

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139440.D
 Acq On : 18 Sep 2024 22:09
 Operator : RC/JU
 Sample : P4087-25
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-05

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 01:30:37 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	52636	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	182368	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	81259	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	126254	20.000	ng	0.00
76) Chrysene-d12	14.033	240	91775	20.000	ng	0.00
86) Perylene-d12	15.504	264	69926	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	275611	85.420	ng	0.00
7) Phenol-d6	6.504	99	371680	87.763	ng	0.00
23) Nitrobenzene-d5	7.440	82	245290	63.232	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	62736	72.519	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	391072	67.499	ng	0.00
79) Terphenyl-d14	12.980	244	279924	50.064	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	38517	4.046	ng	99
52) Acenaphthene	9.945	154	22761	4.635	ng	98
55) Dibenzofuran	10.116	168	25709	3.756	ng	97
58) Fluorene	10.457	166	20885	3.740	ng	99
71) Phenanthrene	11.422	178	342916	56.297	ng	100
72) Anthracene	11.469	178	58545	9.830	ng	96
73) Carbazole	11.628	167	29028	5.093	ng	98
75) Fluoranthene	12.610	202	412383	63.396	ng	99
78) Pyrene	12.839	202	375076	47.598	ng	99
81) Benzo(a)anthracene	14.021	228	155502	25.580	ng	97
83) Chrysene	14.057	228	139809	24.998	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	44486	10.699	ng	98
88) Benzo(b)fluoranthene	15.074	252	138281m	32.065	ng	
89) Benzo(k)fluoranthene	15.092	252	37196m	9.354	ng	
90) Benzo(a)pyrene	15.439	252	89252	24.954	ng	96
91) Dibenzo(a,h)anthracene	16.980	278	11363	3.307	ng	# 91
92) Benzo(g,h,i)perylene	17.409	276	43163	12.688	ng	99

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

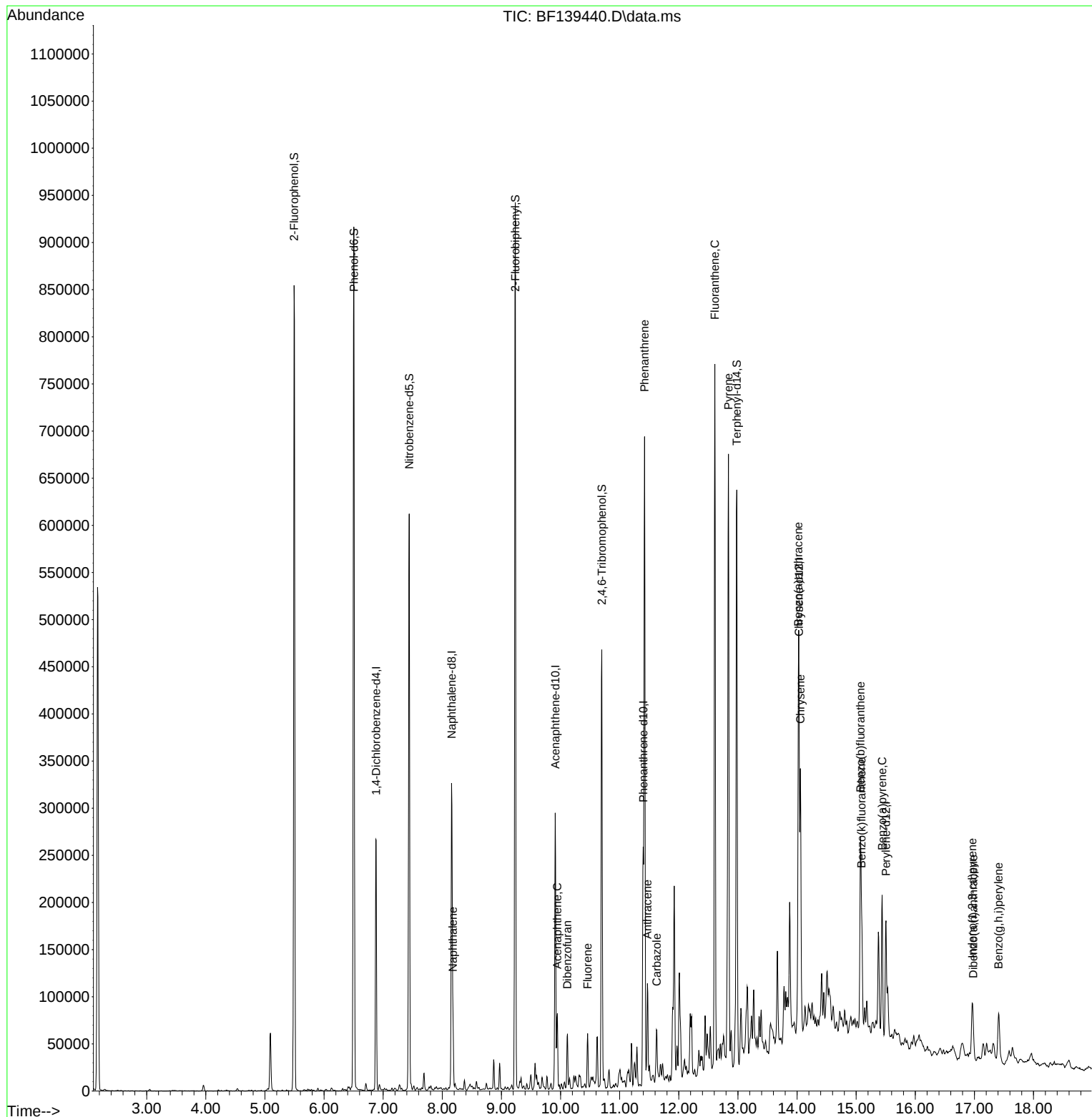
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
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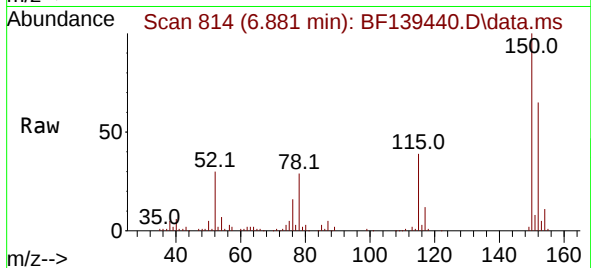
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

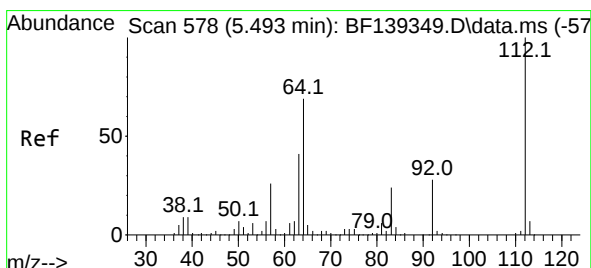
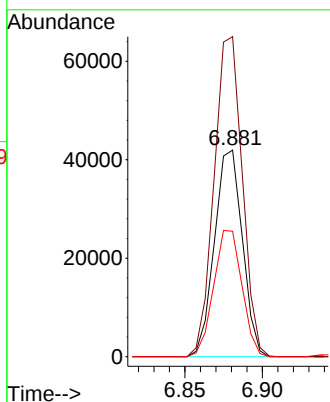
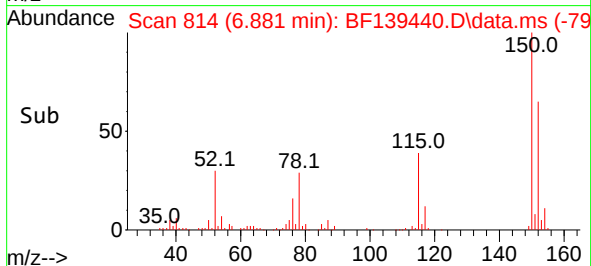
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05



Tgt Ion:152 Resp: 52630
Ion Ratio Lower Upper
152 100
150 154.9 124.1 186.1
115 60.7 48.1 72.1

