

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140294.D
 Acq On : 08 Nov 2024 13:13
 Operator : RC/JU
 Sample : P4695-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-01DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 13:49:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	129594	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	492100	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	287620	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	500886	20.000	ng	0.00
76) Chrysene-d12	14.057	240	292758	20.000	ng	0.00
86) Perylene-d12	15.557	264	349826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	156943	20.069	ng	0.00
7) Phenol-d6	6.493	99	204104	20.292	ng	-0.01
23) Nitrobenzene-d5	7.434	82	129961	13.130	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	55638	19.570	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	243458	13.516	ng	-0.01
79) Terphenyl-d14	12.992	244	208238	11.652	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.175	128	259548	10.214	ng	99
37) 2-Methylnaphthalene	8.869	142	108417	6.537	ng	98
38) 1-Methylnaphthalene	8.969	142	74287	4.570	ng	100
52) Acenaphthene	9.945	154	160301	10.202	ng	100
55) Dibenzofuran	10.116	168	201147	9.155	ng	97
58) Fluorene	10.463	166	196461	11.233	ng	99
71) Phenanthrene	11.433	178	1723058	72.083	ng	100
72) Anthracene	11.481	178	519653	22.170	ng	99
73) Carbazole	11.633	167	196881	9.193	ng	99
75) Fluoranthene	12.628	202	1322152	52.897	ng	99
78) Pyrene	12.857	202	1119681	46.321	ng	99
81) Benzo(a)anthracene	14.045	228	529649	28.191	ng	99
83) Chrysene	14.080	228	423747	24.085	ng	96
87) Indeno(1,2,3-cd)pyrene	17.057	276	156193m	7.606	ng	
88) Benzo(b)fluoranthene	15.121	252	446396m	21.096	ng	
89) Benzo(k)fluoranthene	15.133	252	186538m	9.607	ng	
90) Benzo(a)pyrene	15.492	252	367009	21.036	ng	97
91) Dibenzo(a,h)anthracene	17.068	278	43681	2.586	ng	# 92
92) Benzo(g,h,i)perylene	17.515	276	127910	7.422	ng	99

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

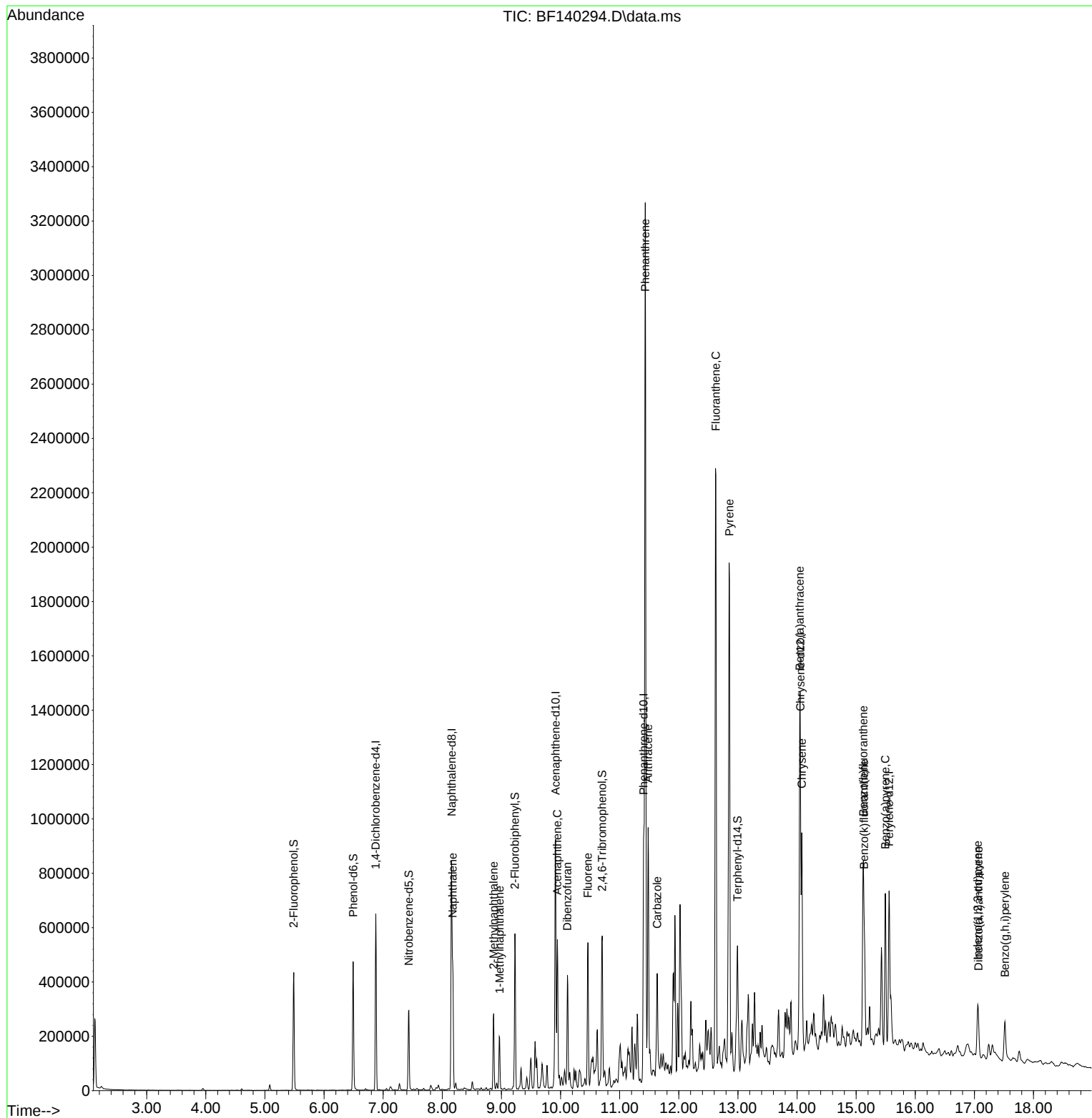
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140294.D
Acq On : 08 Nov 2024 13:13
Operator : RC/JU
Sample : P4695-01DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

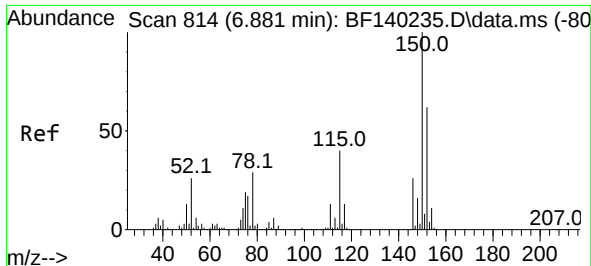
Instrument :
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ClientSampleId :
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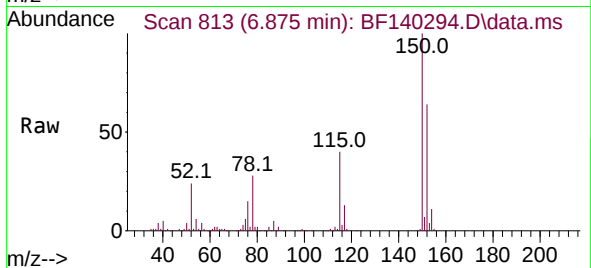
Quant Time: Nov 08 13:49:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

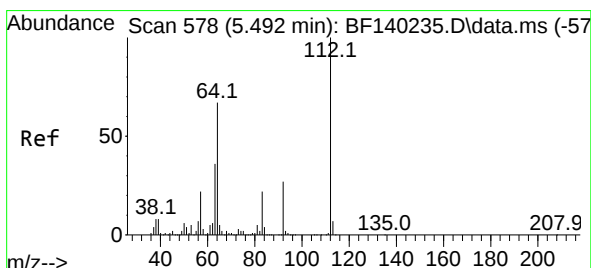
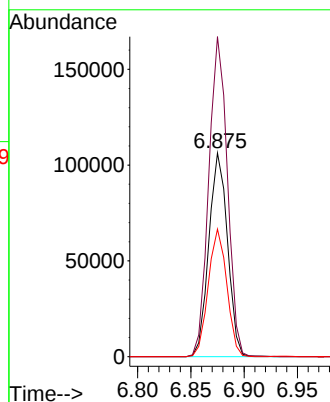
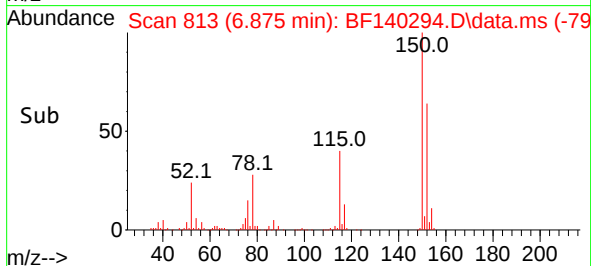
Instrument :
BNA_F
ClientSampleId :
Z-01DL



Tgt Ion:152 Resp: 129594
Ion Ratio Lower Upper
152 100
150 157.1 129.4 194.2
115 62.6 51.5 77.3

