

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139439.D
 Acq On : 18 Sep 2024 21:41
 Operator : RC/JU
 Sample : P4087-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-01

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 19 01:30:19 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	6.881	152	60235	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	211033	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	95135	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	153467	20.000	ng	0.00
76) Chrysene-d12	14.033	240	103029	20.000	ng	0.00
86) Perylene-d12	15.498	264	78617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	266615	72.207	ng	0.00
7) Phenol-d6	6.504	99	363094	74.919	ng	0.00
23) Nitrobenzene-d5	7.440	82	242387	53.996	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	64758	63.938	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	414788	61.150	ng	0.00
79) Terphenyl-d14	12.980	244	341664	54.432	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	18429	2.489	ng	98
75) Fluoranthene	12.604	202	59317	7.502	ng	99
78) Pyrene	12.833	202	56023	6.333	ng	98
81) Benzo(a)anthracene	14.021	228	27377m	4.012	ng	
83) Chrysene	14.057	228	26431	4.210	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	10260	2.195	ng	97
88) Benzo(b)fluoranthene	15.074	252	28431m	5.864	ng	
89) Benzo(k)fluoranthene	15.086	252	11530m	2.579	ng	
90) Benzo(a)pyrene	15.433	252	17939	4.461	ng	# 94
92) Benzo(g,h,i)perylene	17.409	276	11390	2.978	ng	# 95

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

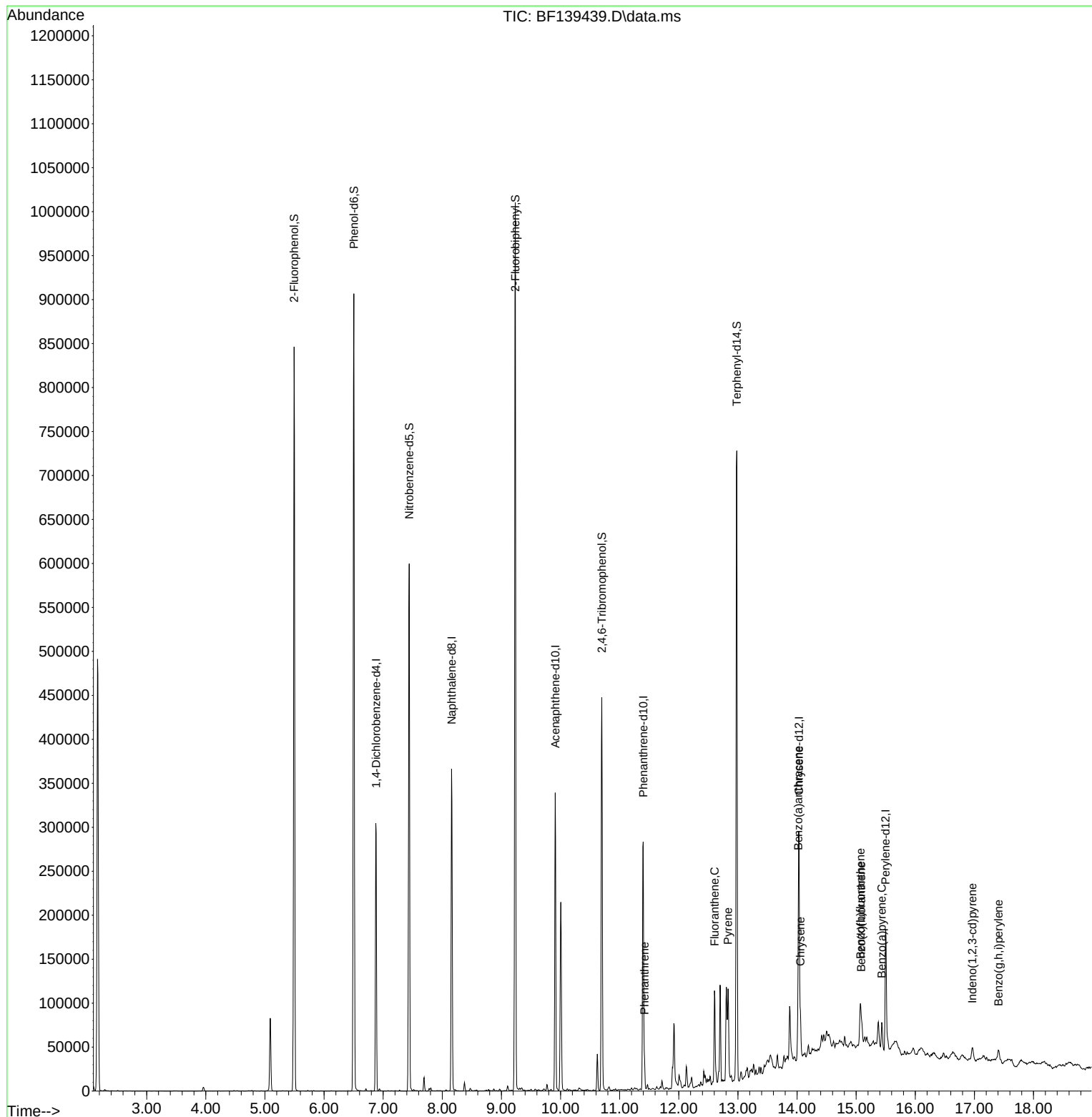
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139439.D
Acq On : 18 Sep 2024 21:41
Operator : RC/JU
Sample : P4087-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

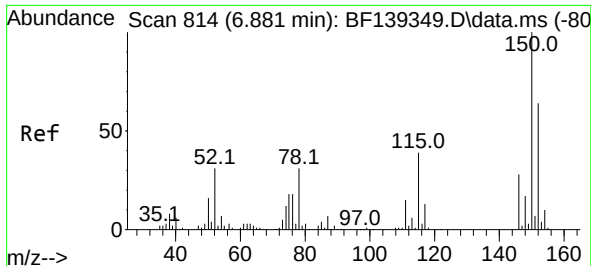
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01

Quant Time: Sep 19 01:30:19 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
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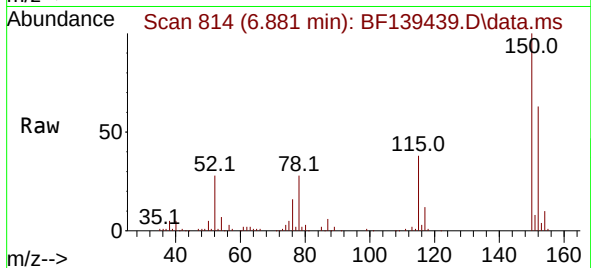
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

