

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140776.D
 Acq On : 06 Dec 2024 19:26
 Operator : RC/JU
 Sample : P5096-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-BDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 21:56:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	93831	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	297001	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	159817	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	272737	20.000	ng	0.00
76) Chrysene-d12	14.051	240	197243	20.000	ng	0.00
86) Perylene-d12	15.568	264	229053	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	254651	46.305	ng	0.00
7) Phenol-d6	6.510	99	339772	46.734	ng	0.00
23) Nitrobenzene-d5	7.428	82	212700	36.632	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	66464	38.885	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	355983	33.188	ng	-0.01
79) Terphenyl-d14	12.980	244	299500	23.644	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	32446	2.375	ng	98
71) Phenanthrene	11.422	178	132824	10.131	ng	99
72) Anthracene	11.475	178	57828	4.509	ng	98
75) Fluoranthene	12.616	202	635376	44.637	ng	99
78) Pyrene	12.845	202	555069	30.435	ng	99
81) Benzo(a)anthracene	14.045	228	397442m	30.440	ng	
83) Chrysene	14.080	228	261802	21.929	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	112670	7.548	ng	98
88) Benzo(b)fluoranthene	15.127	252	393312m	27.338	ng	
89) Benzo(k)fluoranthene	15.145	252	132669m	10.538	ng	
90) Benzo(a)pyrene	15.504	252	276724	23.656	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	37286m	3.050	ng	
92) Benzo(g,h,i)perylene	17.545	276	71543	5.735	ng	98

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

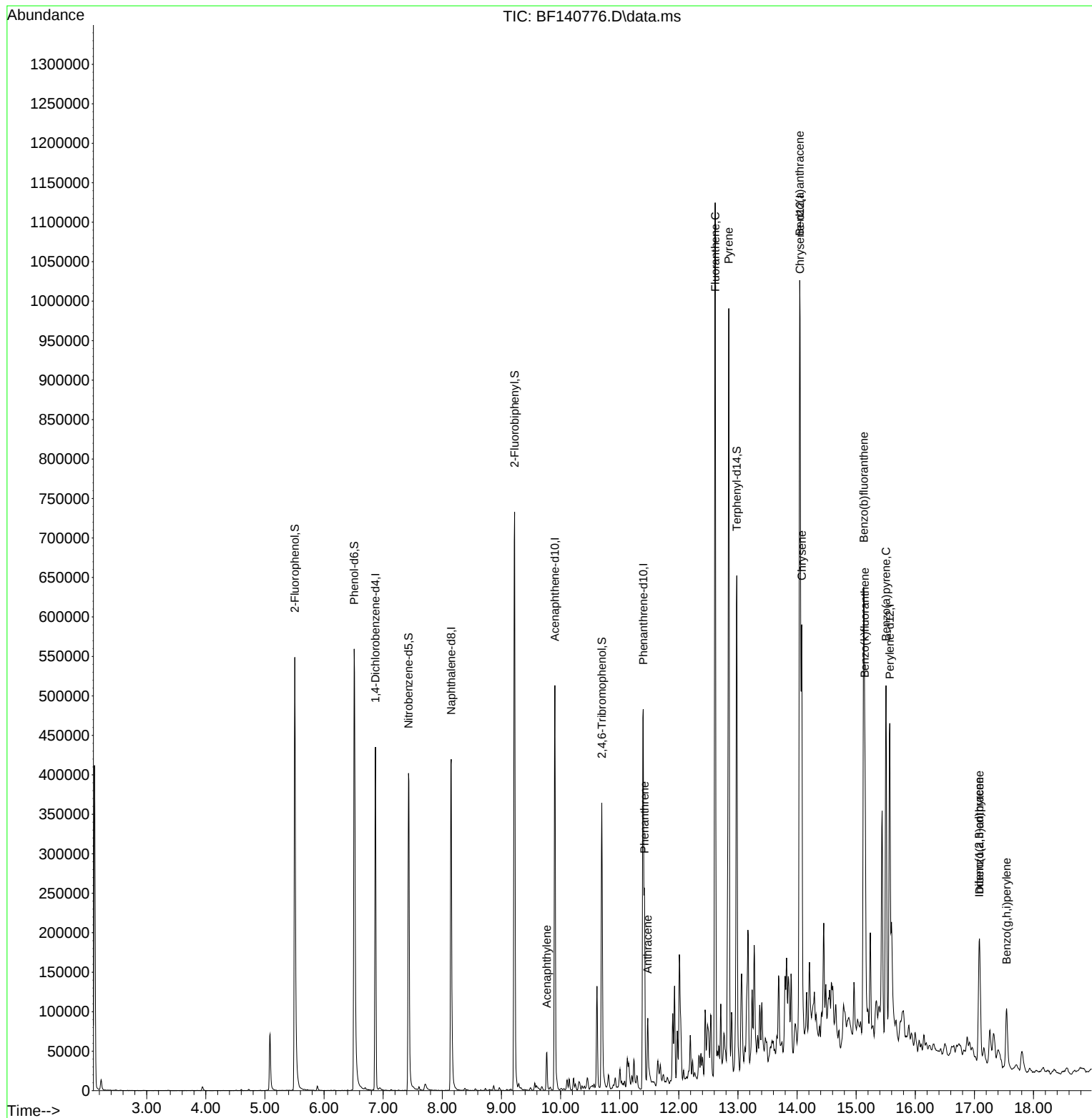
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140776.D
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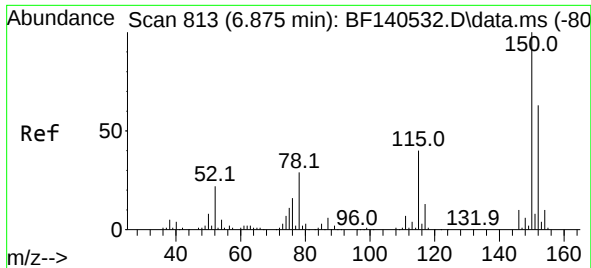
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Quant Time: Dec 06 21:56:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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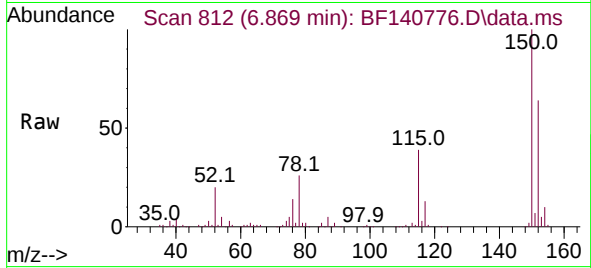
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

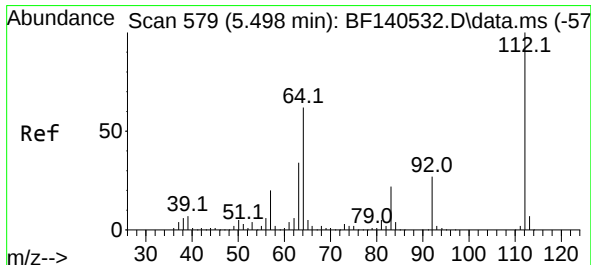
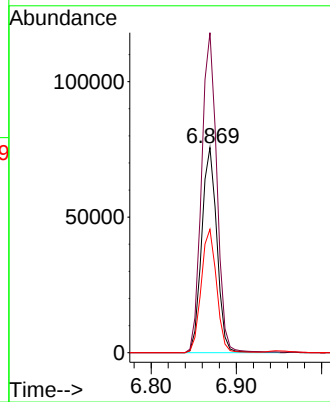
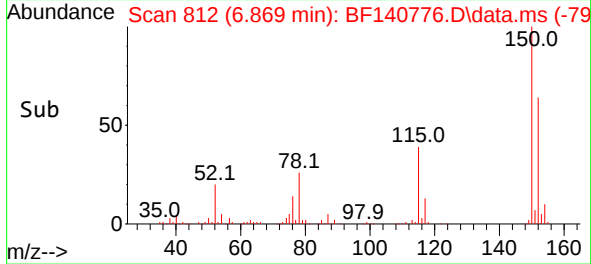
Instrument :
BNA_F
ClientSampleId :
MH-BDL



