

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139449.D
 Acq On : 19 Sep 2024 02:26
 Operator : RC/JU
 Sample : P4097-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2299

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 03:32:53 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	54345	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	176890	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	77557	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	140730	20.000	ng	0.00
76) Chrysene-d12	14.033	240	87116	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	73760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	278107	83.483	ng	0.00
7) Phenol-d6	6.504	99	349247	79.873	ng	0.00
23) Nitrobenzene-d5	7.439	82	218143	57.975	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	63889	77.377	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	301344	54.494	ng	0.00
79) Terphenyl-d14	12.980	244	298795	56.297	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	20939	4.467	ng	98
55) Dibenzofuran	10.116	168	15304	2.343	ng	# 97
58) Fluorene	10.457	166	26883	5.044	ng	97
71) Phenanthrene	11.422	178	288370	42.472	ng	99
72) Anthracene	11.474	178	87636	13.201	ng	99
73) Carbazole	11.627	167	35144	5.531	ng	97
75) Fluoranthene	12.616	202	513146	70.771	ng	100
78) Pyrene	12.845	202	436723	58.385	ng	99
81) Benzo(a)anthracene	14.027	228	175958	30.492	ng	99
83) Chrysene	14.063	228	143434	27.017	ng	97
84) Bis(2-ethylhexyl)phtha...	14.015	149	7315	2.258	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.974	276	54850	12.506	ng	96
88) Benzo(b)fluoranthene	15.080	252	147458m	32.415	ng	
89) Benzo(k)fluoranthene	15.092	252	53791m	12.825	ng	
90) Benzo(a)pyrene	15.445	252	98712	26.165	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	11822	3.262	ng	# 81
92) Benzo(g,h,i)perylene	17.421	276	50585	14.097	ng	98

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

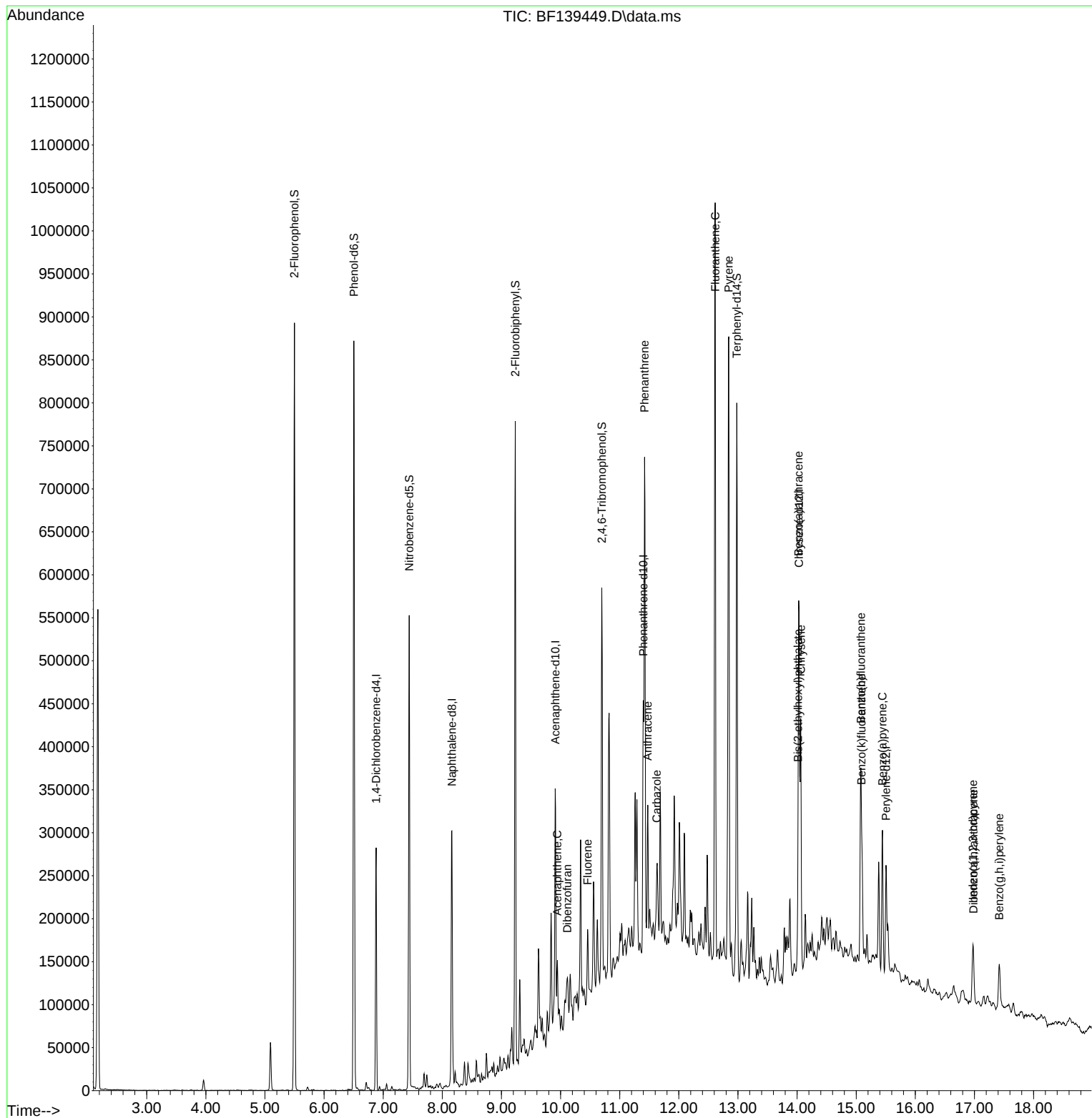
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
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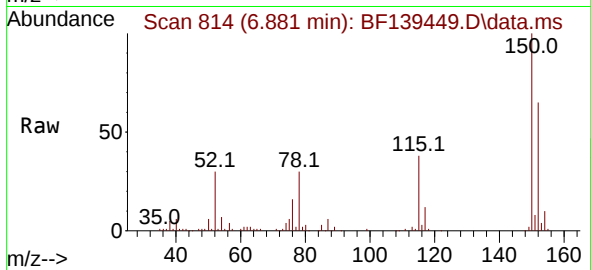
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

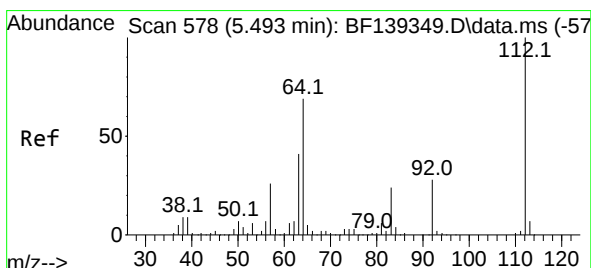
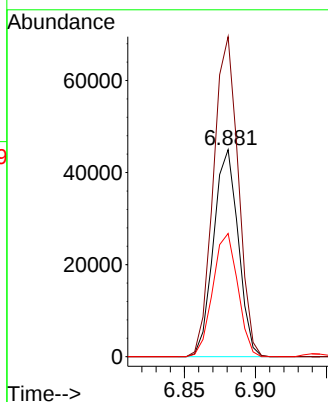
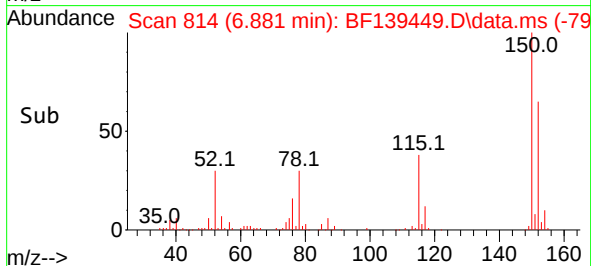
Instrument :
BNA_F
ClientSampleId :
RT2299



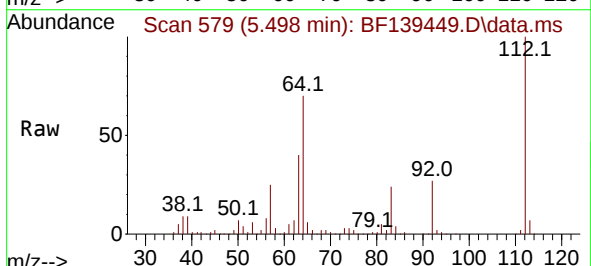
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Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 59.5 48.1 72.1

