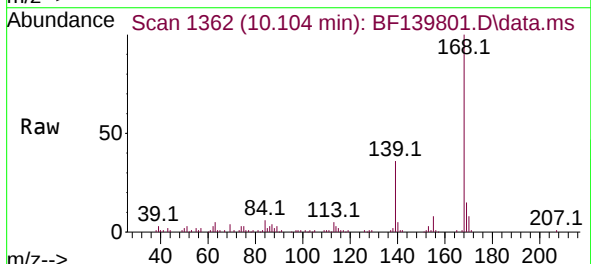
Manual Integrations
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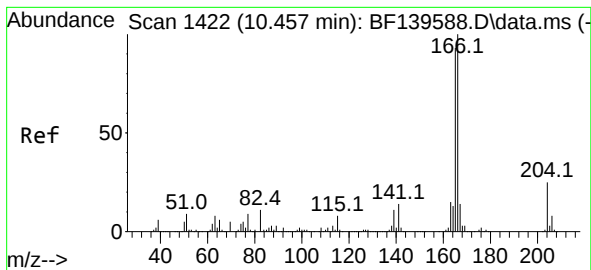
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#55
Dibenzofuran
Concen: 4.766 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

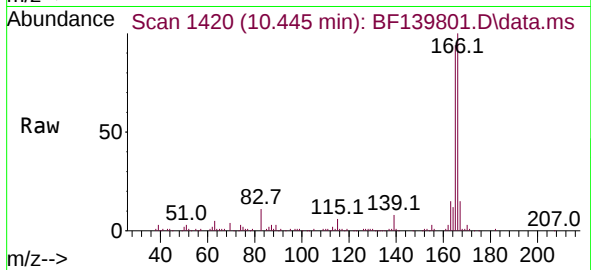
Tgt Ion:168 Resp: 57768
Ion Ratio Lower Upper
168 100
139 35.8 30.4 45.6
169 15.2 10.7 16.1





#58
Fluorene
Concen: 7.323 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

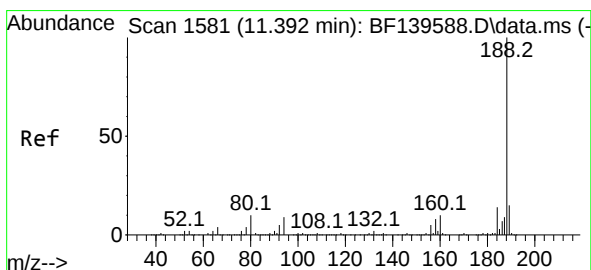
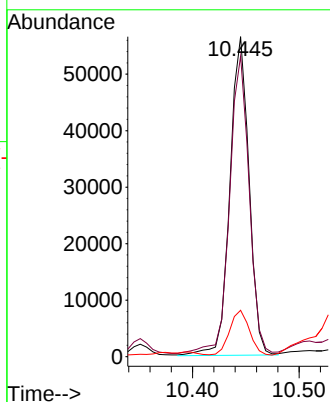
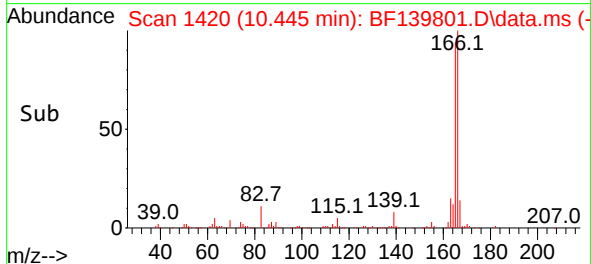
Instrument :
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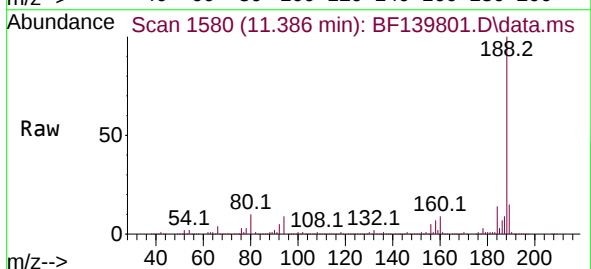
Tgt Ion:166 Resp: 70689
Ion Ratio Lower Upper
166 100
165 93.9 74.4 111.6
167 14.5 10.9 16.3

Manual Integrations
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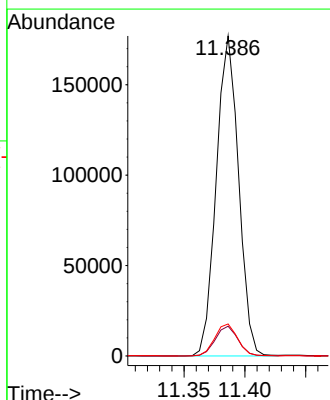
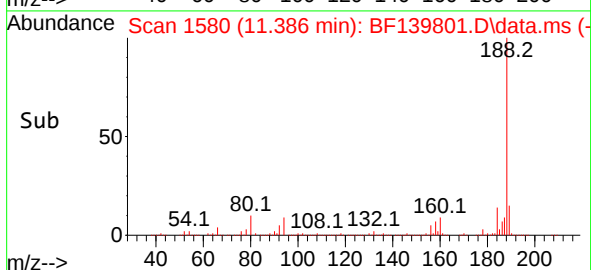
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024

