

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139785.D
 Acq On : 11 Oct 2024 20:05
 Operator : RC/JU
 Sample : P4364-05 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-2.0-2.5

Manual Integrations
 APPROVED

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

Quant Time: Oct 12 02:02:19 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	6.869	152	53843	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	176510	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	95756	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	193768	20.000	ng	0.00
76) Chrysene-d12	14.033	240	118131	20.000	ng	0.00
86) Perylene-d12	15.510	264	91773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	65452	21.069	ng	0.00
7) Phenol-d6	6.504	99	76106	18.218	ng	0.00
23) Nitrobenzene-d5	7.428	82	42765	12.267	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	17660	19.105	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	83209	13.340	ng	0.00
79) Terphenyl-d14	12.975	244	104849	14.563	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	23706	2.920	ng	99
71) Phenanthrene	11.416	178	113796	12.455	ng	98
72) Anthracene	11.469	178	23025	2.547	ng	99
75) Fluoranthene	12.610	202	159342	15.954	ng	99
78) Pyrene	12.839	202	193222	18.288	ng	99
81) Benzo(a)anthracene	14.022	228	69382m	8.933	ng	
83) Chrysene	14.057	228	65292	9.195	ng	96
87) Indeno(1,2,3-cd)pyrene	16.992	276	21395	3.961	ng	96
88) Benzo(b)fluoranthene	15.080	252	54083m	9.114	ng	
89) Benzo(k)fluoranthene	15.098	252	15931m	3.165	ng	
90) Benzo(a)pyrene	15.451	252	40163	8.584	ng	# 93
92) Benzo(g,h,i)perylene	17.445	276	24162	5.378	ng	93

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

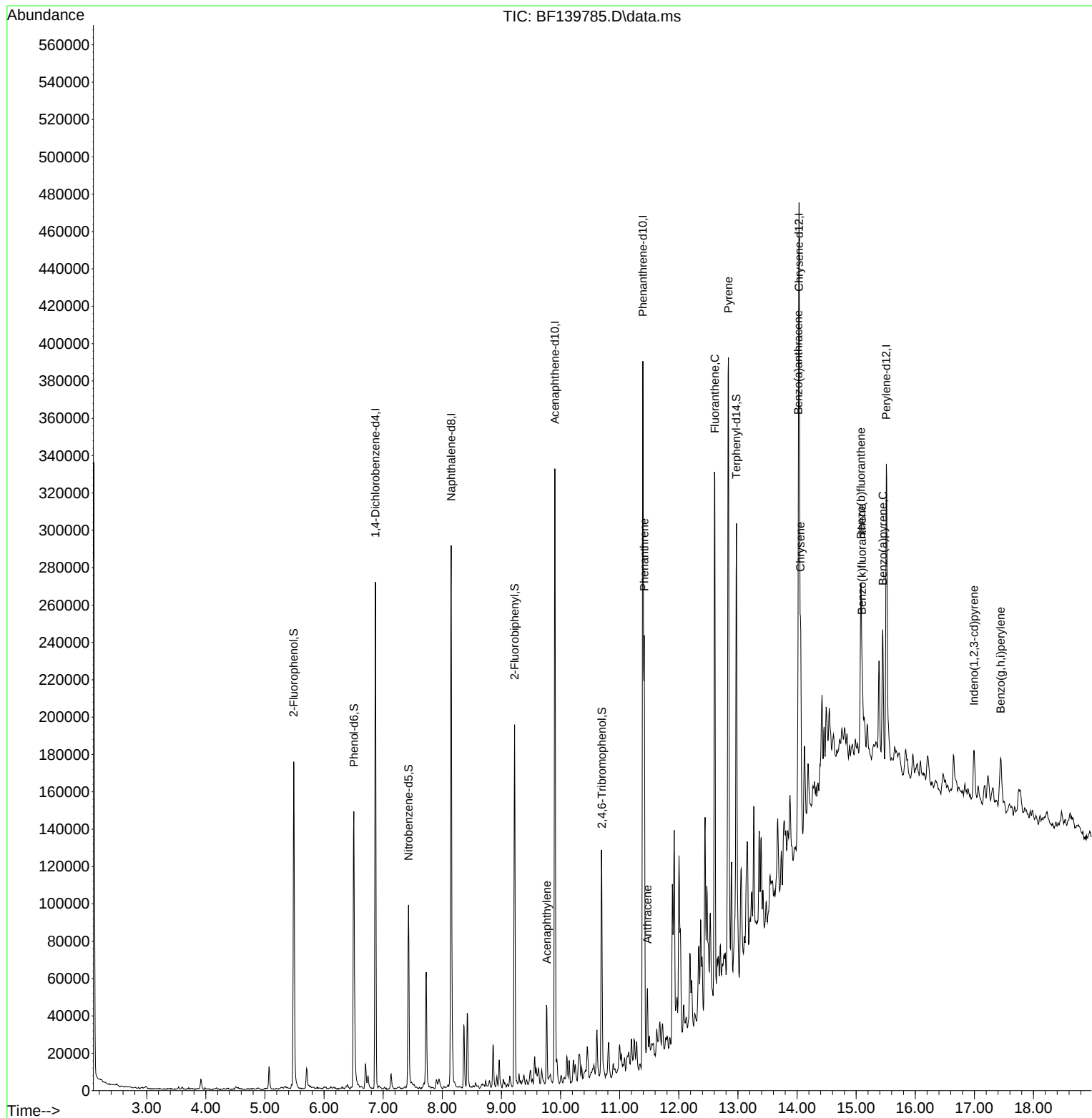
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139785.D
Acq On : 11 Oct 2024 20:05
Operator : RC/JU
Sample : P4364-05 5X
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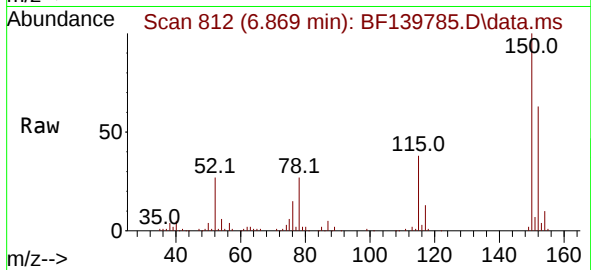
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

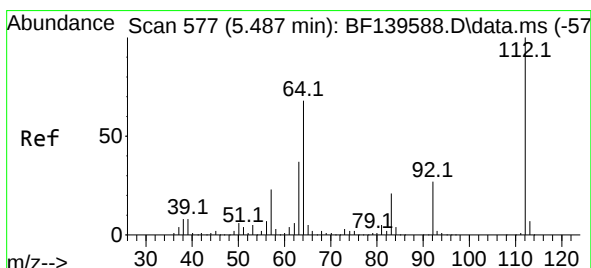
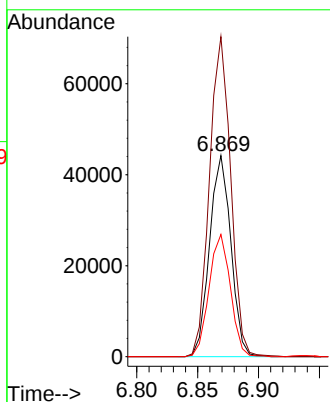
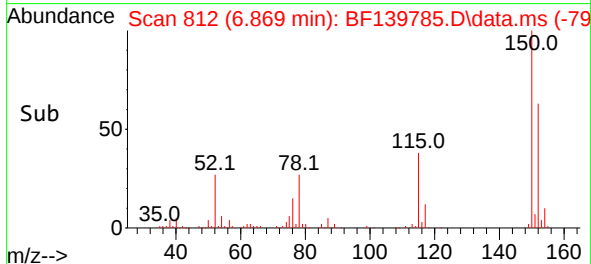