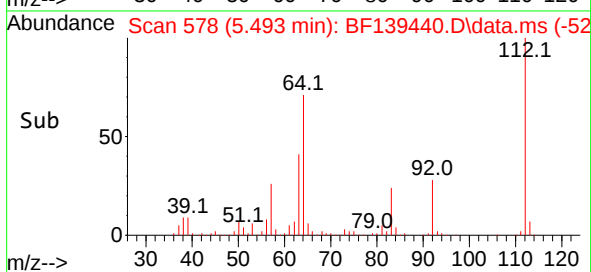
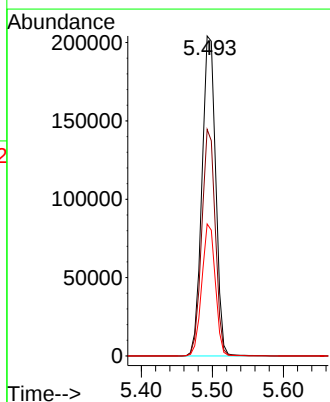
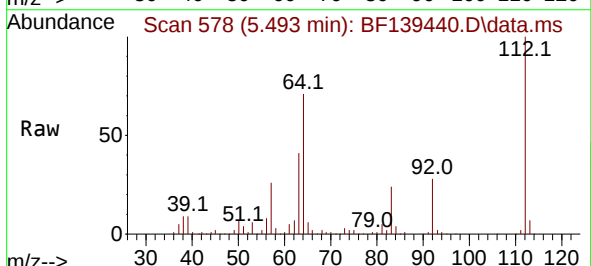
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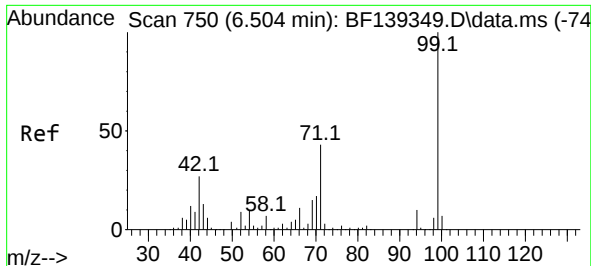
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#5
2-Fluorophenol
Concen: 85.420 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

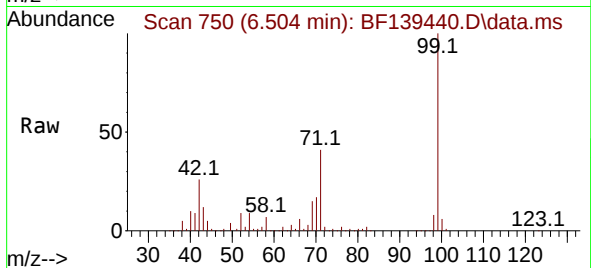
Tgt Ion:112 Resp: 275611
Ion Ratio Lower Upper
112 100
64 70.8 54.8 82.2
63 41.2 33.0 49.4





#7
Phenol-d6
Concen: 87.763 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

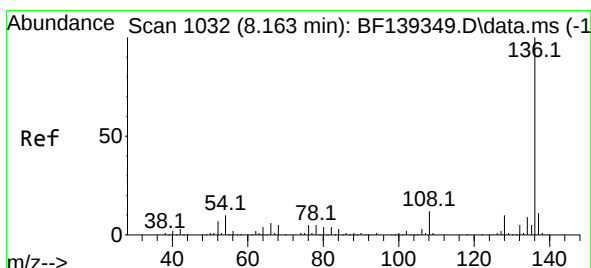
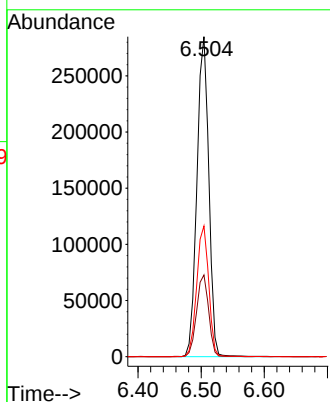
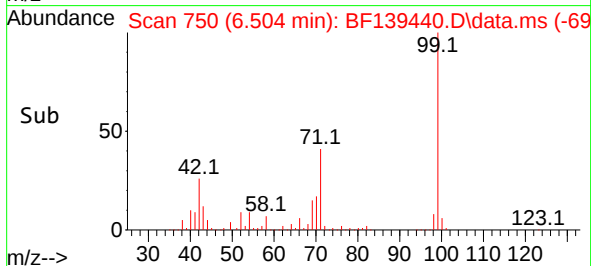
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05



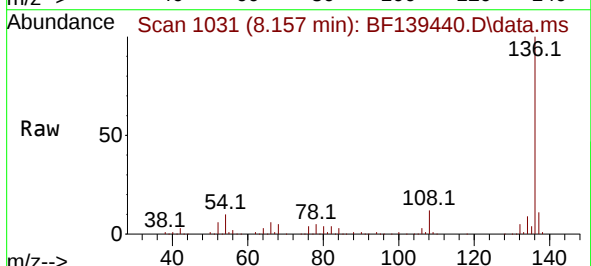
Tgt Ion: 99 Resp: 371680
Ion Ratio Lower Upper
99 100
42 25.5 21.9 32.9
71 40.8 34.6 52.0

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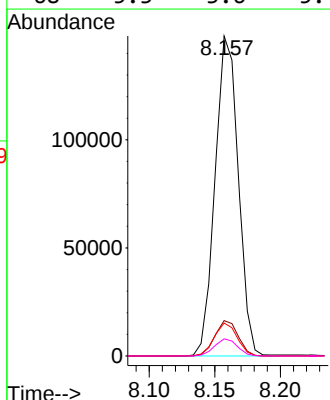
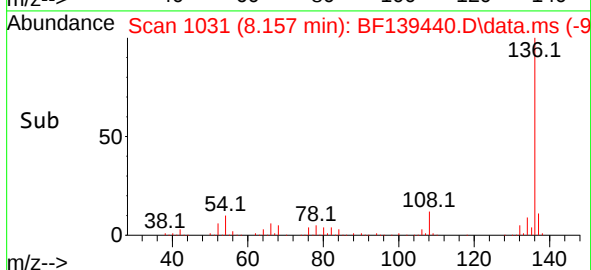
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09



Tgt Ion:136 Resp: 182368
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.3 7.8 11.8
68 5.3 3.6 5.4





#23

Nitrobenzene-d5

Concen: 63.232 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

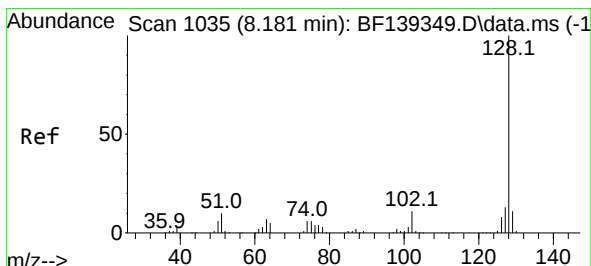
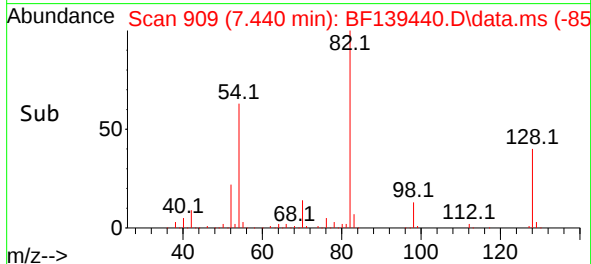
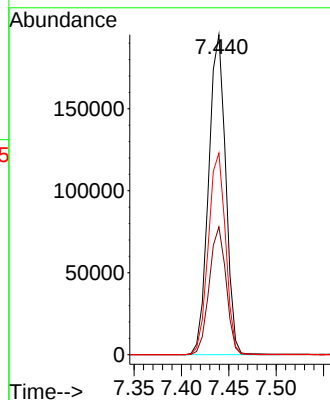
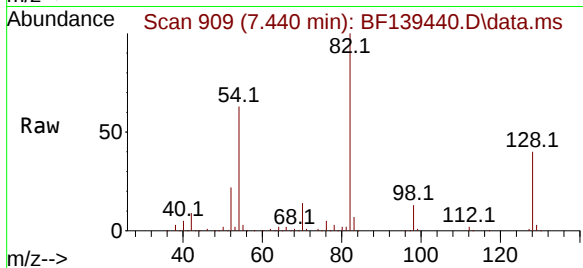
Tgt Ion: 82 Resp: 245290

Ion	Ratio	Lower	Upper
82	100		
128	40.0	31.8	47.6
54	63.0	50.6	75.8

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#31

Naphthalene

Concen: 4.046 ng

RT: 8.181 min Scan# 1035

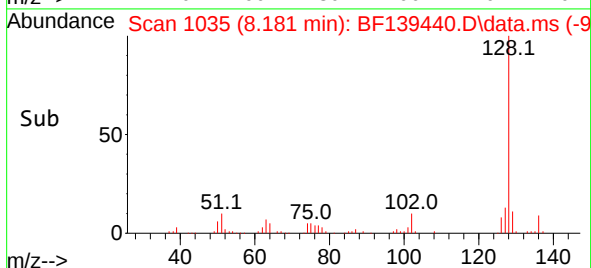
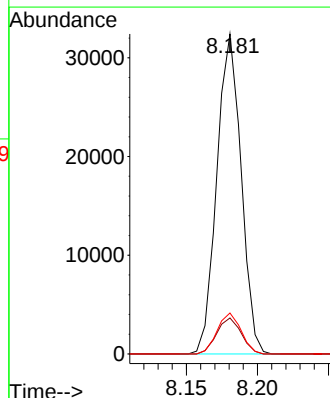
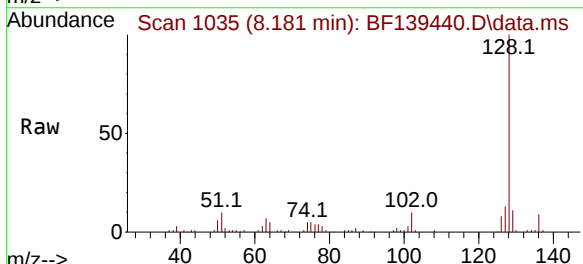
Delta R.T. -0.000 min

