

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139799.D
 Acq On : 14 Oct 2024 20:21
 Operator : RC/JU
 Sample : P4364-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-1.0-1.5DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 15 02:23:59 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	90077	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	333860	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	173595	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	270748	20.000	ng	0.00
76) Chrysene-d12	14.027	240	145107	20.000	ng	0.00
86) Perylene-d12	15.498	264	163152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	109937	21.154	ng	0.00
7) Phenol-d6	6.492	99	148107	21.192	ng	-0.01
23) Nitrobenzene-d5	7.422	82	91007	13.801	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	27867	16.629	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	177251	15.675	ng	-0.01
79) Terphenyl-d14	12.963	244	118334	13.381	ng	-0.02
Target Compounds					Qvalue	
31) Naphthalene	8.163	128	37979	2.225	ng	100
52) Acenaphthene	9.928	154	22254	2.202	ng	99
58) Fluorene	10.445	166	30840	2.737	ng	99
71) Phenanthrene	11.410	178	351331	27.521	ng	99
72) Anthracene	11.457	178	85161	6.743	ng	99
73) Carbazole	11.616	167	33484	2.760	ng	99
75) Fluoranthene	12.598	202	416648	29.856	ng	100
78) Pyrene	12.827	202	381146	29.368	ng	98
81) Benzo(a)anthracene	14.015	228	200794	21.047	ng	95
83) Chrysene	14.051	228	164366	18.845	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	80596	8.393	ng	93
88) Benzo(b)fluoranthene	15.068	252	235295m	22.305	ng	
89) Benzo(k)fluoranthene	15.086	252	73667m	8.232	ng	
90) Benzo(a)pyrene	15.433	252	157861	18.978	ng	96
91) Dibenzo(a,h)anthracene	16.974	278	20597	2.586	ng	# 80
92) Benzo(g,h,i)perylene	17.415	276	79461	9.948	ng	97

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

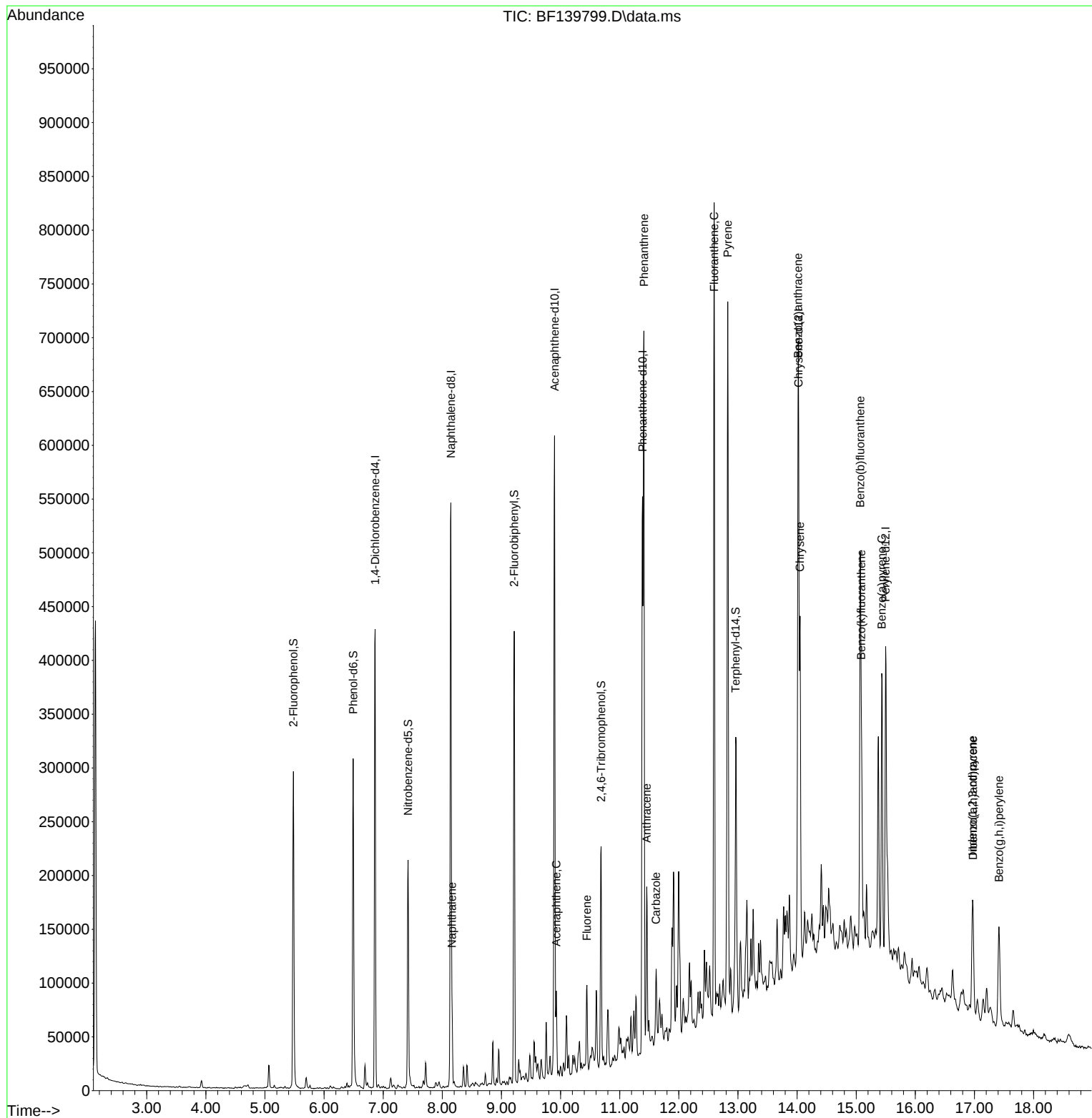
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139799.D
Acq On : 14 Oct 2024 20:21
Operator : RC/JU
Sample : P4364-01DL 5X
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ALS Vial : 14 Sample Multiplier: 1

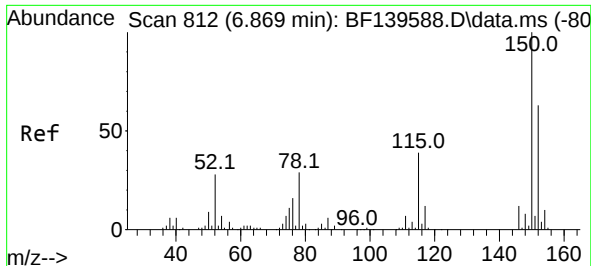
Instrument :
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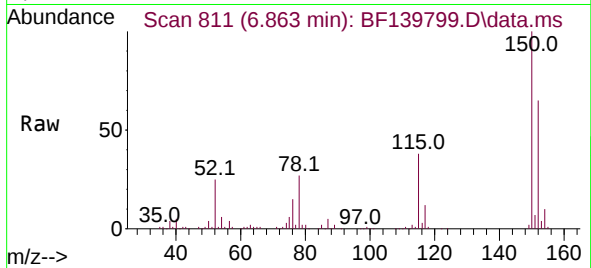
Quant Time: Oct 15 02:23:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

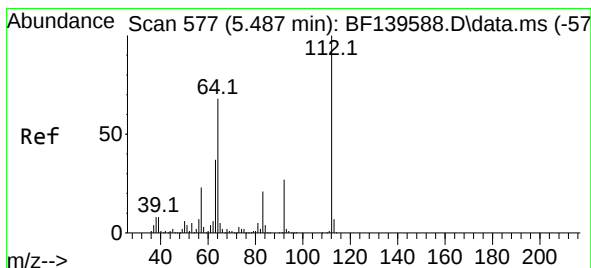
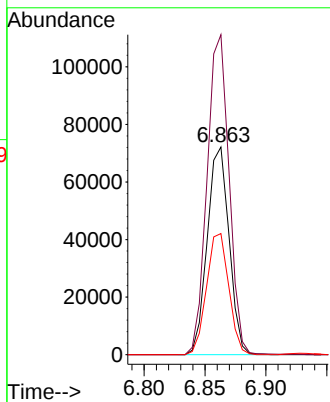
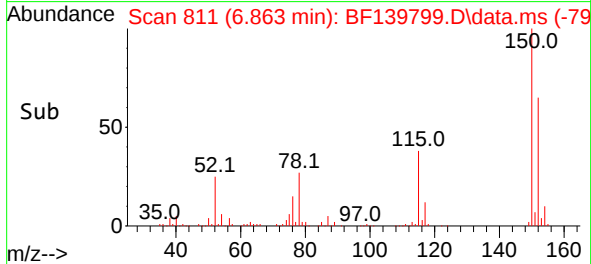
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



