

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139578.D
 Acq On : 30 Sep 2024 15:00
 Operator : RC/JU
 Sample : P4213-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-092624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024
 Supervised By :mohammad ahmed 10/01/2024

Quant Time: Sep 30 15:22:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	63487	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	238403	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	123083	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	192756	20.000	ng	#-0.02
76) Chrysene-d12	14.016	240	135528	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	112158	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	156239	40.147	ng	-0.02
7) Phenol-d6	6.487	99	209207	40.956	ng	-0.02
23) Nitrobenzene-d5	7.422	82	134448	26.512	ng	-0.02
42) 2,4,6-Tribromophenol	10.681	330	26885	20.517	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	241286	27.494	ng	-0.02
79) Terphenyl-d14	12.963	244	184191	22.308	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	116400	12.517	ng	99
72) Anthracene	11.457	178	31970	3.516	ng	98
75) Fluoranthene	12.592	202	282490	28.444	ng	98
78) Pyrene	12.822	202	252217	21.674	ng	99
81) Benzo(a)anthracene	14.004	228	132707	14.782	ng	98
83) Chrysene	14.039	228	110503	13.379	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	40963	6.142	ng	99
88) Benzo(b)fluoranthene	15.051	252	128148m	18.526	ng	
89) Benzo(k)fluoranthene	15.068	252	44723m	7.012	ng	
90) Benzo(a)pyrene	15.415	252	85383	14.884	ng	# 95
92) Benzo(g,h,i)perylene	17.374	276	41573	7.619	ng	# 92

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

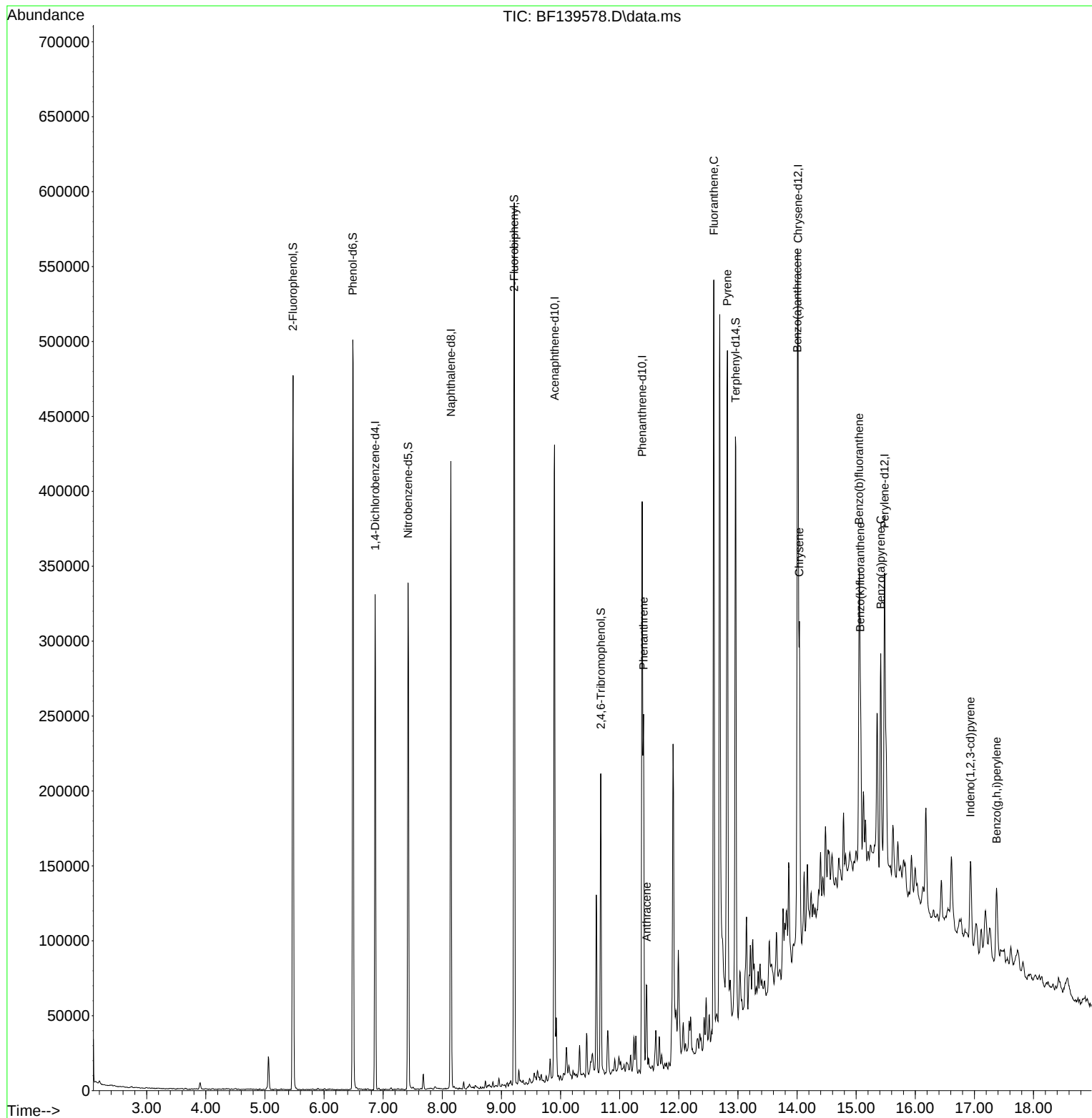
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
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Acq On : 30 Sep 2024 15:00
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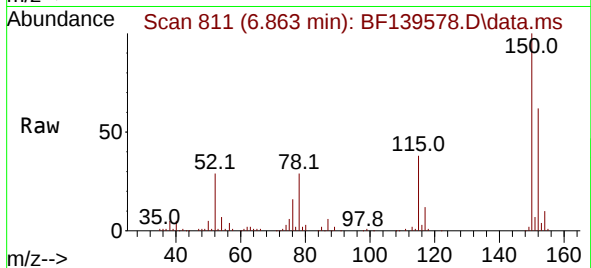
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624



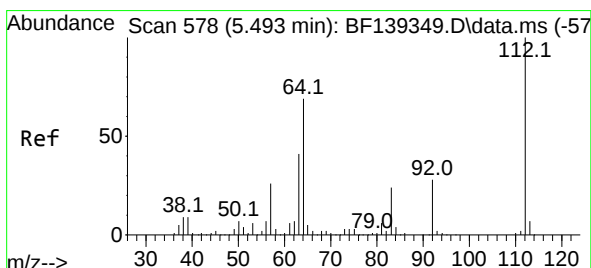
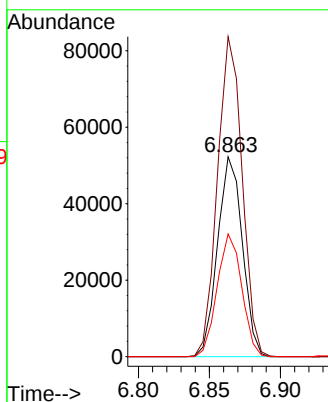
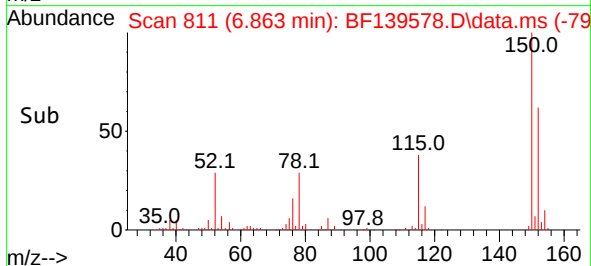
Tgt Ion:152 Resp: 6348
Ion Ratio Lower Upper
152 100
150 160.2 124.1 186.1
115 61.4 48.1 72.1

