

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
 Data File : BF140755.D
 Acq On : 05 Dec 2024 18:11
 Operator : RC/JU
 Sample : P5100-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 324

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2024
 Supervised By :mohammad ahmed 12/07/2024

Quant Time: Dec 06 00:06:48 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	61579	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	231982	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	113647	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	177433	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132691	20.000	ng	0.00
86) Perylene-d12	15.551	264	131241	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	364665	101.040	ng	0.00
7) Phenol-d6	6.510	99	469056	98.307	ng	0.00
23) Nitrobenzene-d5	7.434	82	306565	67.595	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	103498	85.151	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	596204	78.164	ng	-0.01
79) Terphenyl-d14	12.980	244	459623	53.937	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	37598	4.408	ng	98
72) Anthracene	11.474	178	16829	2.017	ng	96
75) Fluoranthene	12.616	202	64796	6.997	ng	99
78) Pyrene	12.845	202	56468	4.603	ng	98
81) Benzo(a)anthracene	14.039	228	34455	3.923	ng	96
83) Chrysene	14.074	228	32520	4.049	ng	97
88) Benzo(b)fluoranthene	15.115	252	35710m	4.332	ng	
89) Benzo(k)fluoranthene	15.127	252	16655m	2.309	ng	
90) Benzo(a)pyrene	15.492	252	23200	3.461	ng	# 93

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

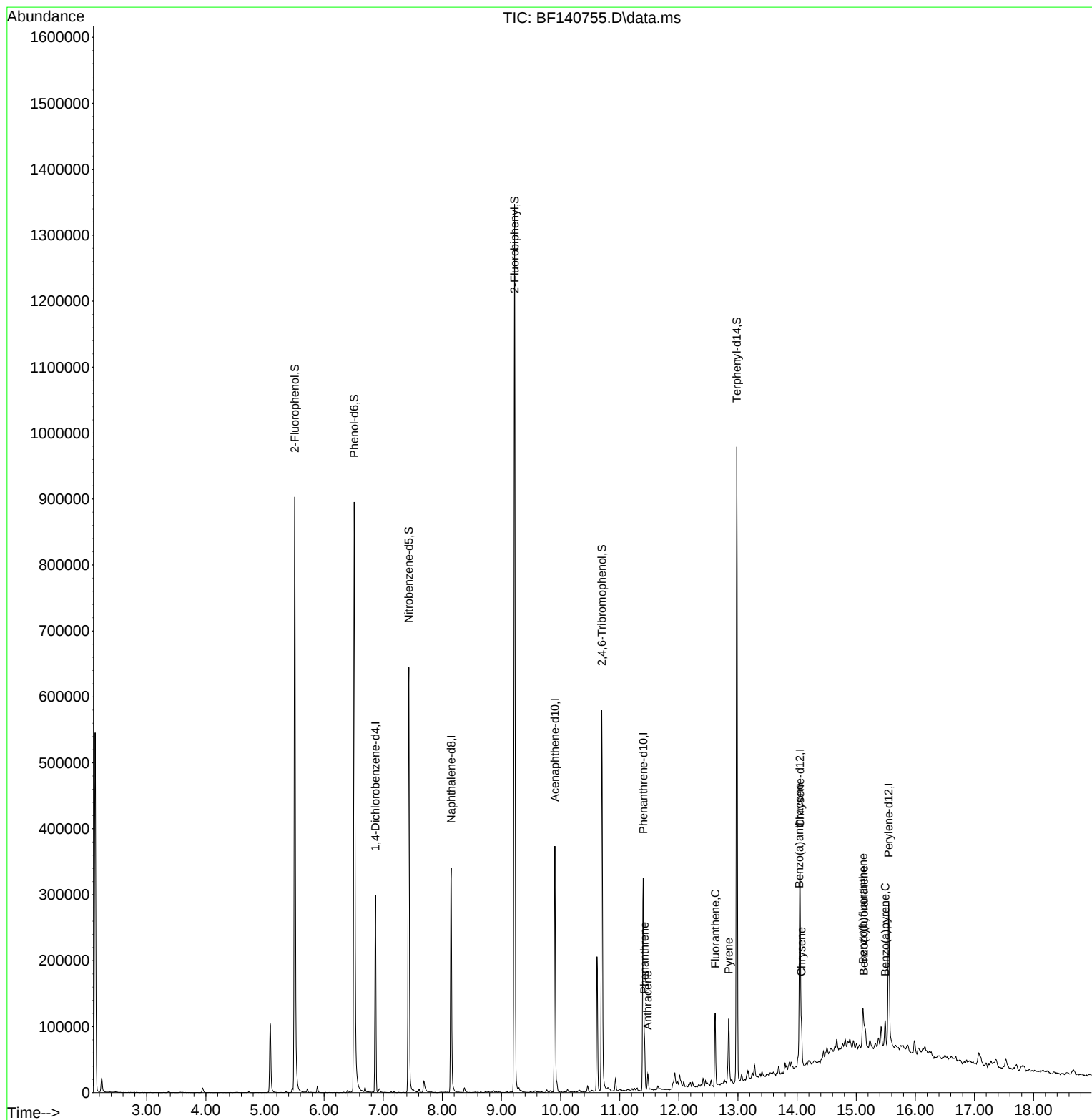
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
Data File : BF140755.D
Acq On : 05 Dec 2024 18:11
Operator : RC/JU
Sample : P5100-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





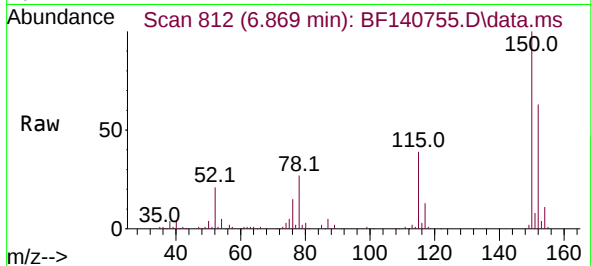
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324



