

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139411.D
 Acq On : 17 Sep 2024 19:30
 Operator : RC/JU
 Sample : P3984-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-C-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

Quant Time: Sep 18 00:48:10 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	6.881	152	64239	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	208488	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	93687	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	164195	20.000	ng	0.00
76) Chrysene-d12	14.033	240	101207	20.000	ng	0.00
86) Perylene-d12	15.504	264	77017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	148801	37.788	ng	0.00
7) Phenol-d6	6.498	99	186855	36.152	ng	0.00
23) Nitrobenzene-d5	7.434	82	126469	28.517	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	34286	34.375	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	210310	31.484	ng	0.00
79) Terphenyl-d14	12.980	244	200423	32.505	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	174400	22.015	ng	100
72) Anthracene	11.469	178	39446	5.093	ng	97
73) Carbazole	11.628	167	22678	3.059	ng	99
75) Fluoranthene	12.610	202	304856	36.036	ng	100
78) Pyrene	12.839	202	262226	30.176	ng	99
81) Benzo(a)anthracene	14.021	228	112783	16.823	ng	98
83) Chrysene	14.057	228	91772	14.880	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	9593	2.549	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	45625m	9.963	ng	
88) Benzo(b)fluoranthene	15.074	252	93946m	19.778	ng	
89) Benzo(k)fluoranthene	15.086	252	39019m	8.909	ng	
90) Benzo(a)pyrene	15.439	252	62500	15.866	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	10638	2.811	ng	# 91
92) Benzo(g,h,i)perylene	17.409	276	45875	12.243	ng	98

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

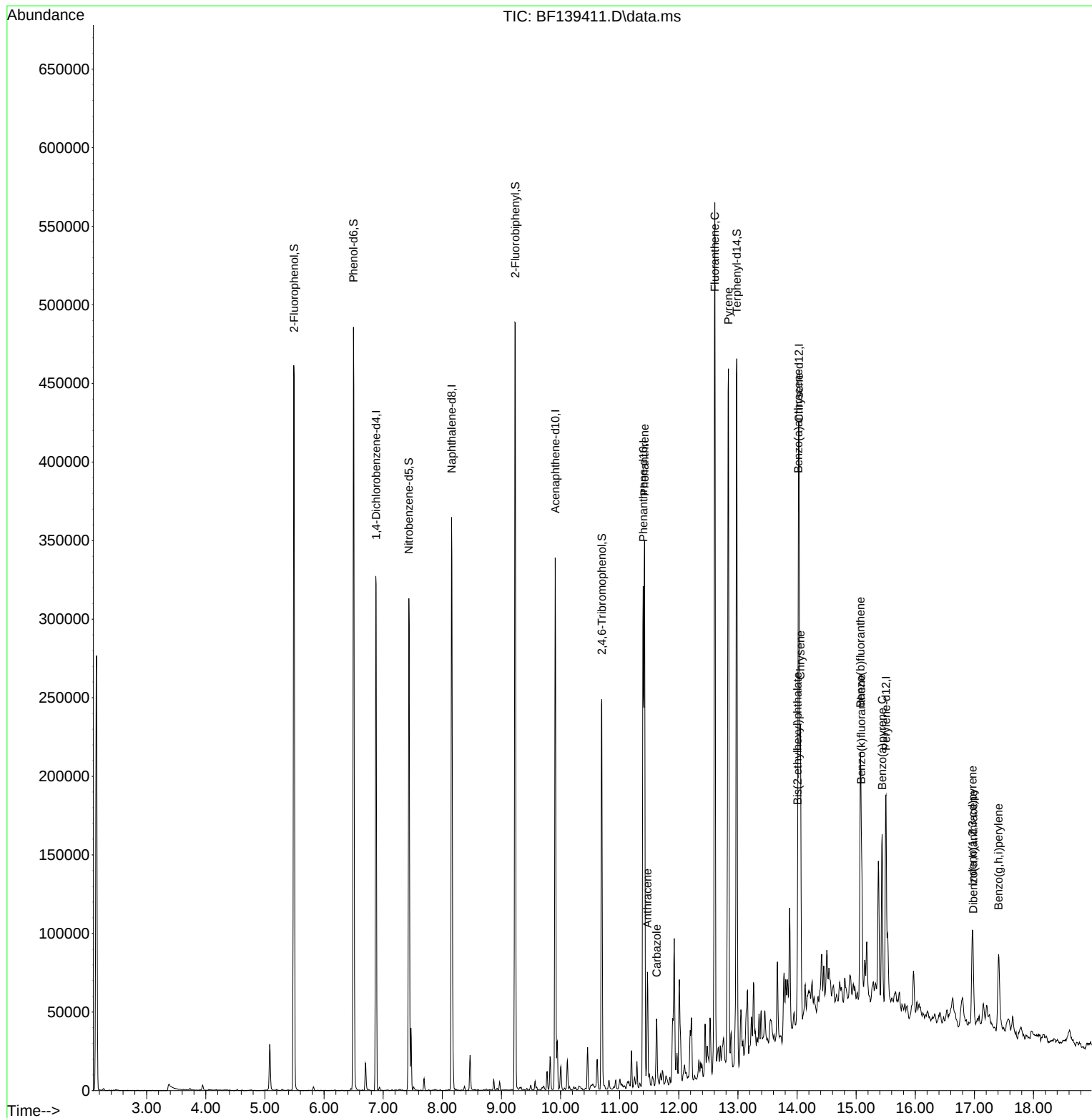
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
Data File : BF139411.D
Acq On : 17 Sep 2024 19:30
Operator : RC/JU
Sample : P3984-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

Quant Time: Sep 18 00:48:10 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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024





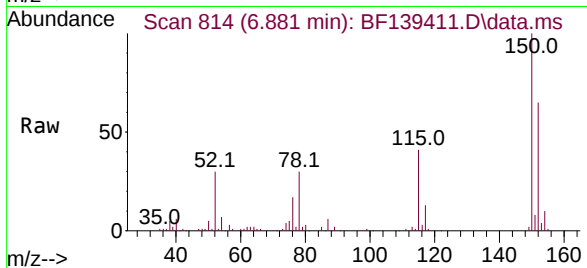
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

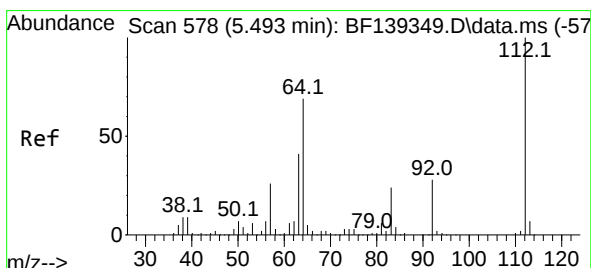
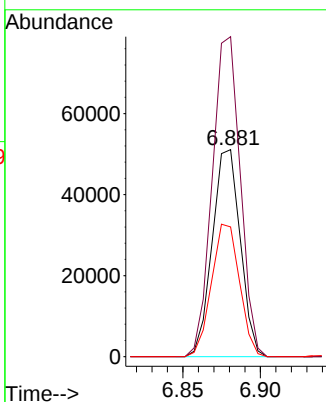
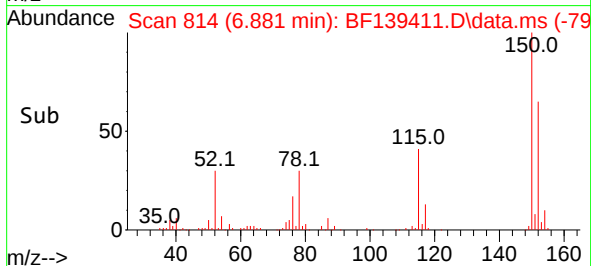


Tgt Ion:152 Resp: 64239
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 62.7 48.1 72.1

