

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140173.D
 Acq On : 30 Oct 2024 22:10
 Operator : RC/JU
 Sample : P4614-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102924

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Oct 31 11:57:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	69584	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	234431	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	117749	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	218260	20.000	ng	0.00
76) Chrysene-d12	14.074	240	143731	20.000	ng	0.02
86) Perylene-d12	15.574	264	103326	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	338837	76.231	ng	0.00
7) Phenol-d6	6.504	99	405310	70.405	ng	0.00
23) Nitrobenzene-d5	7.439	82	262106	61.966	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	99578	90.411	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	452304	63.484	ng	-0.01
79) Terphenyl-d14	13.010	244	519765	58.926	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	43387	4.208	ng	99
75) Fluoranthene	12.639	202	116452	11.173	ng	98
78) Pyrene	12.868	202	98364	7.818	ng	99
81) Benzo(a)anthracene	14.063	228	47595	5.087	ng	# 90
83) Chrysene	14.098	228	40318	4.700	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.104	276	16895	2.542	ng	# 93
88) Benzo(b)fluoranthene	15.133	252	44350m	7.046	ng	
89) Benzo(k)fluoranthene	15.151	252	14684m	2.705	ng	
90) Benzo(a)pyrene	15.510	252	23887	4.612	ng	# 75
92) Benzo(g,h,i)perylene	17.568	276	15930	2.876	ng	# 86

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

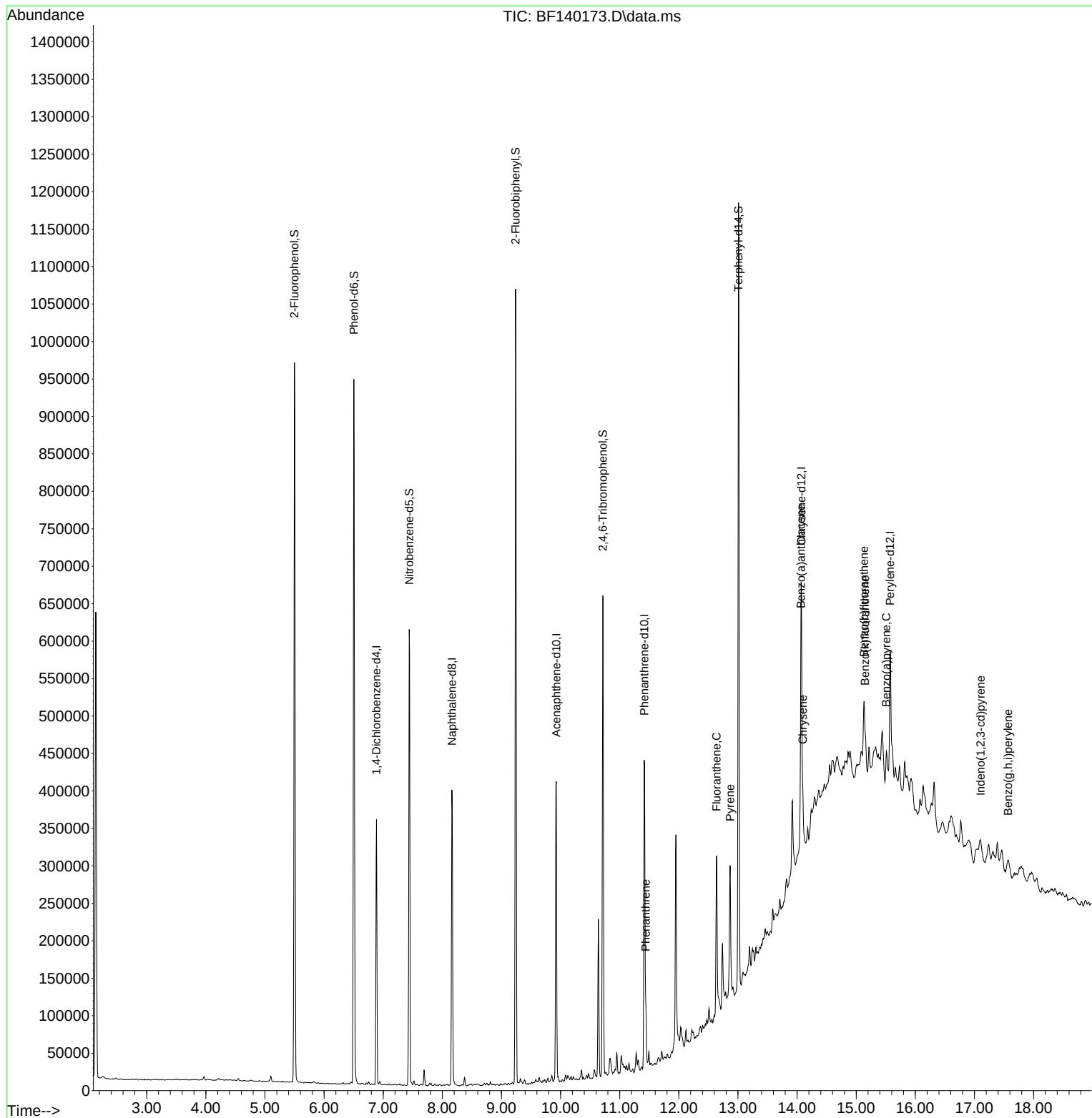
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140173.D
Acq On : 30 Oct 2024 22:10
Operator : RC/JU
Sample : P4614-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

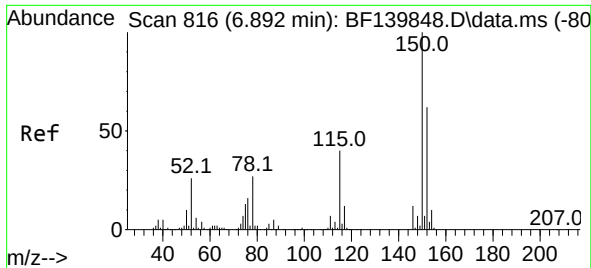
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Quant Time: Oct 31 11:57:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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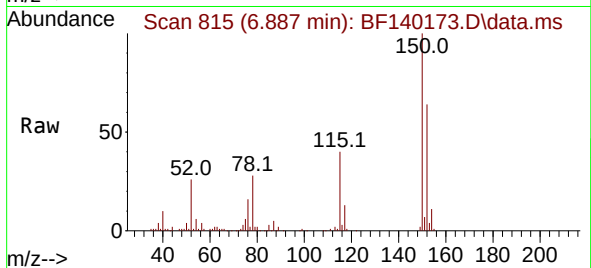
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

