

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139501.D
 Acq On : 20 Sep 2024 14:57
 Operator : RC/JU
 Sample : P4126-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-09192024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 20 15:29:10 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	6.875	152	83075	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	300614	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	135928	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	214390	20.000	ng	0.00
76) Chrysene-d12	14.039	240	130672	20.000	ng	0.00
86) Perylene-d12	15.509	264	97548	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	279478	54.881	ng	0.00
7) Phenol-d6	6.504	99	373455	55.872	ng	0.00
23) Nitrobenzene-d5	7.434	82	246091	38.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	65478	45.247	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	418729	43.205	ng	0.00
79) Terphenyl-d14	12.980	244	349398	43.888	ng	0.00
Target Compounds						
						Qvalue
58) Fluorene	10.457	166	21609	2.313	ng	97
71) Phenanthrene	11.422	178	144557	13.976	ng	100
72) Anthracene	11.474	178	36000	3.560	ng	100
75) Fluoranthene	12.610	202	178897	16.196	ng	99
78) Pyrene	12.839	202	182242	16.243	ng	98
81) Benzo(a)anthracene	14.027	228	67796	7.833	ng	95
83) Chrysene	14.063	228	53838	6.761	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	20761	3.579	ng	94
88) Benzo(b)fluoranthene	15.080	252	45502m	7.563	ng	
89) Benzo(k)fluoranthene	15.092	252	20505m	3.697	ng	
90) Benzo(a)pyrene	15.445	252	36079	7.231	ng	# 95
92) Benzo(g,h,i)perylene	17.427	276	20105	4.236	ng	# 95

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

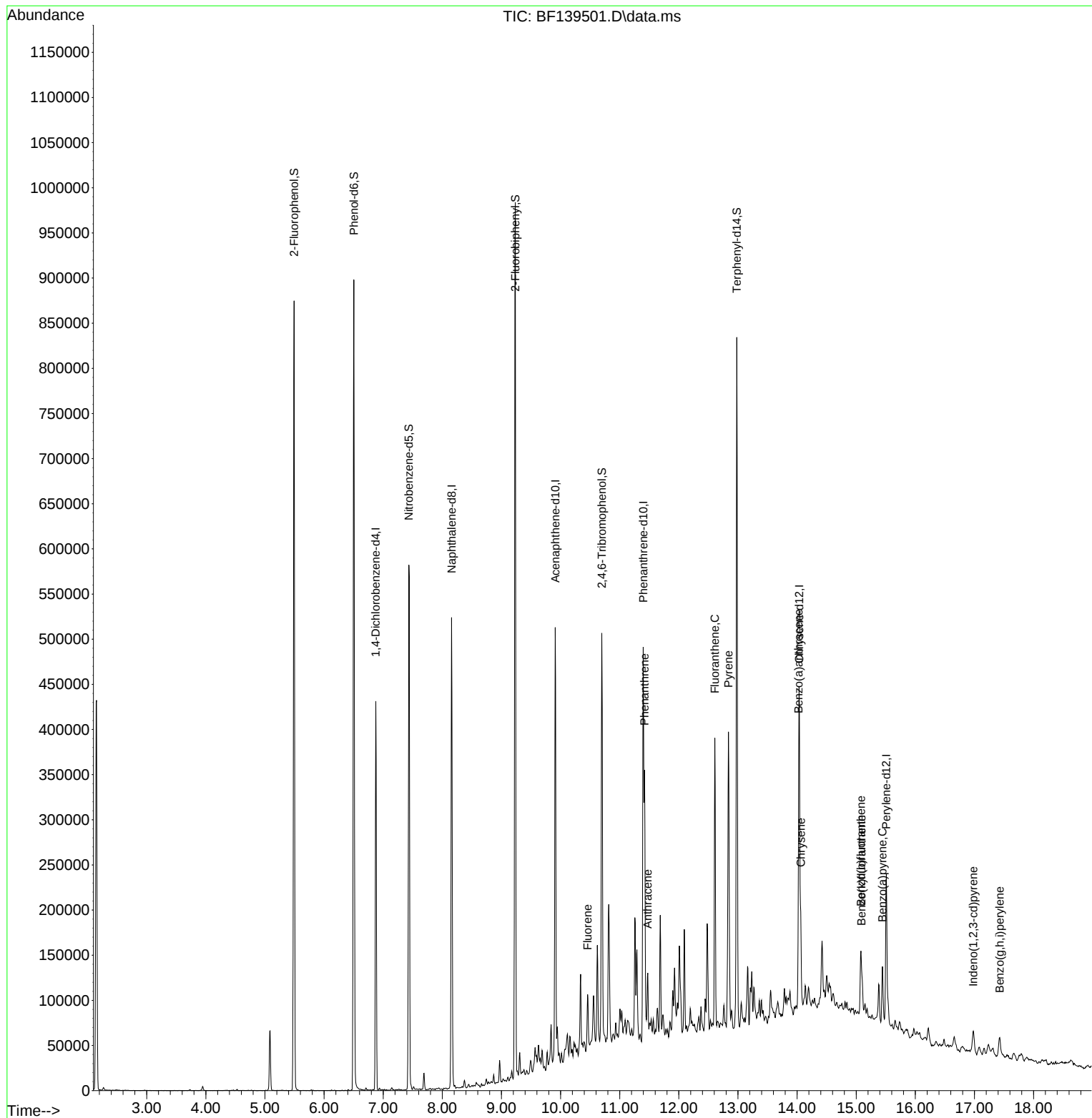
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
Data File : BF139501.D
Acq On : 20 Sep 2024 14:57
Operator : RC/JU
Sample : P4126-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

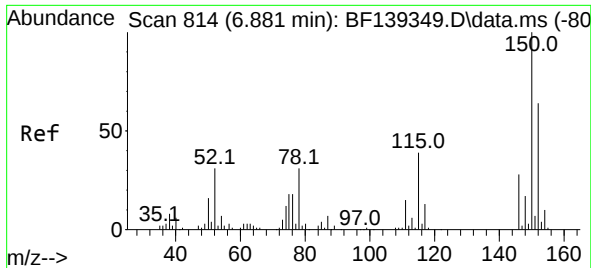
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

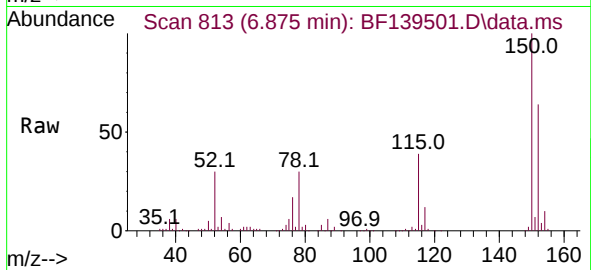
Quant Time: Sep 20 15:29:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

