

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
 Data File : BF139162.D
 Acq On : 26 Aug 2024 11:21
 Operator : RC/JU
 Sample : P3641-03DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-908-K1-0-0.5-081524DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
 Supervised By :mohammad ahmed 08/28/2024

Quant Time: Aug 26 11:52:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	86976	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	322158	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	175843	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	273548	20.000	ng	0.00
76) Chrysene-d12	14.057	240	164330	20.000	ng	0.00
86) Perylene-d12	15.539	264	152045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	91343	16.158	ng	0.00
7) Phenol-d6	6.510	99	117987	16.152	ng	-0.01
23) Nitrobenzene-d5	7.451	82	75586	13.672	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	23223	14.588	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	139212	12.561	ng	0.00
79) Terphenyl-d14	13.004	244	104353	10.537	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.863	122	6814m	10.161	ng	
71) Phenanthrene	11.445	178	195704	14.076	ng	99
72) Anthracene	11.492	178	30424	2.237	ng	98
75) Fluoranthene	12.633	202	325152	21.910	ng	99
78) Pyrene	12.863	202	246529	17.977	ng	99
81) Benzo(a)anthracene	14.045	228	106837	9.890	ng	98
83) Chrysene	14.080	228	112190	11.458	ng	99
87) Indeno(1,2,3-cd)pyrene	17.015	276	50143	5.635	ng	99
88) Benzo(b)fluoranthene	15.104	252	162872m	16.431	ng	
89) Benzo(k)fluoranthene	15.121	252	47954m	5.809	ng	
90) Benzo(a)pyrene	15.474	252	86963	11.103	ng	98
92) Benzo(g,h,i)perylene	17.462	276	48970	8.321	ng	99

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

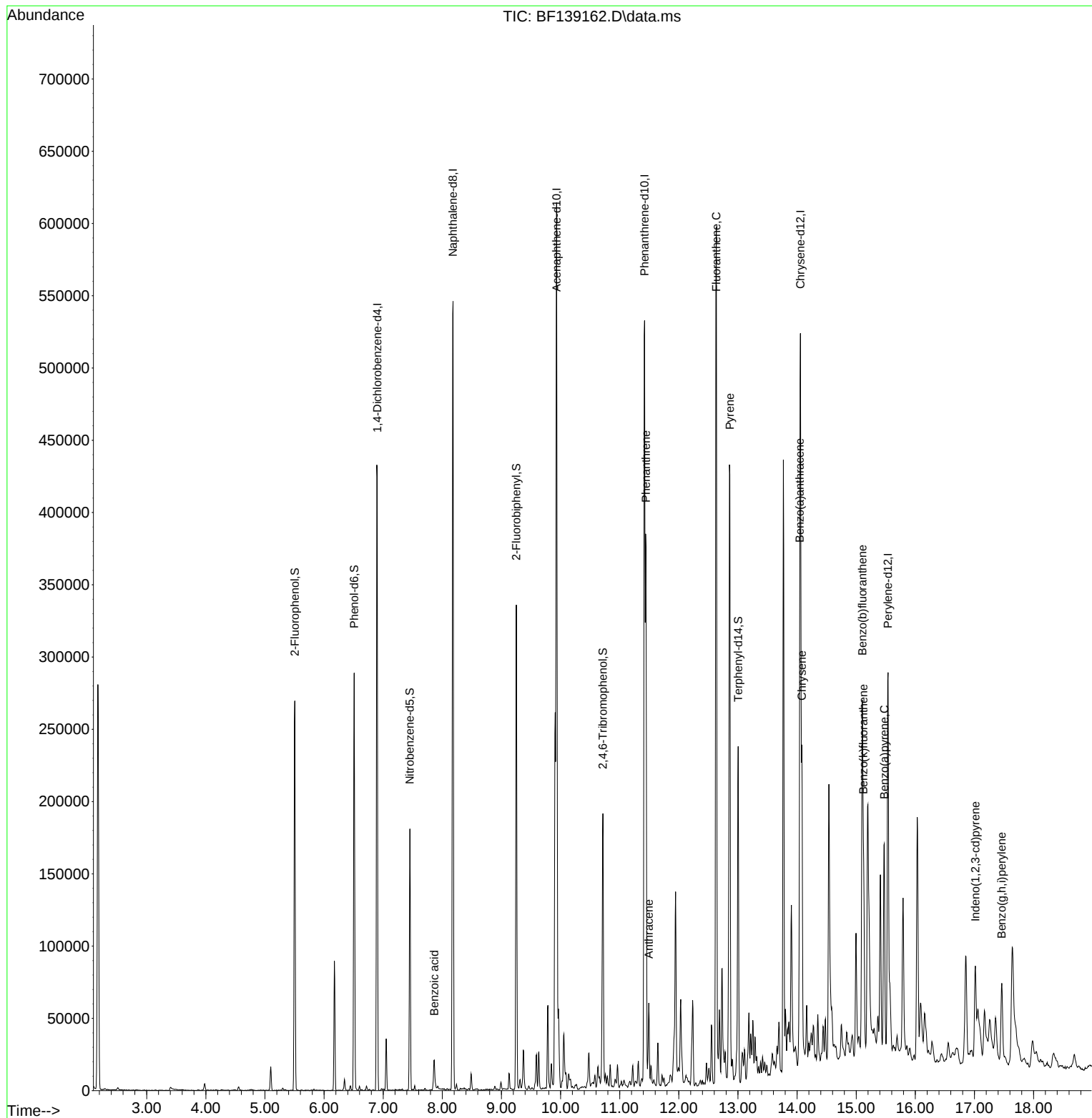
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139162.D
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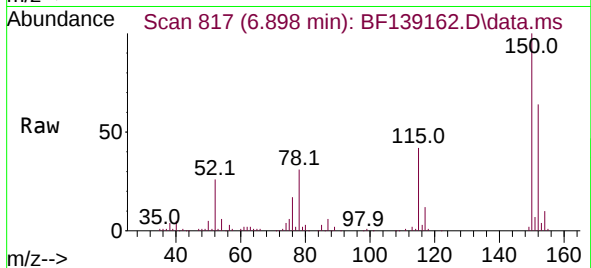
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

