

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139775.D
 Acq On : 11 Oct 2024 15:18
 Operator : RC/JU
 Sample : P4364-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-4.5-5.0

Quant Time: Oct 11 15:39:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	73983	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	230755	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	110936	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	199923	20.000	ng	0.00
76) Chrysene-d12	14.039	240	169429	20.000	ng	0.00
86) Perylene-d12	15.510	264	118453	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	455267	106.658	ng	0.00
7) Phenol-d6	6.504	99	545898	95.101	ng	0.00
23) Nitrobenzene-d5	7.428	82	339461	74.482	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	105833	98.826	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	501747	69.434	ng	0.00
79) Terphenyl-d14	12.975	244	563121	54.535	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	59132	5.012	ng	# 93
37) 2-Methylnaphthalene	8.863	142	26028	3.387	ng	97
38) 1-Methylnaphthalene	8.957	142	19495	2.596	ng	98
49) Acenaphthylene	9.763	152	124101	13.193	ng	99
58) Fluorene	10.451	166	23663	3.286	ng	# 87
71) Phenanthrene	11.416	178	230038	24.403	ng	99
72) Anthracene	11.463	178	65749	7.050	ng	98
74) Di-n-butylphthalate	11.951	149	23878	2.192	ng	# 80
75) Fluoranthene	12.610	202	359482	34.886	ng	100
78) Pyrene	12.839	202	497517	32.832	ng	99
81) Benzo(a)anthracene	14.027	228	281519m	25.273	ng	
83) Chrysene	14.063	228	236184	23.191	ng	95
84) Bis(2-ethylhexyl)phtha...	14.010	149	17396	2.570	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.986	276	78957	11.325	ng	97
88) Benzo(b)fluoranthene	15.086	252	196591m	25.668	ng	
89) Benzo(k)fluoranthene	15.098	252	65917m	10.146	ng	
90) Benzo(a)pyrene	15.451	252	143681	23.792	ng	97
91) Dibenzo(a,h)anthracene	16.992	278	24171	4.180	ng	# 88
92) Benzo(g,h,i)perylene	17.439	276	85782	14.792	ng	99

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

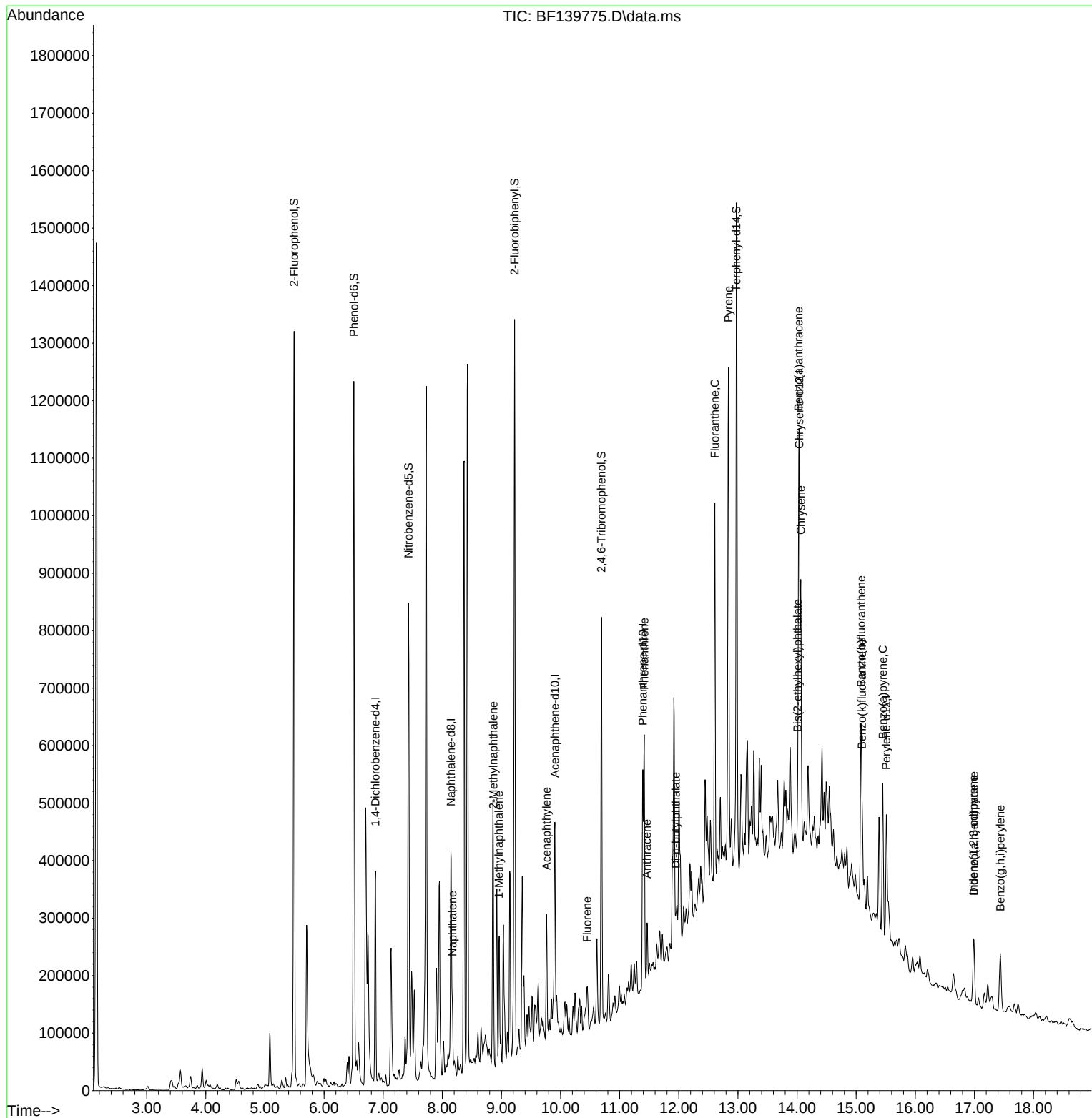
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139775.D
Acq On : 11 Oct 2024 15:18
Operator : RC/JU
Sample : P4364-06
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ALS Vial : 14 Sample Multiplier: 1

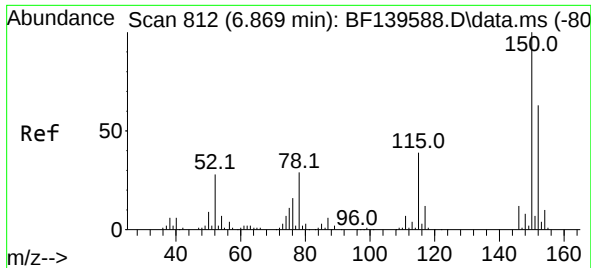
Instrument :
BNA_F
ClientSampleId :
SB-02-4.5-5.0

Quant Time: Oct 11 15:39:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
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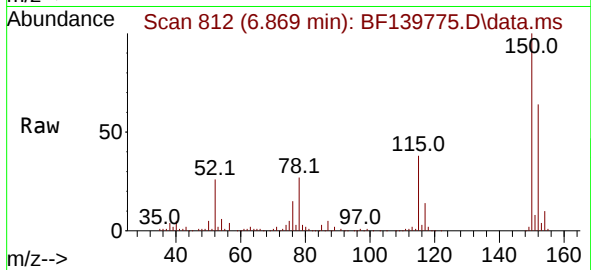
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

SB-02-4.5-5.0

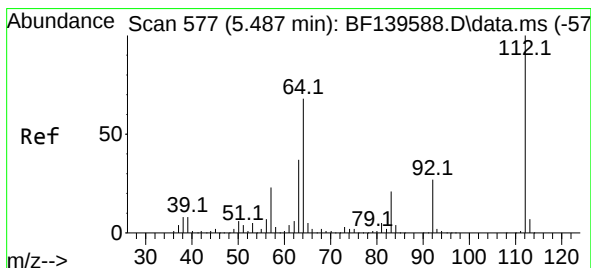
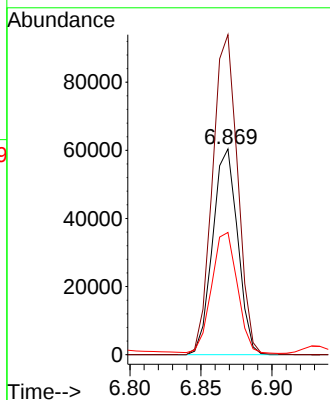
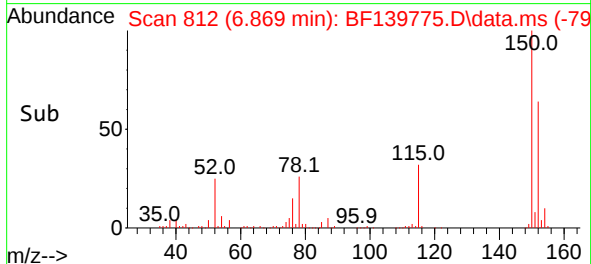


Tgt Ion:152 Resp: 7398
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 59.4 49.0 73.4