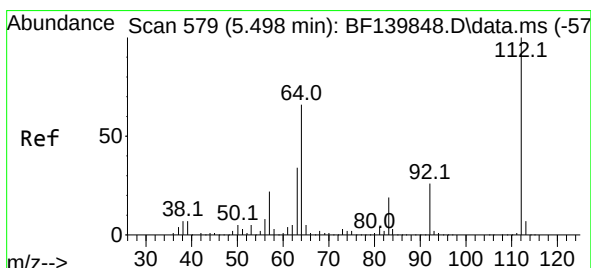
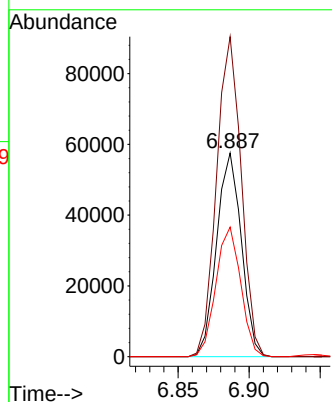
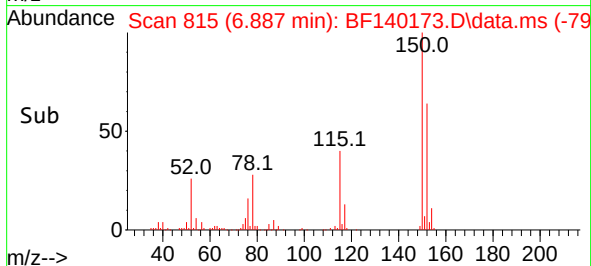


Tgt Ion:152 Resp: 69584
Ion Ratio Lower Upper
152 100
150 157.1 130.2 195.2
115 63.6 51.4 77.2

Manual Integrations

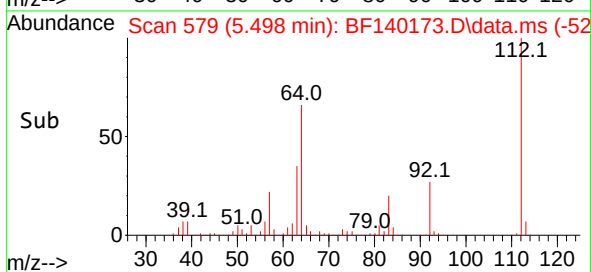
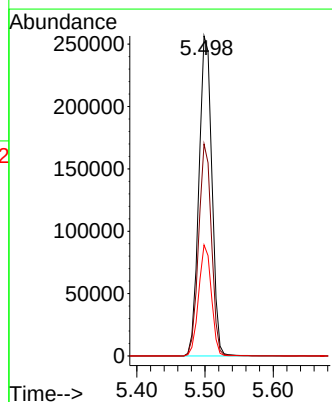
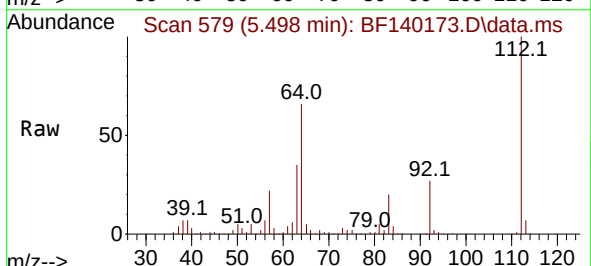
APPROVED

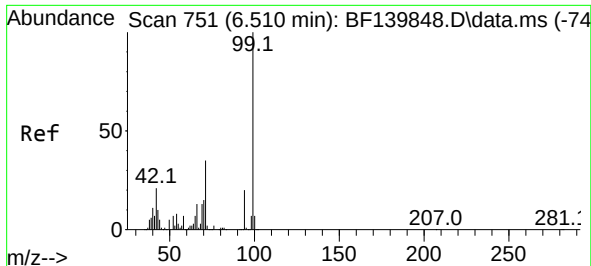
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 76.231 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Tgt Ion:112 Resp: 338837
Ion Ratio Lower Upper
112 100
64 66.3 53.0 79.6
63 34.7 27.0 40.4





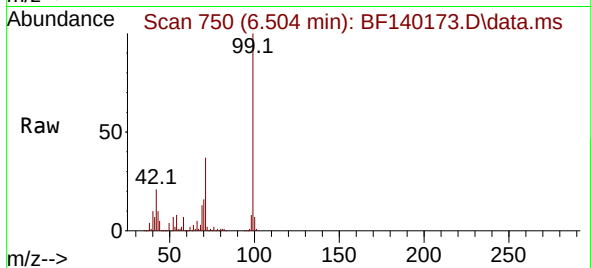
#7
Phenol-d6
Concen: 70.405 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924



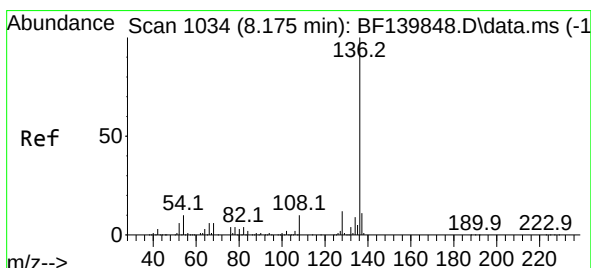
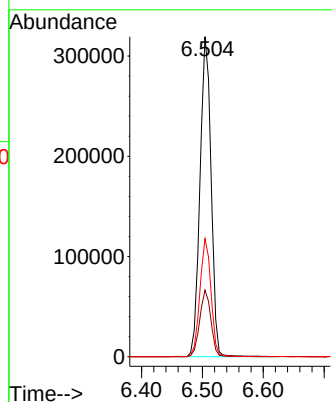
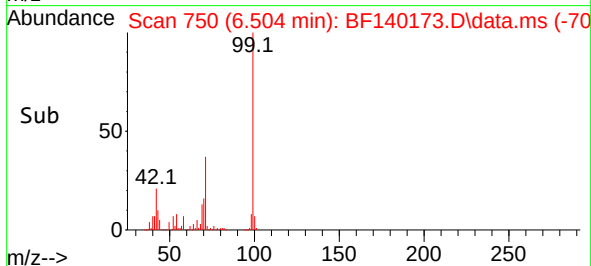
Tgt Ion: 99 Resp: 405310
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 36.9 27.7 41.5

Manual Integrations

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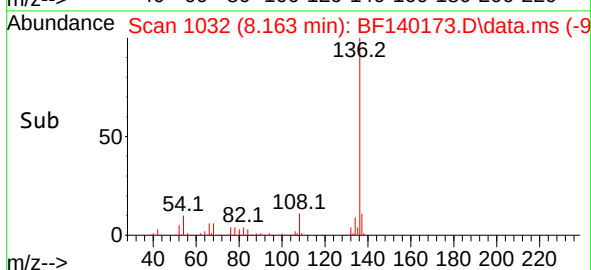
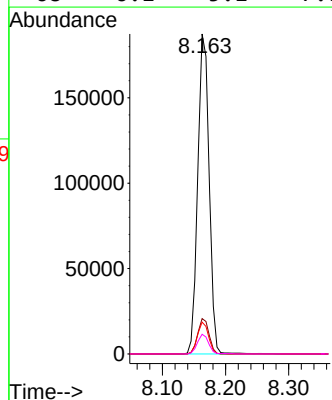
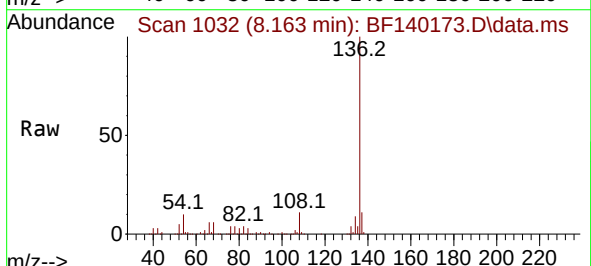
Reviewed By :Yogesh Patel 11/04/2024