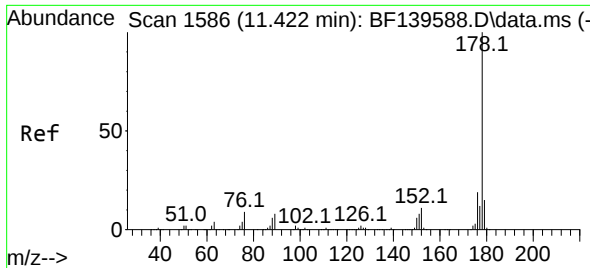


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19



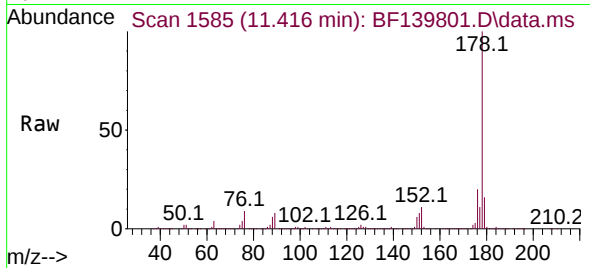
Tgt Ion:188 Resp: 225636
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.0 8.2 12.2





#71
Phenanthrene
Concen: 90.658 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

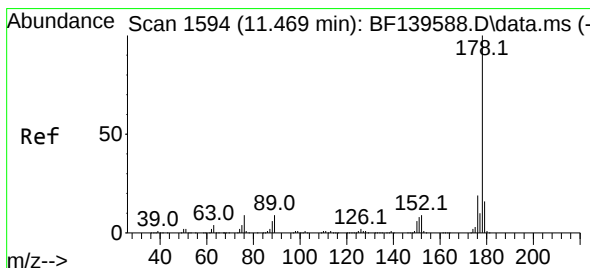
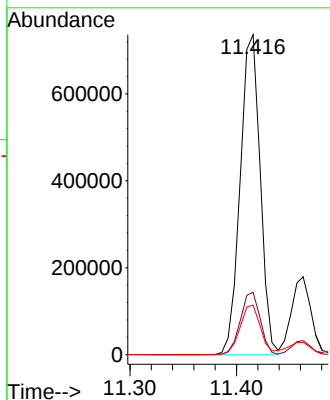
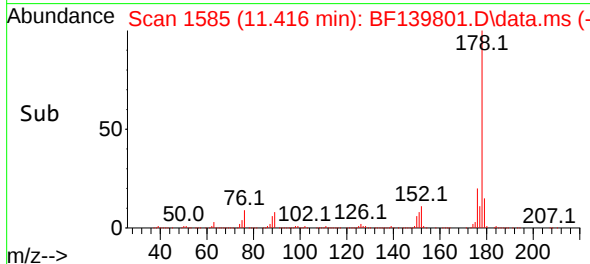
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667



Tgt Ion:178 Resp: 964498
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.5 12.3 18.5

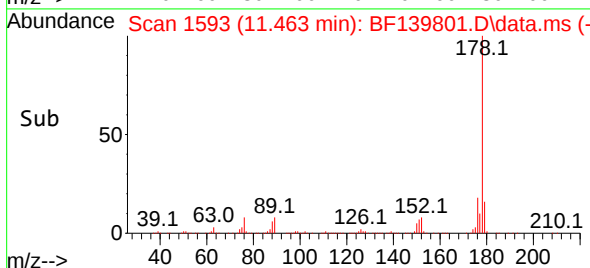
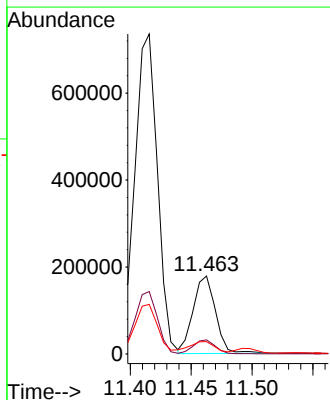
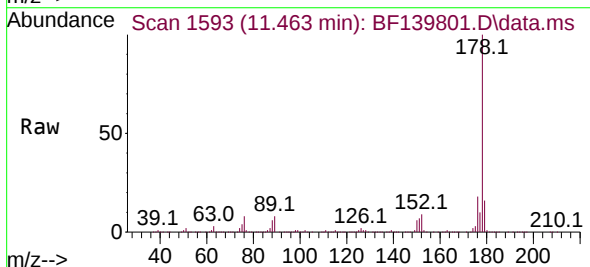
Manual Integrations
APPROVED

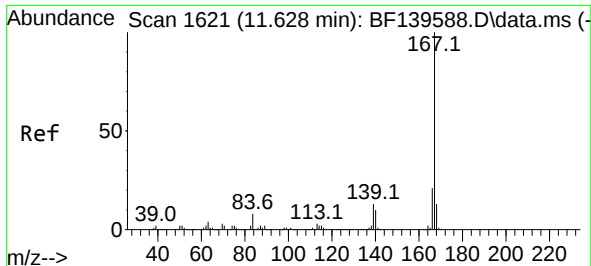
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 21.738 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