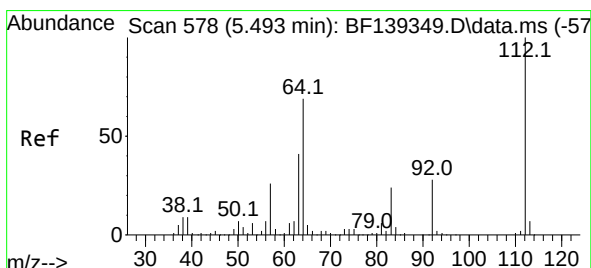
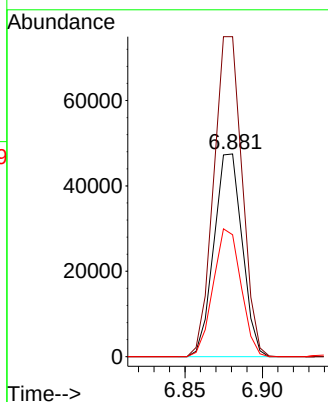
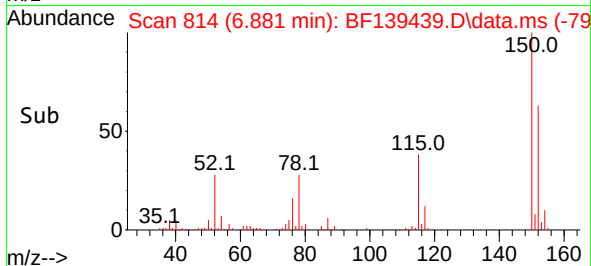
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion:152 Resp: 60235
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 60.2 48.1 72.1

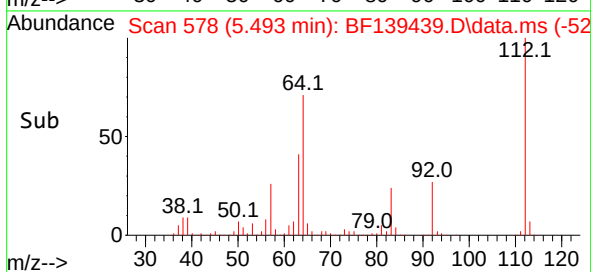
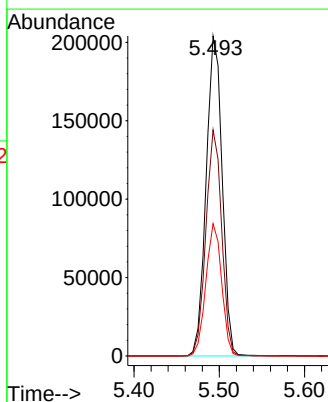
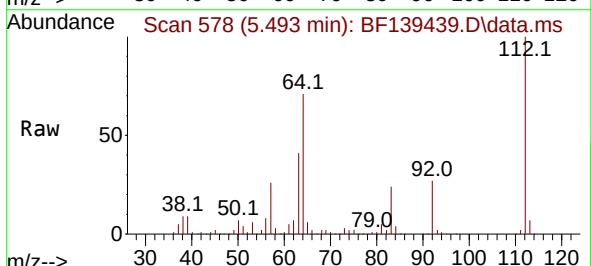
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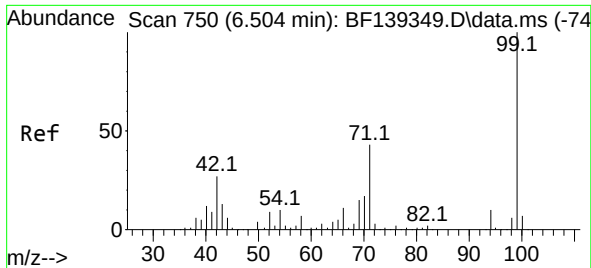
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#5
2-Fluorophenol
Concen: 72.207 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

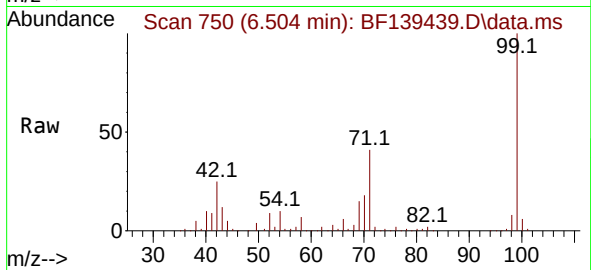
Tgt Ion:112 Resp: 266615
Ion Ratio Lower Upper
112 100
64 70.6 54.8 82.2
63 41.4 33.0 49.4





#7
Phenol-d6
Concen: 74.919 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

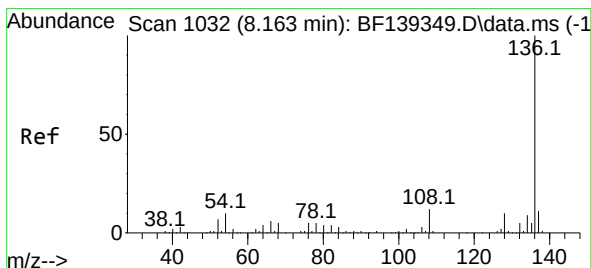
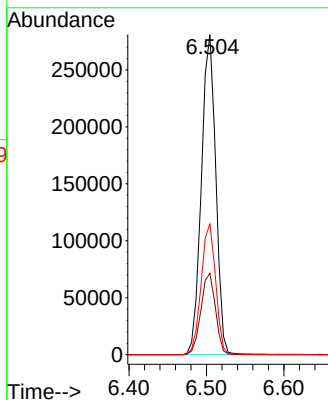
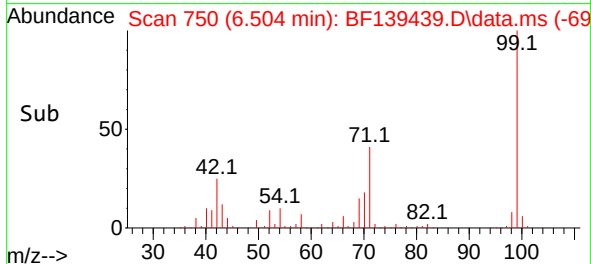
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion: 99 Resp: 363094
Ion Ratio Lower Upper
99 100
42 25.4 21.9 32.9
71 40.8 34.6 52.0