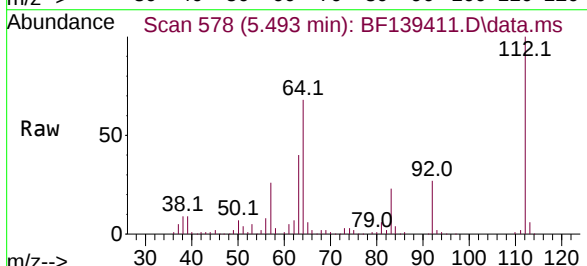
Manual Integrations

APPROVED

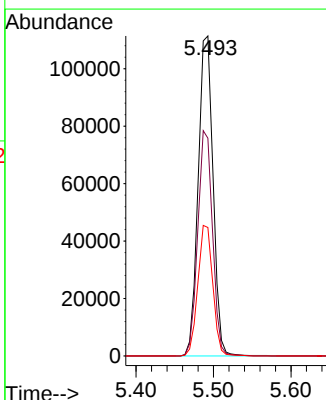
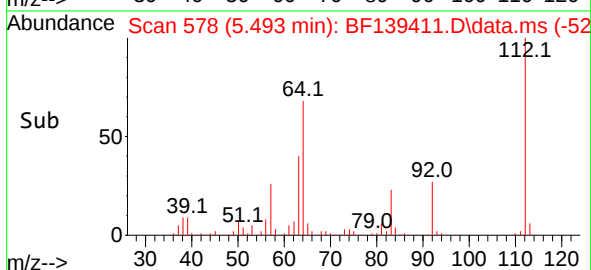
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

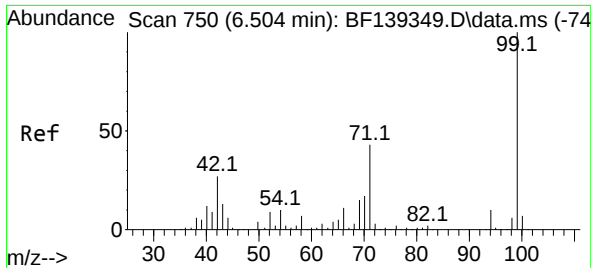


#5
2-Fluorophenol
Concen: 37.788 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30



Tgt Ion:112 Resp: 148801
Ion Ratio Lower Upper
112 100
64 68.0 54.8 82.2
63 40.1 33.0 49.4





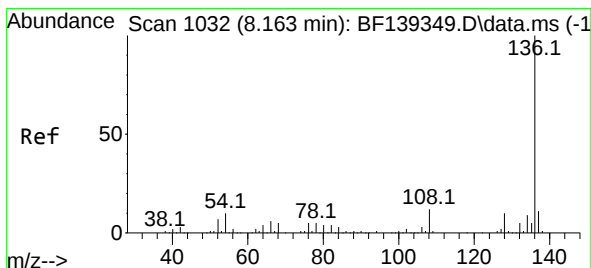
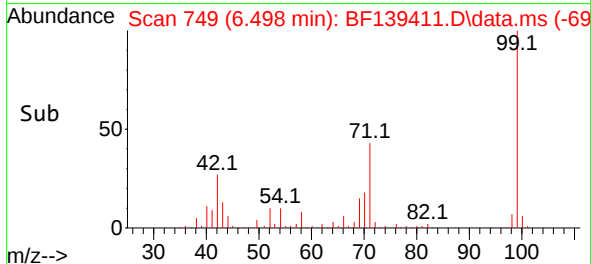
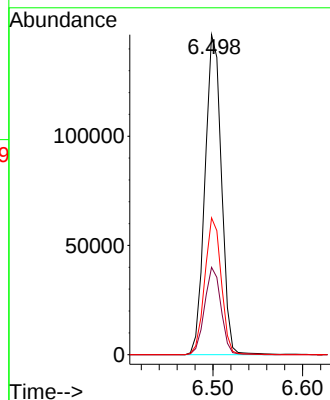
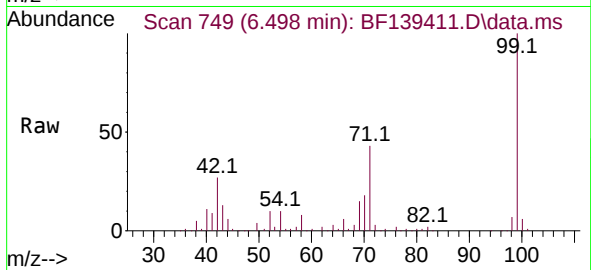
#7
Phenol-d6
Concen: 36.152 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

Tgt Ion: 99 Resp: 18685
Ion Ratio Lower Upper
99 100
42 27.3 21.9 32.9
71 42.7 34.6 52.0

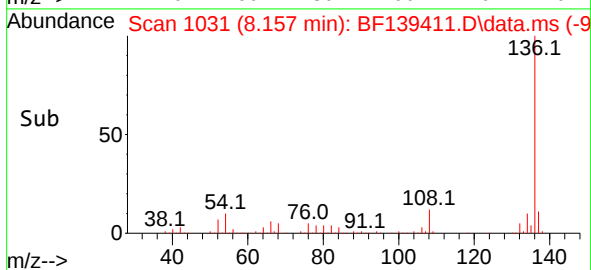
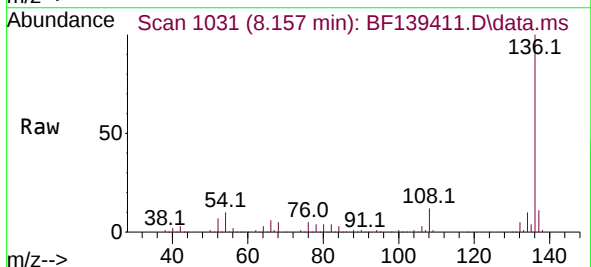
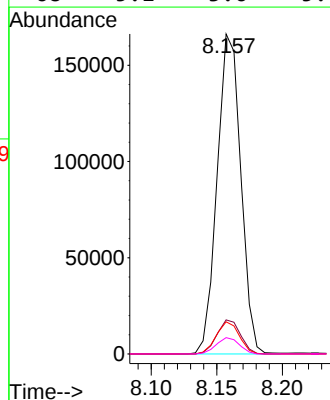
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:136 Resp: 208488
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.1 7.8 11.8
68 5.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 28.517 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139411.D

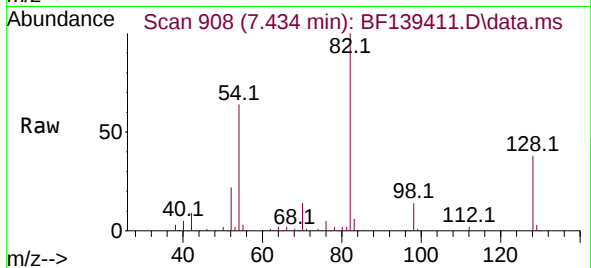
Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP



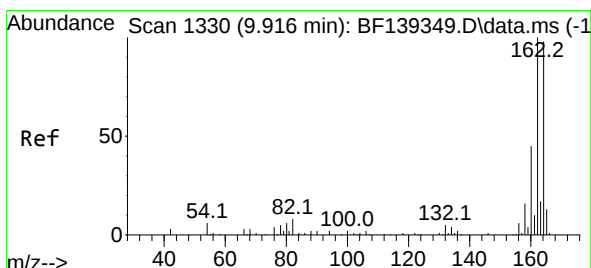
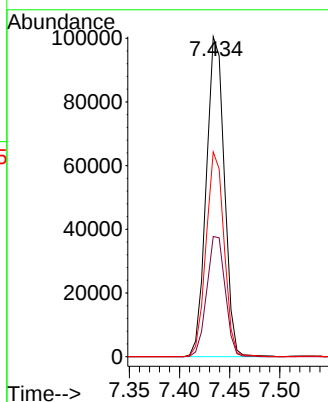
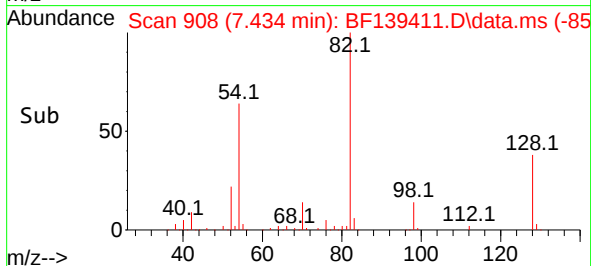
Tgt Ion: 82 Resp: 126469

