

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139336.D
 Acq On : 11 Sep 2024 20:01
 Operator : RC/JU
 Sample : P3925-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07091024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
 Supervised By :mohammad ahmed 09/13/2024

Quant Time: Sep 12 05:16:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	57520	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	194260	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	81133	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	127051	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	84506	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	64985	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	129657	37.708	ng	-0.01
7) Phenol-d6	6.504	99	164058	35.741	ng	-0.01
23) Nitrobenzene-d5	7.439	82	108944	29.175	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	26736	38.162	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	178055	33.877	ng	-0.01
79) Terphenyl-d14	12.986	244	148571	28.386	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.875	142	17419	2.830	ng	99
38) 1-Methylnaphthalene	8.975	142	13527	2.235	ng	91
71) Phenanthrene	11.427	178	12366	2.083	ng	# 90
75) Fluoranthene	12.616	202	35146	5.907	ng	97
78) Pyrene	12.845	202	37631	4.610	ng	97
81) Benzo(a)anthracene	14.033	228	23969	4.442	ng	# 91
83) Chrysene	14.068	228	17679	3.510	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.986	276	9446	2.327	ng	94
88) Benzo(b)fluoranthene	15.086	252	23006m	6.147	ng	
89) Benzo(k)fluoranthene	15.104	252	6867m	2.046	ng	
90) Benzo(a)pyrene	15.451	252	16124	5.074	ng	# 93
92) Benzo(g,h,i)perylene	17.439	276	10376	3.005	ng	96

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

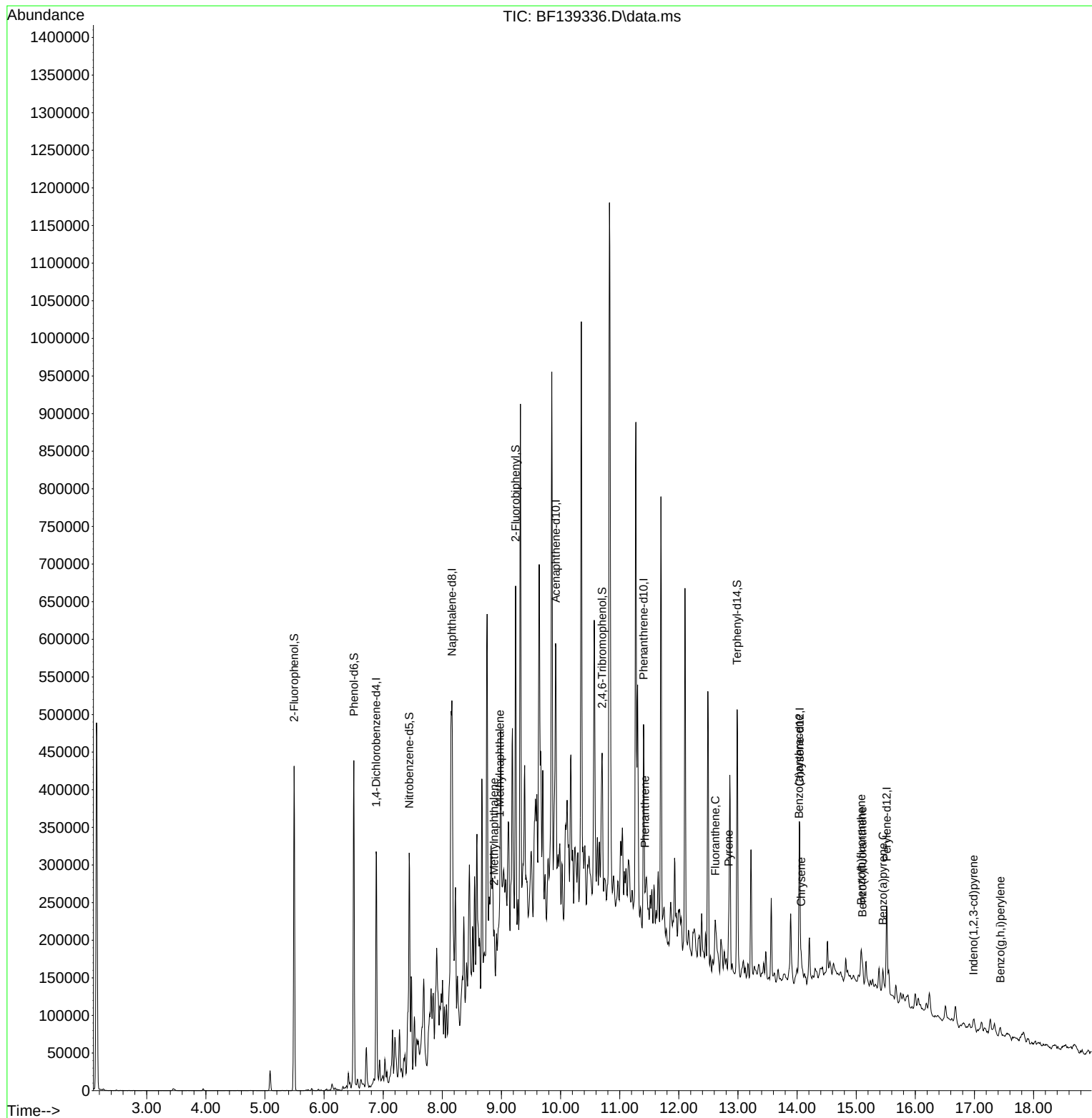
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
Data File : BF139336.D
Acq On : 11 Sep 2024 20:01
Operator : RC/JU
Sample : P3925-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

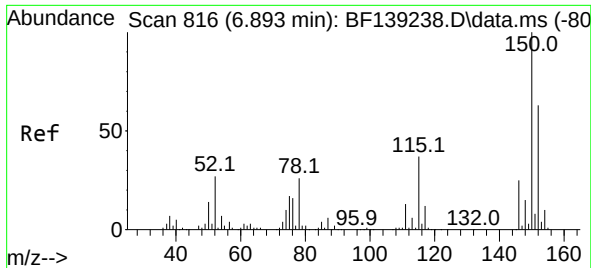
Instrument :
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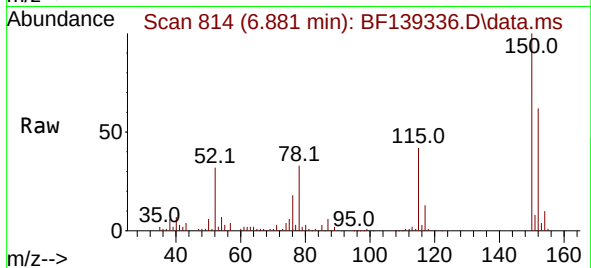
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

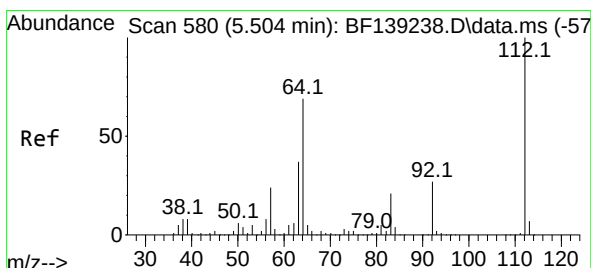
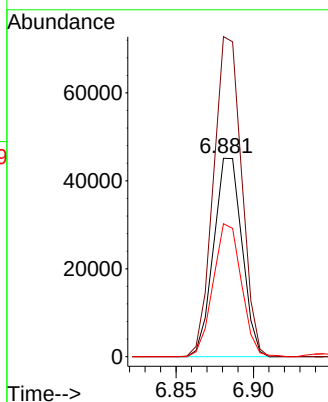
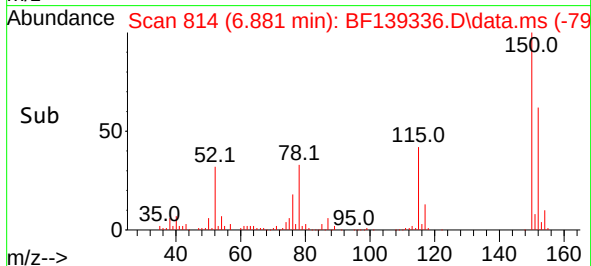