Tgt Ion:152 Resp: 9007
Ion Ratio Lower Upper
152 100
150 154.1 127.2 190.8
115 58.3 49.0 73.4

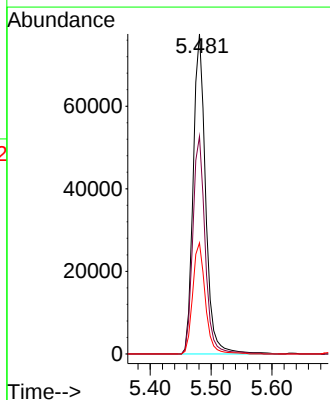
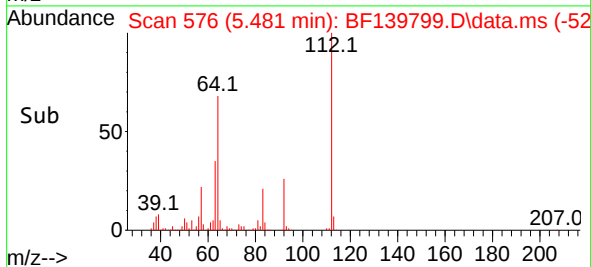
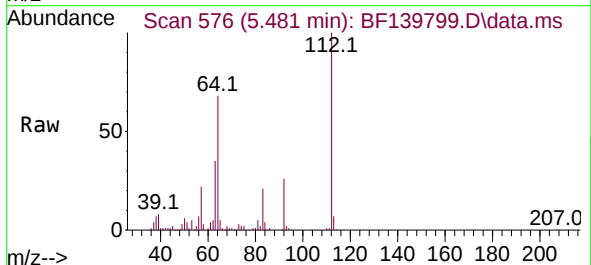
Manual Integrations
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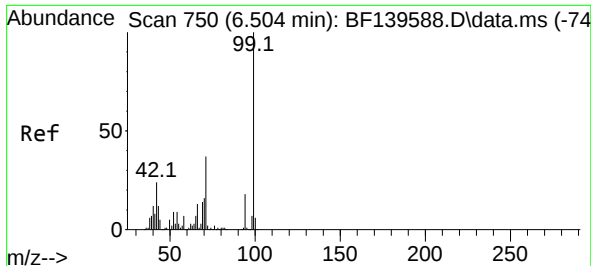
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 21.154 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

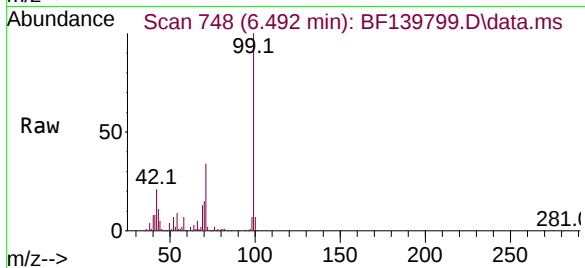
Tgt Ion:112 Resp: 109937
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 34.7 29.4 44.2





#7
Phenol-d6
Concen: 21.192 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

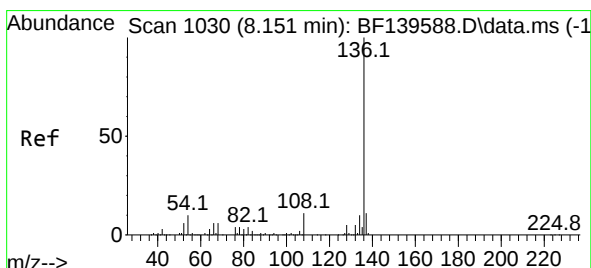
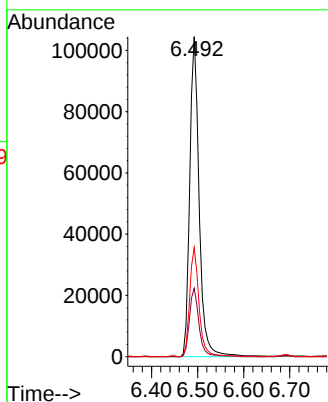
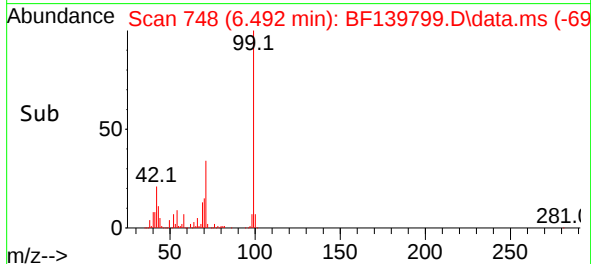
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



Tgt Ion: 99 Resp: 14810
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 34.1 29.7 44.5

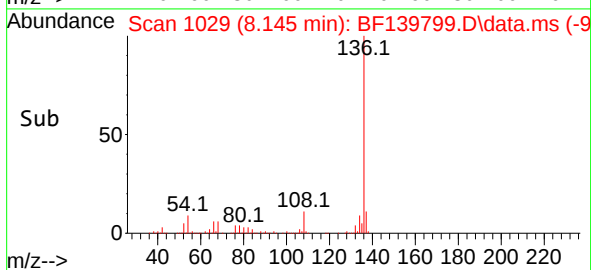
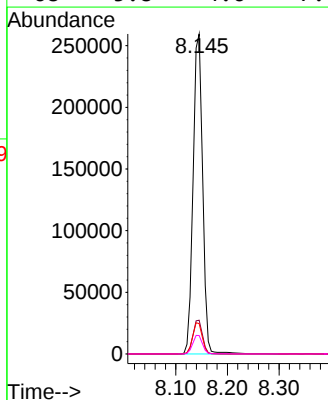
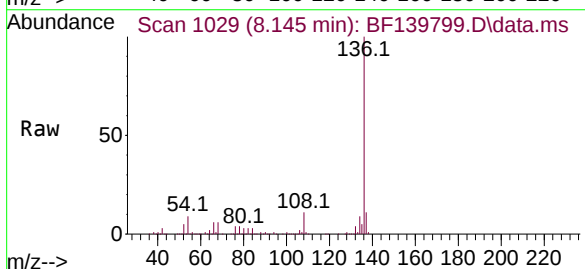
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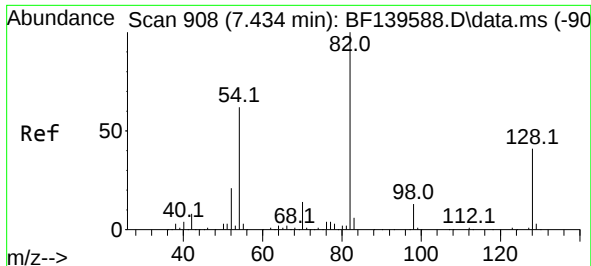
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion:136 Resp: 333860
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.5 8.3 12.5
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 13.801 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

Tgt Ion: 82 Resp: 9100

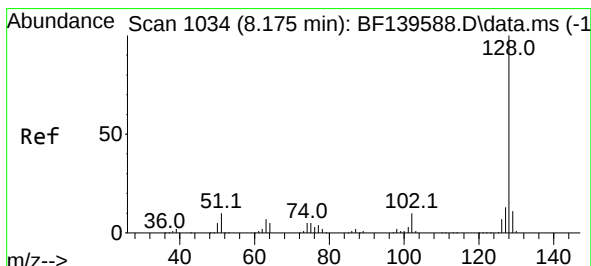
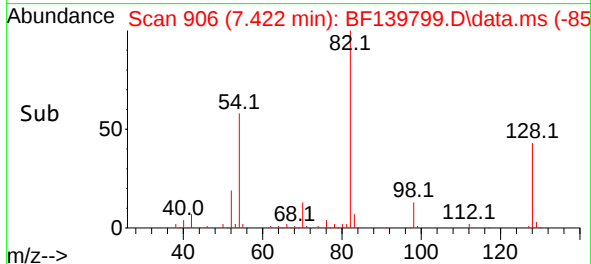
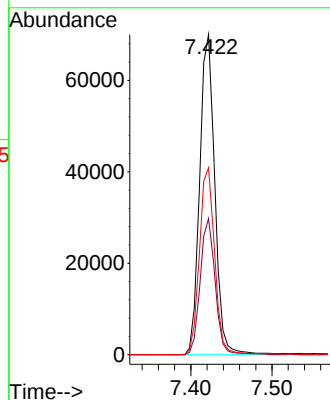
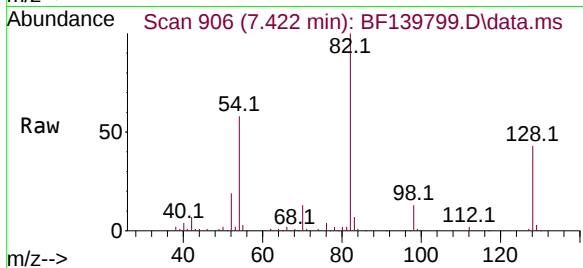
Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.4	48.6
54	58.4	49.1	73.7