Ion	Ratio	Lower	Upper
82	100		
128	37.6	31.8	47.6
54	64.0	50.6	75.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

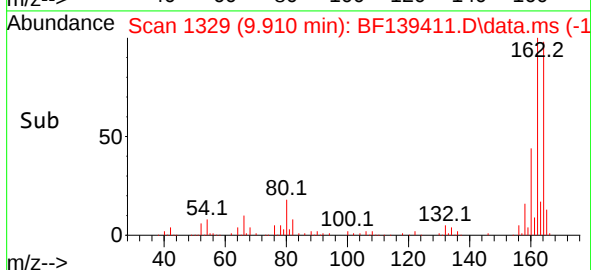
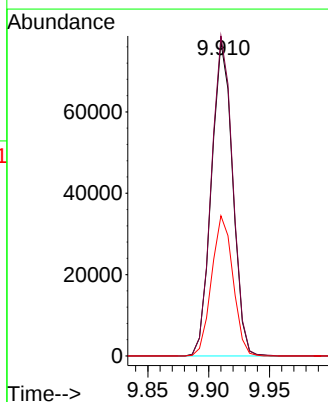
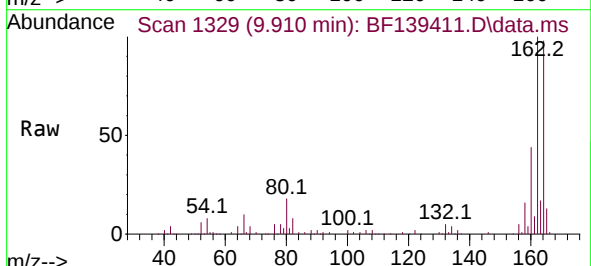
Delta R.T. -0.006 min

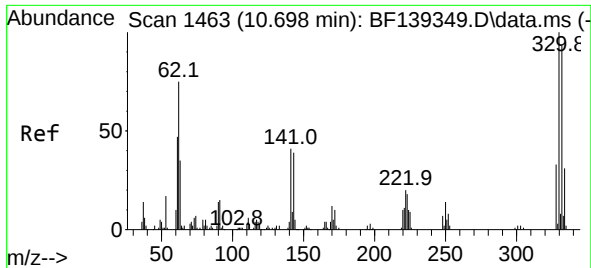
Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Tgt Ion:164 Resp: 93687

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.3	121.9
160	44.6	36.4	54.6





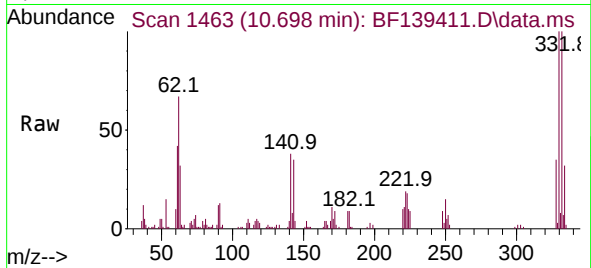
#42
2,4,6-Tribromophenol
Concen: 34.375 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

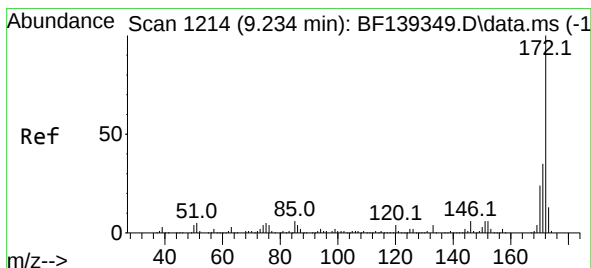
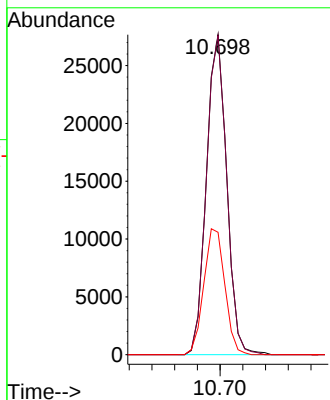
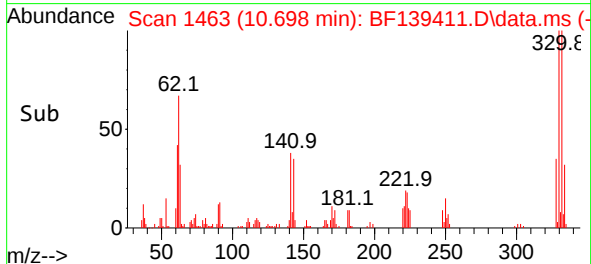


Tgt Ion:330 Resp: 34280
Ion Ratio Lower Upper
330 100
332 99.6 75.2 112.8
141 40.8 31.2 46.8

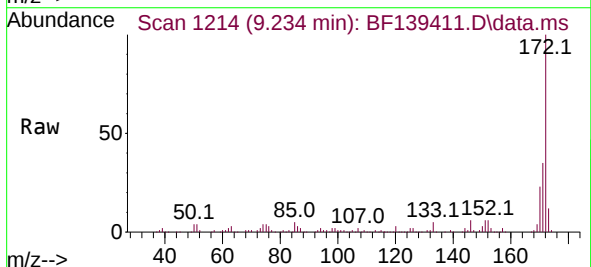
Manual Integrations

APPROVED

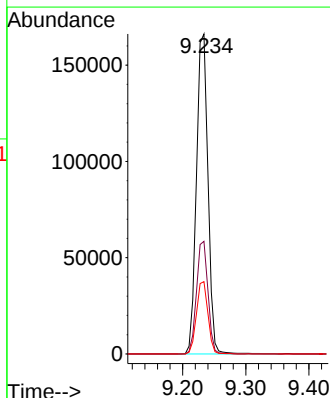
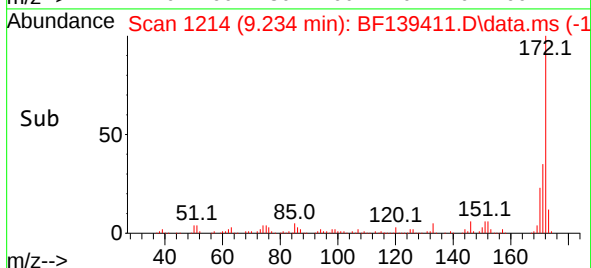
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

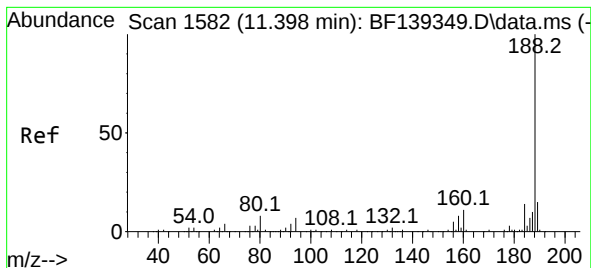


#45
2-Fluorobiphenyl
Concen: 31.484 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30



Tgt Ion:172 Resp: 210310
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 22.6 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: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