Tgt Ion:152 Resp: 57520
Ion Ratio Lower Upper
152 100
150 161.2 127.0 190.4
115 67.0 46.9 70.3

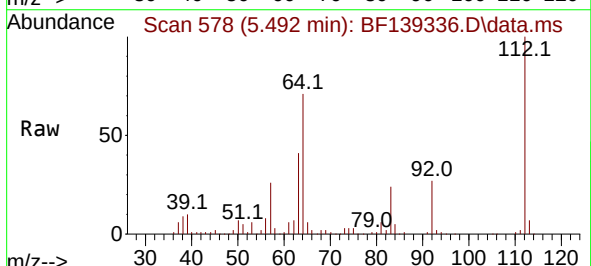
Manual Integrations

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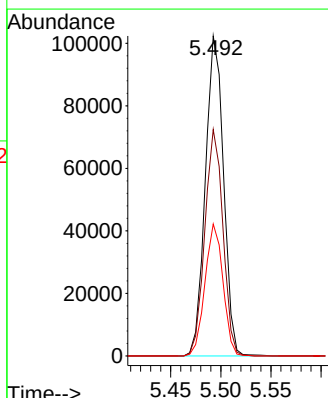
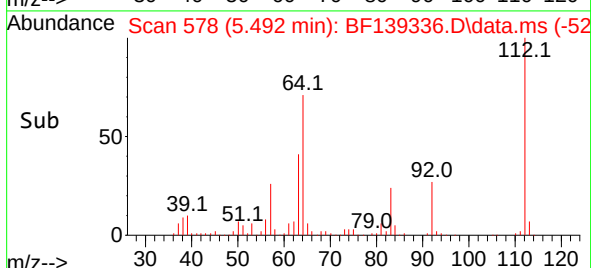
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024

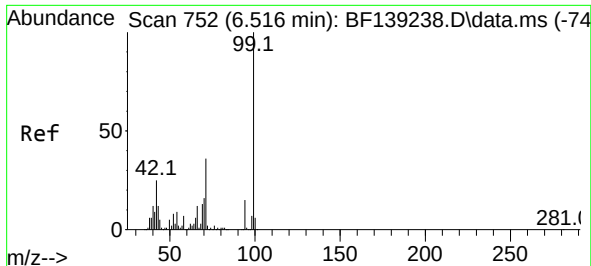


#5
2-Fluorophenol
Concen: 37.708 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01



Tgt Ion:112 Resp: 129657
Ion Ratio Lower Upper
112 100
64 70.8 55.0 82.4
63 41.2 29.9 44.9





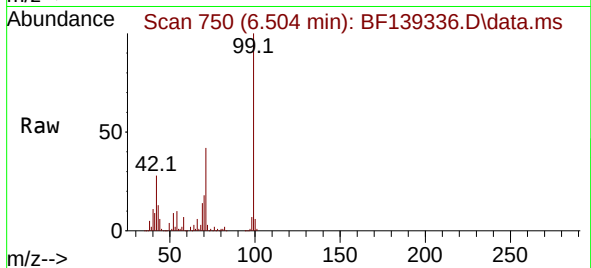
#7
Phenol-d6
Concen: 35.741 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

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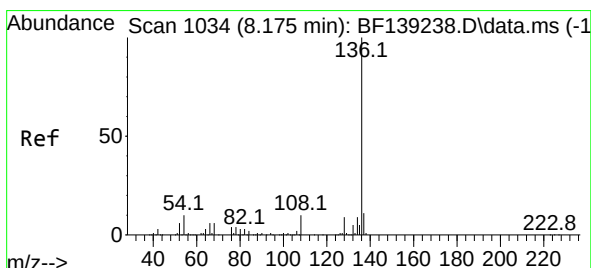
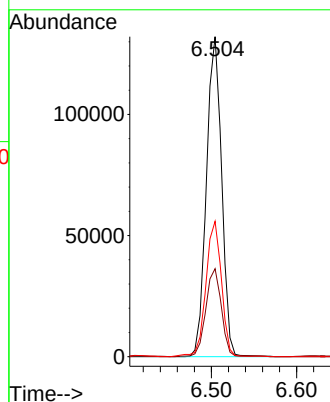
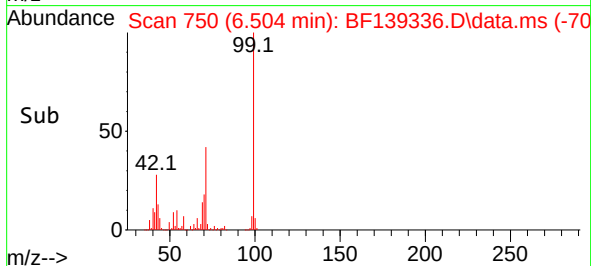


Tgt Ion: 99 Resp: 164058
Ion Ratio Lower Upper
99 100
42 27.5 19.8 29.6
71 42.3 28.8 43.2

Manual Integrations

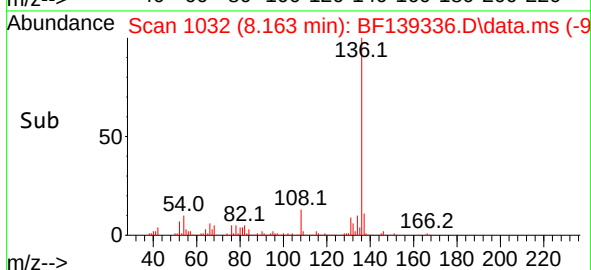
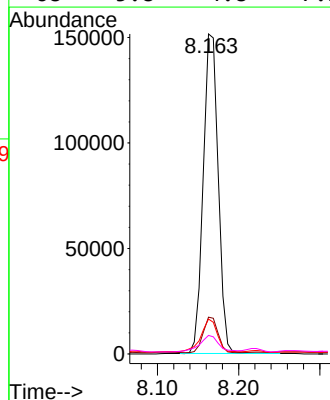
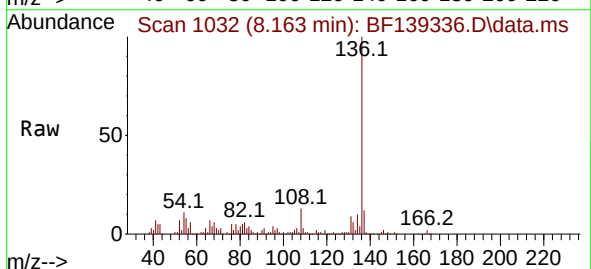
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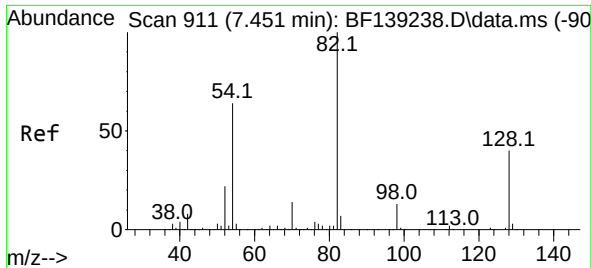
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:136 Resp: 194260
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 10.9 8.4 12.6
68 5.8 4.8 7.2