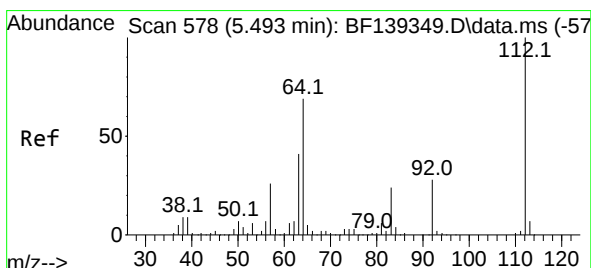
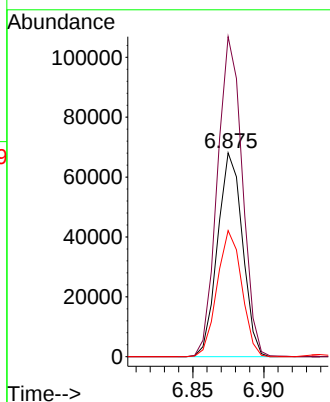
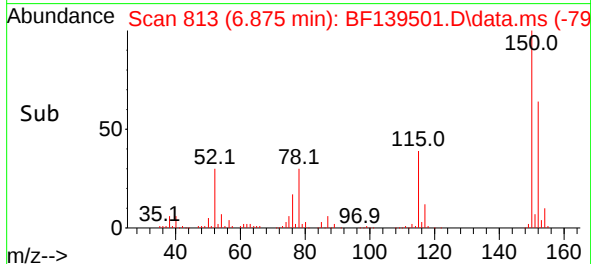
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024



Tgt Ion:152 Resp: 83075
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 61.9 48.1 72.1

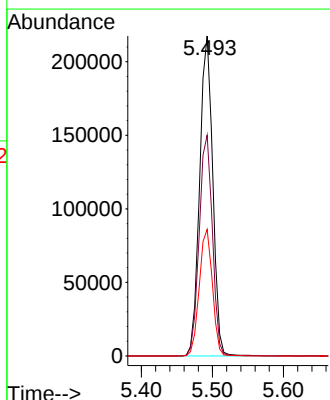
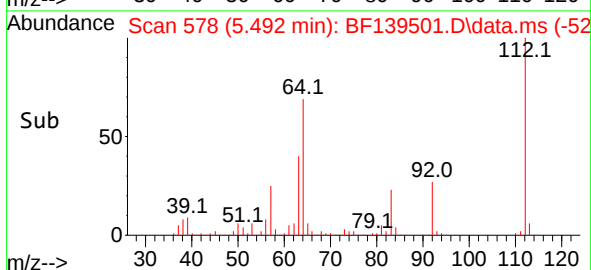
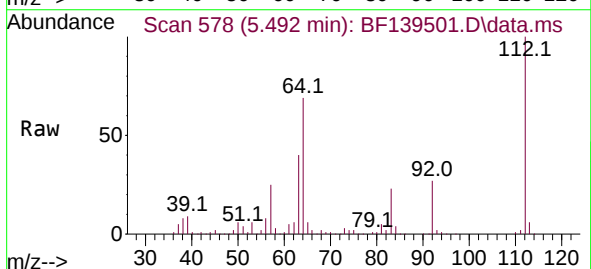
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#5
2-Fluorophenol
Concen: 54.881 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.001 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion:112 Resp: 279478
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 39.5 33.0 49.4





#7

Phenol-d6

Concen: 55.872 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139501.D

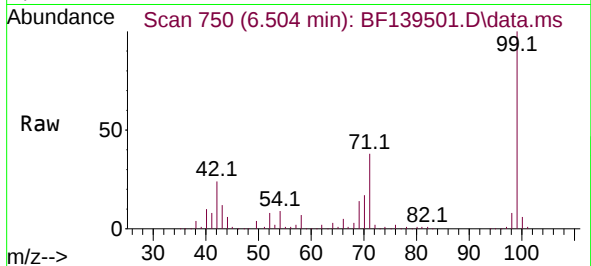
Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024



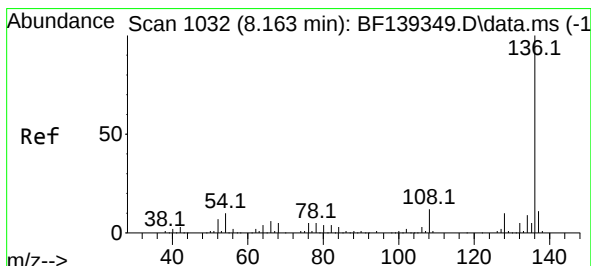
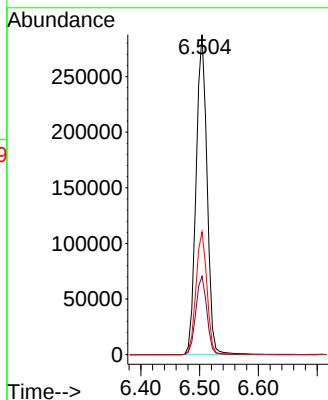
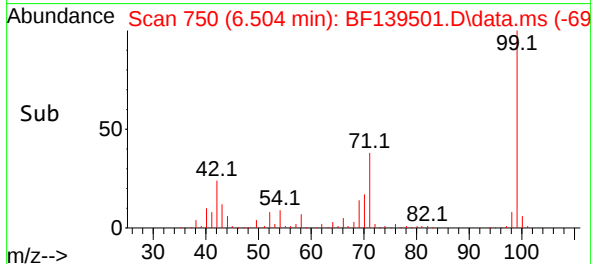
Tgt Ion: 99 Resp: 37345

Ion	Ratio	Lower	Upper
99	100		
42	24.5	21.9	32.9
71	38.4	34.6	52.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

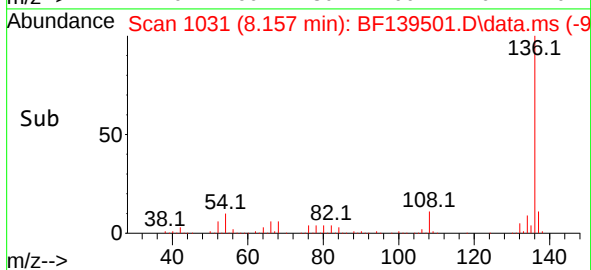
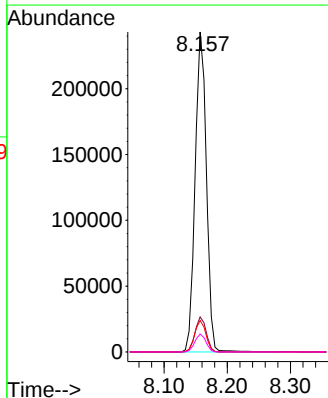
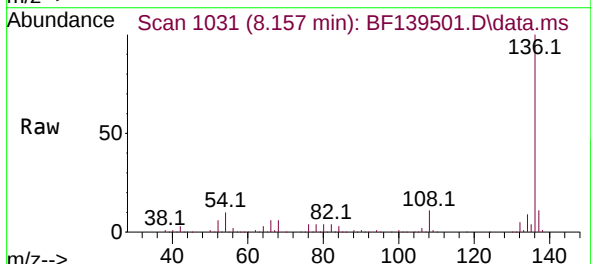
Delta R.T. -0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Tgt Ion:136 Resp: 300614

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.9	7.8	11.8
68	5.6	3.6	5.4





#23

Nitrobenzene-d5

Concen: 38.485 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139501.D

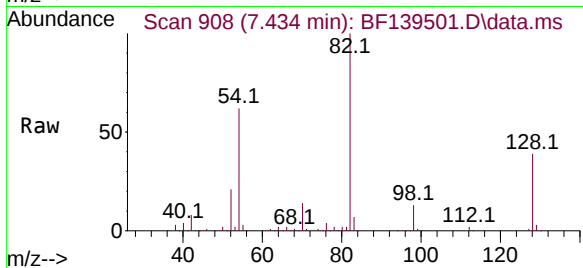
Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024