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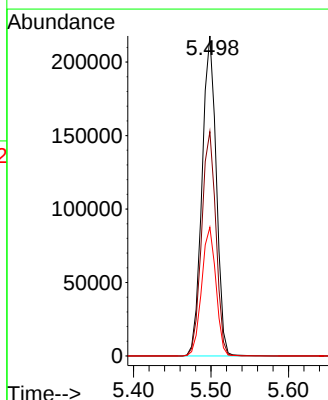
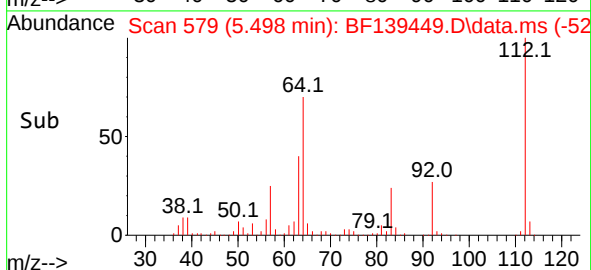
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#5
2-Fluorophenol
Concen: 83.483 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26



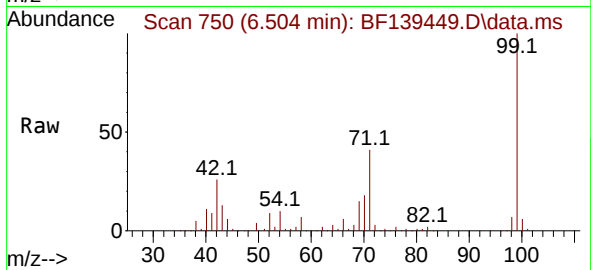
Tgt Ion:112 Resp: 278107
Ion Ratio Lower Upper
112 100
64 70.1 54.8 82.2
63 40.2 33.0 49.4





#7
Phenol-d6
Concen: 79.873 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

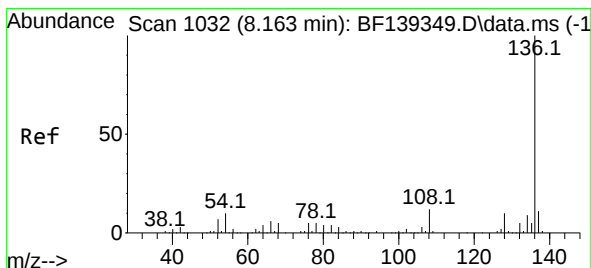
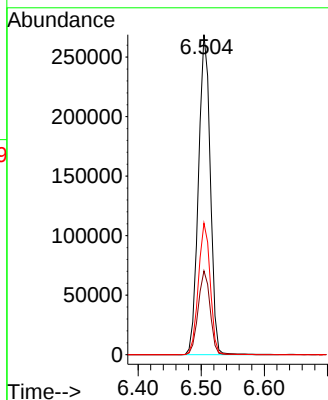
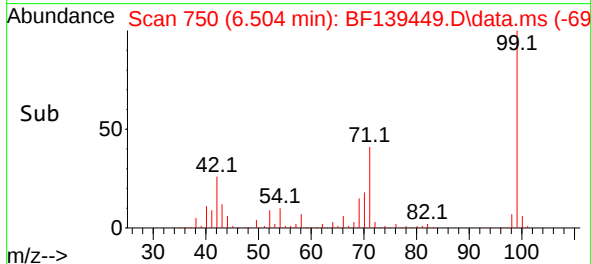
Instrument :
BNA_F
ClientSampleId :
RT2299



Tgt Ion: 99 Resp: 34924
Ion Ratio Lower Upper
99 100
42 26.2 21.9 32.9
71 41.1 34.6 52.0

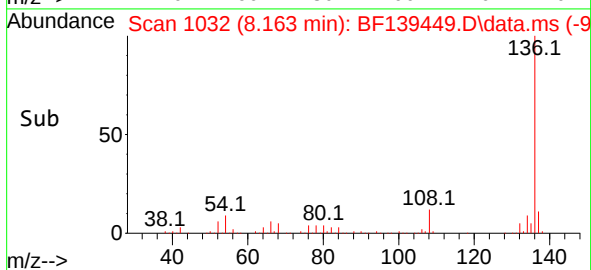
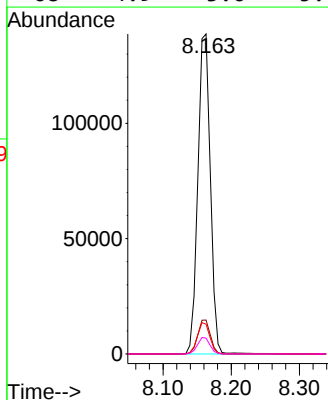
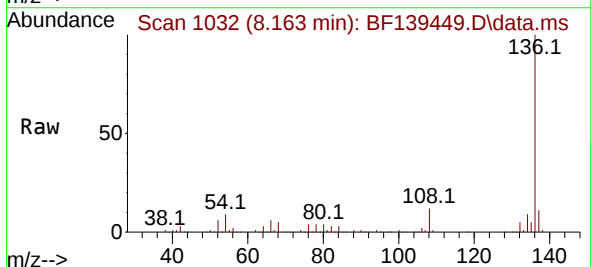
Manual Integrations
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Supervised By :mohammad ahmed 09/20/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion:136 Resp: 176890
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.3 7.8 11.8
68 4.9 3.6 5.4





#23

Nitrobenzene-d5

Concen: 57.975 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

Tgt Ion: 82 Resp: 21814

Ion Ratio Lower Upper

82 100

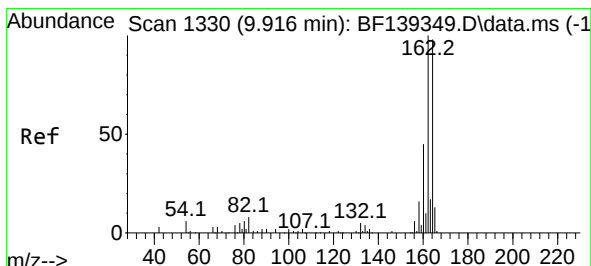
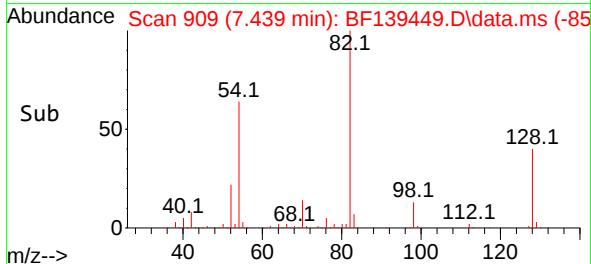
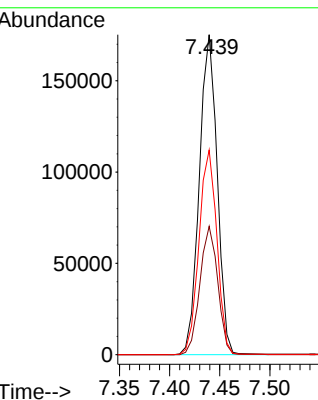
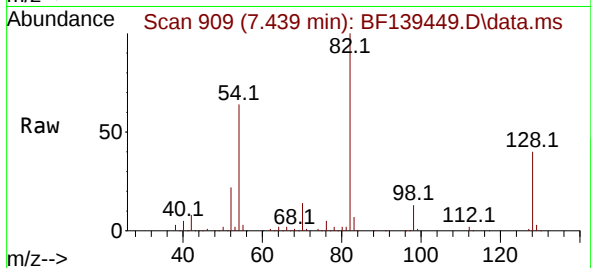
128 40.1 31.8 47.6

54 64.0 50.6 75.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

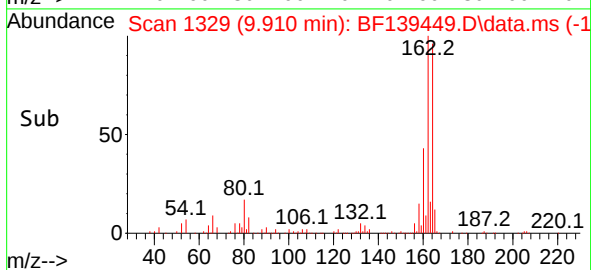
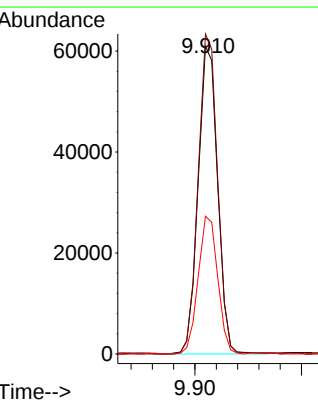
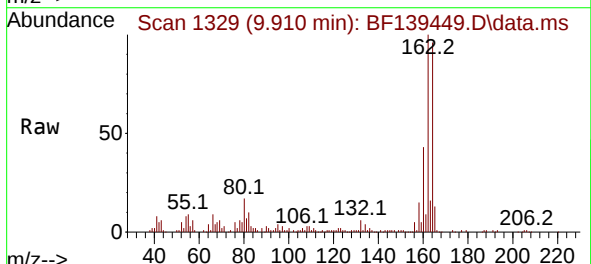
Tgt Ion:164 Resp: 77557