Manual Integrations

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Supervised By :mohammad ahmed 10/15/2024



#31

Naphthalene

Concen: 2.225 ng

RT: 8.163 min Scan# 1032

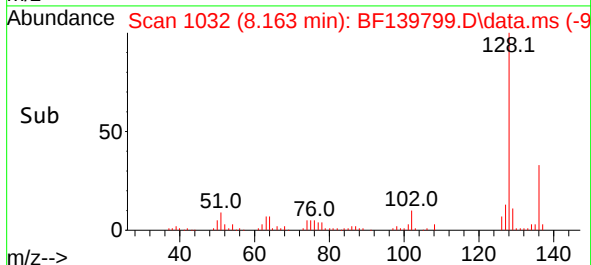
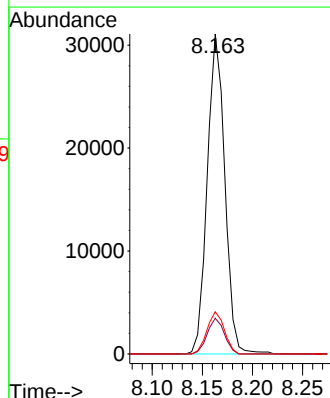
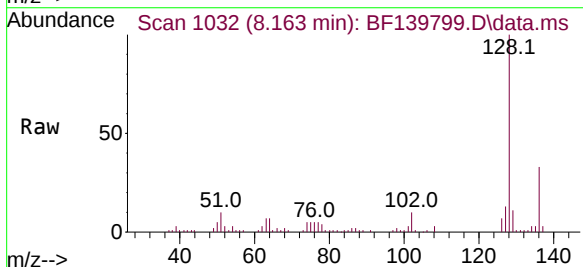
Delta R.T. -0.012 min

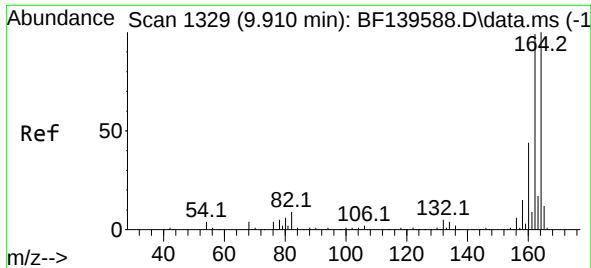
Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Tgt Ion:128 Resp: 37979

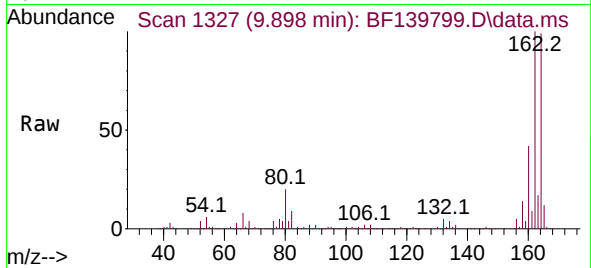
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.5	15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

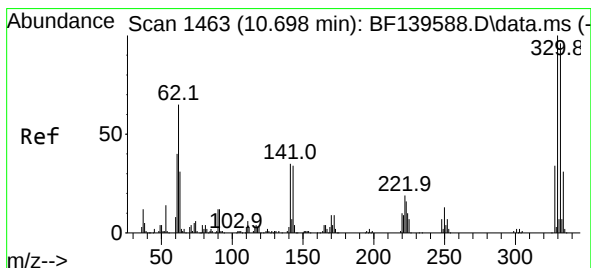
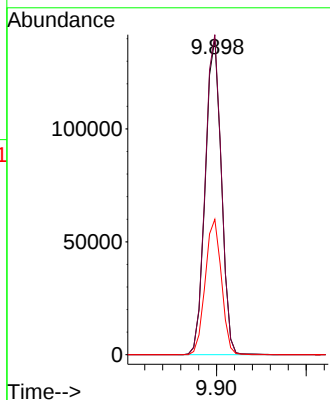
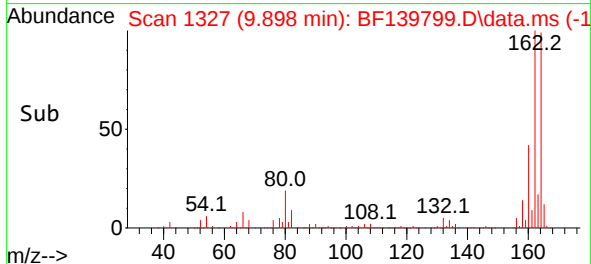
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



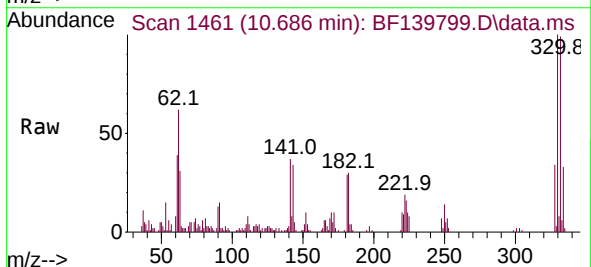
Tgt Ion:164 Resp: 17359
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.0
160 42.8 35.1 52.7

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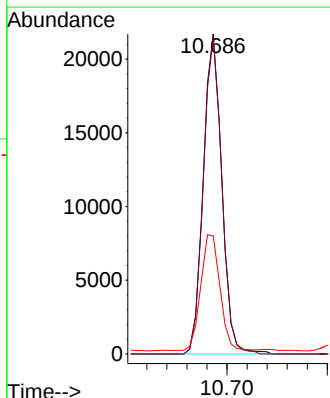
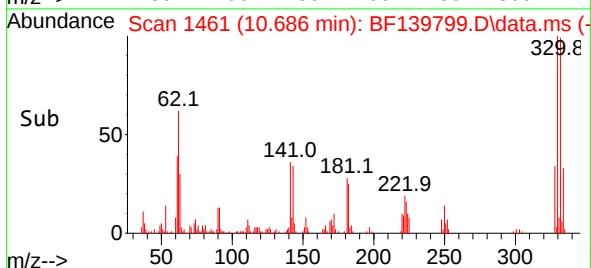
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024

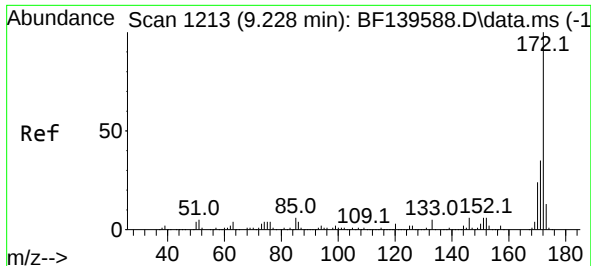


#42
2,4,6-Tribromophenol
Concen: 16.629 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21



Tgt Ion:330 Resp: 27867
Ion Ratio Lower Upper
330 100
332 98.5 76.5 114.7
141 37.5 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 15.675 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139799.D

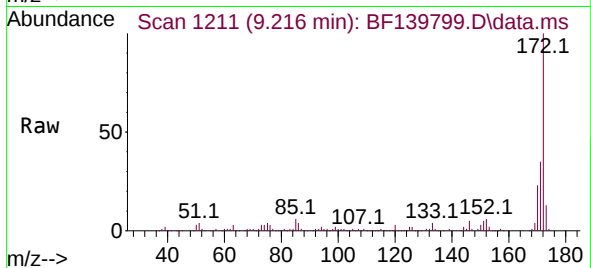
Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL