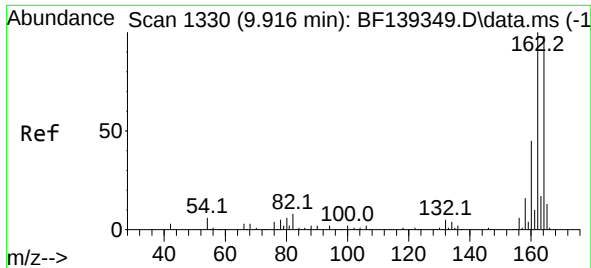
Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Tgt Ion:128 Resp: 38517

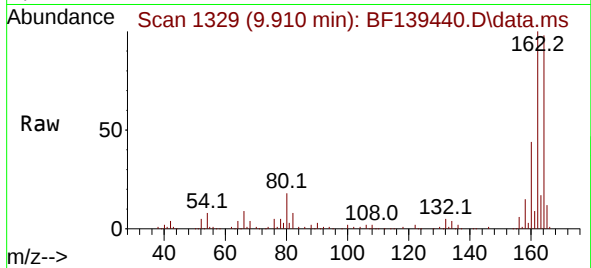
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	12.8	10.6	16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

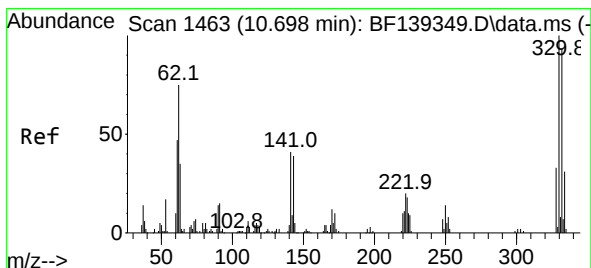
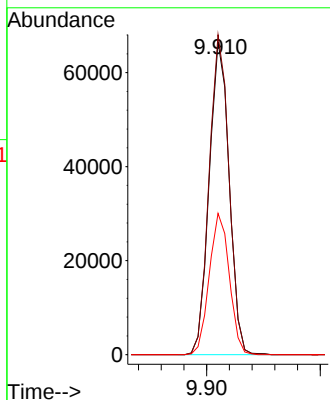
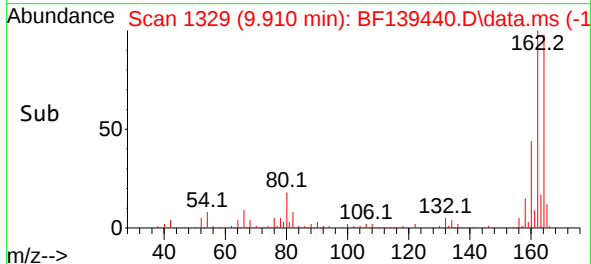
Instrument :
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NB-614-COMP-05



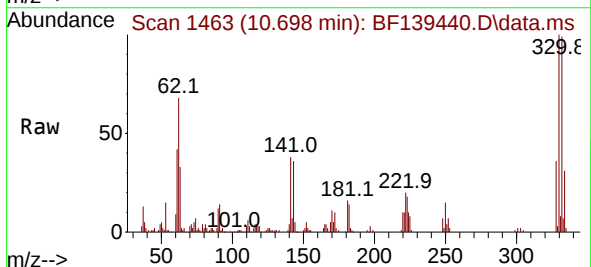
Tgt Ion:164 Resp: 81259
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 45.2 36.4 54.6

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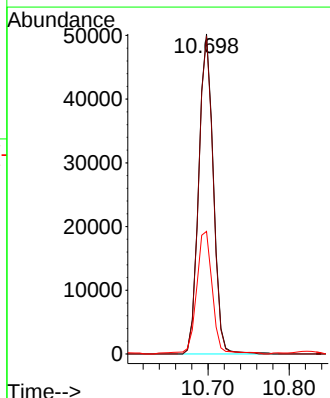
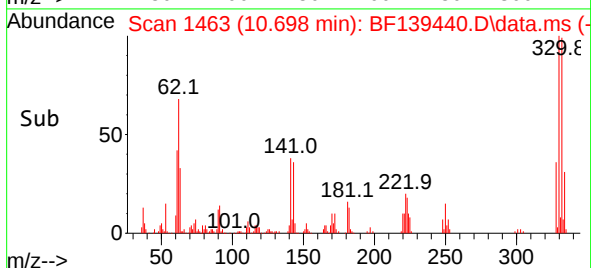
Reviewed By :Jagrut Upadhyay 09/19/2024
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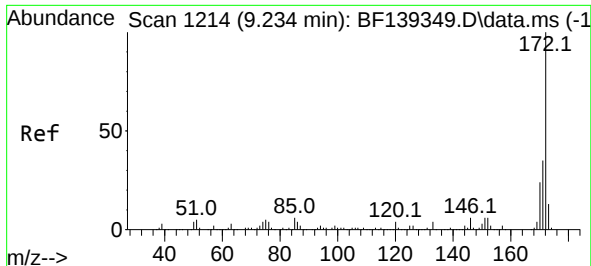


#42
2,4,6-Tribromophenol
Concen: 72.519 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09



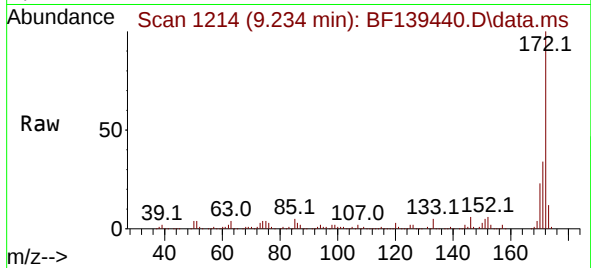
Tgt Ion:330 Resp: 62736
Ion Ratio Lower Upper
330 100
332 98.2 75.2 112.8
141 41.6 31.2 46.8





#45
2-Fluorobiphenyl
Concen: 67.499 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

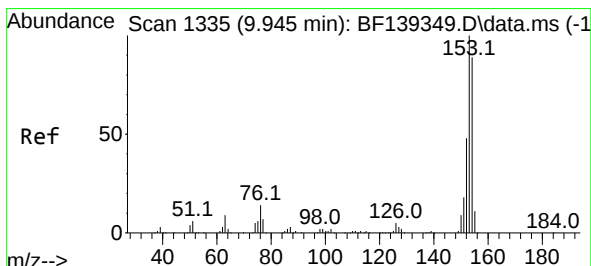
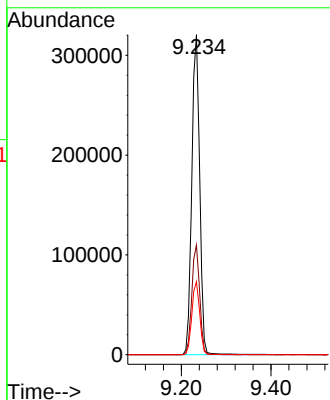
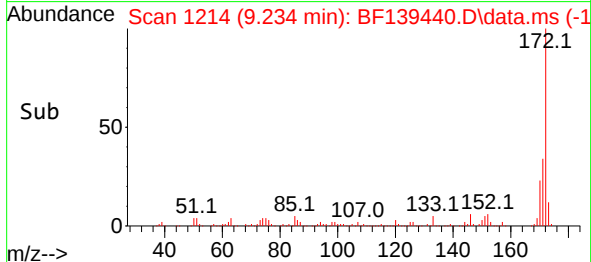
Instrument :
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Tgt Ion:172 Resp: 391072
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 22.8 19.0 28.6