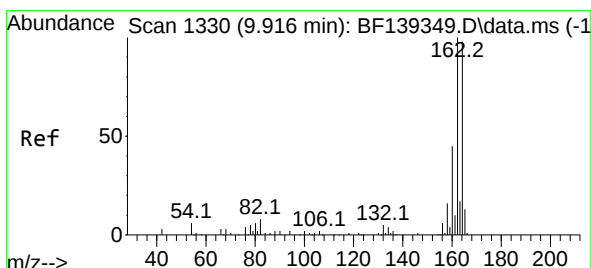
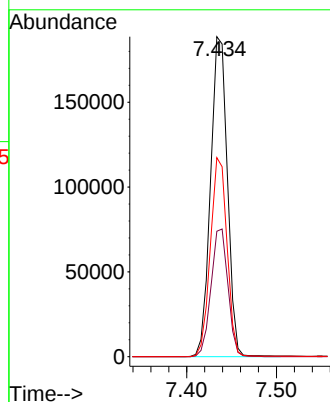
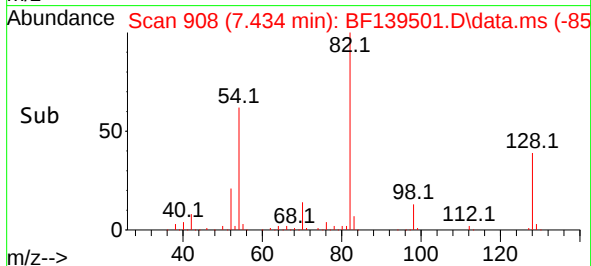
Tgt Ion: 82 Resp: 24609

Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.8	47.6
54	62.2	50.6	75.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#39

Acenaphthene-d10

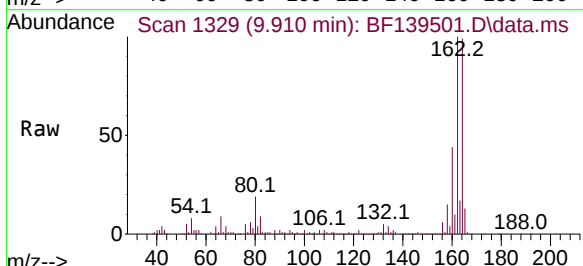
Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

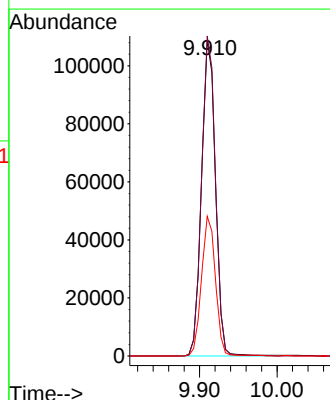
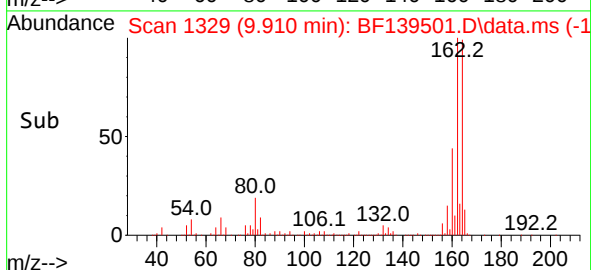
Lab File: BF139501.D

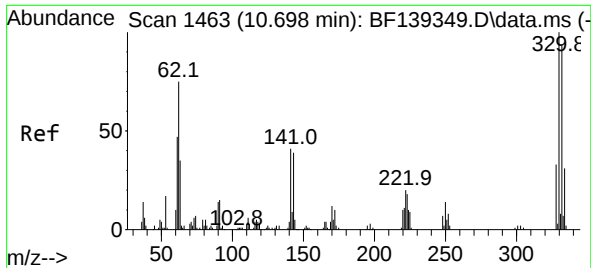
Acq: 20 Sep 2024 14:57



Tgt Ion:164 Resp: 135928

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	44.2	36.4	54.6





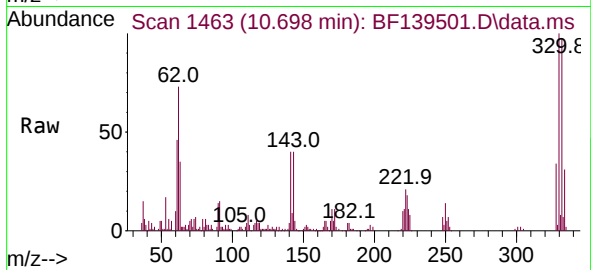
#42
2,4,6-Tribromophenol
Concen: 45.247 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

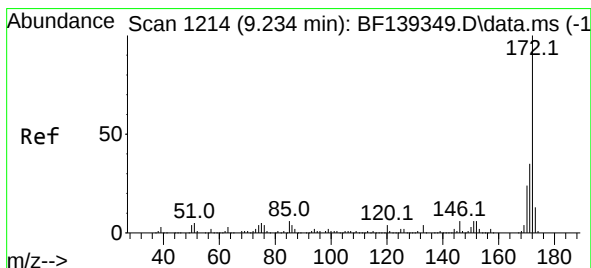
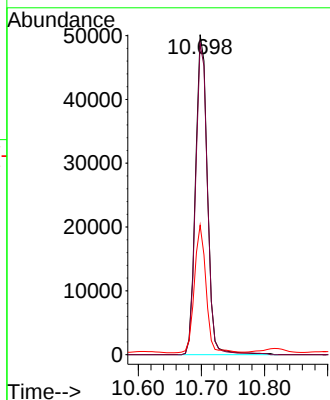
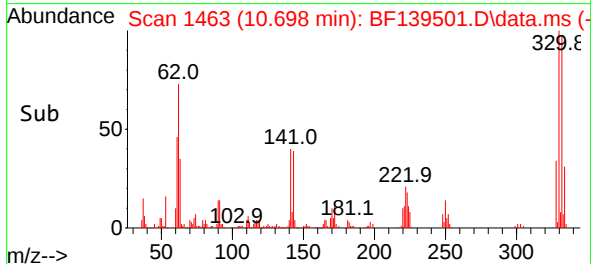


Tgt Ion: 330 Resp: 65478
Ion Ratio Lower Upper
330 100
332 96.2 75.2 112.8
141 38.9 31.2 46.8

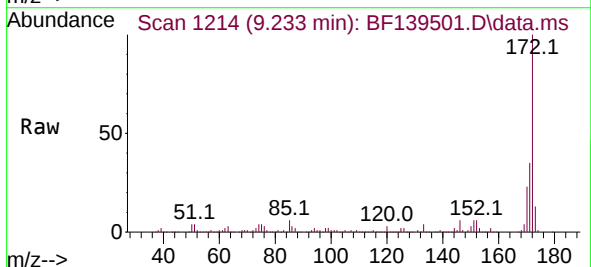
Manual Integrations

APPROVED

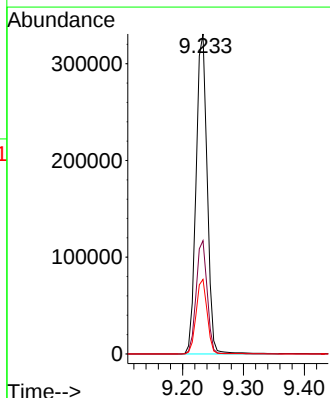
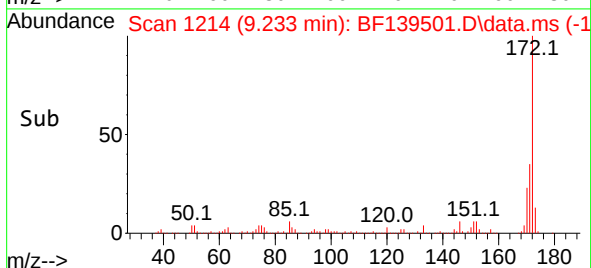
Reviewed By : Jagrut Upadhyay 09/20/2024
Supervised By : mohammad ahmed 09/22/2024