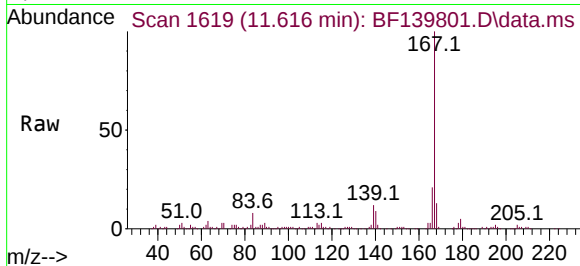
Tgt Ion:178 Resp: 228793
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 15.8 12.5 18.7





#73
 Carbazole
 Concen: 9.151 ng
 RT: 11.616 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF139801.D
 Acq: 14 Oct 2024 21:19

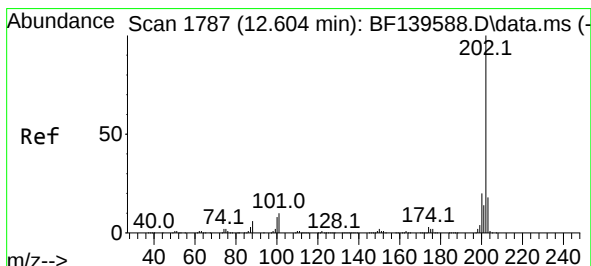
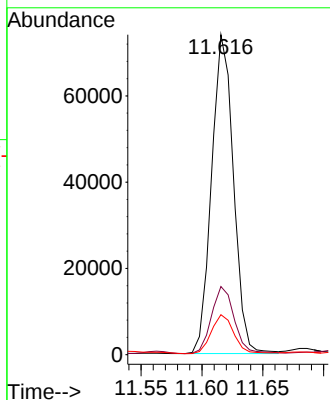
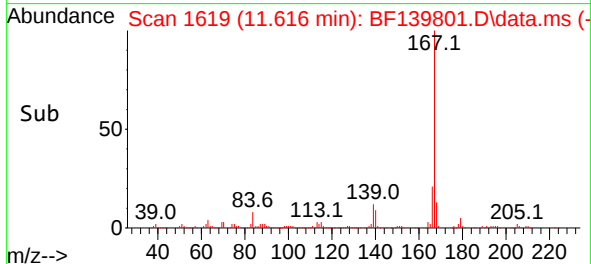
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0.167-0.667



Tgt Ion:167 Resp: 9251
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 12.5 10.3 15.5

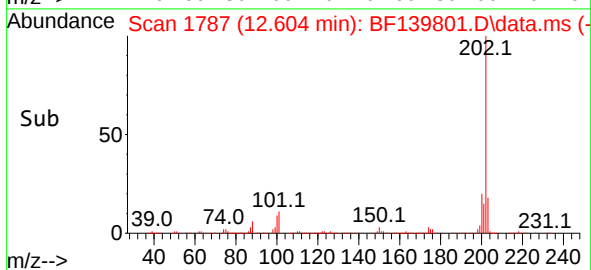
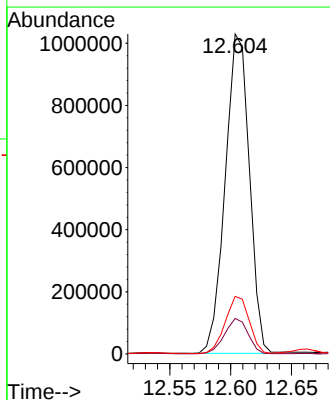
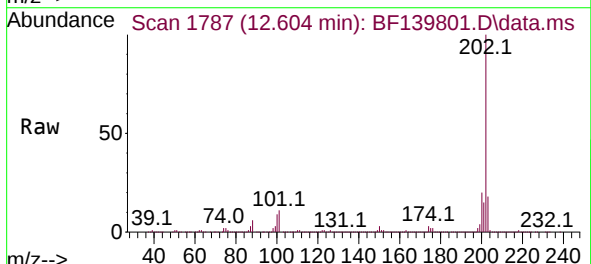
Manual Integrations
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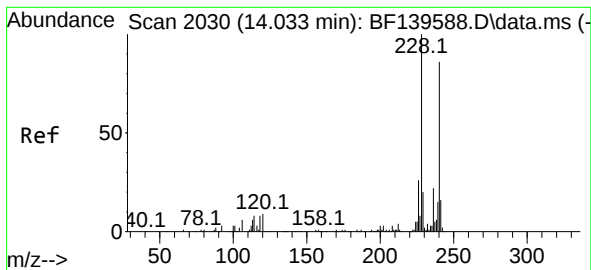
Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024



#75
 Fluoranthene
 Concen: 122.046 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.000 min
 Lab File: BF139801.D
 Acq: 14 Oct 2024 21:19