Tgt Ion:152 Resp: 9383
Ion Ratio Lower Upper
152 100
150 156.0 128.5 192.7
115 60.2 50.2 75.4

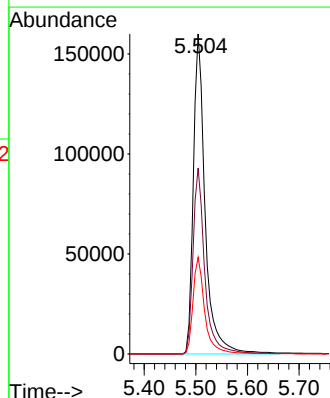
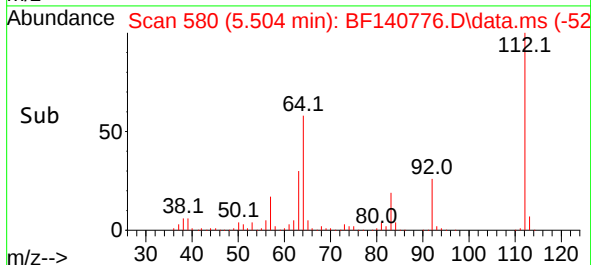
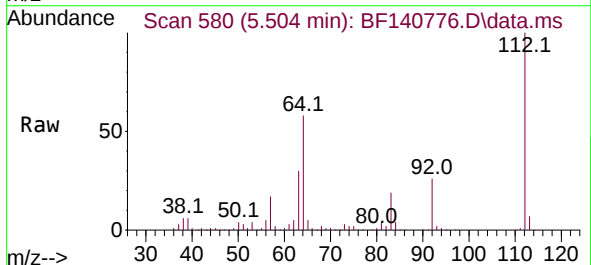
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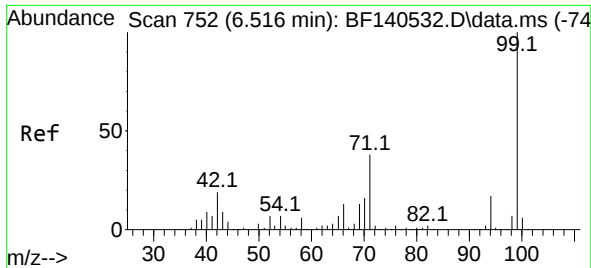
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#5
2-Fluorophenol
Concen: 46.305 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

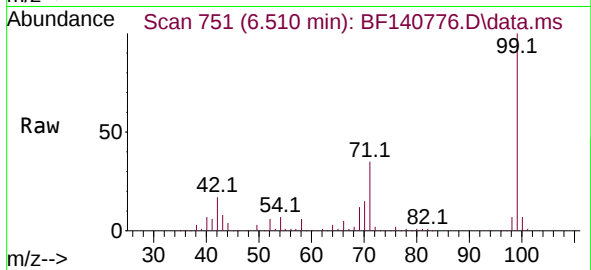
Tgt Ion:112 Resp: 254651
Ion Ratio Lower Upper
112 100
64 58.0 49.2 73.8
63 30.2 27.0 40.4





#7
Phenol-d6
Concen: 46.734 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

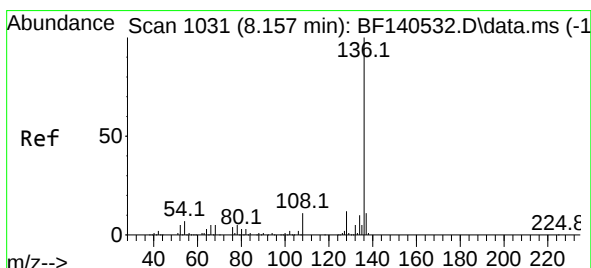
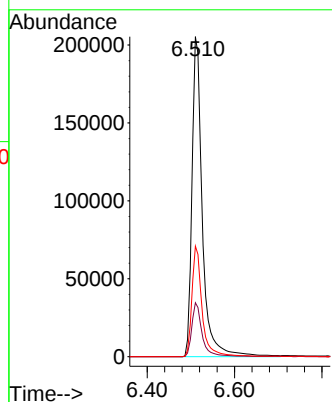
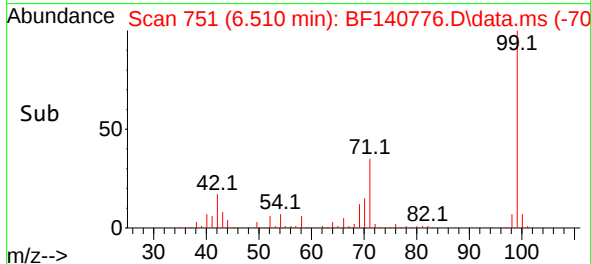
Instrument :
BNA_F
ClientSampleId :
MH-BDL



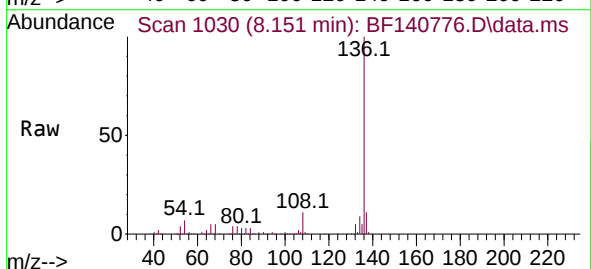
Tgt Ion: 99 Resp: 339772
Ion Ratio Lower Upper
99 100
42 16.9 15.4 23.0
71 34.5 30.6 46.0

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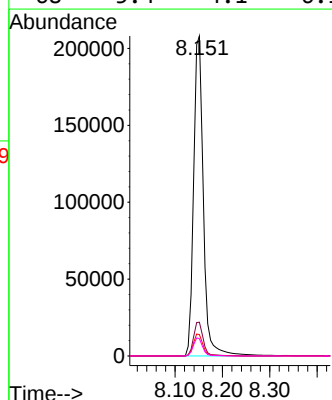
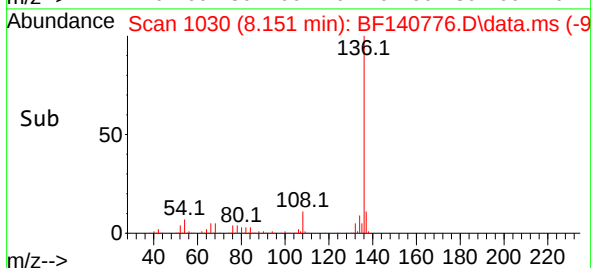
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

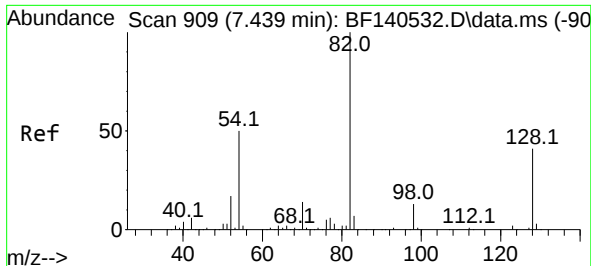


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26



Tgt Ion:136 Resp: 297001
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 6.7 5.8 8.8
68 5.4 4.1 6.1





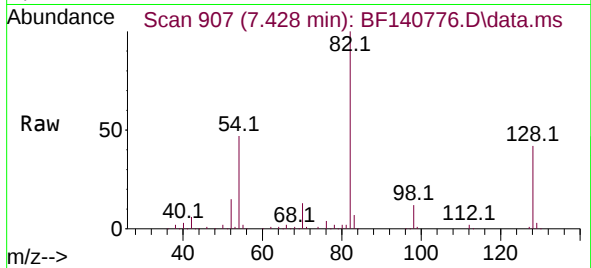
#23
Nitrobenzene-d5
Concen: 36.632 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