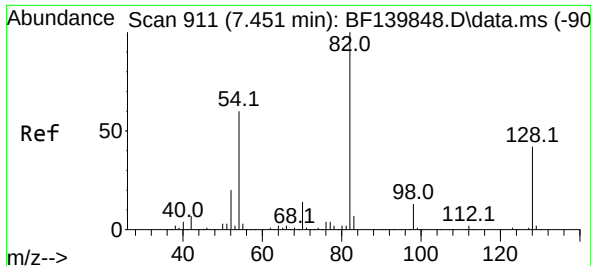
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Tgt Ion:136 Resp: 234431
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.0 8.4 12.6
68 6.1 5.1 7.7





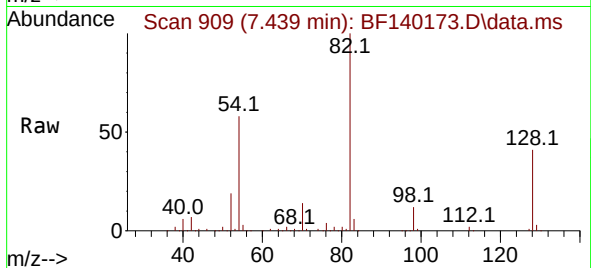
#23
Nitrobenzene-d5
Concen: 61.966 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

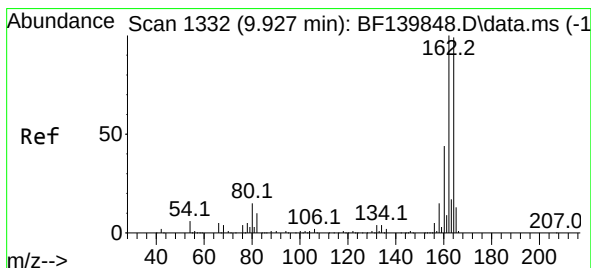
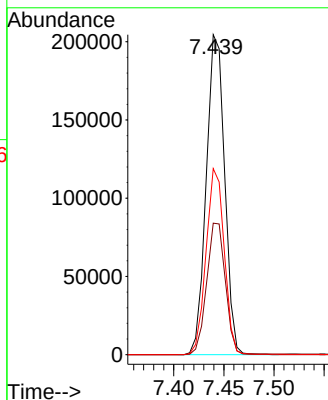
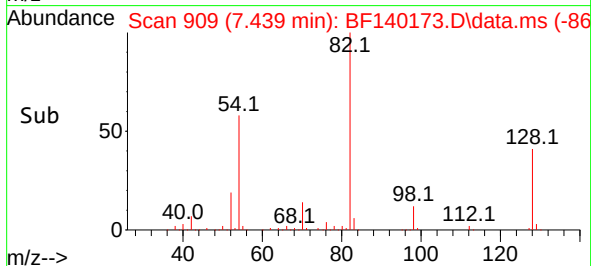


Tgt Ion: 82 Resp: 262100
Ion Ratio Lower Upper
82 100
128 41.1 33.4 50.0
54 58.1 47.8 71.8

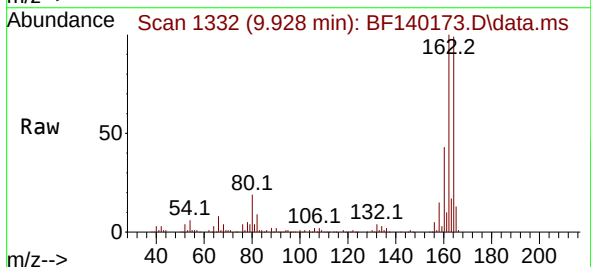
Manual Integrations

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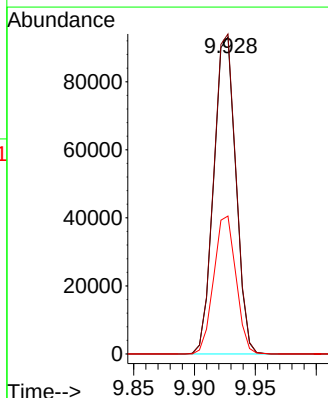
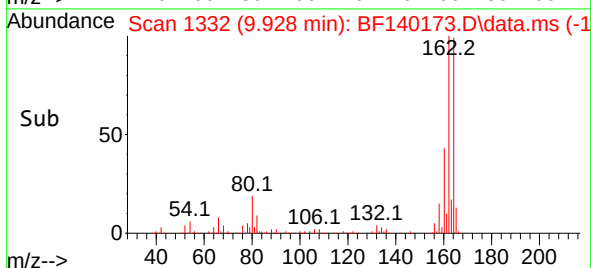
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

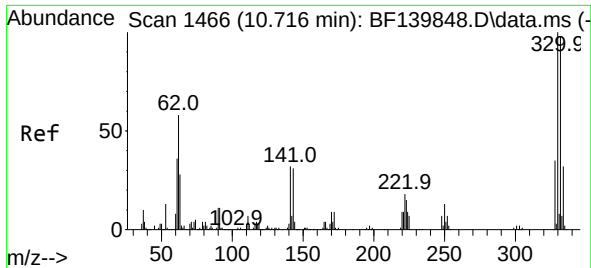


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10



Tgt Ion:164 Resp: 117749
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 43.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 90.411 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