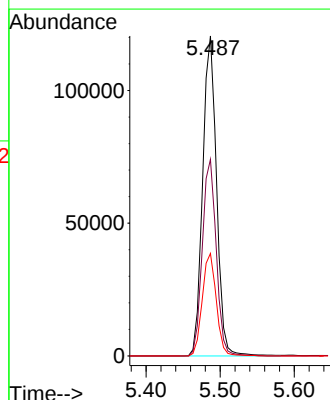
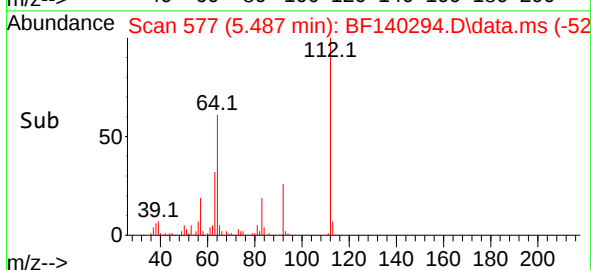
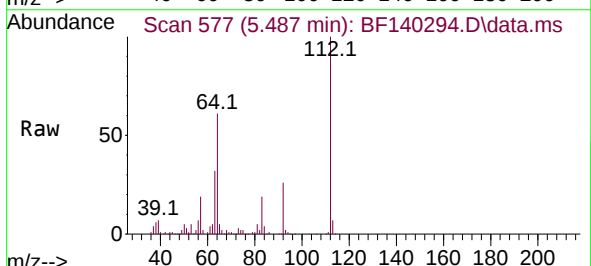
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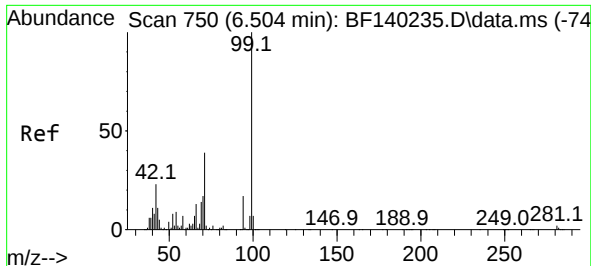
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 20.069 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

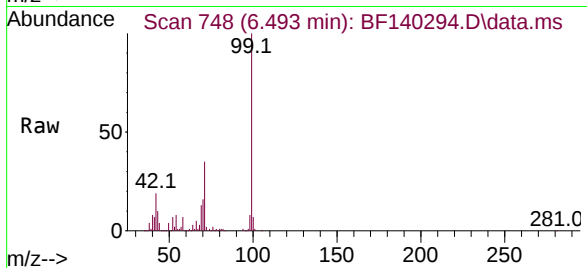
Tgt Ion:112 Resp: 156943
Ion Ratio Lower Upper
112 100
64 61.5 53.4 80.2
63 32.0 28.9 43.3





#7
Phenol-d6
Concen: 20.292 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

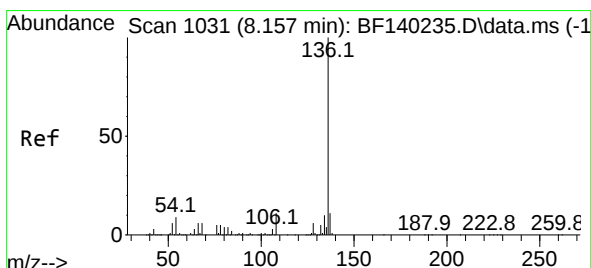
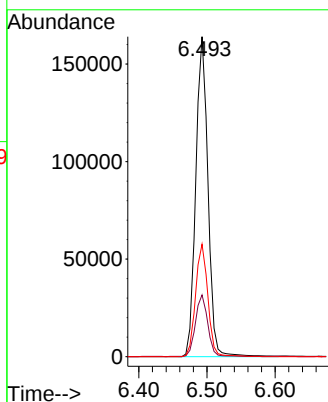
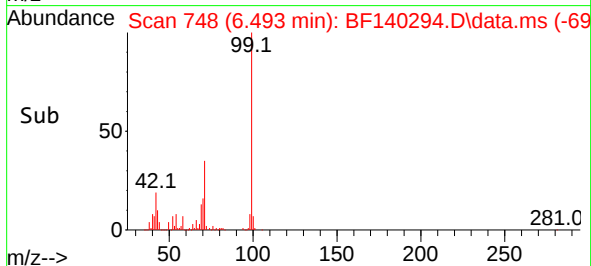
Instrument :
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Z-01DL



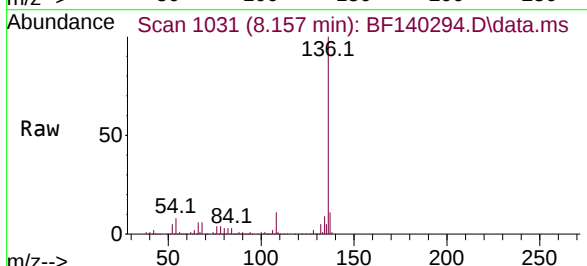
Tgt Ion: 99 Resp: 204104
Ion Ratio Lower Upper
99 100
42 19.3 18.2 27.2
71 35.1 30.9 46.3

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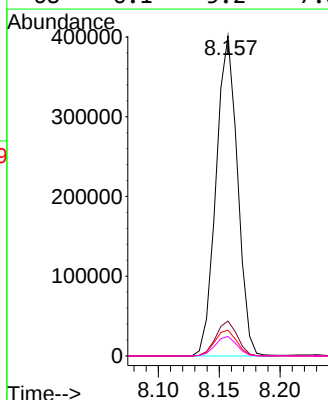
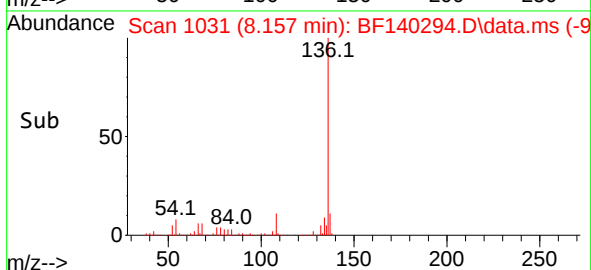
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

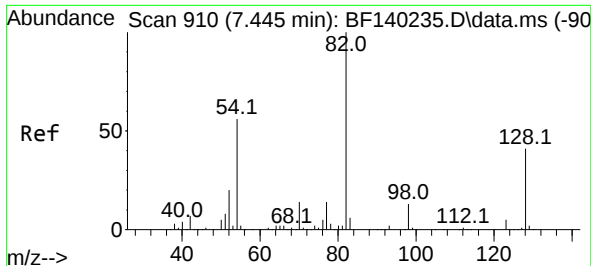


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13



Tgt Ion:136 Resp: 492100
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.1 7.7 11.5
68 6.1 5.2 7.8





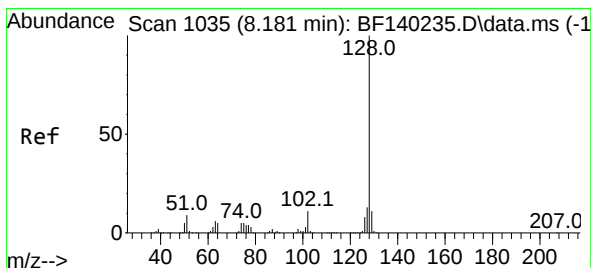
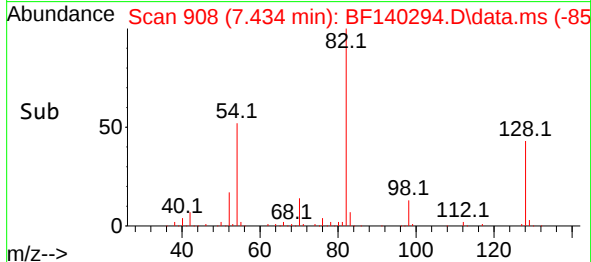
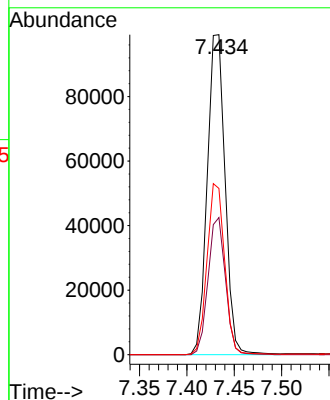
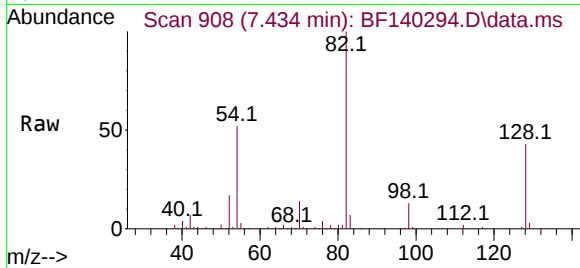
#23
Nitrobenzene-d5
Concen: 13.130 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

Instrument :
BNA_F
ClientSampleId :
Z-01DL

Tgt Ion: 82 Resp: 12996
Ion Ratio Lower Upper
82 100
128 42.9 32.8 49.2
54 52.0 44.3 66.5

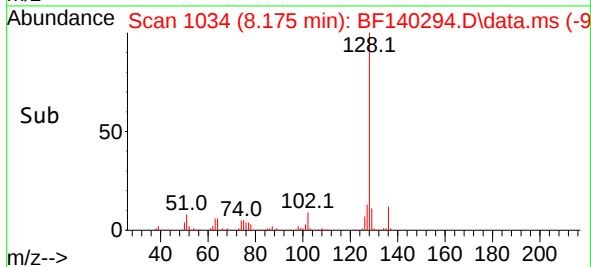
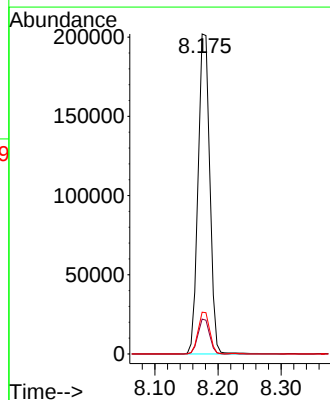
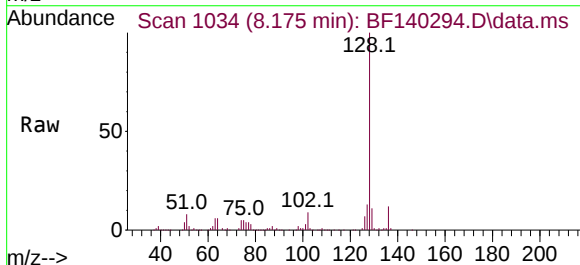
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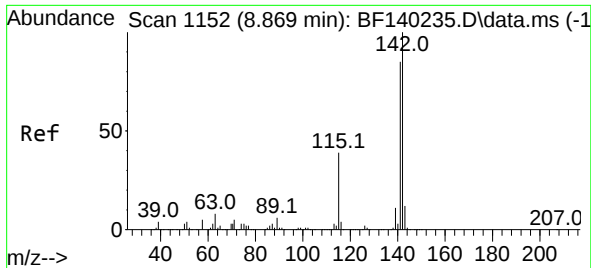
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#31
Naphthalene
Concen: 10.214 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