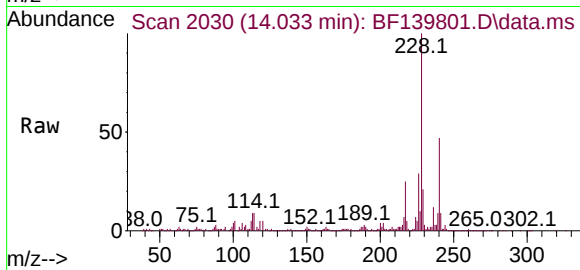
Tgt Ion:202 Resp: 1419380
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 30.2
 203 18.0 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

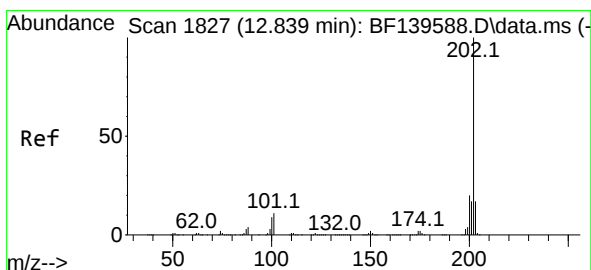
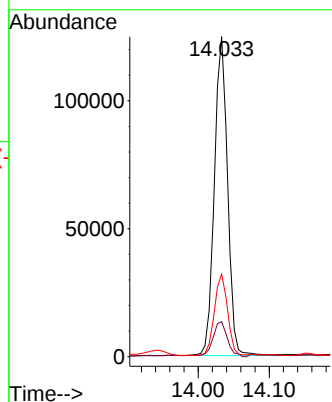
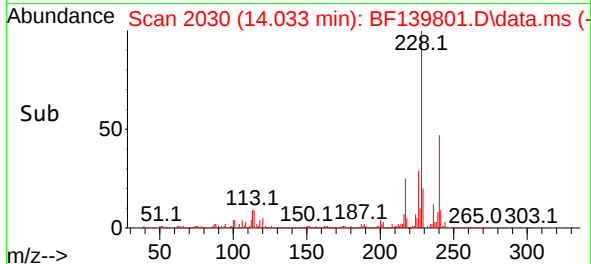
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667



Tgt Ion:240 Resp: 160985
Ion Ratio Lower Upper
240 100
120 10.9 8.4 12.6
236 25.8 20.3 30.5

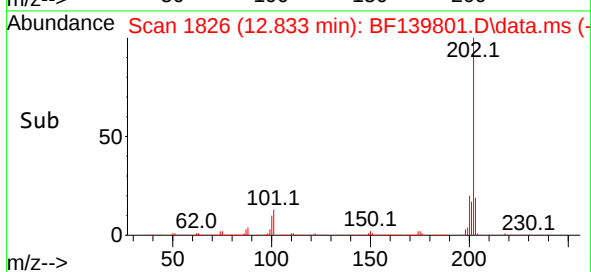
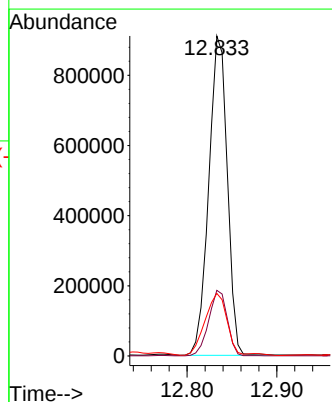
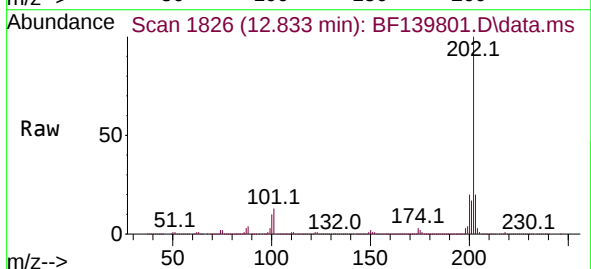
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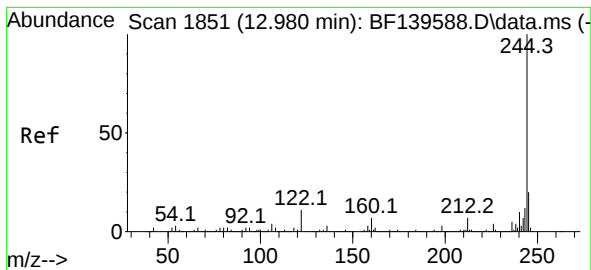
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#78
Pyrene
Concen: 90.766 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

Tgt Ion:202 Resp: 1306877
Ion Ratio Lower Upper
202 100
200 20.5 15.8 23.6
203 19.5 13.8 20.8