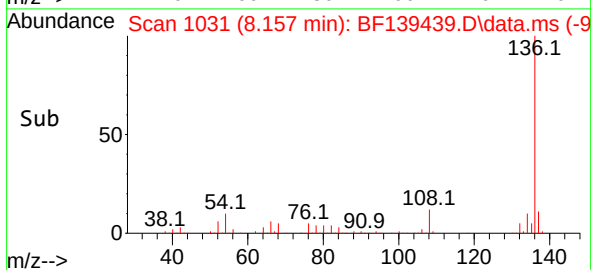
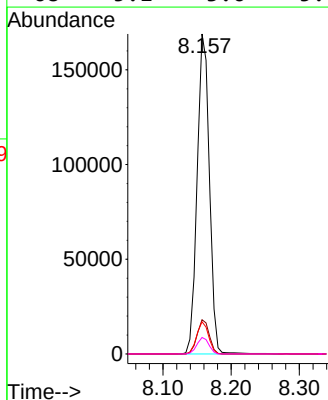
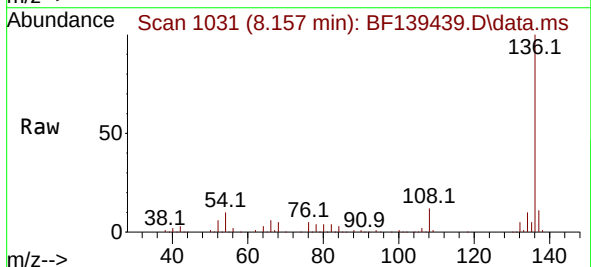
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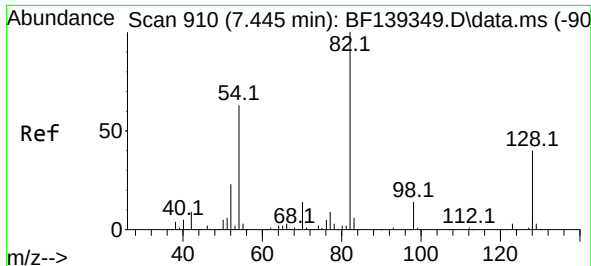
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:136 Resp: 211033
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.0 7.8 11.8
68 5.1 3.6 5.4





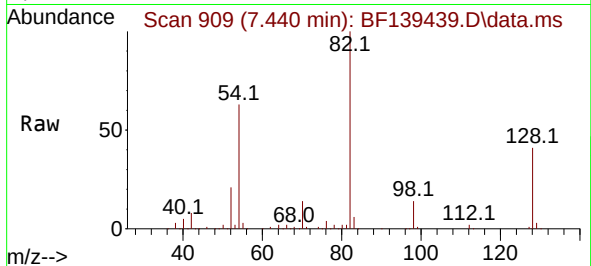
#23
Nitrobenzene-d5
Concen: 53.996 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-01

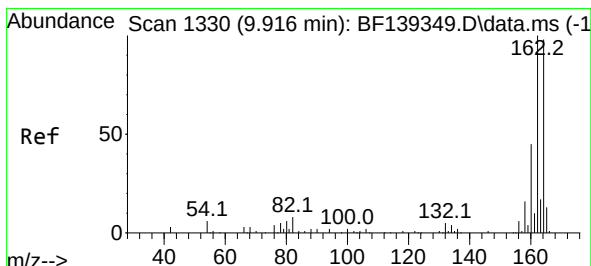
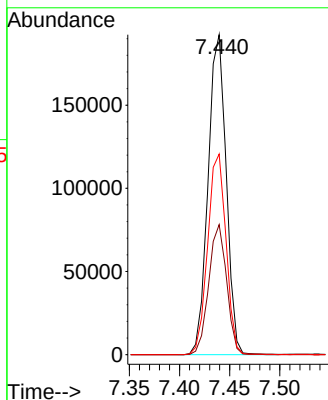
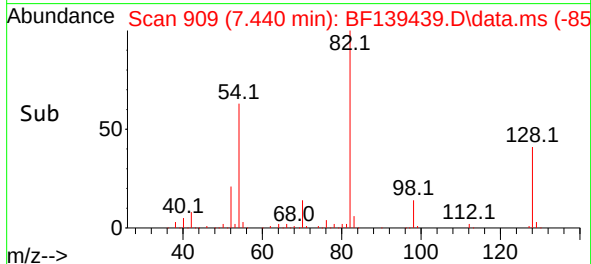


Tgt Ion: 82 Resp: 24238
Ion Ratio Lower Upper
82 100
128 40.6 31.8 47.6
54 62.7 50.6 75.8

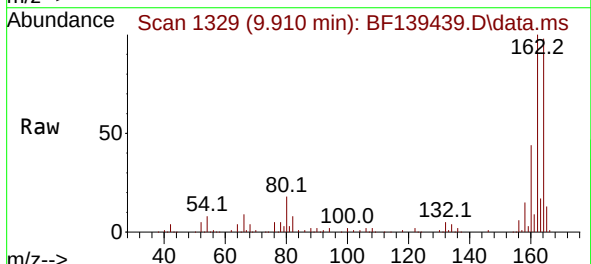
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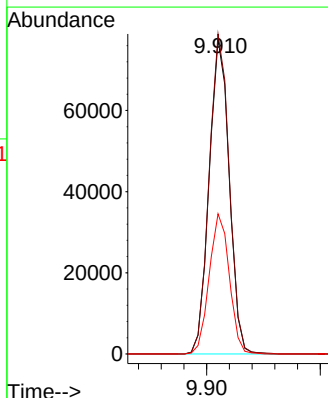
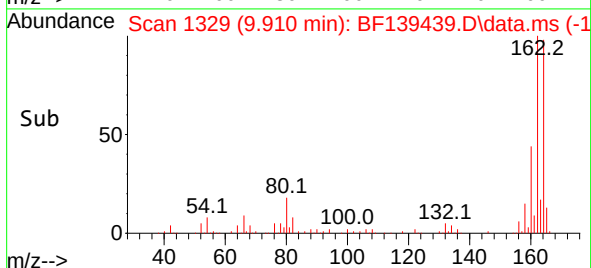
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

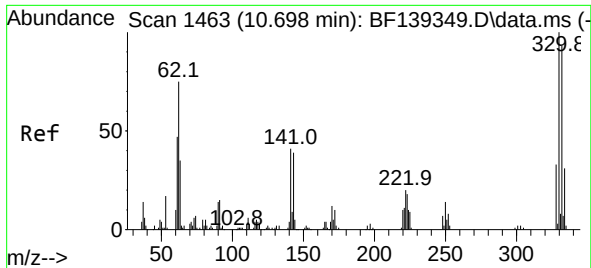


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41



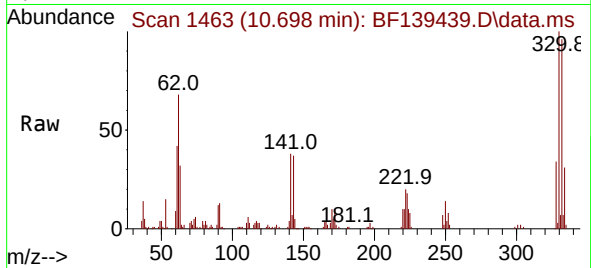
Tgt Ion:164 Resp: 95135
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.6 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 63.938 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