Tgt Ion:188 Resp: 16419

Ion Ratio Lower Upper

188 100

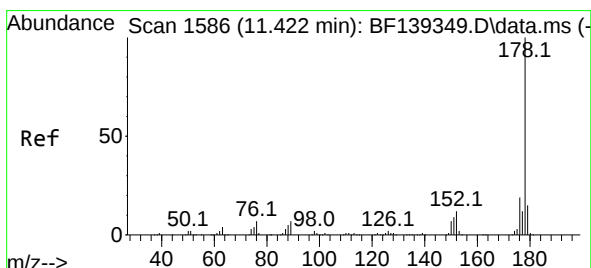
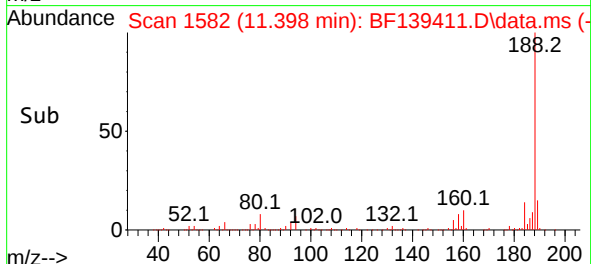
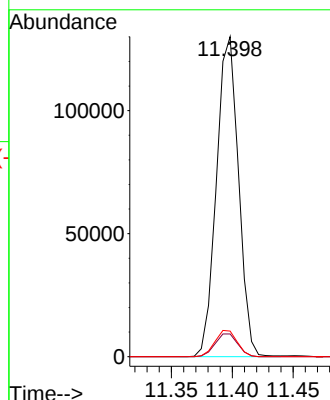
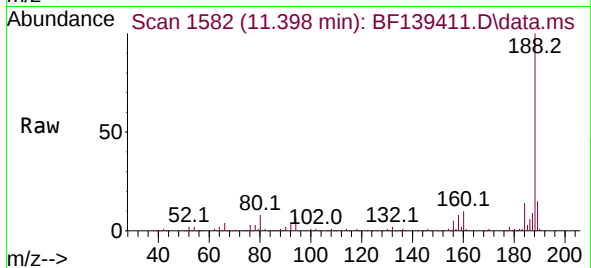
94 7.1 5.5 8.3

80 8.0 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#71

Phenanthrene

Concen: 22.015 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

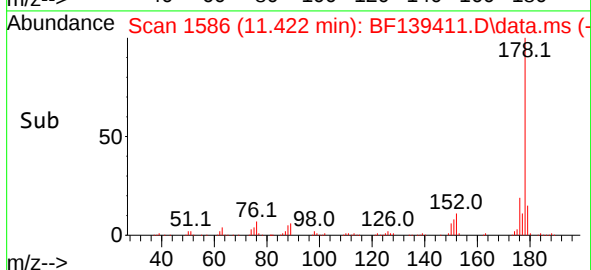
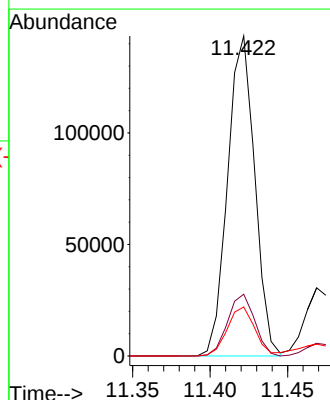
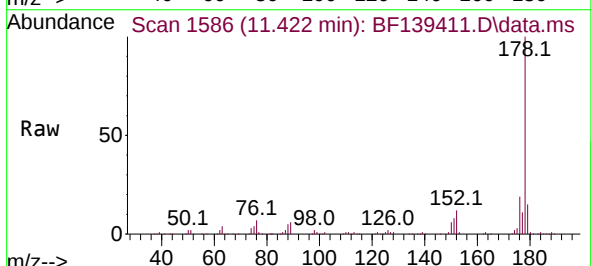
Tgt Ion:178 Resp: 174400

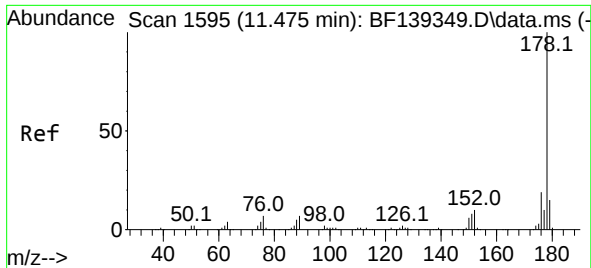
Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

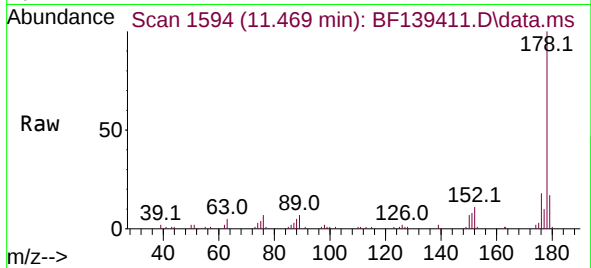
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 5.093 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF139411.D
 Acq: 17 Sep 2024 19:30

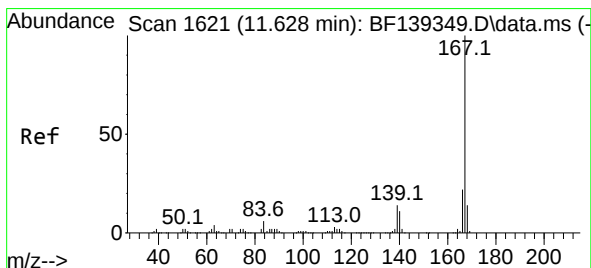
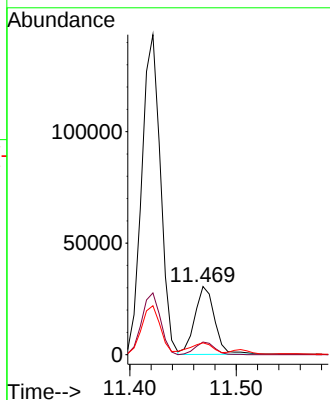
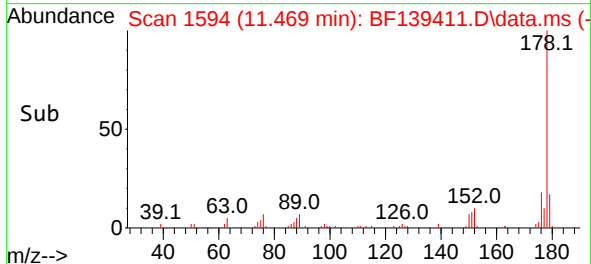
Instrument :
 BNA_F
 ClientSampleId :
 WC-C-COMP



Tgt Ion:178 Resp: 39440
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 17.4 12.0 18.0

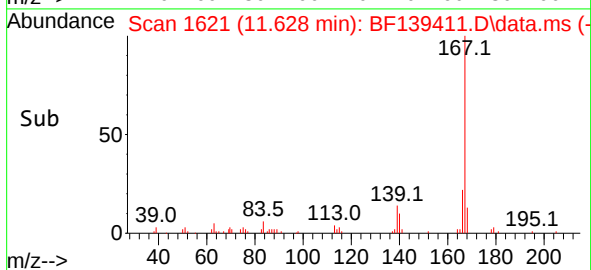
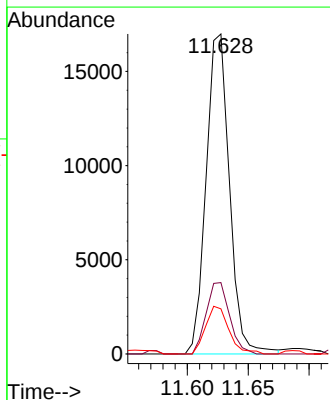
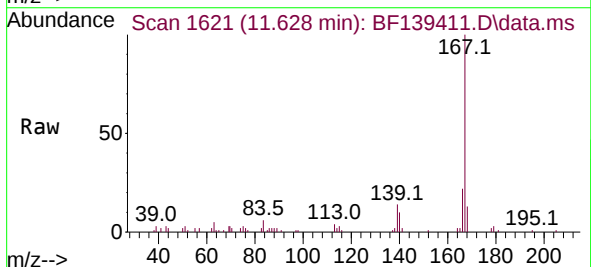
Manual Integrations
 APPROVED