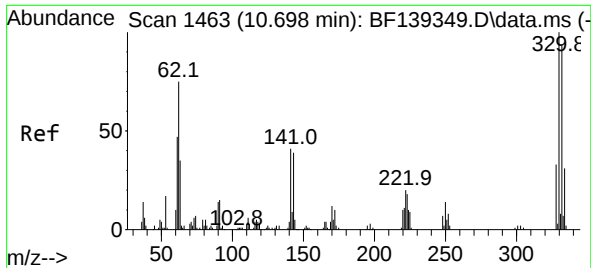
Ion Ratio Lower Upper

164 100

162 104.0 81.3 121.9

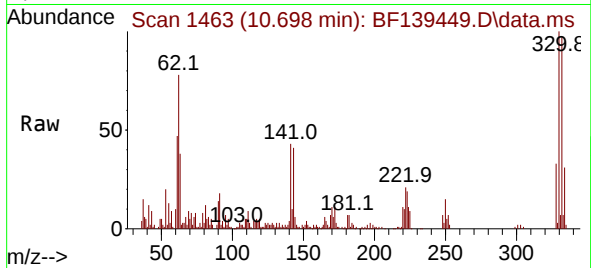
160 44.8 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 77.377 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

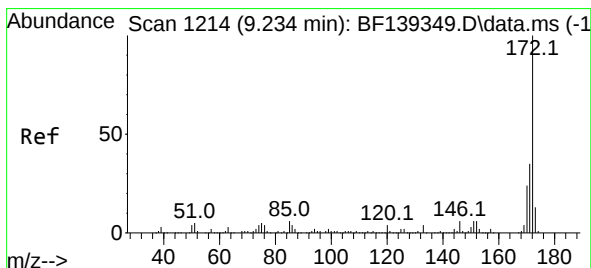
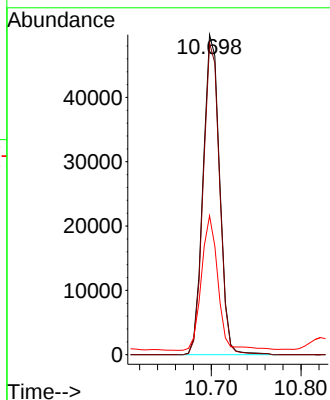
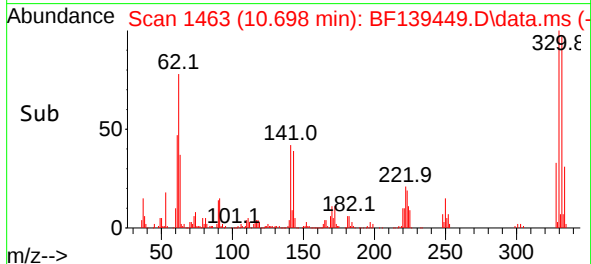
Instrument :
BNA_F
ClientSampleId :
RT2299



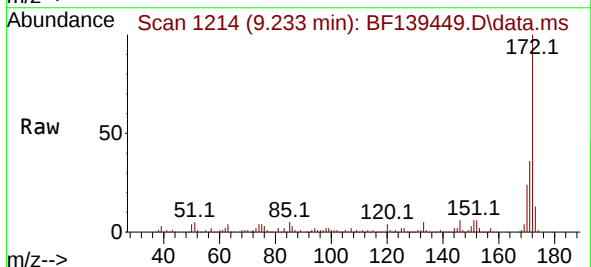
Tgt Ion:330 Resp: 63889
Ion Ratio Lower Upper
330 100
332 96.3 75.2 112.8
141 42.1 31.2 46.8

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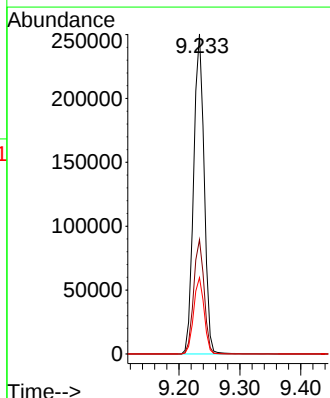
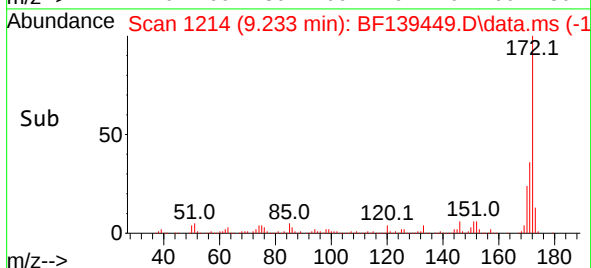
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

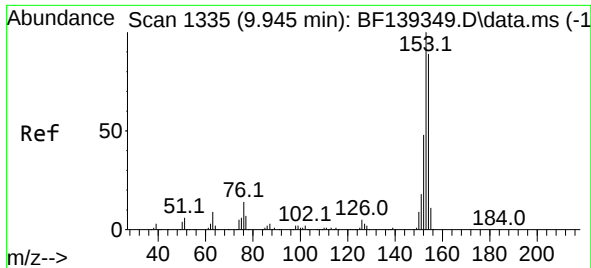


#45
2-Fluorobiphenyl
Concen: 54.494 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26



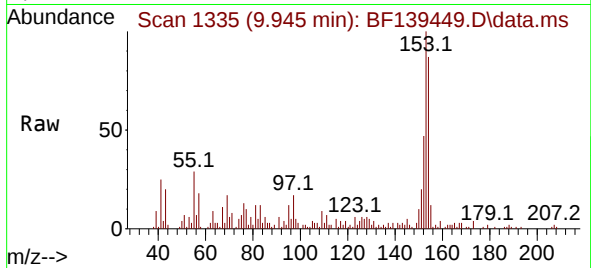
Tgt Ion:172 Resp: 301344
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.9 19.0 28.6





#52
Acenaphthene
Concen: 4.467 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

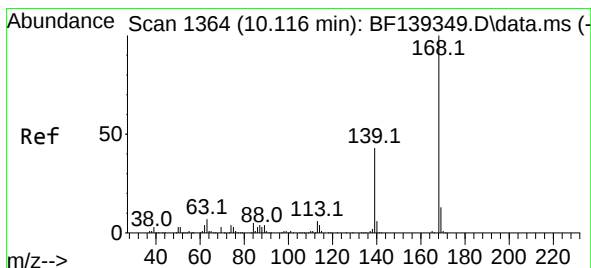
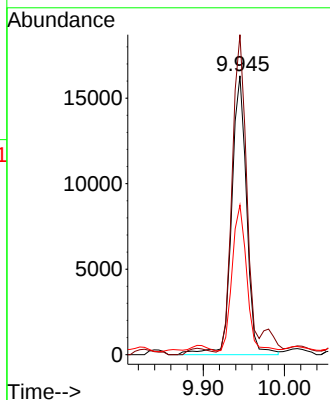
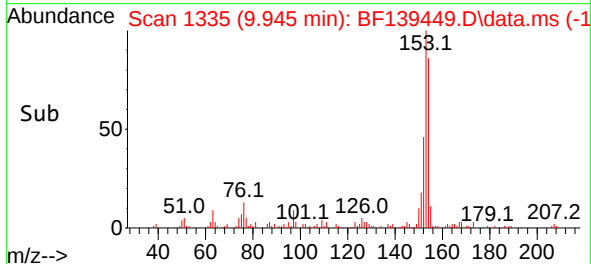
Instrument :
BNA_F
ClientSampleId :
RT2299



Tgt Ion:154 Resp: 20939
Ion Ratio Lower Upper
154 100
153 114.8 89.5 134.3
152 53.6 42.6 64.0