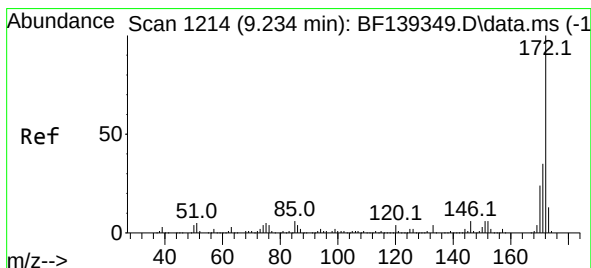
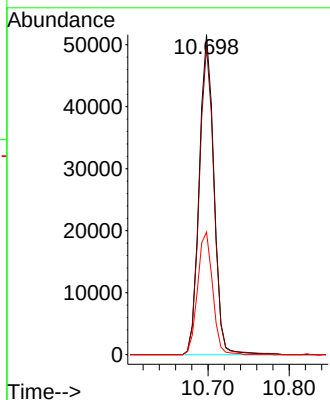
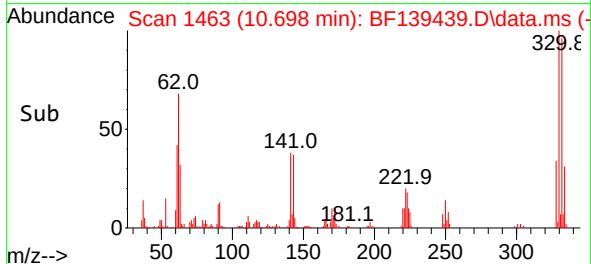
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion: 330 Resp: 64758
Ion Ratio Lower Upper
330 100
332 96.6 75.2 112.8
141 39.2 31.2 46.8

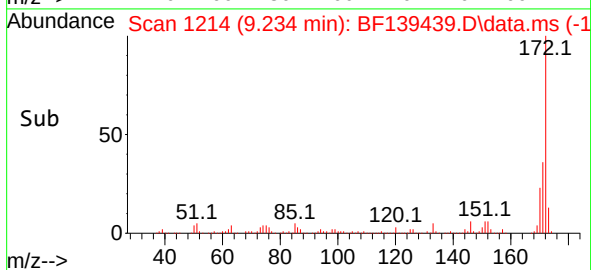
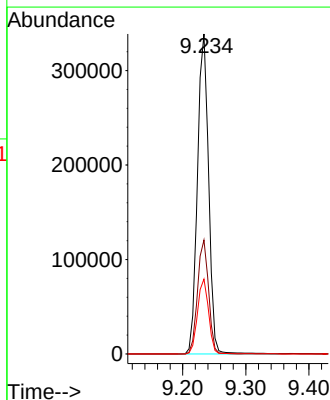
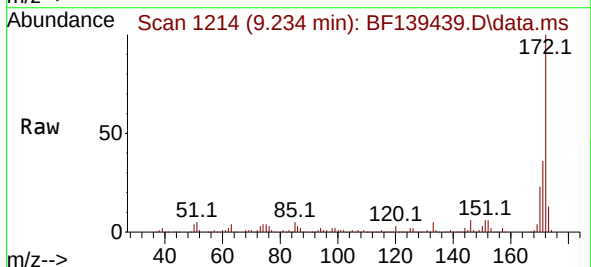
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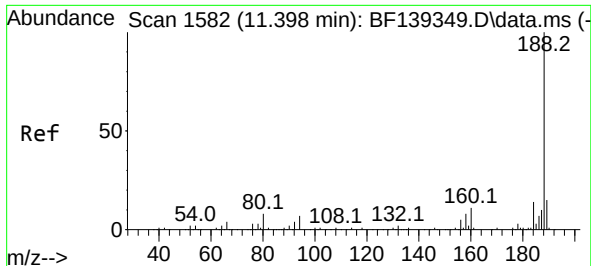
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024



#45
2-Fluorobiphenyl
Concen: 61.150 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

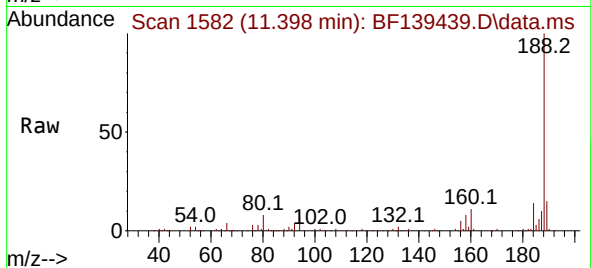
Tgt Ion: 172 Resp: 414788
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

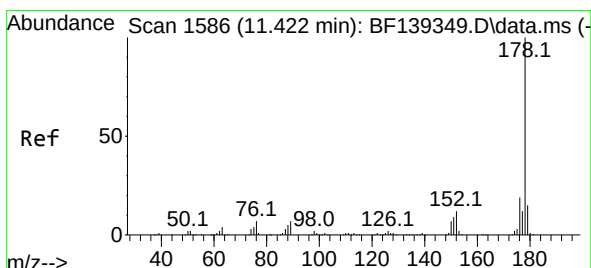
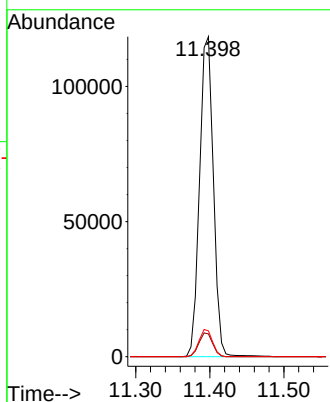
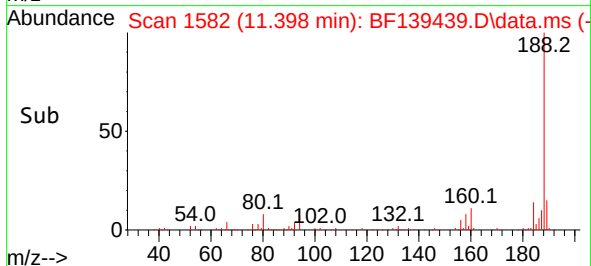
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion:188 Resp: 15346
Ion Ratio Lower Upper
188 100
94 7.1 5.5 8.3
80 8.0 6.6 9.8