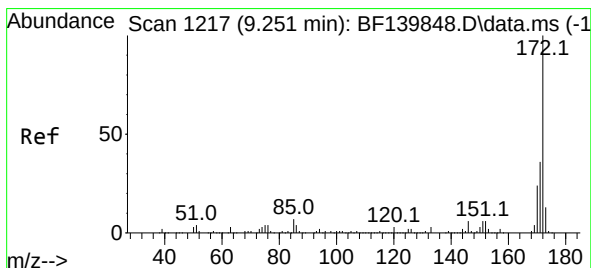
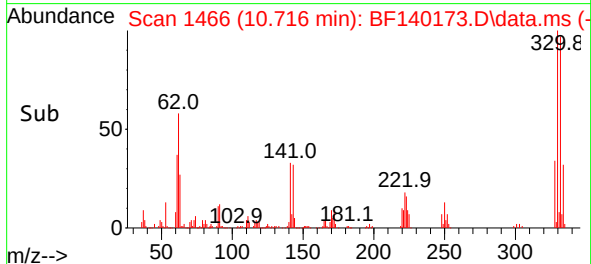
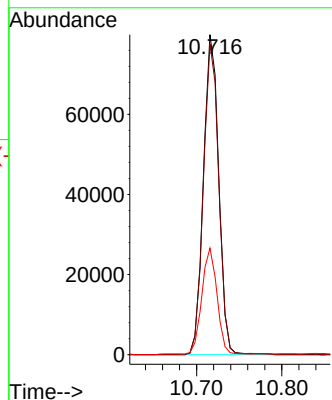
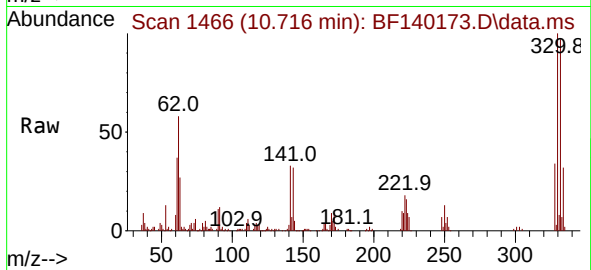
Tgt Ion:330 Resp: 99578
Ion Ratio Lower Upper
330 100
332 97.4 78.1 117.1
141 33.7 26.6 39.8

Manual Integrations

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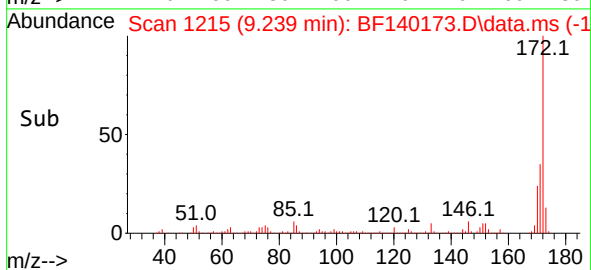
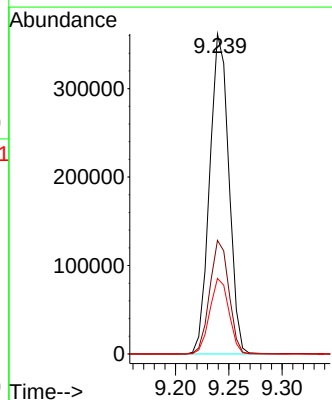
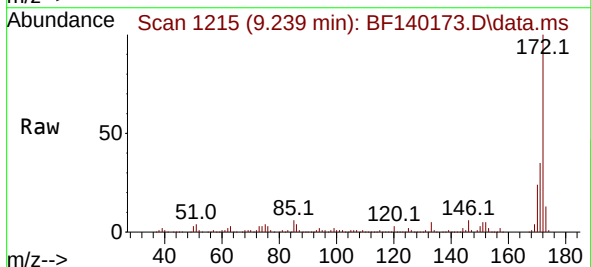
Reviewed By :Yogesh Patel 11/04/2024

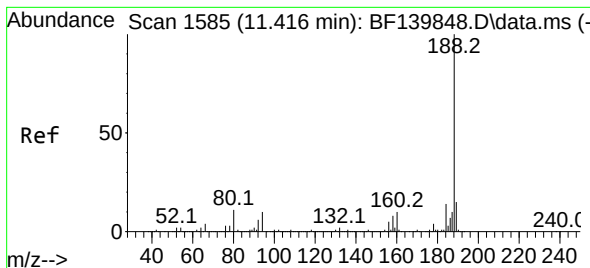
Supervised By :mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 63.484 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Tgt Ion:172 Resp: 452304
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.1 28.7





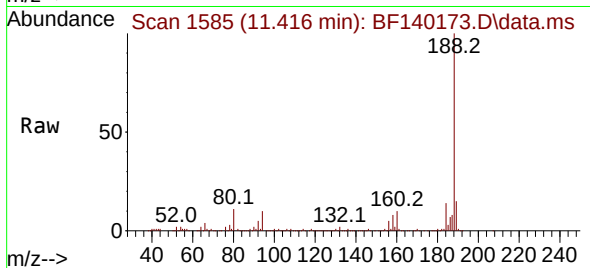
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924



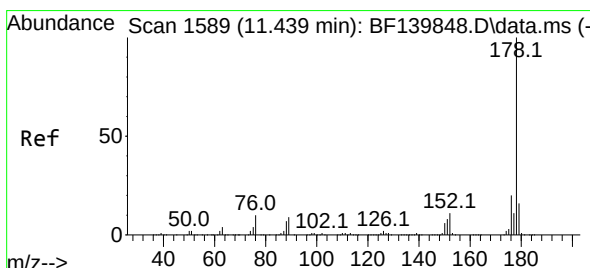
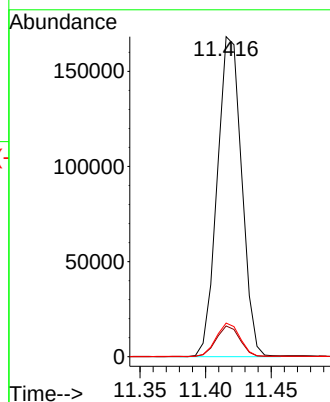
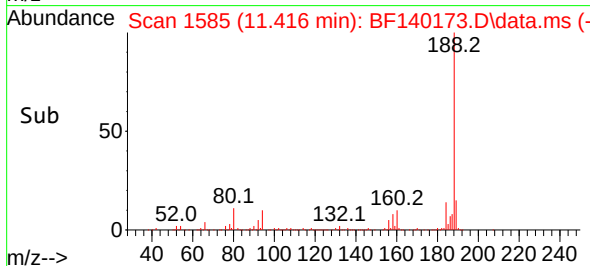
Tgt Ion:188 Resp: 218260
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.5 9.0 13.4

Manual Integrations

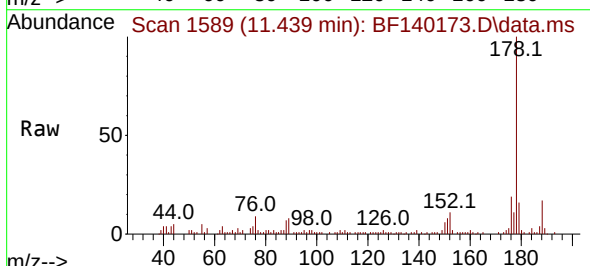
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