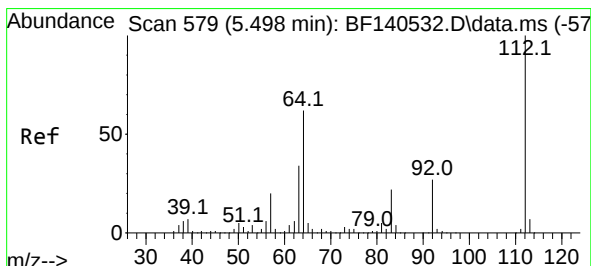
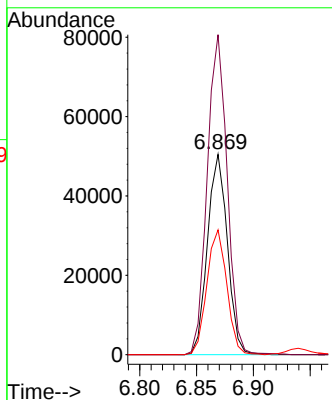
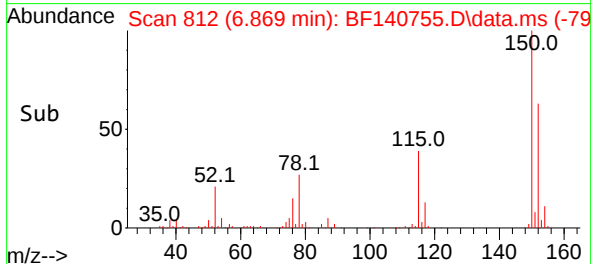
Tgt Ion:152 Resp: 61579
Ion Ratio Lower Upper
152 100
150 159.7 128.5 192.7
115 62.3 50.2 75.4

Manual Integrations

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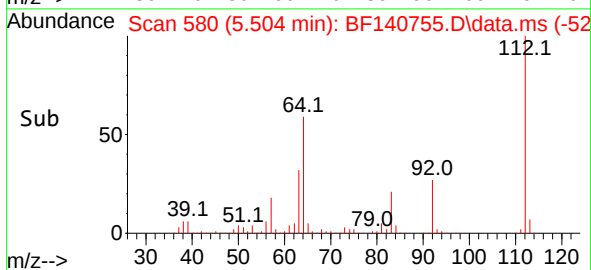
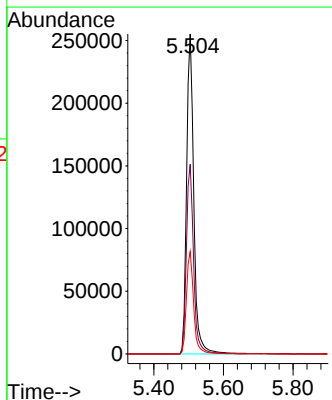
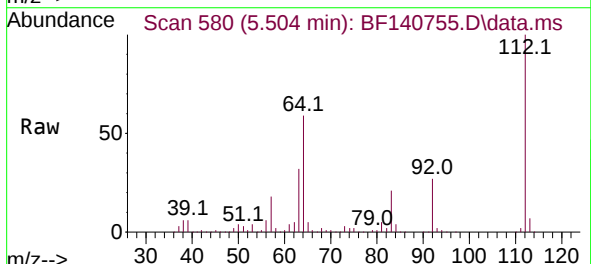
Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#5
2-Fluorophenol
Concen: 101.040 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

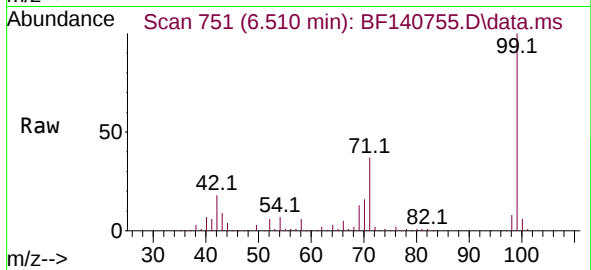
Tgt Ion:112 Resp: 364665
Ion Ratio Lower Upper
112 100
64 59.3 49.2 73.8
63 32.0 27.0 40.4





#7
Phenol-d6
Concen: 98.307 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

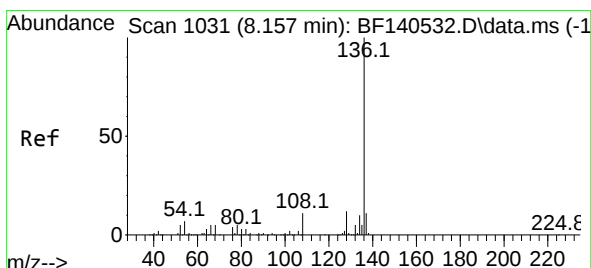
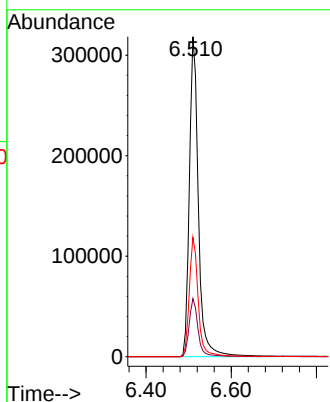
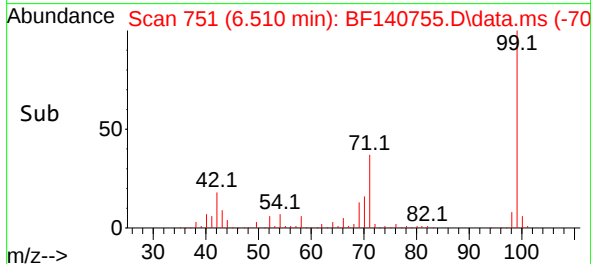
Instrument :
BNA_F
ClientSampleId :
324



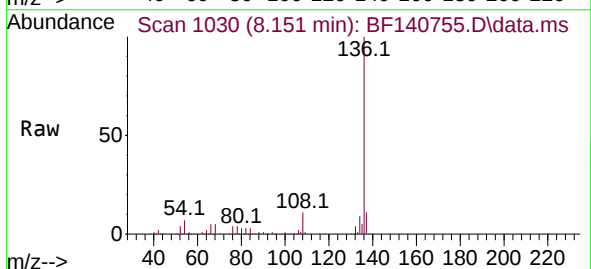
Tgt Ion: 99 Resp: 46905
Ion Ratio Lower Upper
99 100
42 18.2 15.4 23.0
71 37.3 30.6 46.0

Manual Integrations
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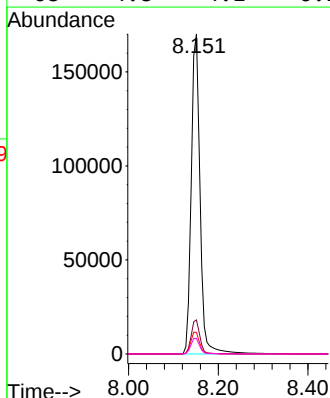
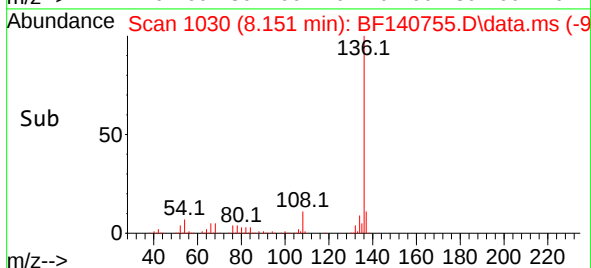
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