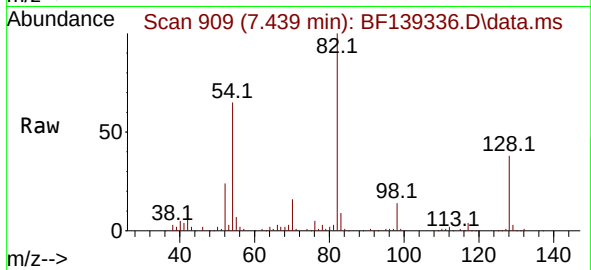
#23
Nitrobenzene-d5
Concen: 29.175 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

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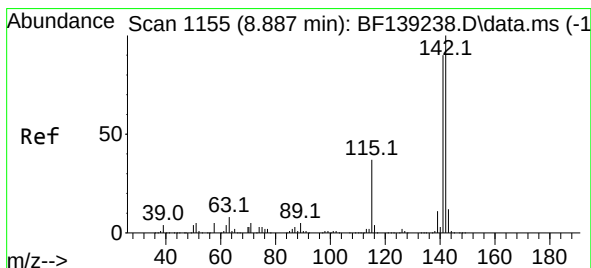
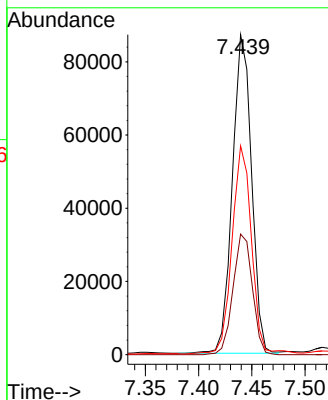
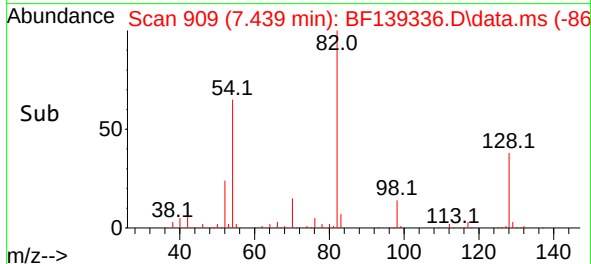


Tgt Ion: 82 Resp: 108944
Ion Ratio Lower Upper
82 100
128 37.7 32.3 48.5
54 65.2 51.2 76.8

Manual Integrations

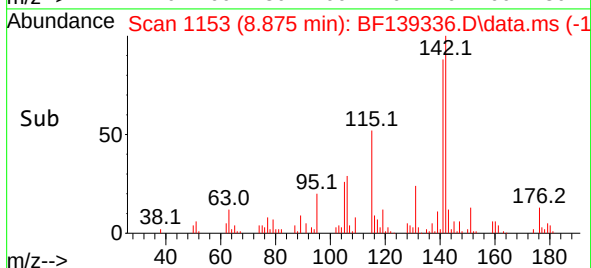
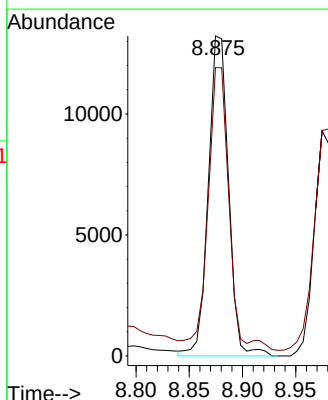
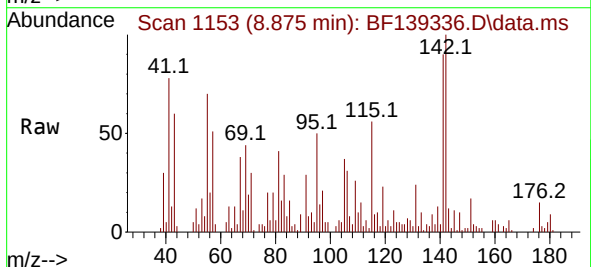
APPROVED

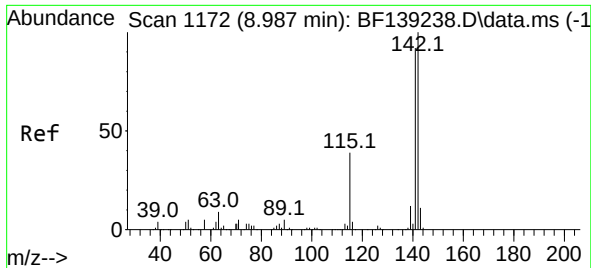
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#37
2-Methylnaphthalene
Concen: 2.830 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:142 Resp: 17419
Ion Ratio Lower Upper
142 100
141 90.1 71.6 107.4





#38
1-Methylnaphthalene
Concen: 2.235 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

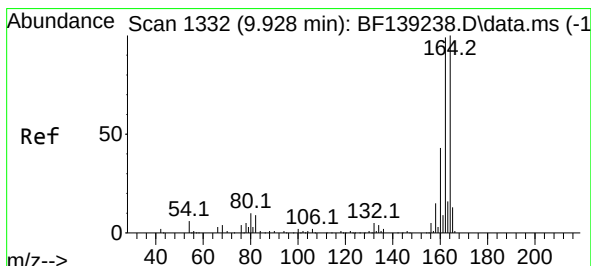
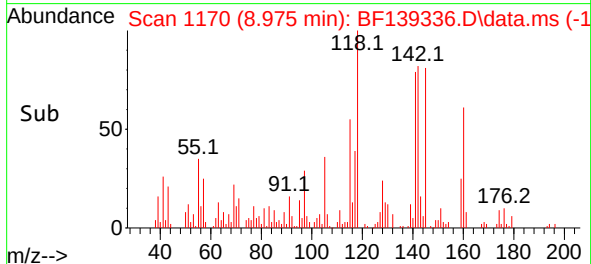
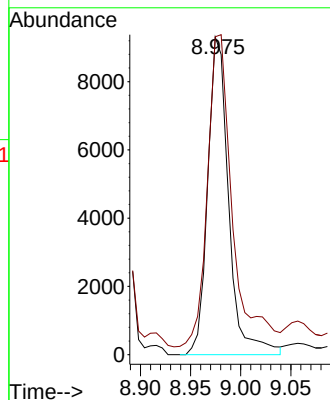
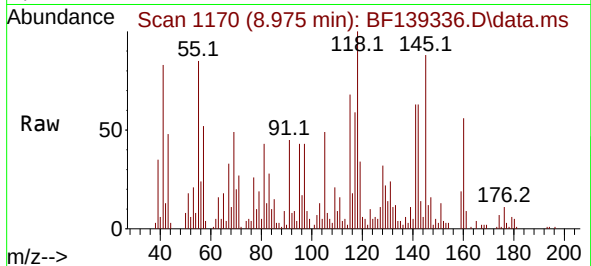
NB-07091024