Manual Integrations

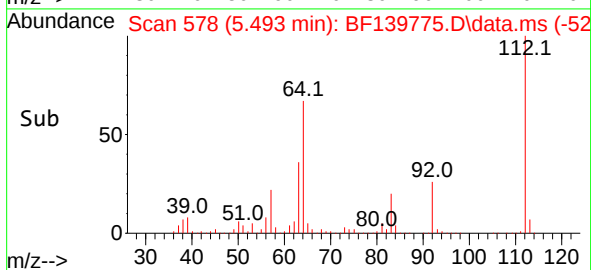
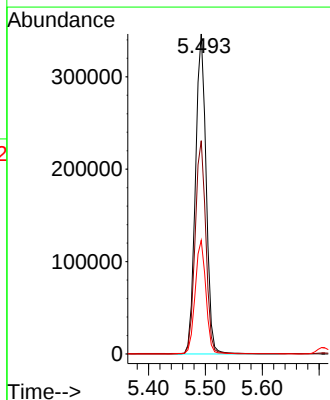
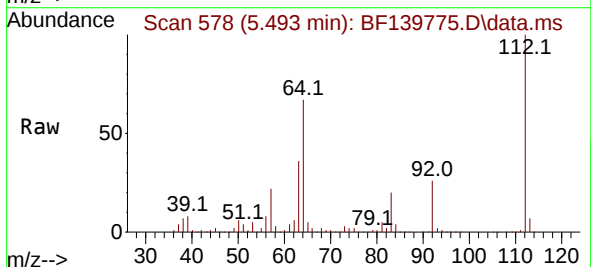
APPROVED

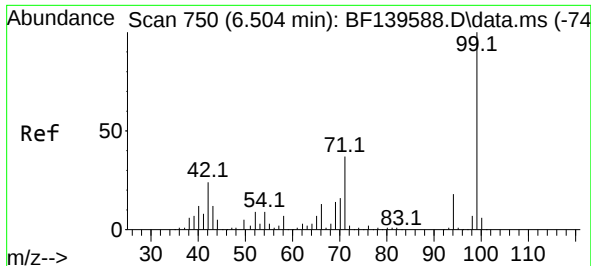
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 106.658 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

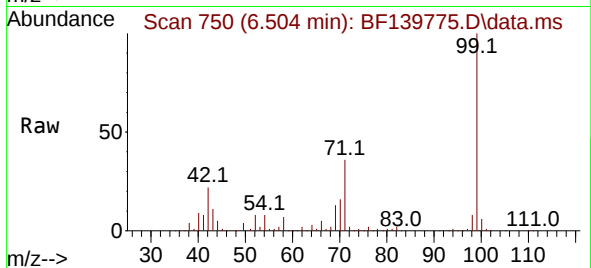
Tgt Ion:112 Resp: 455267
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.4
63 35.5 29.4 44.2





#7
Phenol-d6
Concen: 95.101 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

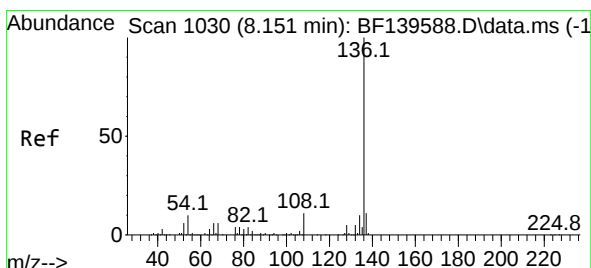
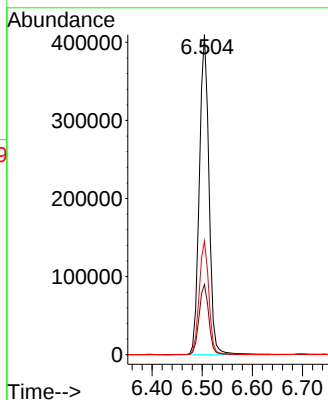
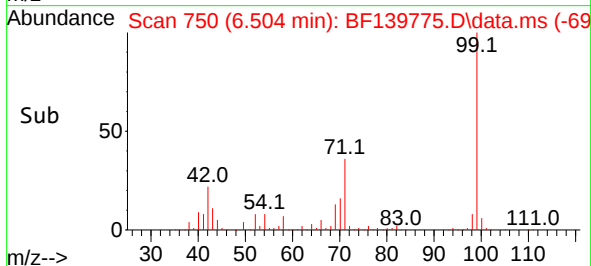
Instrument :
BNA_F
ClientSampleId :
SB-02-4.5-5.0



Tgt Ion: 99 Resp: 545898
Ion Ratio Lower Upper
99 100
42 22.0 19.1 28.7
71 35.5 29.7 44.5

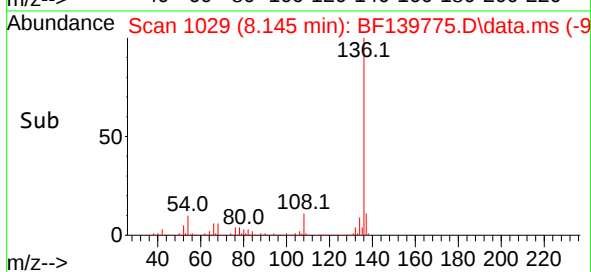
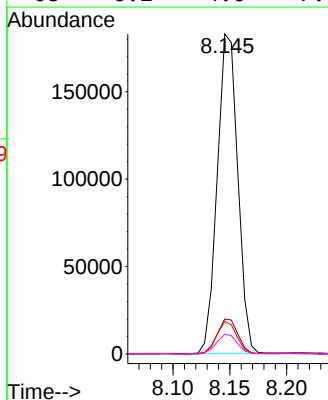
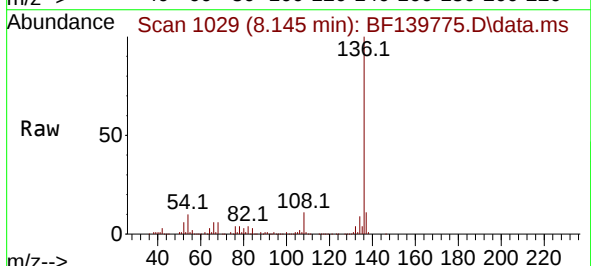
Manual Integrations
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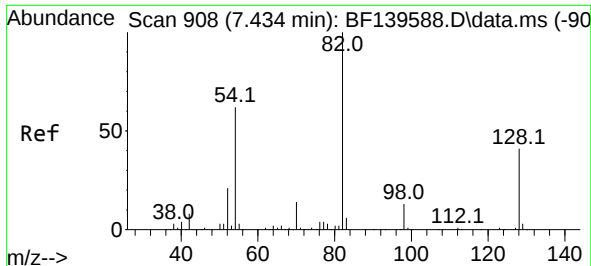
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:136 Resp: 230755
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.3 12.5
68 6.2 4.6 7.0





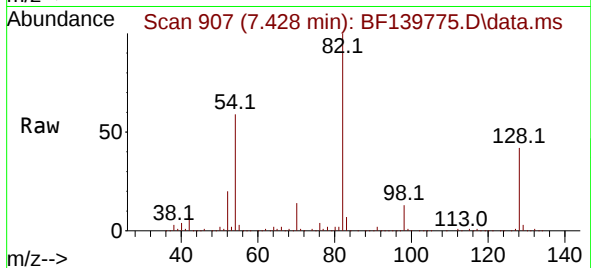
#23
Nitrobenzene-d5
Concen: 74.482 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

SB-02-4.5-5.0

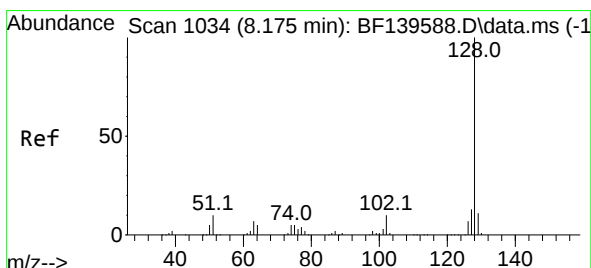
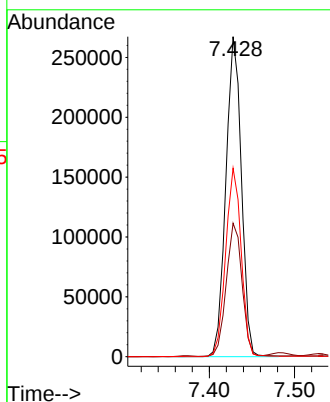
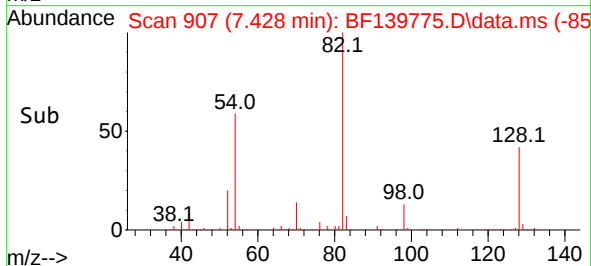


Tgt Ion: 82 Resp: 33946
Ion Ratio Lower Upper
82 100
128 41.7 32.4 48.6
54 58.9 49.1 73.7

Manual Integrations

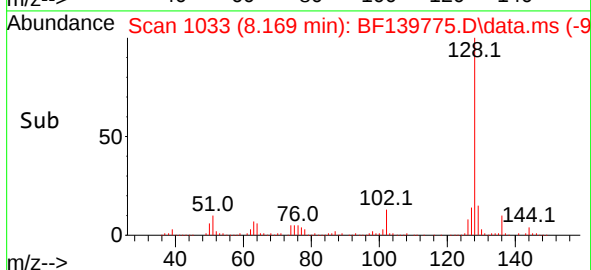
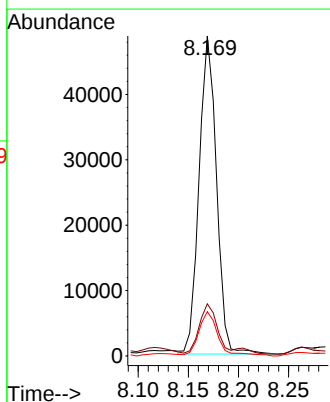
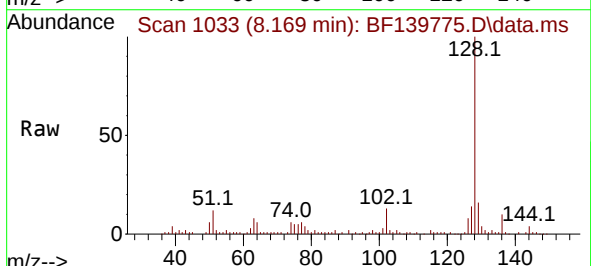
APPROVED