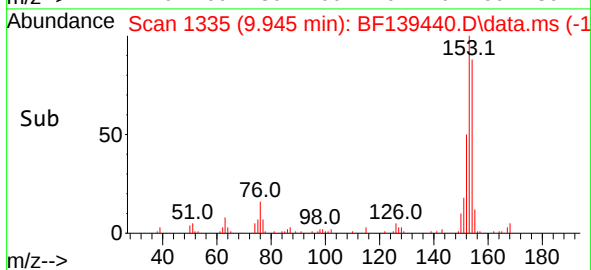
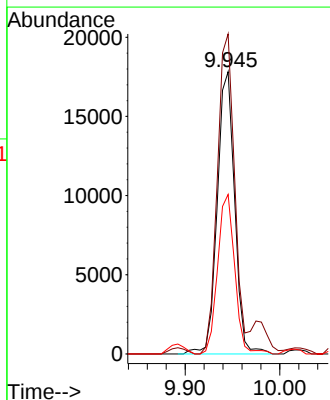
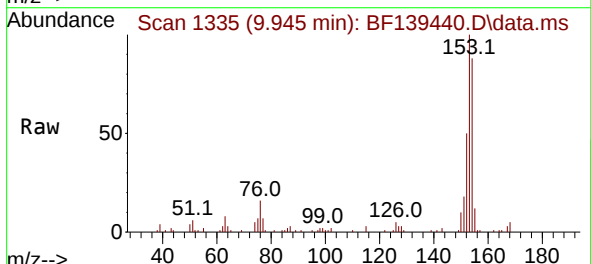
Manual Integrations
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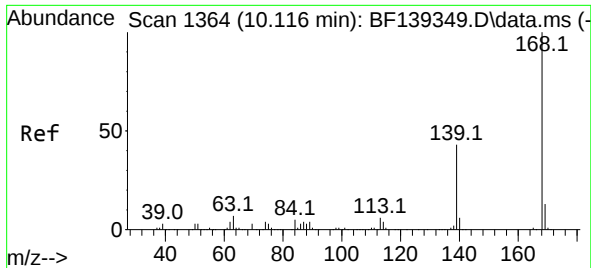
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#52
Acenaphthene
Concen: 4.635 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

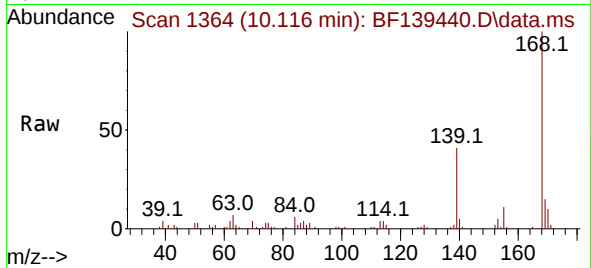
Tgt Ion:154 Resp: 22761
Ion Ratio Lower Upper
154 100
153 113.4 89.5 134.3
152 56.5 42.6 64.0





#55
Dibenzenofuran
Concen: 3.756 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

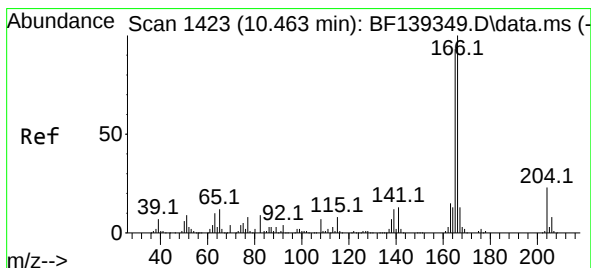
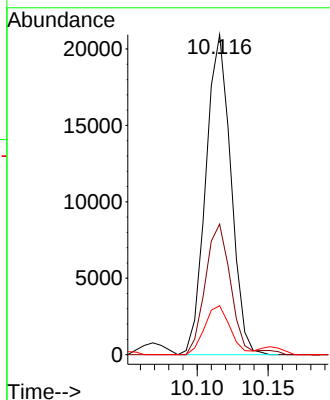
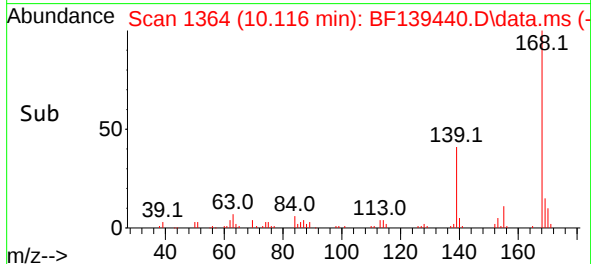
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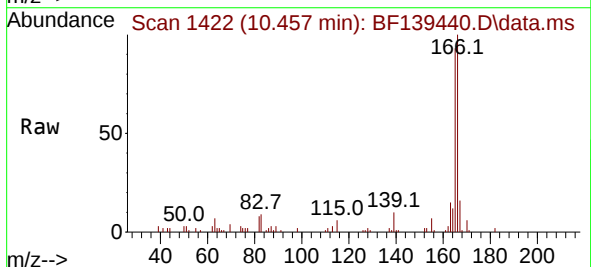
Tgt Ion:168 Resp: 25709
Ion Ratio Lower Upper
168 100
139 40.8 34.1 51.1
169 15.3 10.5 15.7

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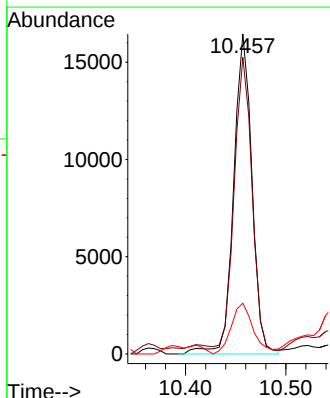
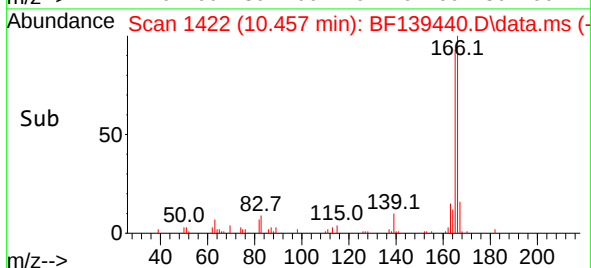
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

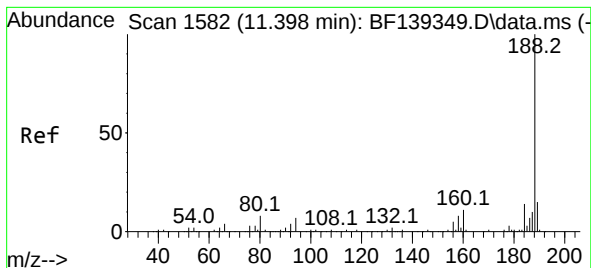


#58
Fluorene
Concen: 3.740 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09



Tgt Ion:166 Resp: 20885
Ion Ratio Lower Upper
166 100
165 92.7 74.5 111.7
167 15.9 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

Tgt Ion:188 Resp: 126254

Ion Ratio Lower Upper

188 100

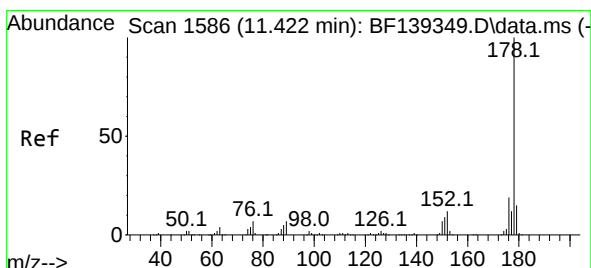
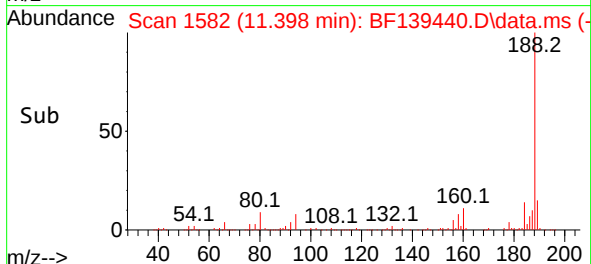
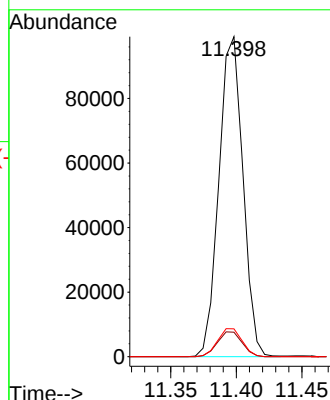
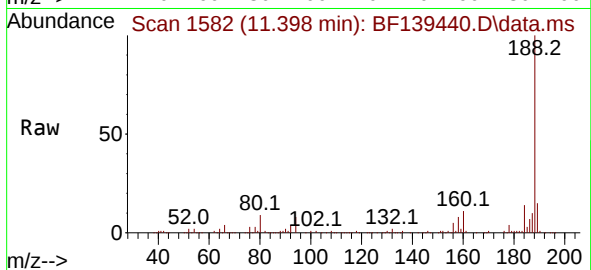
94 7.6 5.5 8.3