Instrument :

BNA_F

ClientSampleId :

MH-BDL

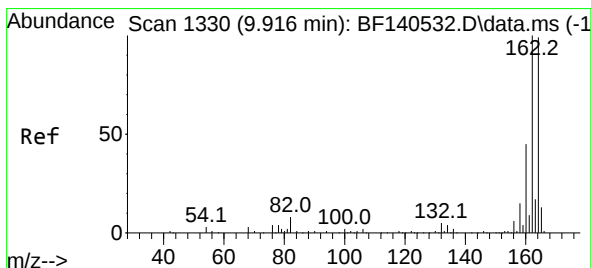
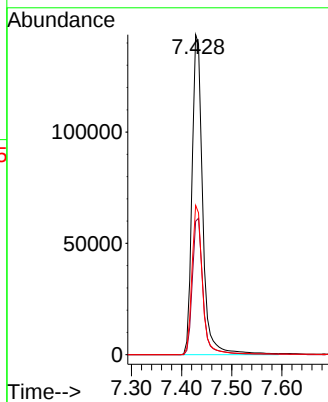
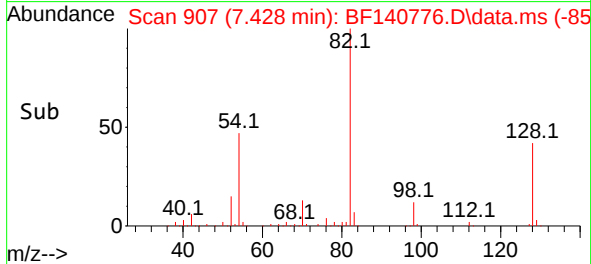


Tgt Ion: 82 Resp: 212700
Ion Ratio Lower Upper
82 100
128 41.7 33.0 49.4
54 46.7 39.5 59.3

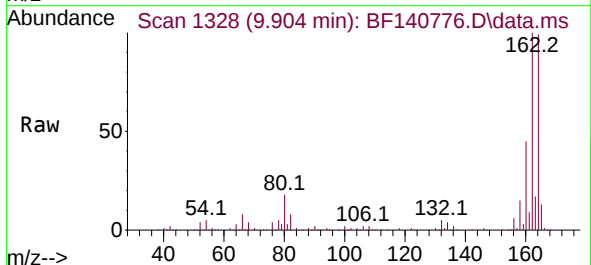
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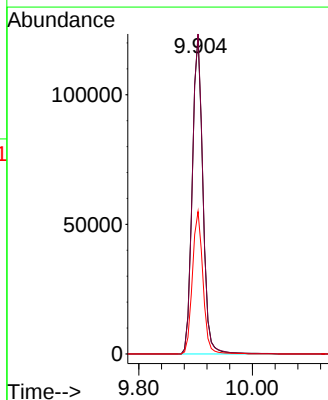
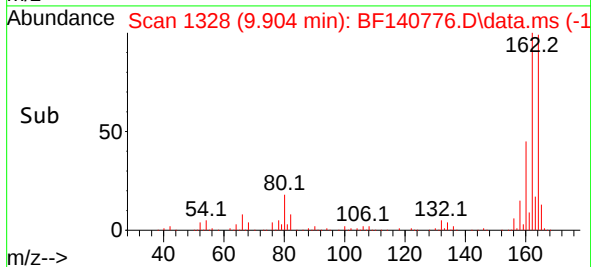
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

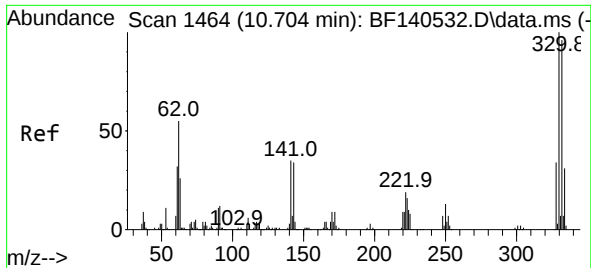


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26



Tgt Ion:164 Resp: 159817
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.9 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 38.885 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

Instrument :

BNA_F

ClientSampleId :

MH-BDL

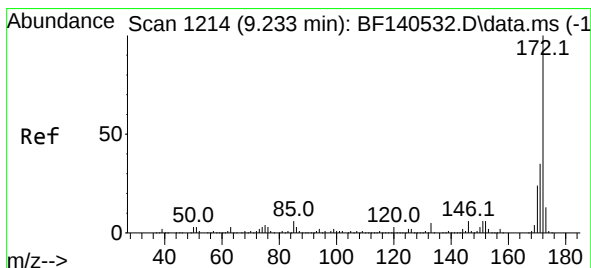
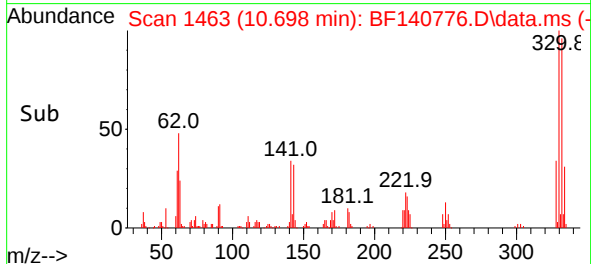
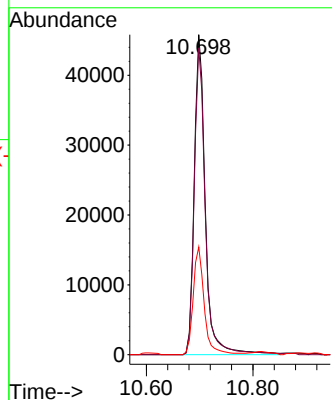
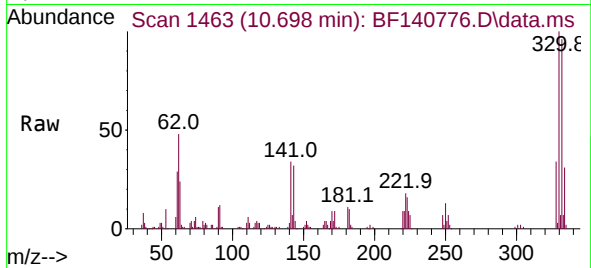
Tgt Ion:330 Resp: 66464
Ion Ratio Lower Upper
330 100
332 95.5 76.9 115.3
141 33.4 26.7 40.1

Manual Integrations

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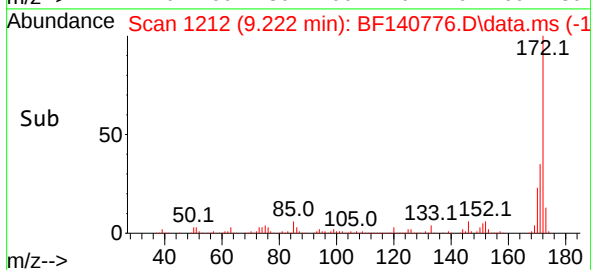
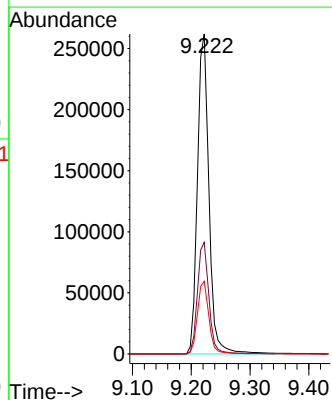
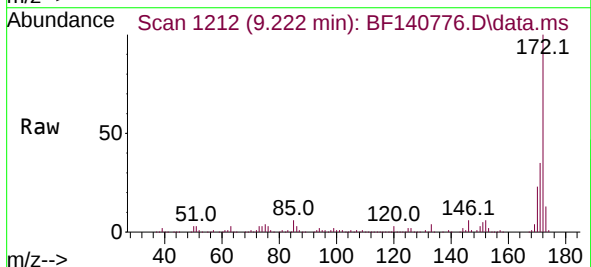
Reviewed By :Yogesh Patel 12/10/2024