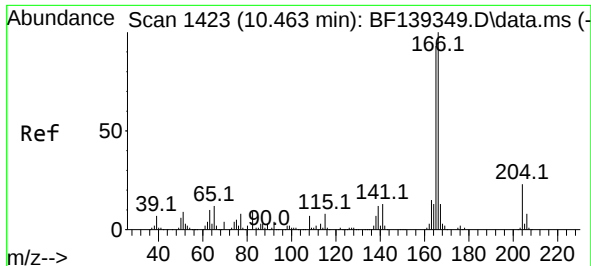


#45
2-Fluorobiphenyl
Concen: 43.205 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57



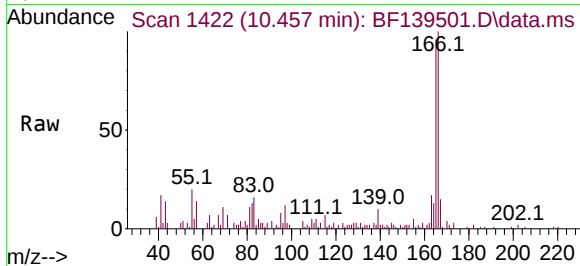
Tgt Ion: 172 Resp: 418729
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.3 19.0 28.6





#58
Fluorene
Concen: 2.313 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

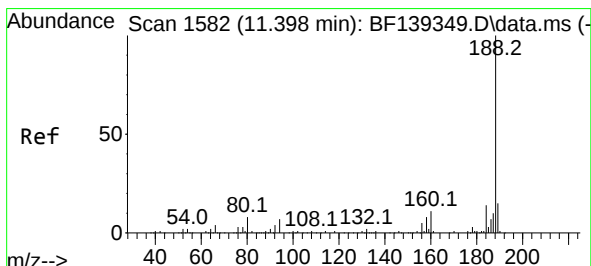
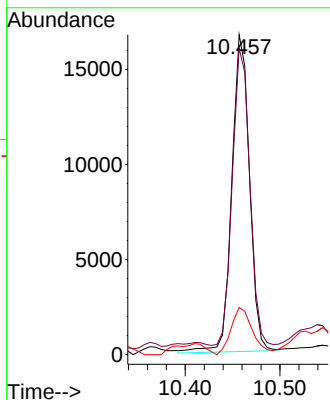
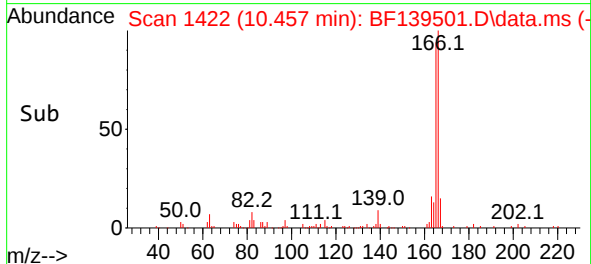
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024



Tgt Ion:166 Resp: 21609
Ion Ratio Lower Upper
166 100
165 95.7 74.5 111.7
167 14.7 10.6 16.0

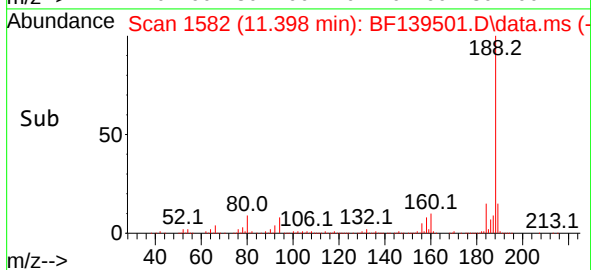
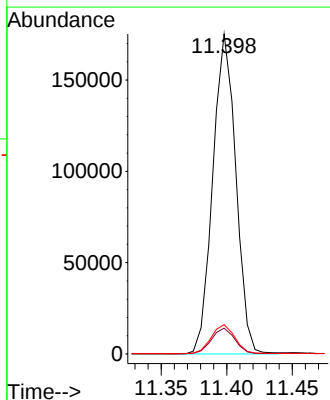
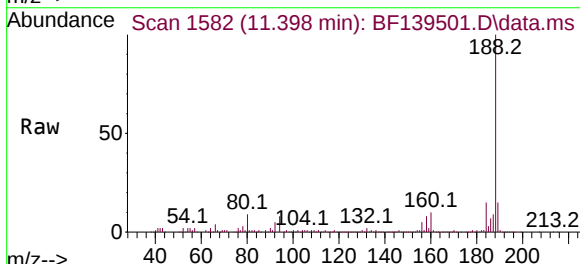
Manual Integrations
APPROVED

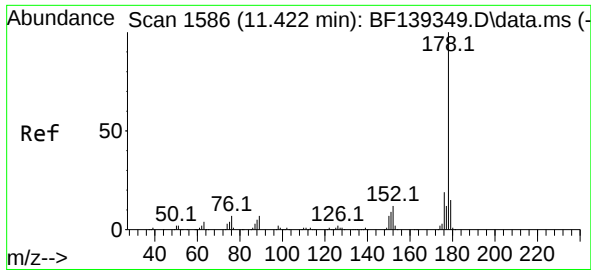
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

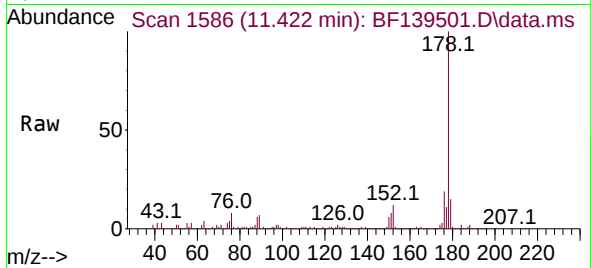
Tgt Ion:188 Resp: 214390
Ion Ratio Lower Upper
188 100
94 8.1 5.5 8.3
80 9.1 6.6 9.8





#71
Phenanthrene
Concen: 13.976 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