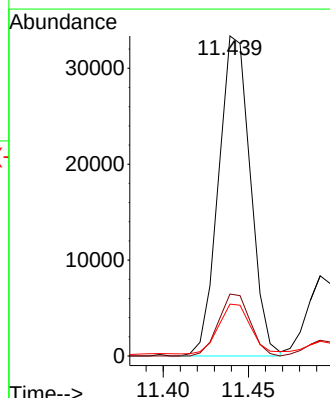
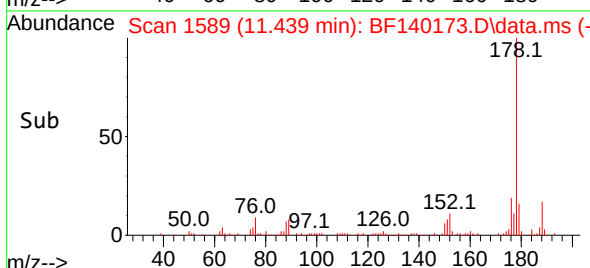
Supervised By :mohammad ahmed 11/04/2024

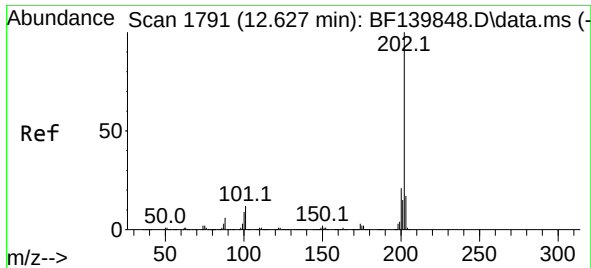


#71
Phenanthrene
Concen: 4.208 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10



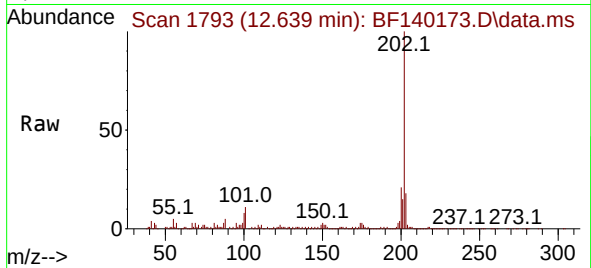
Tgt Ion:178 Resp: 43387
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.2 12.6 18.8





#75
Fluoranthene
Concen: 11.173 ng
RT: 12.639 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

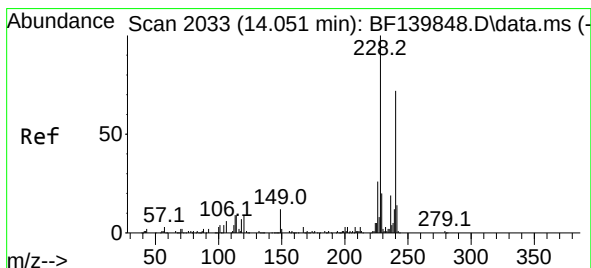
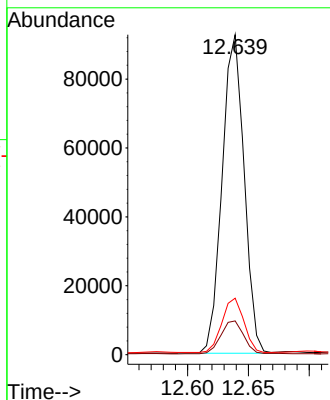
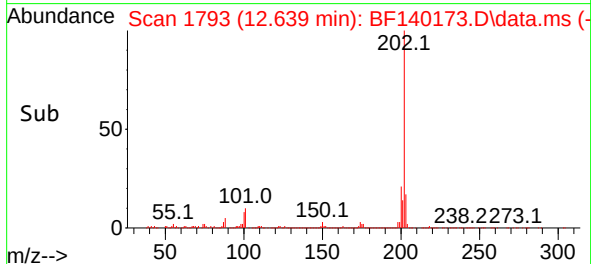
Instrument :
BNA_F
ClientSampleId :
NB-07-102924



Tgt Ion:202 Resp: 11645
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.9
203 17.6 0.0 37.5

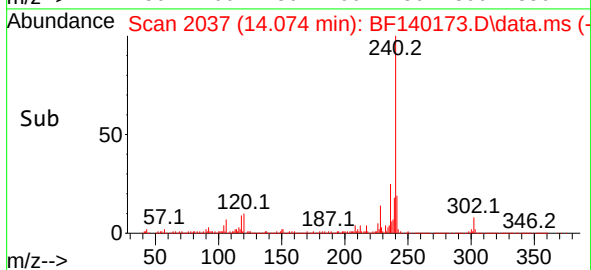
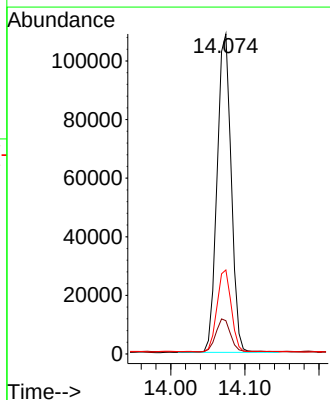
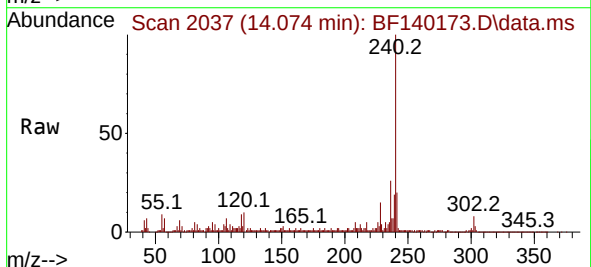
Manual Integrations
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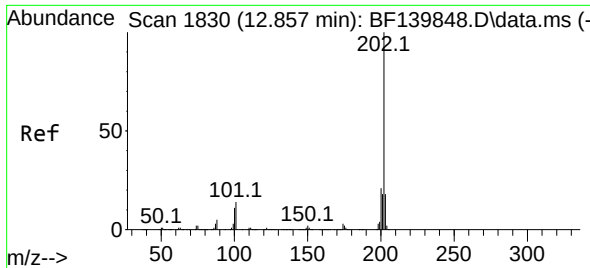
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.024 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Tgt Ion:240 Resp: 143731
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.3 20.9 31.3





#78
Pyrene
Concen: 7.818 ng
RT: 12.868 min Scan# 1832
Delta R.T. 0.012 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