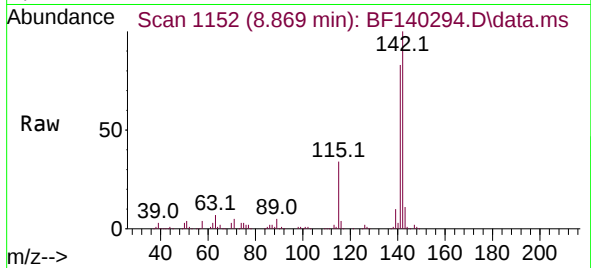
Tgt Ion:128 Resp: 259548
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.0 10.7 16.1





#37
2-Methylnaphthalene
Concen: 6.537 ng
RT: 8.869 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

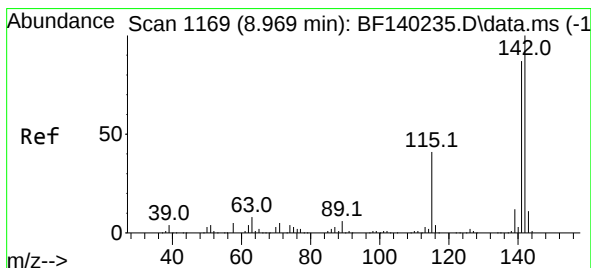
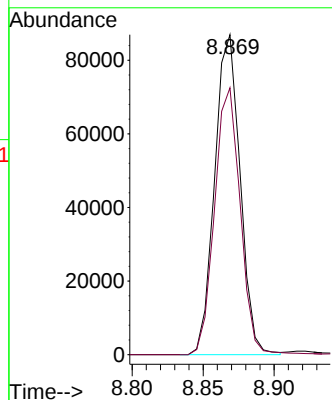
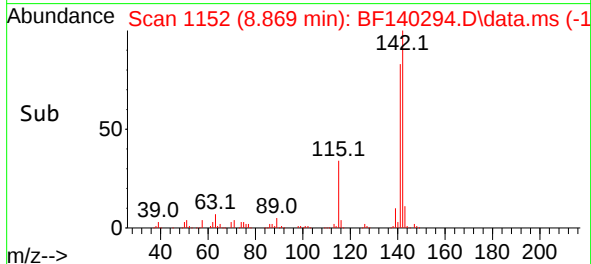
Instrument :
BNA_F
ClientSampleId :
Z-01DL



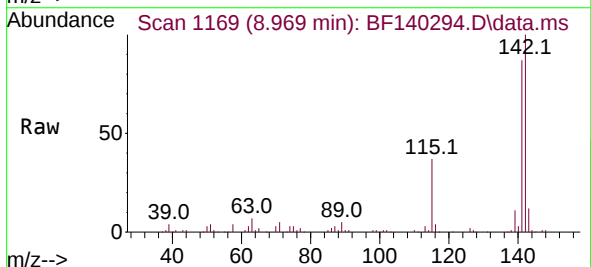
Tgt Ion:142 Resp: 10841
Ion Ratio Lower Upper
142 100
141 83.4 67.8 101.8

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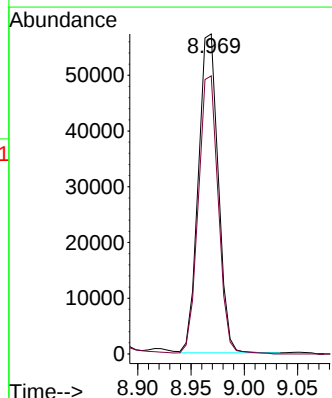
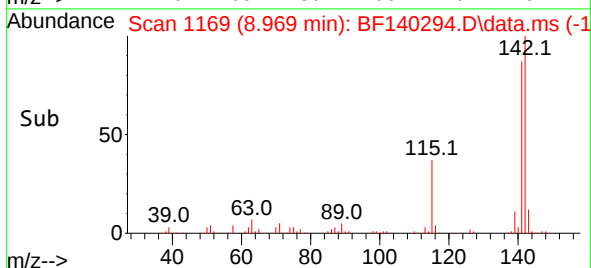
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

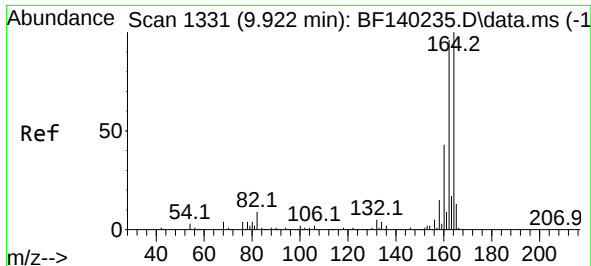


#38
1-Methylnaphthalene
Concen: 4.570 ng
RT: 8.969 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13



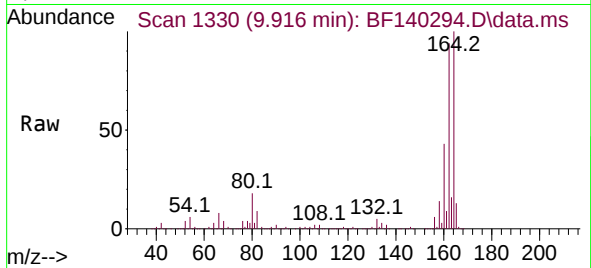
Tgt Ion:142 Resp: 74287
Ion Ratio Lower Upper
142 100
141 86.9 69.7 104.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

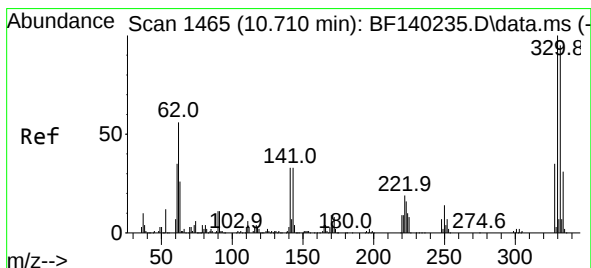
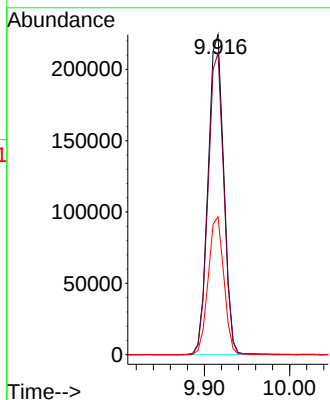
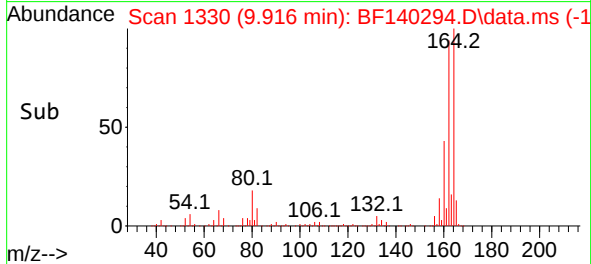
Instrument :
BNA_F
ClientSampleId :
Z-01DL



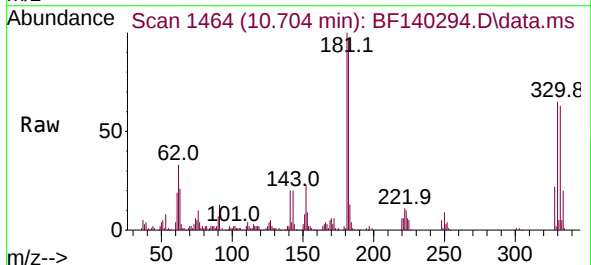
Tgt Ion:164 Resp: 287620
Ion Ratio Lower Upper
164 100
162 94.3 77.0 115.4
160 43.1 34.1 51.1

Manual Integrations
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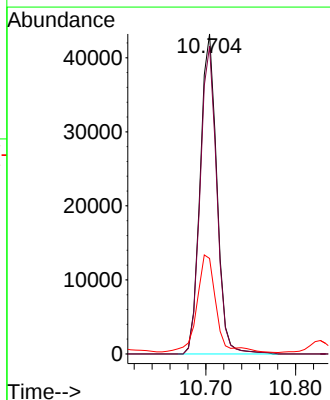
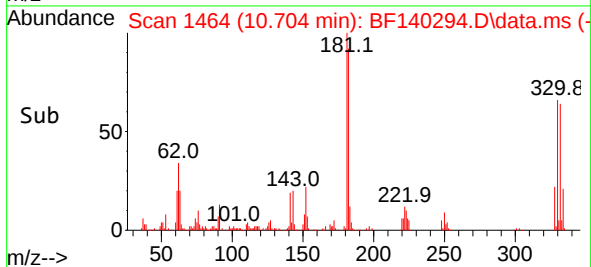
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