80 8.7 6.6 9.8

Manual Integrations

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



#71

Phenanthrene

Concen: 56.297 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

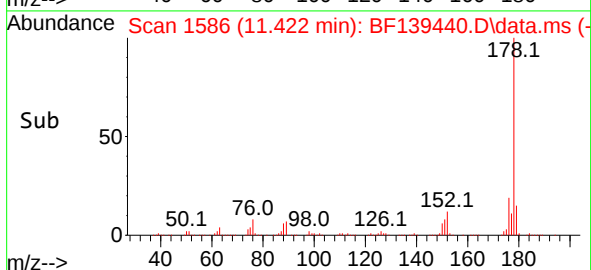
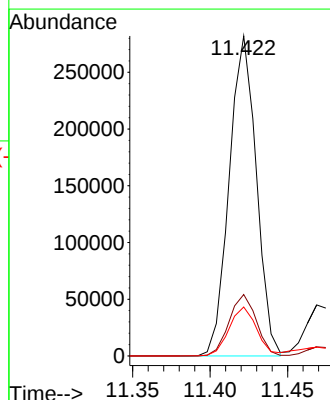
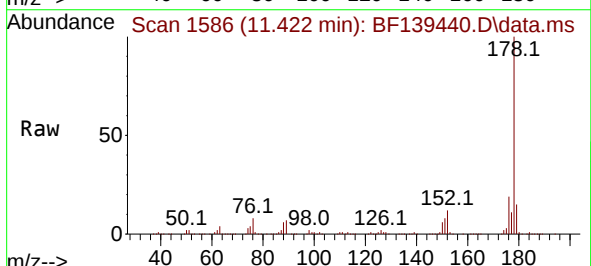
Tgt Ion:178 Resp: 342916

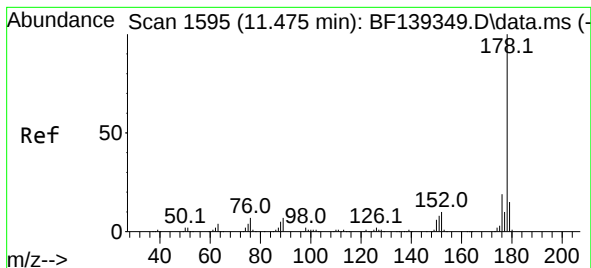
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.3 12.2 18.4





#72

Anthracene

Concen: 9.830 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

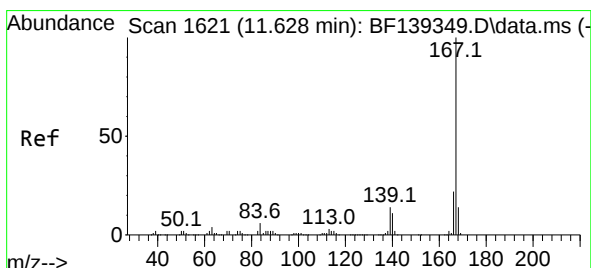
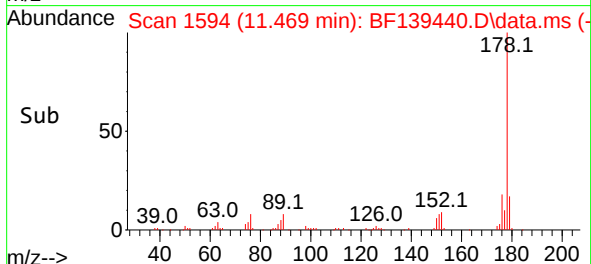
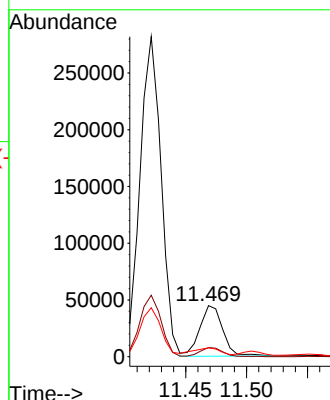
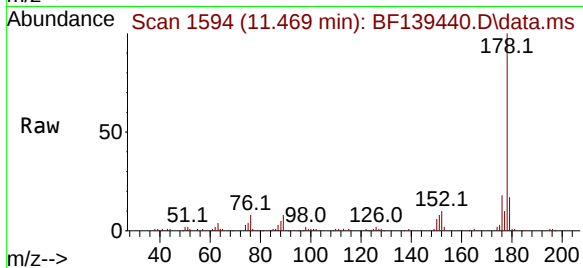
Tgt Ion:178 Resp: 58549

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.0	22.6
179	17.3	12.0	18.0

Manual Integrations

APPROVED

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



#73

Carbazole

Concen: 5.093 ng

RT: 11.628 min Scan# 1621

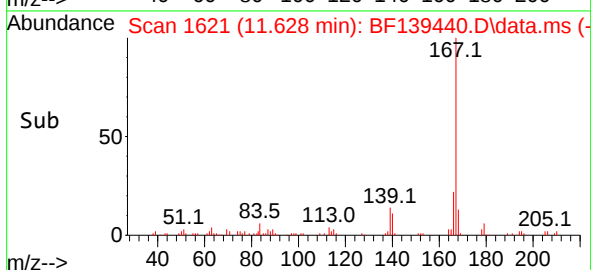
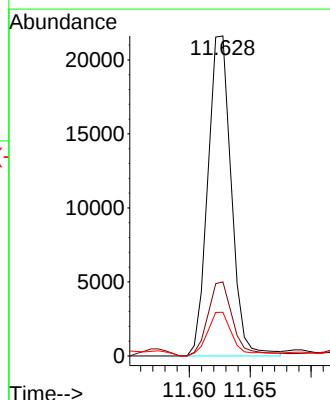
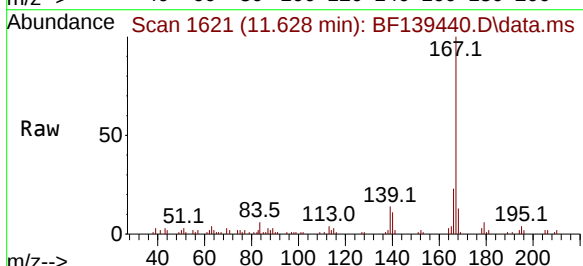
Delta R.T. -0.000 min

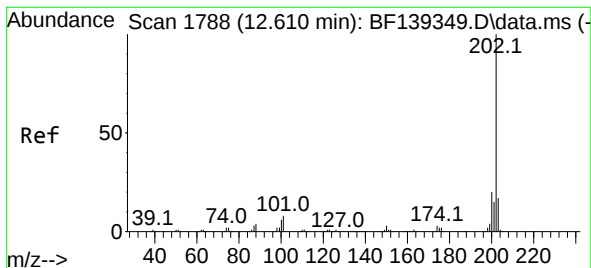
Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Tgt Ion:167 Resp: 29028

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.5	26.3
139	13.7	10.9	16.3





#75

Fluoranthene

Concen: 63.396 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

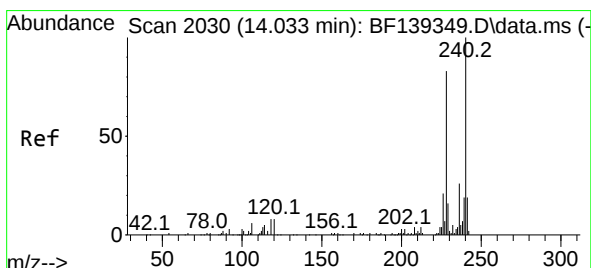
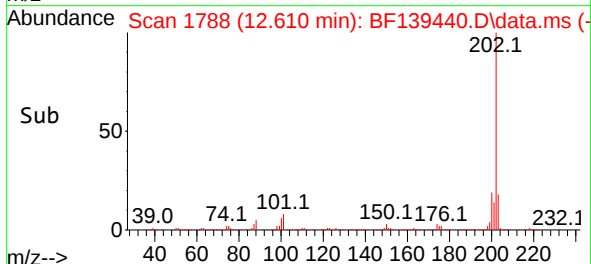
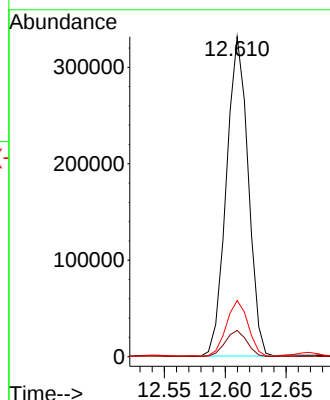
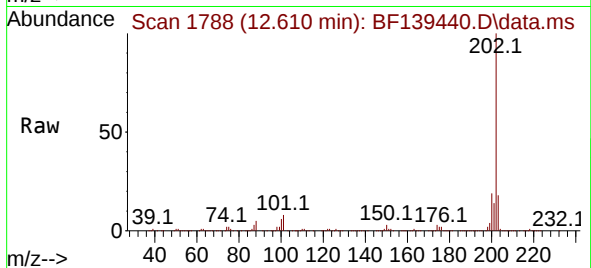
Tgt Ion:202 Resp: 41238