Manual Integrations

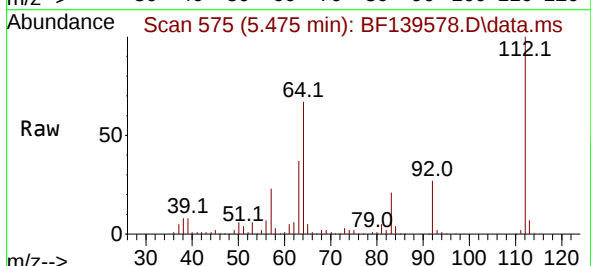
APPROVED

Reviewed By :Yogesh Patel 10/01/2024

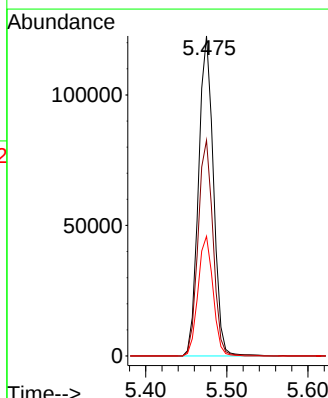
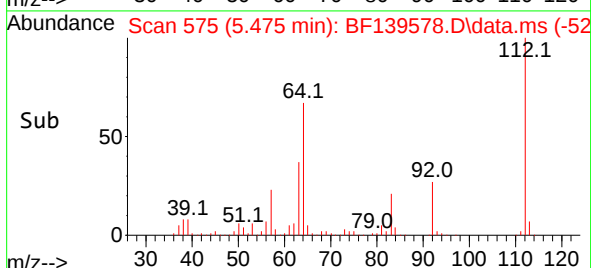
Supervised By :mohammad ahmed 10/01/2024

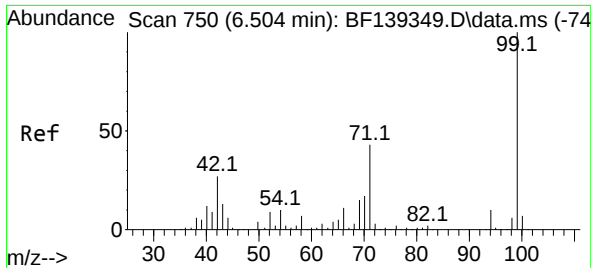


#5
2-Fluorophenol
Concen: 40.147 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00



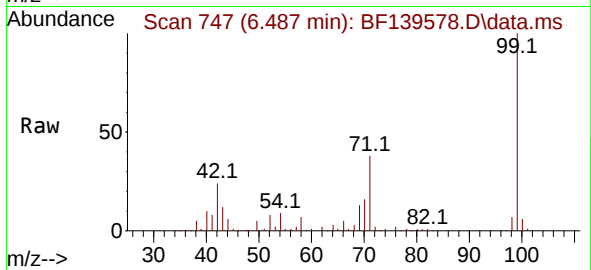
Tgt Ion:112 Resp: 156239
Ion Ratio Lower Upper
112 100
64 67.4 54.8 82.2
63 37.4 33.0 49.4





#7
Phenol-d6
Concen: 40.956 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

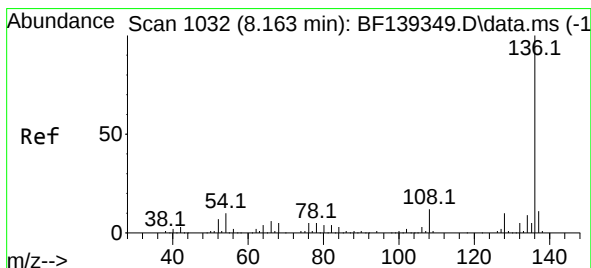
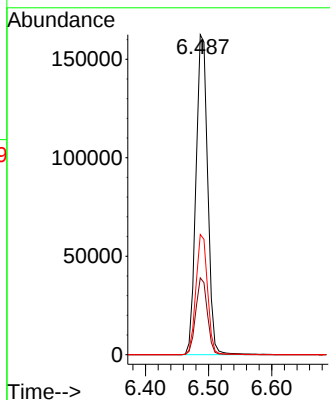
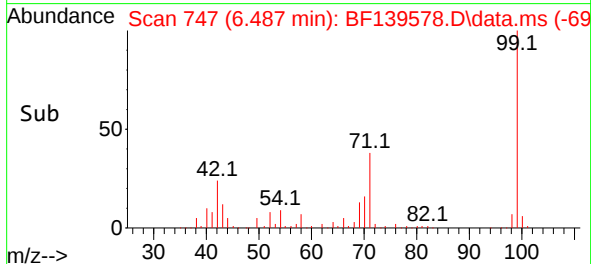
Instrument :
BNA_F
ClientSampleId :
HD-02-092624



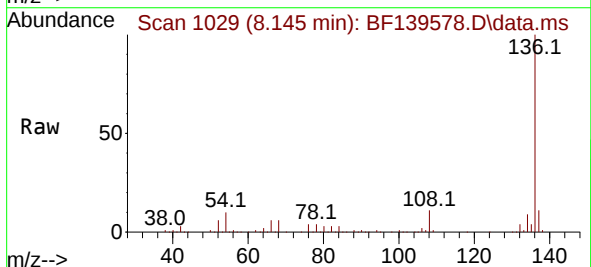
Tgt Ion: 99 Resp: 20920
Ion Ratio Lower Upper
99 100
42 24.0 21.9 32.9
71 37.6 34.6 52.0

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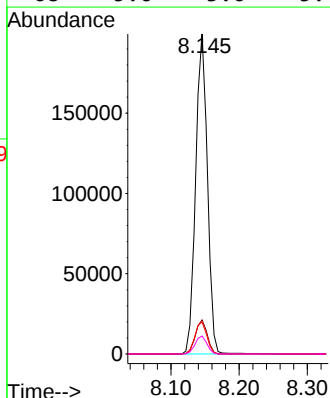
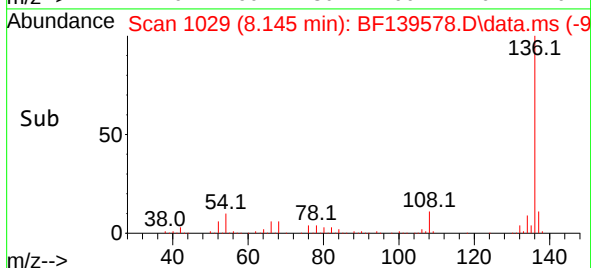
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00