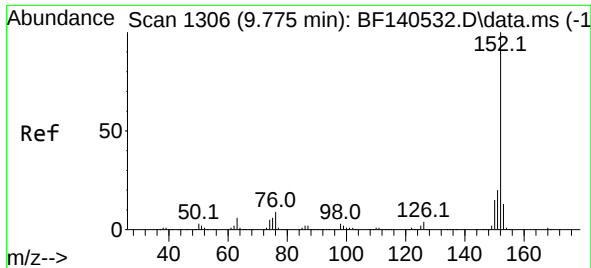
Supervised By :mohammad ahmed 12/10/2024



#45
2-Fluorobiphenyl
Concen: 33.188 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

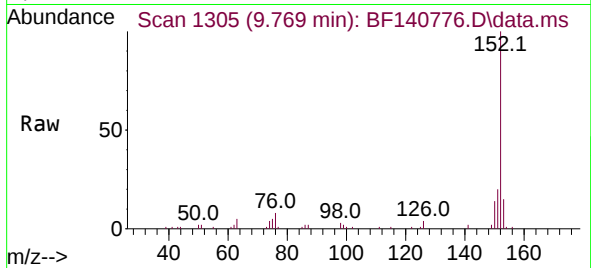
Tgt Ion:172 Resp: 355983
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 22.7 19.0 28.6





#49
Acenaphthylene
Concen: 2.375 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

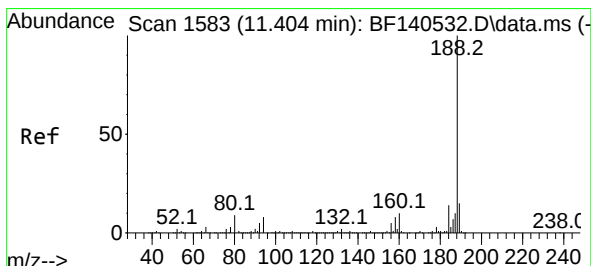
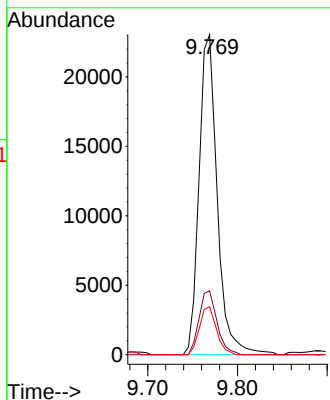
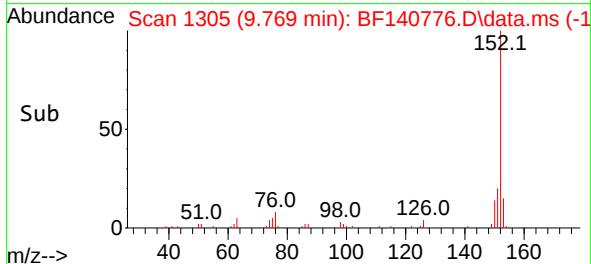
Instrument :
BNA_F
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MH-BDL



Tgt Ion:152 Resp: 32440
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 15.0 10.6 16.0

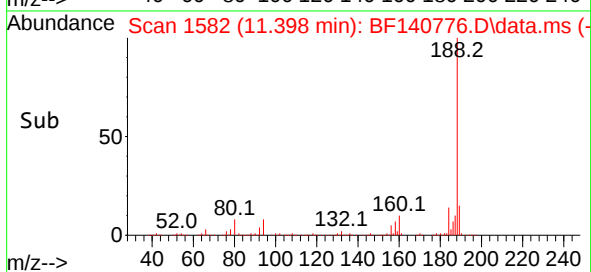
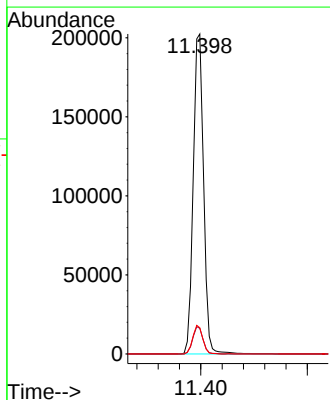
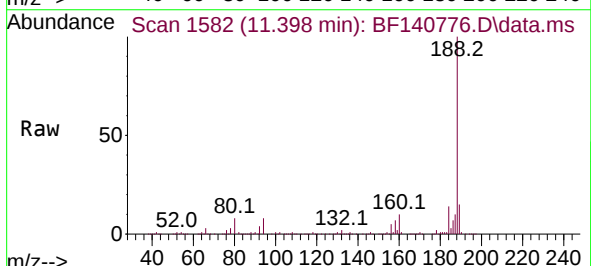
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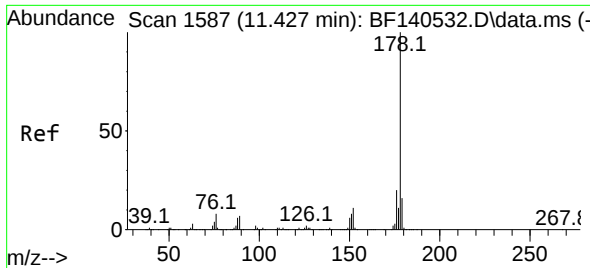
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

Tgt Ion:188 Resp: 272737
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.2 6.9 10.3





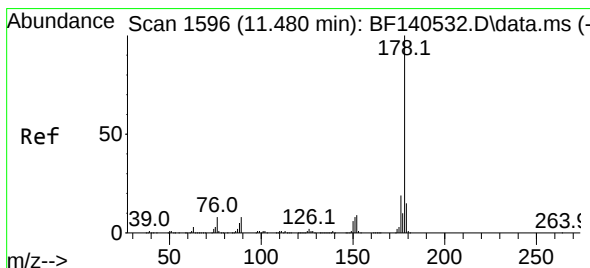
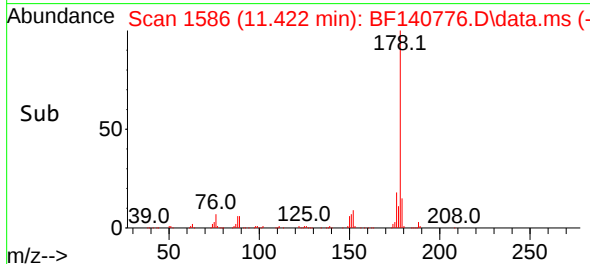
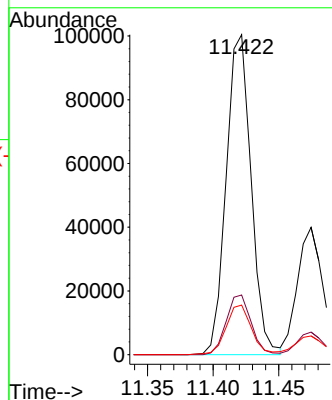
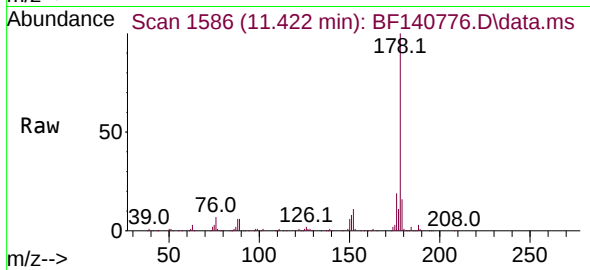
#71
Phenanthrene
Concen: 10.131 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

Instrument :
BNA_F
ClientSampleId :
MH-BDL

Tgt Ion:178 Resp: 132824
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.5 12.4 18.6