Tgt Ion:152 Resp: 5384
Ion Ratio Lower Upper
152 100
150 159.1 127.2 190.8
115 60.8 49.0 73.4

Manual Integrations

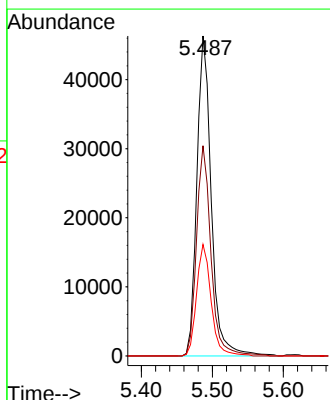
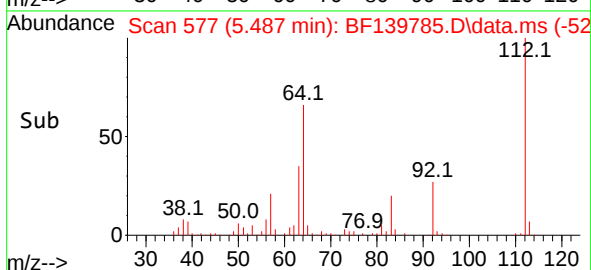
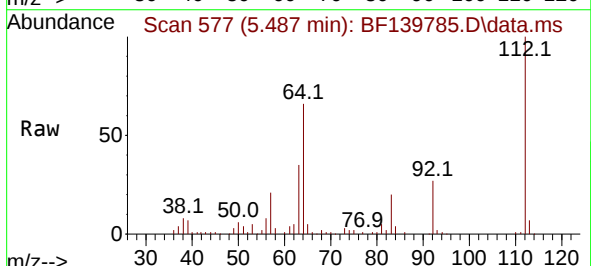
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#5
2-Fluorophenol
Concen: 21.069 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:112 Resp: 65452
Ion Ratio Lower Upper
112 100
64 65.7 54.2 81.4
63 34.9 29.4 44.2





#7

Phenol-d6

Concen: 18.218 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139785.D

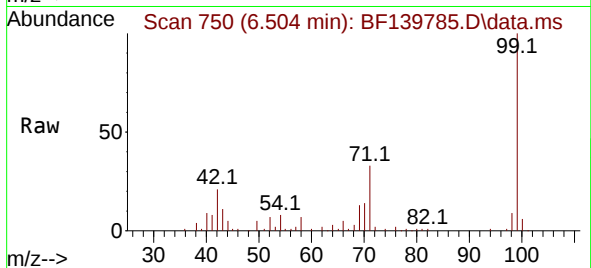
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

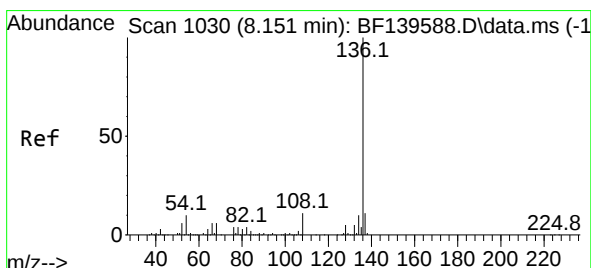
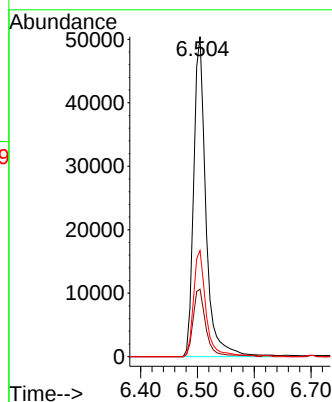
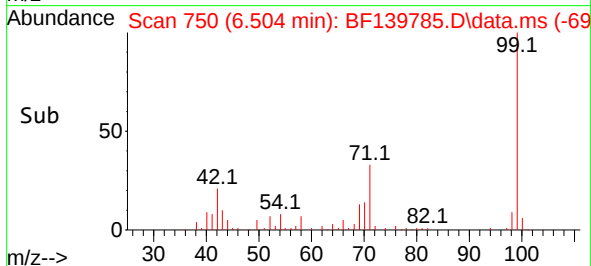


Tgt Ion: 99	Resp: 76100
Ion Ratio	Lower Upper
99	100
42	21.1 19.1 28.7
71	33.2 29.7 44.5

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

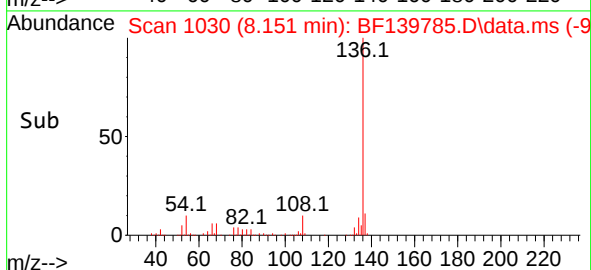
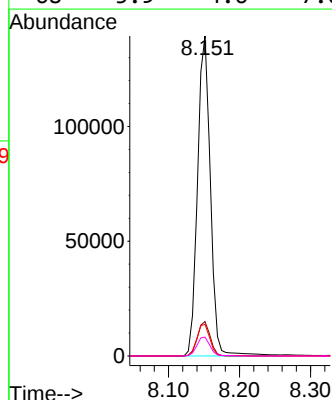
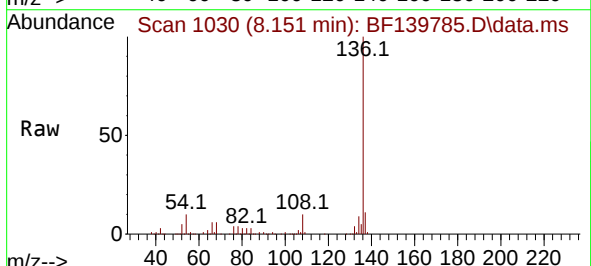
RT: 8.151 min Scan# 1030

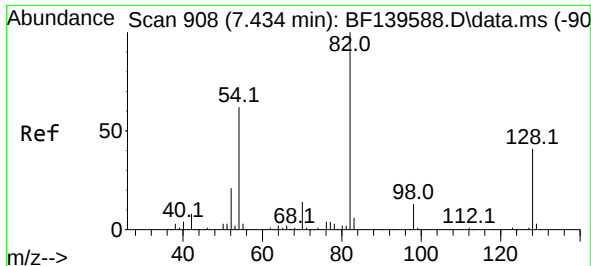
Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Tgt Ion:136	Resp: 176510
Ion Ratio	Lower Upper
136	100
137	10.8 8.6 13.0
54	9.9 8.3 12.5
68	5.9 4.6 7.0