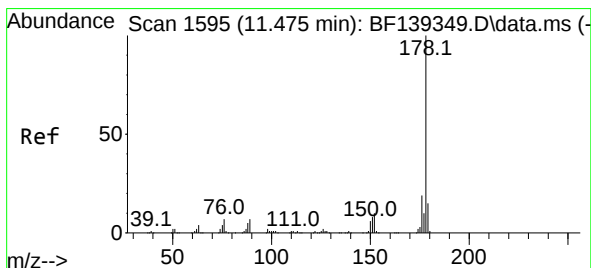
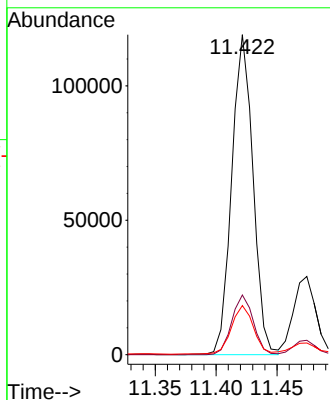
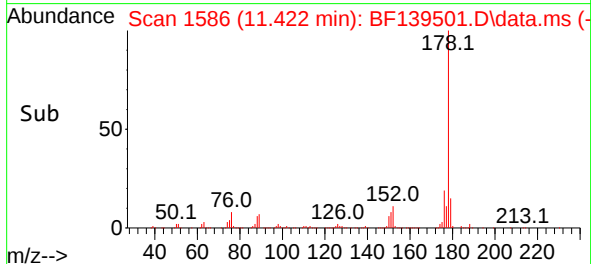
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024



Tgt Ion:178 Resp: 14455
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.3 12.2 18.4

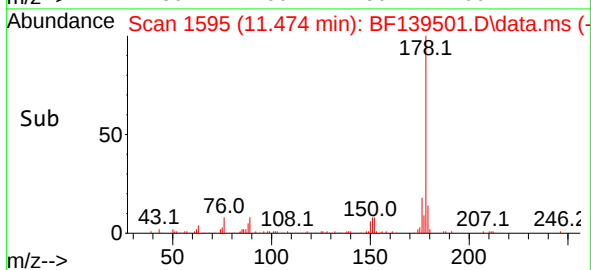
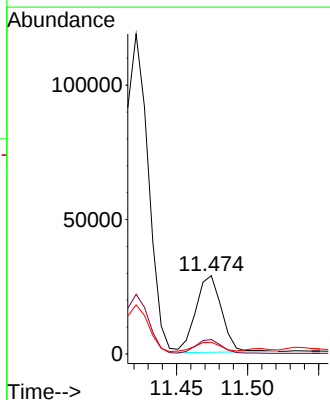
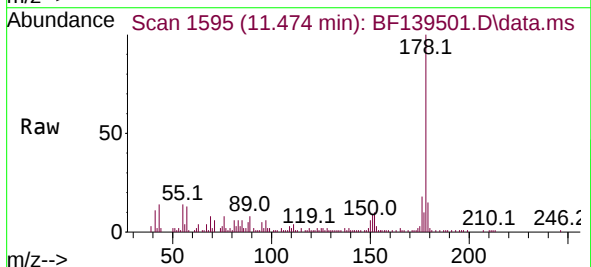
Manual Integrations
APPROVED

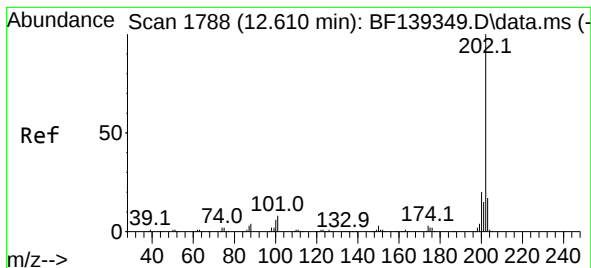
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#72
Anthracene
Concen: 3.560 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

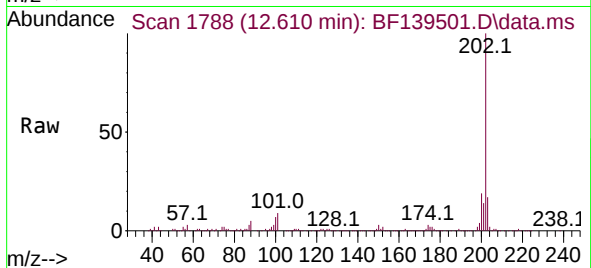
Tgt Ion:178 Resp: 36000
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.0 12.0 18.0





#75
Fluoranthene
Concen: 16.196 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

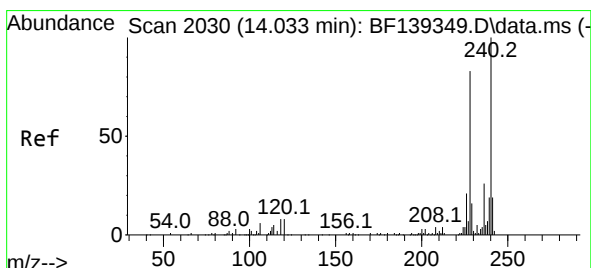
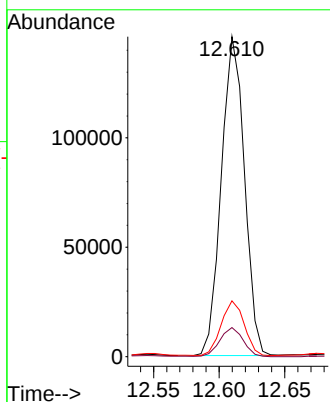
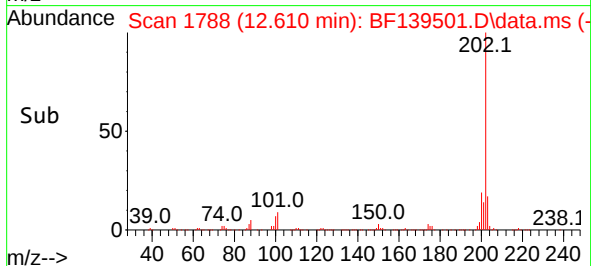
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024



Tgt Ion:202 Resp: 17889
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.7
203 17.4 0.0 37.4

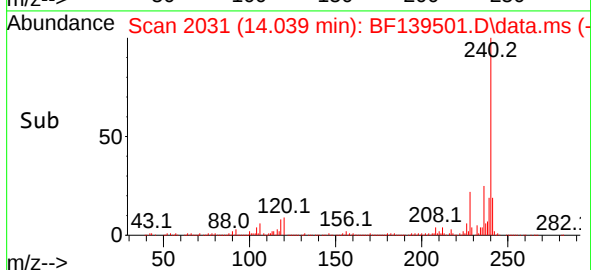
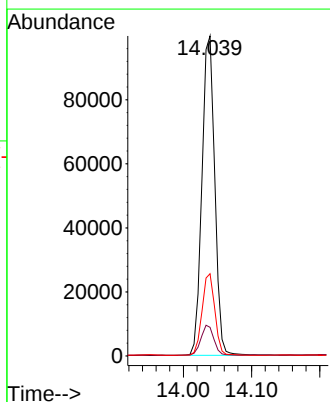
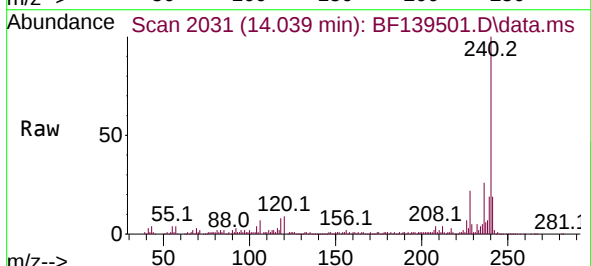
Manual Integrations
APPROVED