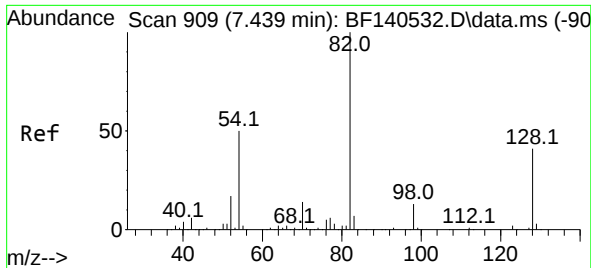


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11



Tgt Ion:136 Resp: 231982
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.7 5.8 8.8
68 4.8 4.1 6.1





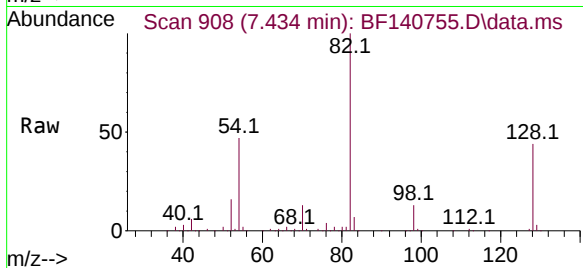
#23
Nitrobenzene-d5
Concen: 67.595 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324

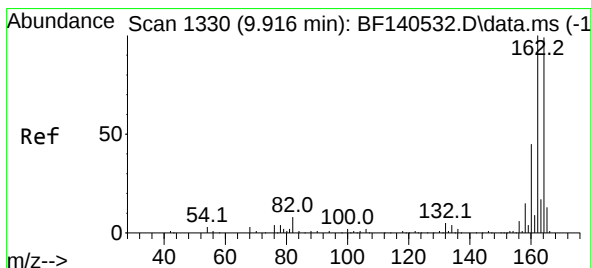
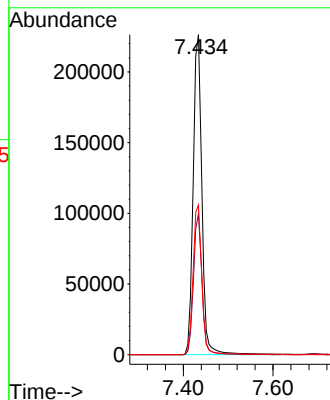
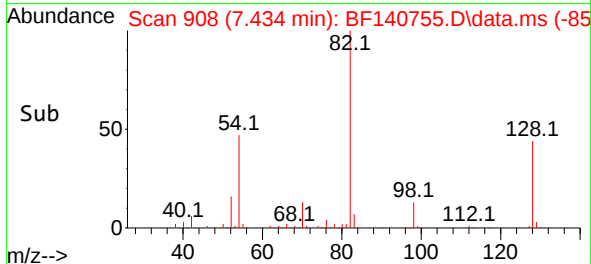


Tgt Ion: 82 Resp: 30656
Ion Ratio Lower Upper
82 100
128 44.0 33.0 49.4
54 46.8 39.5 59.3

Manual Integrations

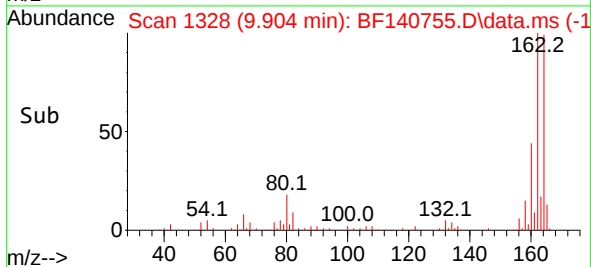
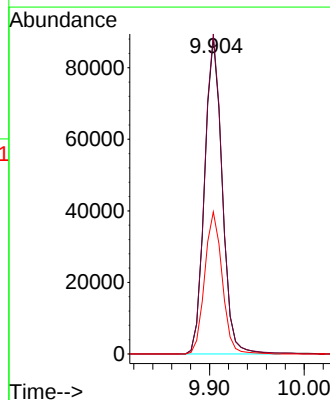
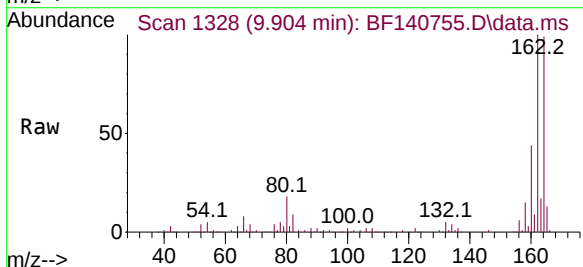
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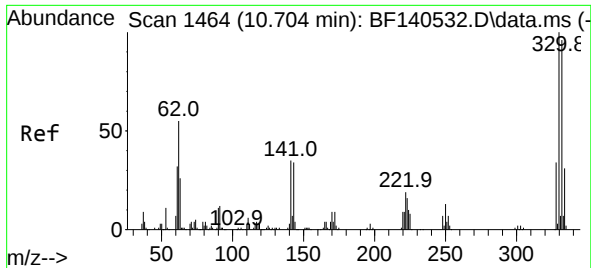
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:164 Resp: 113647
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.0 36.2 54.4





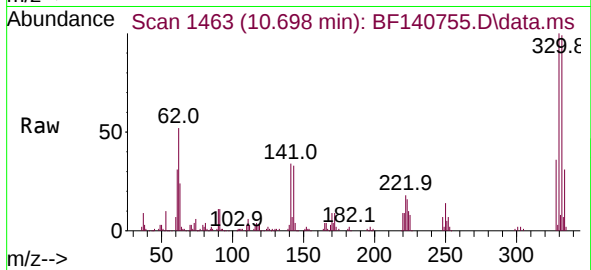
#42
2,4,6-Tribromophenol
Concen: 85.151 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324