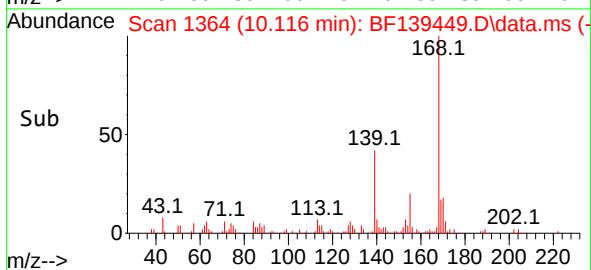
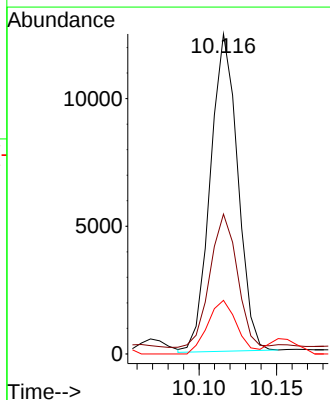
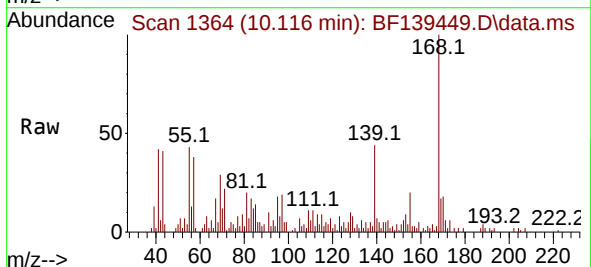
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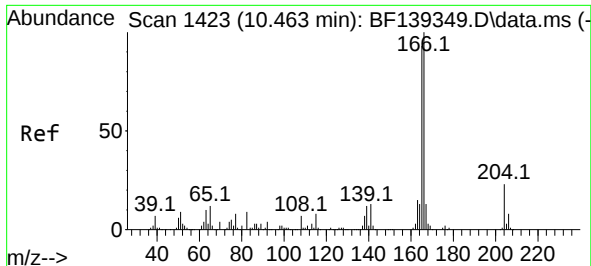
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#55
Dibenzofuran
Concen: 2.343 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

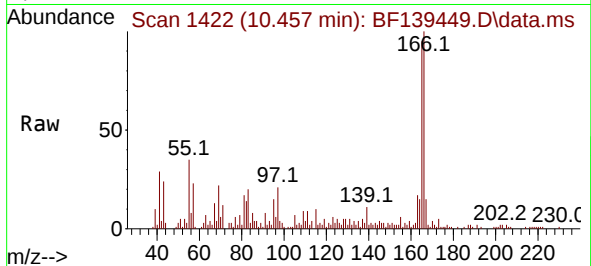
Tgt Ion:168 Resp: 15304
Ion Ratio Lower Upper
168 100
139 43.7 34.1 51.1
169 16.8 10.5 15.7#





#58
Fluorene
Concen: 5.044 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

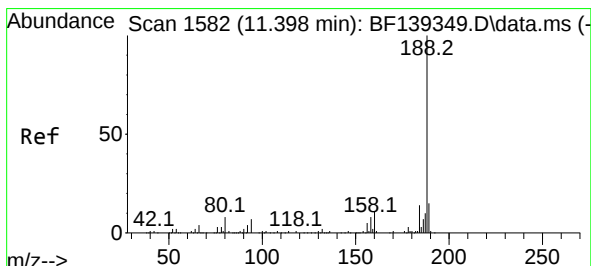
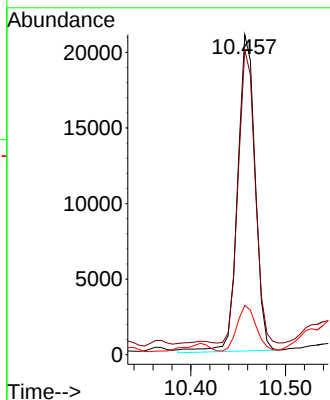
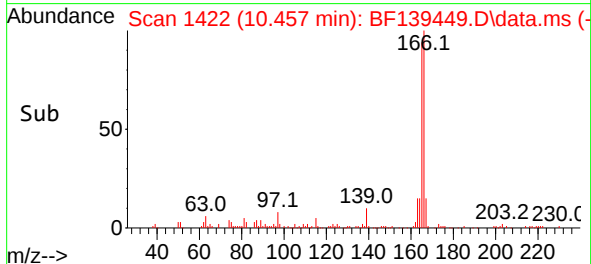
Instrument :
BNA_F
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RT2299



Tgt Ion:166 Resp: 2688
Ion Ratio Lower Upper
166 100
165 95.2 74.5 111.7
167 15.4 10.6 16.0

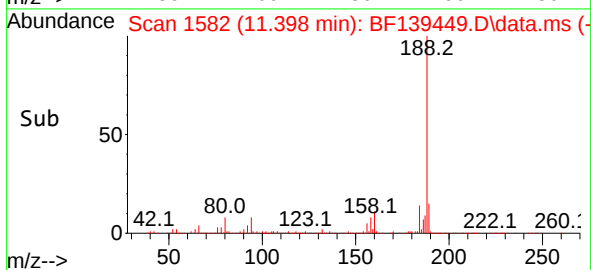
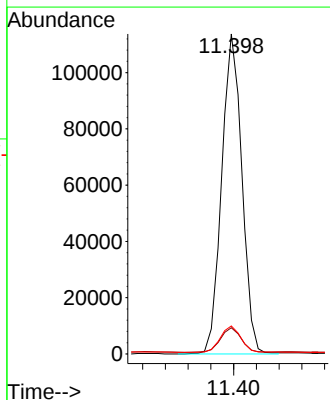
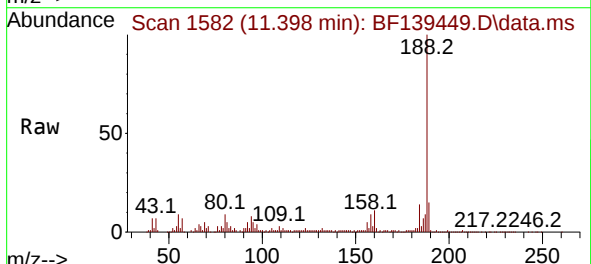
Manual Integrations
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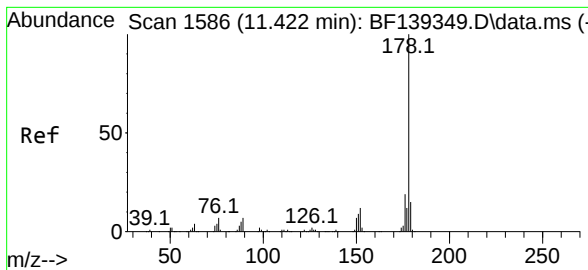
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

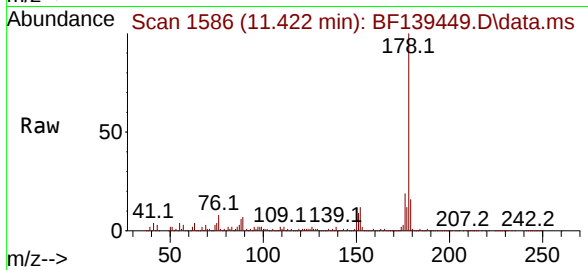
Tgt Ion:188 Resp: 140730
Ion Ratio Lower Upper
188 100
94 8.2 5.5 8.3
80 8.8 6.6 9.8





#71
Phenanthrene
Concen: 42.472 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

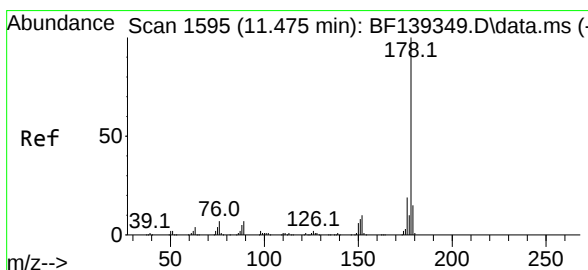
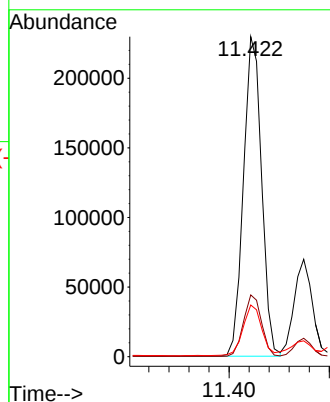
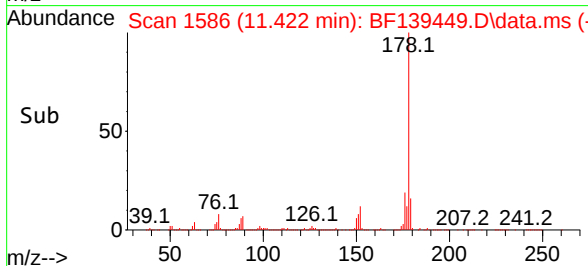
Instrument :
BNA_F
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RT2299



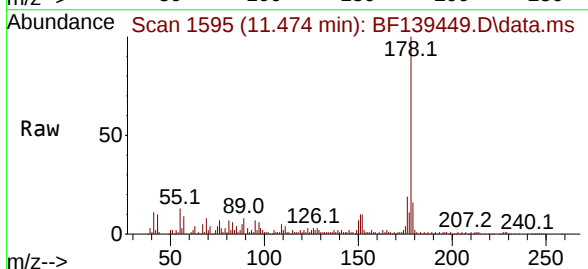
Tgt Ion:178 Resp: 288370
Ion Ratio Lower Upper
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176 19.3 15.2 22.8
179 16.1 12.2 18.4