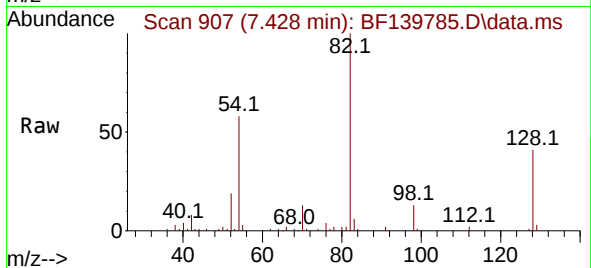
#23
Nitrobenzene-d5
Concen: 12.267 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

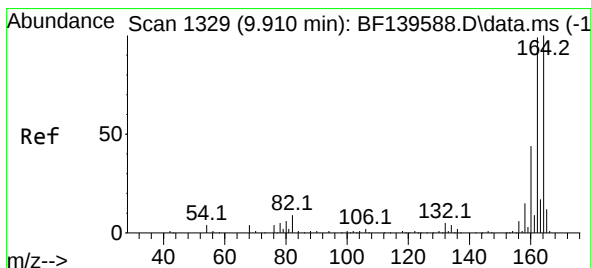
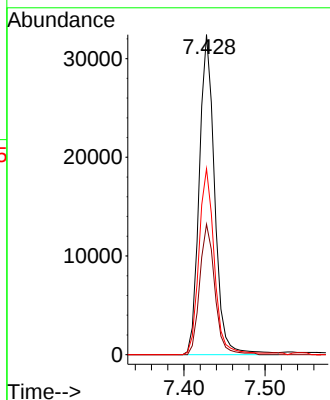
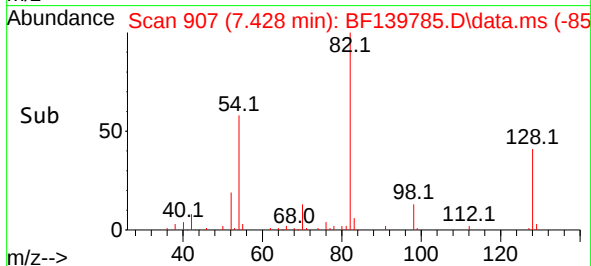


Tgt Ion: 82 Resp: 42768
Ion Ratio Lower Upper
82 100
128 40.7 32.4 48.6
54 58.1 49.1 73.7

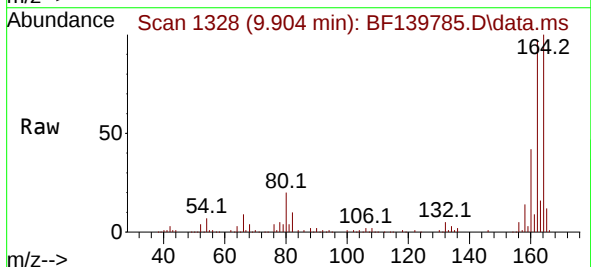
Manual Integrations

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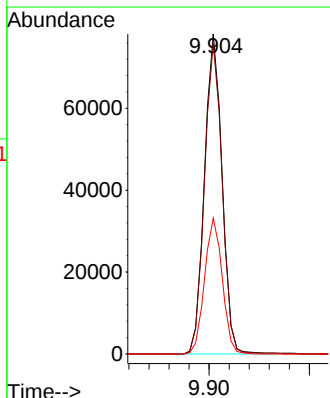
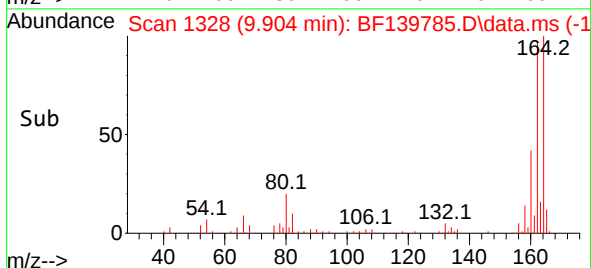
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

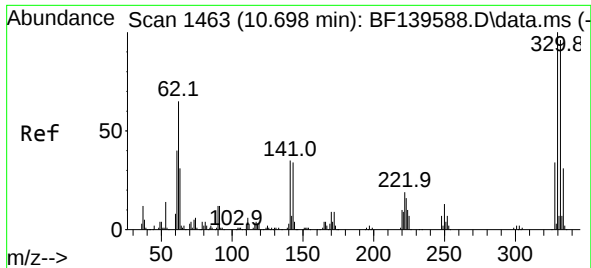


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05



Tgt Ion:164 Resp: 95756
Ion Ratio Lower Upper
164 100
162 97.2 79.4 119.0
160 42.5 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 19.105 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

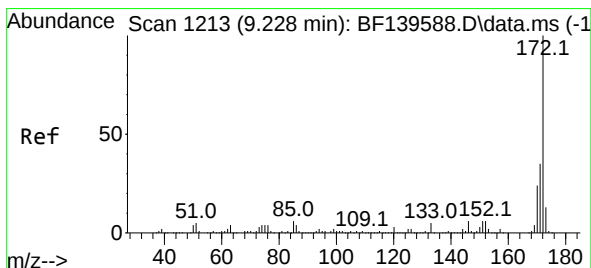
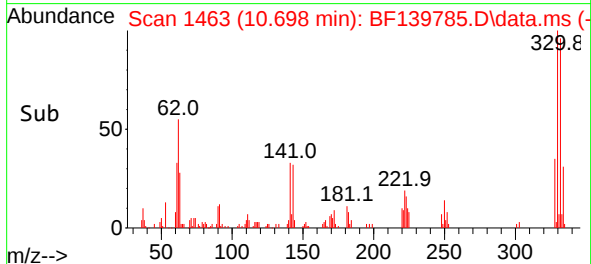
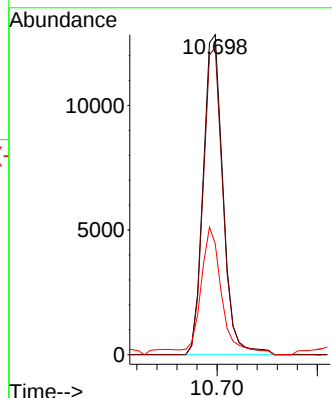
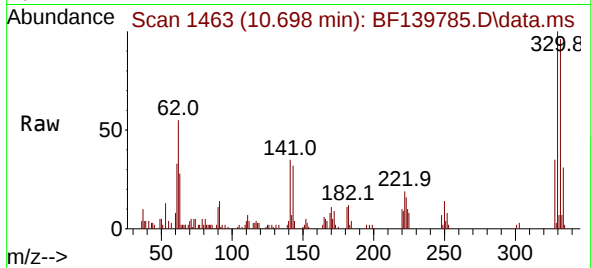
SB-02-2.0-2.5

Tgt Ion:330 Resp: 17660
Ion Ratio Lower Upper
330 100
332 95.8 76.5 114.7
141 42.1 29.3 43.9