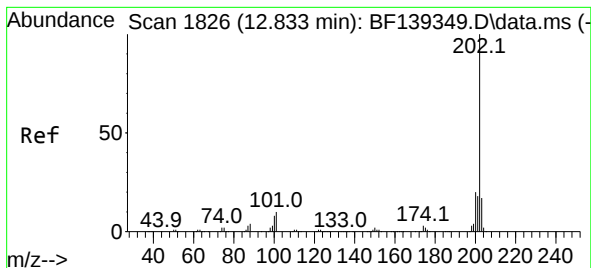
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion:240 Resp: 130672
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.2
236 25.7 20.9 31.3





#78

Pyrene

Concen: 16.243 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

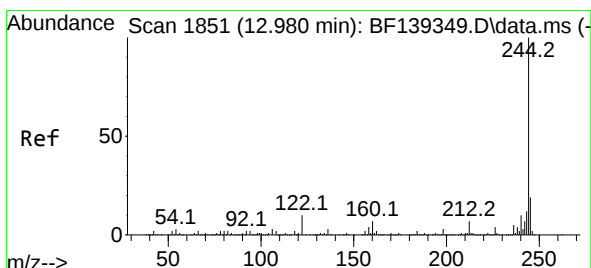
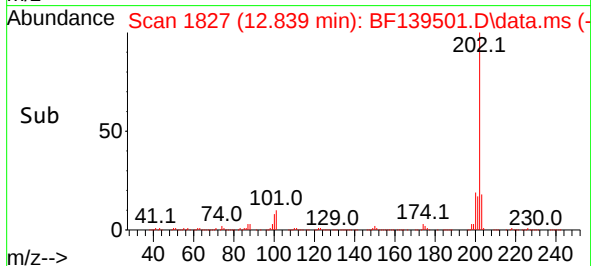
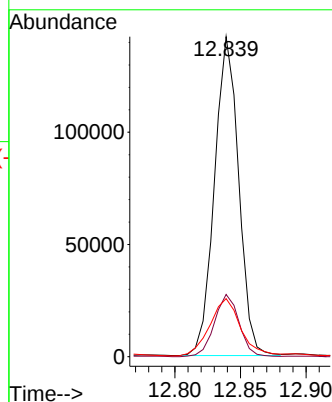
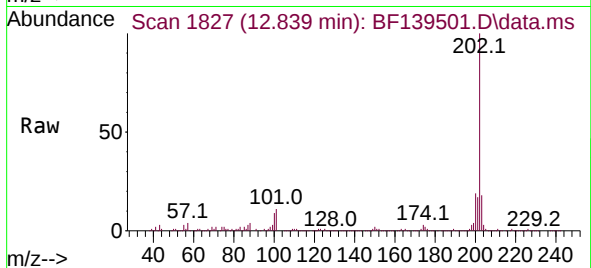
Tgt Ion:202 Resp: 18224

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.2	24.2
203	18.1	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#79

Terphenyl-d14

Concen: 43.888 ng

RT: 12.980 min Scan# 1851

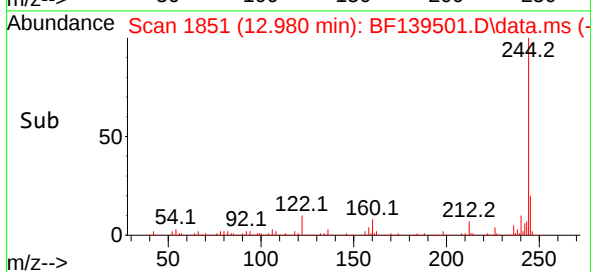
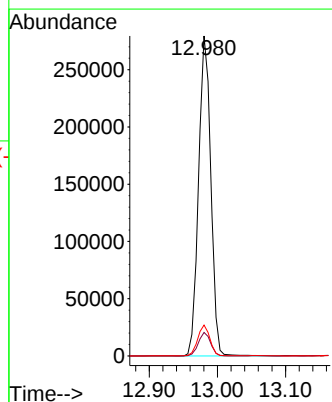
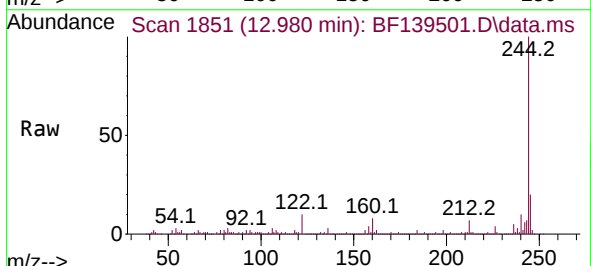
Delta R.T. -0.000 min

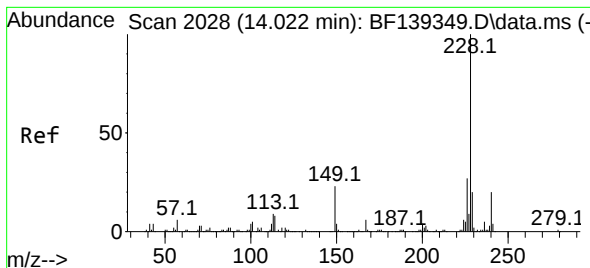
Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Tgt Ion:244 Resp: 349398

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.6	7.6	11.4





#81

Benzo(a)anthracene

Concen: 7.833 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

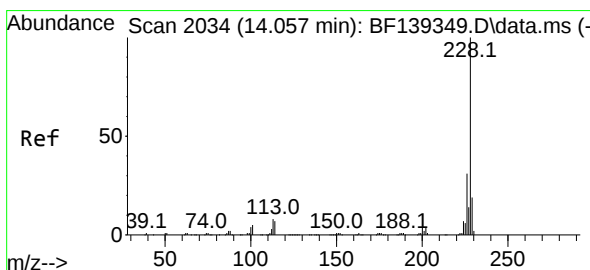
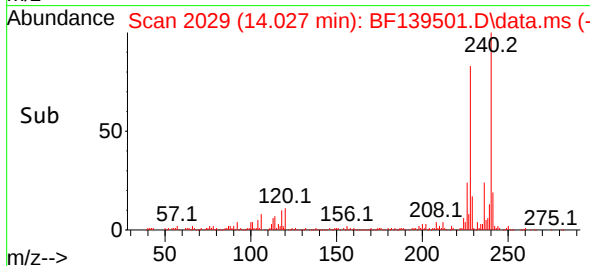
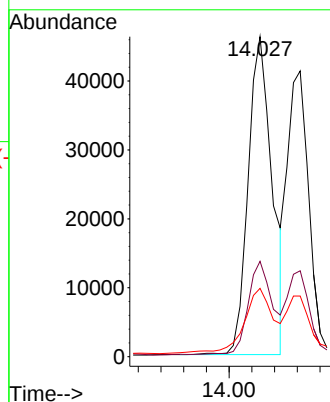
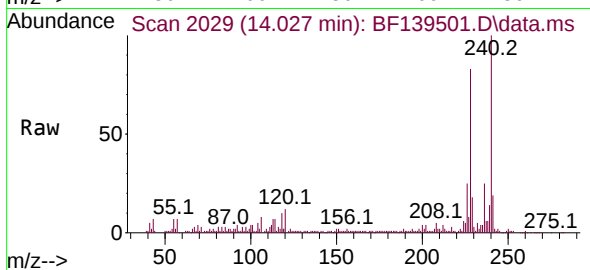
NB-08-09192024