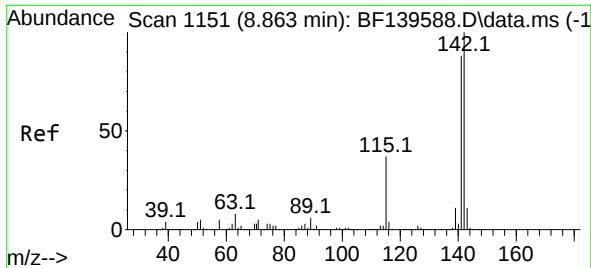
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#31
Naphthalene
Concen: 5.012 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:128 Resp: 59132
Ion Ratio Lower Upper
128 100
129 16.3 8.8 13.2#
127 13.9 10.5 15.7





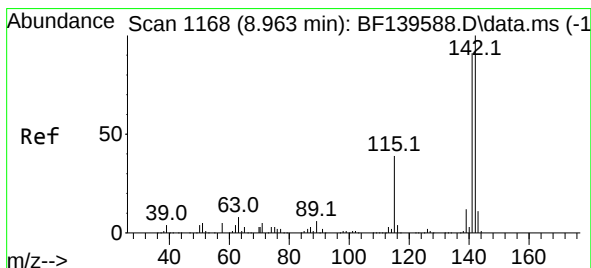
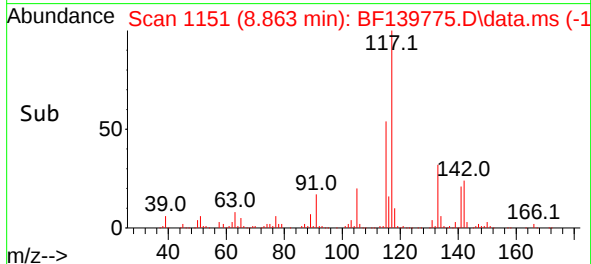
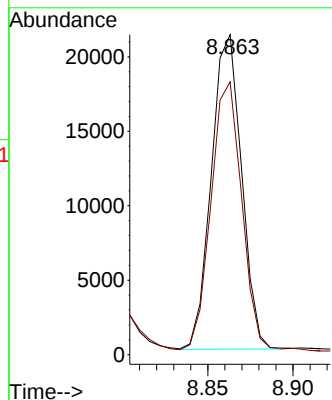
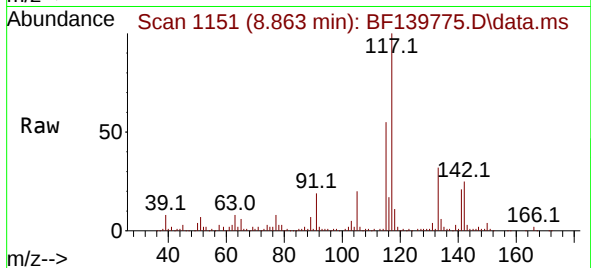
#37
2-Methylnaphthalene
Concen: 3.387 ng
RT: 8.863 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :
BNA_F
ClientSampleId :
SB-02-4.5-5.0

Tgt Ion:142 Resp: 26028
Ion Ratio Lower Upper
142 100
141 85.3 70.4 105.6

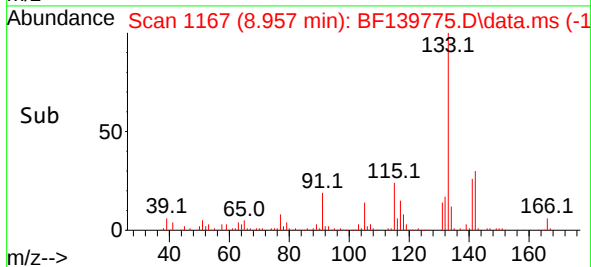
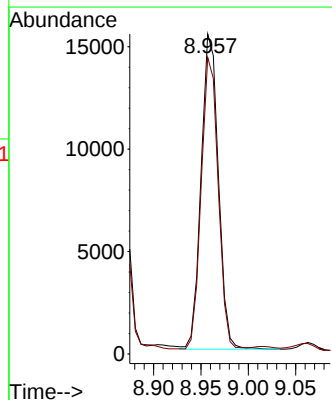
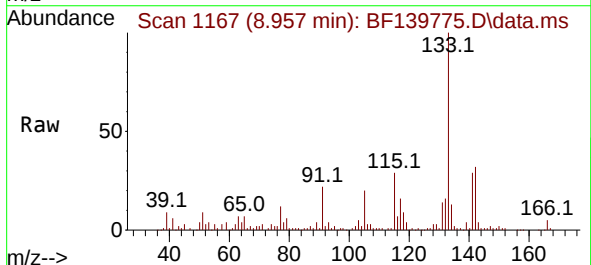
Manual Integrations
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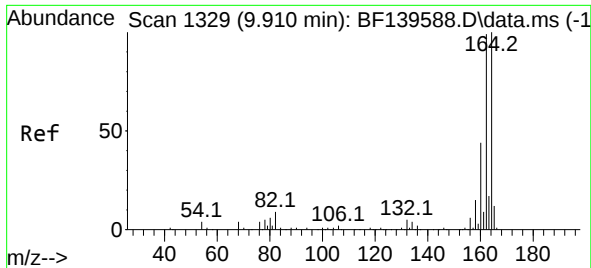
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#38
1-Methylnaphthalene
Concen: 2.596 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:142 Resp: 19495
Ion Ratio Lower Upper
142 100
141 92.6 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

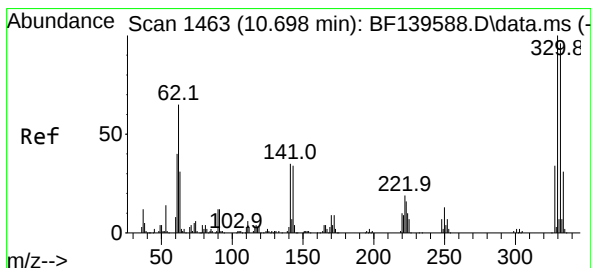
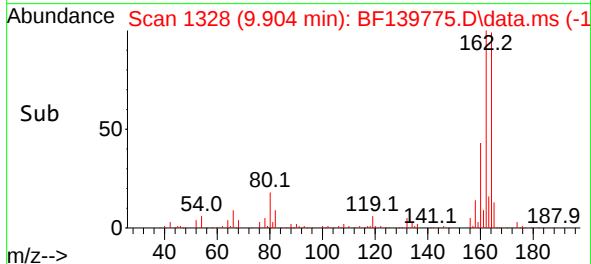
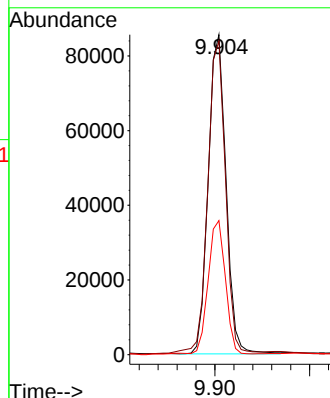
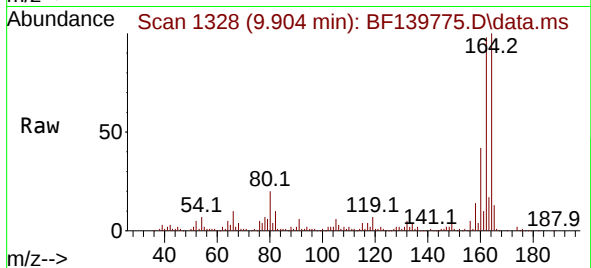
SB-02-4.5-5.0

Tgt Ion:164 Resp: 110930
Ion Ratio Lower Upper
164 100
162 98.0 79.4 119.0
160 41.9 35.1 52.7

Manual Integrations

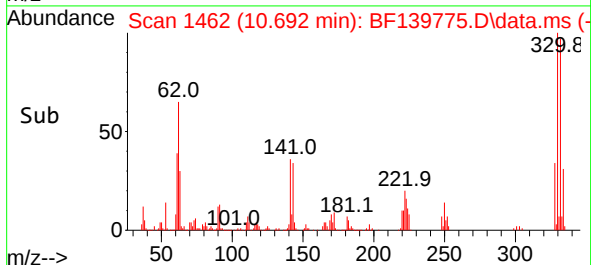
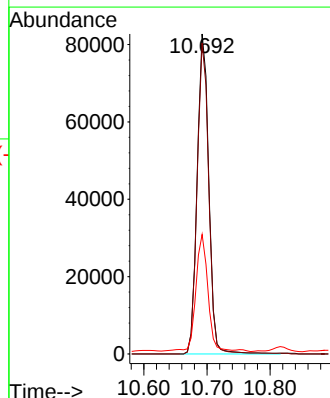
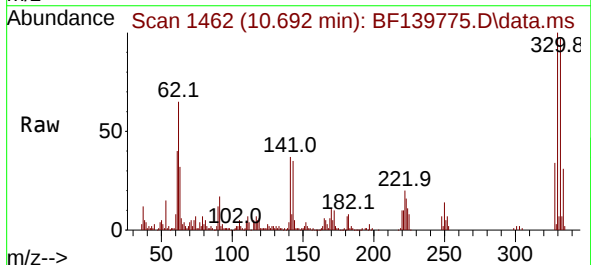
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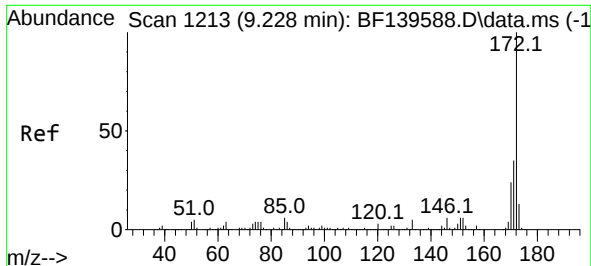
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#42
2,4,6-Tribromophenol
Concen: 98.826 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:330 Resp: 105833
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 37.2 29.3 43.9