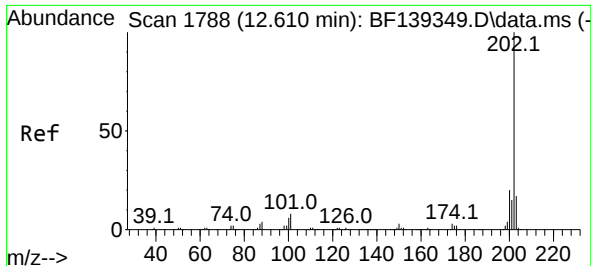
Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#73
 Carbazole
 Concen: 3.059 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139411.D
 Acq: 17 Sep 2024 19:30

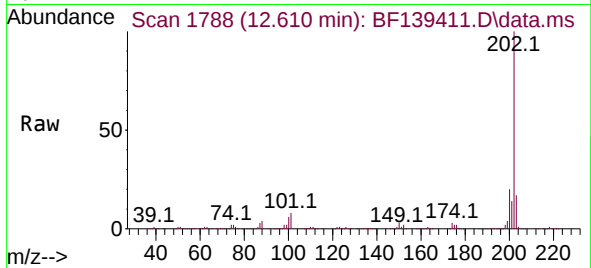
Tgt Ion:167 Resp: 22678
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.5 26.3
 139 14.1 10.9 16.3





#75
Fluoranthene
Concen: 36.036 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

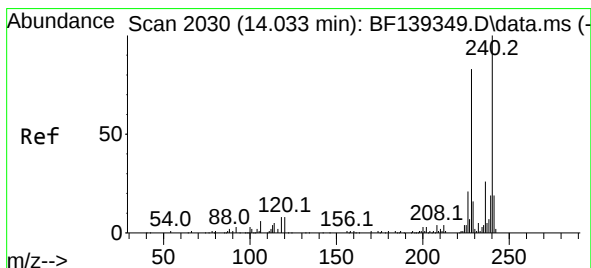
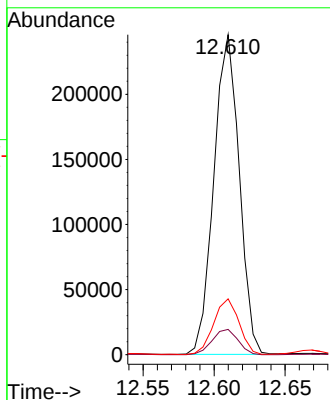
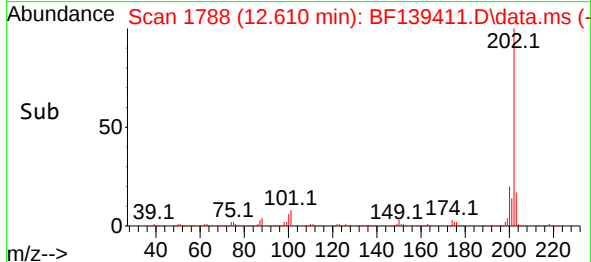
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP



Tgt Ion:202 Resp: 304850
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.7
203 17.5 0.0 37.4

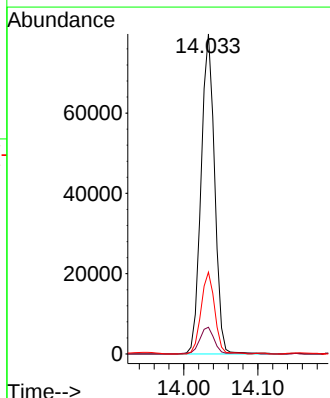
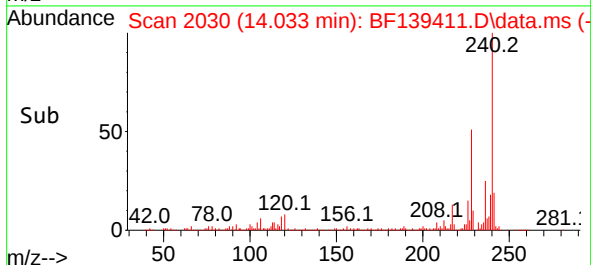
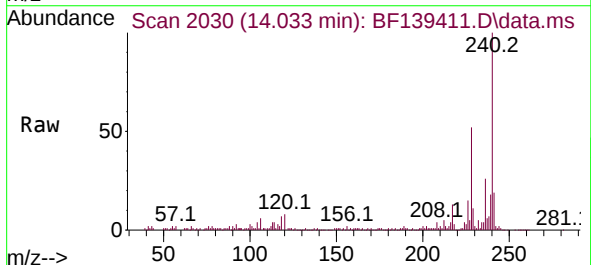
Manual Integrations
APPROVED

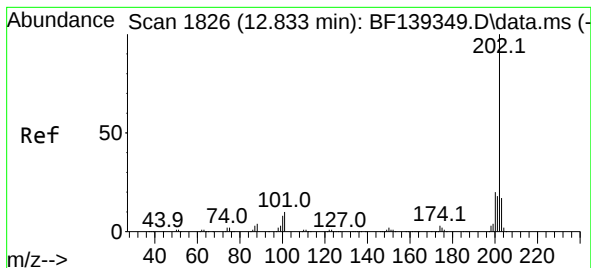
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:240 Resp: 101207
Ion Ratio Lower Upper
240 100
120 8.4 6.2 9.2
236 25.6 20.9 31.3





#78

Pyrene

Concen: 30.176 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

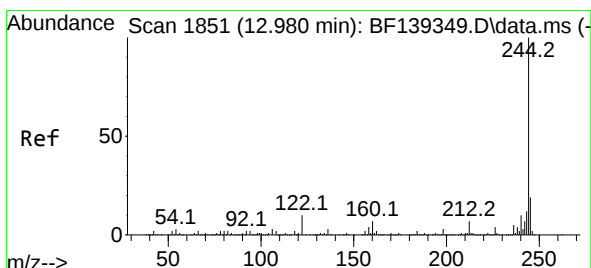
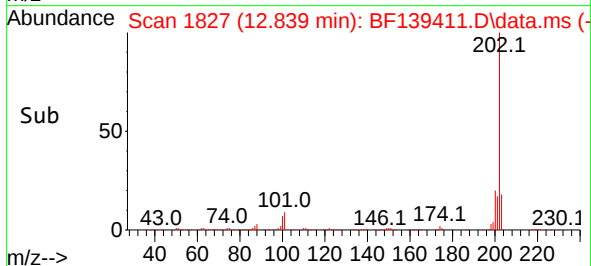
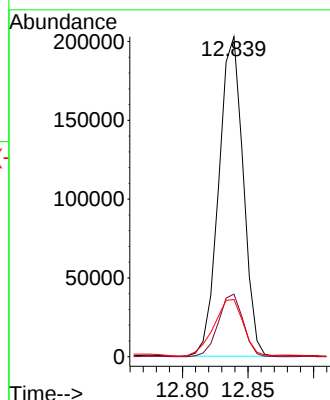
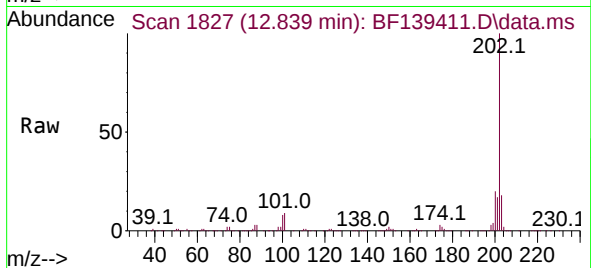
WC-C-COMP

Tgt Ion:202 Resp: 262220
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.2 24.2
 203 17.9 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#79