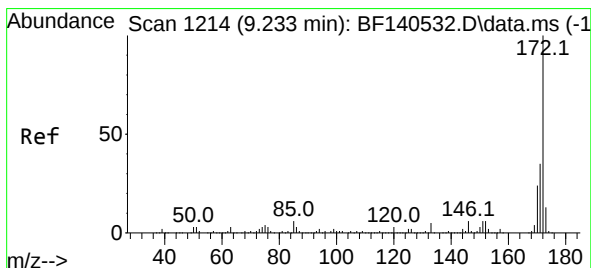
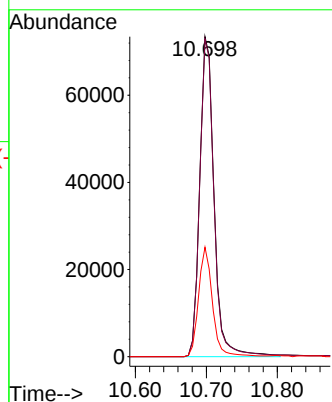
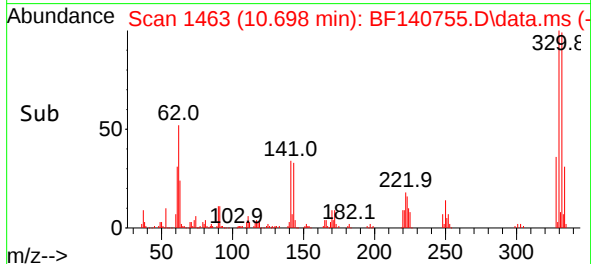
Tgt Ion:330 Resp: 103498
Ion Ratio Lower Upper
330 100
332 99.4 76.9 115.3
141 33.3 26.7 40.1

Manual Integrations

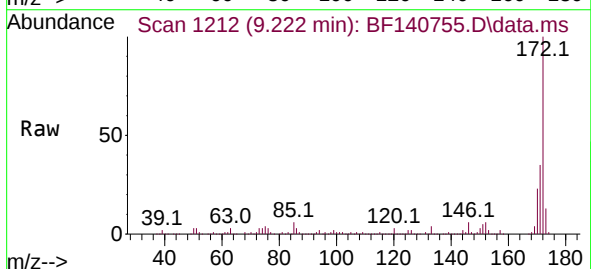
APPROVED

Reviewed By :Yogesh Patel 12/07/2024

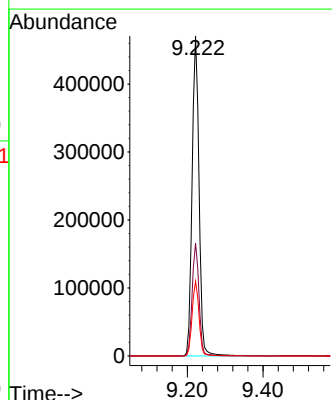
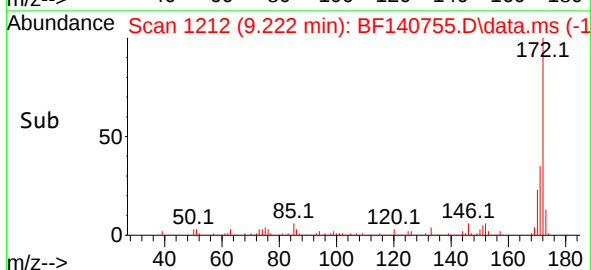
Supervised By :mohammad ahmed 12/07/2024

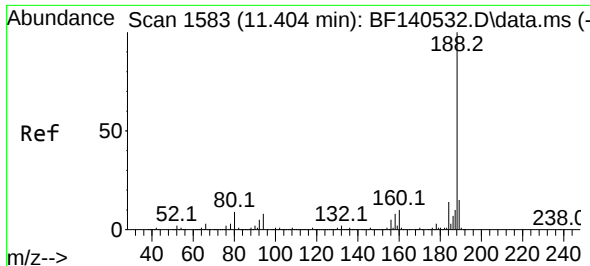


#45
2-Fluorobiphenyl
Concen: 78.164 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11



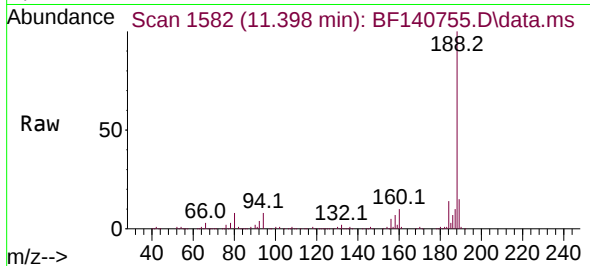
Tgt Ion:172 Resp: 596204
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

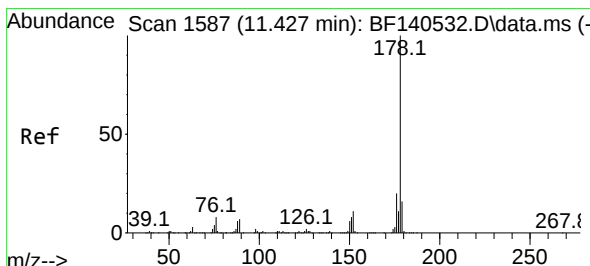
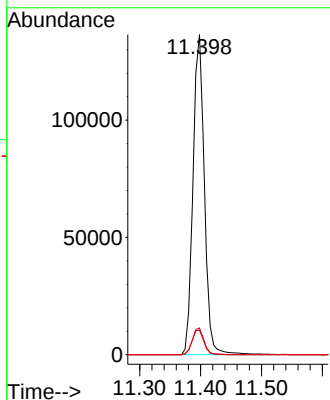
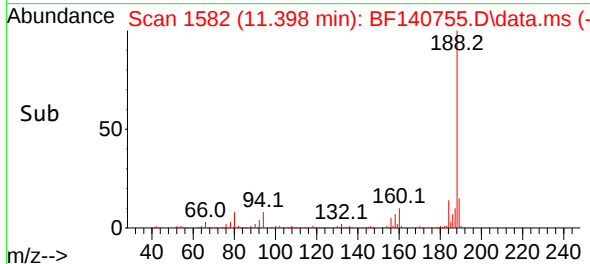
Instrument :
BNA_F
ClientSampleId :
324



Tgt Ion:188 Resp: 17743
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.3 6.9 10.3