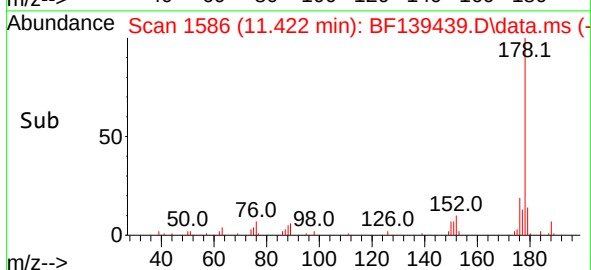
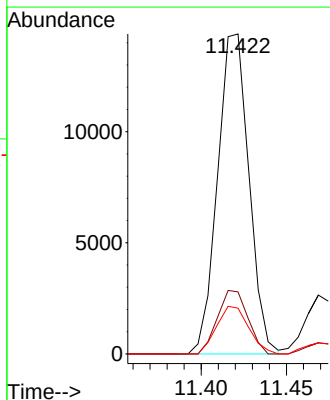
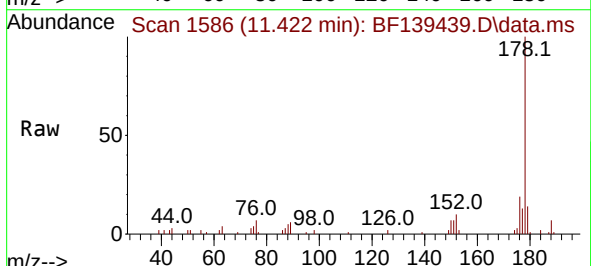
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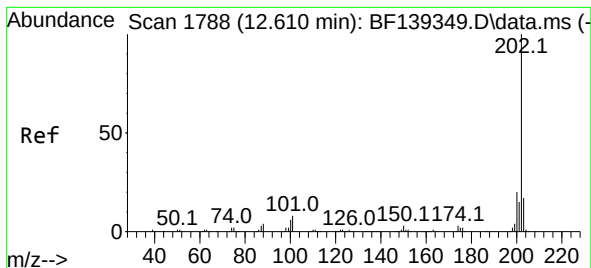
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#71
Phenanthrene
Concen: 2.489 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

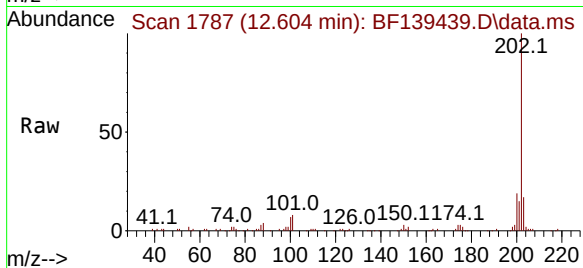
Tgt Ion:178 Resp: 18429
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 14.3 12.2 18.4





#75
Fluoranthene
Concen: 7.502 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

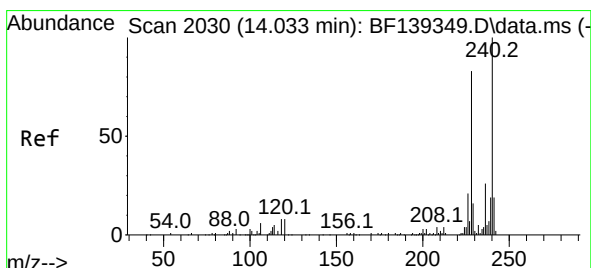
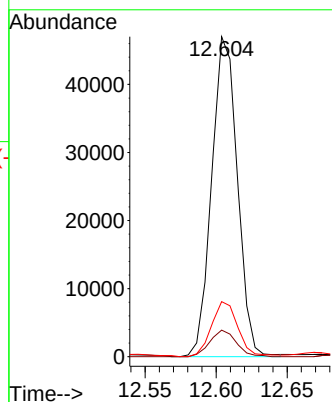
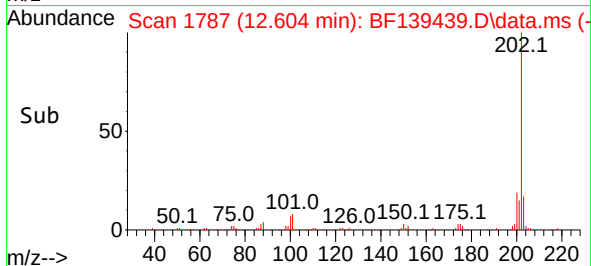
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion:202 Resp: 59317
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.7
203 17.2 0.0 37.4

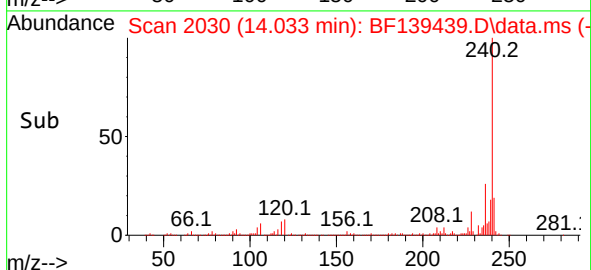
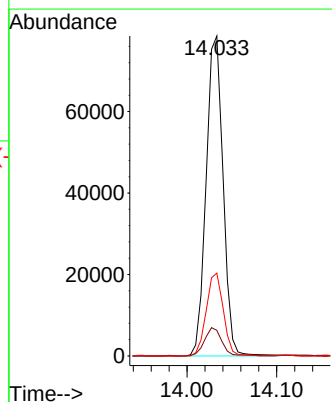
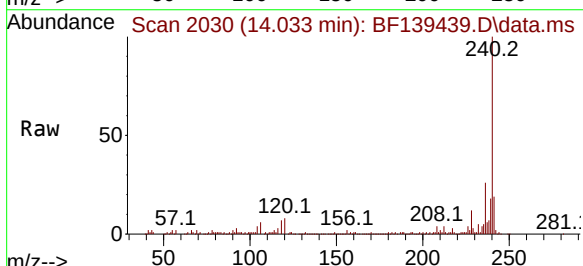
Manual Integrations
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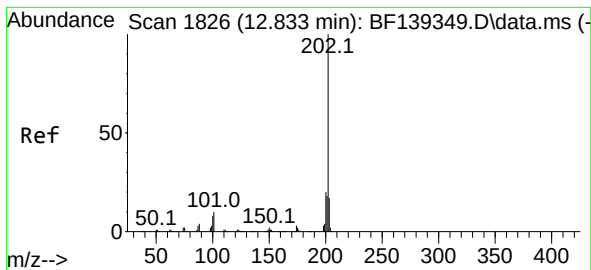
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:240 Resp: 103029
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.2
236 25.9 20.9 31.3