Tgt Ion:142 Resp: 1352
Ion Ratio Lower Upper
142 100
141 100.1 73.5 110.3

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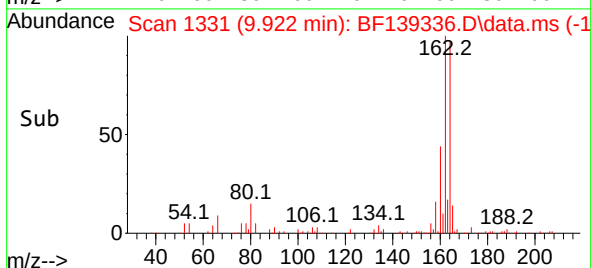
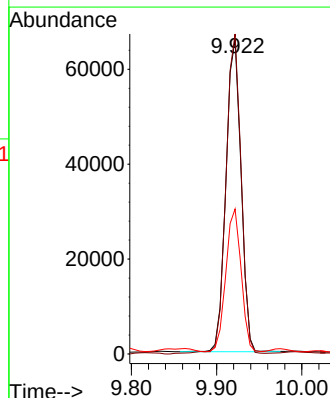
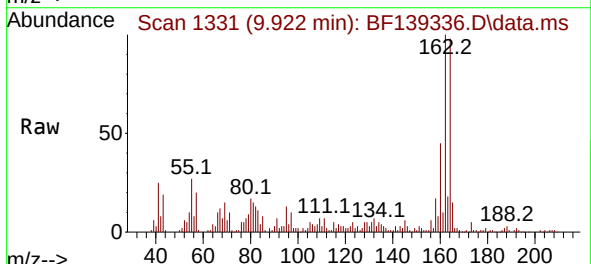
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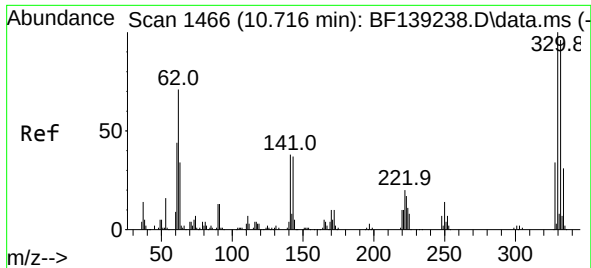
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:164 Resp: 81133
Ion Ratio Lower Upper
164 100
162 101.8 79.2 118.8
160 46.1 34.2 51.2





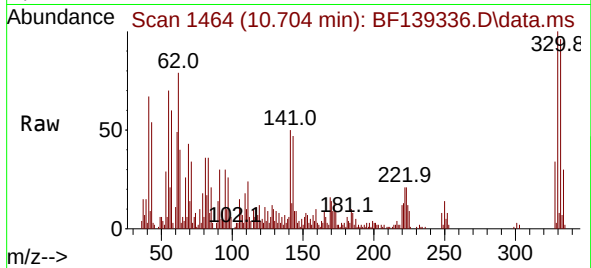
#42
2,4,6-Tribromophenol
Concen: 38.162 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

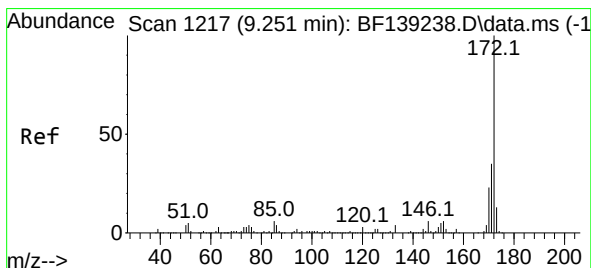
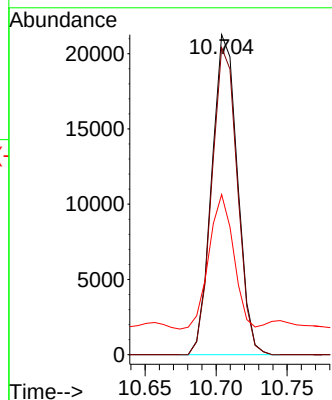
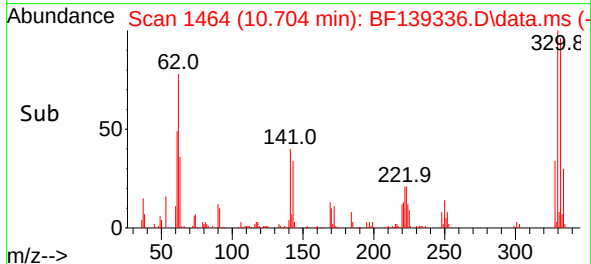


Tgt Ion: 330 Resp: 26730
Ion Ratio Lower Upper
330 100
332 95.6 76.6 115.0
141 40.5 30.1 45.1

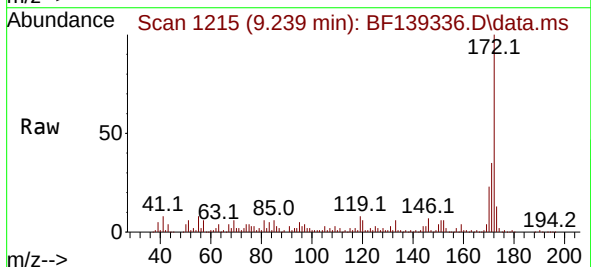
Manual Integrations

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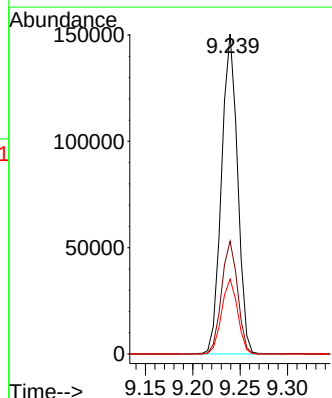
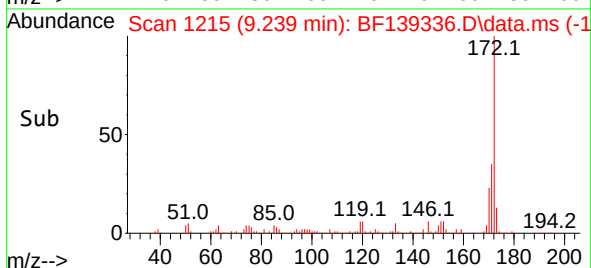
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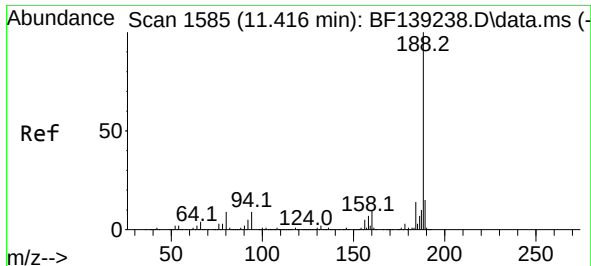


#45
2-Fluorobiphenyl
Concen: 33.877 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01



Tgt Ion: 172 Resp: 178055
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.4 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