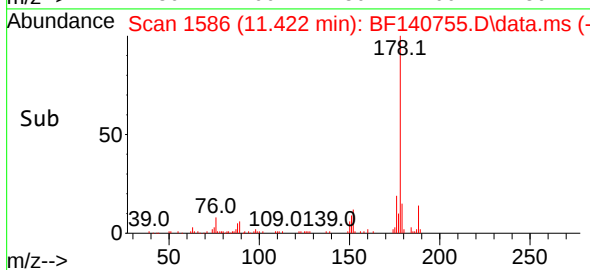
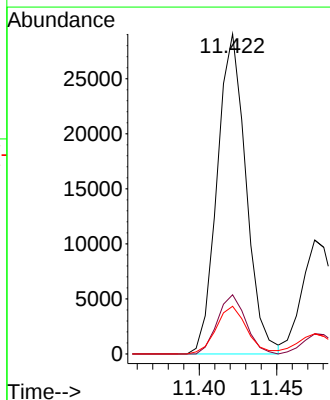
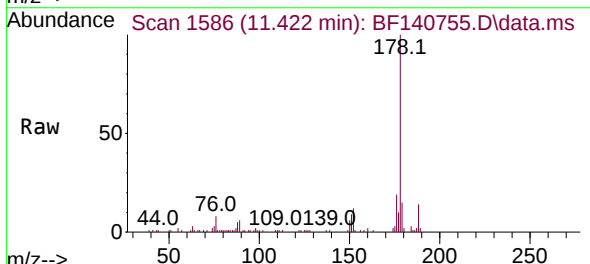
Manual Integrations
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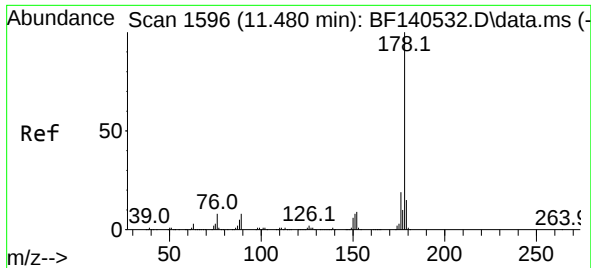
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#71
Phenanthrene
Concen: 4.408 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

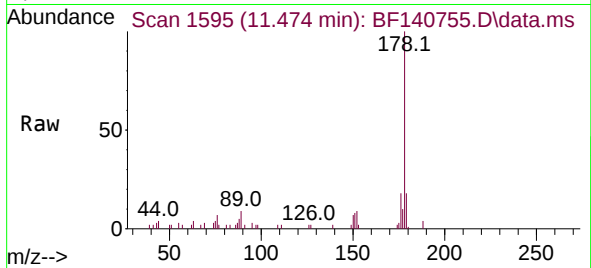
Tgt Ion:178 Resp: 37598
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 2.017 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140755.D
 Acq: 05 Dec 2024 18:11

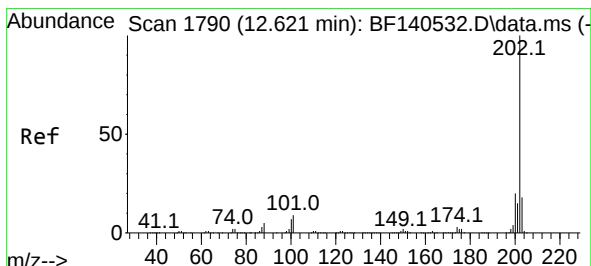
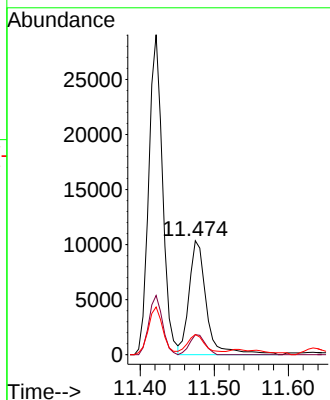
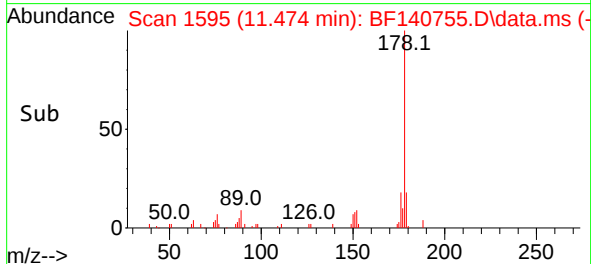
Instrument :
 BNA_F
 ClientSampleId :
 324



Tgt Ion:178 Resp: 16829
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.0 22.4
 179 17.7 12.2 18.4

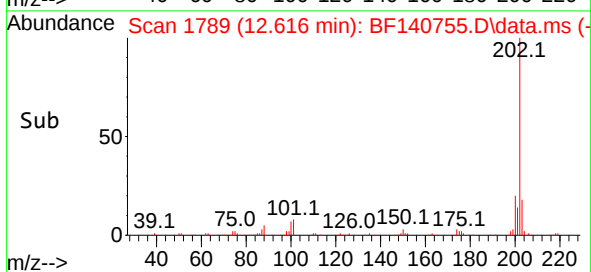
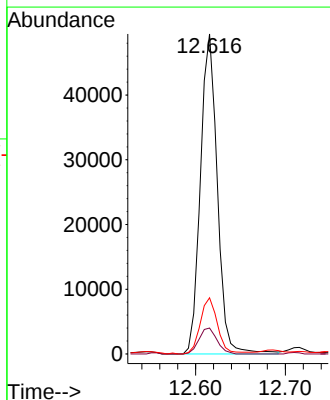
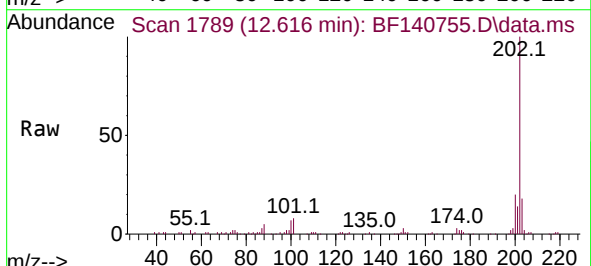
Manual Integrations
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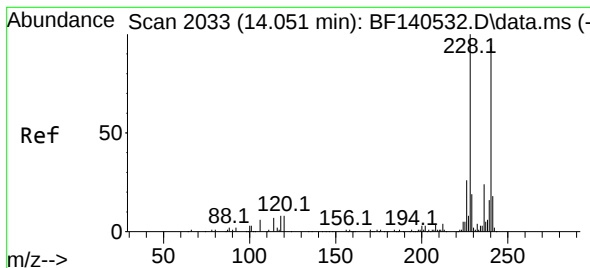
Reviewed By :Yogesh Patel 12/07/2024
 Supervised By :mohammad ahmed 12/07/2024



#75
 Fluoranthene
 Concen: 6.997 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF140755.D
 Acq: 05 Dec 2024 18:11

Tgt Ion:202 Resp: 64796
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 28.9
 203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