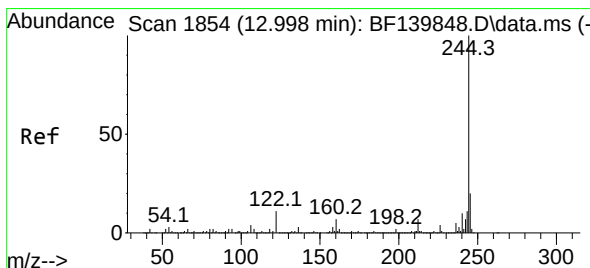
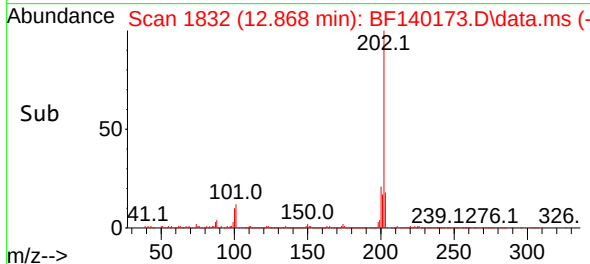
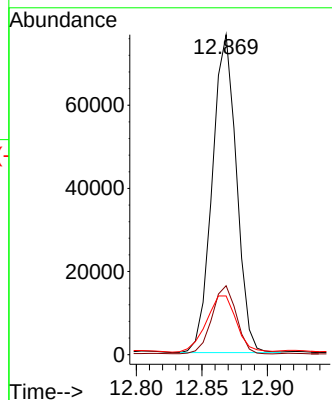
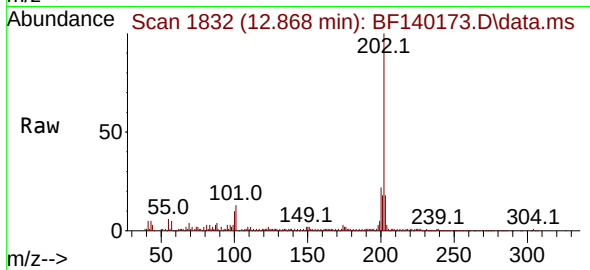
NB-07-102924

Tgt Ion:202 Resp: 98364
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 18.4 14.2 21.4

Manual Integrations

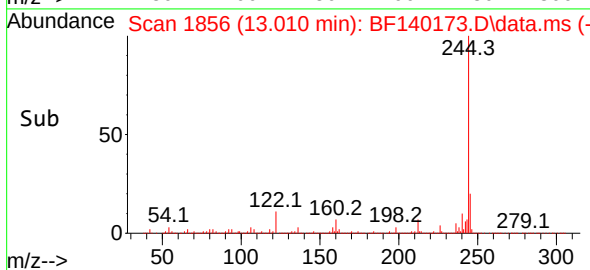
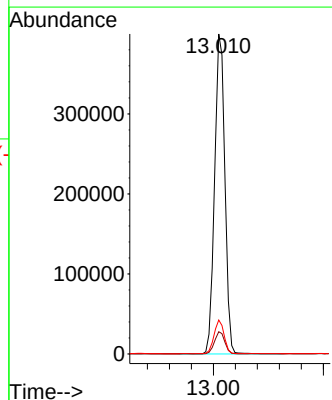
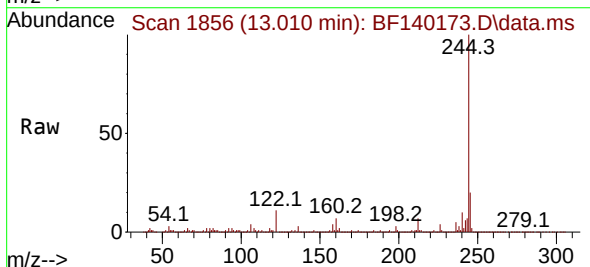
APPROVED

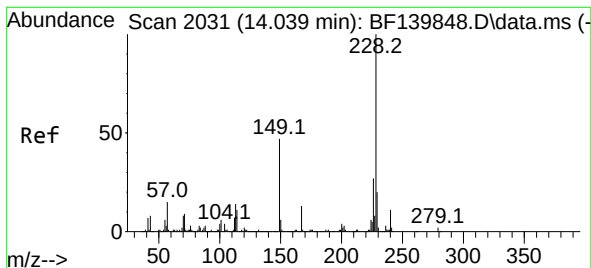
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#79
Terphenyl-d14
Concen: 58.926 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Tgt Ion:244 Resp: 519765
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.6 8.6 13.0





#81

Benzo(a)anthracene

Concen: 5.087 ng

RT: 14.063 min Scan# 2041

Delta R.T. 0.024 min

Lab File: BF140173.D

Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

Tgt Ion:228 Resp: 4759

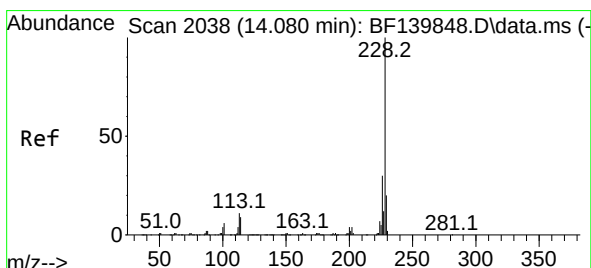
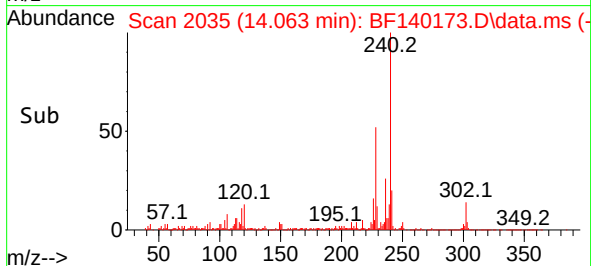
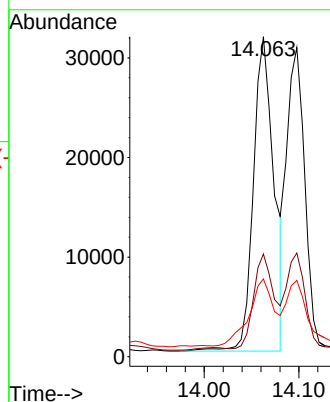
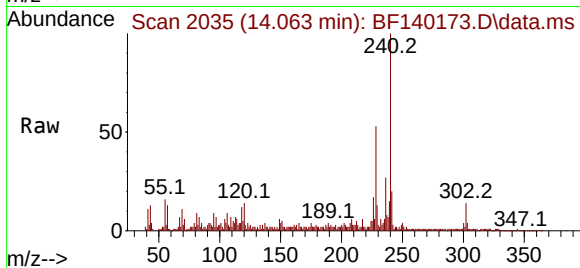
Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.6	32.4
229	24.3	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#83

Chrysene

Concen: 4.700 ng

RT: 14.098 min Scan# 2041

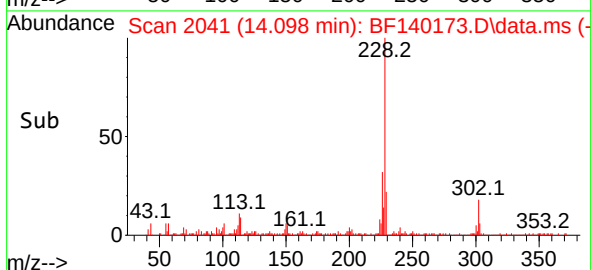
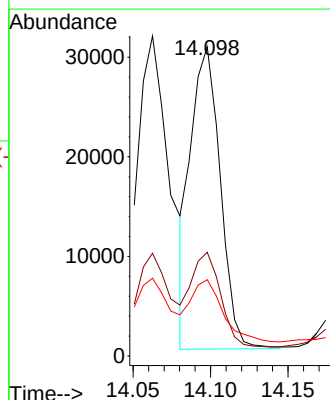
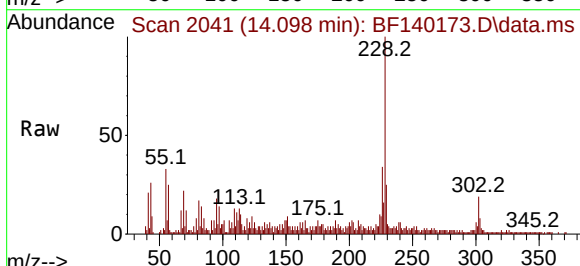
Delta R.T. 0.018 min