Terphenyl-d14

Concen: 32.505 ng

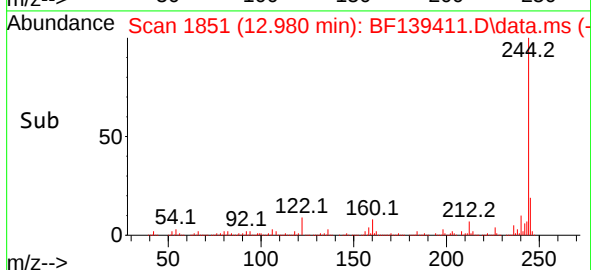
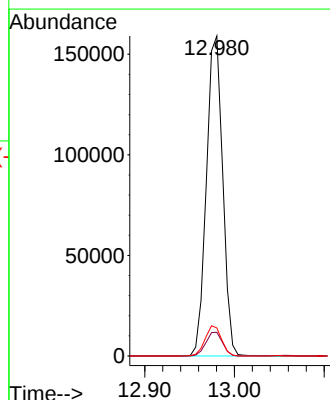
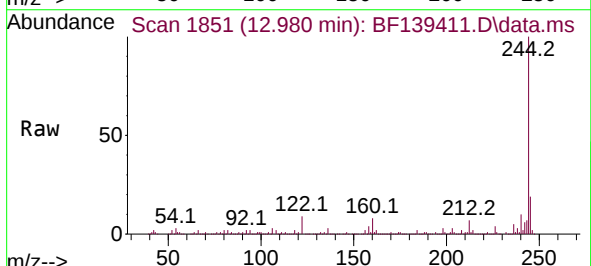
RT: 12.980 min Scan# 1851

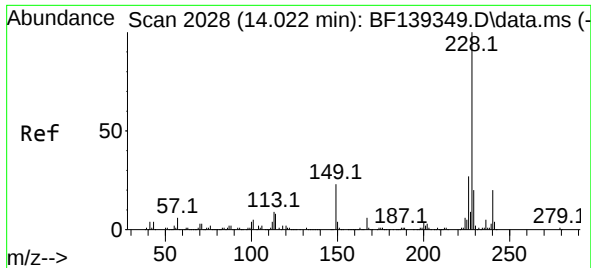
Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Tgt Ion:244 Resp: 200423
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 8.8 7.6 11.4





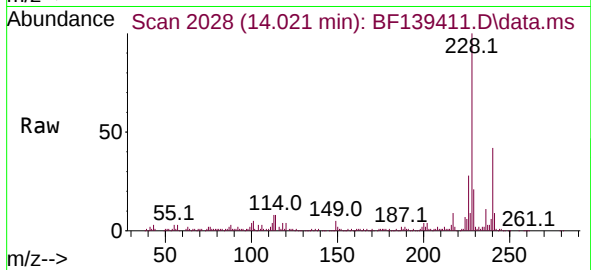
#81
Benzo(a)anthracene
Concen: 16.823 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

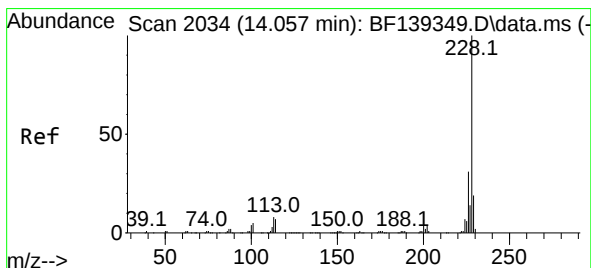
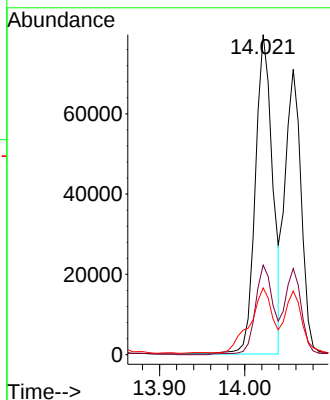
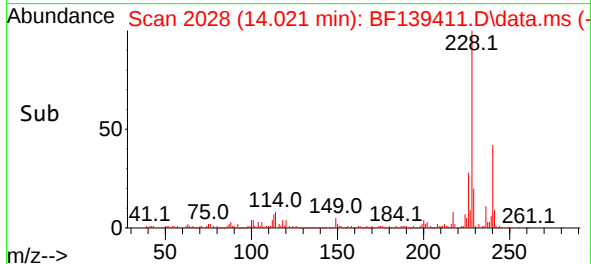


Tgt Ion:228 Resp: 11278
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 20.9 15.7 23.5

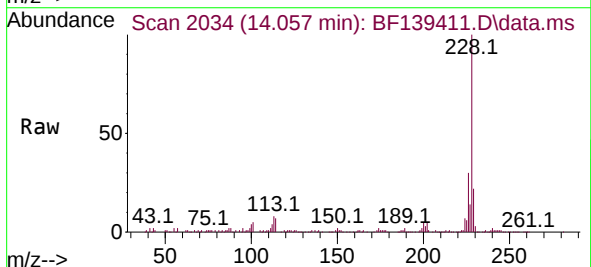
Manual Integrations

APPROVED

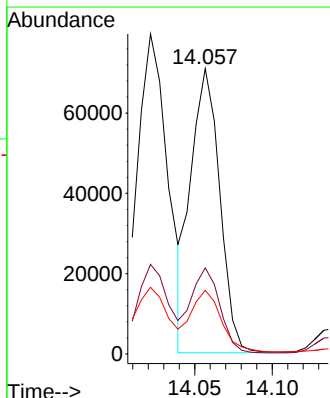
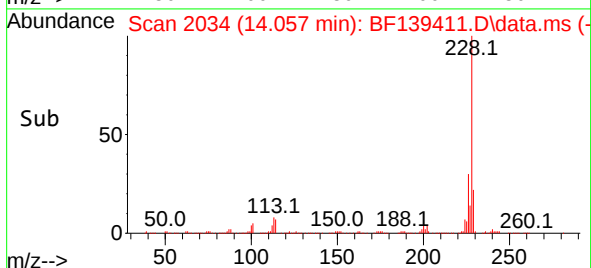
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

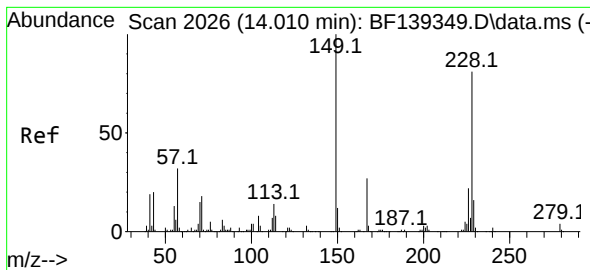


#83
Chrysene
Concen: 14.880 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30



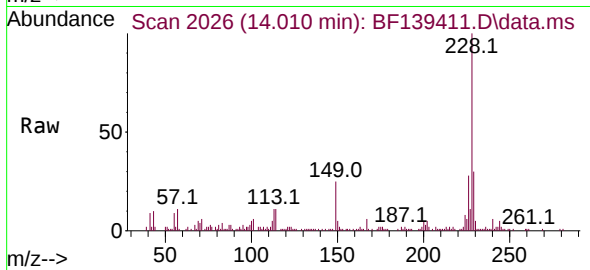
Tgt Ion:228 Resp: 91772
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 22.3 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.549 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