Manual Integrations
APPROVED

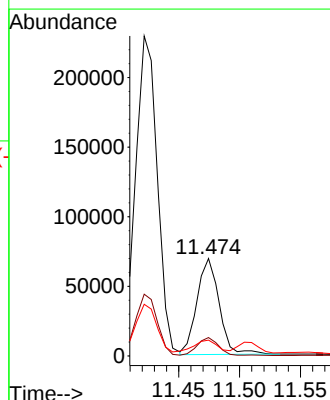
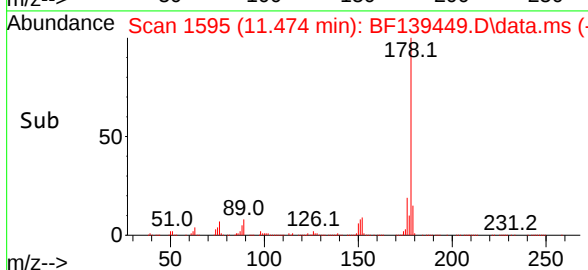
Reviewed By :Jagrut Upadhyay 09/19/2024
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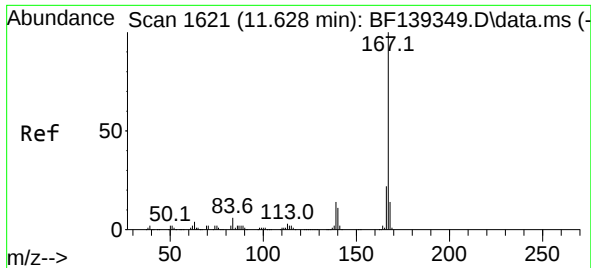


#72
Anthracene
Concen: 13.201 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26



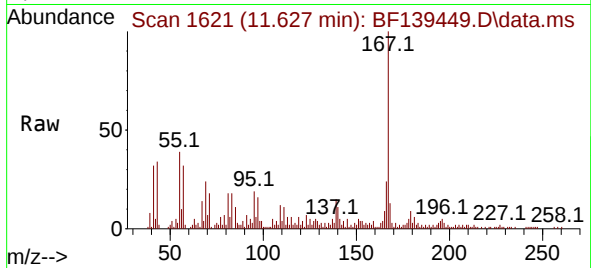
Tgt Ion:178 Resp: 87636
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 16.2 12.0 18.0





#73
 Carbazole
 Concen: 5.531 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

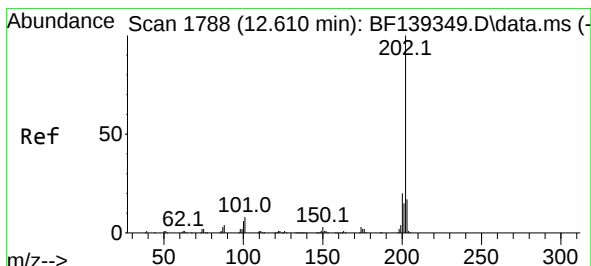
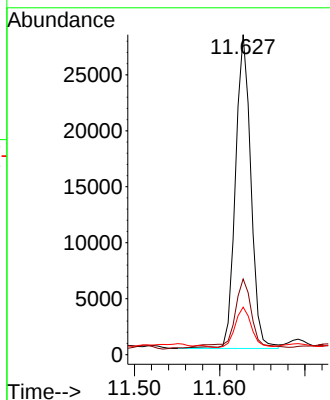
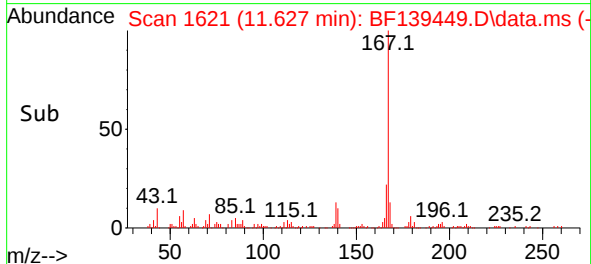
Instrument :
 BNA_F
 ClientSampleId :
 RT2299



Tgt Ion:167 Resp: 35144
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.5 26.3
 139 14.8 10.9 16.3

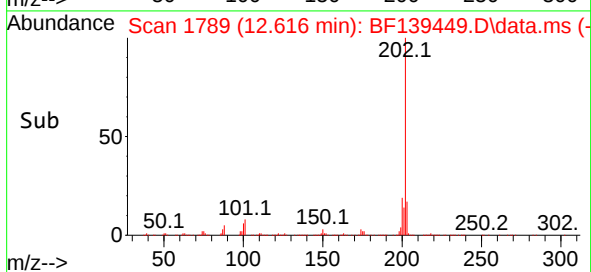
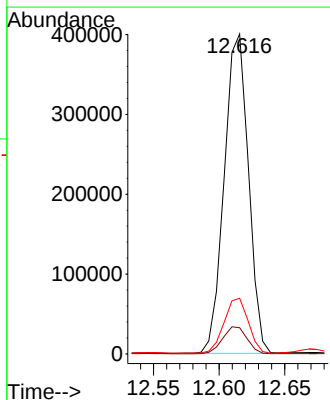
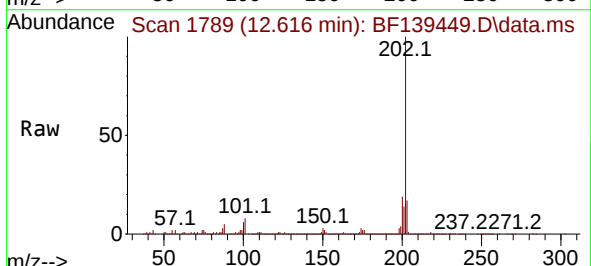
Manual Integrations
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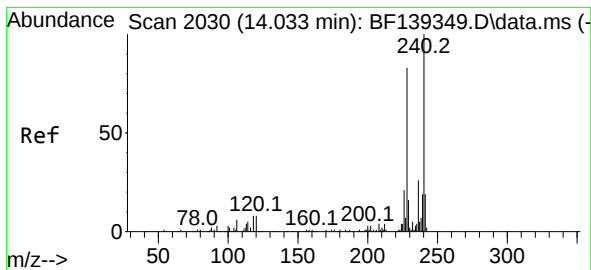
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#75
 Fluoranthene
 Concen: 70.771 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

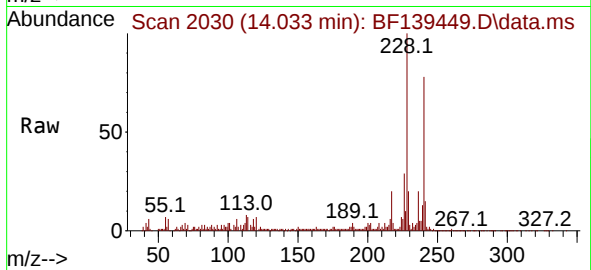
Tgt Ion:202 Resp: 513146
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 27.7
 203 17.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

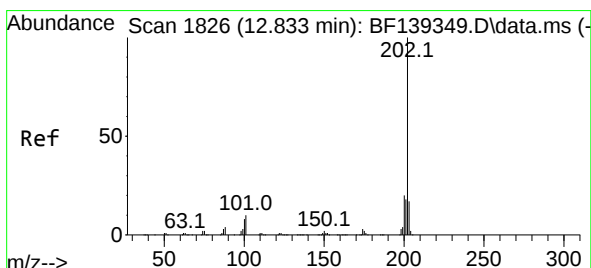
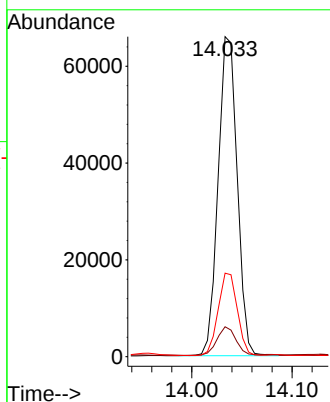
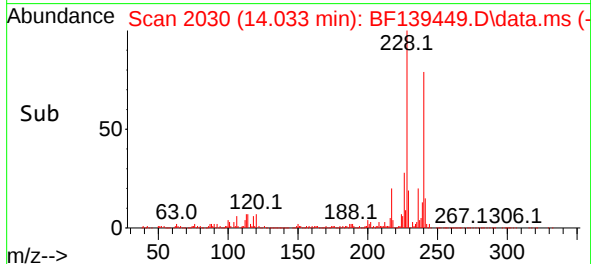
Instrument :
BNA_F
ClientSampleId :
RT2299