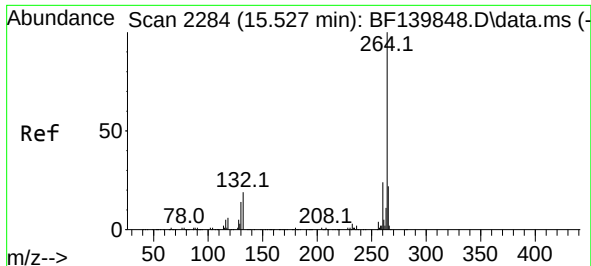
Lab File: BF140173.D

Acq: 30 Oct 2024 22:10

Tgt Ion:228 Resp: 40318

Ion	Ratio	Lower	Upper
228	100		
226	33.5	24.1	36.1
229	24.7	15.8	23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

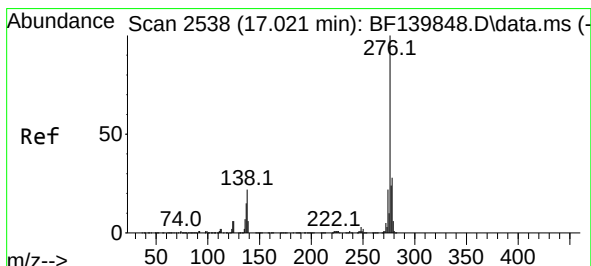
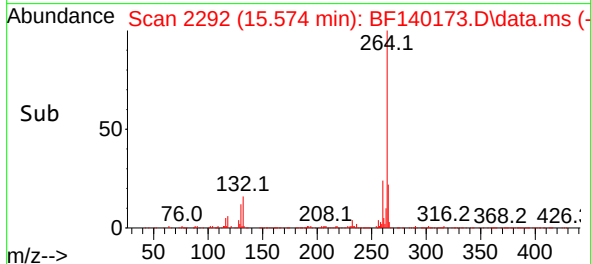
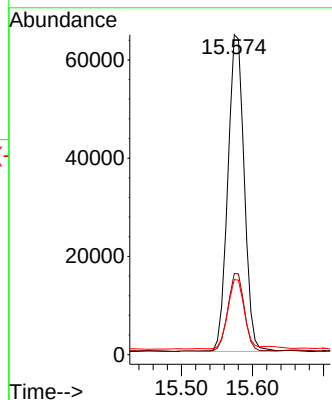
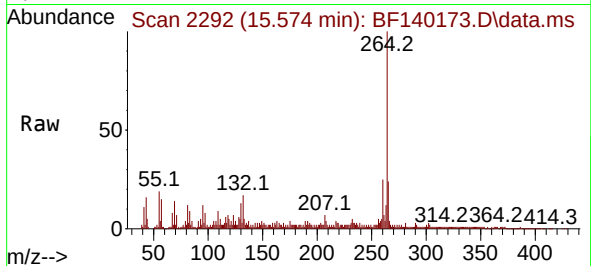
NB-07-102924

Tgt Ion:264 Resp: 103320
Ion Ratio Lower Upper
264 100
260 25.4 19.4 29.2
265 23.5 17.4 26.0

Manual Integrations

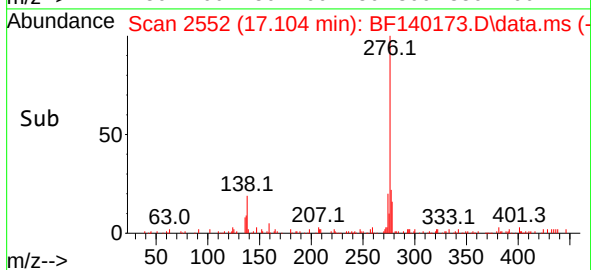
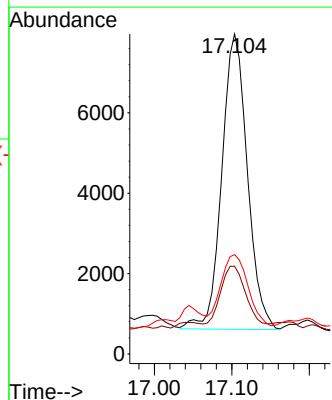
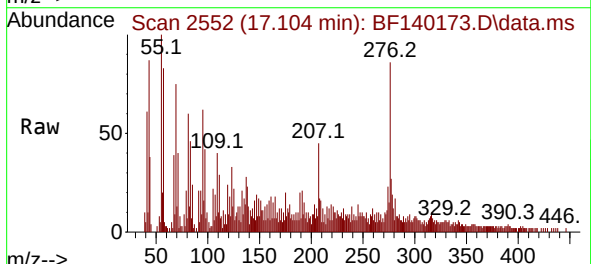
APPROVED

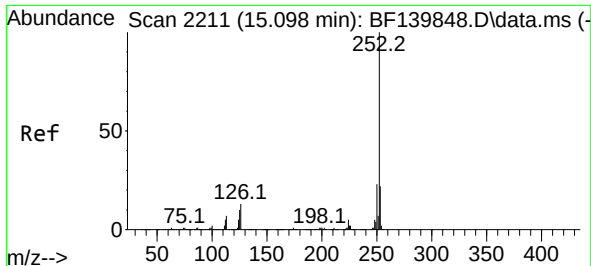
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.542 ng
RT: 17.104 min Scan# 2552
Delta R.T. 0.082 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

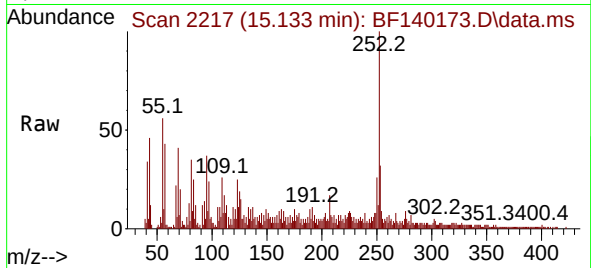
Tgt Ion:276 Resp: 16895
Ion Ratio Lower Upper
276 100
138 18.7 20.4 30.6#
277 25.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.046 ng m
RT: 15.133 min Scan# 211
Delta R.T. 0.035 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