Tgt Ion:136 Resp: 238403
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.0 7.8 11.8
68 5.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 26.512 ng

RT: 7.422 min Scan# 90

Delta R.T. -0.024 min

Lab File: BF139578.D

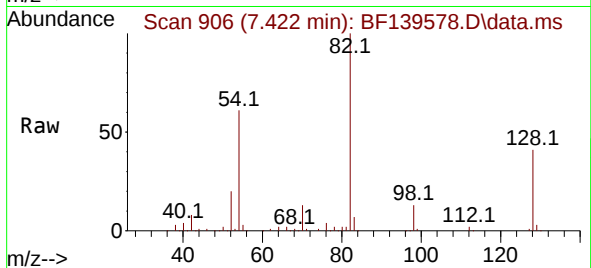
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624



Tgt Ion: 82 Resp: 134448

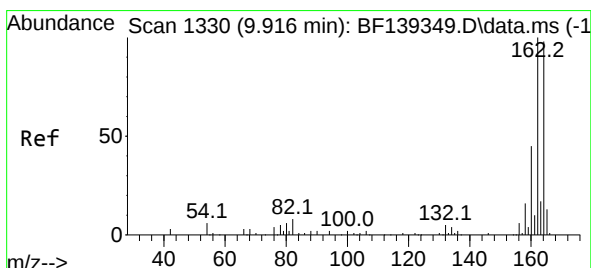
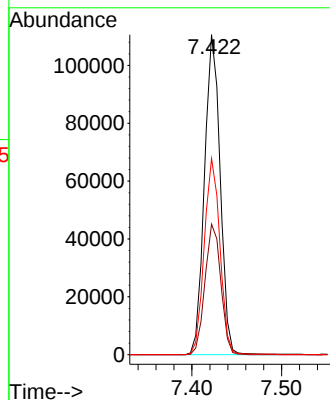
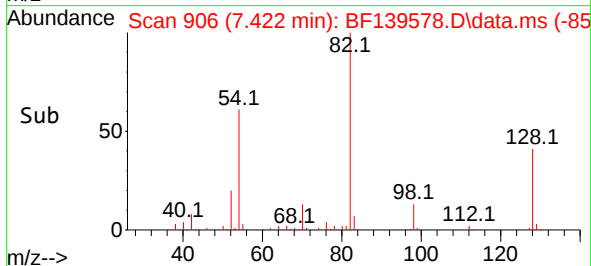
Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.8	47.6
54	61.3	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

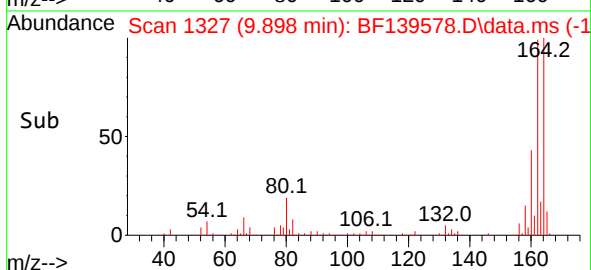
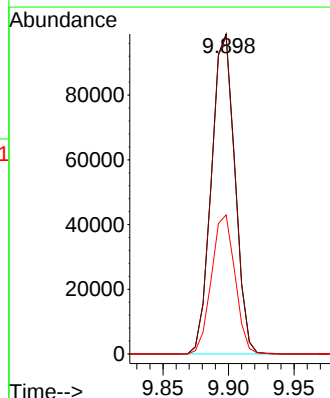
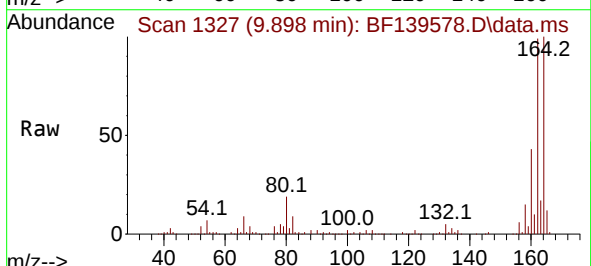
Delta R.T. -0.018 min

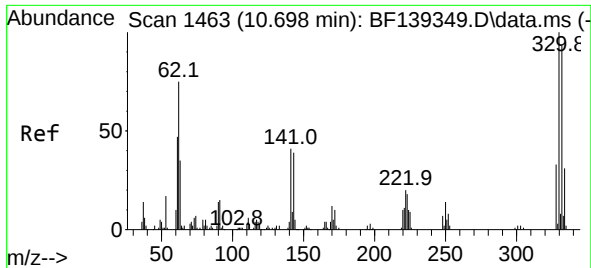
Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Tgt Ion:164 Resp: 123083

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.3	121.9
160	43.4	36.4	54.6





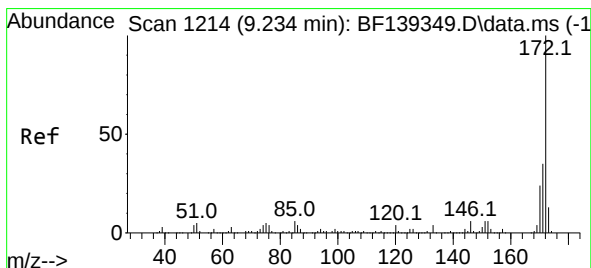
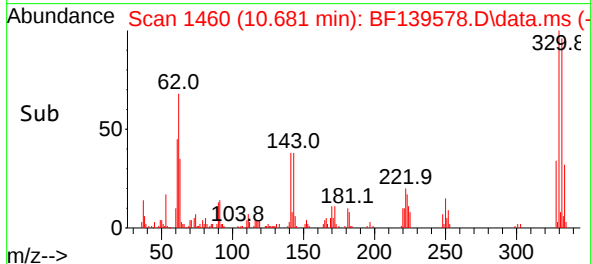
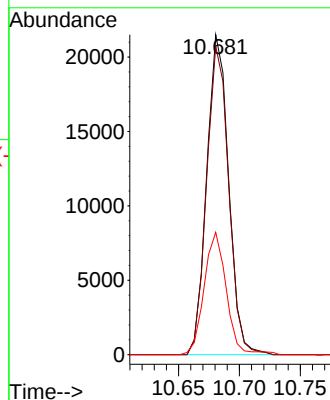
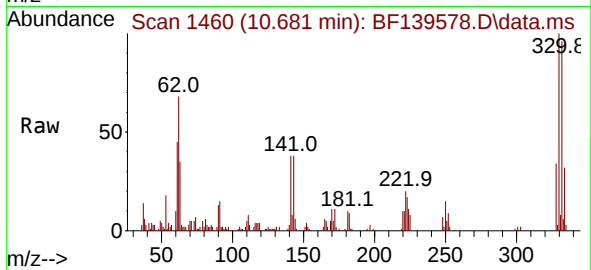
#42
2,4,6-Tribromophenol
Concen: 20.517 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Instrument :
BNA_F
ClientSampleId :
HD-02-092624