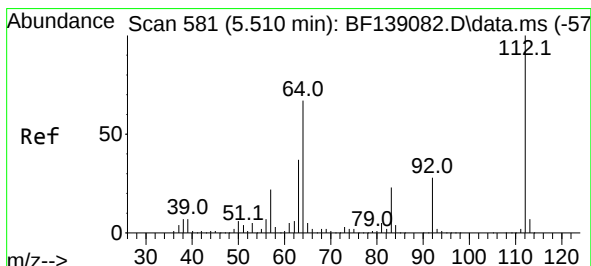
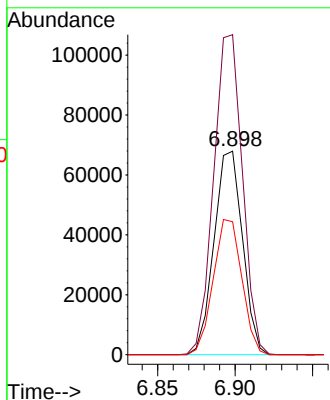
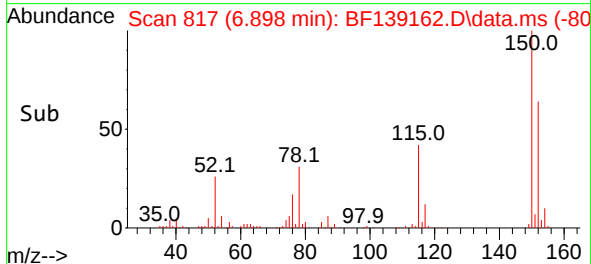
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



Tgt Ion:152 Resp: 86970
Ion Ratio Lower Upper
152 100
150 157.2 125.1 187.7
115 65.3 51.8 77.6

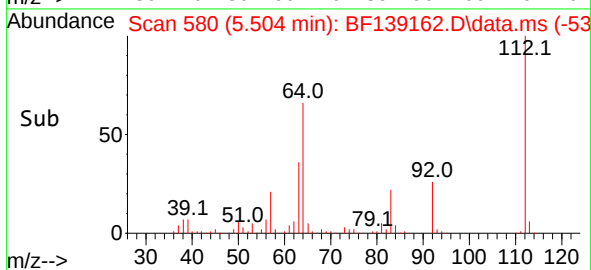
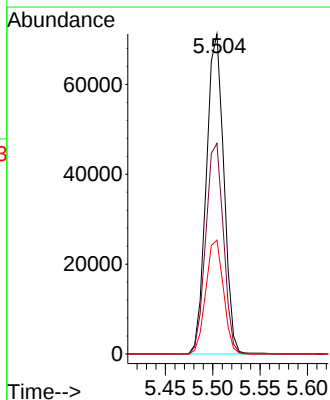
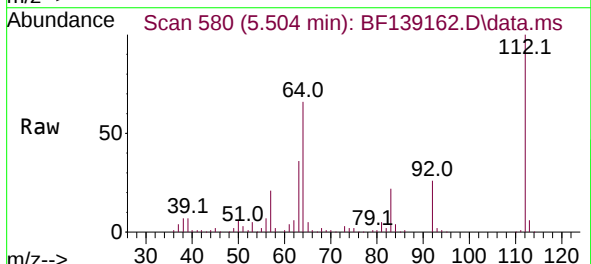
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#5
2-Fluorophenol
Concen: 16.158 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