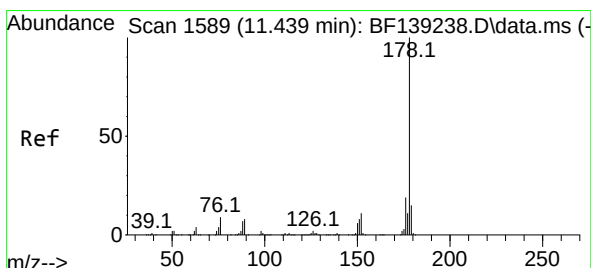
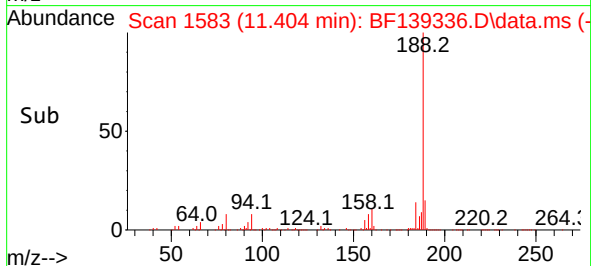
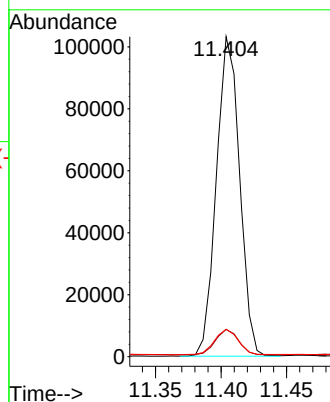
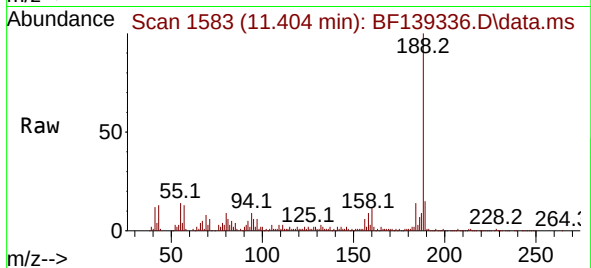
NB-07091024

Tgt Ion:188 Resp: 12705
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 8.6 7.3 10.9

Manual Integrations

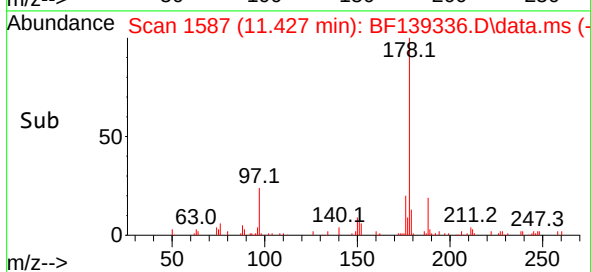
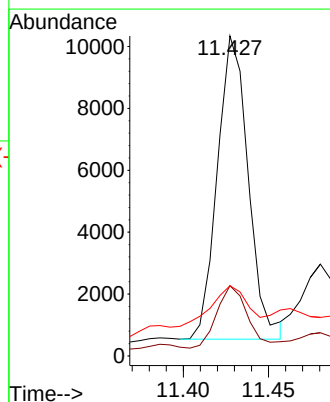
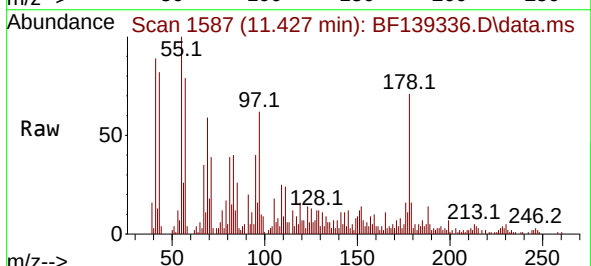
APPROVED

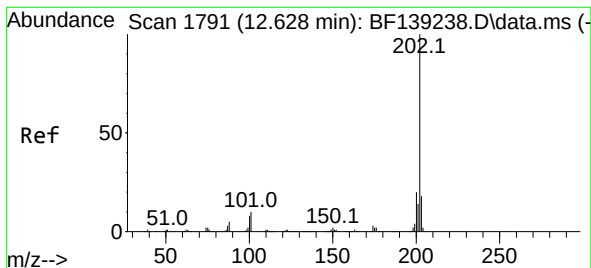
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#71
Phenanthrene
Concen: 2.083 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

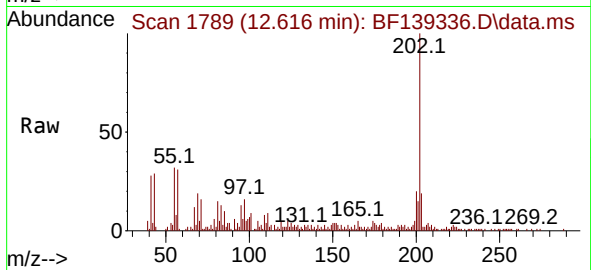
Tgt Ion:178 Resp: 12366
Ion Ratio Lower Upper
178 100
176 21.9 15.4 23.0
179 21.9 12.3 18.5#





#75
Fluoranthene
Concen: 5.907 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

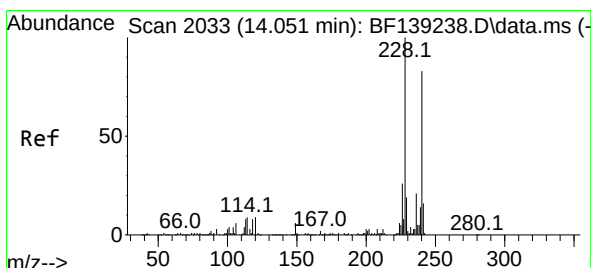
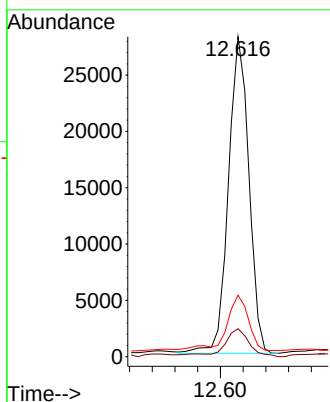
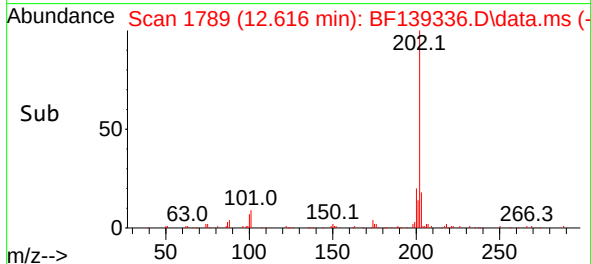
Instrument :
BNA_F
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NB-07091024



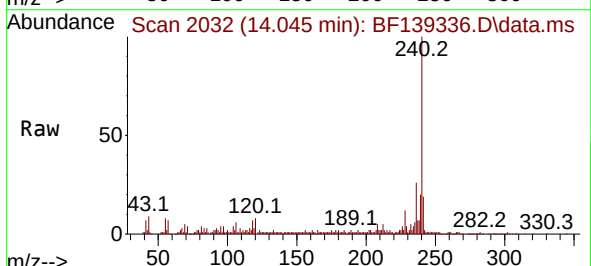
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Ion Ratio Lower Upper
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101 8.8 0.0 29.9
203 19.2 0.0 37.7