Tgt Ion:330 Resp: 2688
Ion Ratio Lower Upper
330 100
332 96.9 75.2 112.8
141 38.7 31.2 46.8

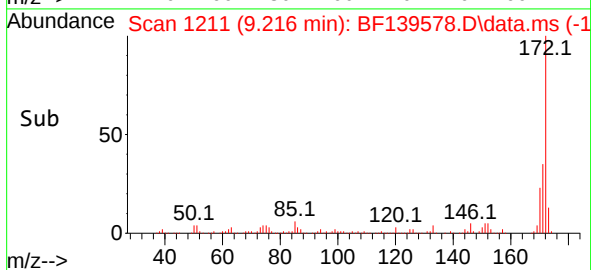
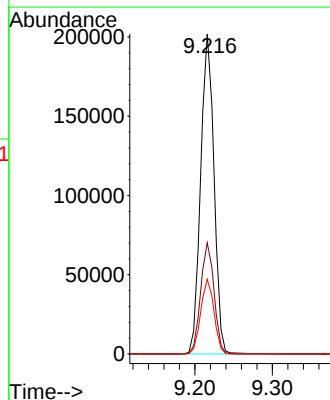
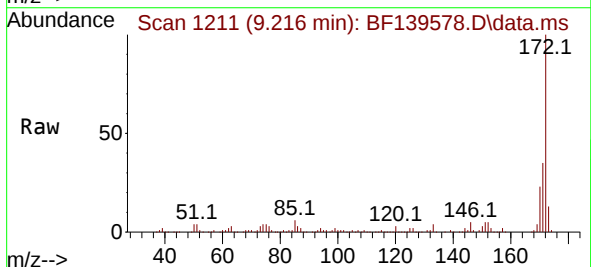
Manual Integrations
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Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#45
2-Fluorobiphenyl
Concen: 27.494 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Tgt Ion:172 Resp: 241286
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.018 min

Lab File: BF139578.D

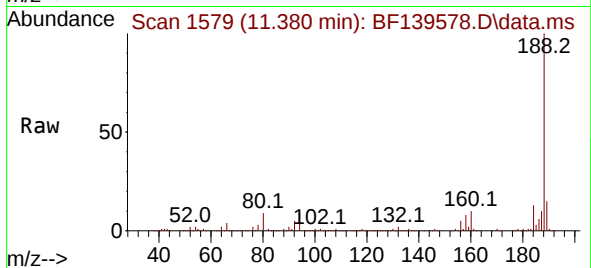
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624



Tgt Ion:188 Resp: 192750

Ion Ratio Lower Upper

188 100

94 8.8 5.5 8.3

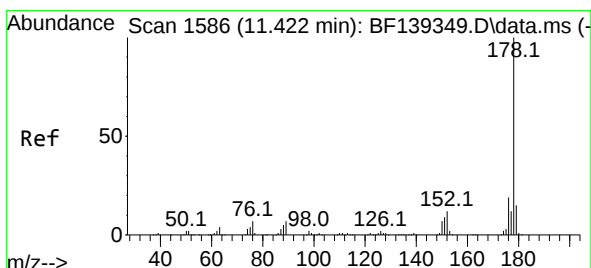
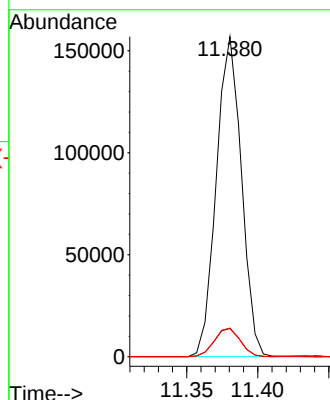
80 9.0 6.6 9.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024



#71

Phenanthrene

Concen: 12.517 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.018 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

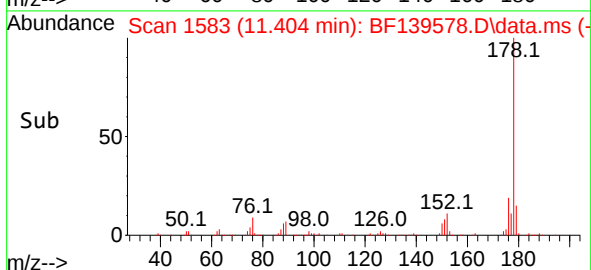
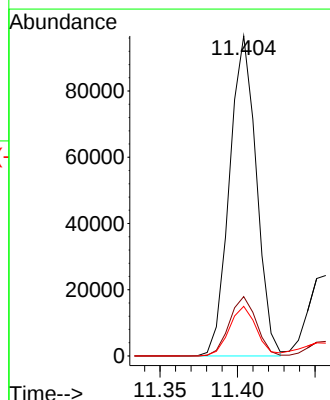
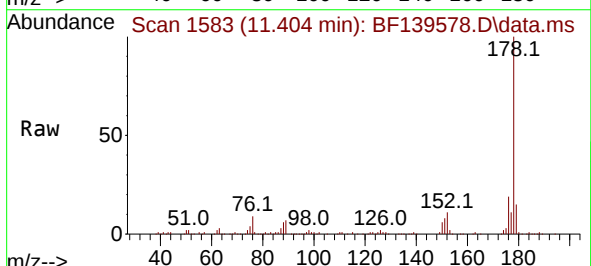
Tgt Ion:178 Resp: 116400

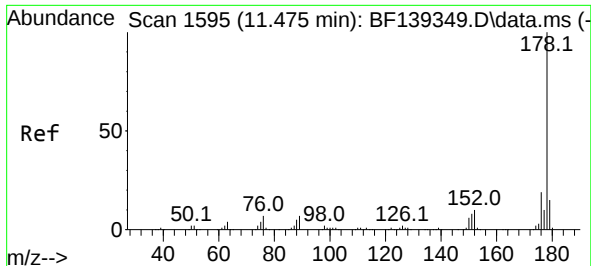
Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 15.5 12.2 18.4





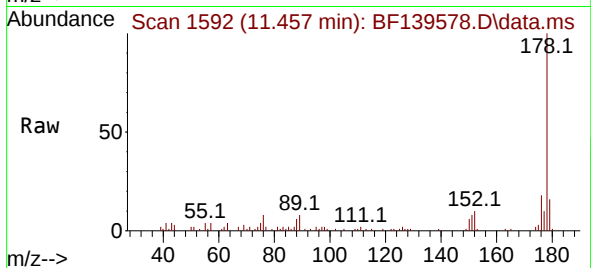
#72
 Anthracene
 Concen: 3.516 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF139578.D
 Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624