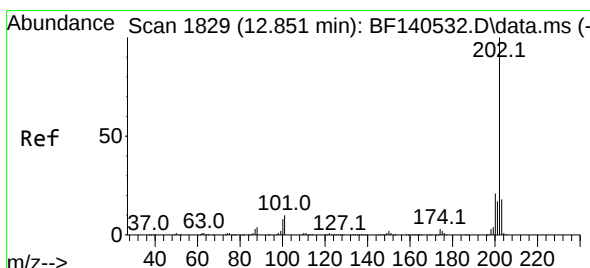
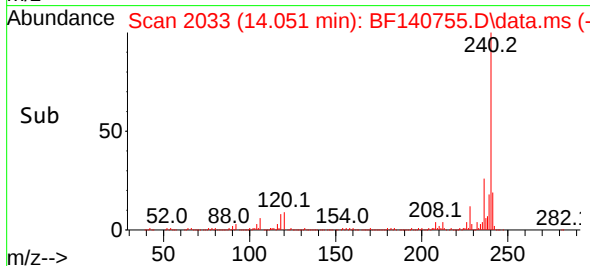
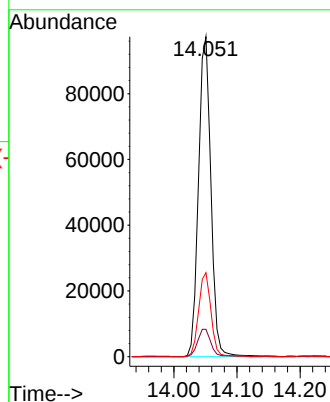
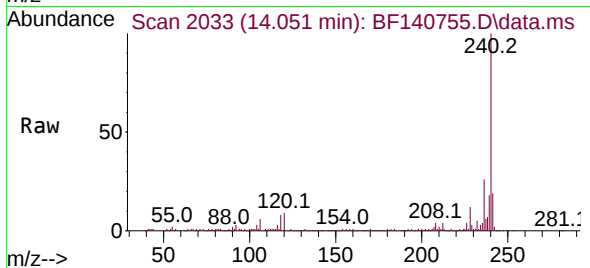
324

Tgt Ion:240 Resp: 13269
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.3 10.9
 236 26.2 20.6 31.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2024
 Supervised By :mohammad ahmed 12/07/2024



#78

Pyrene

Concen: 4.603 ng

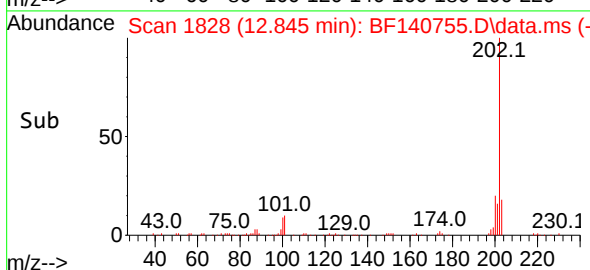
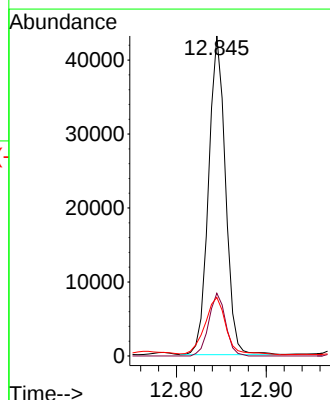
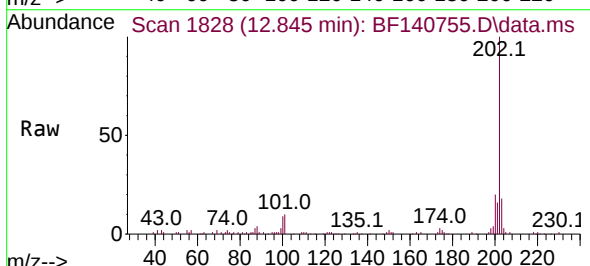
RT: 12.845 min Scan# 1828

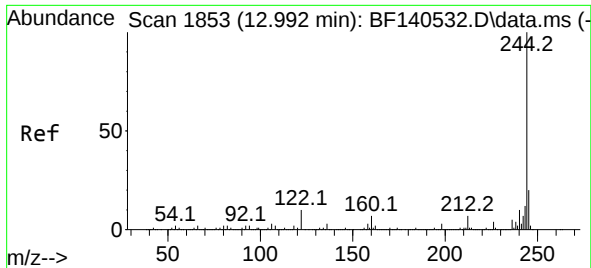
Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Tgt Ion:202 Resp: 56468
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.5 24.7
 203 18.3 14.2 21.4





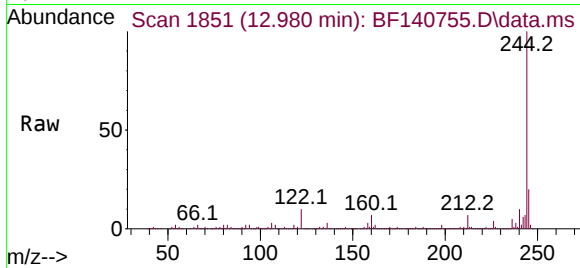
#79
 Terphenyl-d14
 Concen: 53.937 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140755.D
 Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324



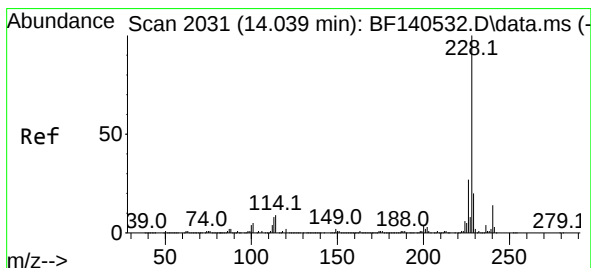
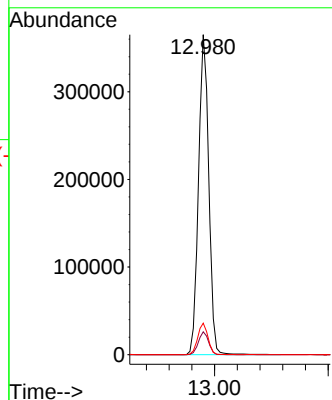
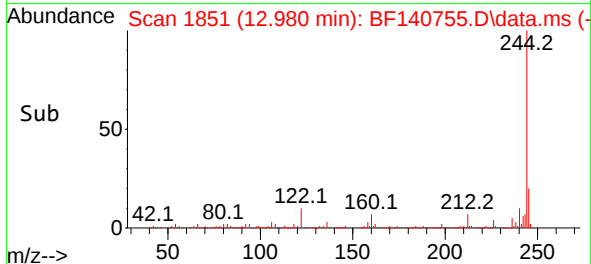
Tgt Ion:244 Resp: 459623
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 9.9 8.0 12.0