Manual Integrations
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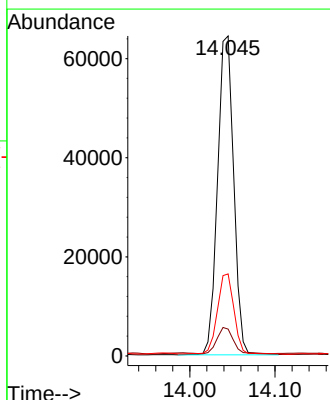
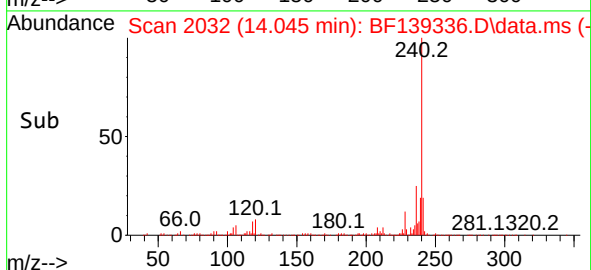
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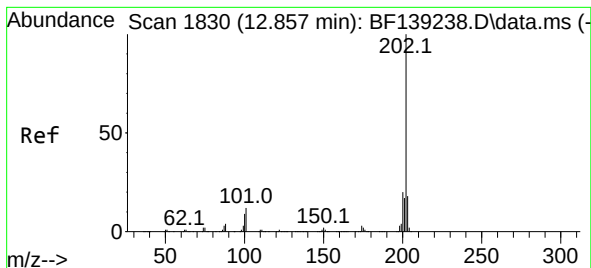


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01



Tgt Ion:240 Resp: 84506
Ion Ratio Lower Upper
240 100
120 8.4 8.6 12.8#
236 25.7 20.7 31.1





#78

Pyrene

Concen: 4.610 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

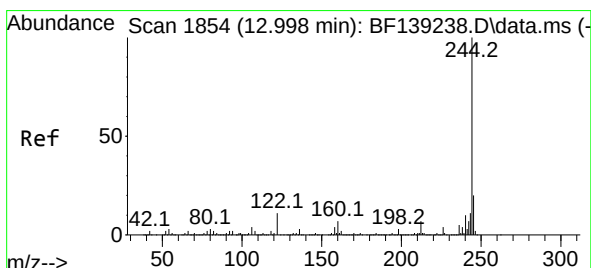
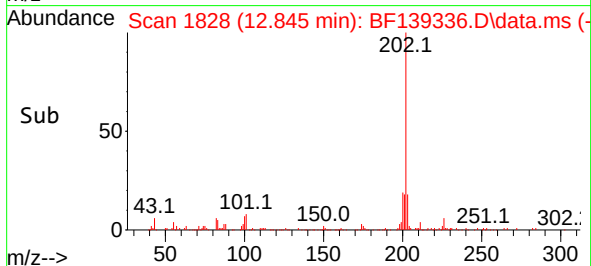
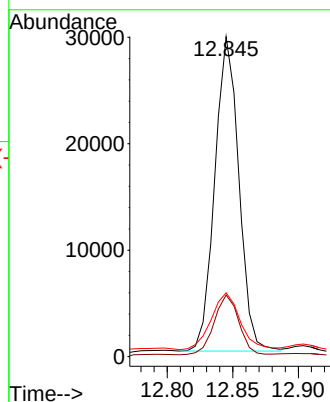
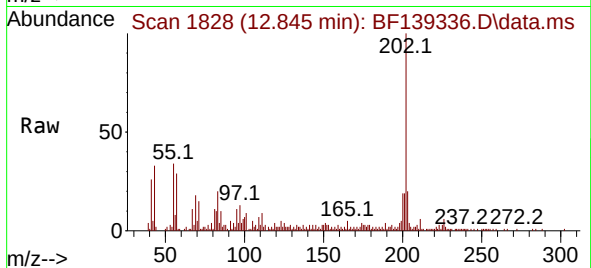
NB-07091024

Tgt Ion:202	Resp: 3763
Ion Ratio	Lower Upper
202 100	
200 19.3	15.8 23.8
203 20.0	14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#79

Terphenyl-d14

Concen: 28.386 ng

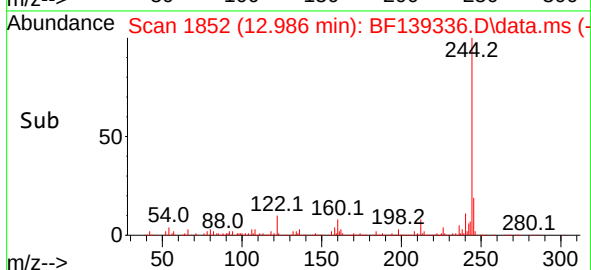
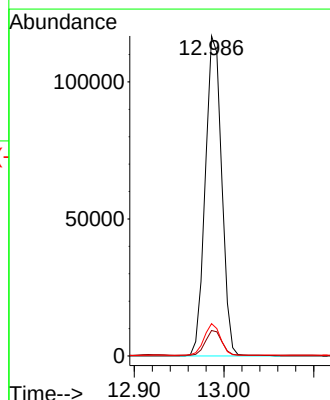
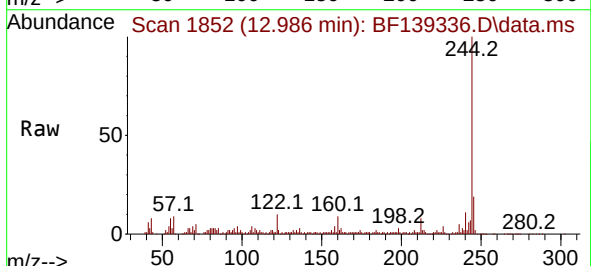
RT: 12.986 min Scan# 1852

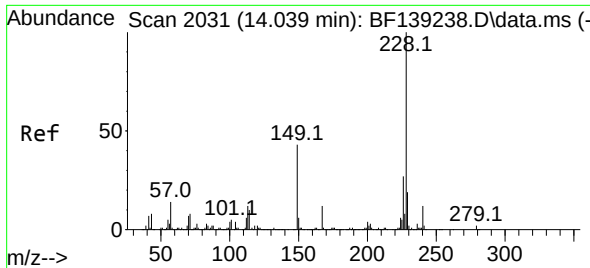
Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Tgt Ion:244	Resp: 148571
Ion Ratio	Lower Upper
244 100	
212 7.9	5.9 8.9
122 10.1	8.7 13.1





#81
Benzo(a)anthracene
Concen: 4.442 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

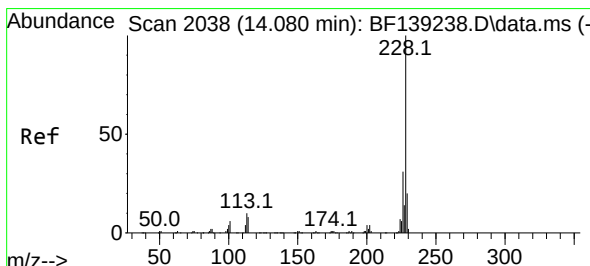
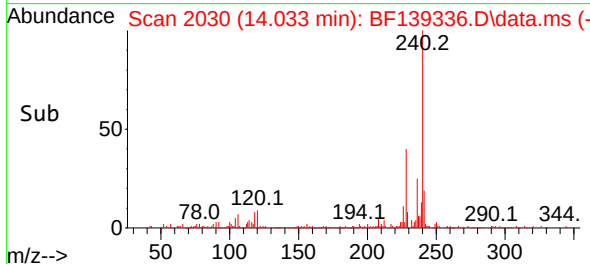
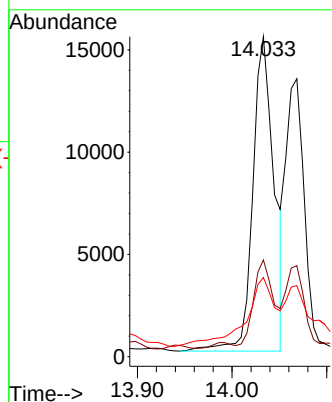
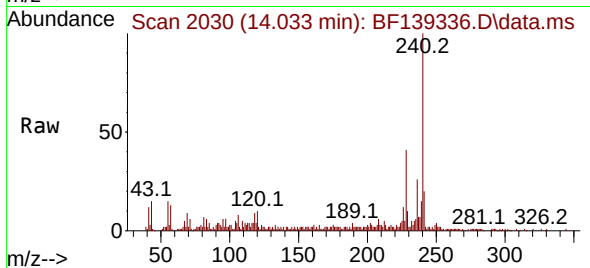
NB-07091024