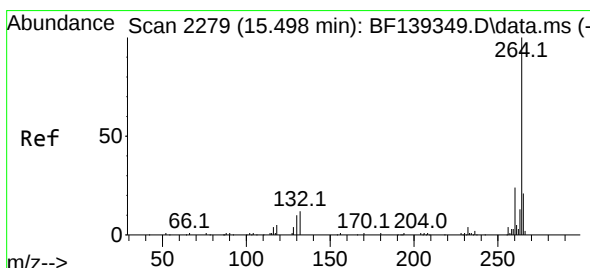
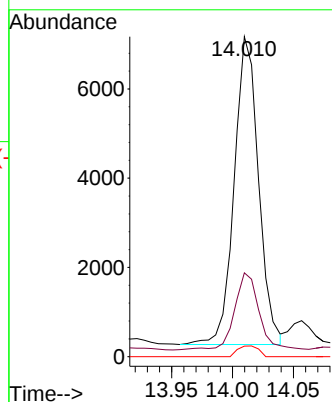
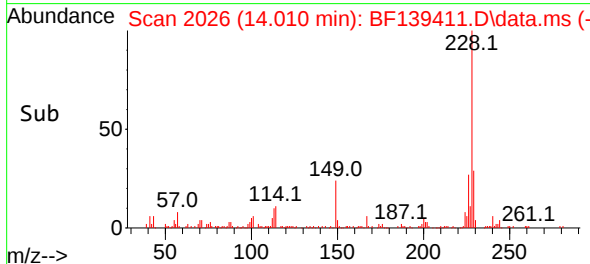
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP



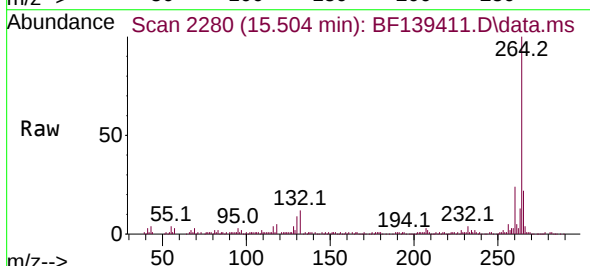
Tgt Ion:149 Resp: 959
Ion Ratio Lower Upper
149 100
167 26.2 21.6 32.4
279 3.3 3.3 4.9

Manual Integrations
APPROVED

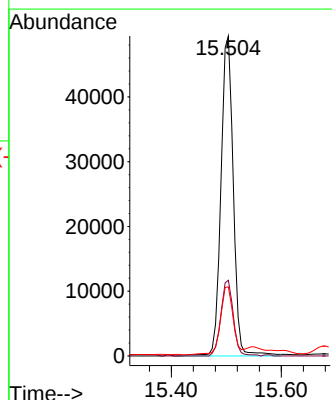
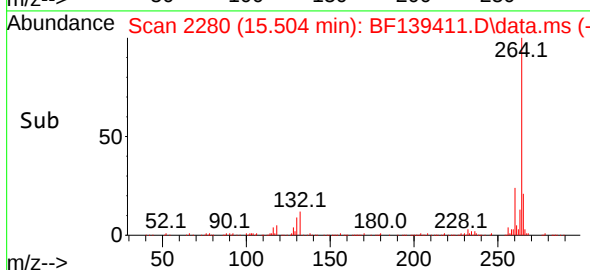
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

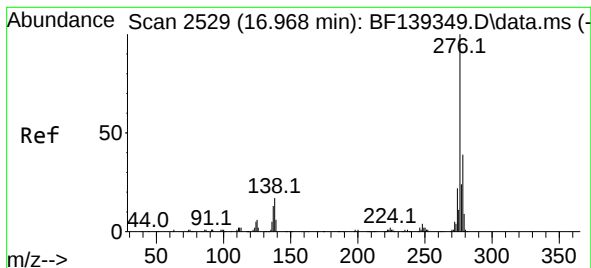


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30



Tgt Ion:264 Resp: 77017
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.963 ng m

RT: 16.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

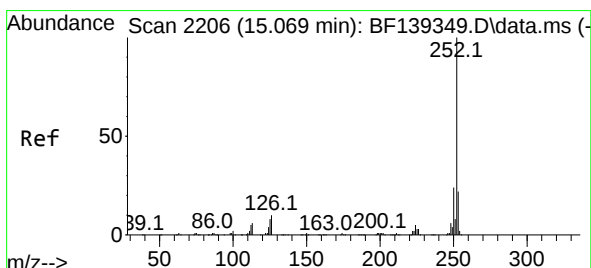
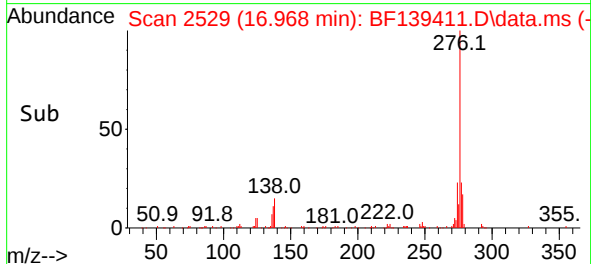
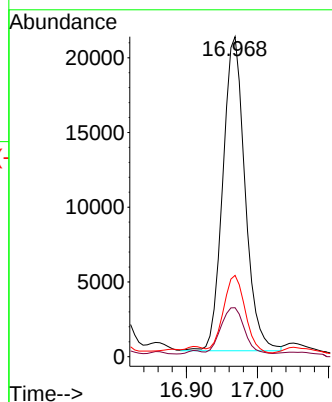
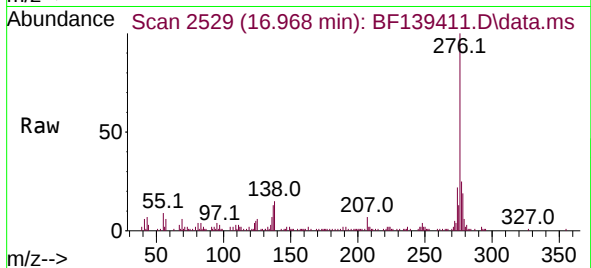
Tgt Ion:276 Resp: 4562

Ion	Ratio	Lower	Upper
276	100		
138	3.1	15.4	23.2
277	5.0	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 19.778 ng m

RT: 15.074 min Scan# 2207

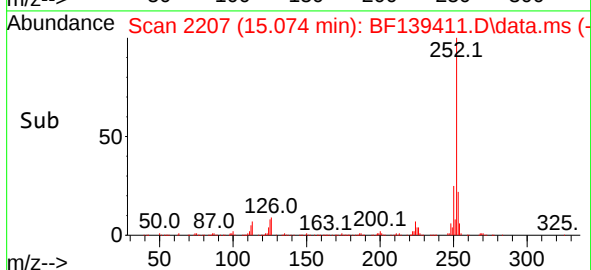
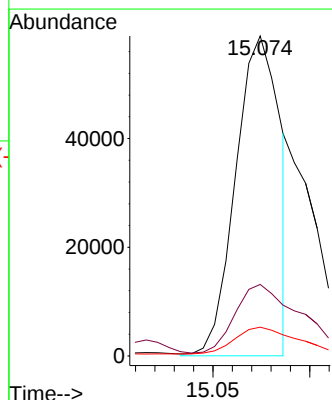
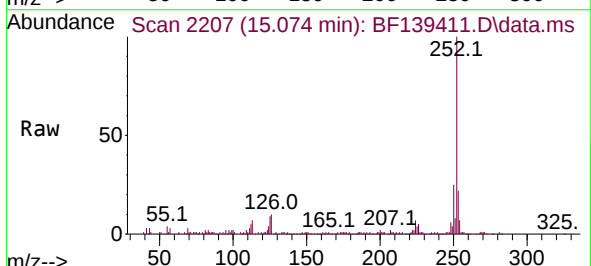
Delta R.T. 0.006 min

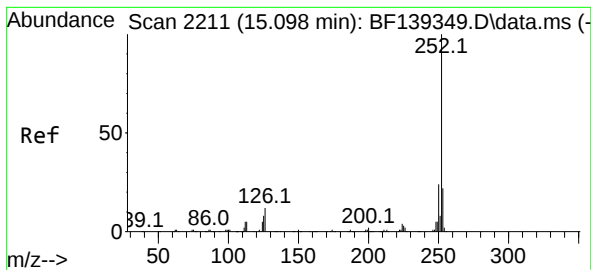
Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Tgt Ion:252 Resp: 93946