Tgt Ion:	228	Resp:	67790
Ion Ratio	Lower	Upper	
228	100		
226	29.8	21.6	32.4
229	21.3	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#83

Chrysene

Concen: 6.761 ng

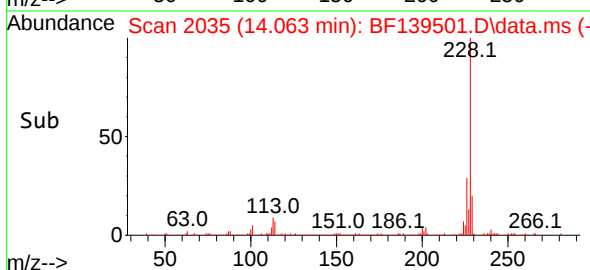
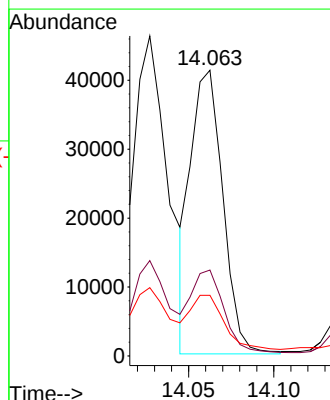
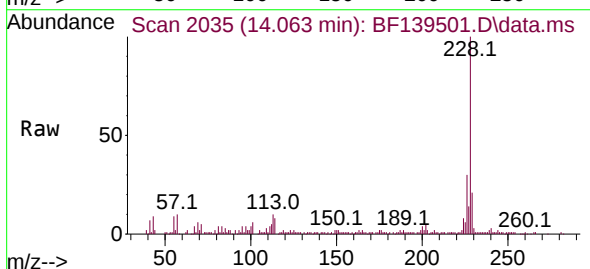
RT: 14.063 min Scan# 2035

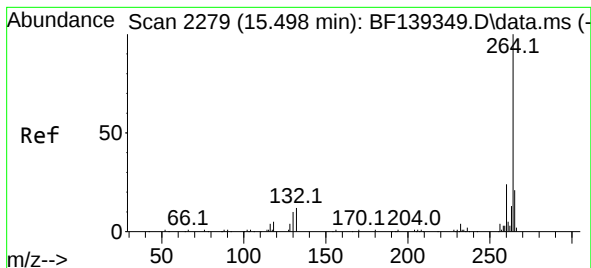
Delta R.T. 0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Tgt Ion:	228	Resp:	53838
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.1	36.1
229	21.2	15.4	23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

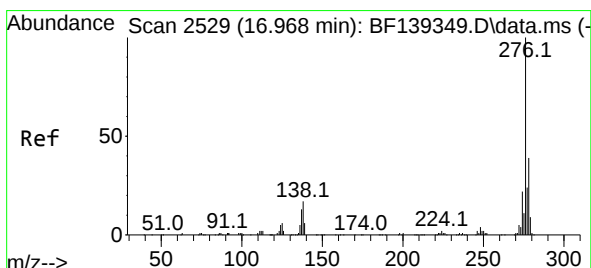
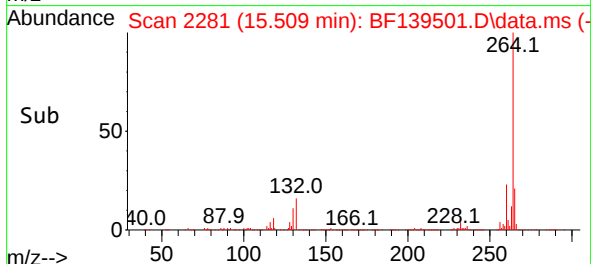
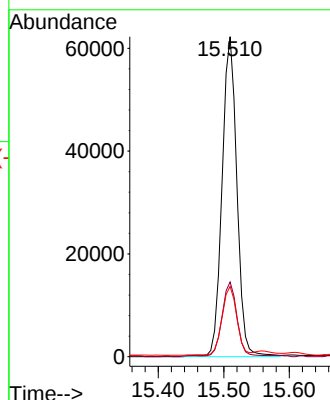
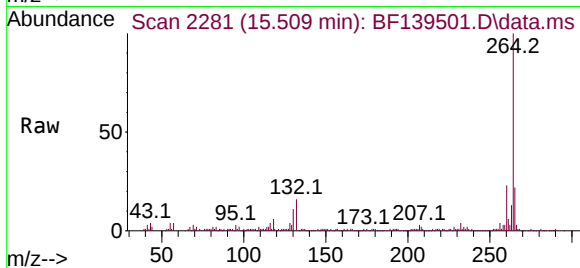
NB-08-09192024

Tgt Ion:	264	Resp:	9754
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.5	29.3
265	21.9	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.579 ng

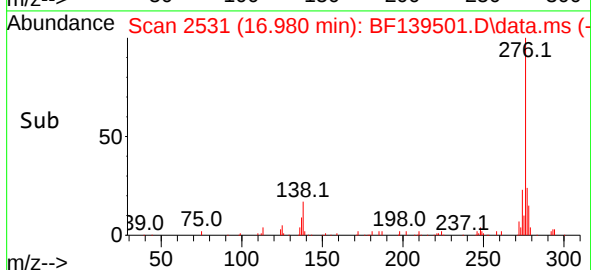
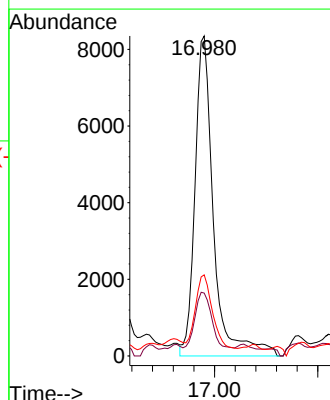
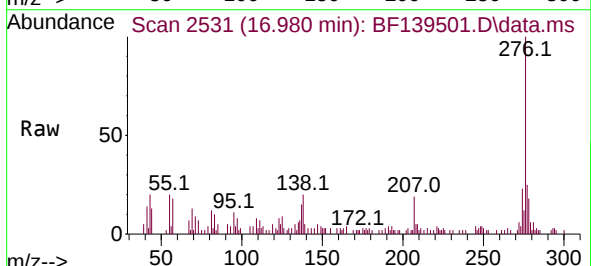
RT: 16.980 min Scan# 2531

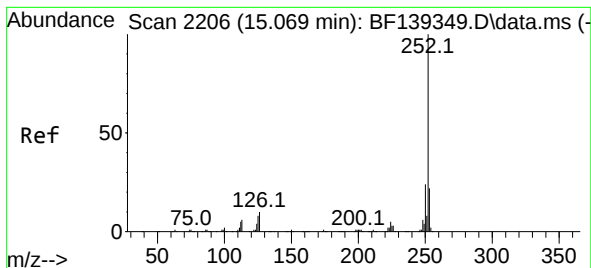
Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Tgt Ion:	276	Resp:	20761
Ion Ratio	Lower	Upper	
276	100		
138	17.4	15.4	23.2
277	21.6	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 7.563 ng m