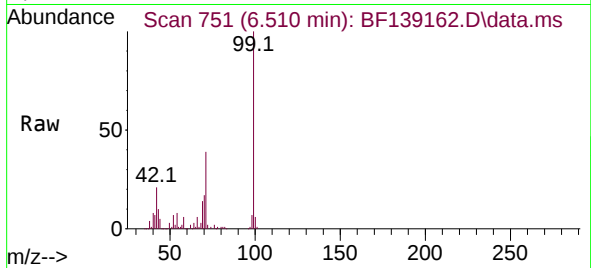
Tgt Ion:112 Resp: 91343
Ion Ratio Lower Upper
112 100
64 65.8 53.8 80.6
63 35.6 29.4 44.2





#7
Phenol-d6
Concen: 16.152 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

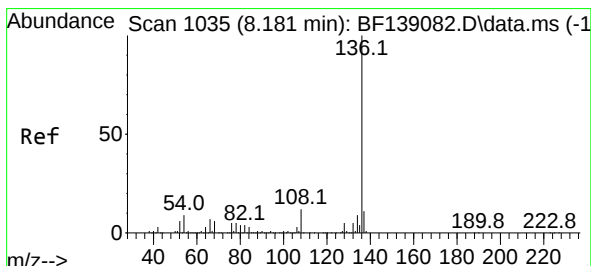
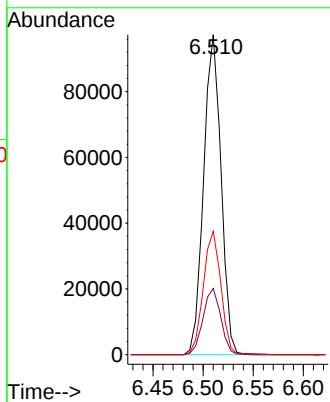
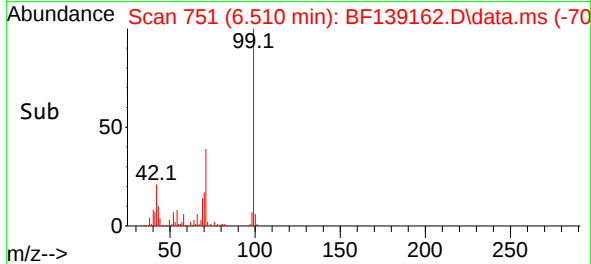
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



Tgt Ion: 99 Resp: 11798
Ion Ratio Lower Upper
99 100
42 20.7 17.4 26.2
71 38.5 31.2 46.8

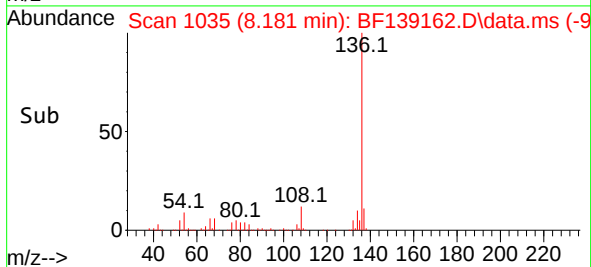
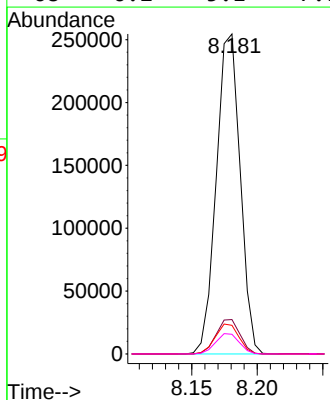
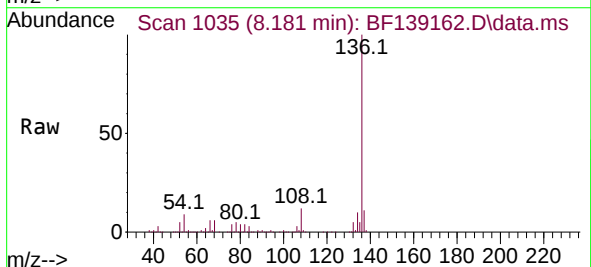
Manual Integrations
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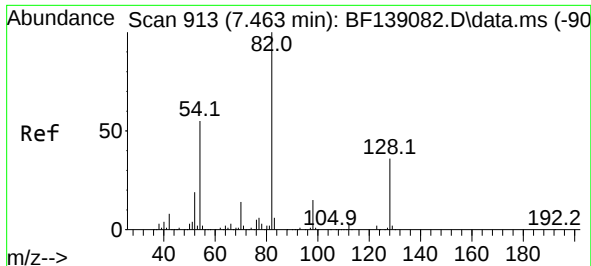
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:136 Resp: 322158
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.0 7.6 11.4
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 13.672 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