Tgt Ion:172 Resp: 17725

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

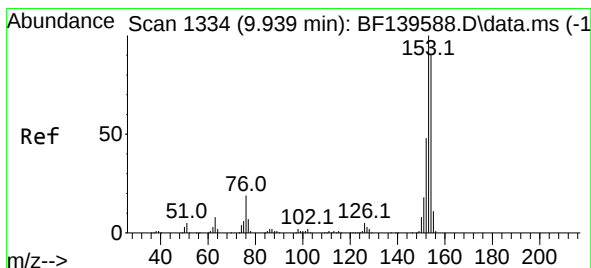
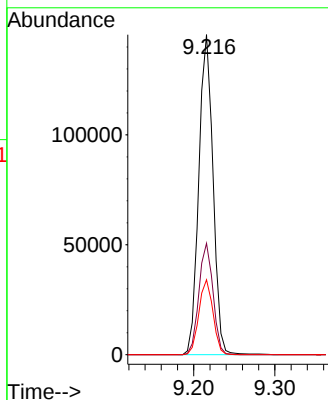
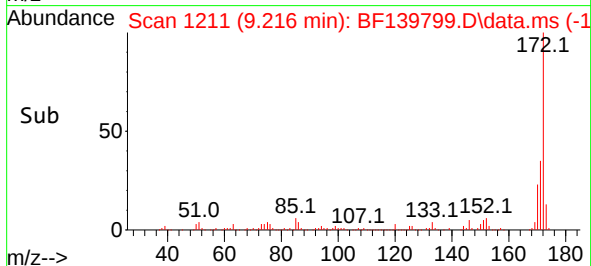
170 23.4 18.8 28.2

Manual Integrations

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#52

Acenaphthene

Concen: 2.202 ng

RT: 9.928 min Scan# 1332

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

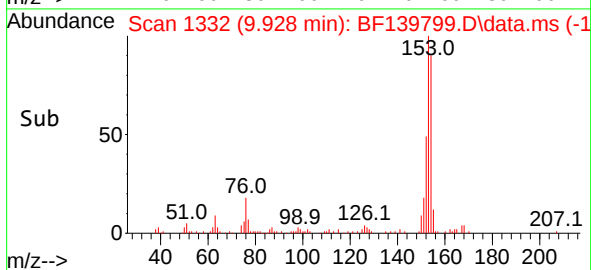
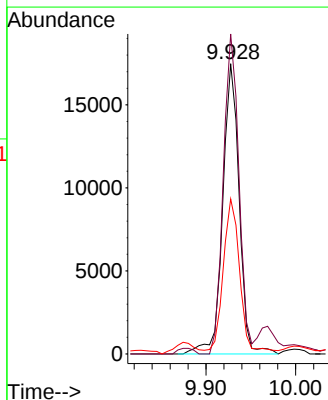
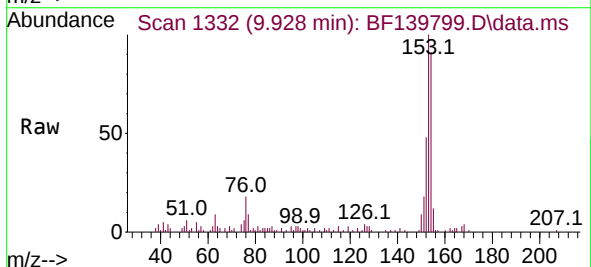
Tgt Ion:154 Resp: 22254

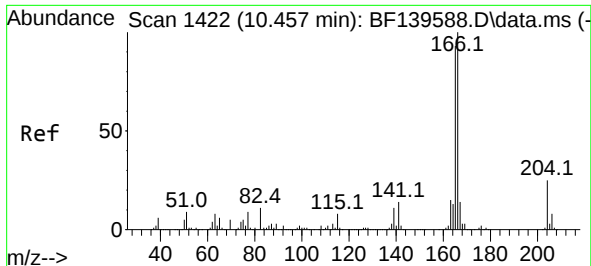
Ion Ratio Lower Upper

154 100

153 110.3 88.8 133.2

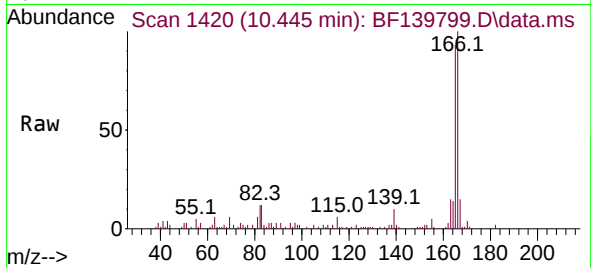
152 53.4 42.5 63.7





#58
Fluorene
Concen: 2.737 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

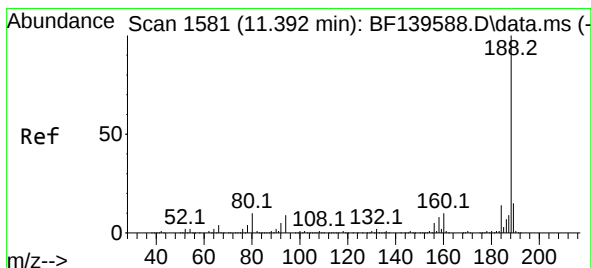
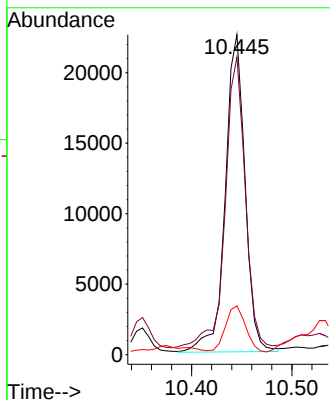
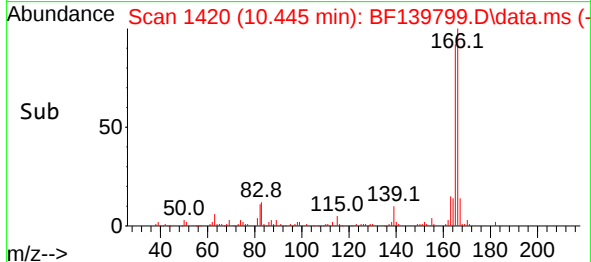
Instrument :
BNA_F
ClientSampleId :
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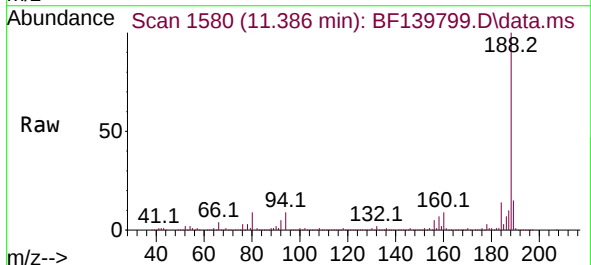
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Ion Ratio Lower Upper
166 100
165 93.0 74.4 111.6
167 15.3 10.9 16.3

Manual Integrations
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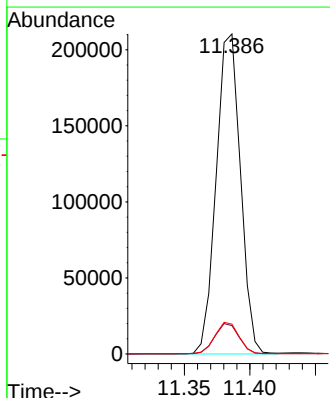
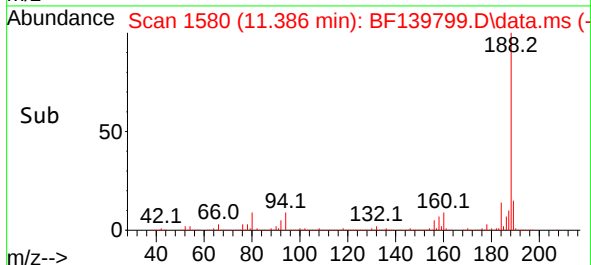
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024

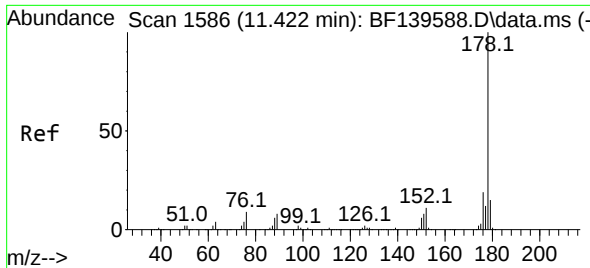


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21



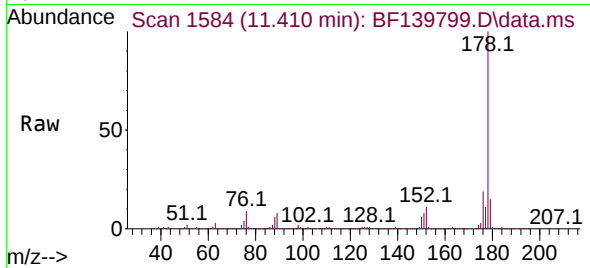
Tgt Ion:188 Resp: 270748
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.3 8.2 12.2