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	9.0	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 8.909 ng m

RT: 15.086 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

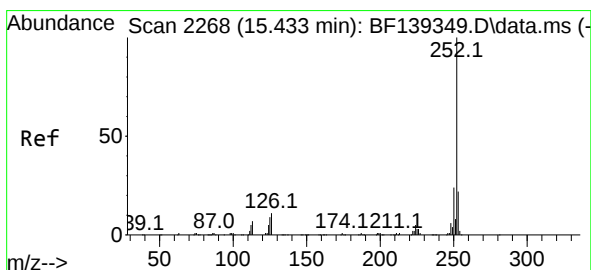
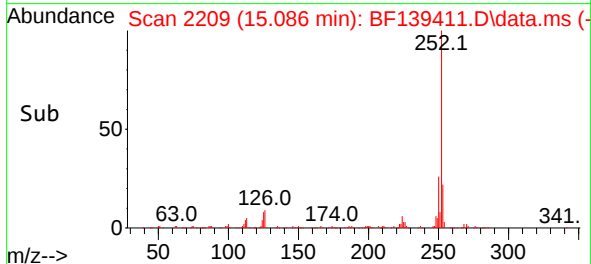
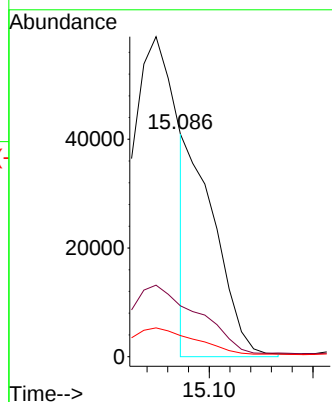
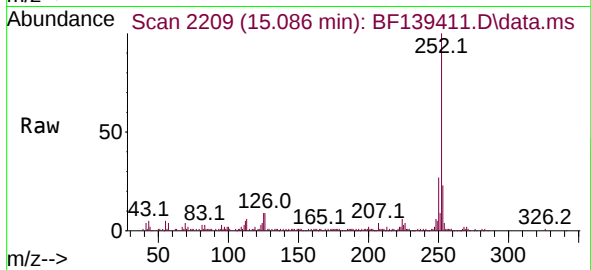
Tgt Ion:252 Resp: 39019

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	9.5	5.9	8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#90

Benzo(a)pyrene

Concen: 15.866 ng

RT: 15.439 min Scan# 2269

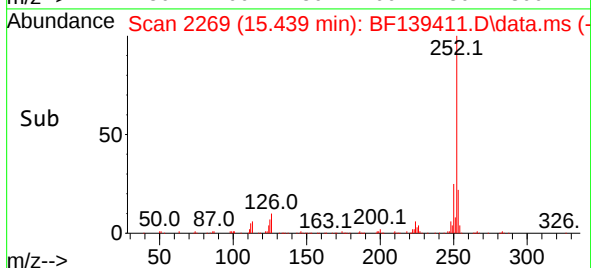
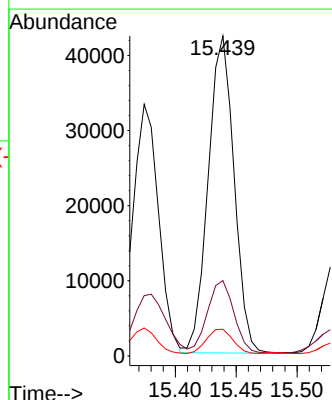
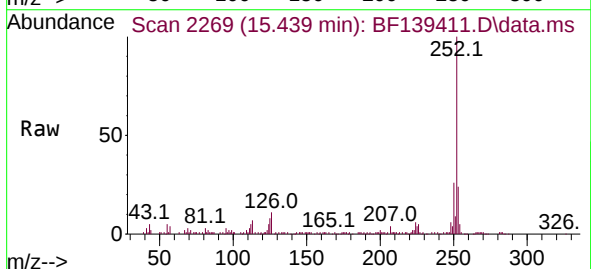
Delta R.T. 0.006 min

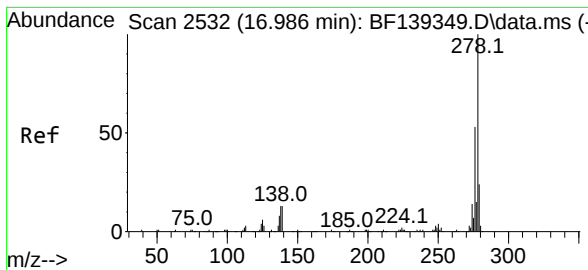
Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Tgt Ion:252 Resp: 62500

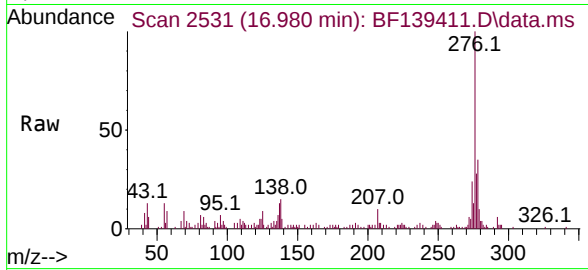
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	8.4	6.8	10.2





#91
Dibenzo(a,h)anthracene
Concen: 2.811 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

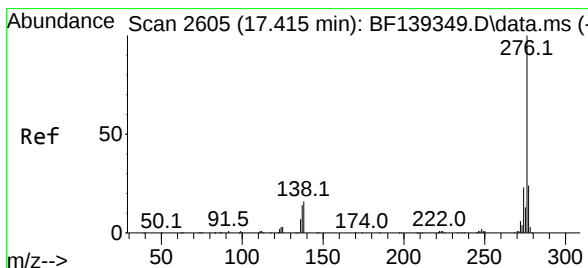
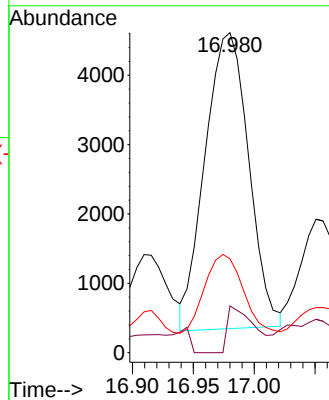
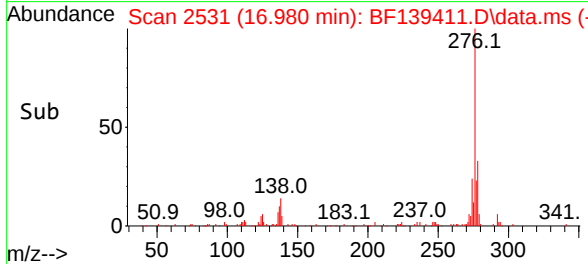
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP



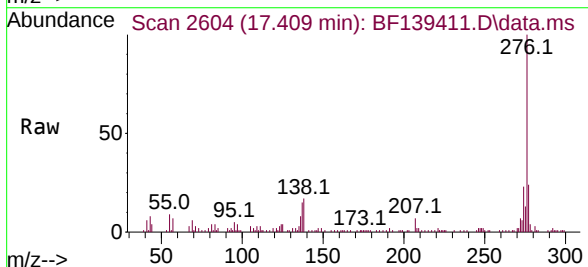
Tgt Ion: 278 Resp: 10638
Ion Ratio Lower Upper
278 100
139 14.6 10.2 15.2
279 29.3 18.9 28.3

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 09/18/2024
Supervised By : mohammad ahmed 09/19/2024



#92
Benzo(g,h,i)perylene
Concen: 12.243 ng
RT: 17.409 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30



Tgt Ion: 276 Resp: 45875
Ion Ratio Lower Upper
276 100
277 24.1 18.9 28.3
138 17.2 13.0 19.6