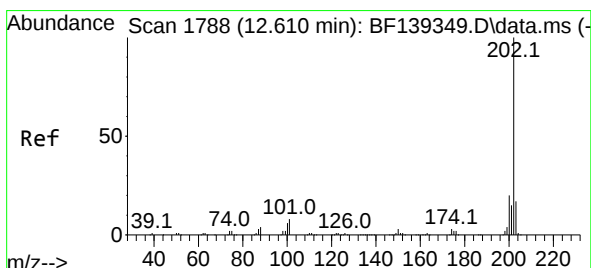
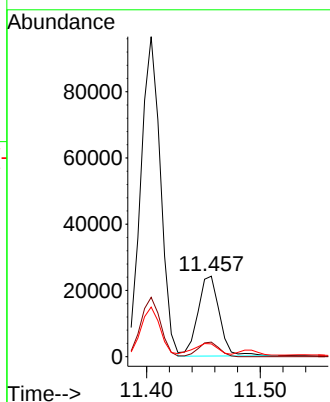
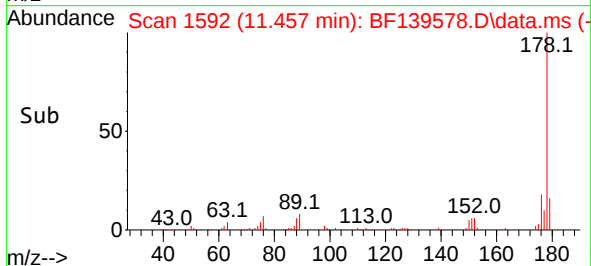
Tgt Ion:178 Resp: 31970
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.6
 179 16.0 12.0 18.0

Manual Integrations

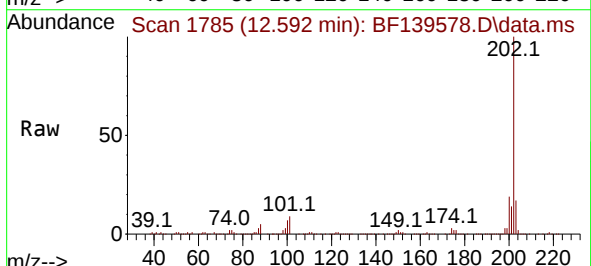
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Reviewed By :Yogesh Patel 10/01/2024

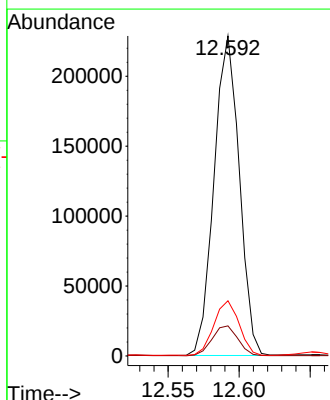
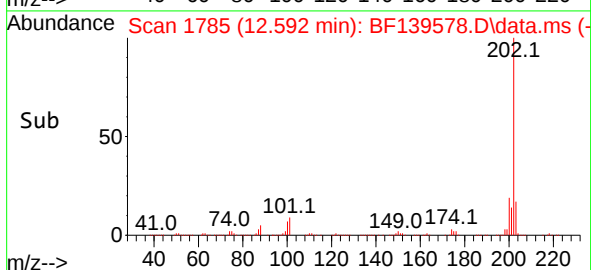
Supervised By :mohammad ahmed 10/01/2024

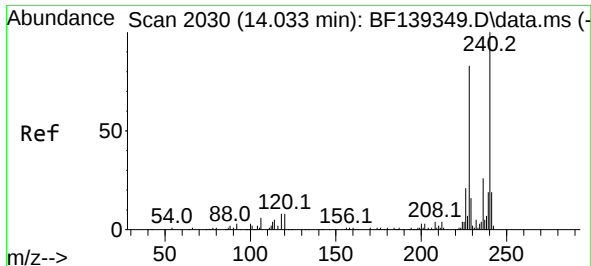


#75
 Fluoranthene
 Concen: 28.444 ng
 RT: 12.592 min Scan# 1785
 Delta R.T. -0.018 min
 Lab File: BF139578.D
 Acq: 30 Sep 2024 15:00



Tgt Ion:202 Resp: 282490
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 27.7
 203 17.3 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624

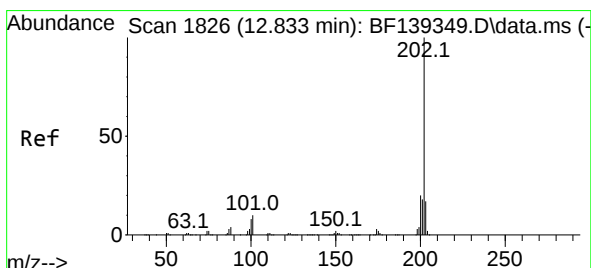
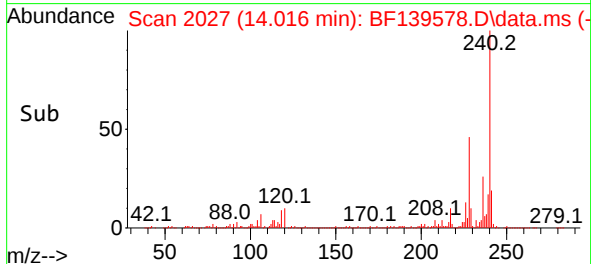
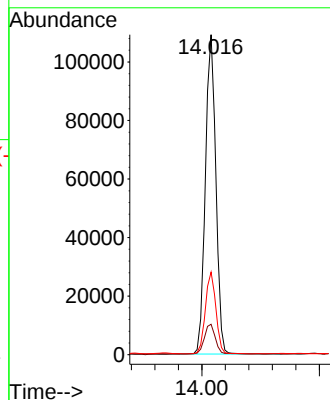
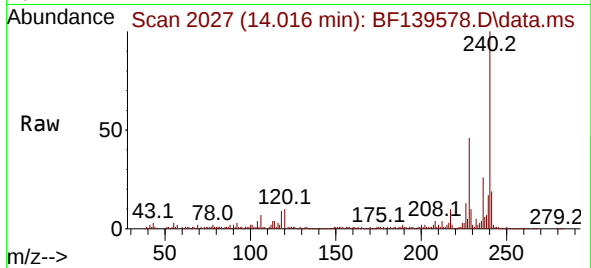
Tgt Ion:240 Resp: 135528
Ion Ratio Lower Upper
240 100
120 9.5 6.2 9.2
236 25.8 20.9 31.3