Manual Integrations

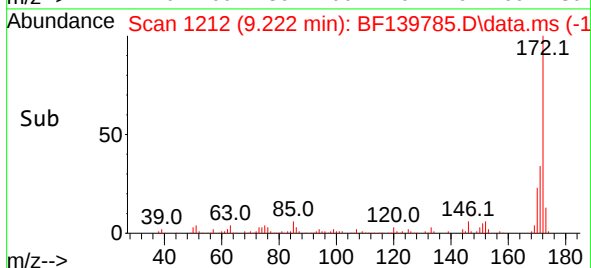
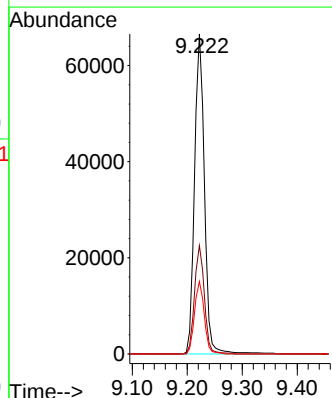
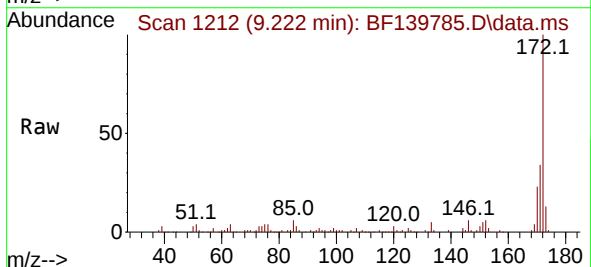
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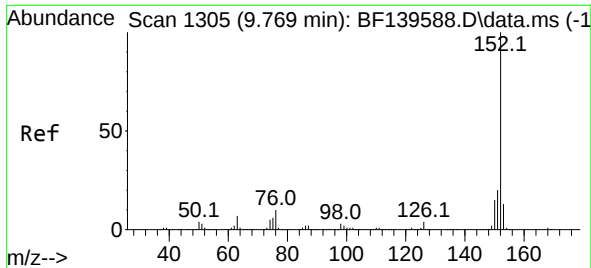
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#45
2-Fluorobiphenyl
Concen: 13.340 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:172 Resp: 83209
Ion Ratio Lower Upper
172 100
171 33.8 28.2 42.4
170 22.6 18.8 28.2





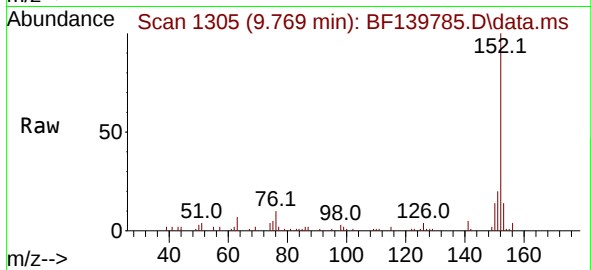
#49
Acenaphthylene
Concen: 2.920 ng
RT: 9.769 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

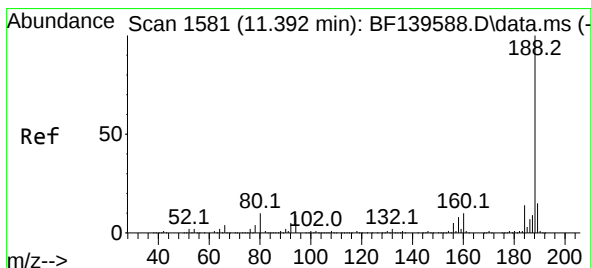
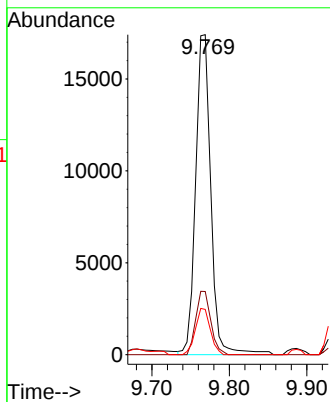
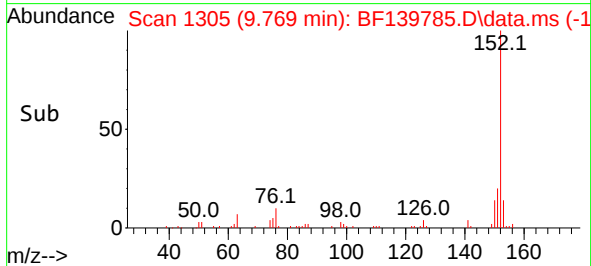


Tgt Ion:152 Resp: 23700
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 14.2 10.5 15.7

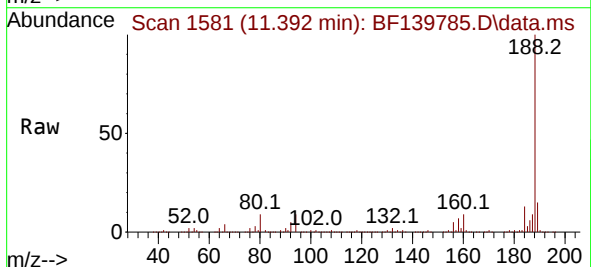
Manual Integrations

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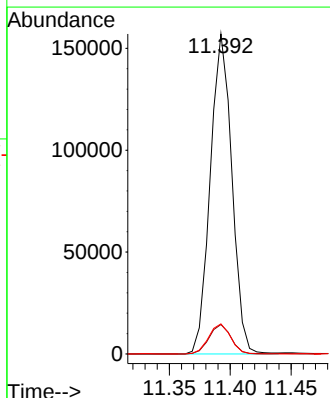
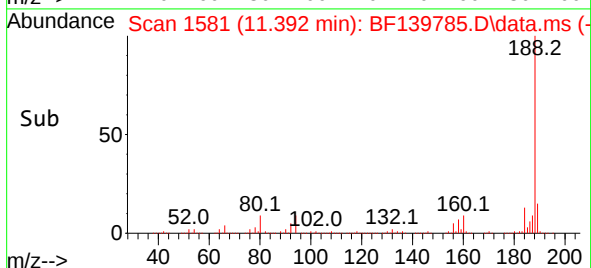
Reviewed By :Jagrut Upadhyay 10/14/2024
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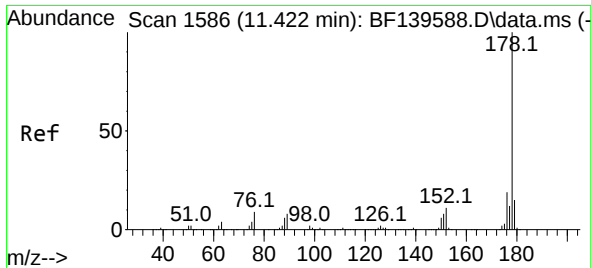


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05



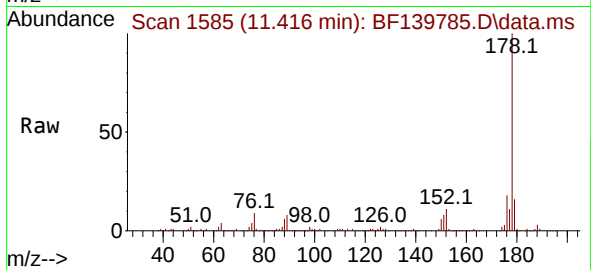
Tgt Ion:188 Resp: 193768
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 9.4 8.2 12.2





#71
Phenanthrene
Concen: 12.455 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