#71
Phenanthrene
Concen: 27.521 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

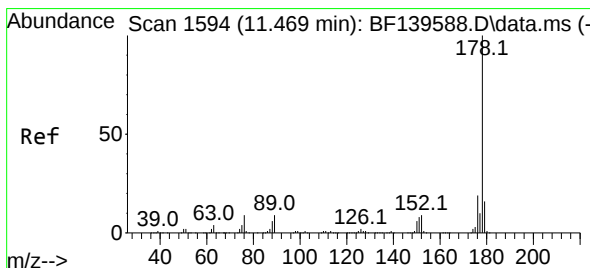
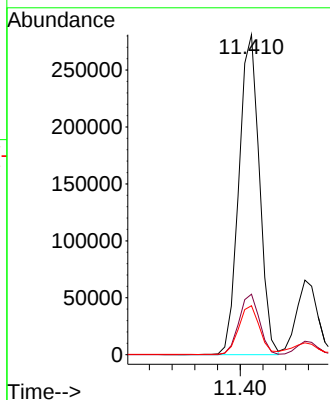
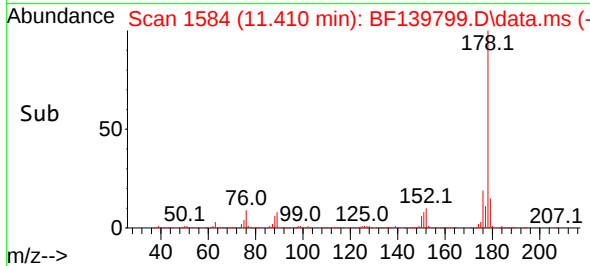
Instrument :
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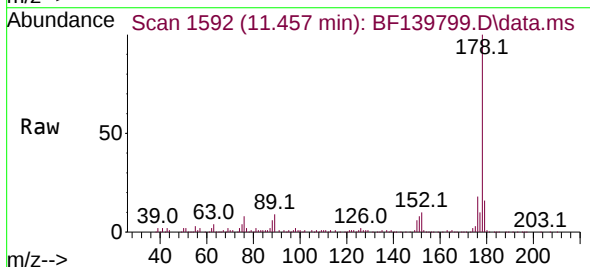
Tgt Ion:178 Resp: 35133
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.3 12.3 18.5

Manual Integrations
APPROVED

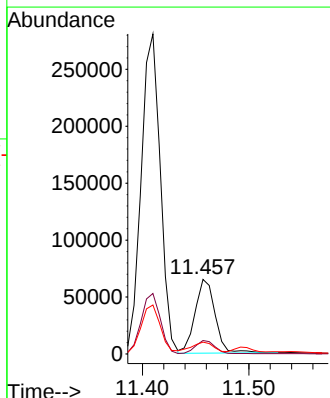
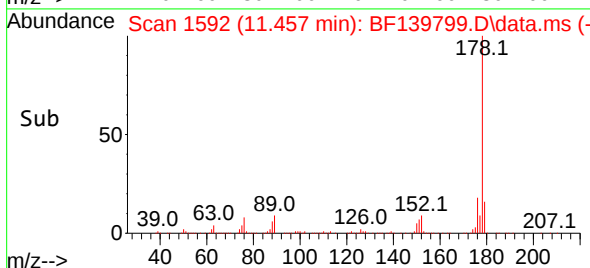
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024

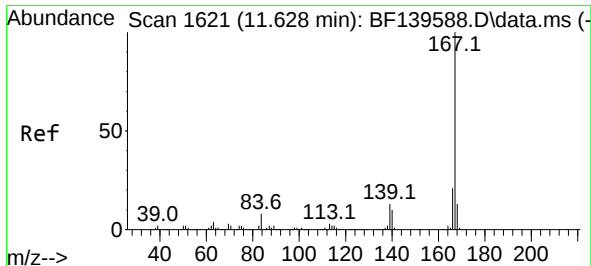


#72
Anthracene
Concen: 6.743 ng
RT: 11.457 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21



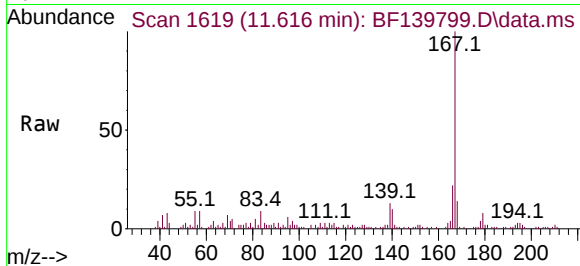
Tgt Ion:178 Resp: 85161
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 16.0 12.5 18.7





#73
 Carbazole
 Concen: 2.760 ng
 RT: 11.616 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF139799.D
 Acq: 14 Oct 2024 20:21

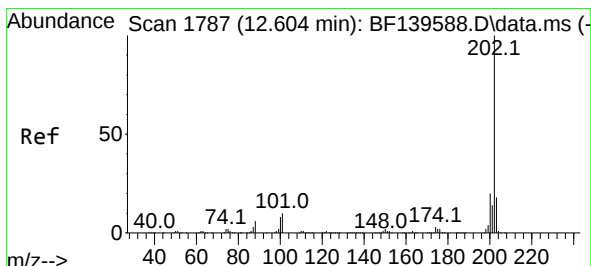
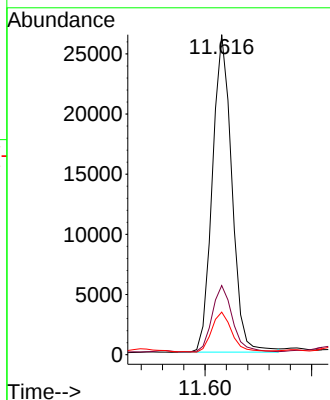
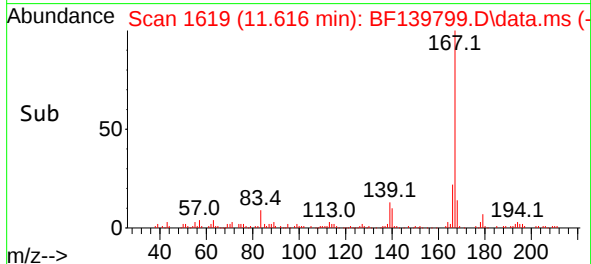
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-1.0-1.5DL



Tgt Ion:167 Resp: 33484
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 13.3 10.3 15.5

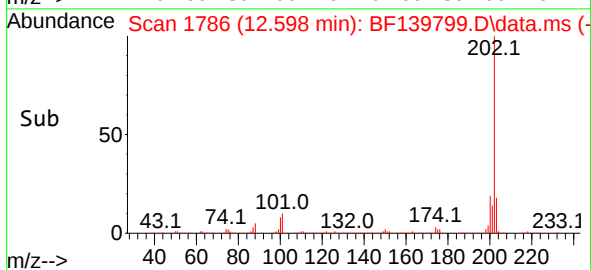
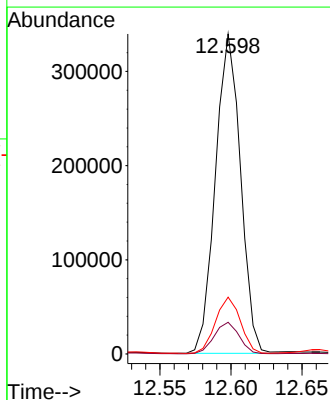
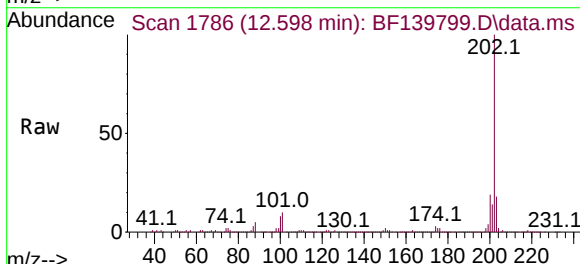
Manual Integrations
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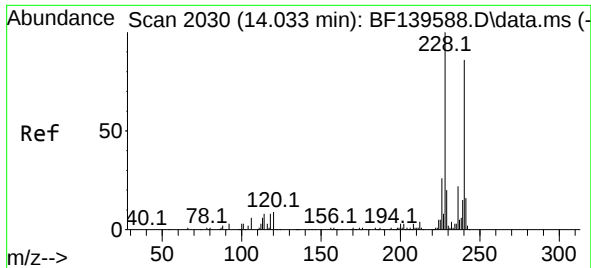
Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024