#79

Terphenyl-d14

Concen: 9.770 ng

RT: 12.968 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF139801.D

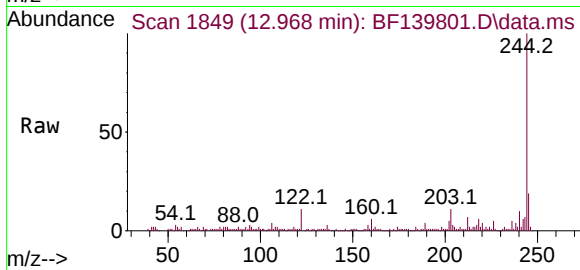
Acq: 14 Oct 2024 21:19

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667



Tgt Ion:244 Resp: 95858

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

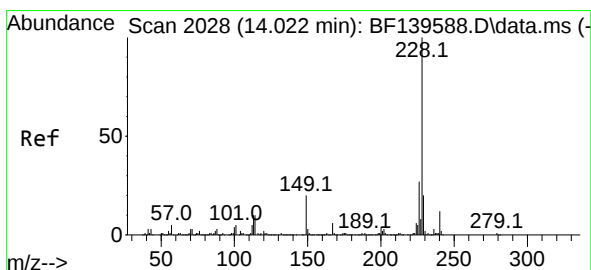
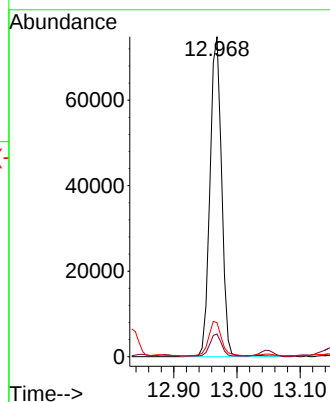
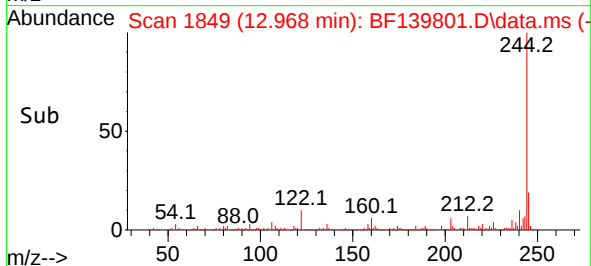
122 10.6 8.6 12.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/15/2024



#81

Benzo(a)anthracene

Concen: 73.970 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139801.D

Acq: 14 Oct 2024 21:19

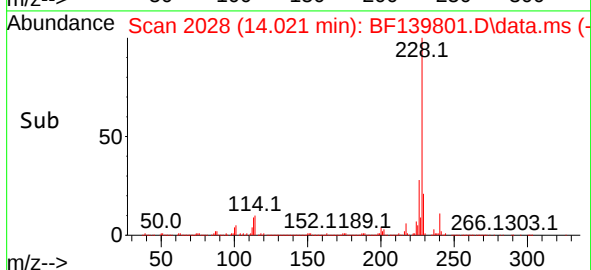
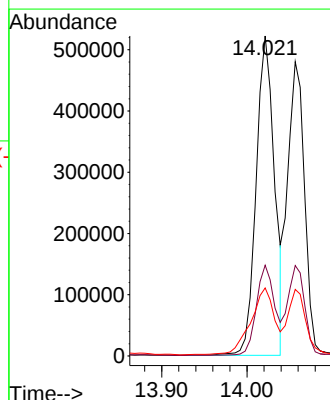
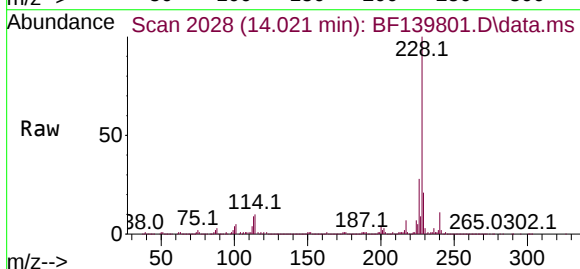
Tgt Ion:228 Resp: 782908

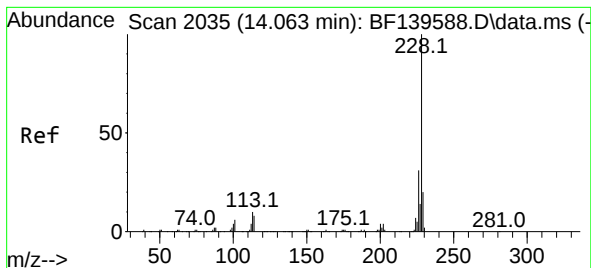
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 21.3 15.8 23.8