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.7
203	17.6	0.0	37.4

Manual Integrations

APPROVED

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

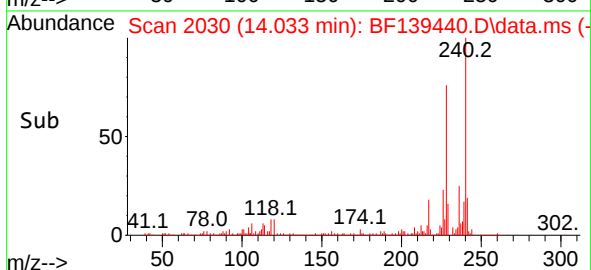
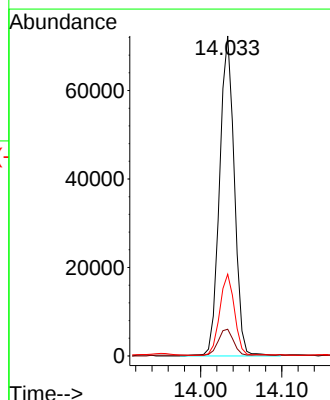
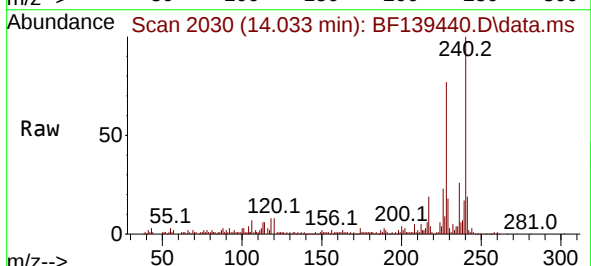
Delta R.T. -0.000 min

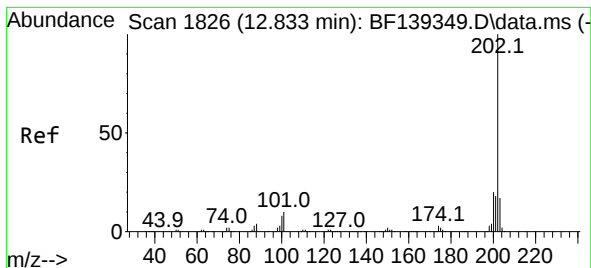
Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Tgt Ion:240 Resp: 91775

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.2	9.2
236	25.5	20.9	31.3





#78

Pyrene

Concen: 47.598 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

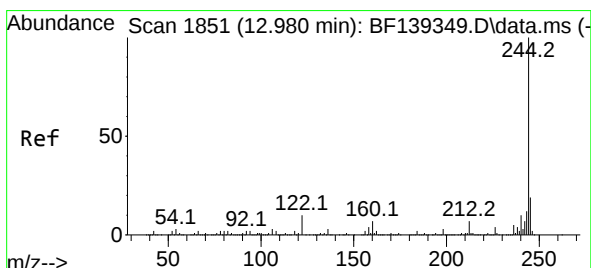
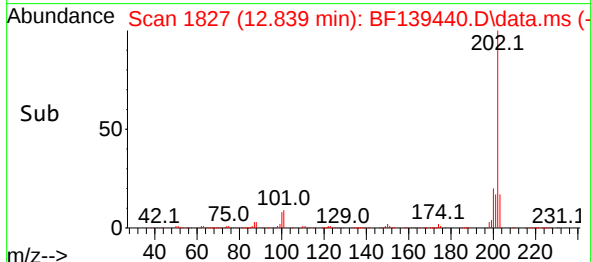
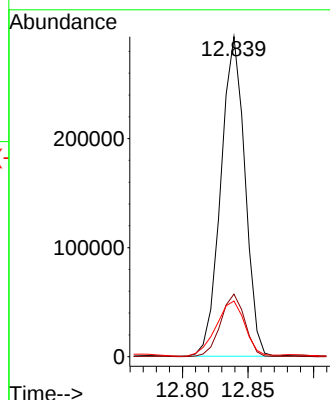
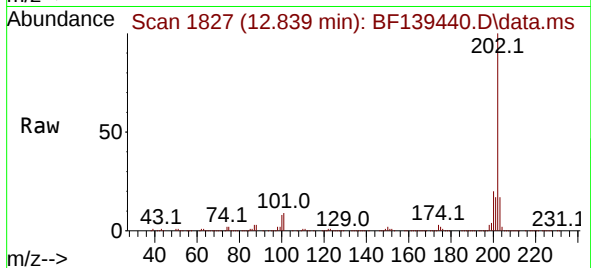
Tgt Ion:202 Resp: 375070

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.2	24.2
203	17.4	13.9	20.9

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 50.064 ng

RT: 12.980 min Scan# 1851

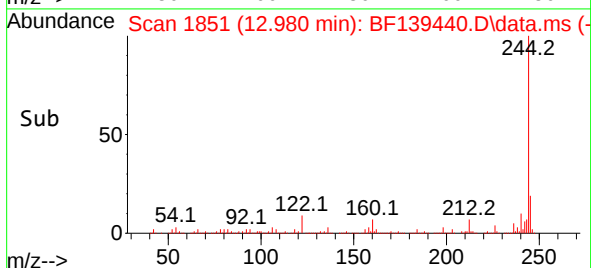
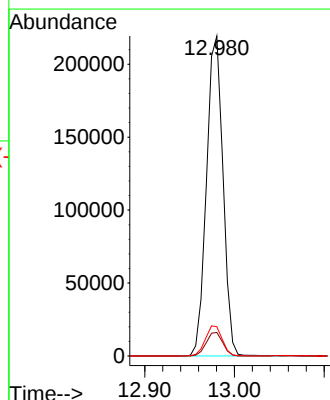
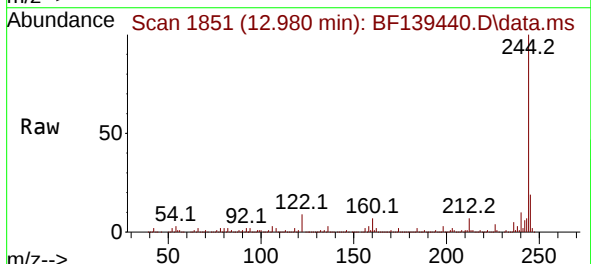
Delta R.T. -0.000 min

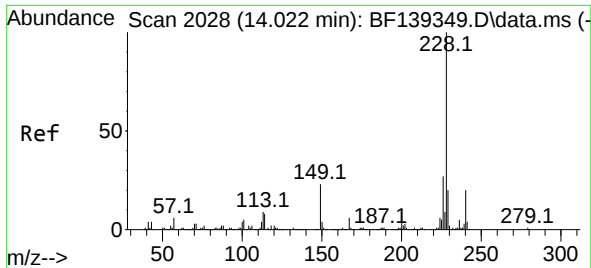
Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Tgt Ion:244 Resp: 279924

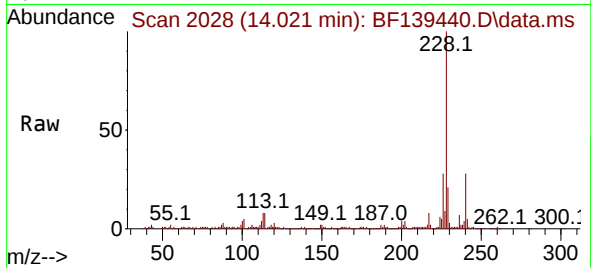
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.1	7.6	11.4





#81
Benzo(a)anthracene
Concen: 25.580 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

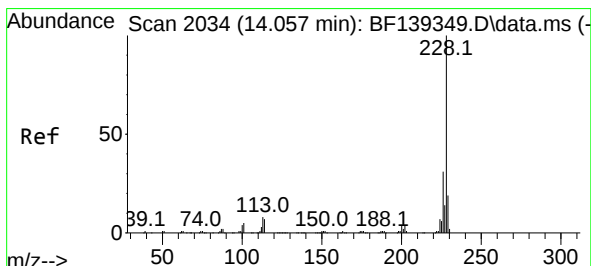
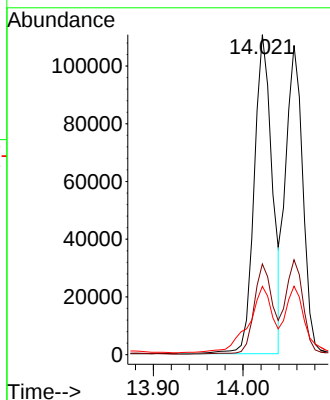
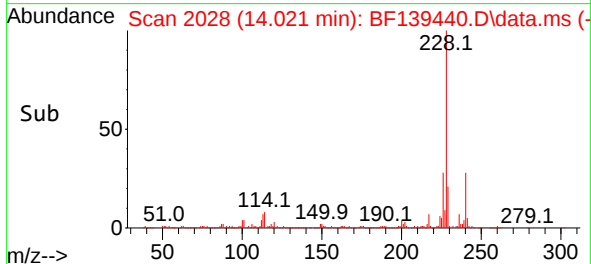
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05