#78

Pyrene

Concen: 6.333 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

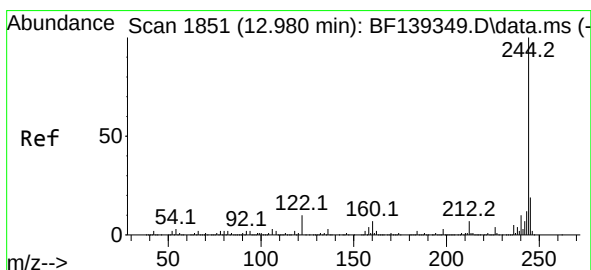
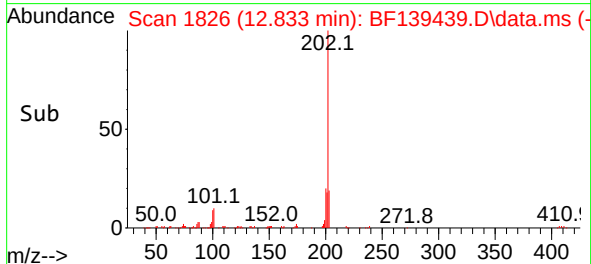
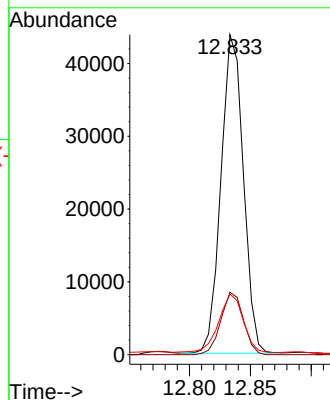
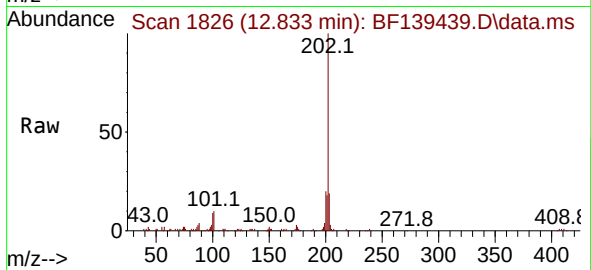
NB-614-COMP-01

Tgt Ion:	202	Resp:	5602
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.2	24.2
203	19.0	13.9	20.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#79

Terphenyl-d14

Concen: 54.432 ng

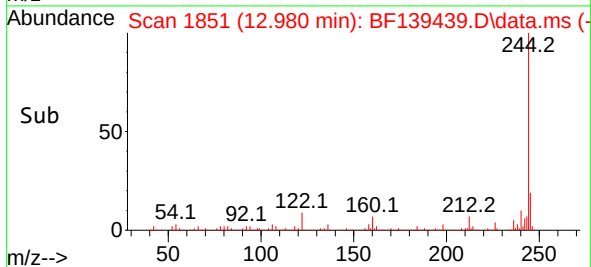
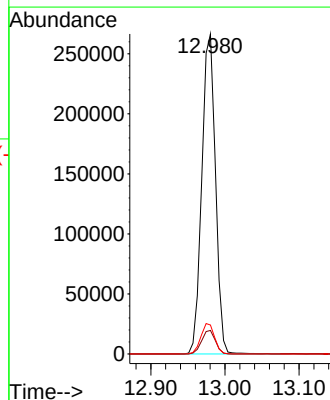
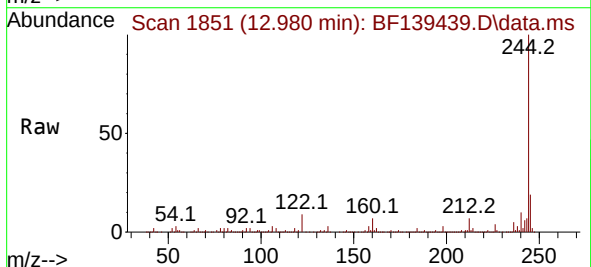
RT: 12.980 min Scan# 1851

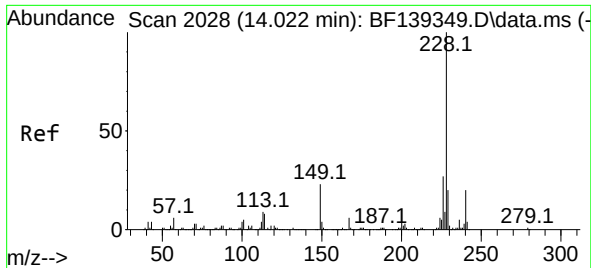
Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

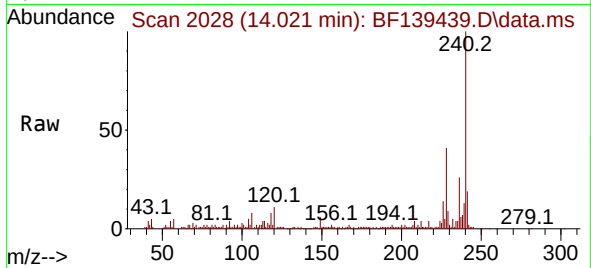
Tgt Ion:	244	Resp:	341664
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	9.0	7.6	11.4





#81
Benzo(a)anthracene
Concen: 4.012 ng m
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

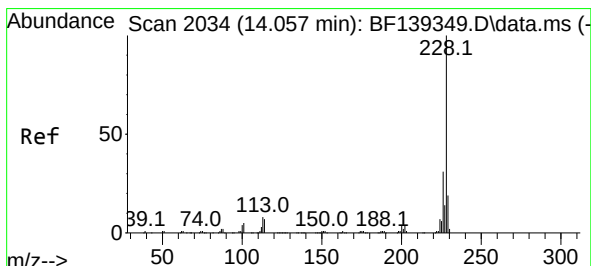
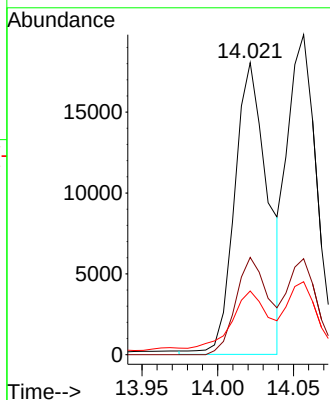
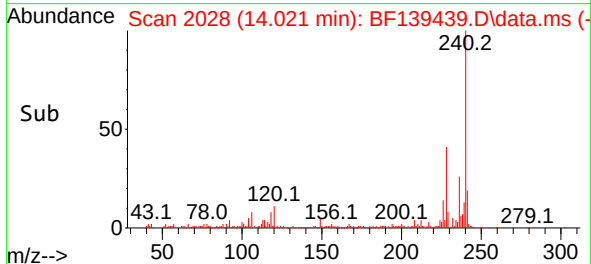
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion:228 Resp: 2737
Ion Ratio Lower Upper
228 100
226 33.3 21.6 32.4
229 21.8 15.7 23.5