#75
 Fluoranthene
 Concen: 29.856 ng
 RT: 12.598 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF139799.D
 Acq: 14 Oct 2024 20:21

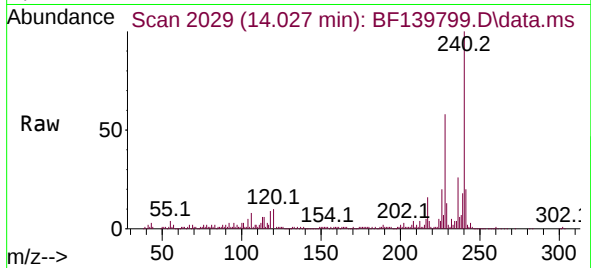
Tgt Ion:202 Resp: 416648
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.2
 203 17.7 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

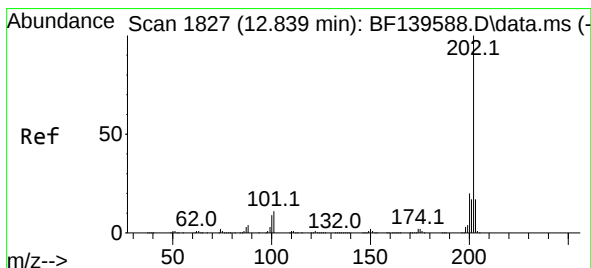
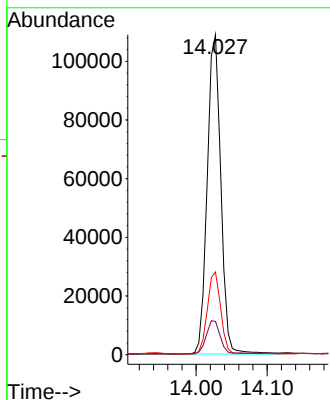
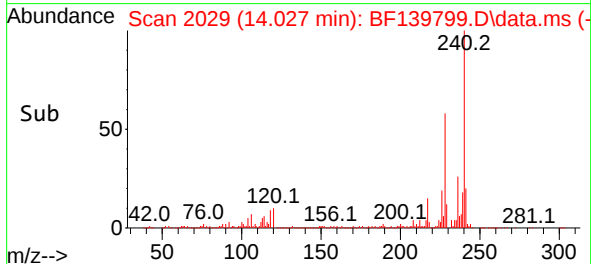
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



Tgt Ion:240 Resp: 14510
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 25.9 20.3 30.5

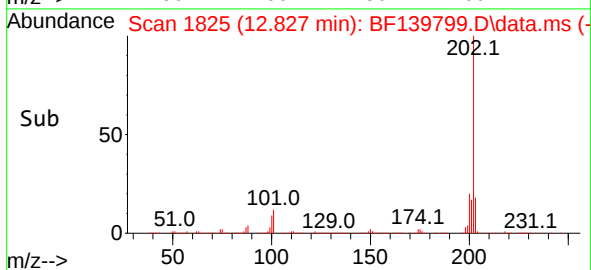
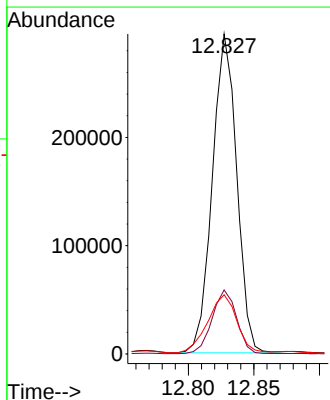
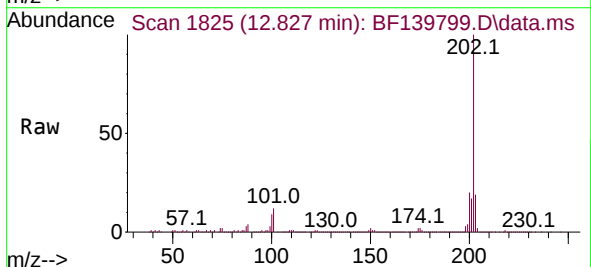
Manual Integrations
APPROVED

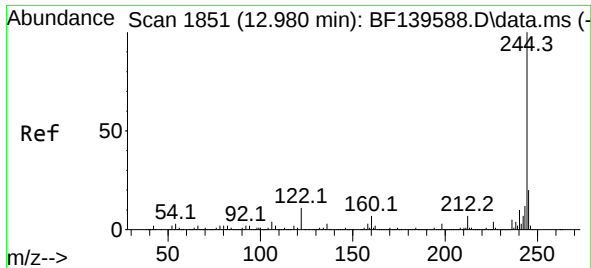
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#78
Pyrene
Concen: 29.368 ng
RT: 12.827 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

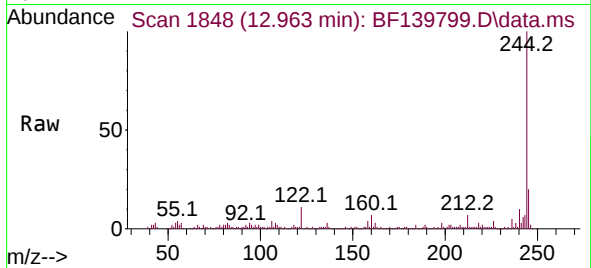
Tgt Ion:202 Resp: 381146
Ion Ratio Lower Upper
202 100
200 20.0 15.8 23.6
203 18.5 13.8 20.8





#79
 Terphenyl-d14
 Concen: 13.381 ng
 RT: 12.963 min Scan# 118334
 Delta R.T. -0.017 min
 Lab File: BF139799.D
 Acq: 14 Oct 2024 20:21

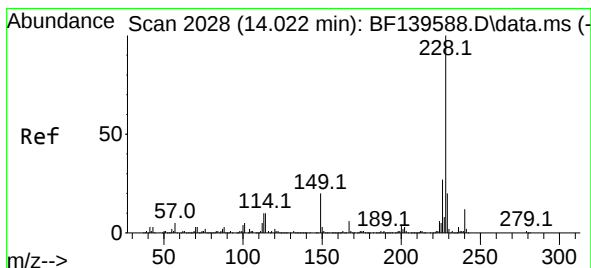
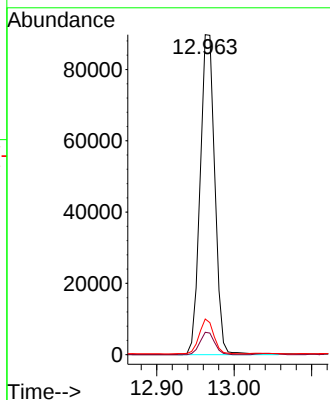
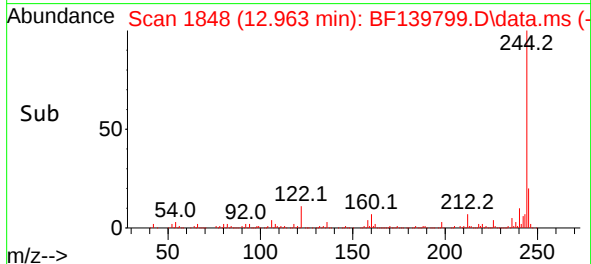
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-1.0-1.5DL



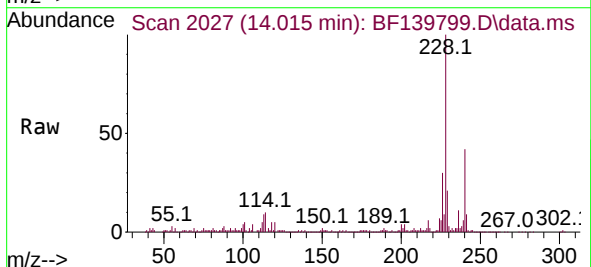
Tgt Ion:244 Resp: 118334
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 11.1 8.6 12.8

Manual Integrations
 APPROVED

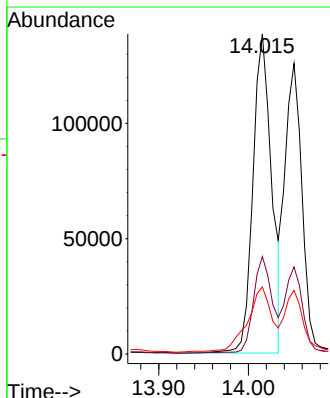
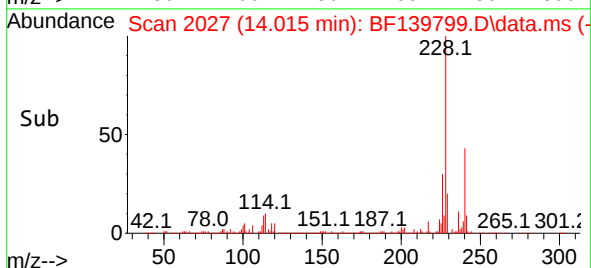
Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024