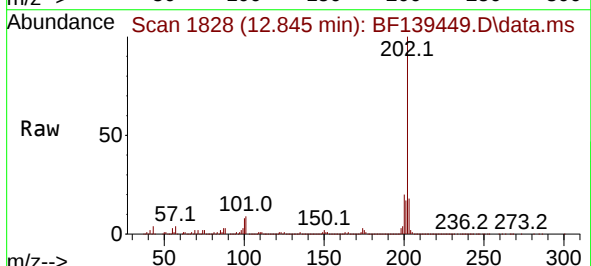
Tgt Ion:240 Resp: 87110
Ion Ratio Lower Upper
240 100
120 9.4 6.2 9.2
236 26.1 20.9 31.3

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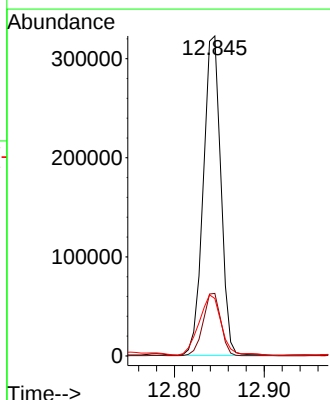
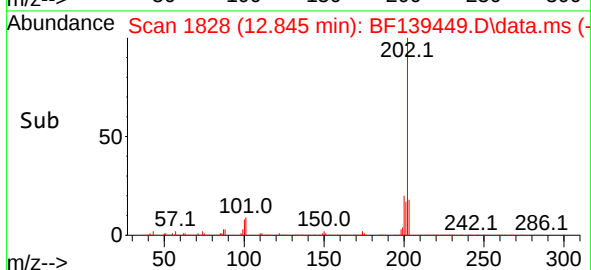
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

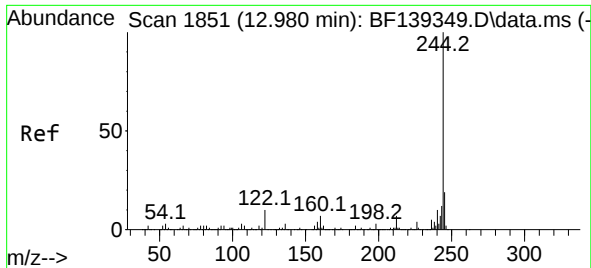


#78
Pyrene
Concen: 58.385 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.012 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26



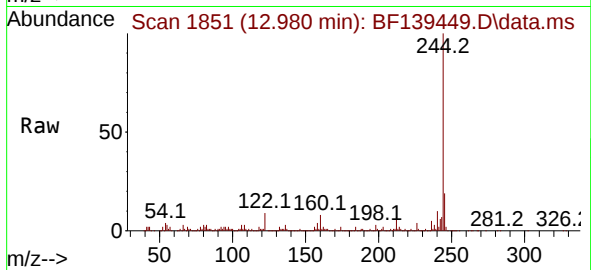
Tgt Ion:202 Resp: 436723
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 17.9 13.9 20.9





#79
 Terphenyl-d14
 Concen: 56.297 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

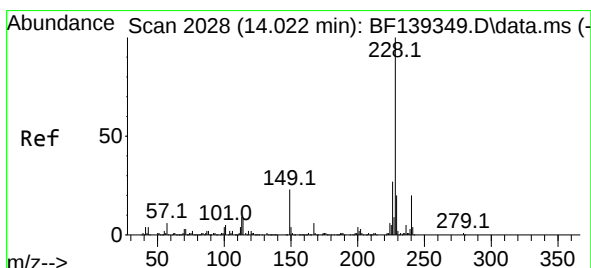
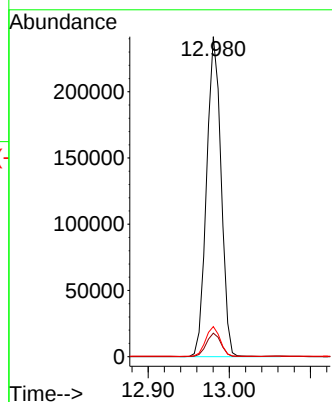
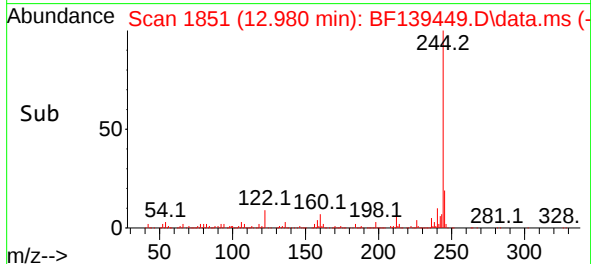
Instrument :
 BNA_F
 ClientSampleId :
 RT2299



Tgt Ion:244 Resp: 298795
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.4 7.6 11.4

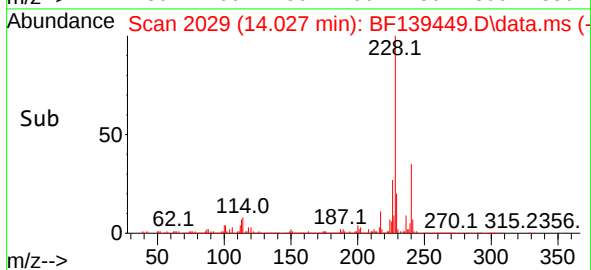
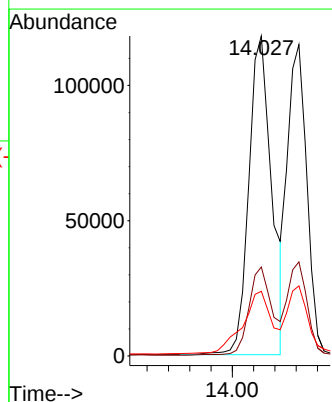
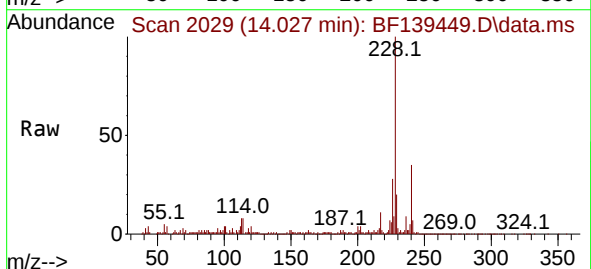
Manual Integrations
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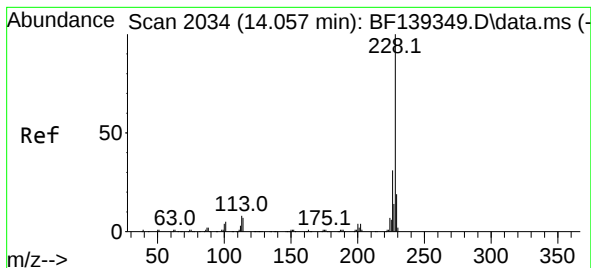
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#81
 Benzo(a)anthracene
 Concen: 30.492 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.006 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

Tgt Ion:228 Resp: 175958
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 20.2 15.7 23.5





#83

Chrysene

Concen: 27.017 ng

RT: 14.063 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

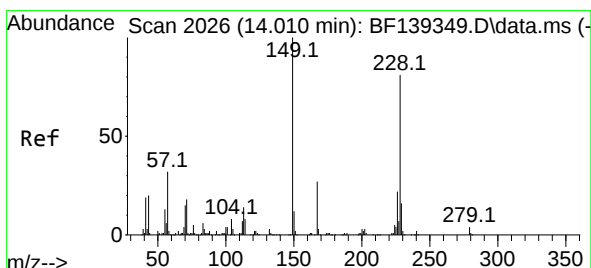
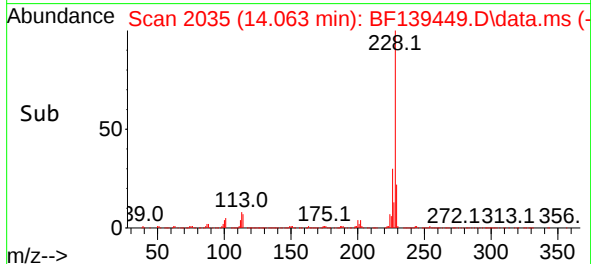
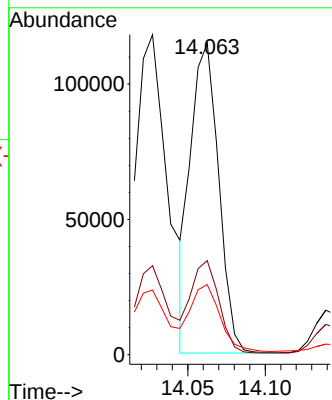
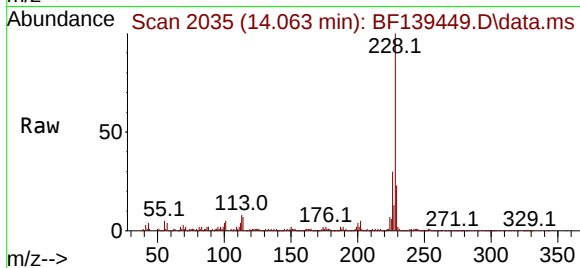
Tgt Ion:228 Resp: 143434