#83

Chrysene

Concen: 67.406 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139801.D

Acq: 14 Oct 2024 21:19

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667

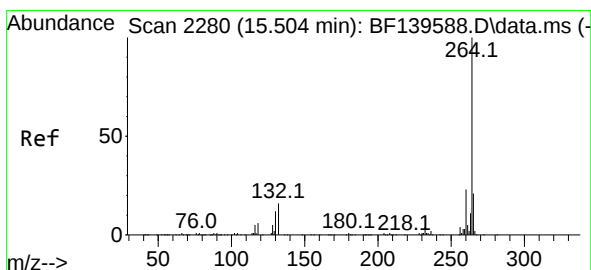
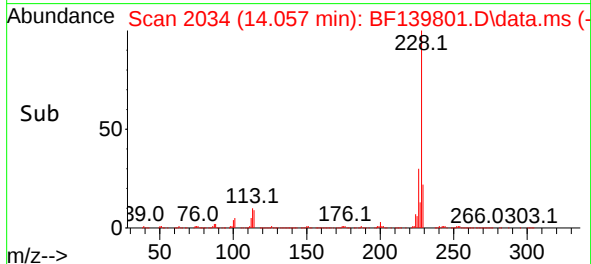
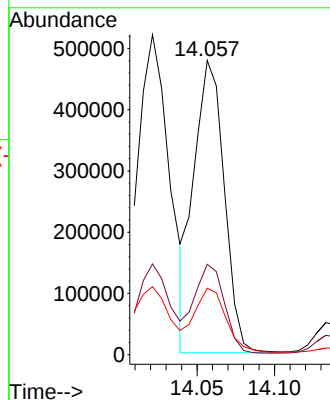
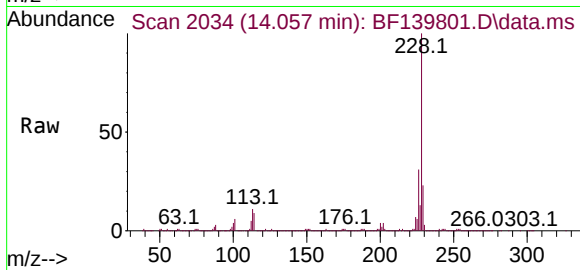
Tgt Ion:	228	Resp:	652264
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.3	36.5
229	22.6	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/15/2024



#86

Perylene-d12

Concen: 20.000 ng

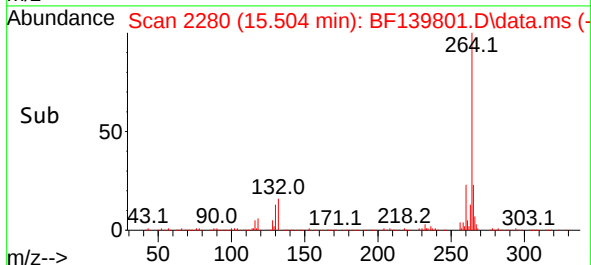
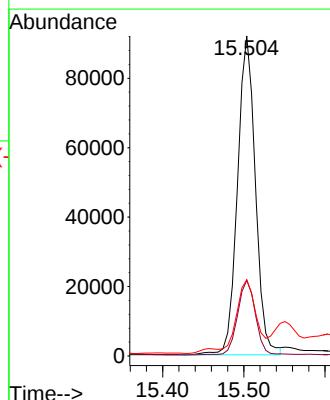
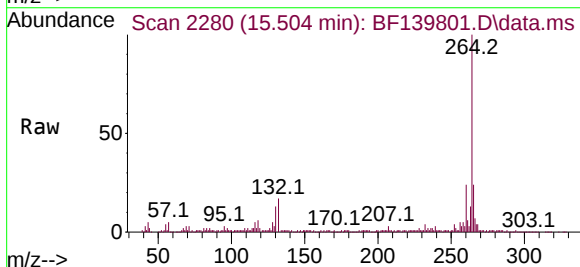
RT: 15.504 min Scan# 2280

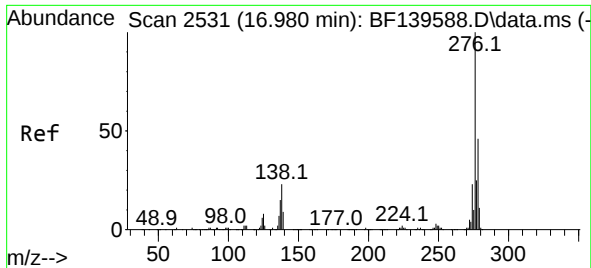
Delta R.T. -0.000 min

Lab File: BF139801.D

Acq: 14 Oct 2024 21:19

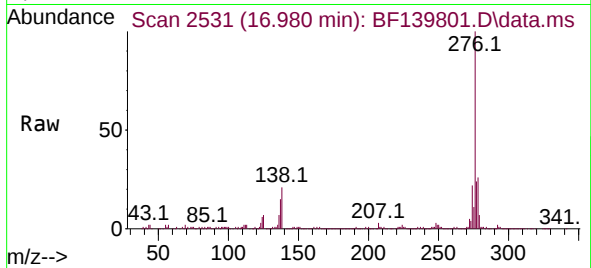
Tgt Ion:	264	Resp:	140827
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	23.9	16.9	25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 25.509 ng
RT: 16.980 min Scan# 211438
Delta R.T. -0.000 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

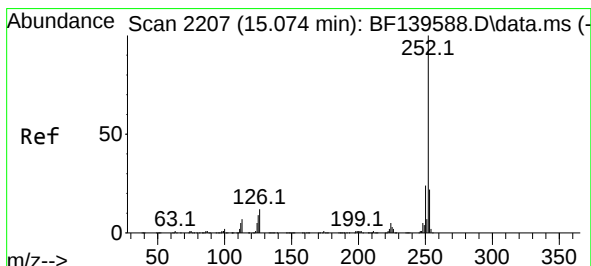
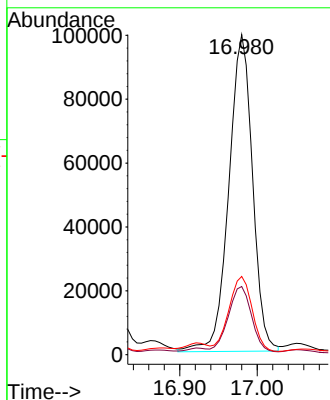
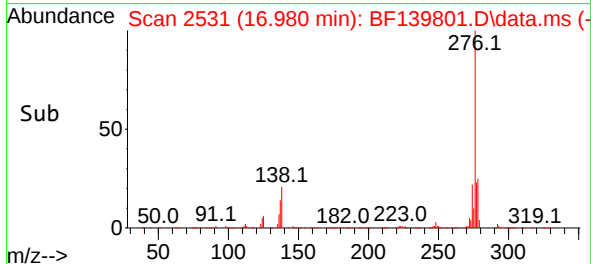
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667