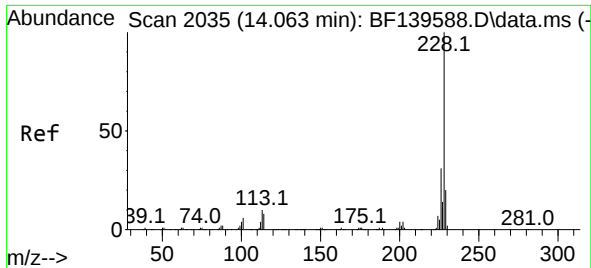


#81
 Benzo(a)anthracene
 Concen: 21.047 ng
 RT: 14.015 min Scan# 2027
 Delta R.T. -0.006 min
 Lab File: BF139799.D
 Acq: 14 Oct 2024 20:21



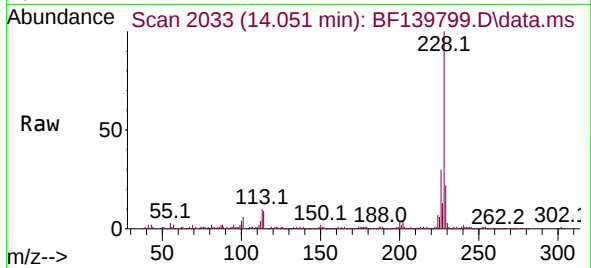
Tgt Ion:228 Resp: 200794
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.8 32.8
 229 20.9 15.8 23.8





#83
Chrysene
Concen: 18.845 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

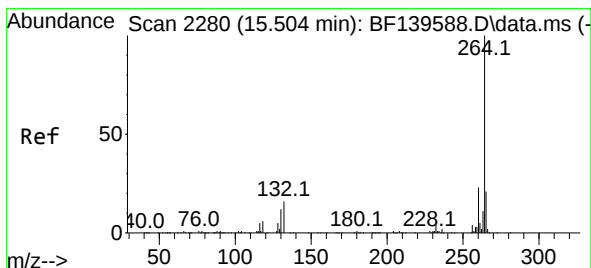
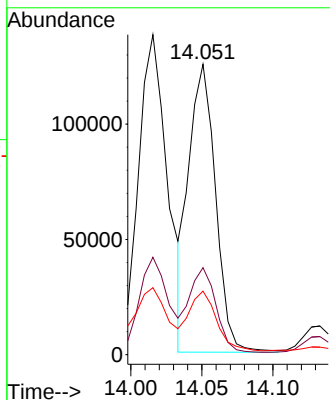
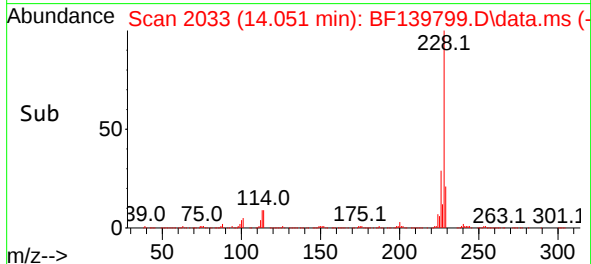
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



Tgt Ion:228 Resp: 164360
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.9 15.7 23.5

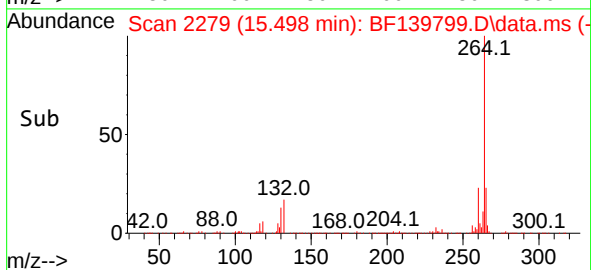
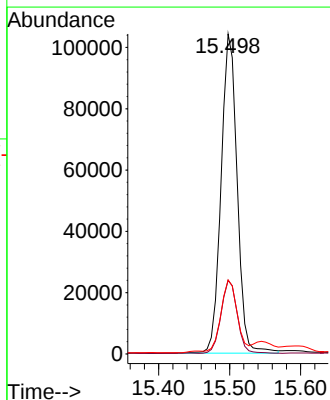
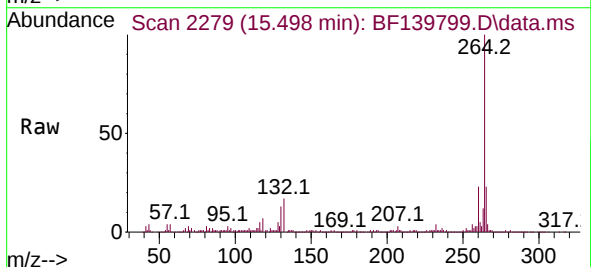
Manual Integrations
APPROVED

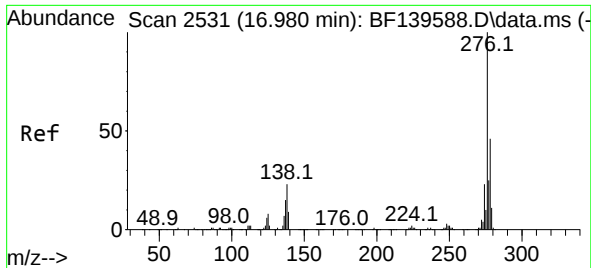
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

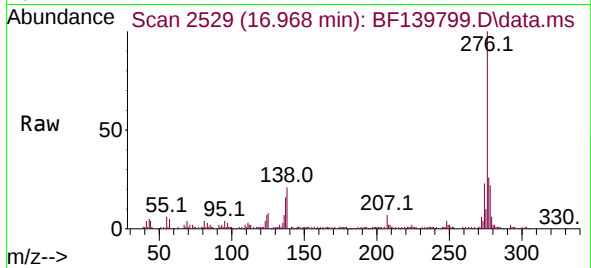
Tgt Ion:264 Resp: 163152
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 23.1 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.393 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

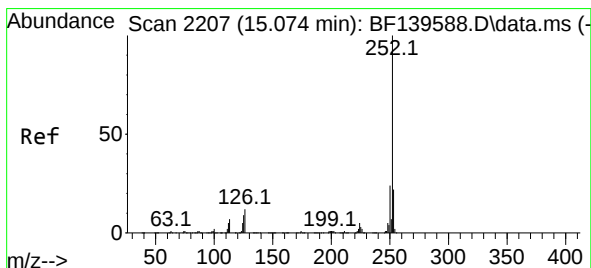
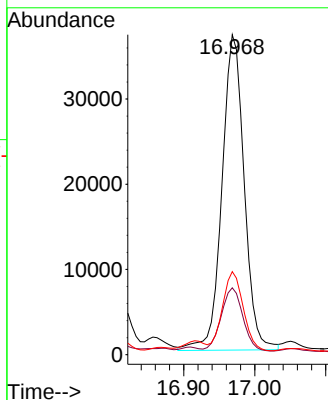
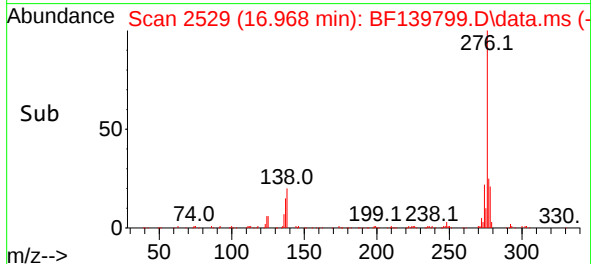
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



Tgt Ion:276 Resp: 80590
Ion Ratio Lower Upper
276 100
138 19.4 19.4 29.0
277 23.3 20.2 30.2