#45
2-Fluorobiphenyl
Concen: 69.434 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

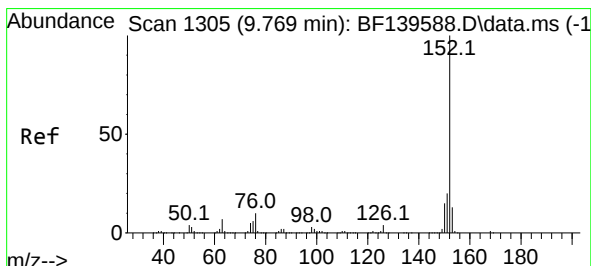
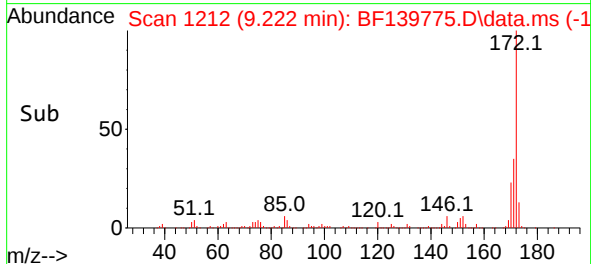
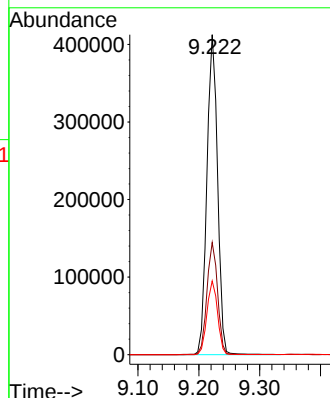
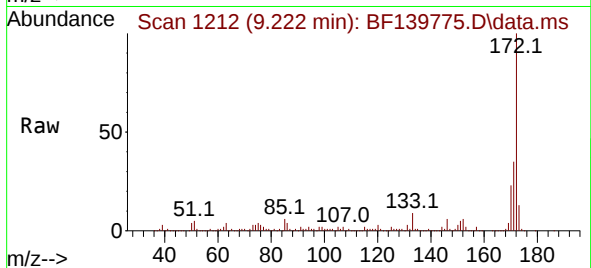
SB-02-4.5-5.0

Tgt Ion:172 Resp: 50174
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.1 18.8 28.2

Manual Integrations

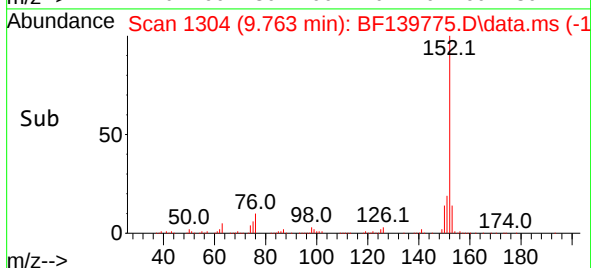
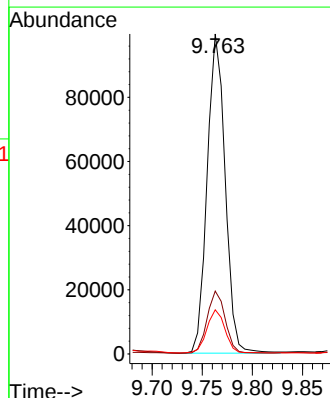
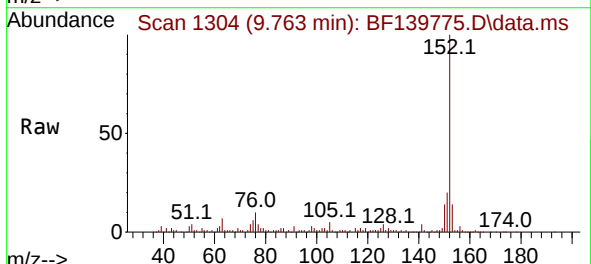
APPROVED

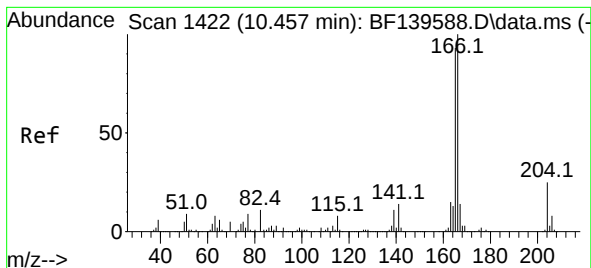
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#49
Acenaphthylene
Concen: 13.193 ng
RT: 9.763 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:152 Resp: 124101
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.8 10.5 15.7





#58

Fluorene

Concen: 3.286 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

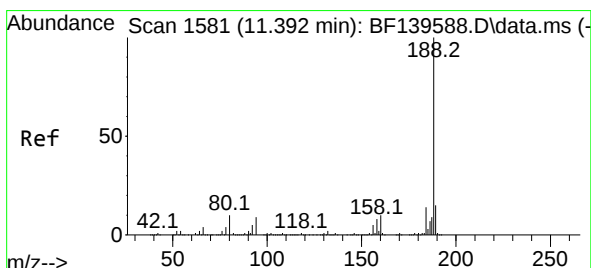
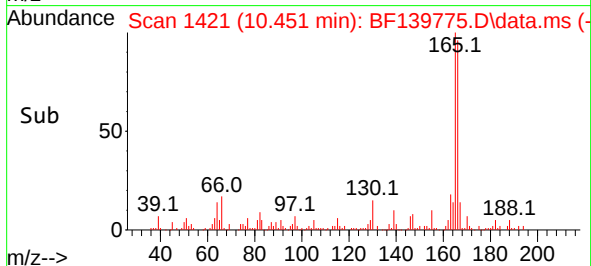
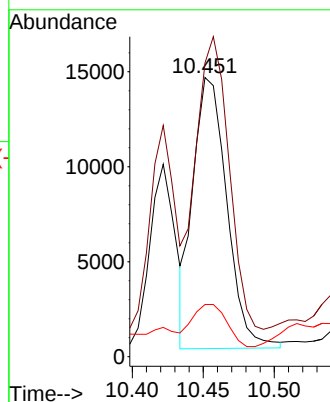
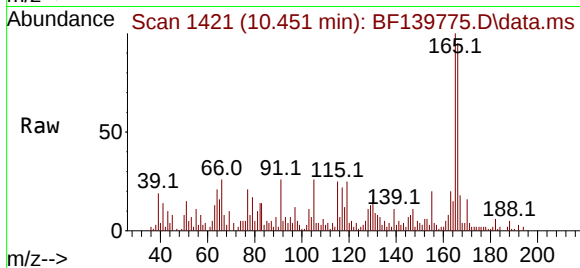
SB-02-4.5-5.0

Tgt Ion:166	Resp:	2366
Ion Ratio	Lower	Upper
166	100	
165	105.2	74.4 111.6
167	18.7	10.9 16.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2024
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#64

Phenanthrene-d10

Concen: 20.000 ng

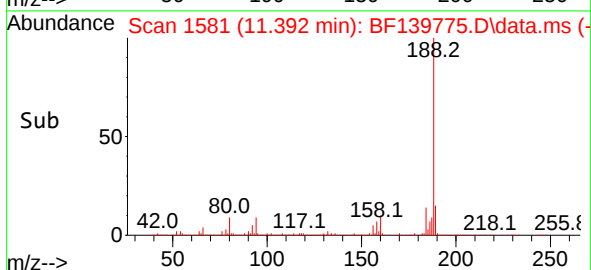
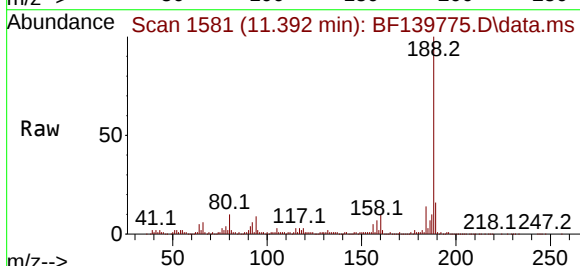
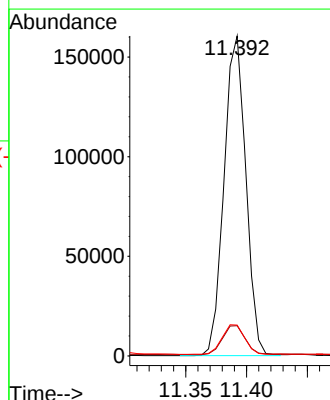
RT: 11.392 min Scan# 1581