RT: 15.080 min Scan# 2110

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

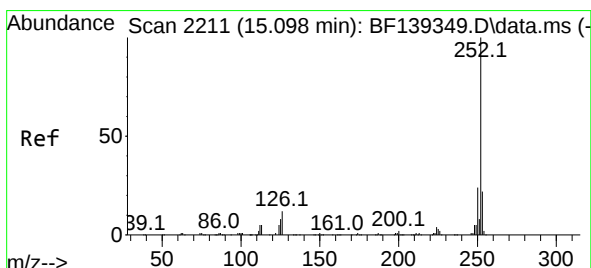
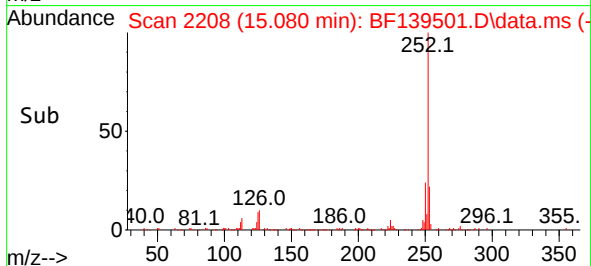
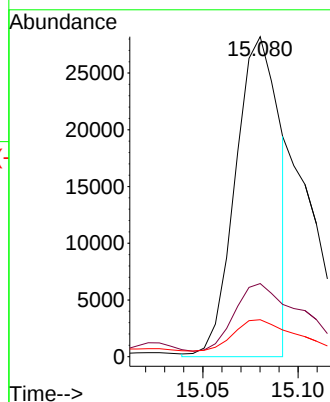
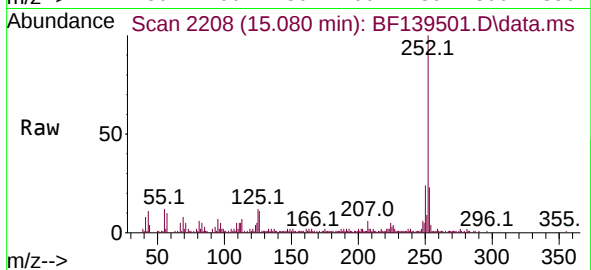
NB-08-09192024

Tgt Ion:252 Resp: 4550
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 11.5 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024



#89

Benzo(k)fluoranthene

Concen: 3.697 ng m

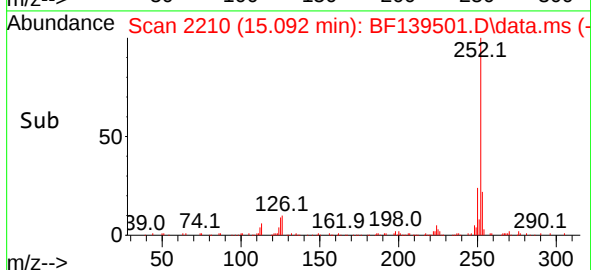
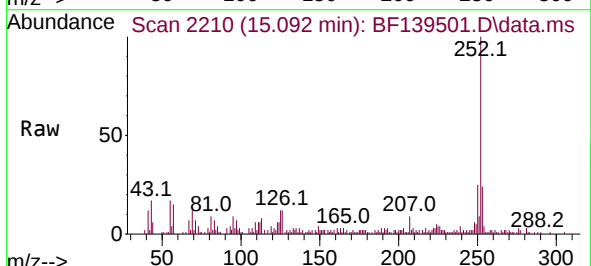
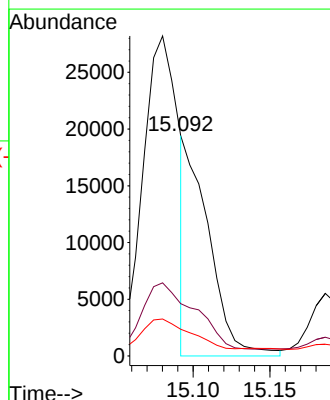
RT: 15.092 min Scan# 2210

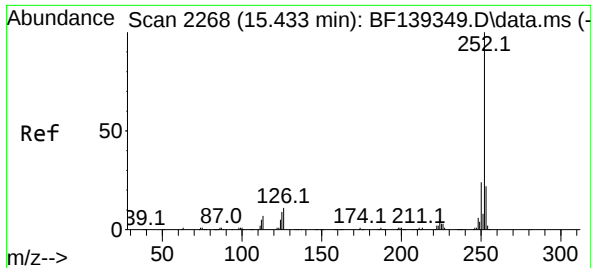
Delta R.T. -0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

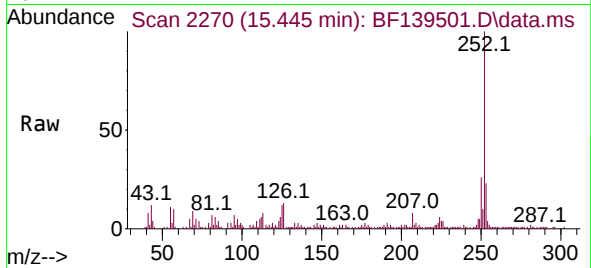
Tgt Ion:252 Resp: 20505
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.3 25.9
 125 12.2 5.9 8.9





#90
Benzo(a)pyrene
Concen: 7.231 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

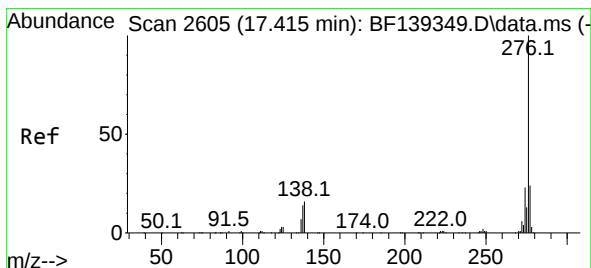
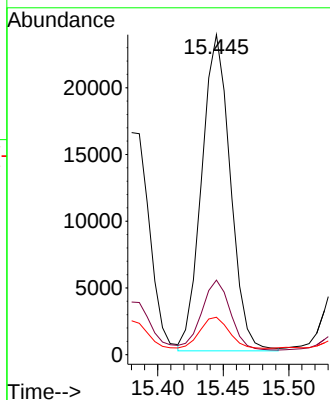
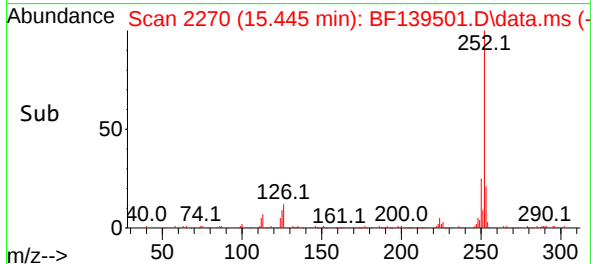
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024



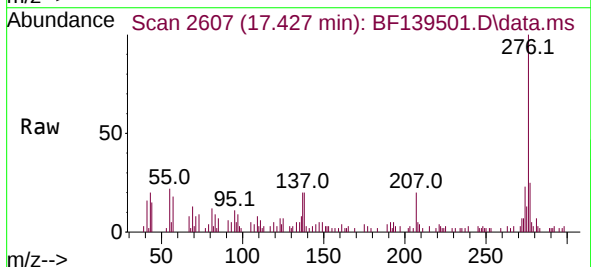
Tgt Ion:252 Resp: 36079
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 11.7 6.8 10.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#92
Benzo(g,h,i)perylene
Concen: 4.236 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57



Tgt Ion:276 Resp: 20105
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 20.0 13.0 19.6