Tgt Ion:228 Resp: 23969
Ion Ratio Lower Upper
228 100
226 30.2 21.5 32.3
229 24.8 15.6 23.4

Manual Integrations

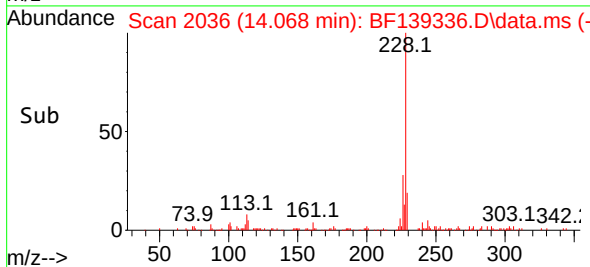
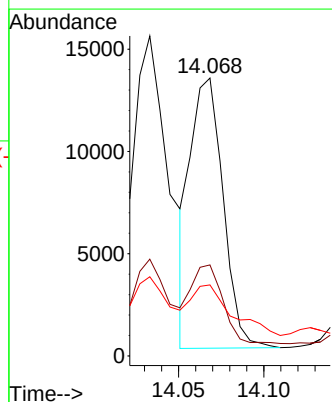
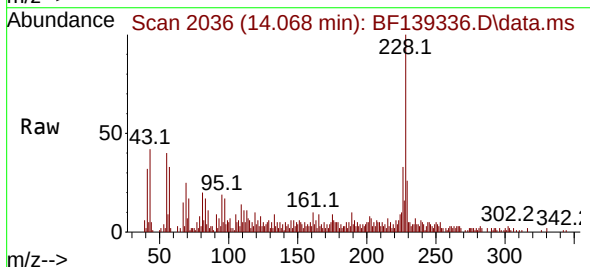
APPROVED

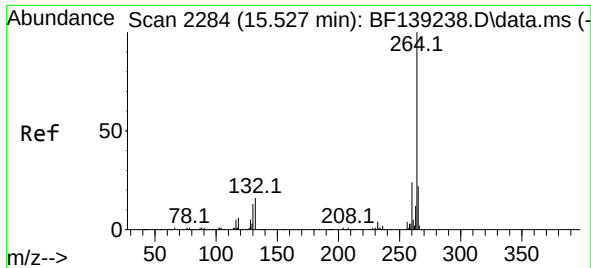
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#83
Chrysene
Concen: 3.510 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:228 Resp: 17679
Ion Ratio Lower Upper
228 100
226 32.7 23.8 35.8
229 25.6 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

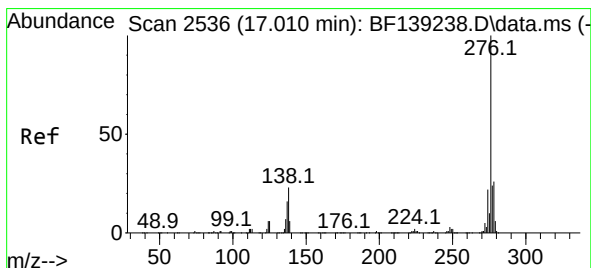
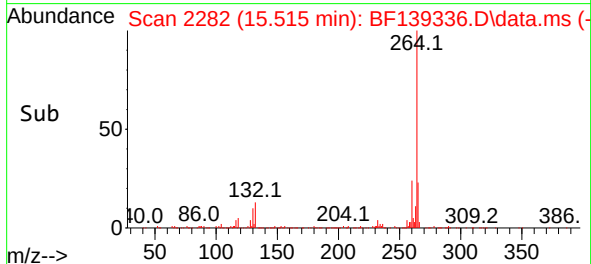
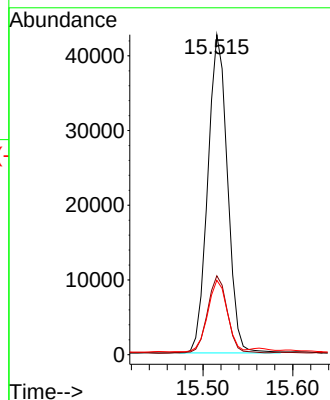
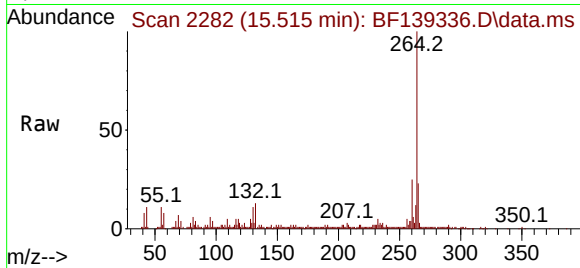
NB-07091024

Tgt Ion:264 Resp: 6498
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 23.3 17.3 25.9

Manual Integrations

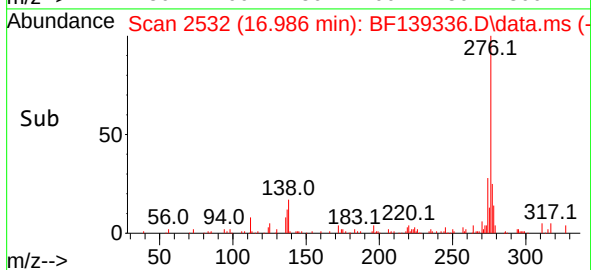
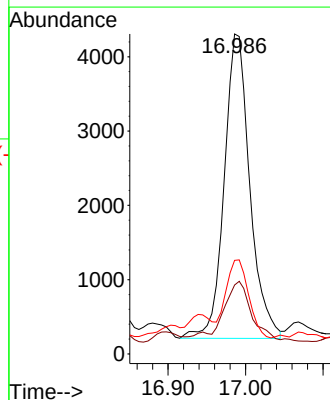
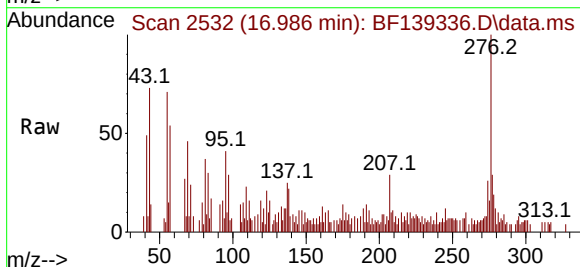
APPROVED

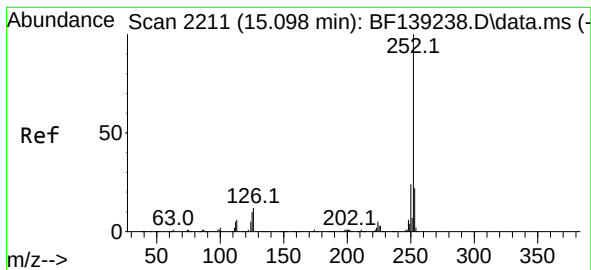
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.327 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.024 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:276 Resp: 9446
Ion Ratio Lower Upper
276 100
138 22.8 20.4 30.6
277 22.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.147 ng m