Manual Integrations

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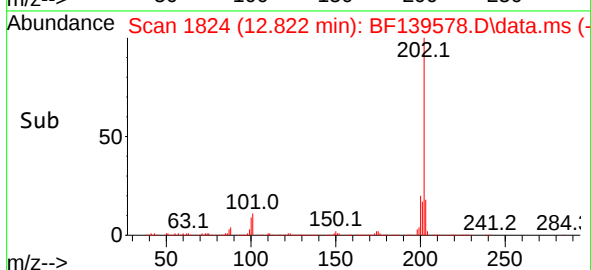
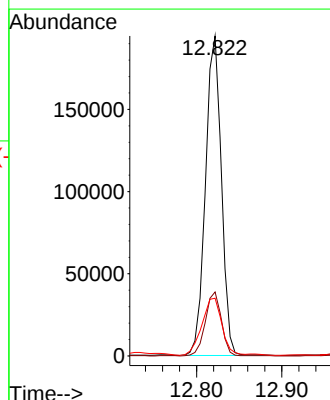
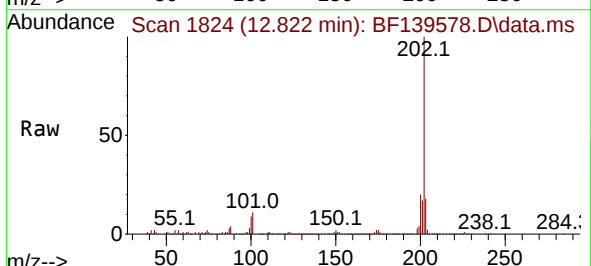
Reviewed By :Yogesh Patel 10/01/2024

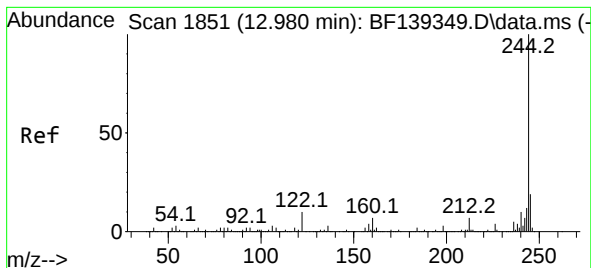
Supervised By :mohammad ahmed 10/01/2024



#78
Pyrene
Concen: 21.674 ng
RT: 12.822 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Tgt Ion:202 Resp: 252217
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 18.1 13.9 20.9





#79

Terphenyl-d14

Concen: 22.308 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.018 min

Lab File: BF139578.D

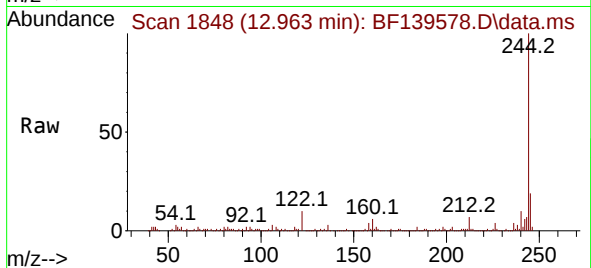
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624



Tgt Ion:244 Resp: 18419

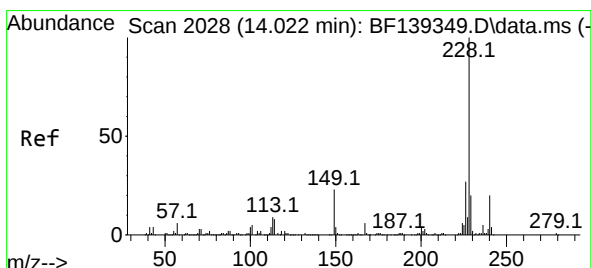
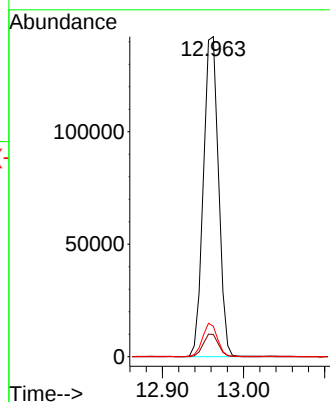
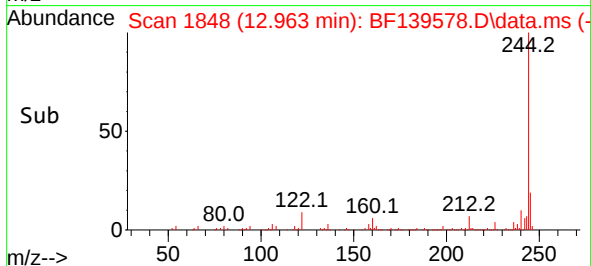
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.5	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024



#81

Benzo(a)anthracene

Concen: 14.782 ng

RT: 14.004 min Scan# 2025

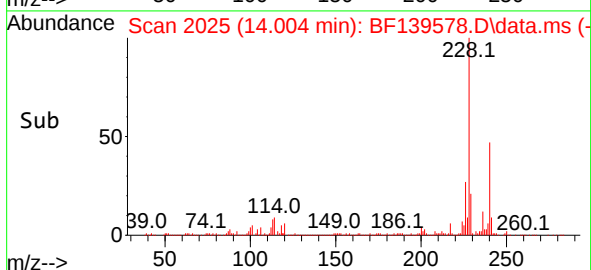
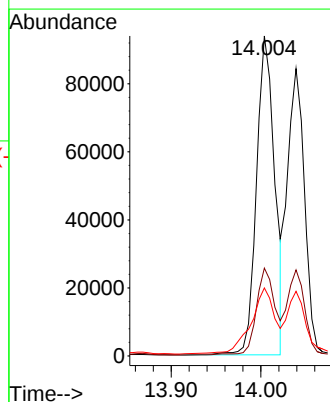
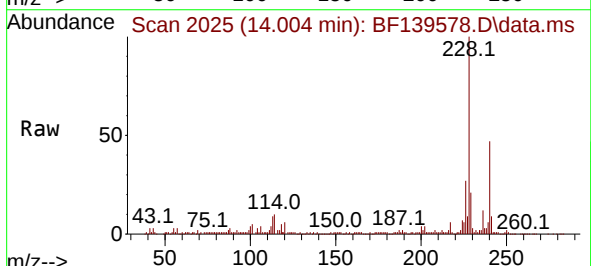
Delta R.T. -0.018 min

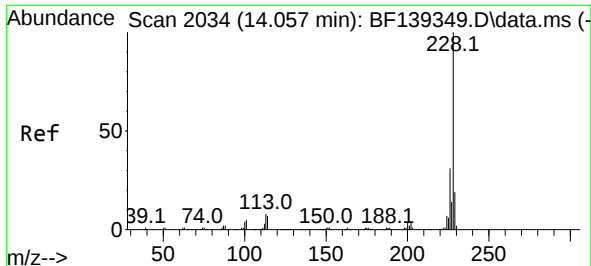
Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Tgt Ion:228 Resp: 132707

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.6	32.4
229	21.3	15.7	23.5





#83
Chrysene
Concen: 13.379 ng
RT: 14.039 min Scan# 2034
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