Tgt Ion:276 Resp: 211438
Ion Ratio Lower Upper
276 100
138 20.6 19.4 29.0
277 23.2 20.2 30.2

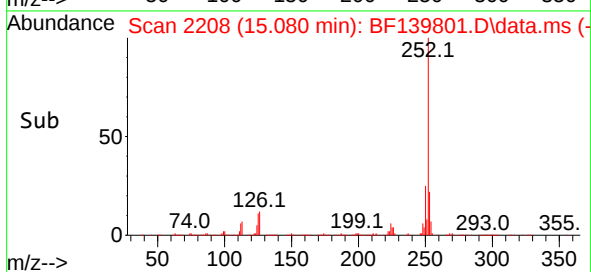
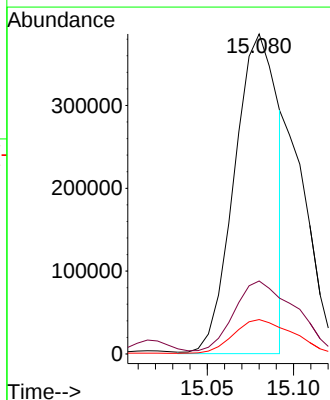
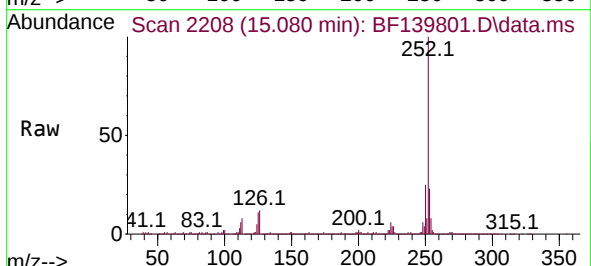
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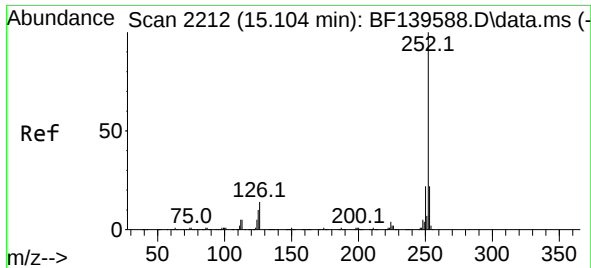
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#88
Benzo(b)fluoranthene
Concen: 74.200 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

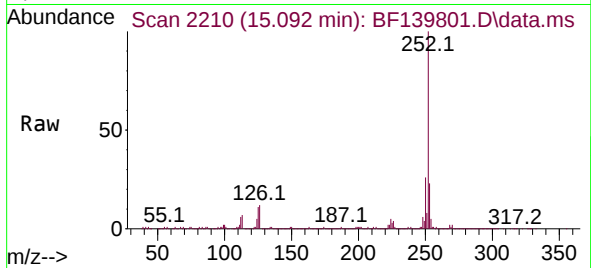
Tgt Ion:252 Resp: 675640
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.8 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 34.064 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

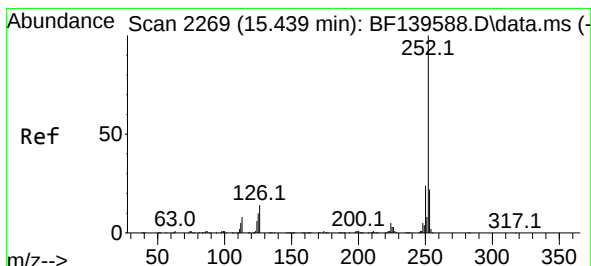
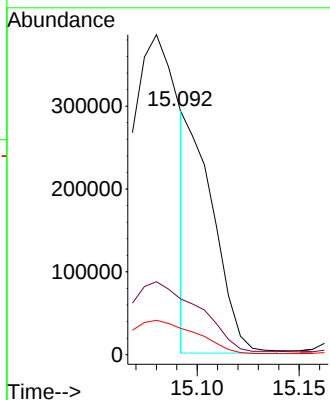
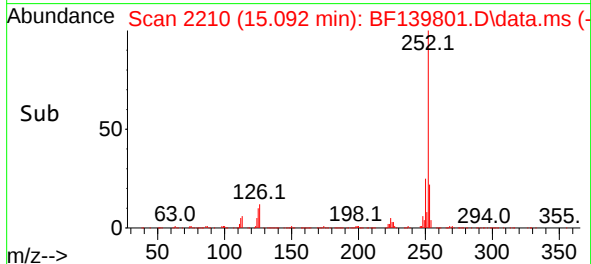
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667