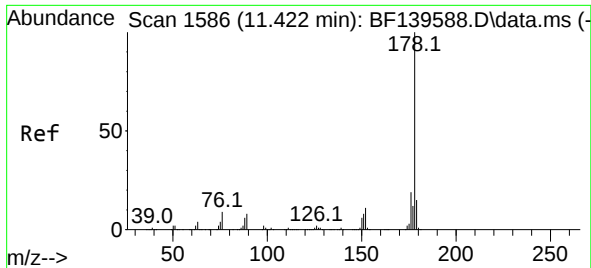
Delta R.T. 0.000 min

Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Tgt Ion:188	Resp:	199923
Ion Ratio	Lower	Upper
188	100	
94	9.5	7.4 11.2
80	9.6	8.2 12.2





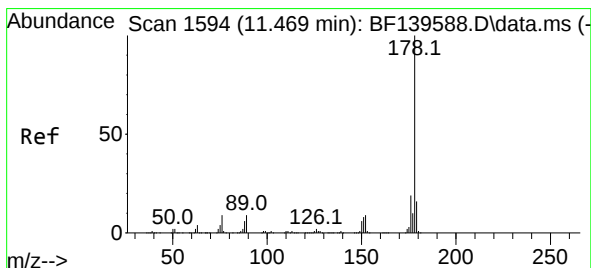
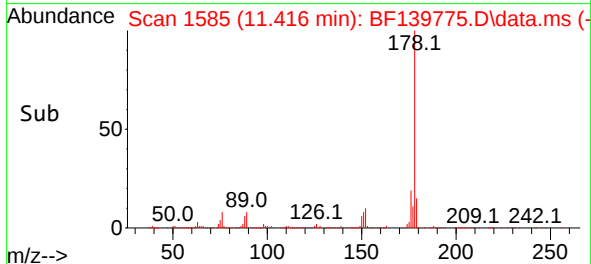
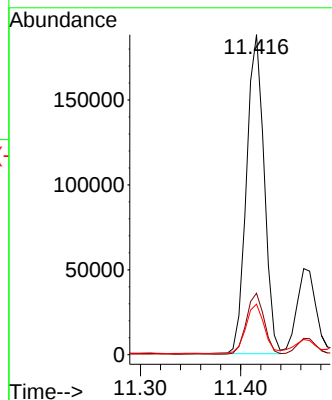
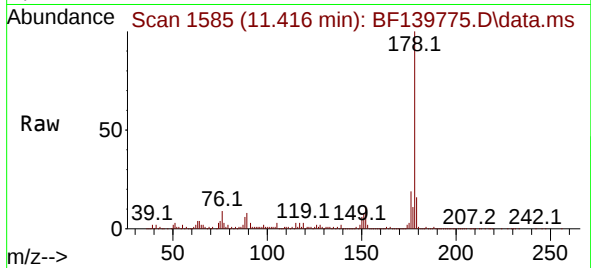
#71
Phenanthrene
Concen: 24.403 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :
BNA_F
ClientSampleId :
SB-02-4.5-5.0

Tgt Ion:178 Resp: 230038
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.8 12.3 18.5

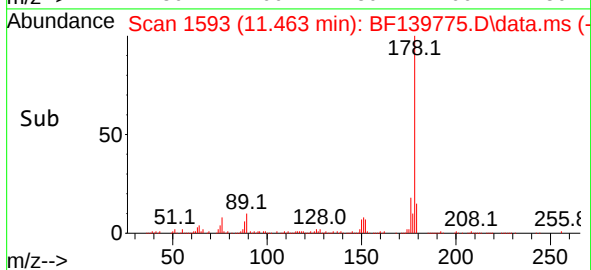
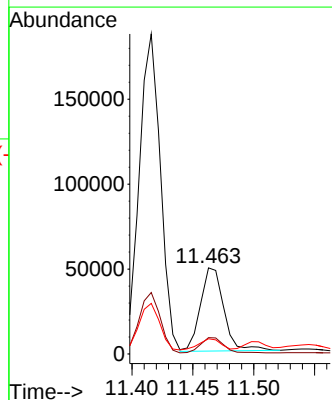
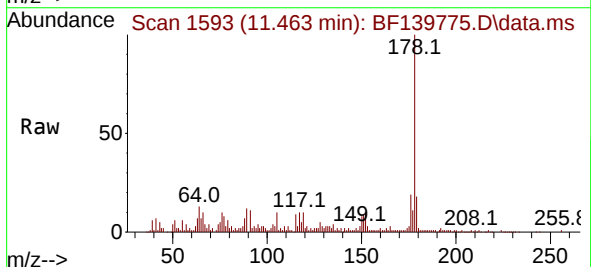
Manual Integrations
APPROVED

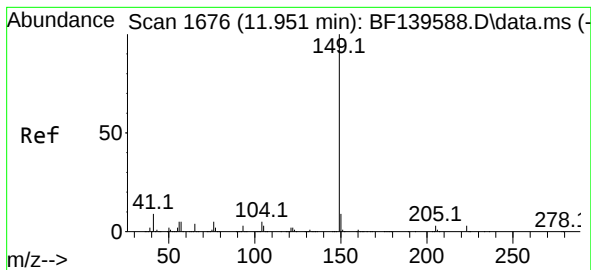
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 7.050 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

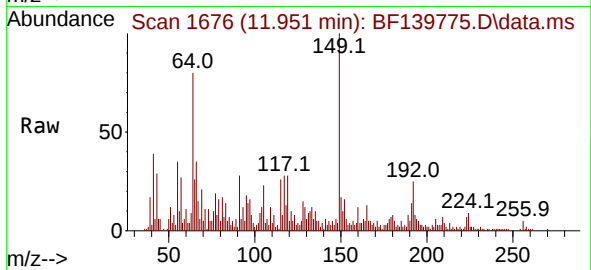
Tgt Ion:178 Resp: 65749
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 17.7 12.5 18.7





#74
Di-n-butylphthalate
Concen: 2.192 ng
RT: 11.951 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

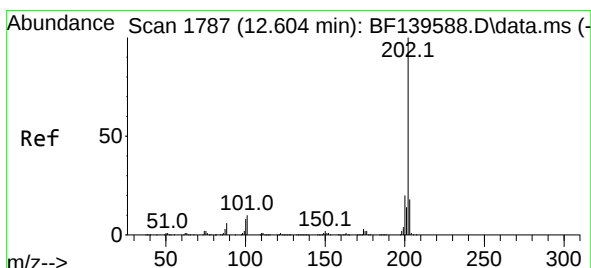
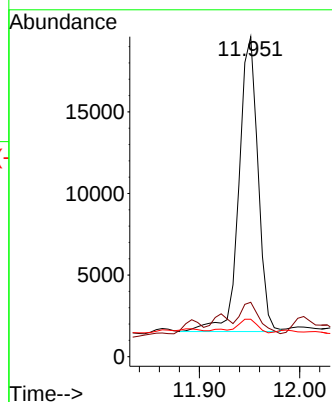
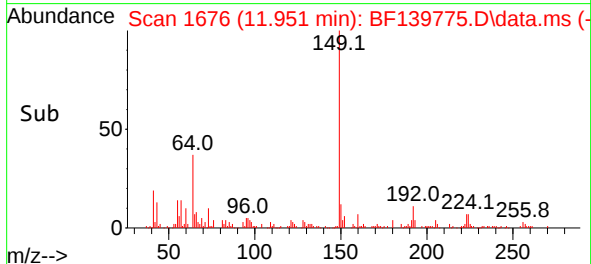
Instrument :
BNA_F
ClientSampleId :
SB-02-4.5-5.0



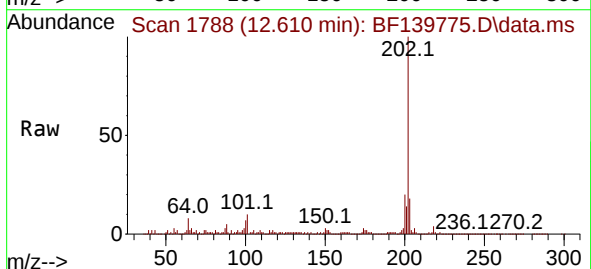
Tgt Ion:149 Resp: 23876
Ion Ratio Lower Upper
149 100
150 17.0 7.5 11.3
104 11.7 4.1 6.1

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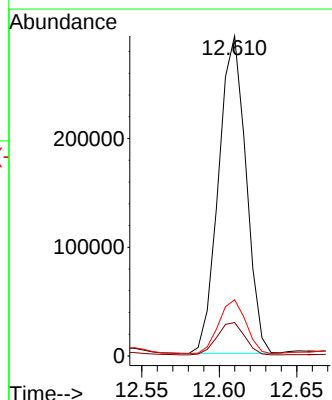
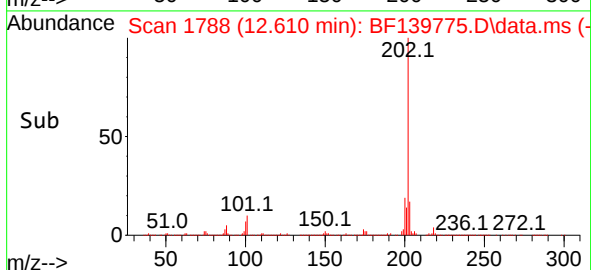
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

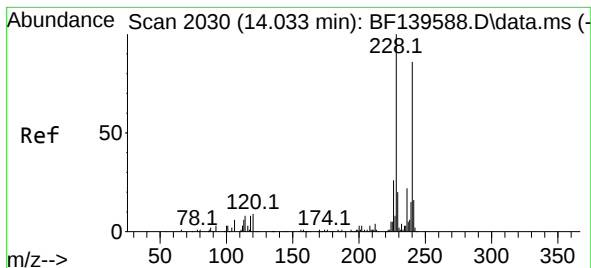


#75
Fluoranthene
Concen: 34.886 ng
RT: 12.610 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18