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	22.5	15.4	23.0

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.258 ng

RT: 14.015 min Scan# 2027

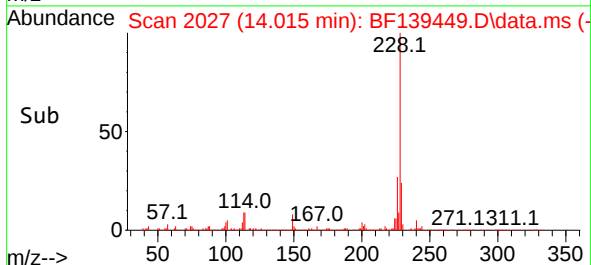
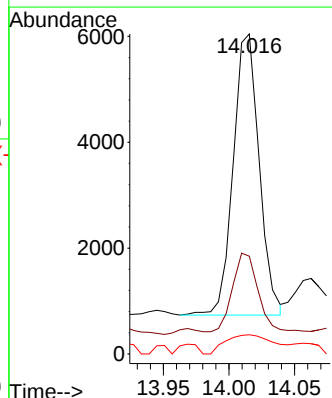
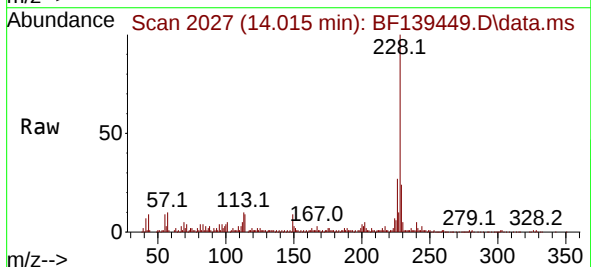
Delta R.T. 0.006 min

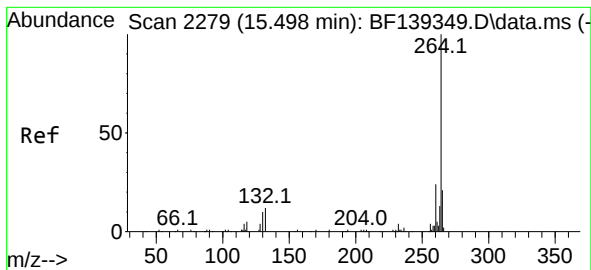
Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Tgt Ion:149 Resp: 7315

Ion	Ratio	Lower	Upper
149	100		
167	30.5	21.6	32.4
279	6.0	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

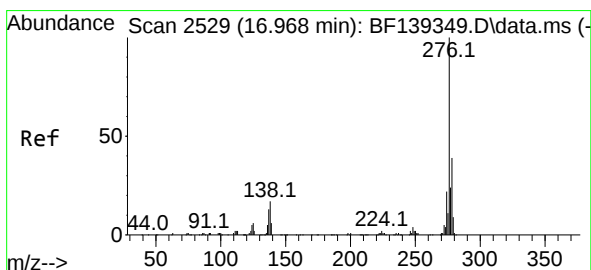
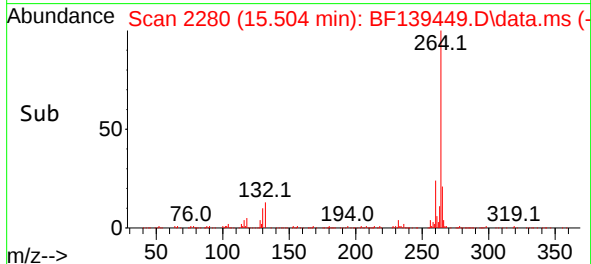
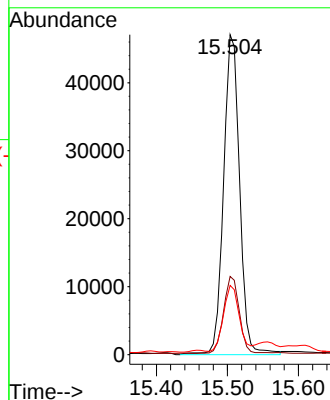
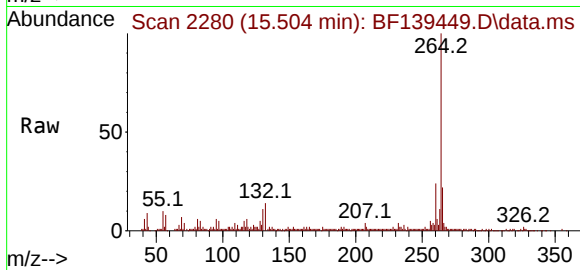
RT2299

Tgt Ion:264	Resp:	73760
Ion Ratio	Lower	Upper
264	100	
260	24.5	19.5 29.3
265	21.6	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: 12.506 ng

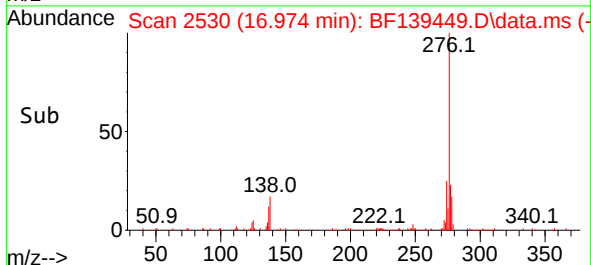
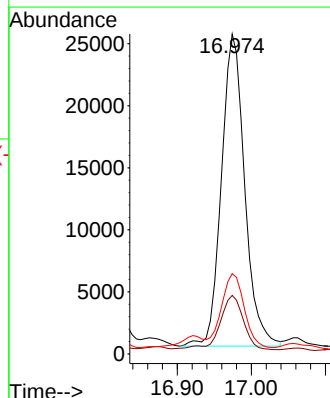
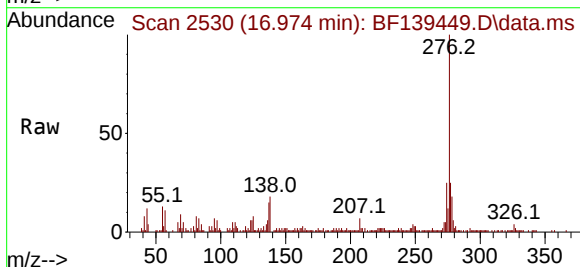
RT: 16.974 min Scan# 2530

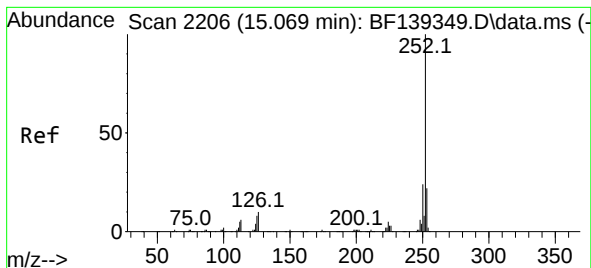
Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Tgt Ion:276	Resp:	54850
Ion Ratio	Lower	Upper
276	100	
138	18.5	15.4 23.2
277	23.0	20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 32.415 ng m

RT: 15.080 min Scan# 2110

Delta R.T. 0.012 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

Tgt Ion:252 Resp: 147458

Ion Ratio Lower Upper

252 100

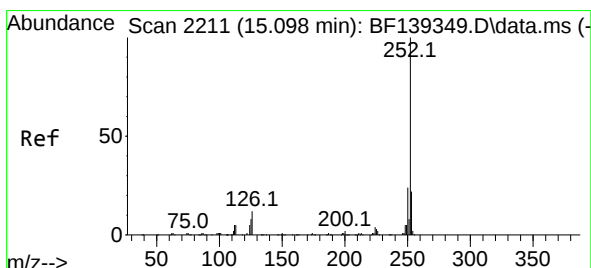
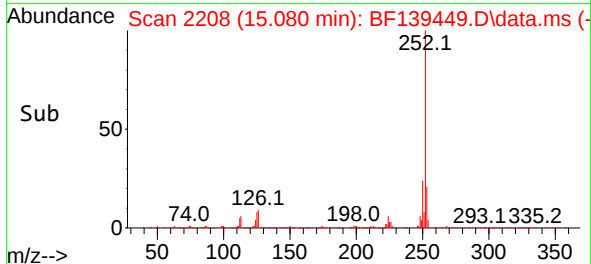
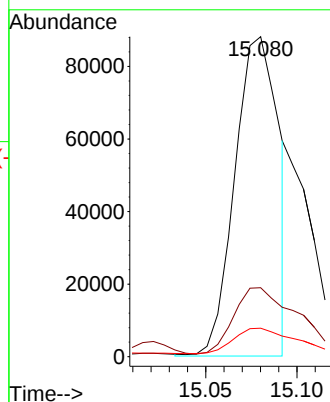
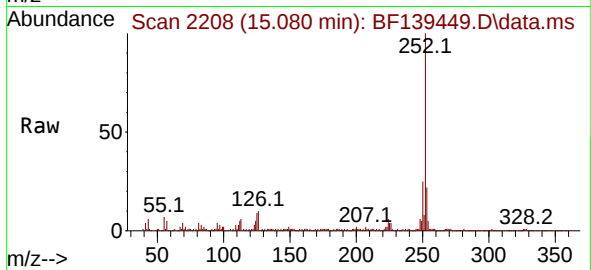
253 21.6 17.6 26.4