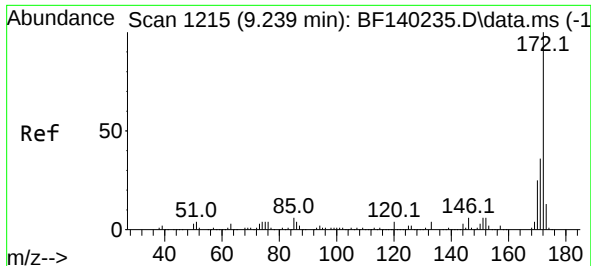


#42
2,4,6-Tribromophenol
Concen: 19.570 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13



Tgt Ion:330 Resp: 55638
Ion Ratio Lower Upper
330 100
332 96.0 76.4 114.6
141 35.1 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 13.516 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF140294.D

Acq: 08 Nov 2024 13:13

Instrument :

BNA_F

ClientSampleId :

Z-01DL

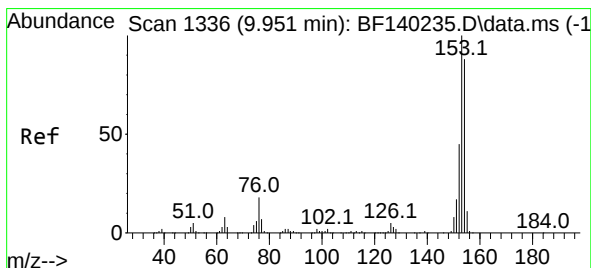
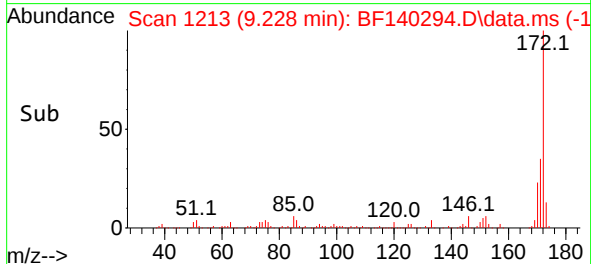
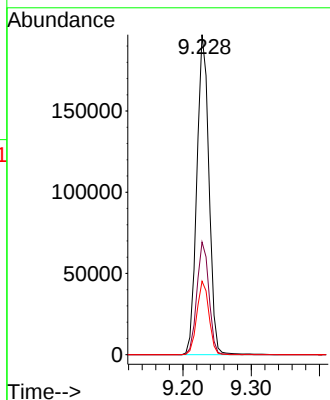
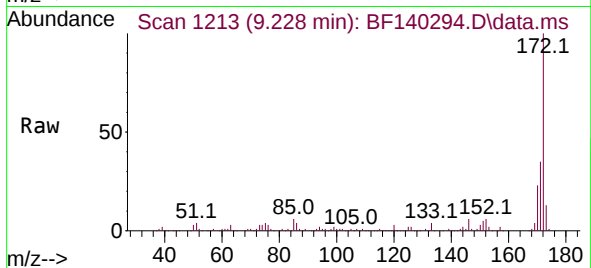
Tgt Ion:172 Resp: 243458
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.8 43.2
 170 23.0 19.6 29.4

Manual Integrations

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Supervised By :mohammad ahmed 11/11/2024



#52

Acenaphthene

Concen: 10.202 ng

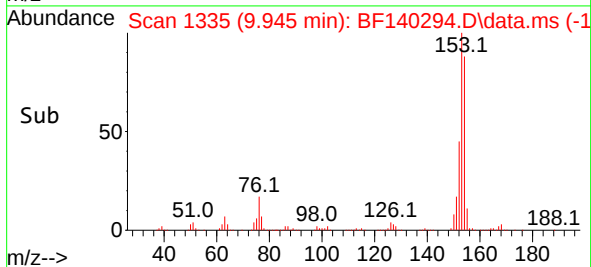
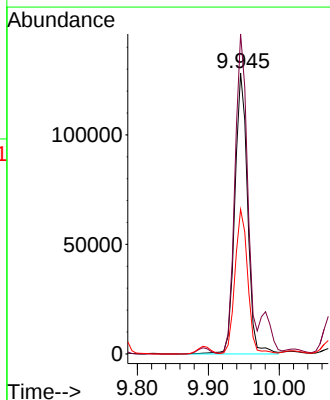
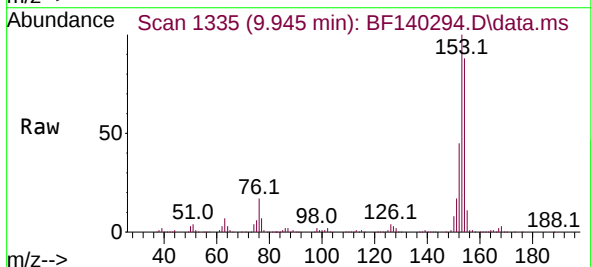
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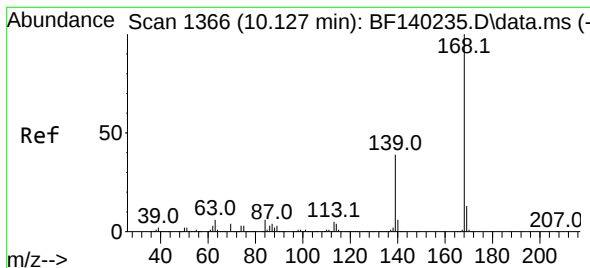
Delta R.T. -0.006 min

Lab File: BF140294.D

Acq: 08 Nov 2024 13:13

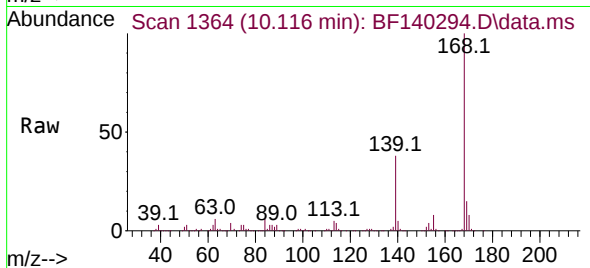
Tgt Ion:154 Resp: 160301
 Ion Ratio Lower Upper
 154 100
 153 113.9 91.3 136.9
 152 51.5 41.4 62.2





#55
Dibenzenofuran
Concen: 9.155 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.011 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

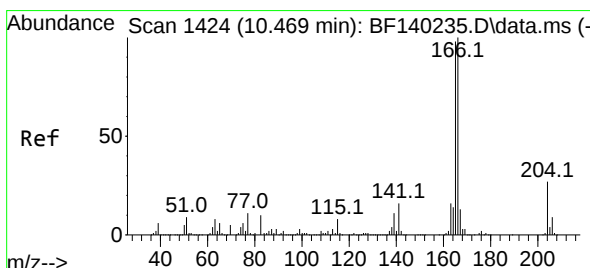
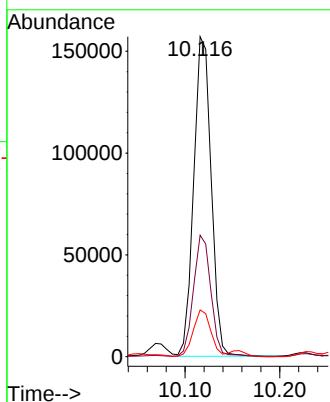
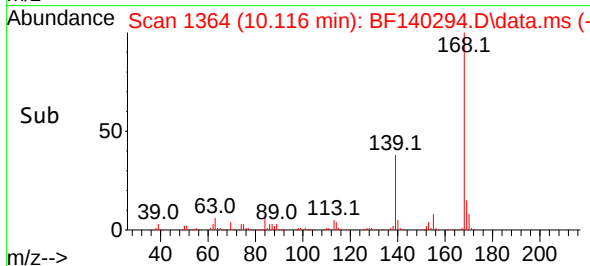
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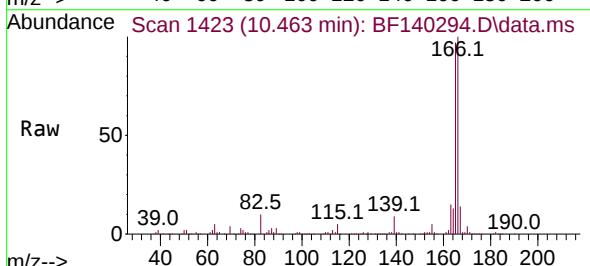
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Ion Ratio Lower Upper
168 100
139 37.9 31.5 47.3
169 14.6 10.6 15.8

Manual Integrations
APPROVED

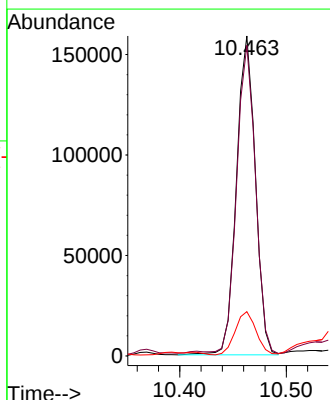
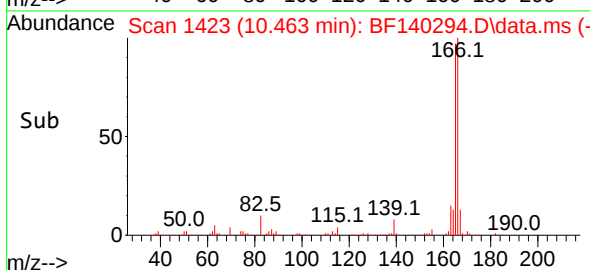
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