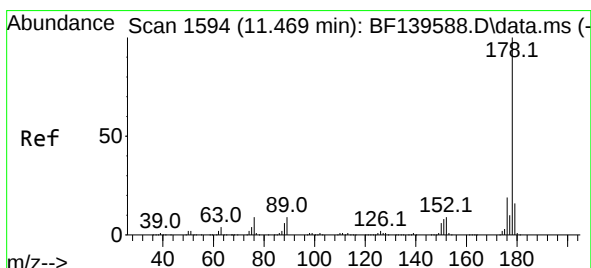
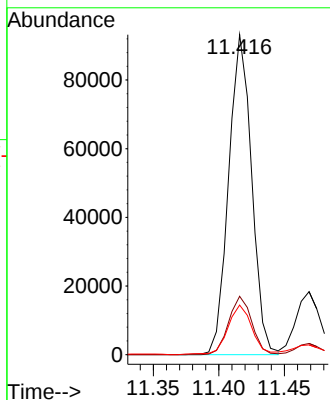
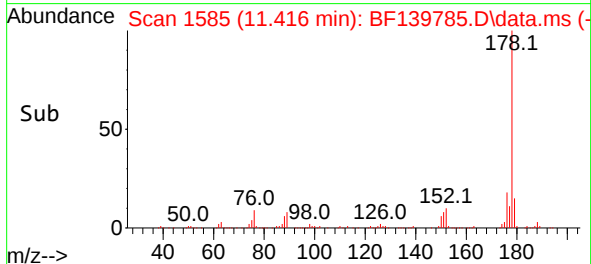
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5



Tgt Ion:178 Resp: 113790
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.5 12.3 18.5

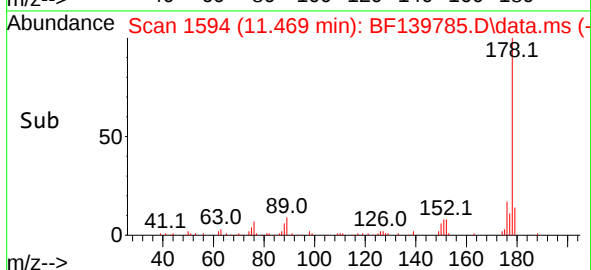
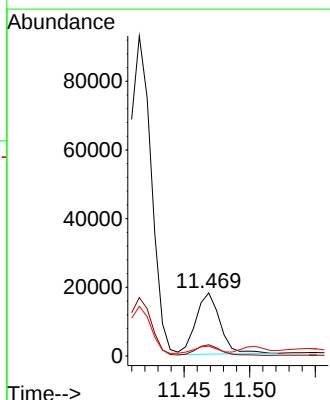
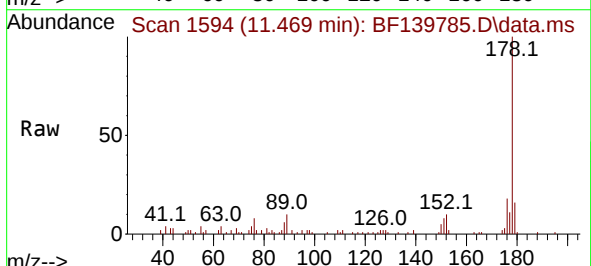
Manual Integrations
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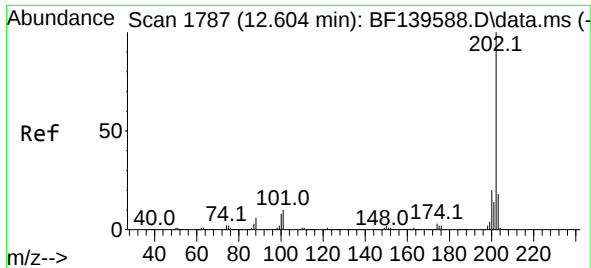
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 2.547 ng
RT: 11.469 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:178 Resp: 23025
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 15.6 12.5 18.7





#75
Fluoranthene
Concen: 15.954 ng
RT: 12.610 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

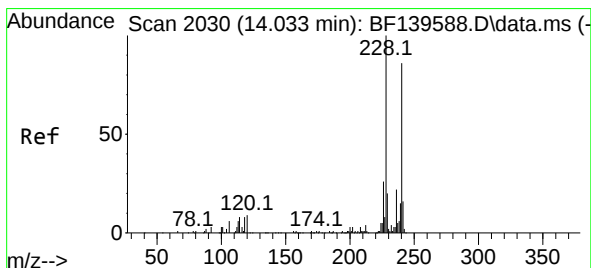
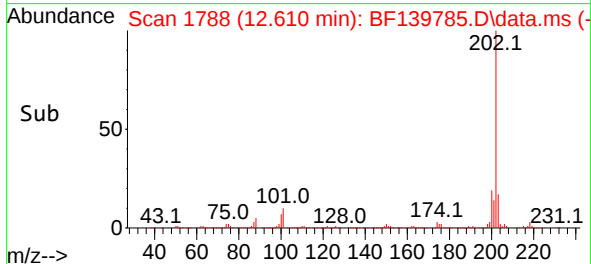
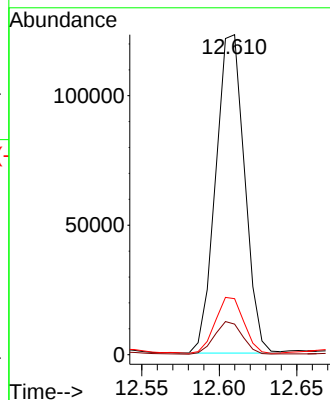
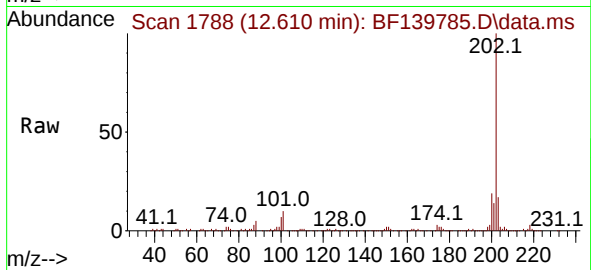
SB-02-2.0-2.5

Tgt Ion:202 Resp: 15934
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 17.5 0.0 37.7