Tgt Ion:228 Resp: 155502
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 21.3 15.7 23.5

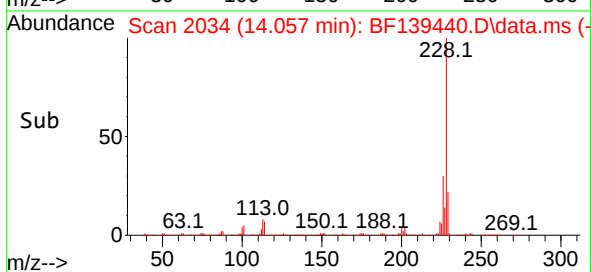
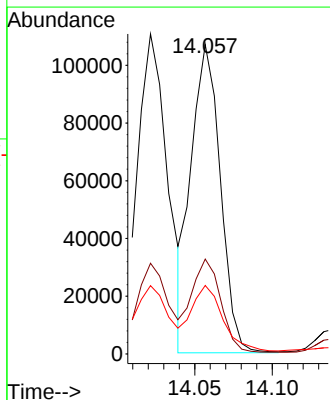
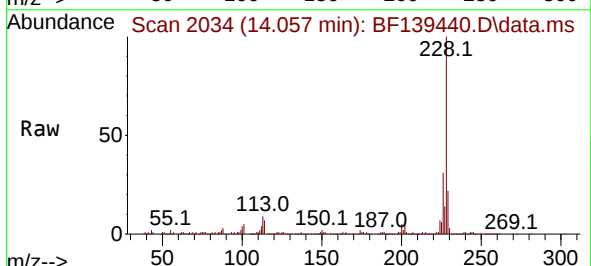
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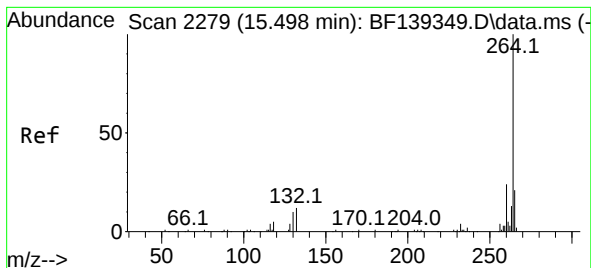
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#83
Chrysene
Concen: 24.998 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion:228 Resp: 139809
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 22.1 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

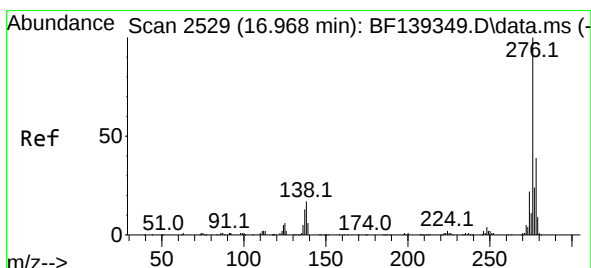
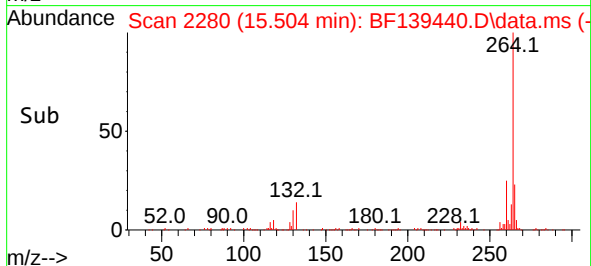
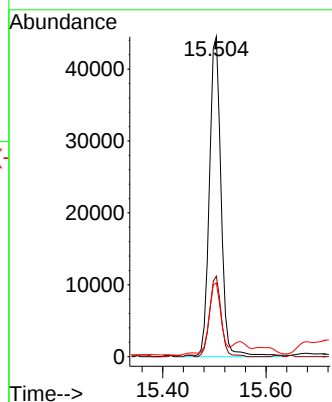
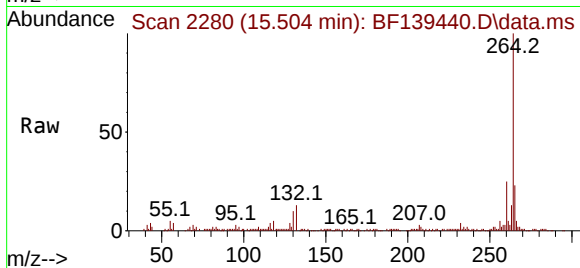
NB-614-COMP-05

Tgt Ion:264	Resp:	69920
Ion Ratio	Lower	Upper
264	100	
260	25.2	19.5 29.3
265	23.1	16.6 25.0

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.699 ng

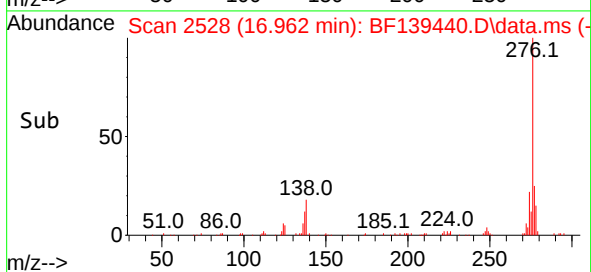
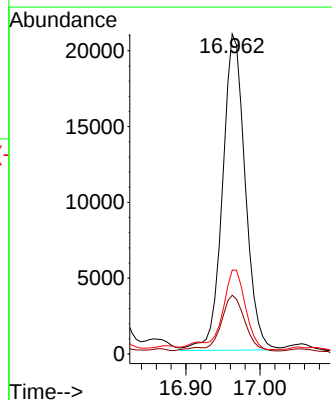
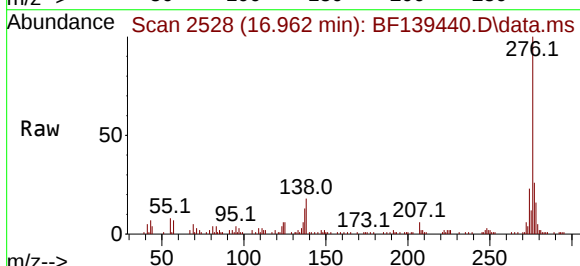
RT: 16.962 min Scan# 2528

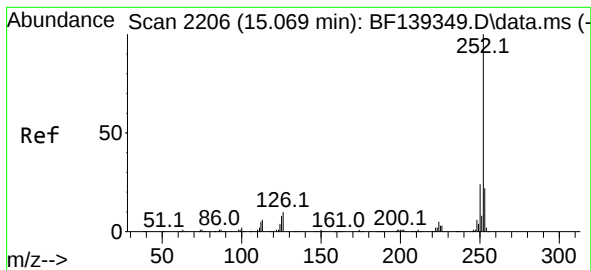
Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Tgt Ion:276	Resp:	44486
Ion Ratio	Lower	Upper
276	100	
138	20.4	15.4 23.2
277	26.1	20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 32.065 ng m