Tgt Ion:202 Resp: 359482
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

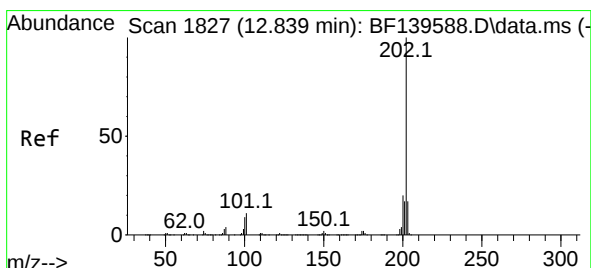
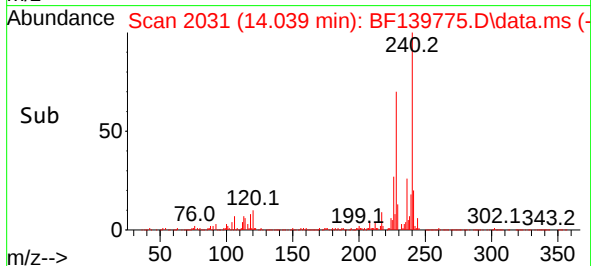
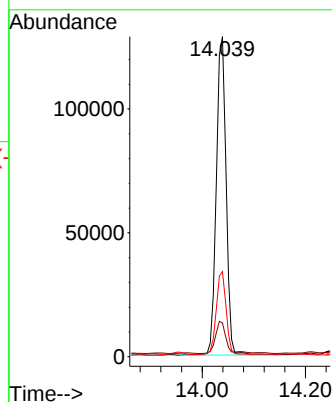
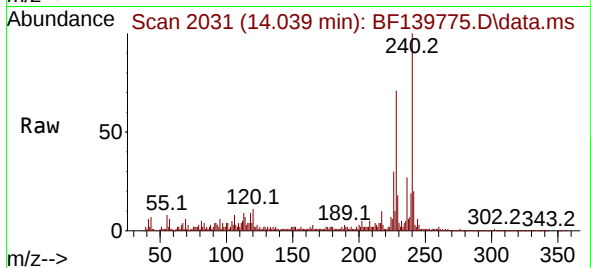
SB-02-4.5-5.0

Tgt Ion:240 Resp: 169429
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.4 12.6
 236 26.6 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024



#78

Pyrene

Concen: 32.832 ng

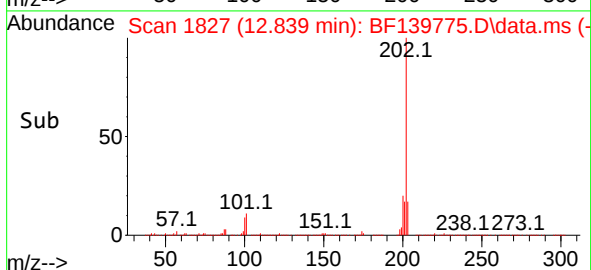
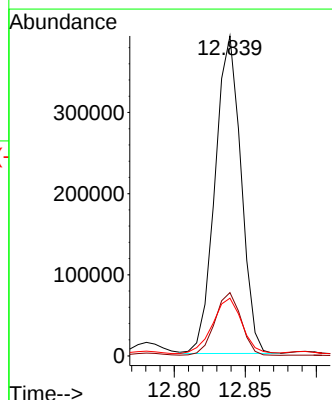
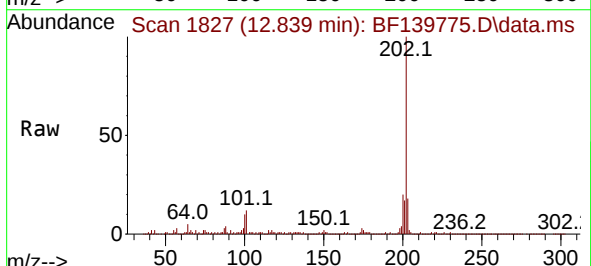
RT: 12.839 min Scan# 1827

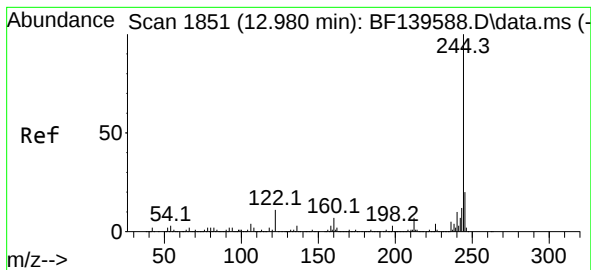
Delta R.T. 0.000 min

Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Tgt Ion:202 Resp: 497517
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.8 23.6
 203 18.1 13.8 20.8





#79

Terphenyl-d14

Concen: 54.535 ng

RT: 12.975 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

SB-02-4.5-5.0

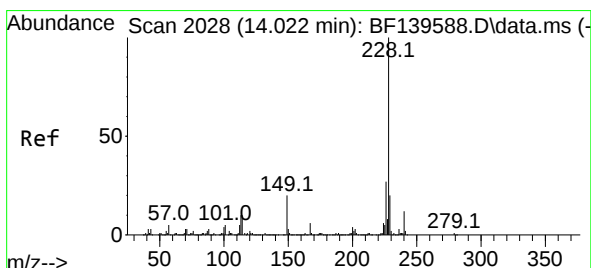
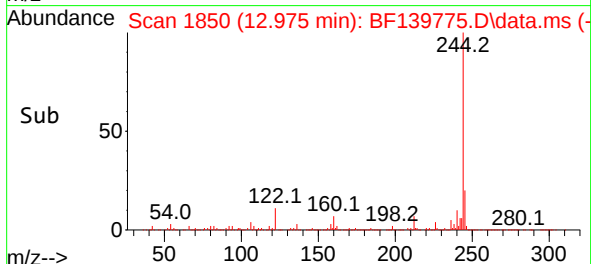
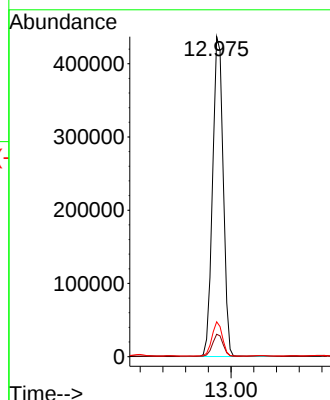
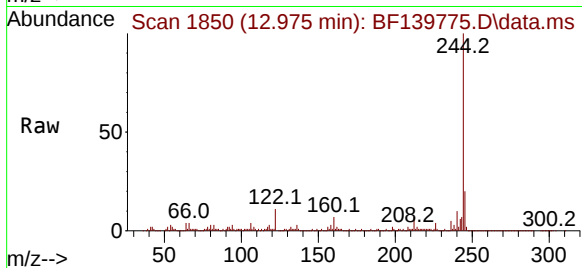
Tgt Ion:244 Resp: 56312

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	10.9	8.6	12.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#81

Benzo(a)anthracene

Concen: 25.273 ng m

RT: 14.027 min Scan# 2029

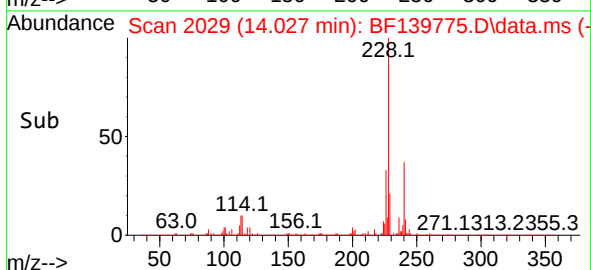
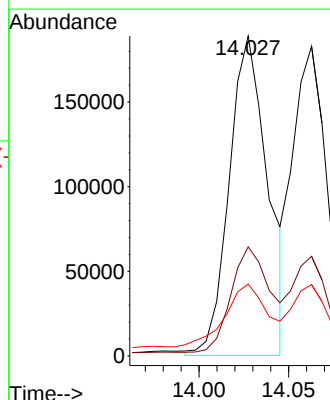
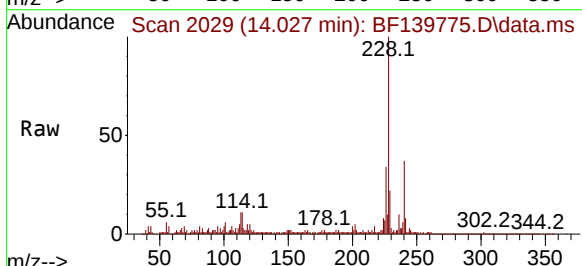
Delta R.T. 0.006 min

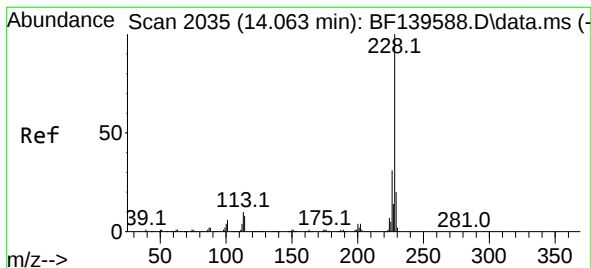
Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Tgt Ion:228 Resp: 281519