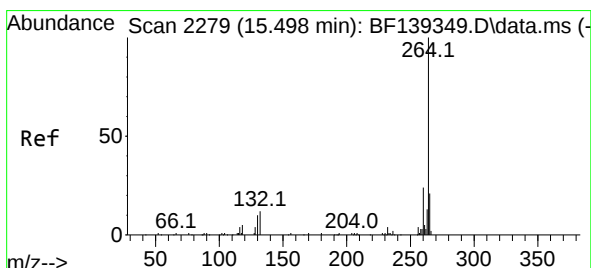
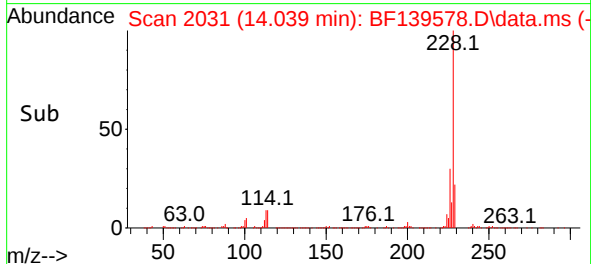
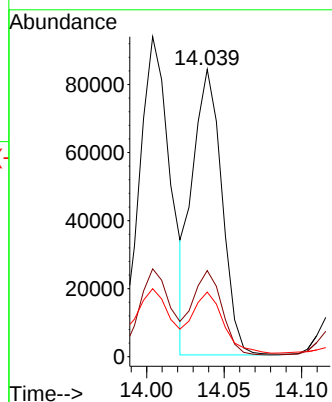
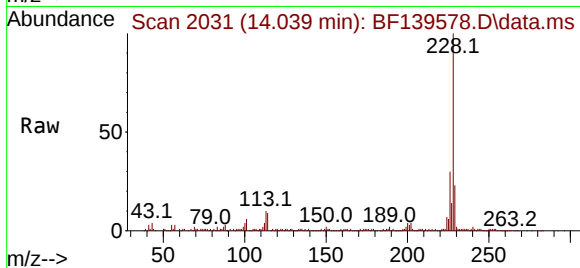
HD-02-092624

Tgt Ion:228 Resp: 110500
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 22.5 15.4 23.0

Manual Integrations

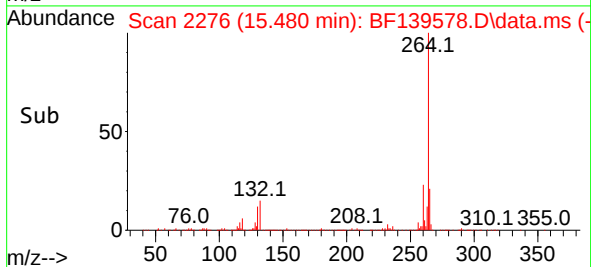
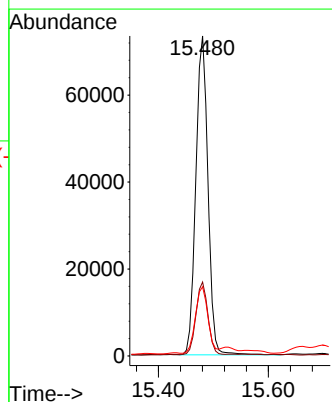
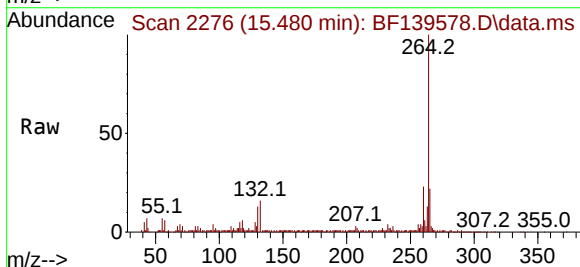
APPROVED

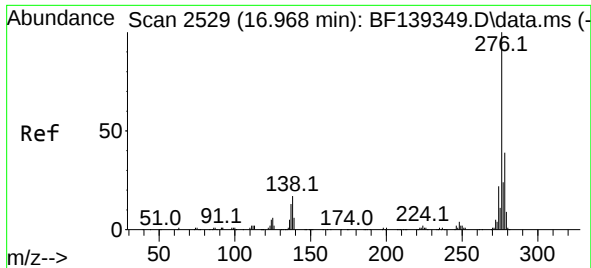
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Tgt Ion:264 Resp: 112158
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.6 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.142 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

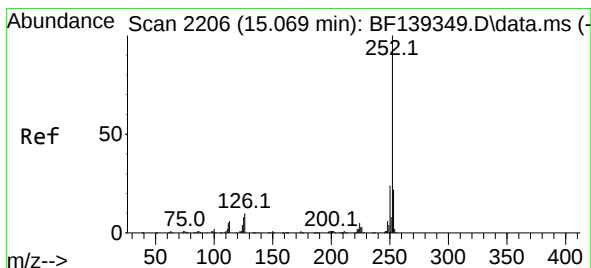
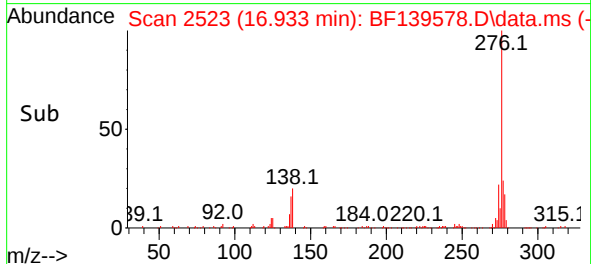
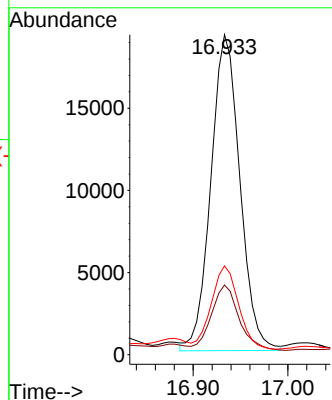
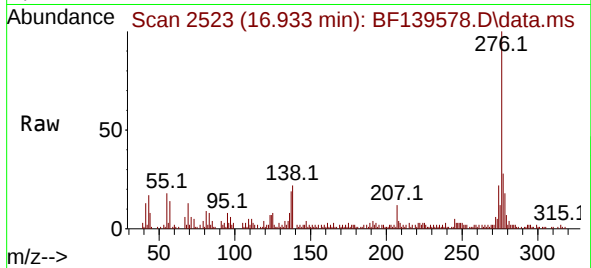
HD-02-092624

Tgt Ion:276 Resp: 4096
Ion Ratio Lower Upper
276 100
138 19.8 15.4 23.2
277 24.7 20.4 30.6

Manual Integrations

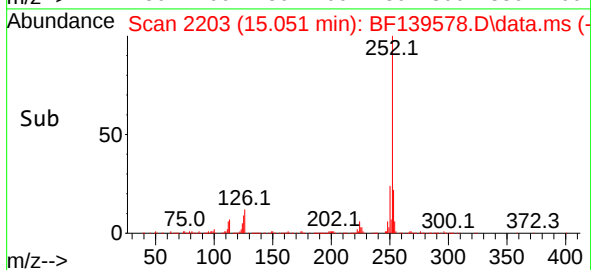
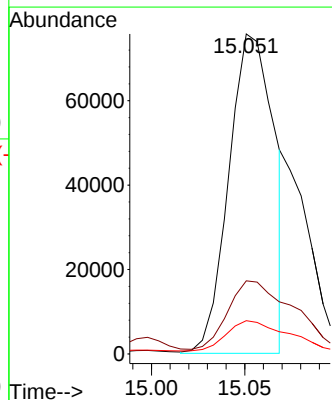
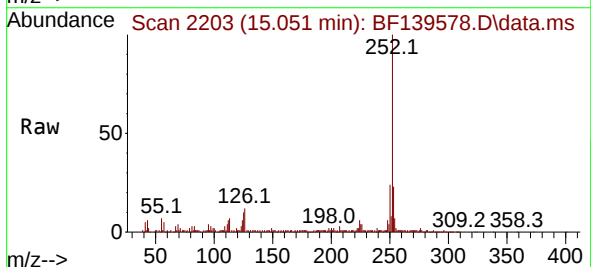
APPROVED