RT: 15.074 min Scan# 2110

Delta R.T. 0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

Tgt Ion:252 Resp: 13828

Ion Ratio Lower Upper

252 100

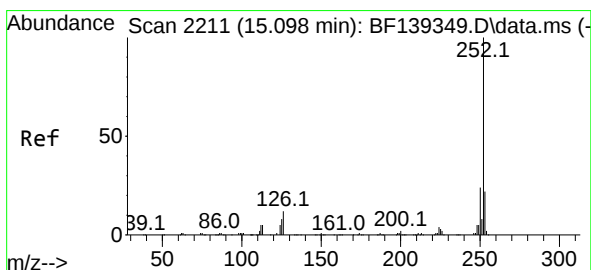
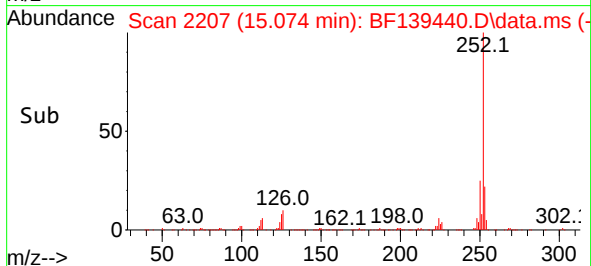
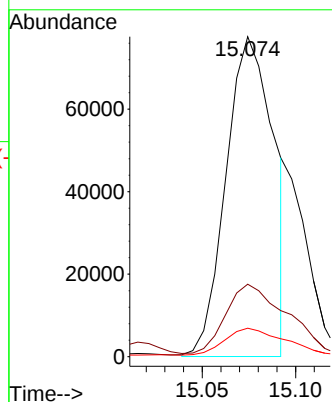
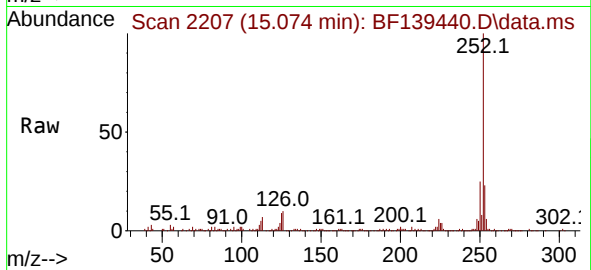
253 22.7 17.6 26.4

125 8.9 6.2 9.2

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 9.354 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

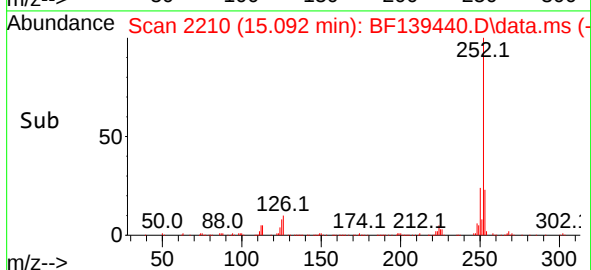
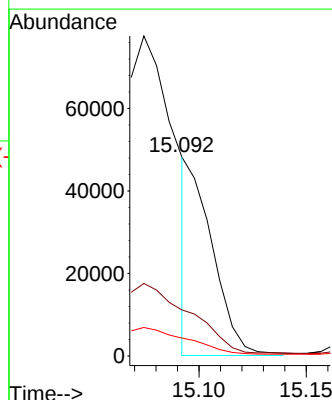
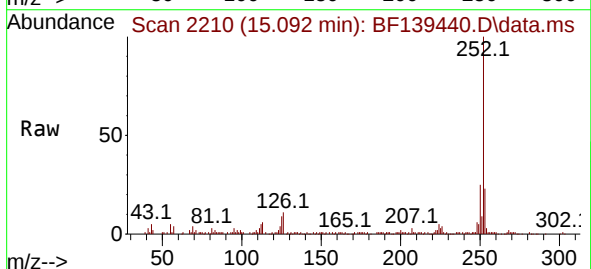
Tgt Ion:252 Resp: 37196

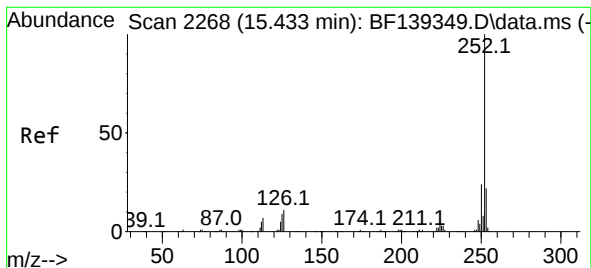
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 9.0 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 24.954 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

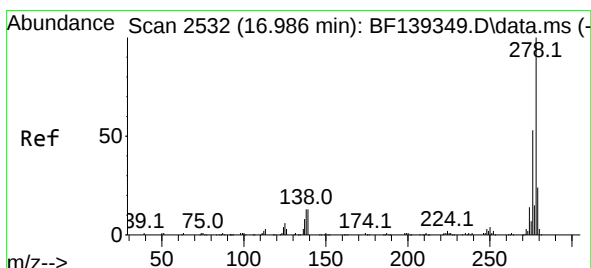
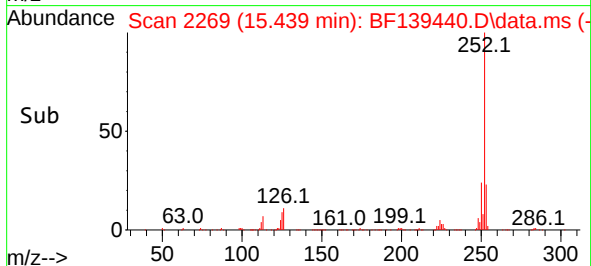
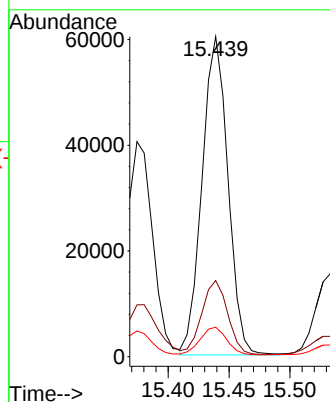
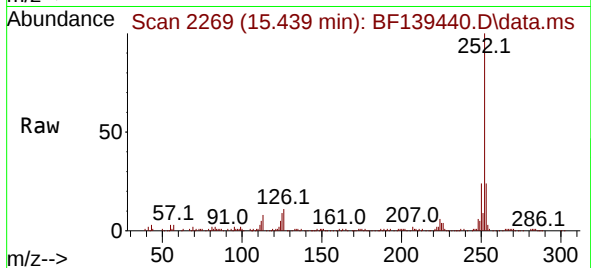
NB-614-COMP-05

Tgt Ion:252	Resp:	8925
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.3 25.9
125	9.2	6.8 10.2

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 3.307 ng

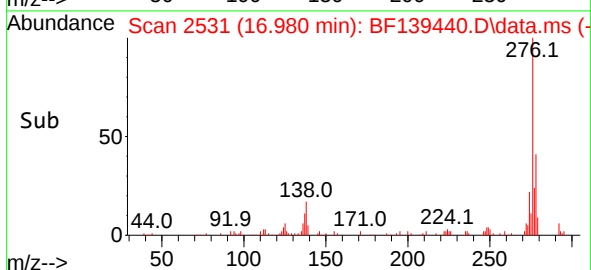
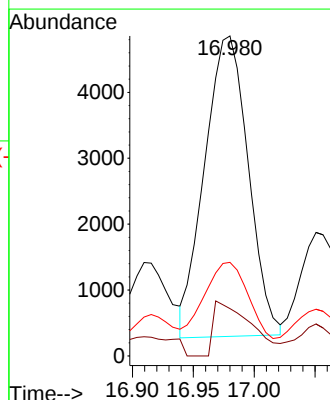
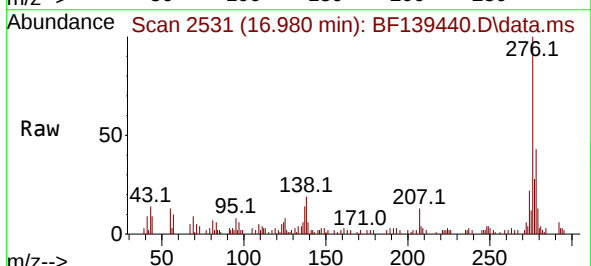
RT: 16.980 min Scan# 2531

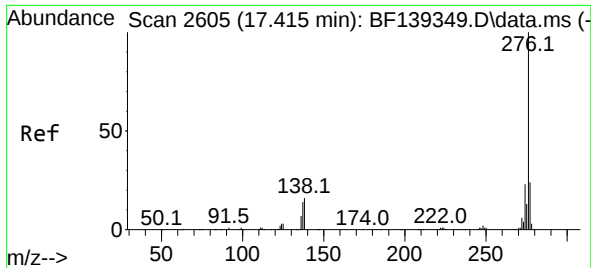
Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

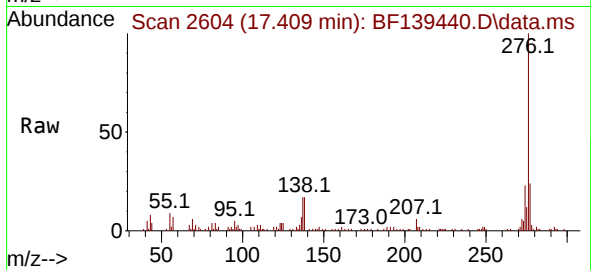
Tgt Ion:278	Resp:	11363
Ion Ratio	Lower	Upper
278	100	
139	14.8	10.2 15.2
279	29.3	18.9 28.3





#92
Benzo(g,h,i)perylene
Concen: 12.688 ng
RT: 17.409 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05



Tgt Ion: 276 Resp: 4316
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 17.0 13.0 19.6

Manual Integrations
APPROVED

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