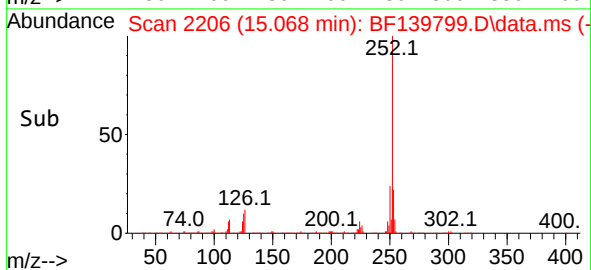
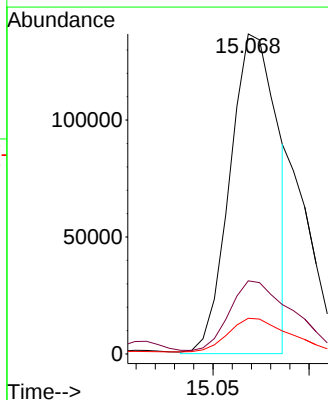
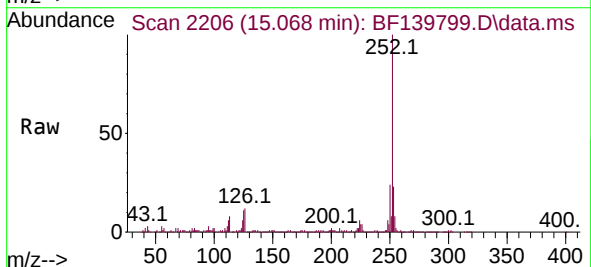
Manual Integrations
APPROVED

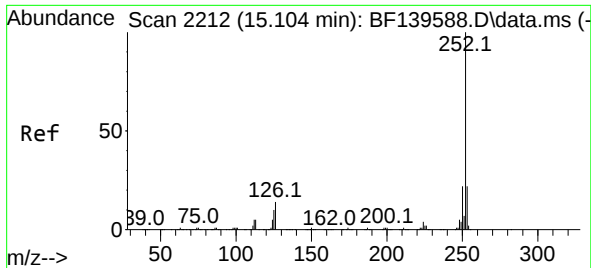
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#88
Benzo(b)fluoranthene
Concen: 22.305 ng m
RT: 15.068 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion:252 Resp: 235295
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.2 7.4 11.0#





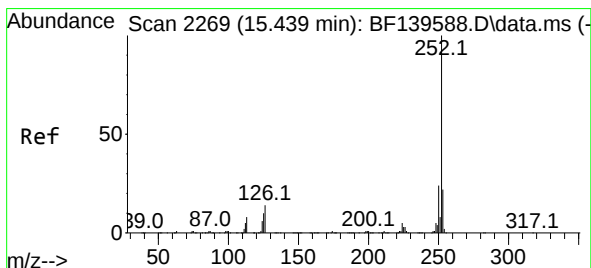
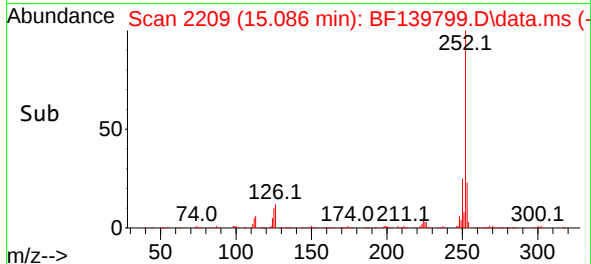
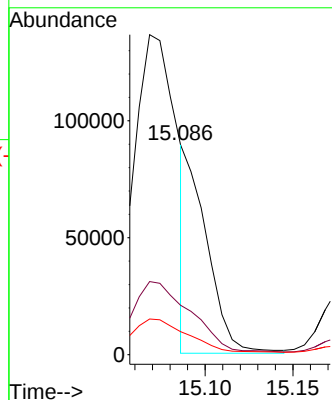
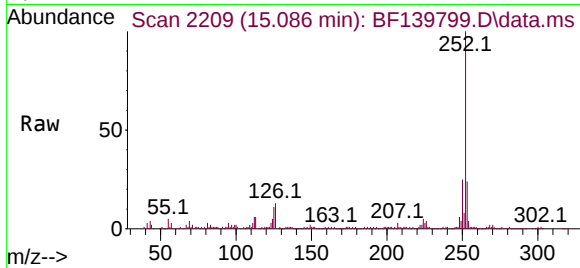
#89
Benzo(k)fluoranthene
Concen: 8.232 ng m
RT: 15.086 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL

Tgt Ion:252 Resp: 7366
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.0 7.6 11.4

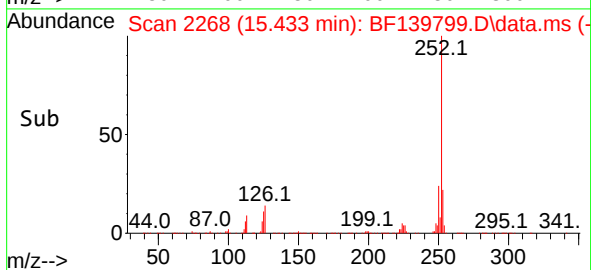
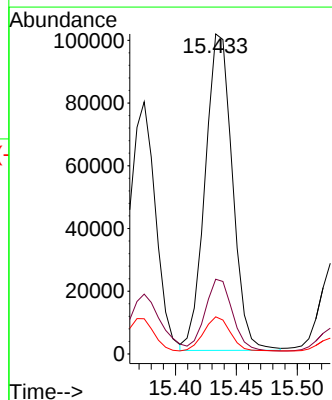
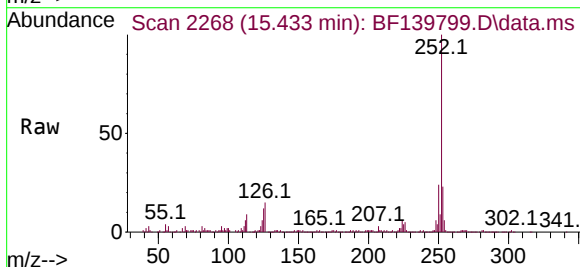
Manual Integrations
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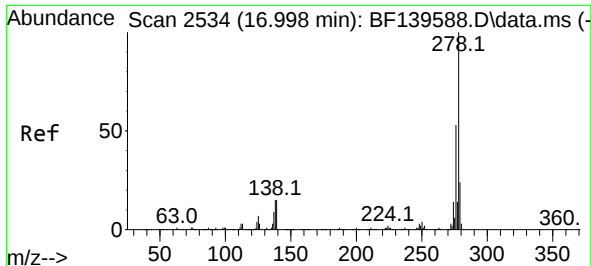
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#90
Benzo(a)pyrene
Concen: 18.978 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

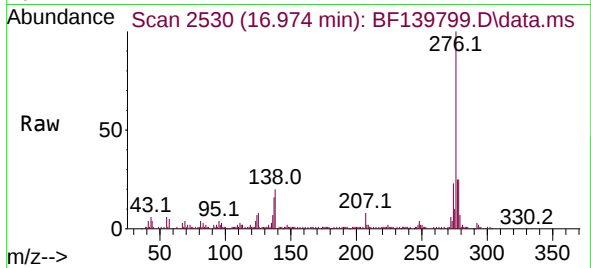
Tgt Ion:252 Resp: 157861
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 11.6 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 2.586 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

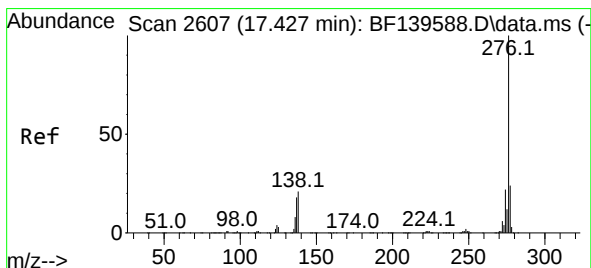
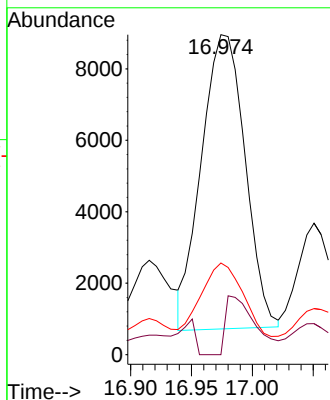
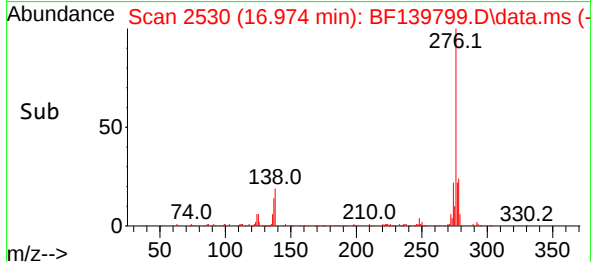
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL



Tgt Ion: 278 Resp: 2059
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 28.7 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#92
Benzo(g,h,i)perylene
Concen: 9.948 ng
RT: 17.415 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion: 276 Resp: 79461
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.6
138 22.2 17.0 25.6