Manual Integrations

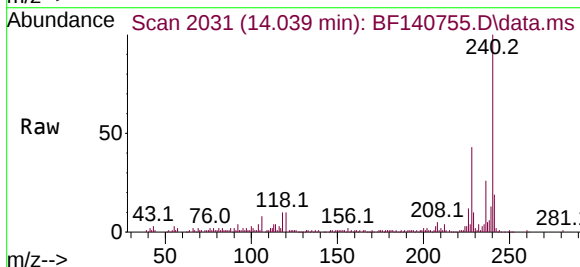
APPROVED

Reviewed By :Yogesh Patel 12/07/2024

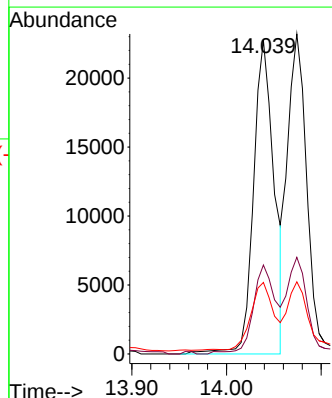
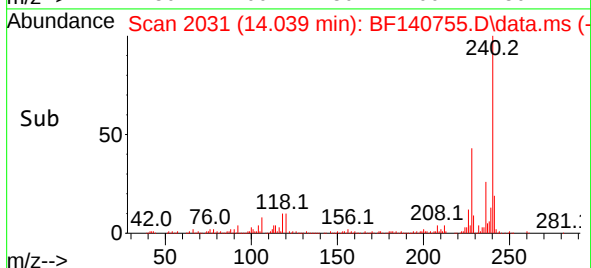
Supervised By :mohammad ahmed 12/07/2024

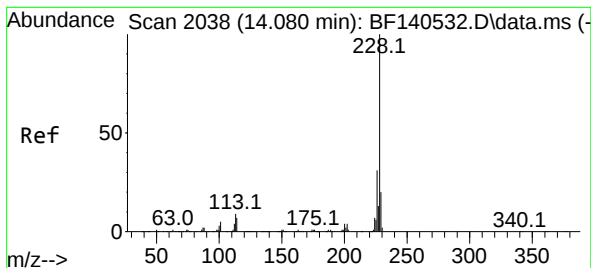


#81
 Benzo(a)anthracene
 Concen: 3.923 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF140755.D
 Acq: 05 Dec 2024 18:11



Tgt Ion:228 Resp: 34455
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 22.8 15.8 23.6





#83

Chrysene

Concen: 4.049 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324

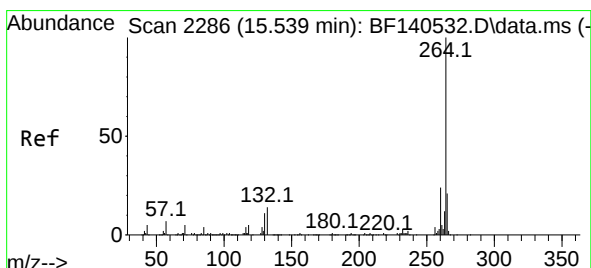
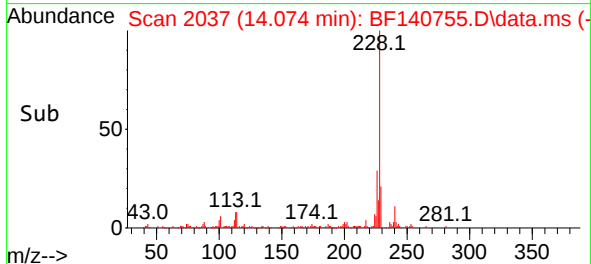
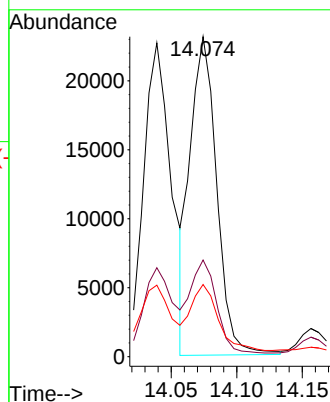
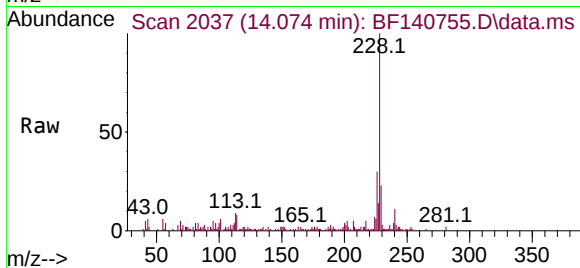
Tgt Ion:228	Resp: 32520
Ion Ratio	Lower Upper
228 100	
226 30.2	24.4 36.6
229 22.5	15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2024

Supervised By :mohammad ahmed 12/07/2024



#86

Perylene-d12

Concen: 20.000 ng

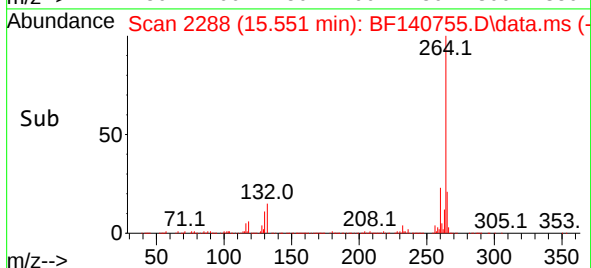
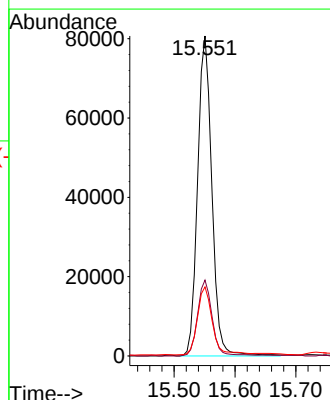
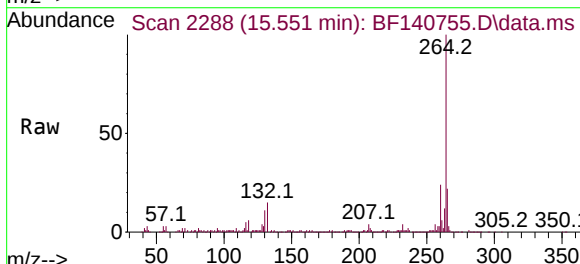
RT: 15.551 min Scan# 2288