Ion	Ratio	Lower	Upper
228	100		
226	34.1	21.8	32.8#
229	22.5	15.8	23.8





#83

Chrysene

Concen: 23.191 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

SB-02-4.5-5.0

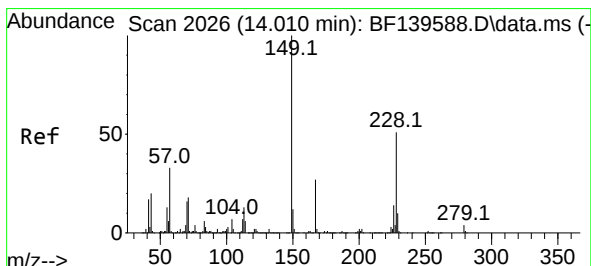
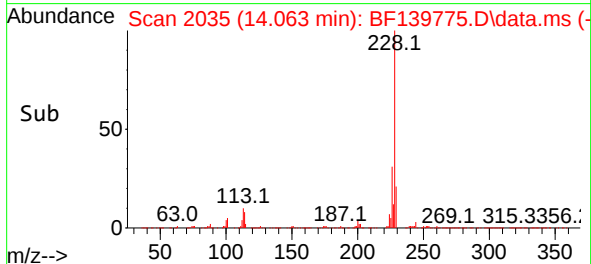
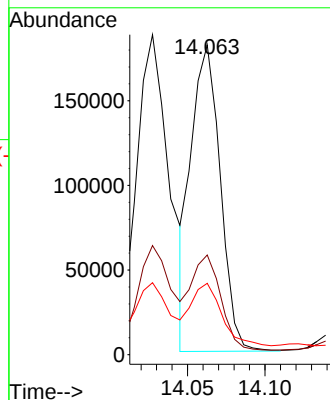
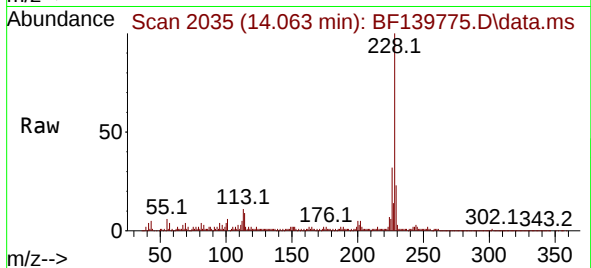
Tgt Ion:228 Resp: 236184

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.3	36.5
229	23.0	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.570 ng

RT: 14.010 min Scan# 2026

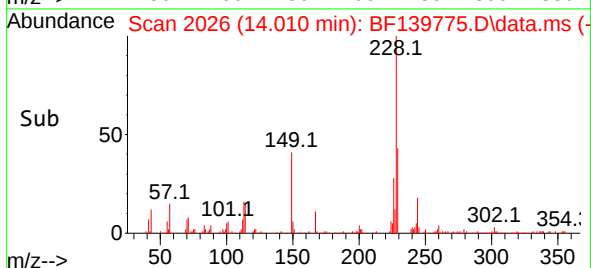
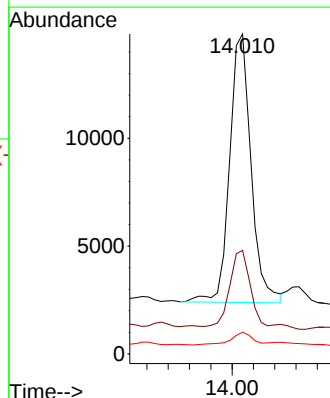
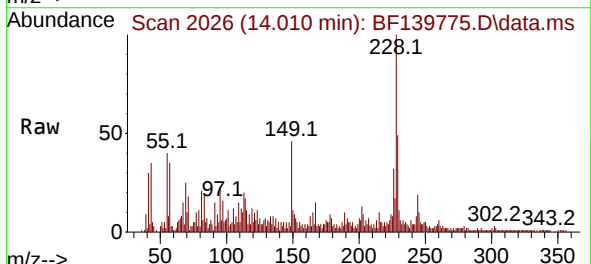
Delta R.T. 0.000 min

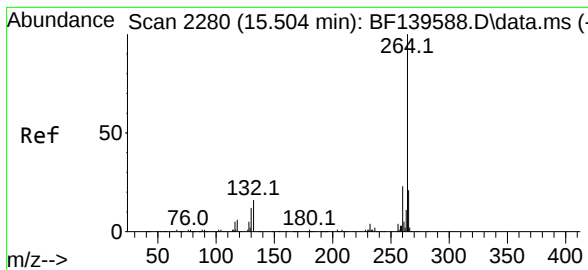
Lab File: BF139775.D

Acq: 11 Oct 2024 15:18

Tgt Ion:149 Resp: 17396

Ion	Ratio	Lower	Upper
149	100		
167	32.4	21.7	32.5
279	6.8	3.2	4.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

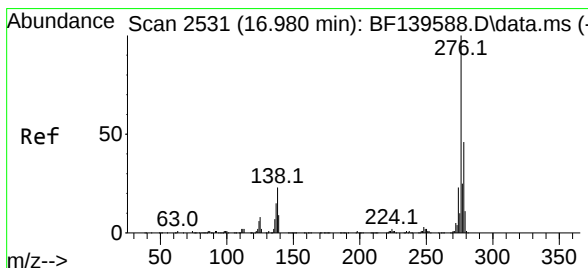
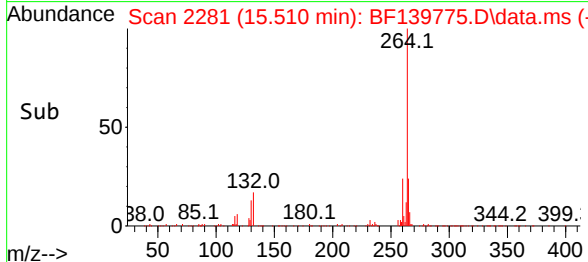
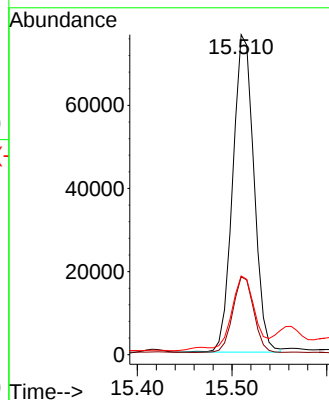
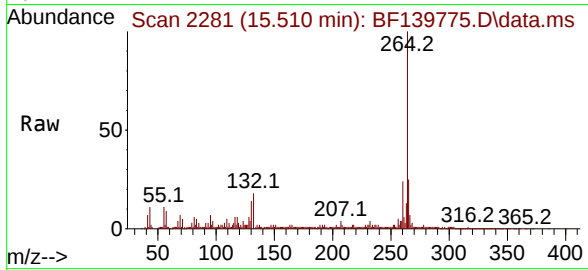
SB-02-4.5-5.0

Tgt Ion:264 Resp: 11845
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 24.6 16.9 25.3

Manual Integrations

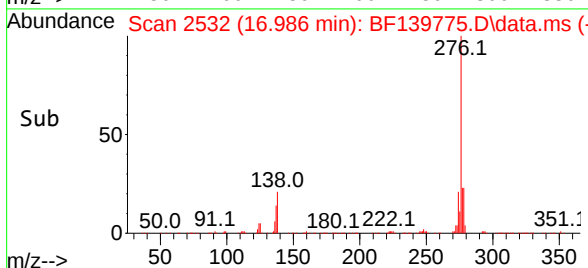
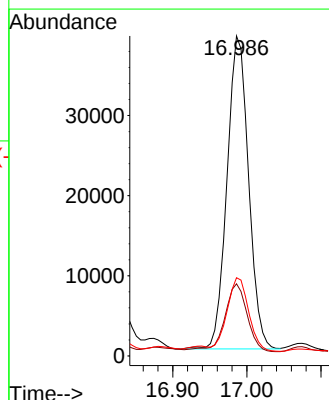
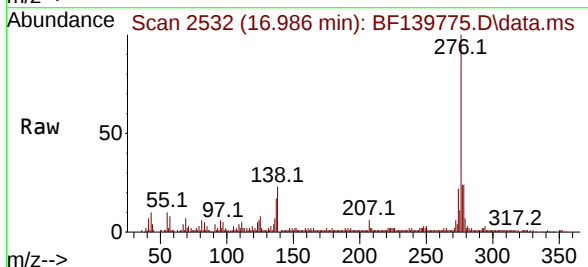
APPROVED

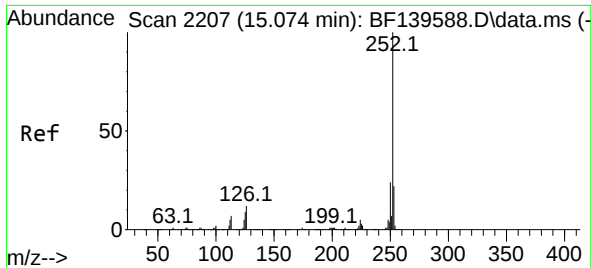
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.325 ng
RT: 16.986 min Scan# 2532
Delta R.T. 0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:276 Resp: 78957
Ion Ratio Lower Upper
276 100
138 22.6 19.4 29.0
277 23.6 20.2 30.2





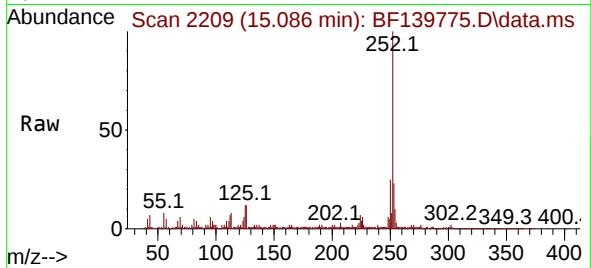
#88
Benzo(b)fluoranthene
Concen: 25.668 ng m
RT: 15.086 min Scan# 2209
Delta R.T. 0.012 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