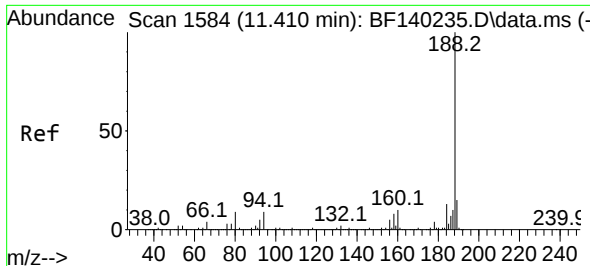


#58
Fluorene
Concen: 11.233 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13



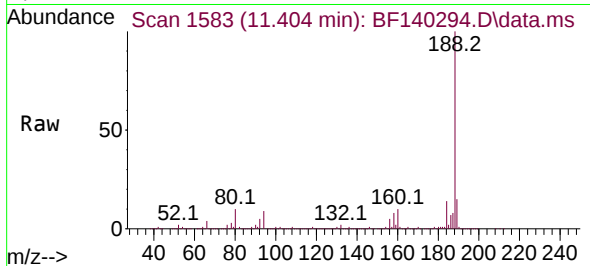
Tgt Ion:166 Resp: 196461
Ion Ratio Lower Upper
166 100
165 97.1 78.7 118.1
167 13.8 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

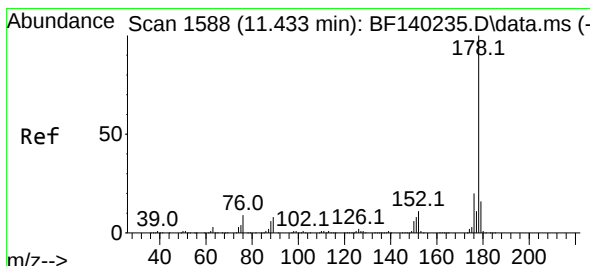
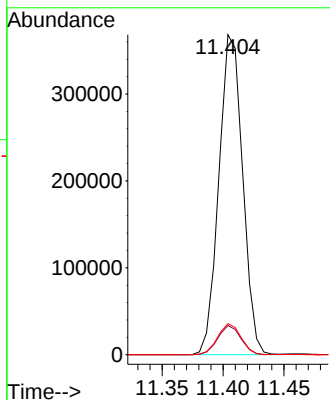
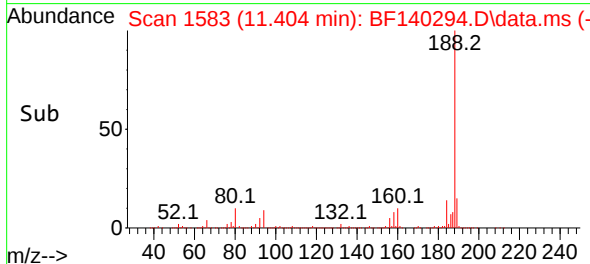
Instrument :
BNA_F
ClientSampleId :
Z-01DL



Tgt Ion:188 Resp: 500880
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 9.7 7.5 11.3

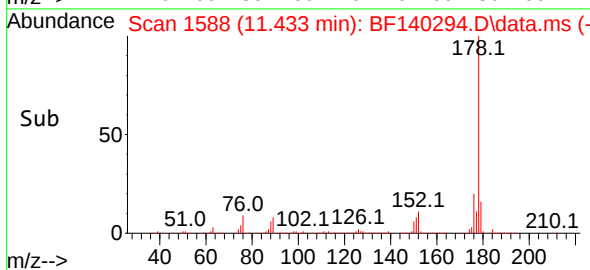
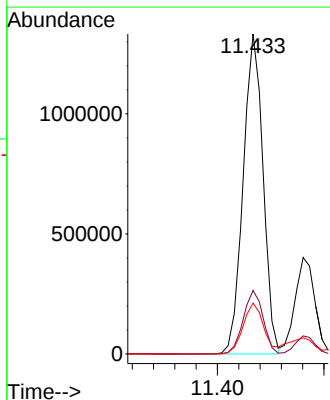
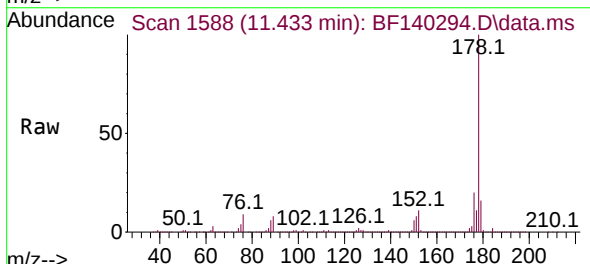
Manual Integrations
APPROVED

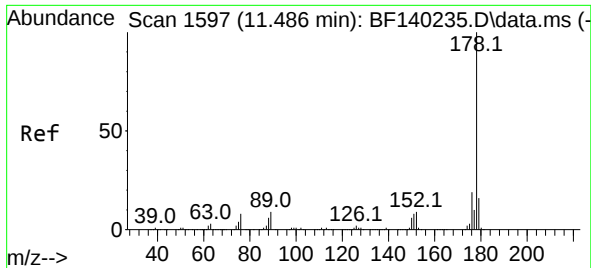
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 72.083 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

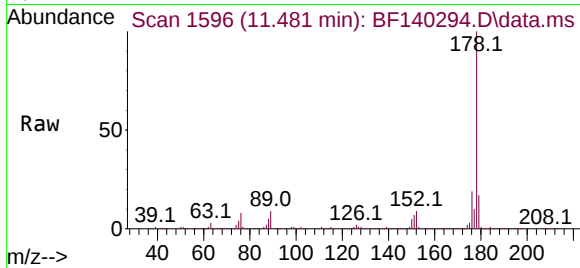
Tgt Ion:178 Resp: 1723058
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.9 12.6 18.8





#72
 Anthracene
 Concen: 22.170 ng
 RT: 11.481 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140294.D
 Acq: 08 Nov 2024 13:13

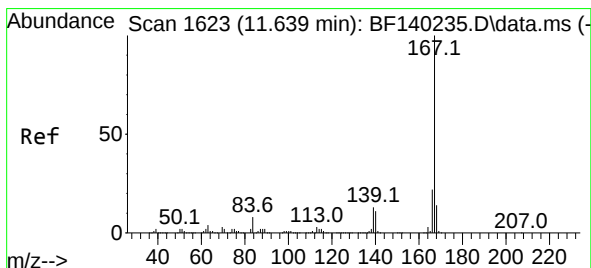
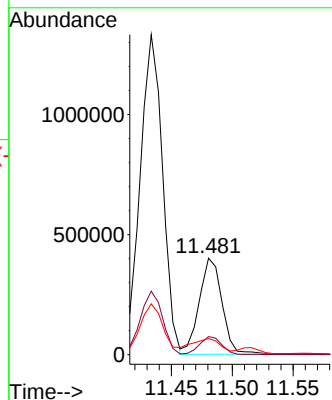
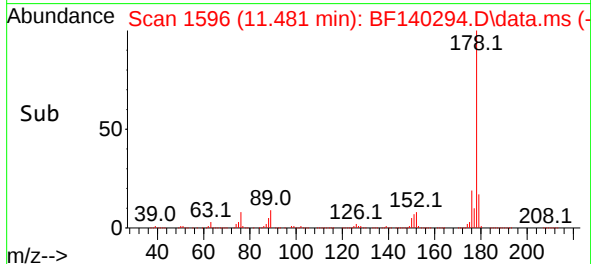
Instrument :
 BNA_F
 ClientSampleId :
 Z-01DL



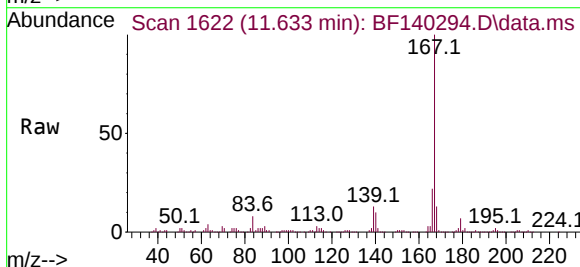
Tgt Ion:178 Resp: 51965
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 16.7 12.7 19.1

Manual Integrations
 APPROVED

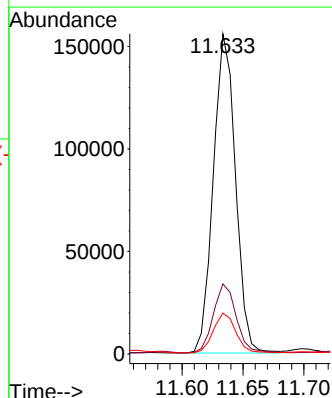
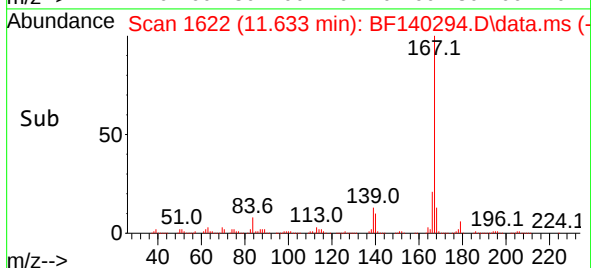
Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

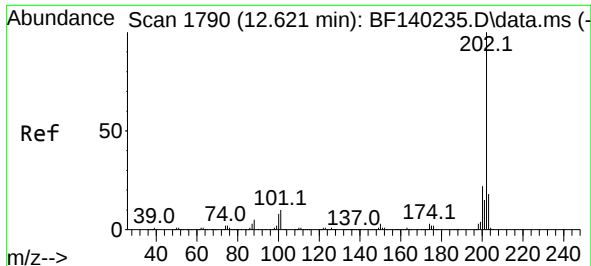


#73
 Carbazole
 Concen: 9.193 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140294.D
 Acq: 08 Nov 2024 13:13