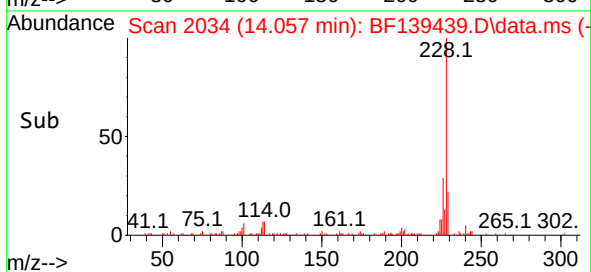
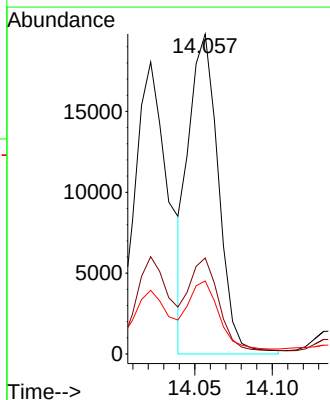
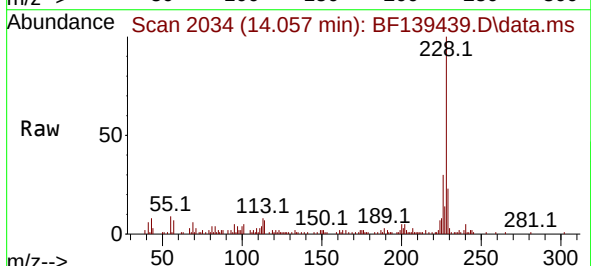
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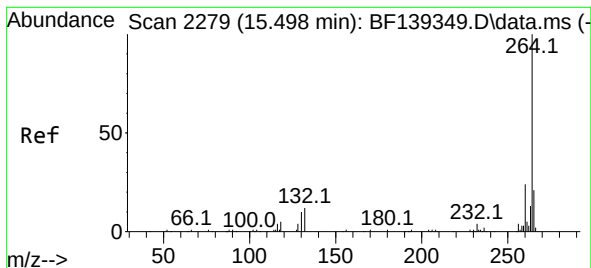
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#83
Chrysene
Concen: 4.210 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:228 Resp: 26431
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 22.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

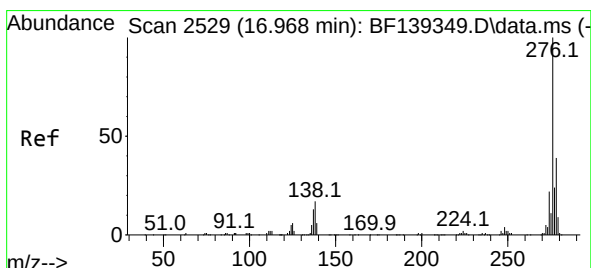
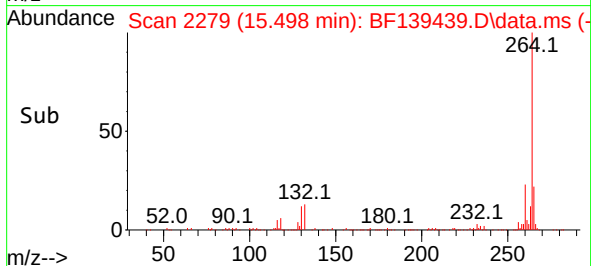
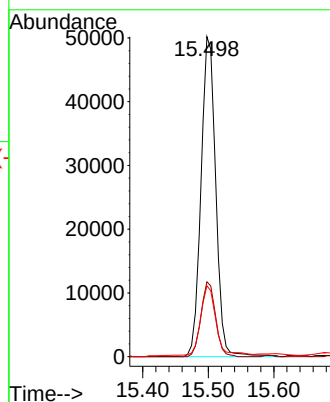
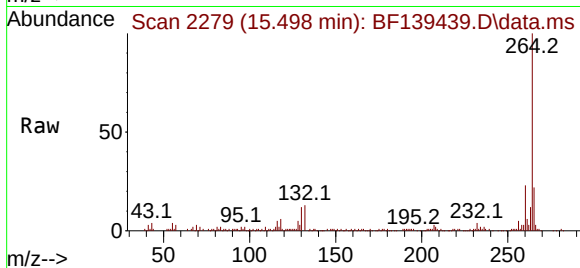
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Tgt Ion:264	Resp:	7861
Ion Ratio	Lower	Upper
264	100	
260	23.4	19.5 29.3
265	22.2	16.6 25.0

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.195 ng

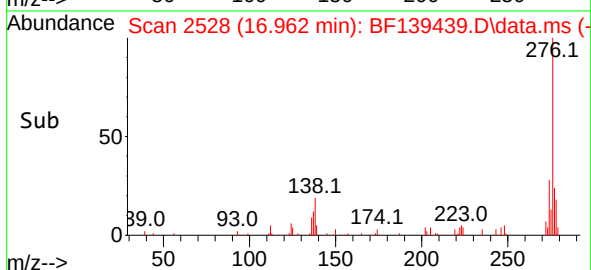
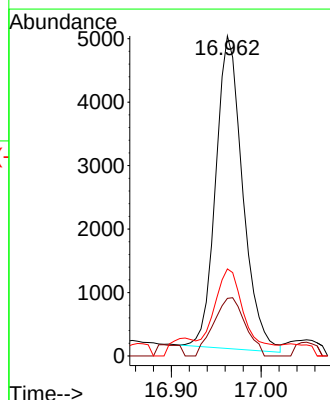
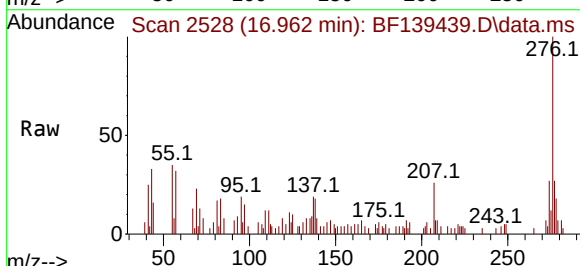
RT: 16.962 min Scan# 2528

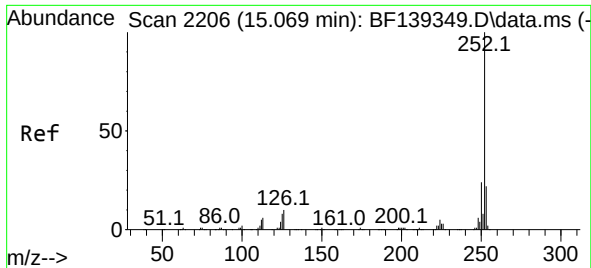
Delta R.T. -0.006 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

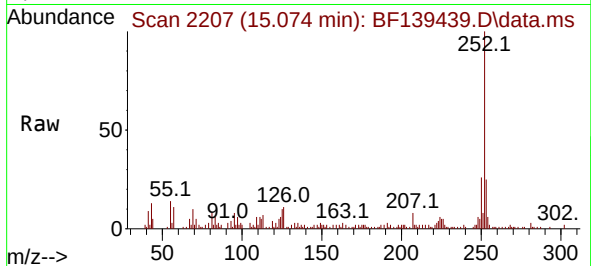
Tgt Ion:276	Resp:	10260
Ion Ratio	Lower	Upper
276	100	
138	21.8	15.4 23.2
277	24.9	20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 5.864 ng m
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