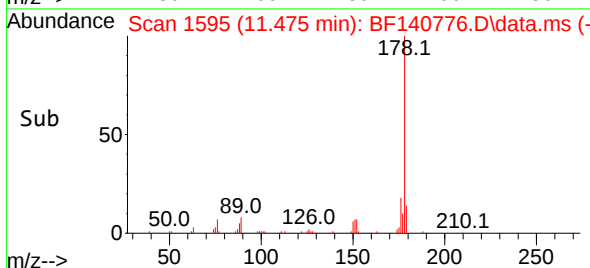
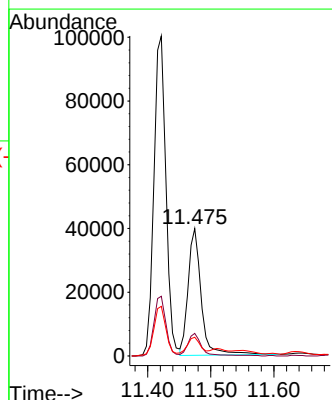
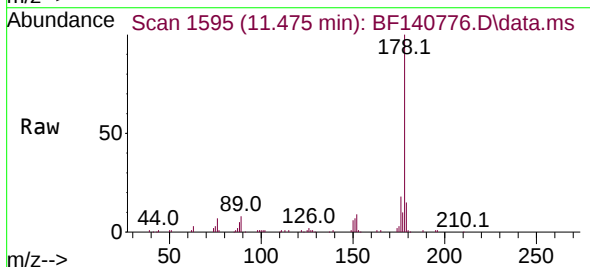
Manual Integrations
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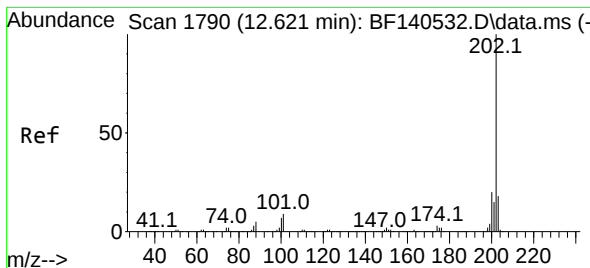
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#72
Anthracene
Concen: 4.509 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

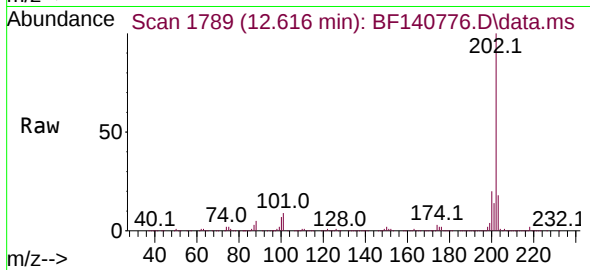
Tgt Ion:178 Resp: 57828
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 44.637 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

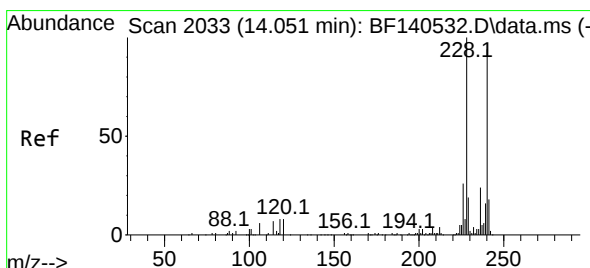
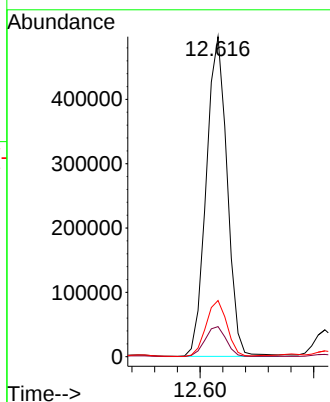
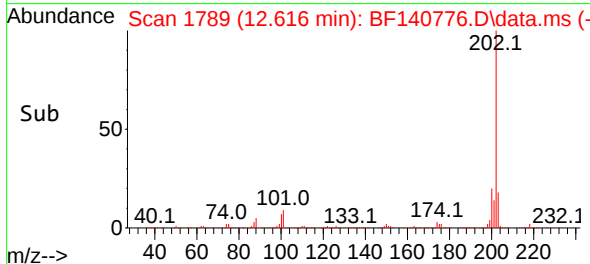
Instrument :
BNA_F
ClientSampleId :
MH-BDL



Tgt Ion:202 Resp: 635370
Ion Ratio Lower Upper
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101 9.4 0.0 28.9
203 17.6 0.0 37.6

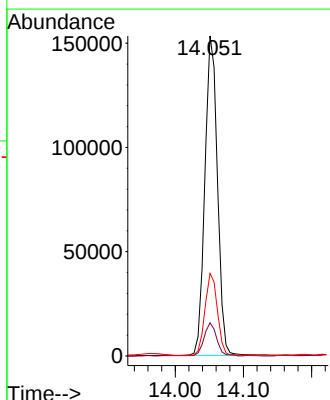
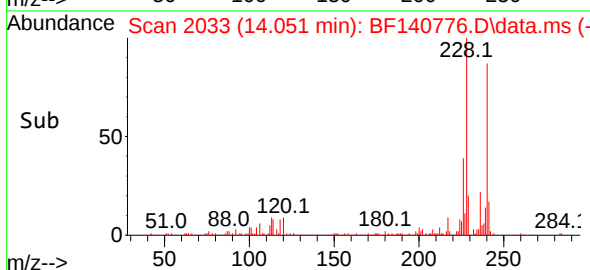
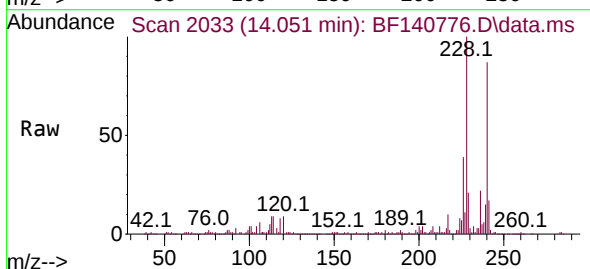
Manual Integrations
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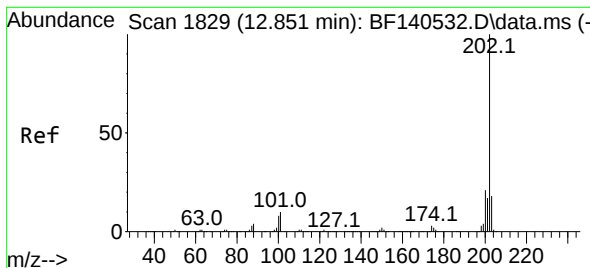
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

Tgt Ion:240 Resp: 197243
Ion Ratio Lower Upper
240 100
120 10.4 7.3 10.9
236 25.8 20.6 31.0





#78

Pyrene

Concen: 30.435 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140776.D

Acq: 06 Dec 2024 19:26

Instrument :

BNA_F

ClientSampleId :