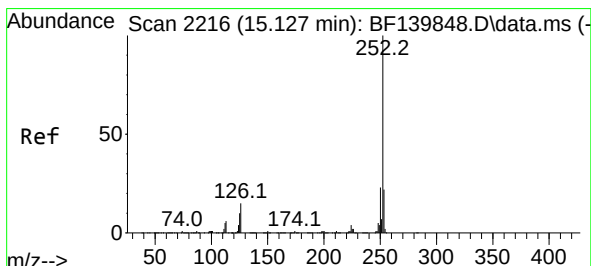
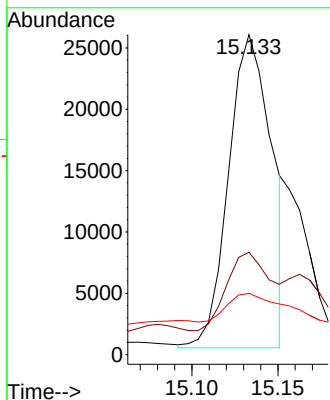
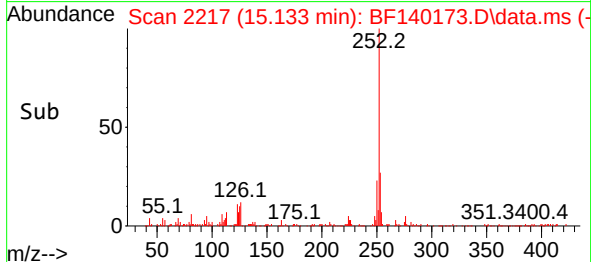
Instrument :
BNA_F
ClientSampleId :
NB-07-102924



Tgt Ion:252 Resp: 44350
Ion Ratio Lower Upper
252 100
253 32.0 17.6 26.4#
125 19.1 7.9 11.9#

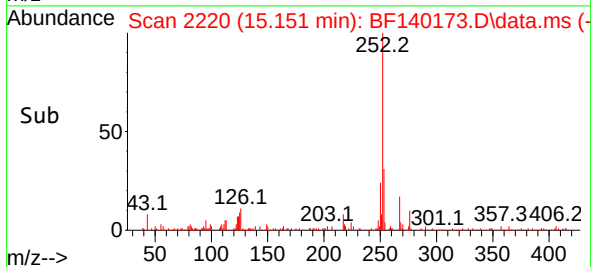
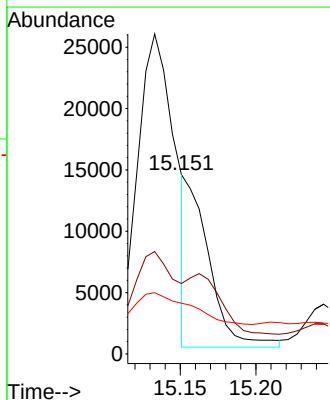
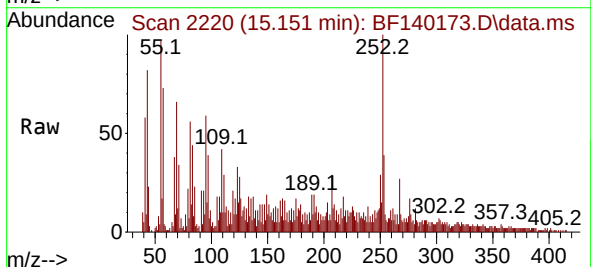
Manual Integrations
APPROVED

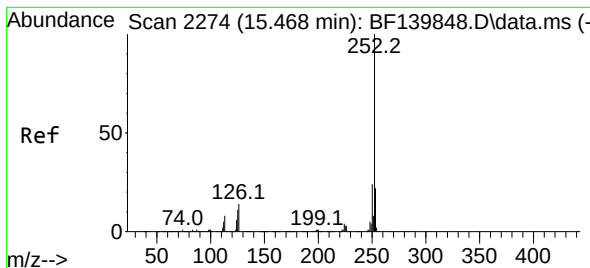
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#89
Benzo(k)fluoranthene
Concen: 2.705 ng m
RT: 15.151 min Scan# 2220
Delta R.T. 0.024 min
Lab File: BF140173.D
Acq: 30 Oct 2024 22:10

Tgt Ion:252 Resp: 14684
Ion Ratio Lower Upper
252 100
253 39.2 17.6 26.4#
125 28.3 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 4.612 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140173.D

Acq: 30 Oct 2024 22:10

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

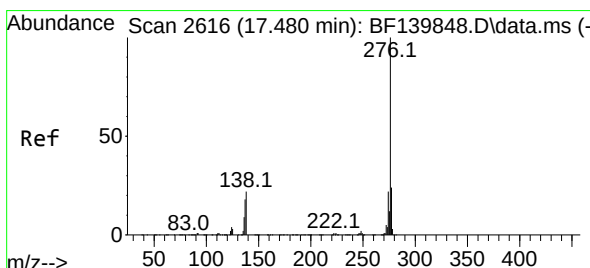
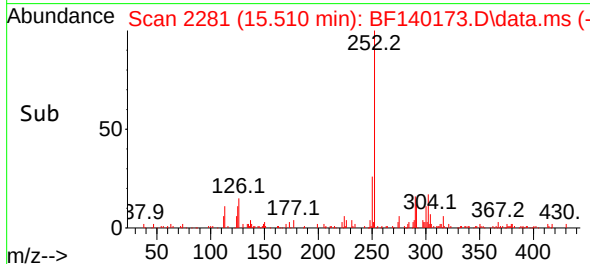
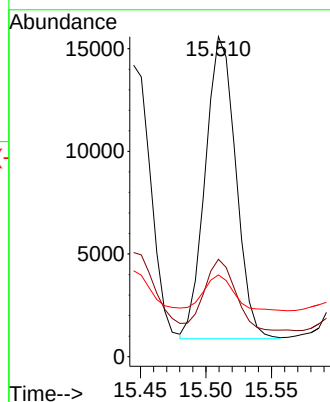
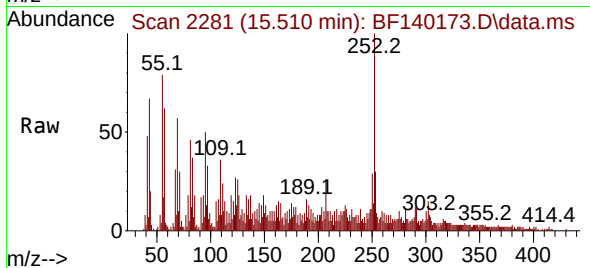
Tgt Ion:	252	Resp:	2388
Ion Ratio	Lower	Upper	
252	100		
253	30.4	17.3	25.9
125	25.6	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 2.876 ng

RT: 17.568 min Scan# 2631

Delta R.T. 0.088 min

Lab File: BF140173.D

Acq: 30 Oct 2024 22:10

Tgt Ion:	276	Resp:	15930
Ion Ratio	Lower	Upper	
276	100		
277	30.1	19.0	28.6
138	28.9	17.4	26.0