SB-02-4.5-5.0

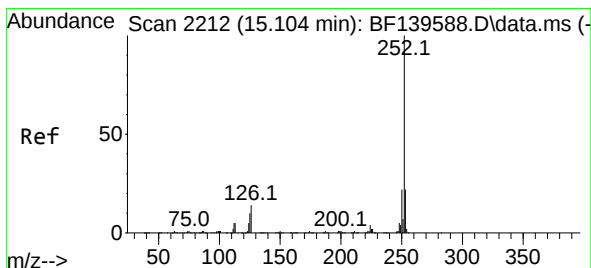
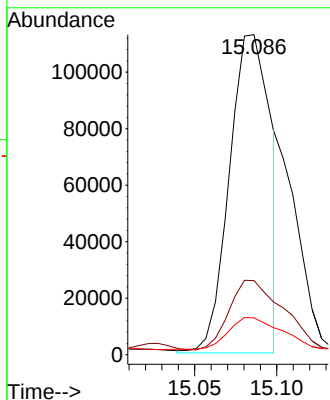
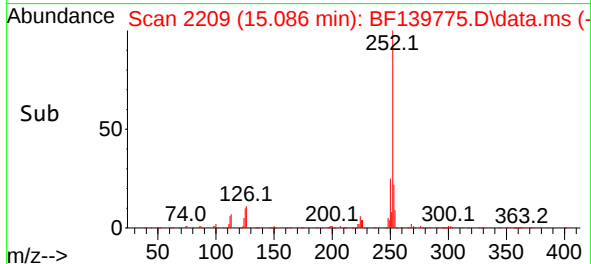


Tgt Ion:252 Resp: 19659
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.5 7.4 11.0

Manual Integrations

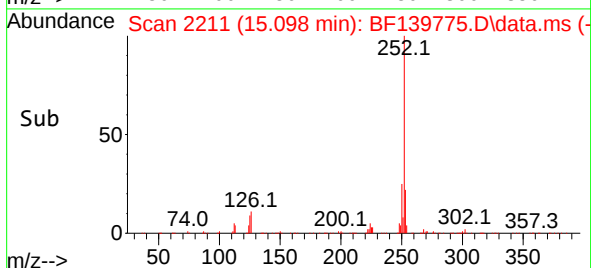
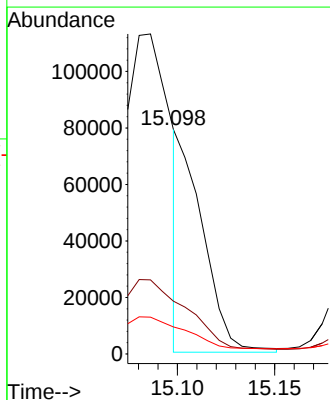
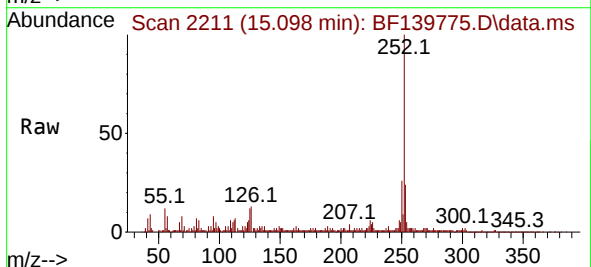
APPROVED

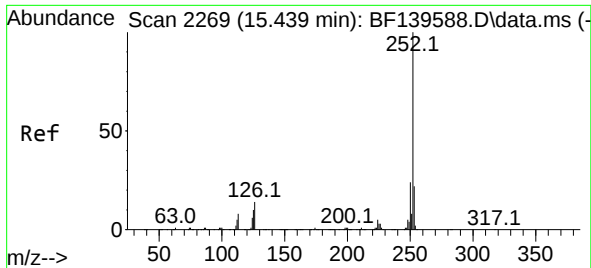
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#89
Benzo(k)fluoranthene
Concen: 10.146 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:252 Resp: 65917
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 12.0 7.6 11.4





#90
Benzo(a)pyrene
Concen: 23.792 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

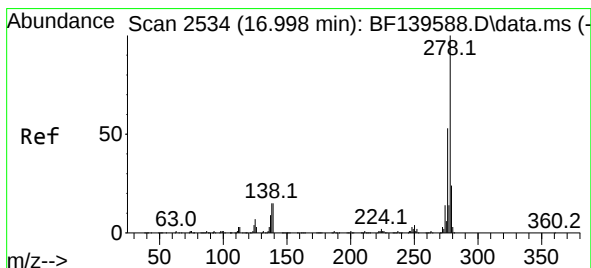
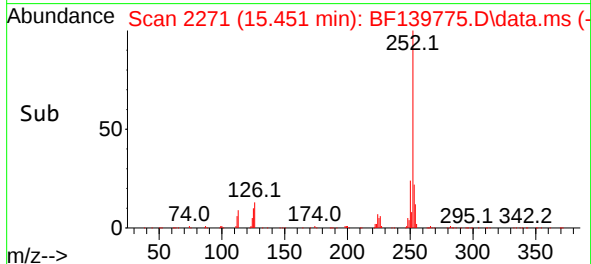
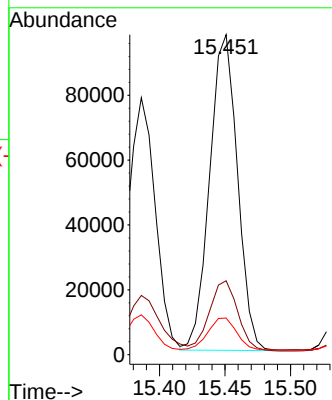
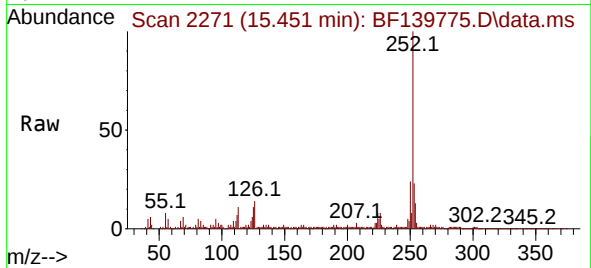
ClientSampleId :

SB-02-4.5-5.0

Tgt Ion:252 Resp: 14368
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.4 8.3 12.5

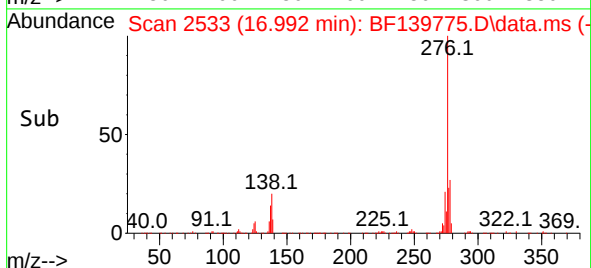
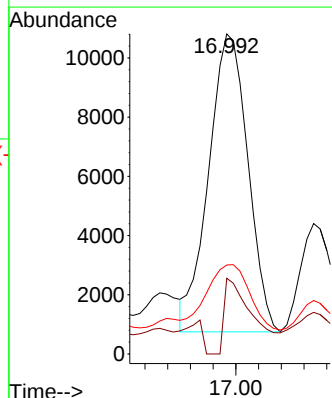
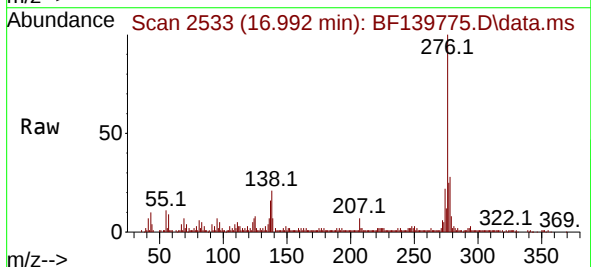
Manual Integrations
APPROVED

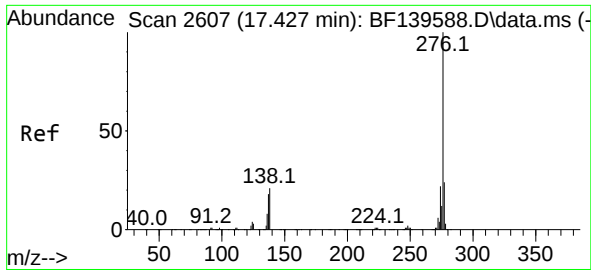
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#91
Dibenzo(a,h)anthracene
Concen: 4.180 ng
RT: 16.992 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF139775.D
Acq: 11 Oct 2024 15:18

Tgt Ion:278 Resp: 24171
Ion Ratio Lower Upper
278 100
139 23.6 12.2 18.4#
279 27.8 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 14.792 ng

RT: 17.439 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF139775.D

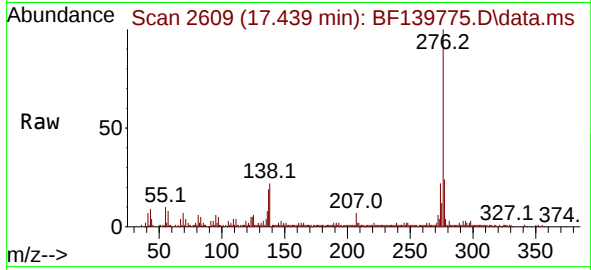
Acq: 11 Oct 2024 15:18

Instrument :

BNA_F

ClientSampleId :

SB-02-4.5-5.0



Tgt Ion:276 Resp: 8578

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 21.6 17.0 25.6

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