MH-BDL

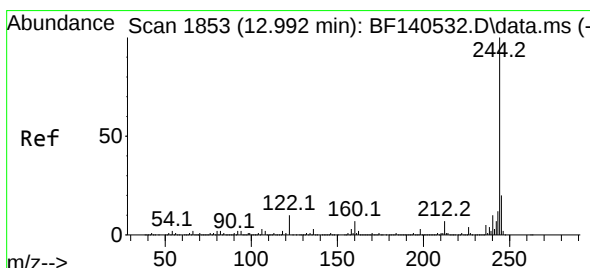
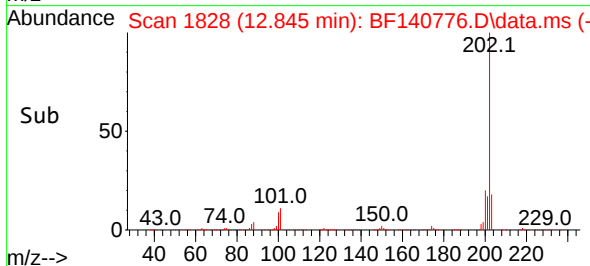
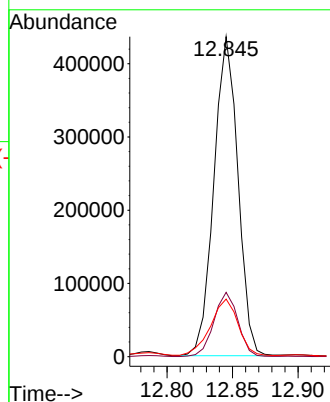
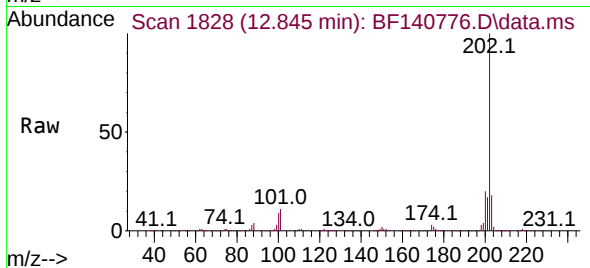
Tgt Ion:	202	Resp:	555069
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.5	24.7
203	18.0	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#79

Terphenyl-d14

Concen: 23.644 ng

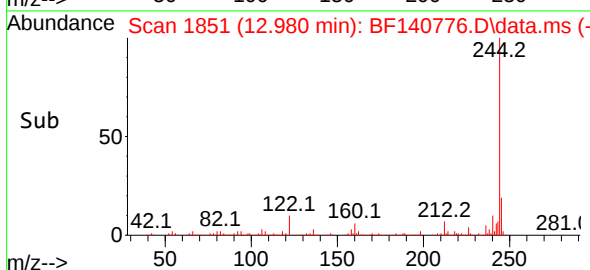
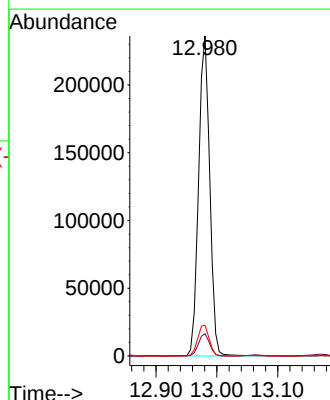
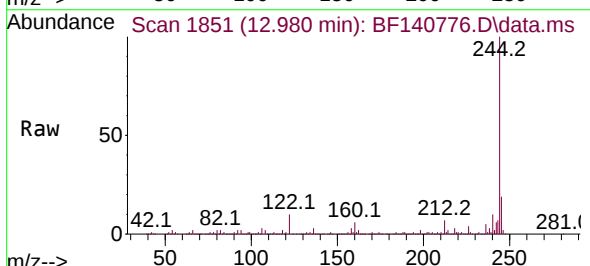
RT: 12.980 min Scan# 1851

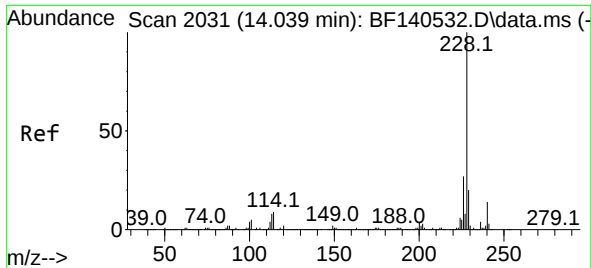
Delta R.T. -0.012 min

Lab File: BF140776.D

Acq: 06 Dec 2024 19:26

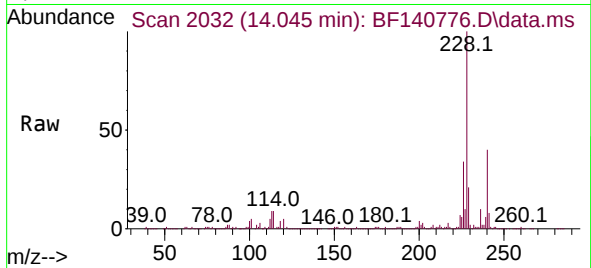
Tgt Ion:	244	Resp:	299500
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	9.6	8.0	12.0





#81
Benzo(a)anthracene
Concen: 30.440 ng m
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

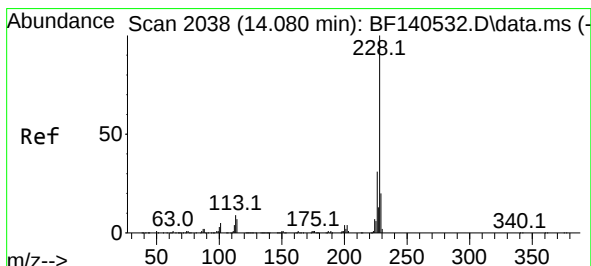
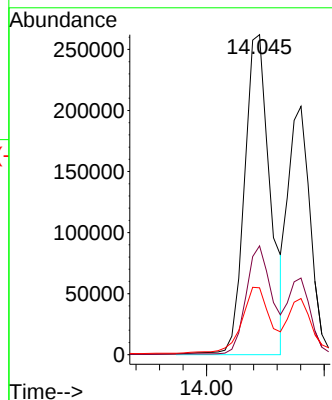
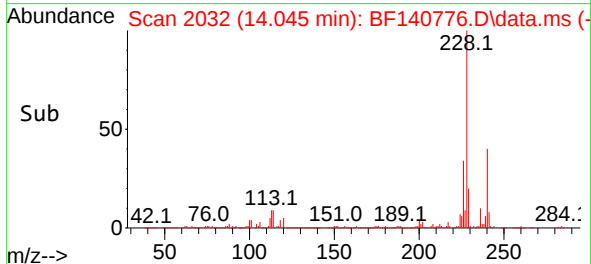
Instrument :
BNA_F
ClientSampleId :
MH-BDL



Tgt Ion:228 Resp: 39744
Ion Ratio Lower Upper
228 100
226 34.0 21.8 32.8
229 20.9 15.8 23.6

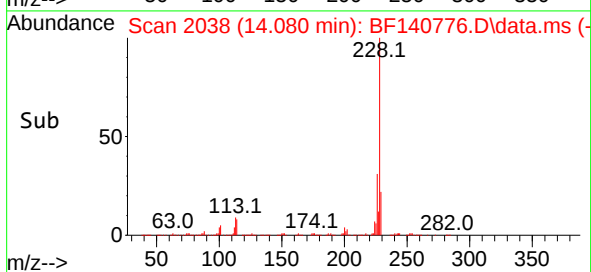
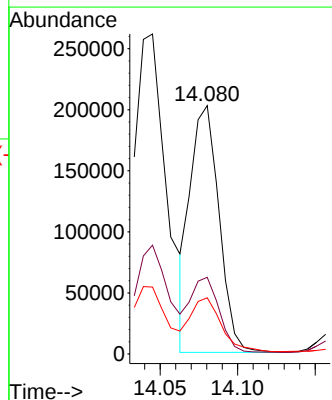
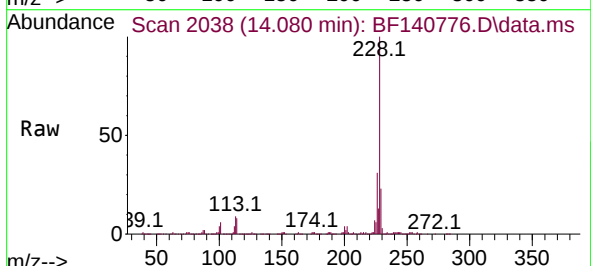
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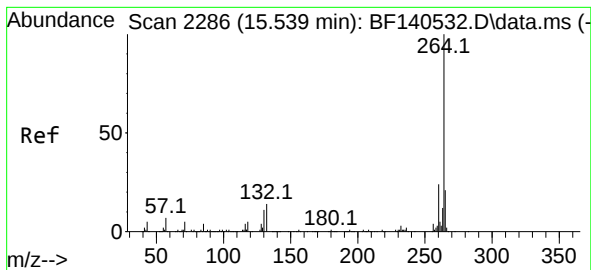
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#83
Chrysene
Concen: 21.929 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