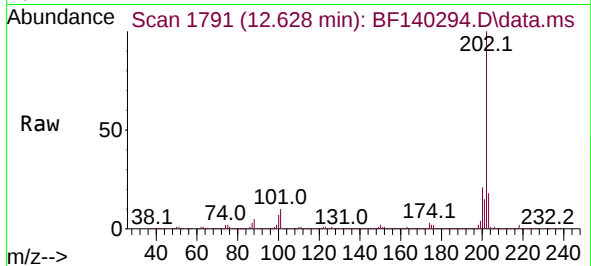
Tgt Ion:167 Resp: 196881
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.3 25.9
 139 12.8 10.7 16.1





#75
Fluoranthene
Concen: 52.897 ng
RT: 12.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

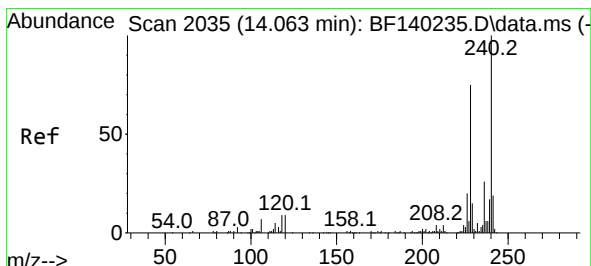
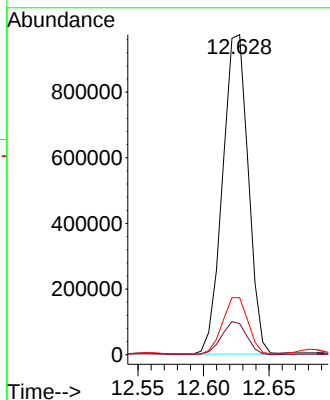
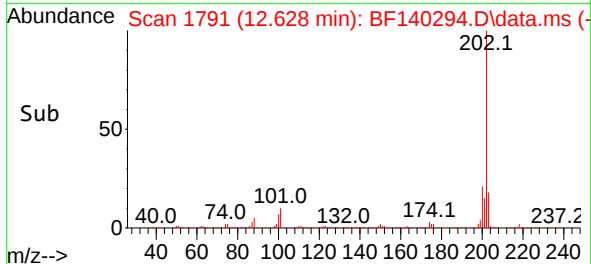
Instrument :
BNA_F
ClientSampleId :
Z-01DL



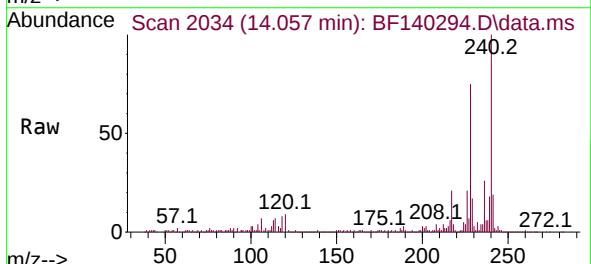
Tgt Ion:202 Resp: 132215
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.4
203 17.8 0.0 38.0

Manual Integrations
APPROVED

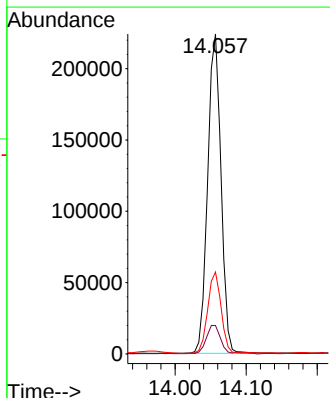
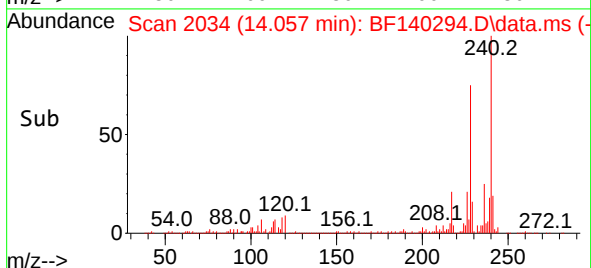
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

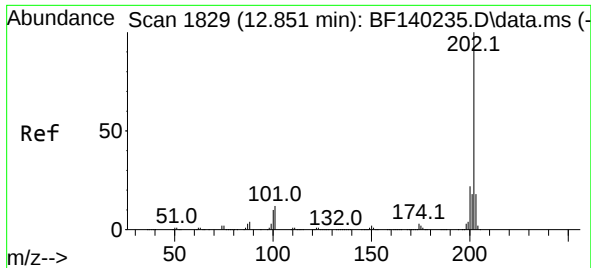


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13



Tgt Ion:240 Resp: 292758
Ion Ratio Lower Upper
240 100
120 8.9 7.5 11.3
236 25.6 20.9 31.3





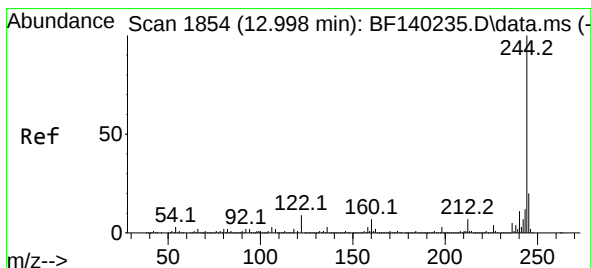
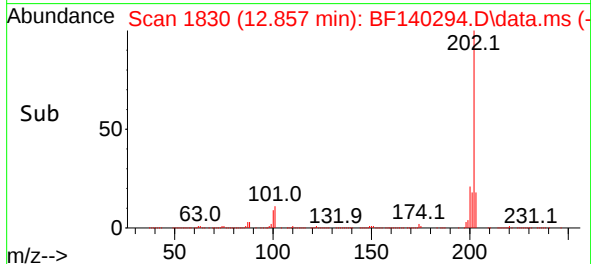
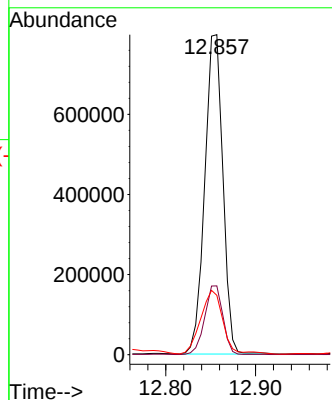
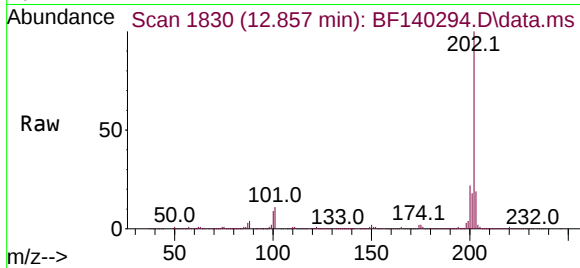
#78
Pyrene
Concen: 46.321 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

Instrument :
BNA_F
ClientSampleId :
Z-01DL

Tgt Ion:202 Resp: 111968
Ion Ratio Lower Upper
202 100
200 21.5 17.5 26.3
203 18.5 14.4 21.6

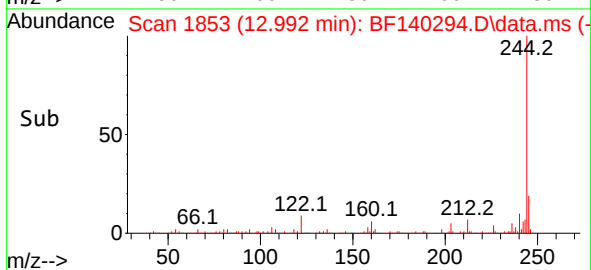
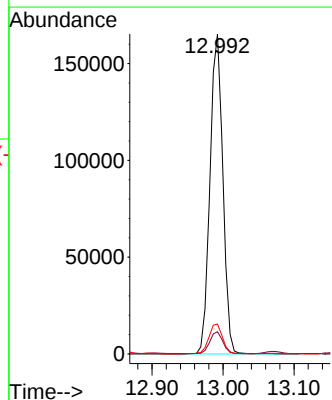
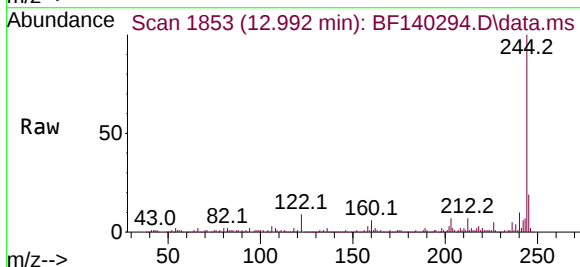
Manual Integrations
APPROVED

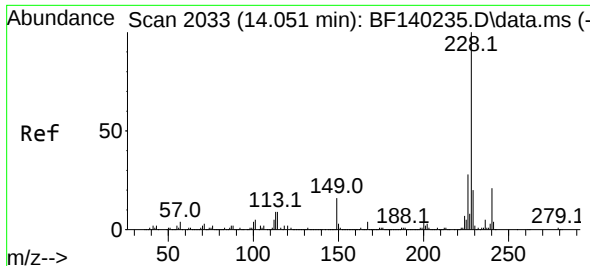
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#79
Terphenyl-d14
Concen: 11.652 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

Tgt Ion:244 Resp: 208238
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.3 7.6 11.4