Manual Integrations

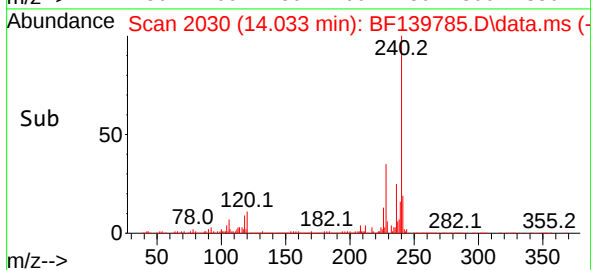
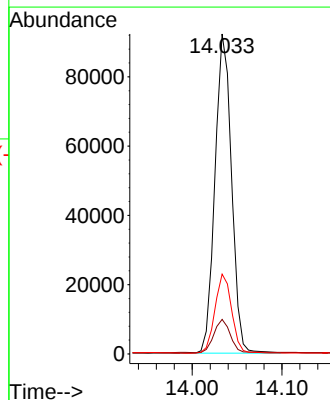
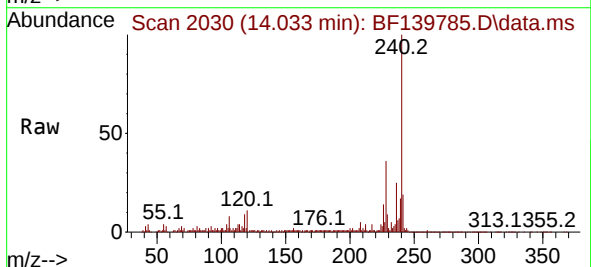
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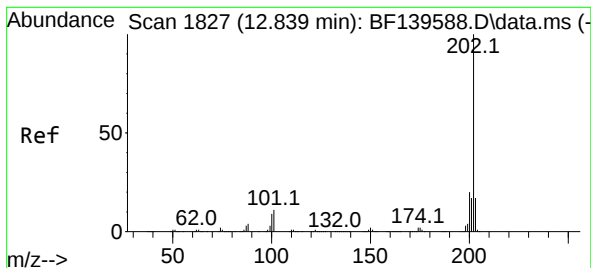
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:240 Resp: 118131
Ion Ratio Lower Upper
240 100
120 10.8 8.4 12.6
236 25.0 20.3 30.5





#78

Pyrene

Concen: 18.288 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

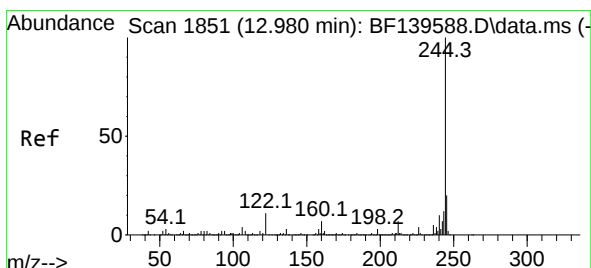
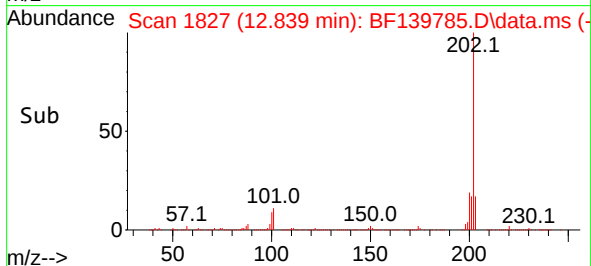
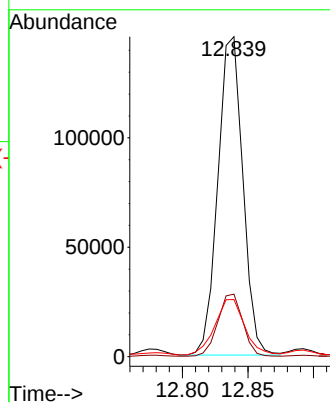
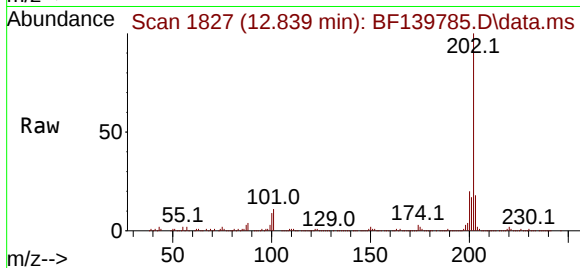
Tgt Ion:202 Resp: 19322

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.8	23.6
203	17.9	13.8	20.8

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 14.563 ng

RT: 12.975 min Scan# 1850

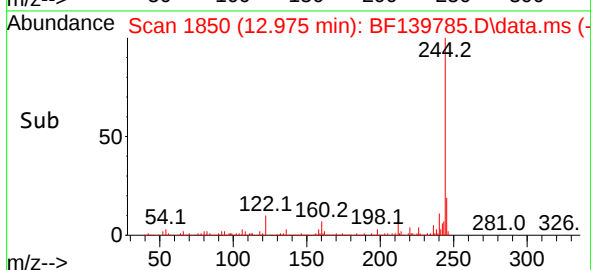
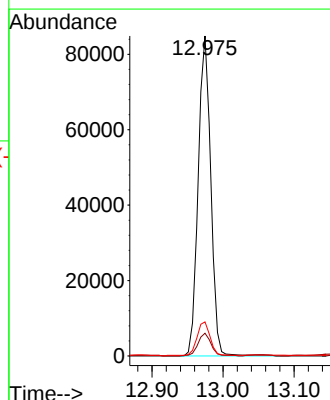
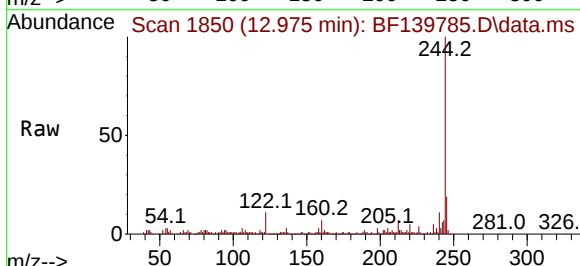
Delta R.T. -0.005 min

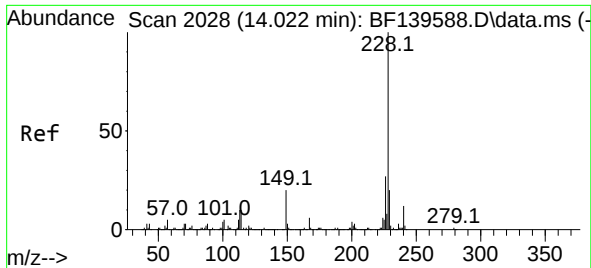
Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Tgt Ion:244 Resp: 104849

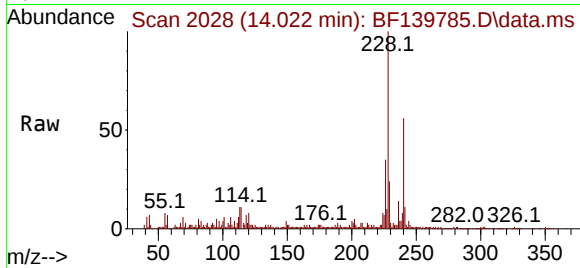
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	10.7	8.6	12.8





#81
Benzo(a)anthracene
Concen: 8.933 ng m
RT: 14.022 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

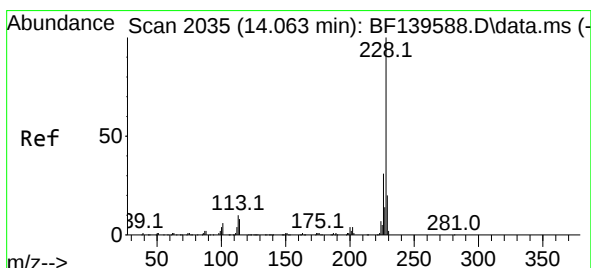
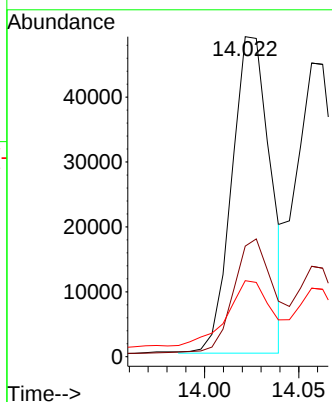
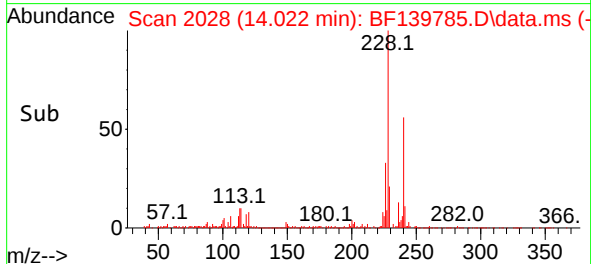
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5