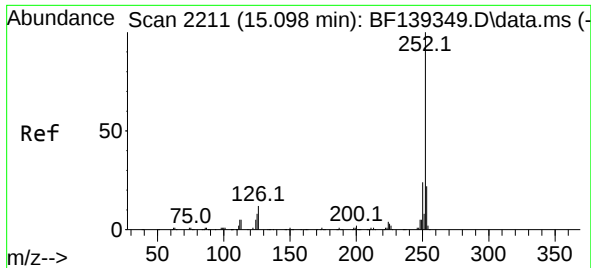
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#88
Benzo(b)fluoranthene
Concen: 18.526 ng m
RT: 15.051 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BF139578.D
Acq: 30 Sep 2024 15:00

Tgt Ion:252 Resp: 128148
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.4 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 7.012 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624

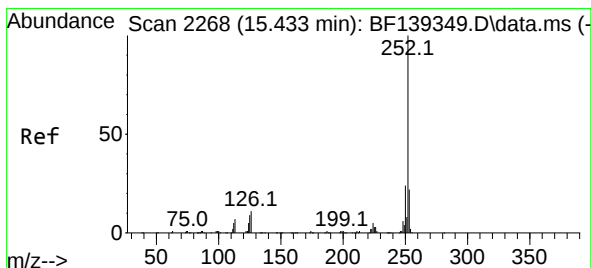
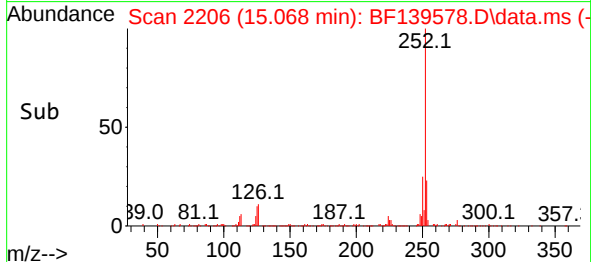
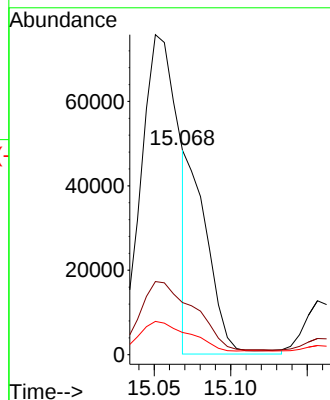
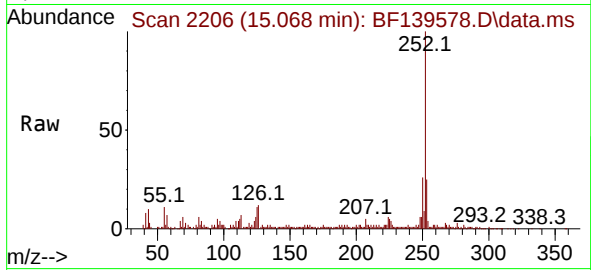
Tgt Ion:252 Resp: 4472
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.3 25.9
 125 10.9 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024



#90

Benzo(a)pyrene

Concen: 14.884 ng

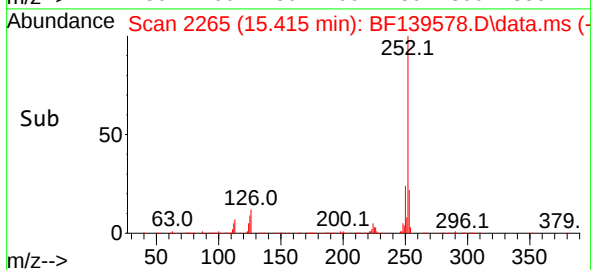
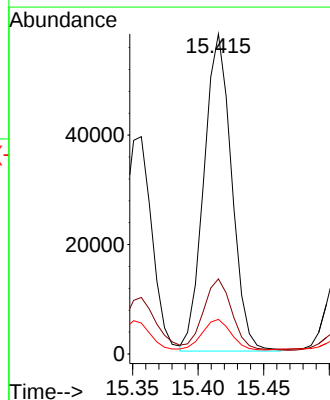
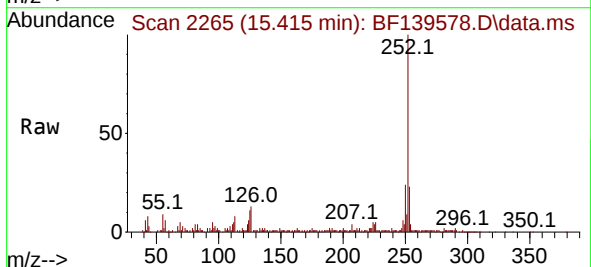
RT: 15.415 min Scan# 2265

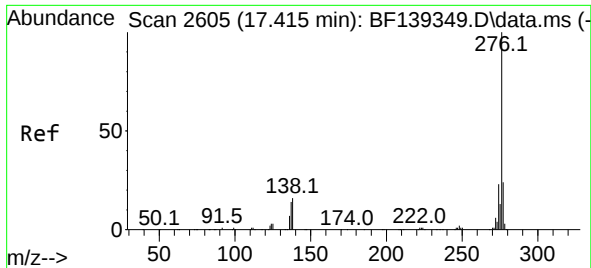
Delta R.T. -0.018 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Tgt Ion:252 Resp: 85383
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.3 25.9
 125 10.8 6.8 10.2





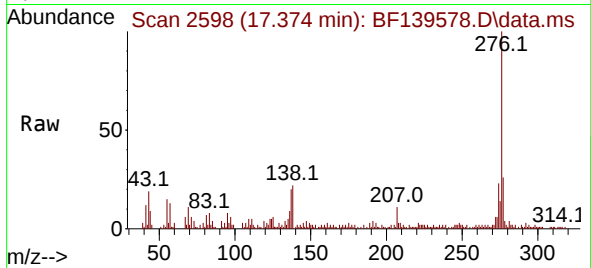
#92
 Benzo(g,h,i)perylene
 Concen: 7.619 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF139578.D
 Acq: 30 Sep 2024 15:00

Instrument :

BNA_F

ClientSampleId :

HD-02-092624



Tgt Ion:276	Resp:	4157
Ion Ratio	Lower	Upper
276	100	
277	25.9	18.9 28.3
138	21.7	13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024