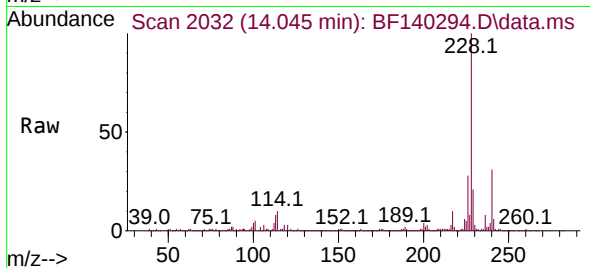
#81
Benzo(a)anthracene
Concen: 28.191 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

Instrument :

BNA_F

ClientSampleId :

Z-01DL



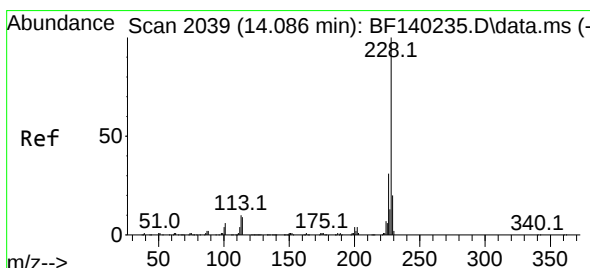
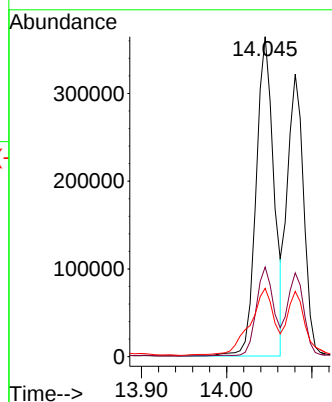
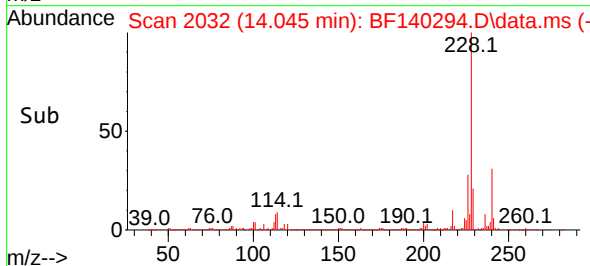
Tgt Ion:228 Resp: 529649
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 21.3 16.1 24.1

Manual Integrations

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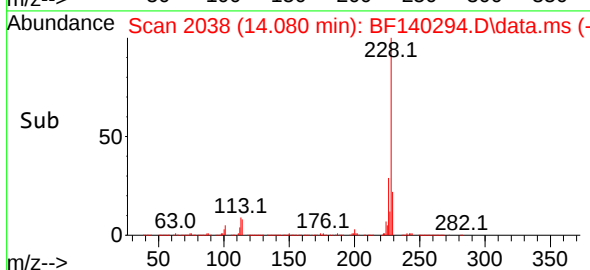
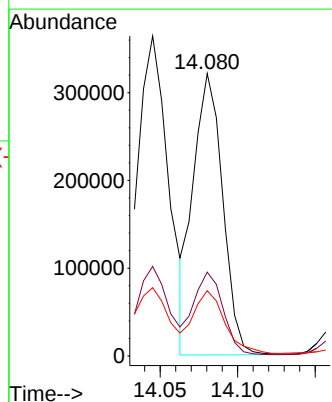
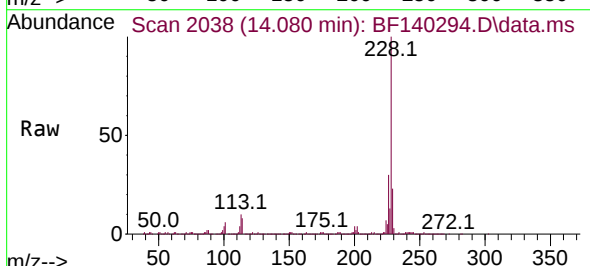
Reviewed By :Yogesh Patel 11/10/2024

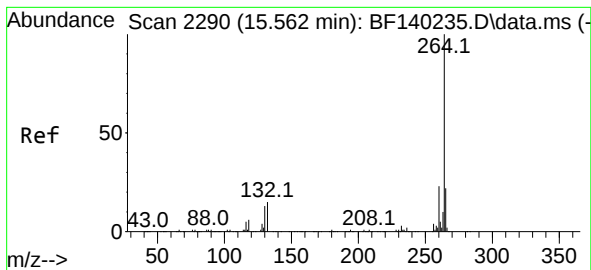
Supervised By :mohammad ahmed 11/11/2024



#83
Chrysene
Concen: 24.085 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

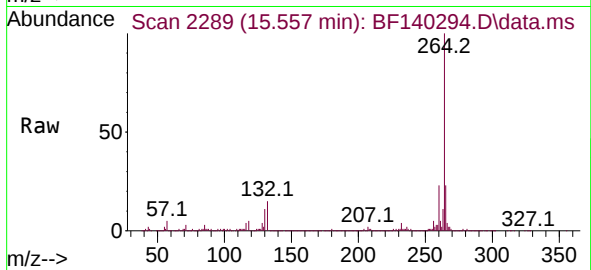
Tgt Ion:228 Resp: 423747
Ion Ratio Lower Upper
228 100
226 29.7 24.6 36.8
229 23.1 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

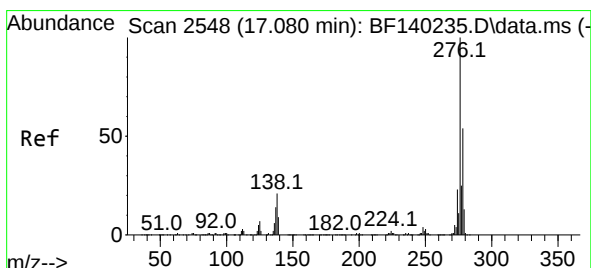
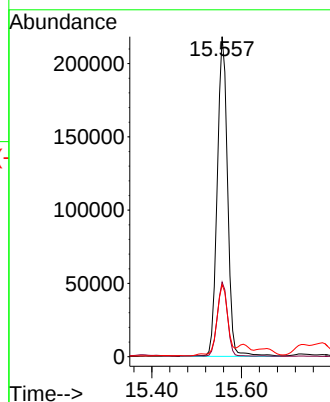
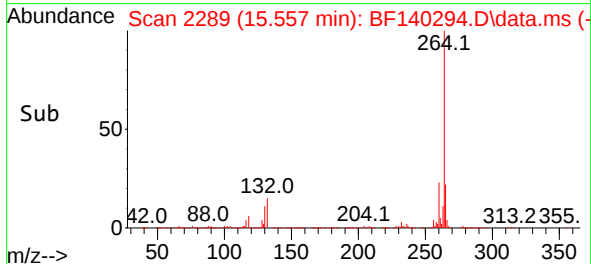
Instrument :
BNA_F
ClientSampleId :
Z-01DL



Tgt Ion:264 Resp: 349820
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.5 17.3 25.9

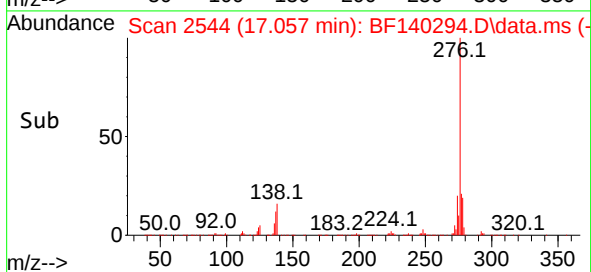
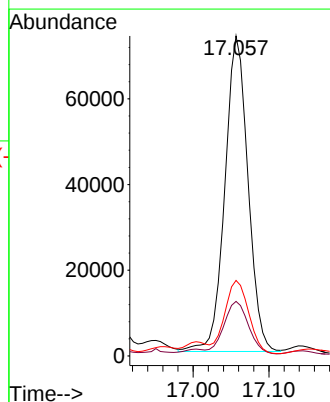
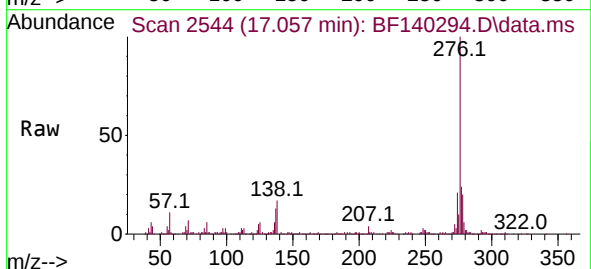
Manual Integrations
APPROVED

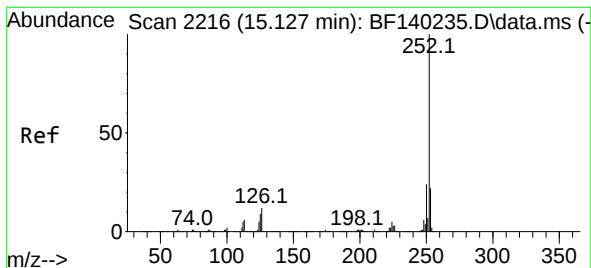
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.606 ng m
RT: 17.057 min Scan# 2544
Delta R.T. -0.023 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

Tgt Ion:276 Resp: 156193
Ion Ratio Lower Upper
276 100
138 4.0 17.6 26.4#
277 5.2 20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 21.096 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140294.D

Acq: 08 Nov 2024 13:13

Instrument :

BNA_F

ClientSampleId :