RT: 15.086 min Scan# 2111

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

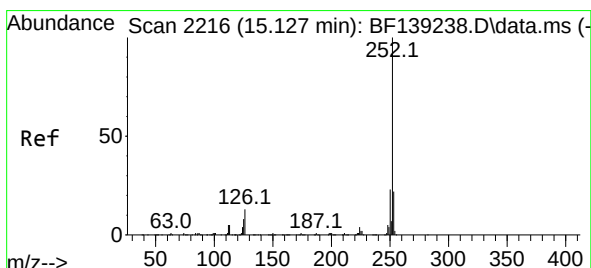
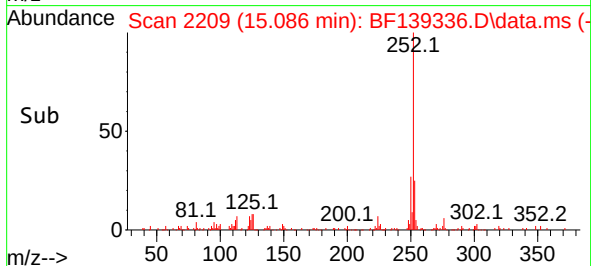
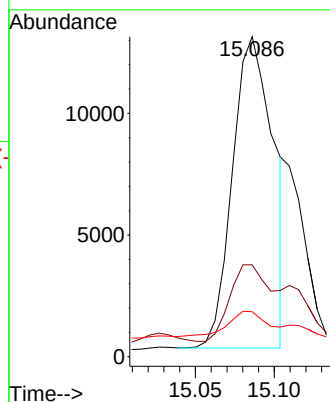
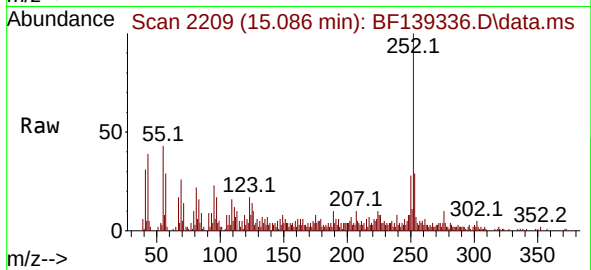
Tgt Ion:252 Resp: 23000

Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.6	26.4
125	14.1	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#89

Benzo(k)fluoranthene

Concen: 2.046 ng m

RT: 15.104 min Scan# 2212

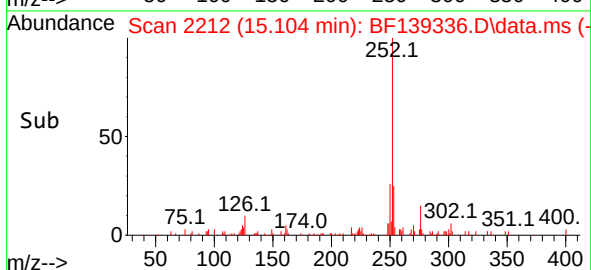
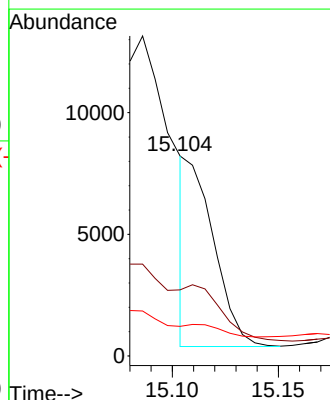
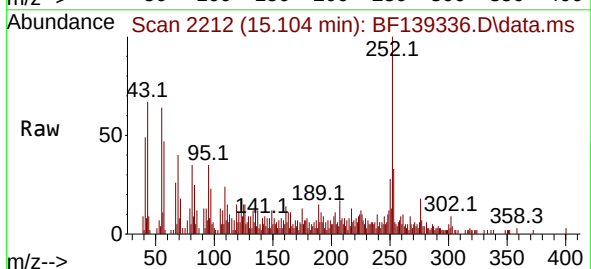
Delta R.T. -0.024 min

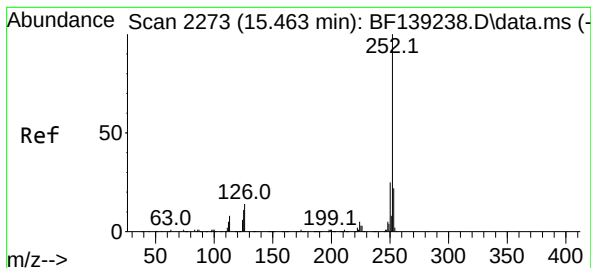
Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Tgt Ion:252 Resp: 6867

Ion	Ratio	Lower	Upper
252	100		
253	33.0	17.6	26.4
125	14.8	7.2	10.8





#90

Benzo(a)pyrene

Concen: 5.074 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

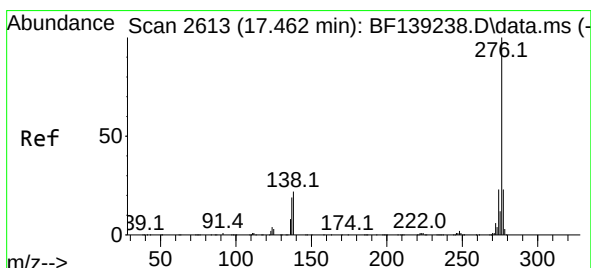
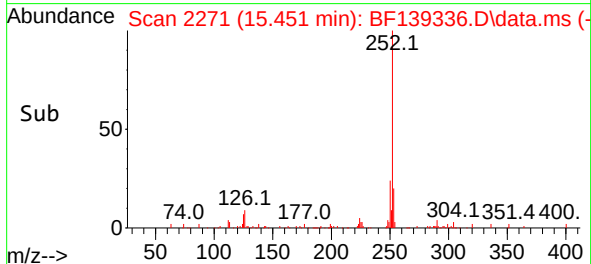
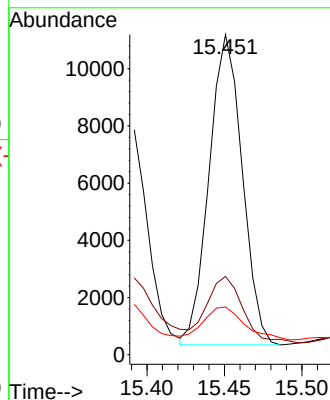
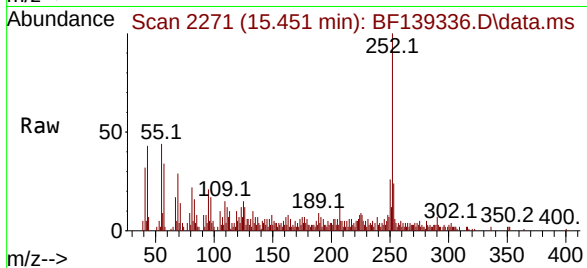
NB-07091024

Tgt Ion:252	Resp:	16124
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.5 26.3
125	14.9	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#92

Benzo(g,h,i)perylene

Concen: 3.005 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.024 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Tgt Ion:276	Resp:	10376
Ion Ratio	Lower	Upper
276	100	
277	25.5	18.6 27.8
138	22.8	17.4 26.0