Tgt Ion:228 Resp: 6938
Ion Ratio Lower Upper
228 100
226 34.5 21.8 32.8
229 23.7 15.8 23.8

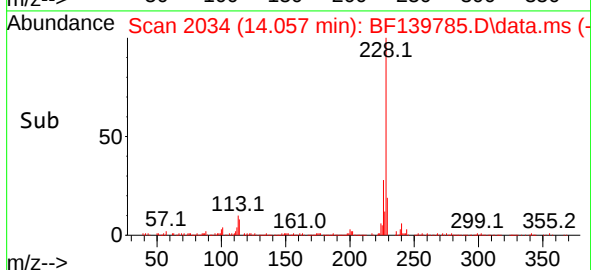
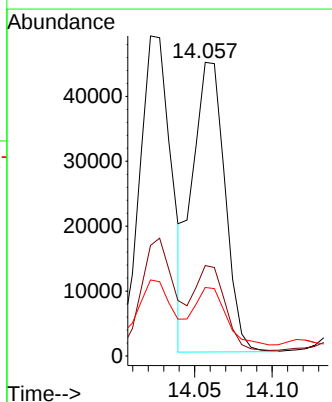
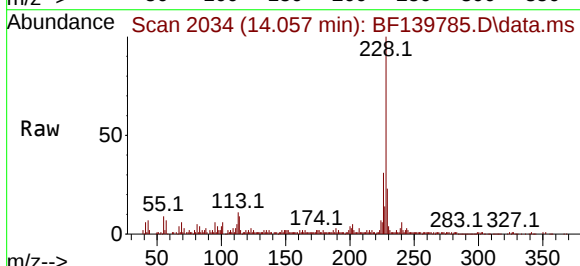
Manual Integrations
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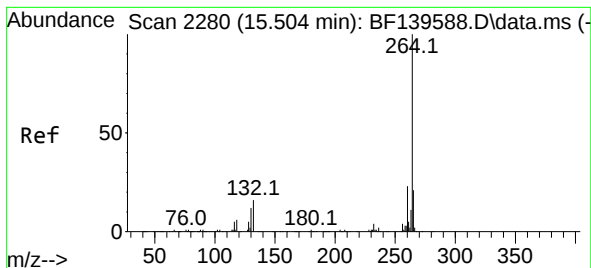
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 9.195 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:228 Resp: 65292
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 23.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

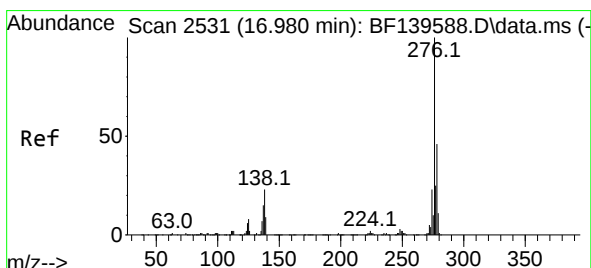
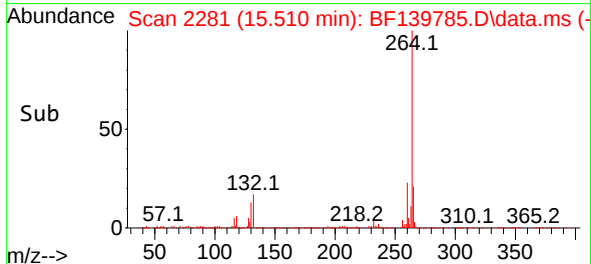
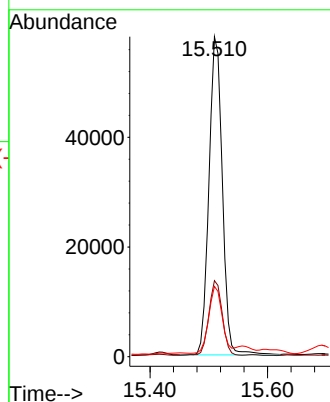
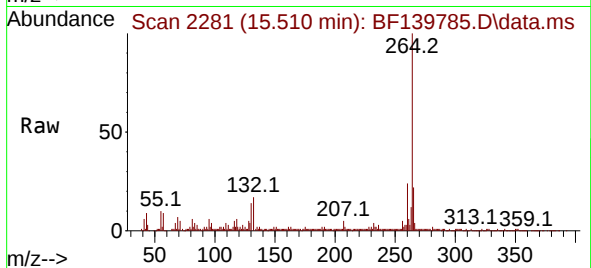
Tgt Ion:264 Resp: 9177

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.0	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: 3.961 ng

RT: 16.992 min Scan# 2533

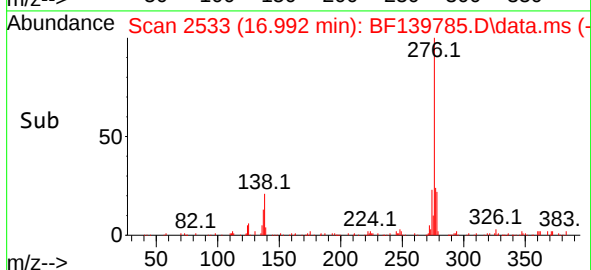
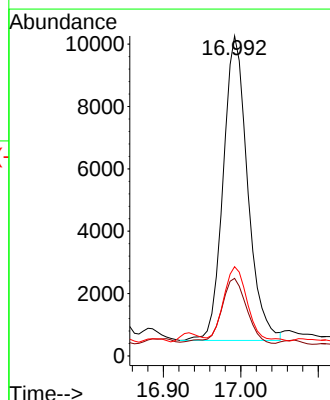
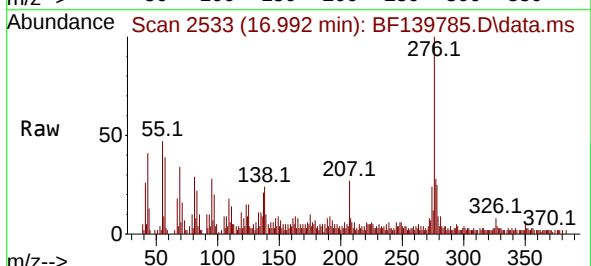
Delta R.T. 0.012 min

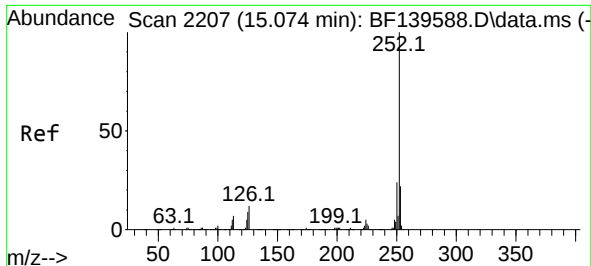
Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Tgt Ion:276 Resp: 21395

Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.4	29.0
277	23.6	20.2	30.2





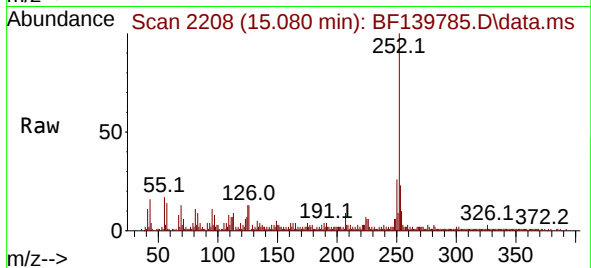
#88
Benzo(b)fluoranthene
Concen: 9.114 ng m
RT: 15.080 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

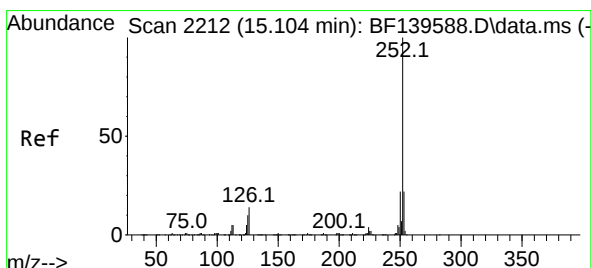
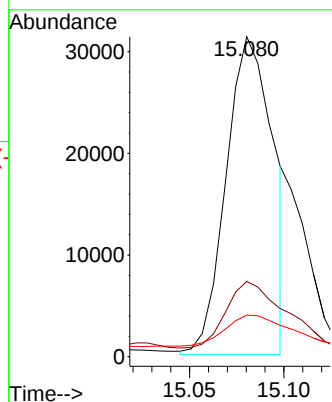
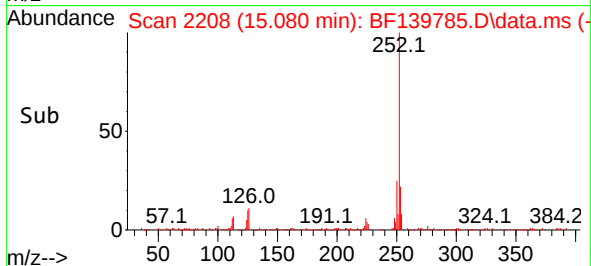


Tgt Ion:252 Resp: 5408
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 13.0 7.4 11.0

Manual Integrations

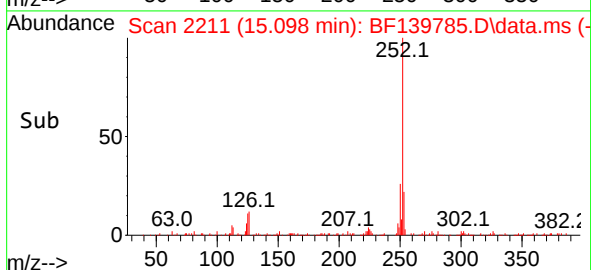
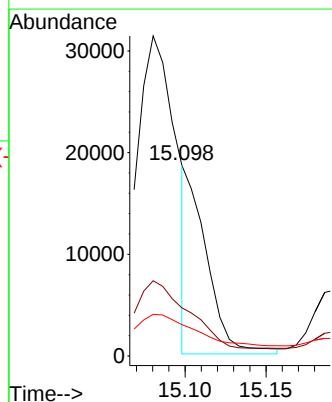
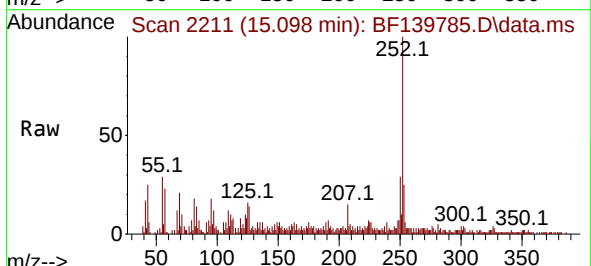
APPROVED

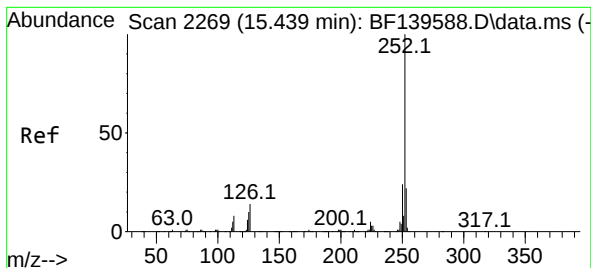
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#89
Benzo(k)fluoranthene
Concen: 3.165 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:252 Resp: 15931
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 16.5 7.6 11.4





#90

Benzo(a)pyrene

Concen: 8.584 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

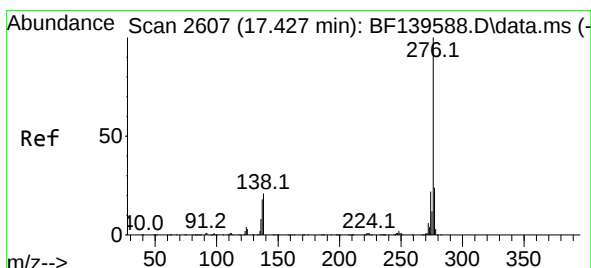
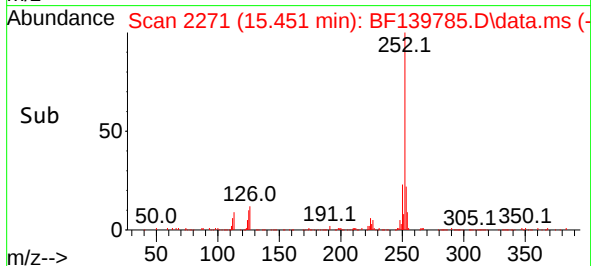
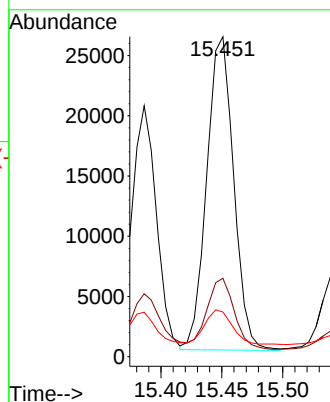
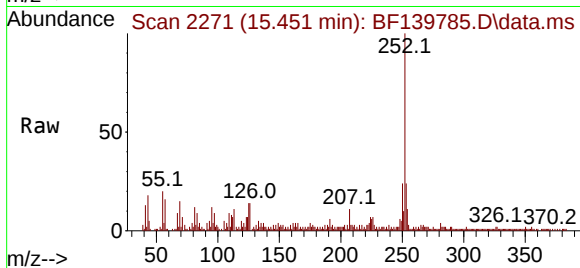
SB-02-2.0-2.5

Tgt Ion:	252	Resp:	4016
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.3	25.9
125	14.0	8.3	12.5

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 5.378 ng

RT: 17.445 min Scan# 2610

Delta R.T. 0.018 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Tgt Ion:	276	Resp:	24162
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.0	28.6
138	24.8	17.0	25.6