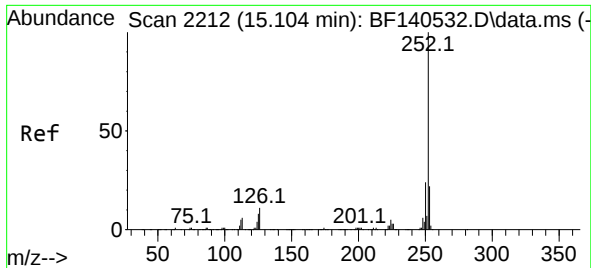
Delta R.T. 0.012 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

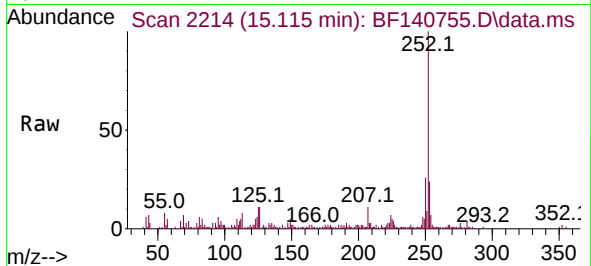
Tgt Ion:264	Resp: 131241
Ion Ratio	Lower Upper
264 100	
260 23.7	19.0 28.6
265 21.6	16.6 25.0





#88
Benzo(b)fluoranthene
Concen: 4.332 ng m
RT: 15.115 min Scan# 2214
Delta R.T. 0.012 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

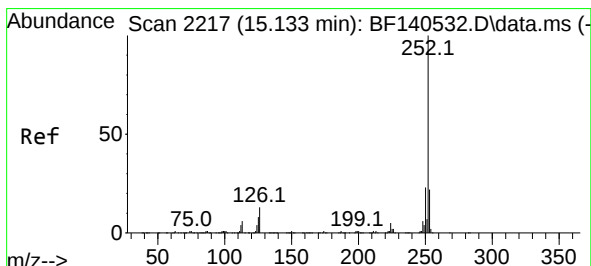
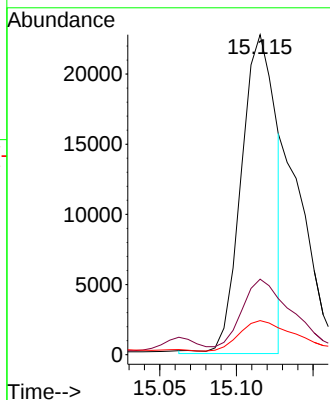
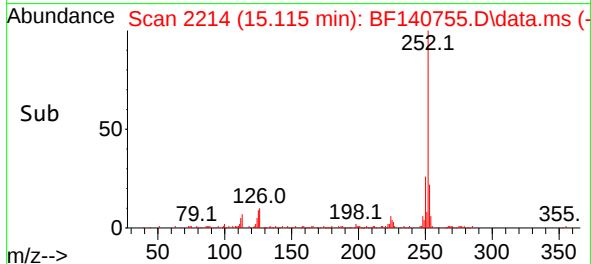
Instrument :
BNA_F
ClientSampleId :
324



Tgt Ion:252 Resp: 35710
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 10.7 6.7 10.1

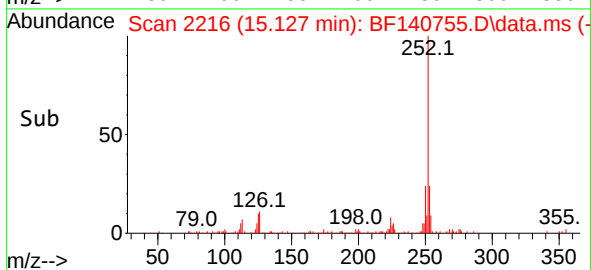
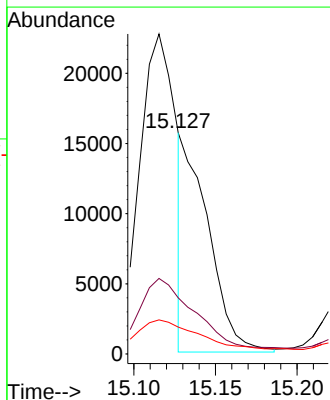
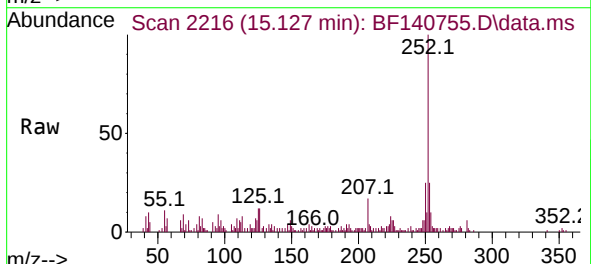
Manual Integrations
APPROVED

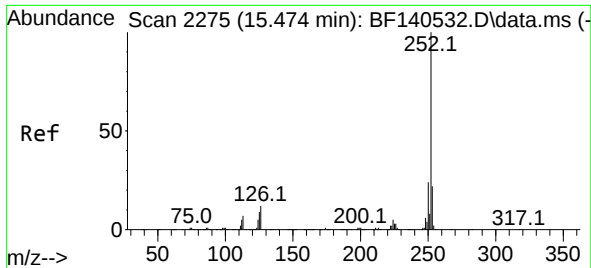
Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024



#89
Benzo(k)fluoranthene
Concen: 2.309 ng m
RT: 15.127 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

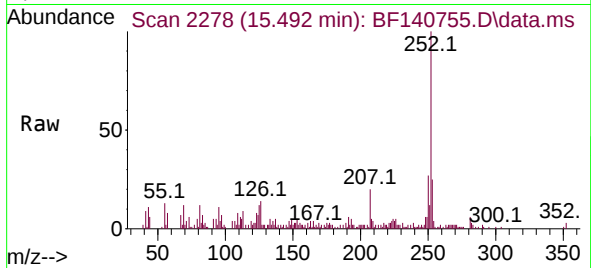
Tgt Ion:252 Resp: 16655
Ion Ratio Lower Upper
252 100
253 25.4 17.5 26.3
125 12.1 6.5 9.7





#90
Benzo(a)pyrene
Concen: 3.461 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Instrument :
BNA_F
ClientSampleId :
324



Tgt Ion:252 Resp: 23200
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 11.8 7.0 10.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/07/2024
Supervised By :mohammad ahmed 12/07/2024