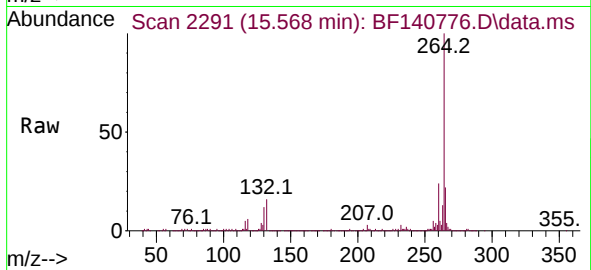
Tgt Ion:228 Resp: 261802
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.6 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.568 min Scan# 2286
 Delta R.T. 0.030 min
 Lab File: BF140776.D
 Acq: 06 Dec 2024 19:26

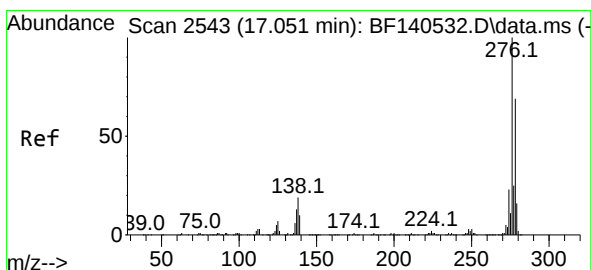
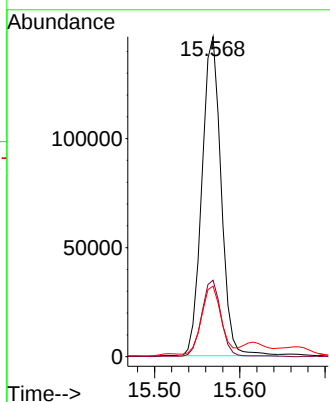
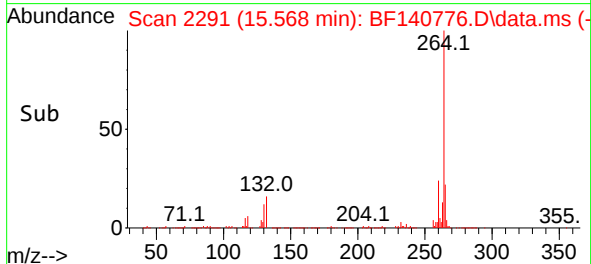
Instrument :
 BNA_F
 ClientSampleId :
 MH-BDL



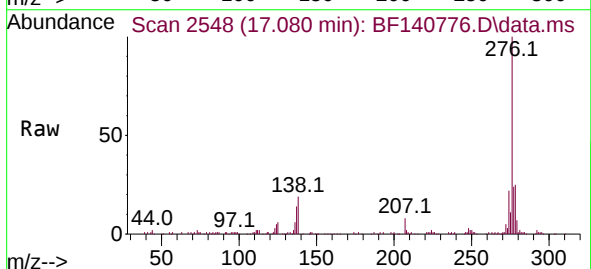
Tgt Ion:264 Resp: 22905
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 22.1 16.6 25.0

Manual Integrations
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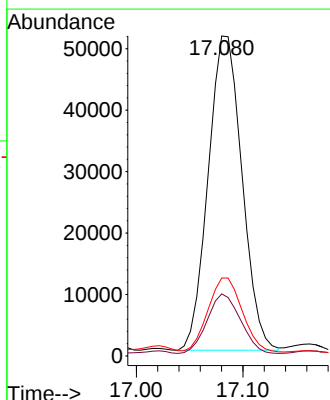
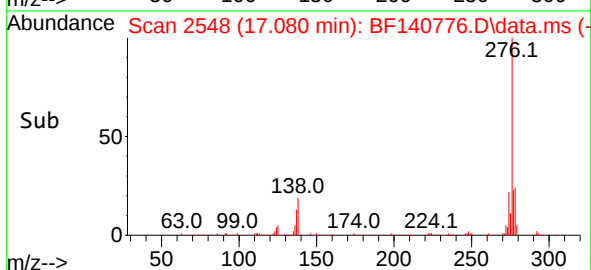
Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

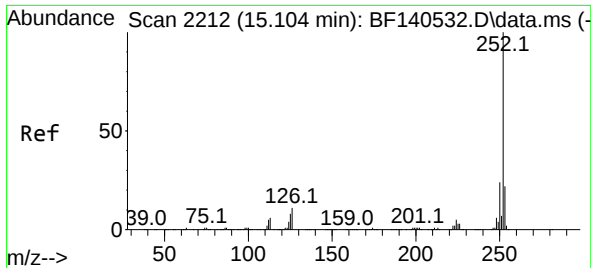


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.548 ng
 RT: 17.080 min Scan# 2548
 Delta R.T. 0.030 min
 Lab File: BF140776.D
 Acq: 06 Dec 2024 19:26



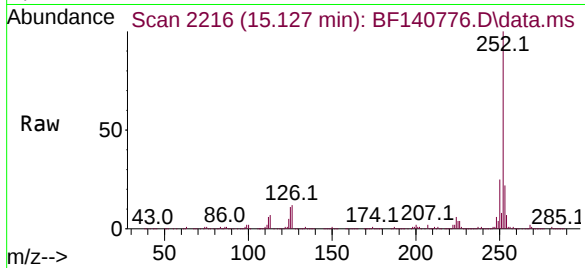
Tgt Ion:276 Resp: 112670
 Ion Ratio Lower Upper
 276 100
 138 19.0 15.5 23.3
 277 23.8 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 27.338 ng m
RT: 15.127 min Scan# 2216
Delta R.T. 0.024 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26

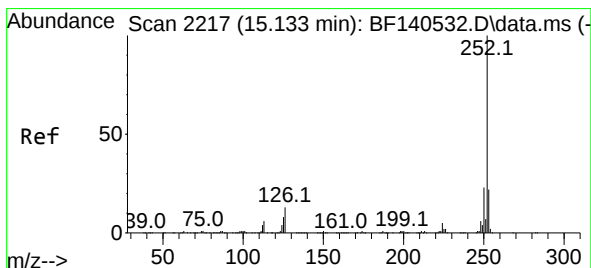
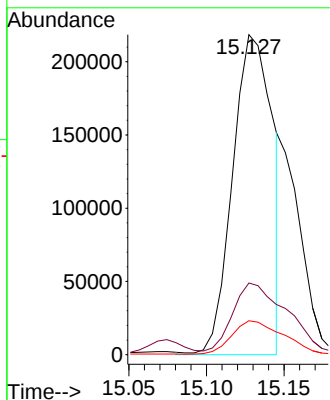
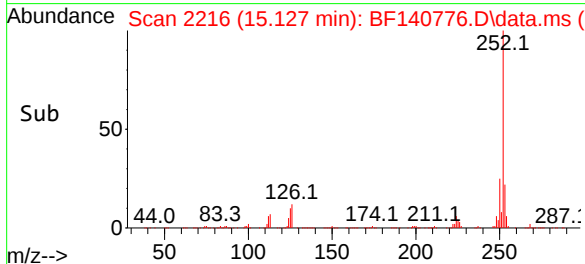
Instrument :
BNA_F
ClientSampleId :
MH-BDL