Tgt Ion:252 Resp: 26311
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.8 7.6 11.4

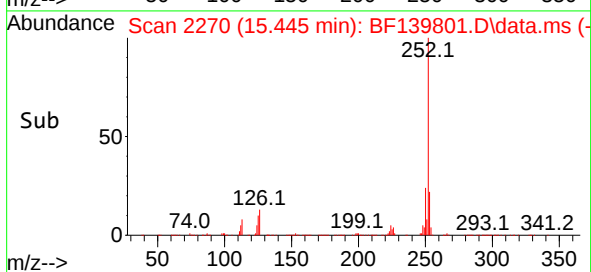
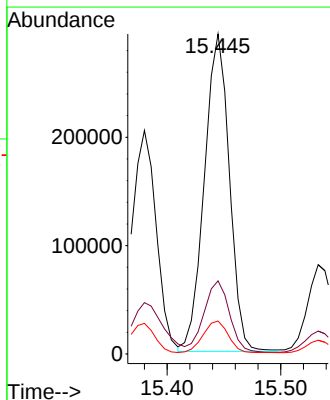
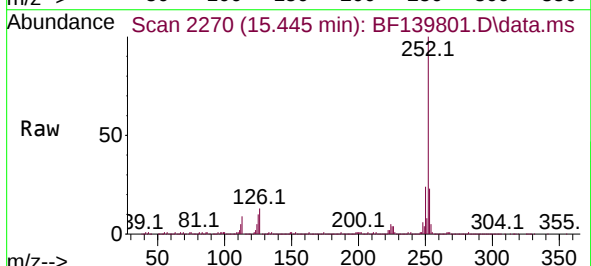
Manual Integrations
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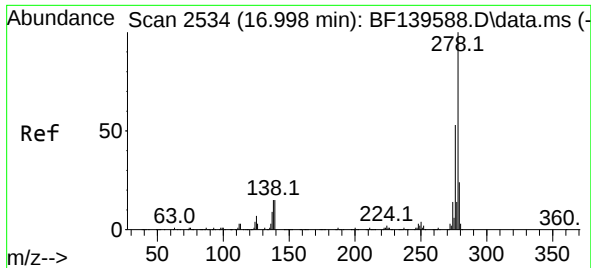
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#90
Benzo(a)pyrene
Concen: 62.415 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

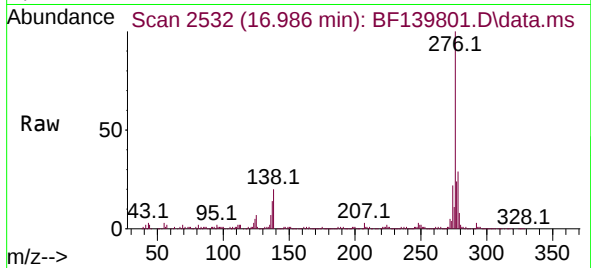
Tgt Ion:252 Resp: 448123
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.3 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 7.844 ng m
RT: 16.986 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

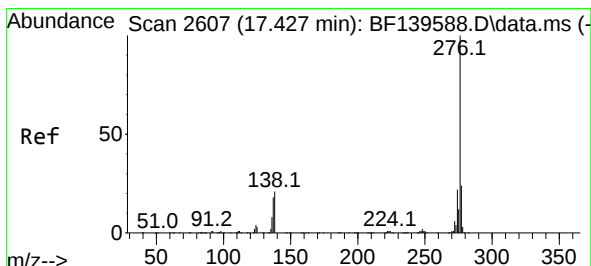
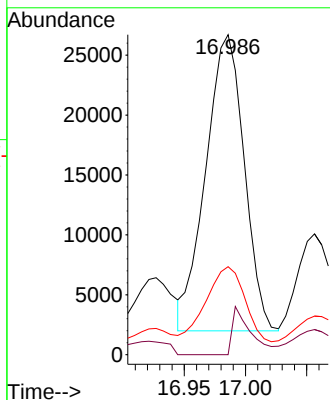
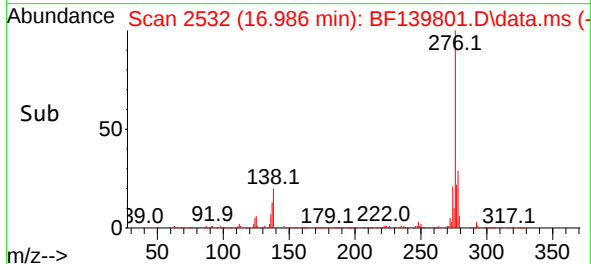
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667



Tgt Ion:278 Resp: 5392
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 27.5 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#92
Benzo(g,h,i)perylene
Concen: 28.216 ng
RT: 17.427 min Scan# 2607
Delta R.T. -0.000 min
Lab File: BF139801.D
Acq: 14 Oct 2024 21:19

Tgt Ion:276 Resp: 194542
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 20.7 17.0 25.6