Z-01DL

Tgt Ion:252 Resp: 446390

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

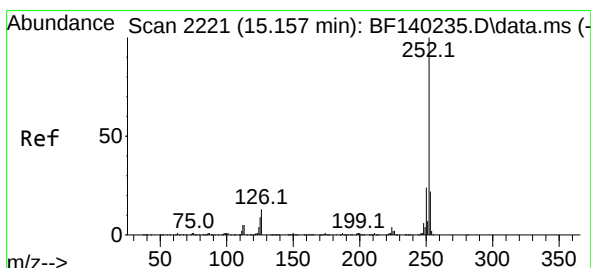
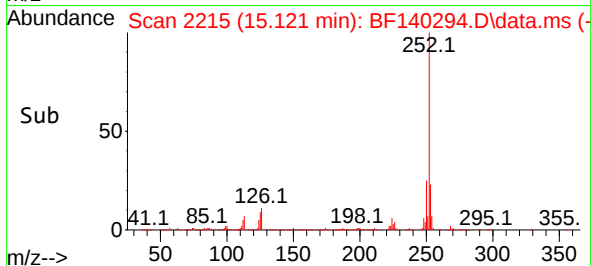
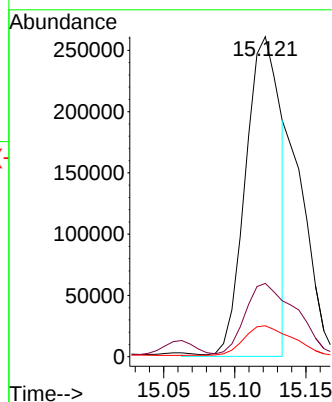
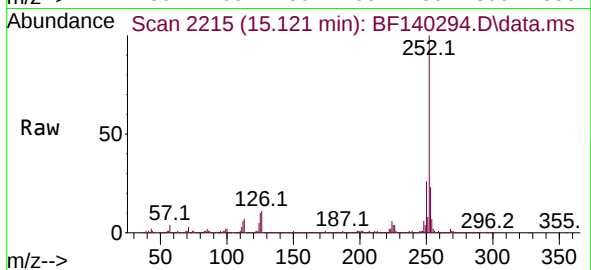
125 9.6 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#89

Benzo(k)fluoranthene

Concen: 9.607 ng m

RT: 15.133 min Scan# 2217

Delta R.T. -0.023 min

Lab File: BF140294.D

Acq: 08 Nov 2024 13:13

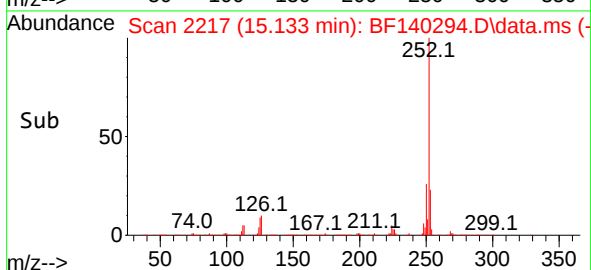
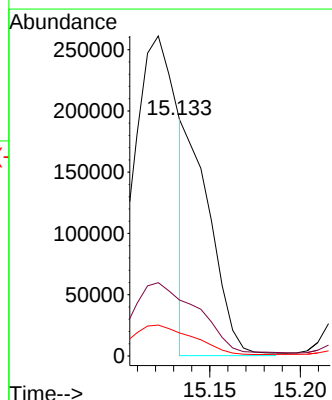
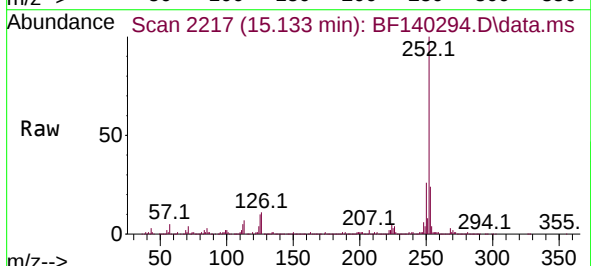
Tgt Ion:252 Resp: 186538

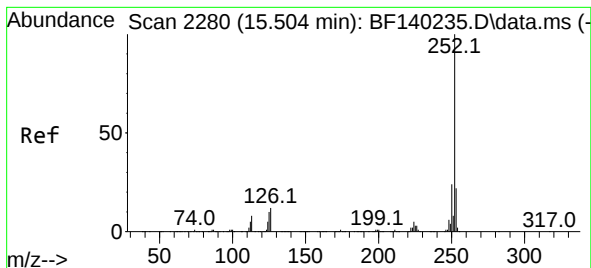
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

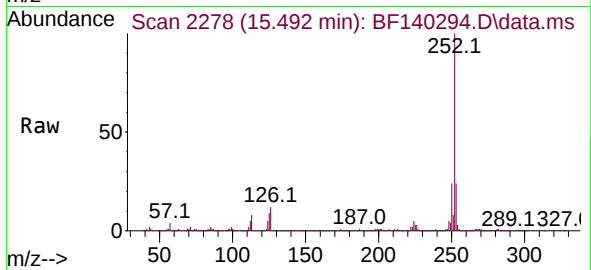
125 9.8 7.2 10.8





#90
Benzo(a)pyrene
Concen: 21.036 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

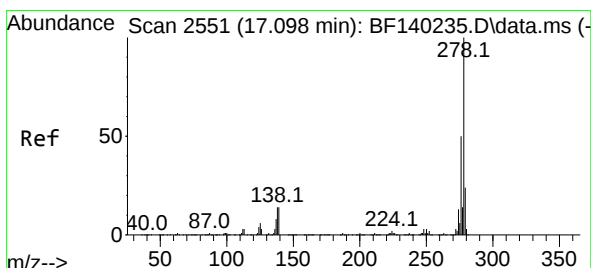
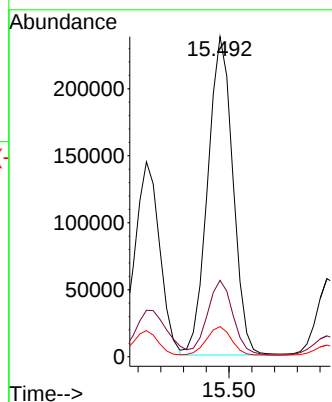
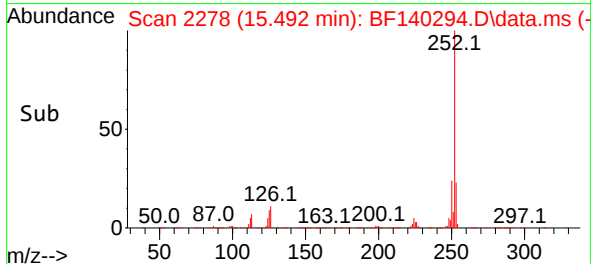
Instrument :
BNA_F
ClientSampleId :
Z-01DL



Tgt Ion:252 Resp: 367009
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 9.4 7.6 11.4

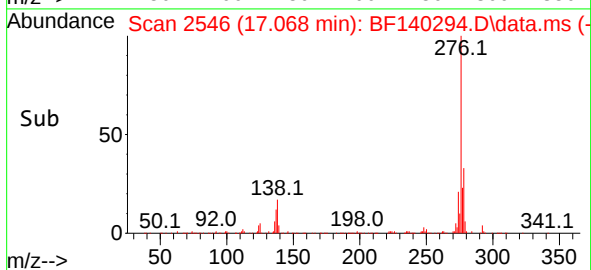
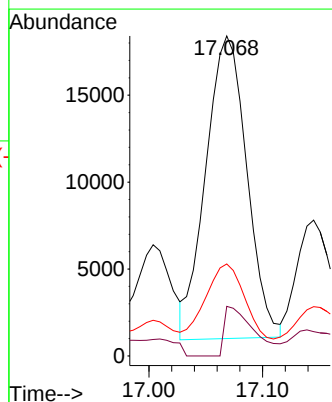
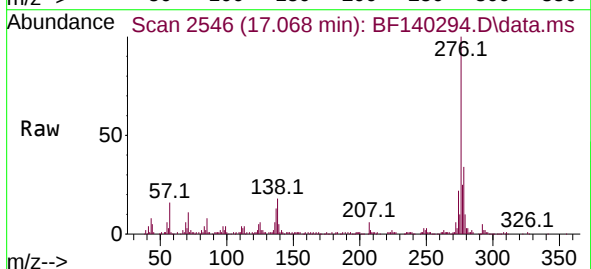
Manual Integrations
APPROVED

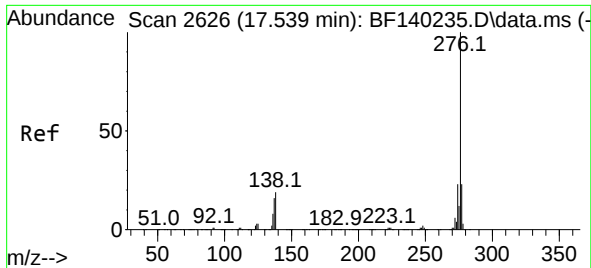
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.586 ng
RT: 17.068 min Scan# 2546
Delta R.T. -0.029 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

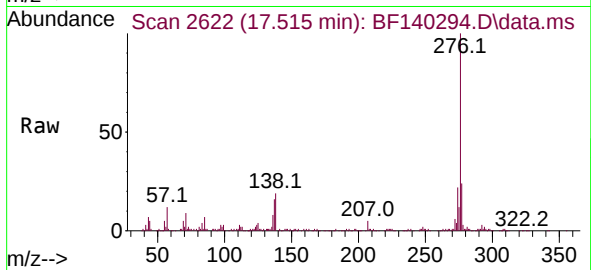
Tgt Ion:278 Resp: 43681
Ion Ratio Lower Upper
278 100
139 15.5 11.1 16.7
279 28.8 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 7.422 ng
RT: 17.515 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF140294.D
Acq: 08 Nov 2024 13:13

Instrument :
BNA_F
ClientSampleId :
Z-01DL



Tgt Ion:276 Resp: 127910
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 18.8 15.3 22.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