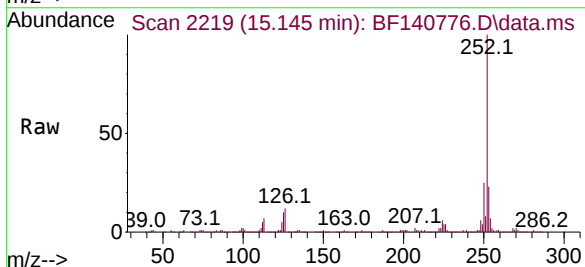
Tgt Ion:252 Resp: 393312
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 10.6 6.7 10.1

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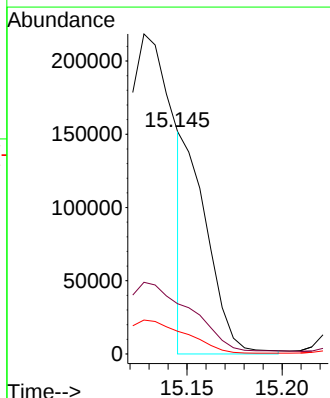
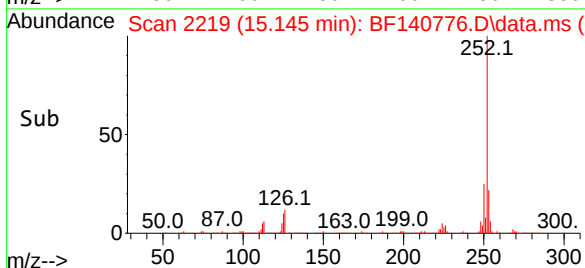
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

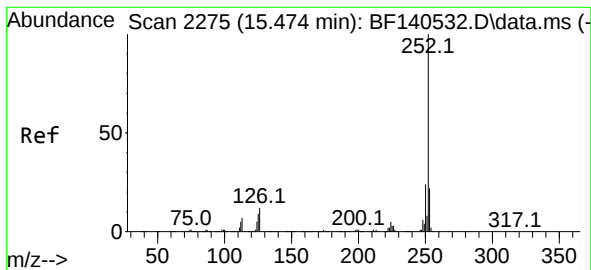


#89
Benzo(k)fluoranthene
Concen: 10.538 ng m
RT: 15.145 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF140776.D
Acq: 06 Dec 2024 19:26



Tgt Ion:252 Resp: 132669
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 10.2 6.5 9.7





#90

Benzo(a)pyrene

Concen: 23.656 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF140776.D

Acq: 06 Dec 2024 19:26

Instrument :

BNA_F

ClientSampleId :

MH-BDL

Tgt Ion:252 Resp: 276724

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

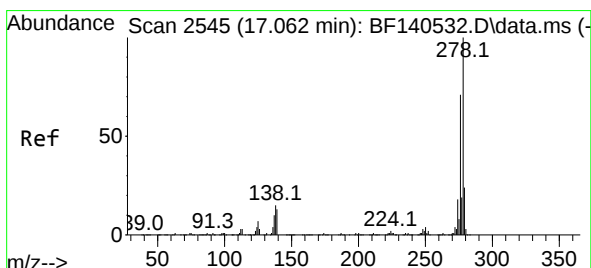
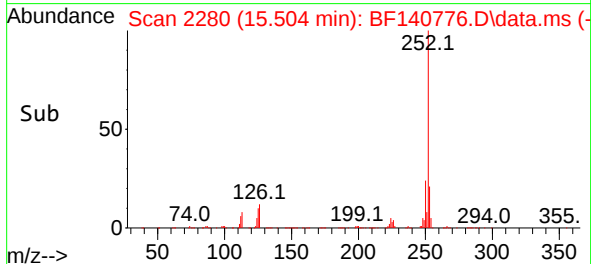
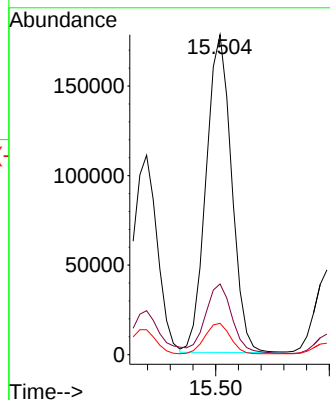
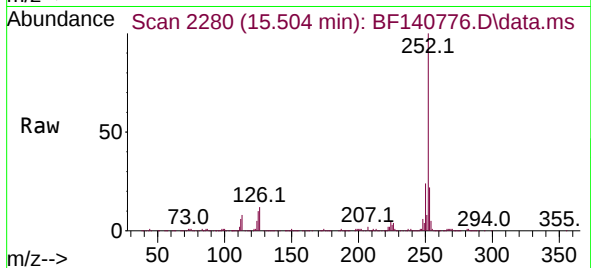
125 9.8 7.0 10.6

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.050 ng m

RT: 17.086 min Scan# 2549

Delta R.T. 0.024 min

Lab File: BF140776.D

Acq: 06 Dec 2024 19:26

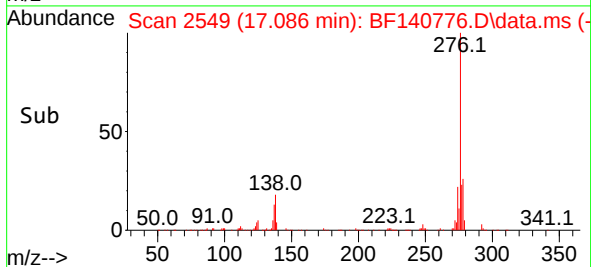
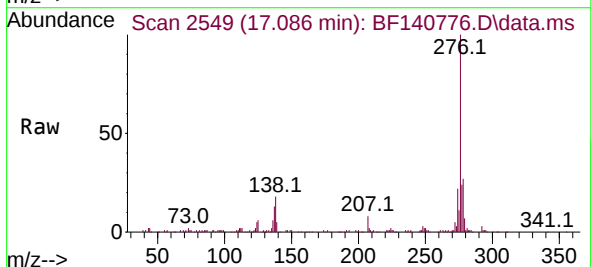
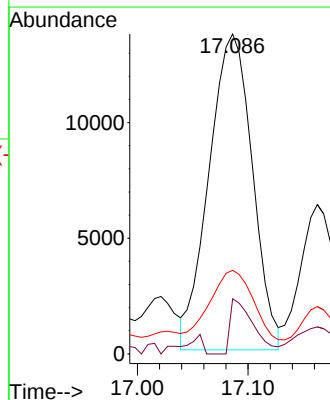
Tgt Ion:278 Resp: 37286

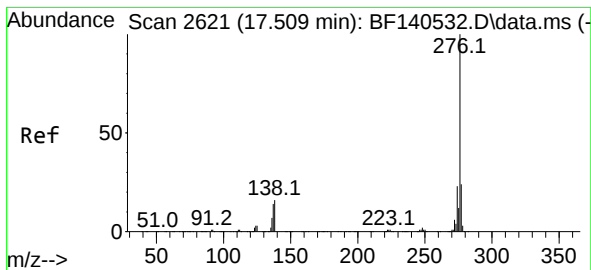
Ion Ratio Lower Upper

278 100

139 17.2 10.2 15.4#

279 26.1 18.9 28.3





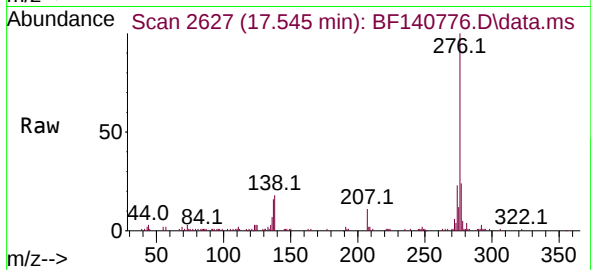
#92
 Benzo(g,h,i)perylene
 Concen: 5.735 ng
 RT: 17.545 min Scan# 20
 Delta R.T. 0.035 min
 Lab File: BF140776.D
 Acq: 06 Dec 2024 19:26

Instrument :

BNA_F

ClientSampleId :

MH-BDL



Tgt Ion:276 Resp: 7154
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.9 28.3
 138 17.8 13.2 19.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024