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: 12.825 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

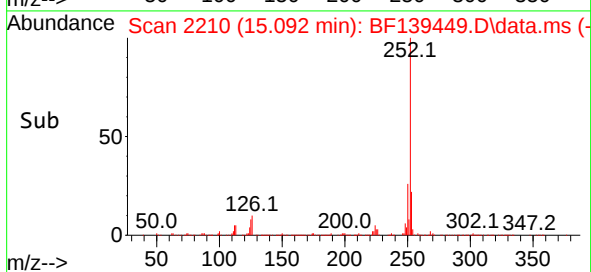
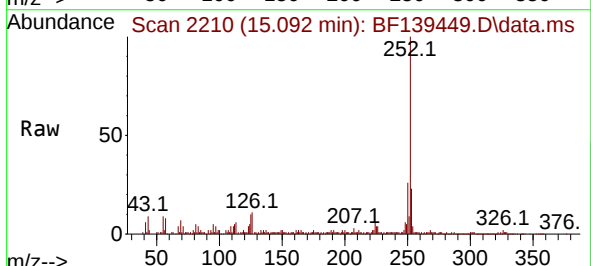
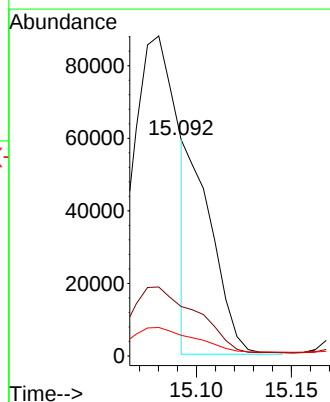
Tgt Ion:252 Resp: 53791

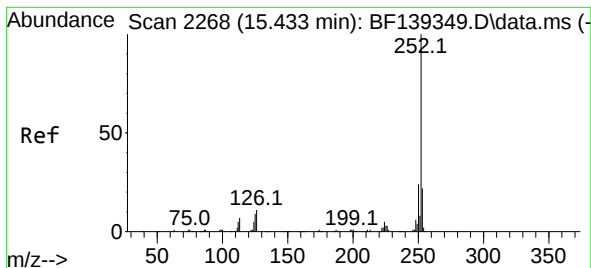
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 9.6 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 26.165 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

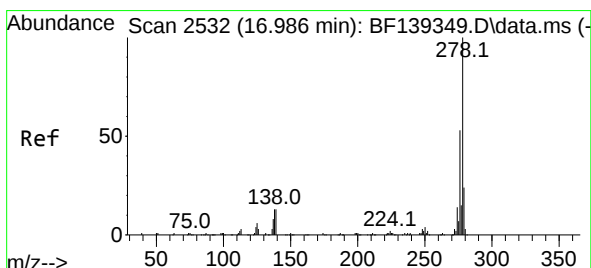
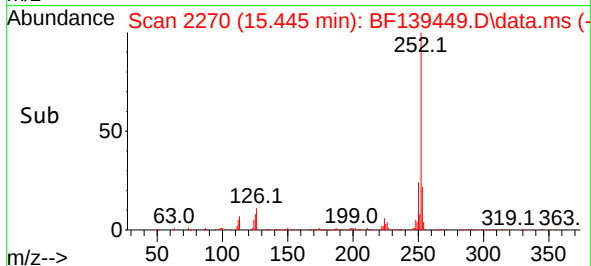
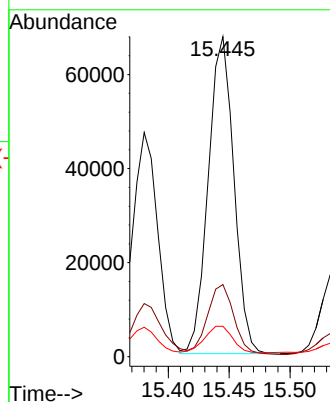
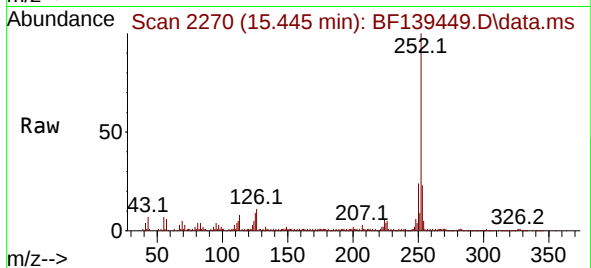
RT2299

Tgt Ion:	252	Resp:	9871
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	9.5	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: 3.262 ng

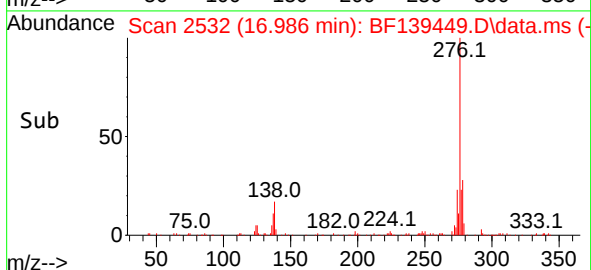
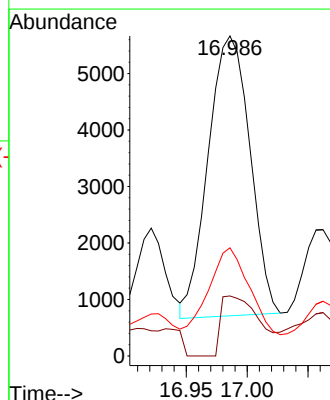
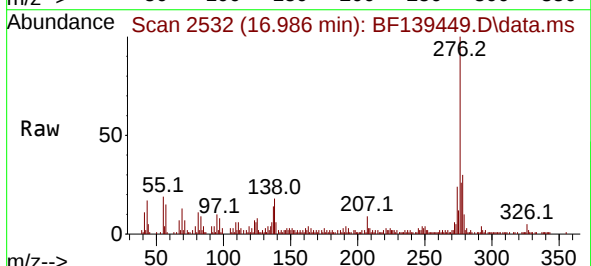
RT: 16.986 min Scan# 2532

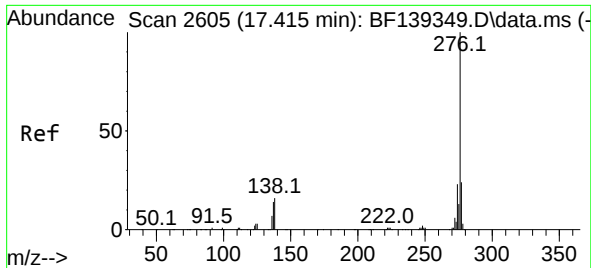
Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

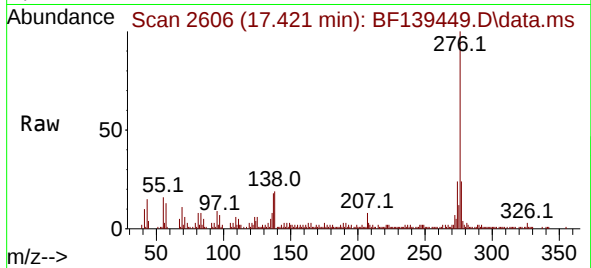
Tgt Ion:	278	Resp:	11822
Ion Ratio	Lower	Upper	
278	100		
139	18.7	10.2	15.2#
279	33.8	18.9	28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 14.097 ng
 RT: 17.421 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

Instrument :
 BNA_F
 ClientSampleId :
 RT2299



Tgt Ion:276 Resp: 5058
 Ion Ratio Lower Upper
 276 100
 277 23.7 18.9 28.3
 138 18.8 13.0 19.6

Manual Integrations
 APPROVED

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