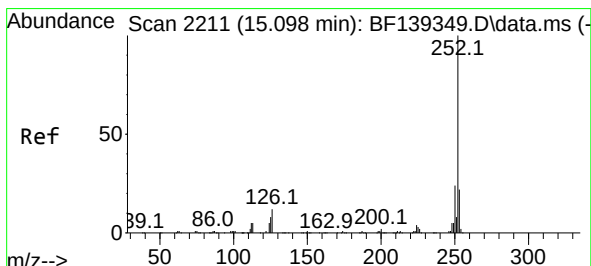
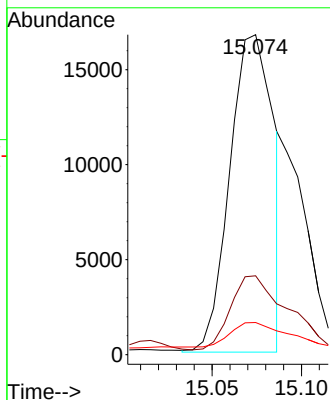
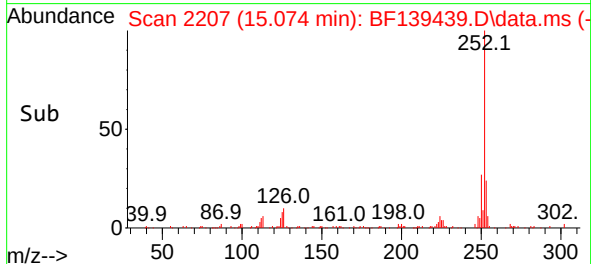
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



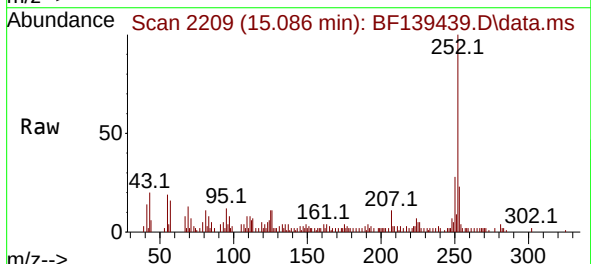
Tgt Ion:252 Resp: 2843
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 10.1 6.2 9.2

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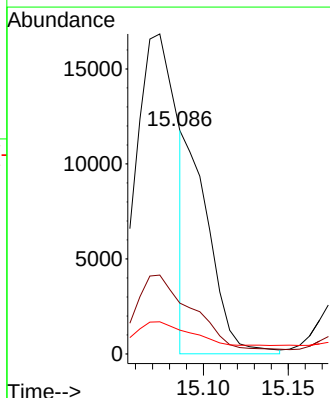
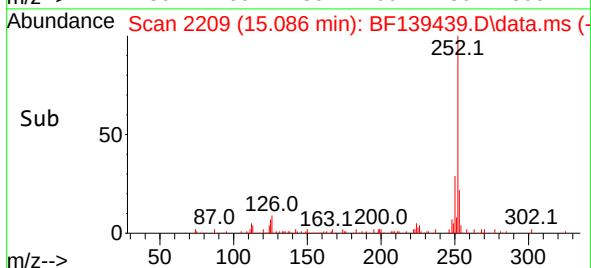
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

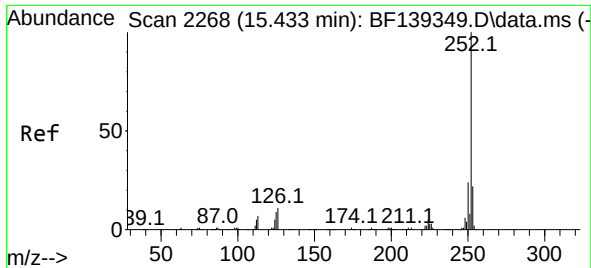


#89
Benzo(k)fluoranthene
Concen: 2.579 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41



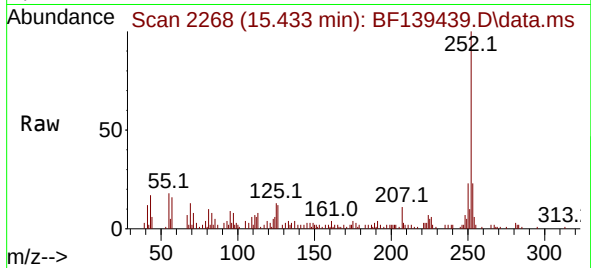
Tgt Ion:252 Resp: 11530
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 10.6 5.9 8.9





#90
Benzo(a)pyrene
Concen: 4.461 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

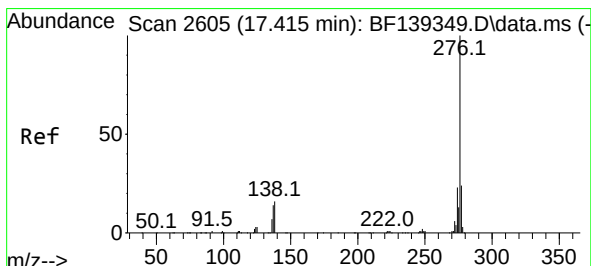
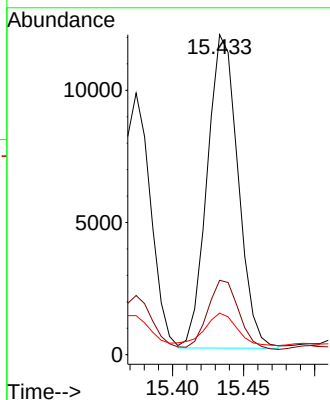
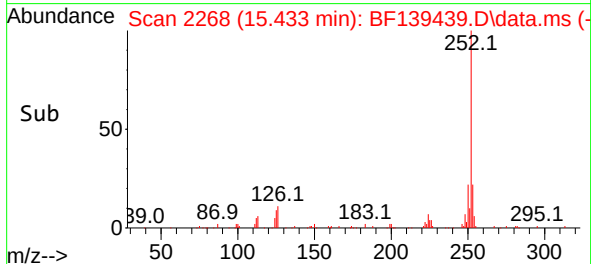
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01



Tgt Ion:252 Resp: 17939
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 13.0 6.8 10.2

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#92
Benzo(g,h,i)perylene
Concen: 2.978 ng
RT: 17.409 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:276 Resp: 11390
Ion Ratio Lower Upper
276 100
277 24.6 18.9 28.3
138 19.7 13.0 19.6