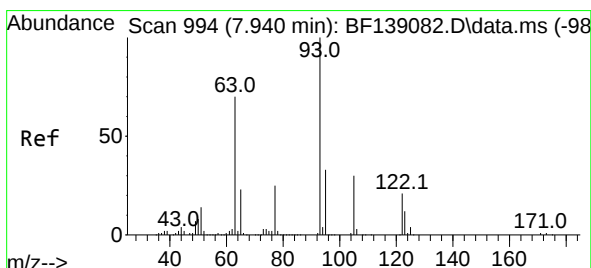
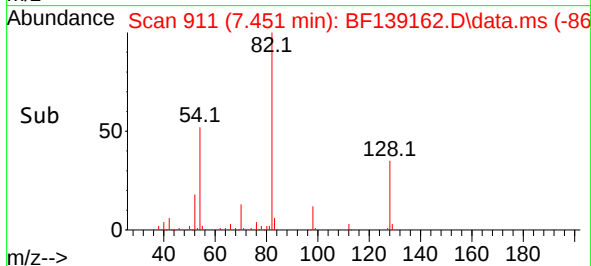
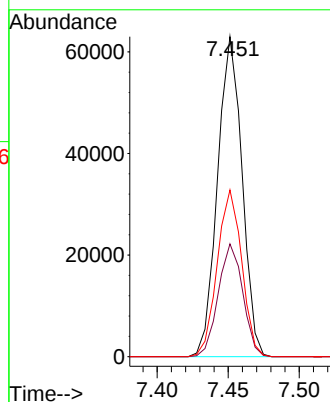
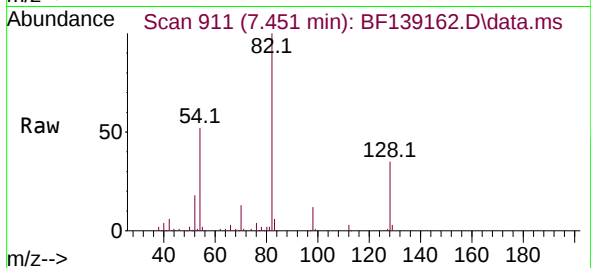
S-908-K1-0-0.5-081524DL

Tgt Ion: 82	Resp: 7558
Ion Ratio	Lower Upper
82	100
128	35.3 29.0 43.4
54	52.1 43.4 65.2

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#32

Benzoic acid

Concen: 10.161 ng m

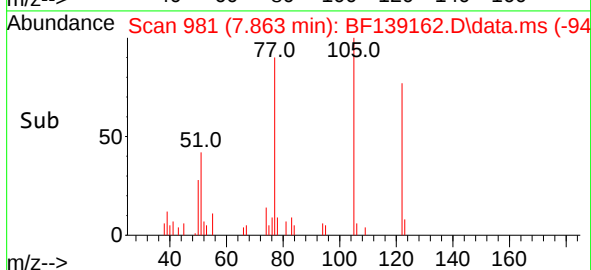
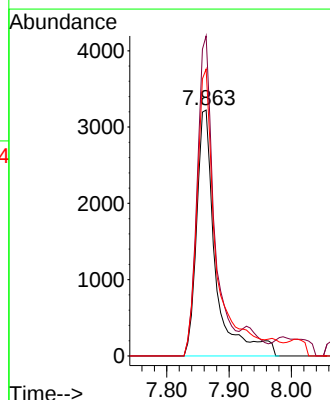
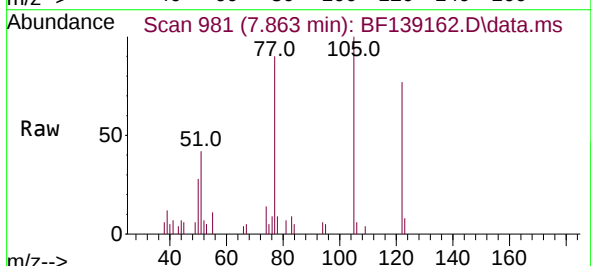
RT: 7.863 min Scan# 981

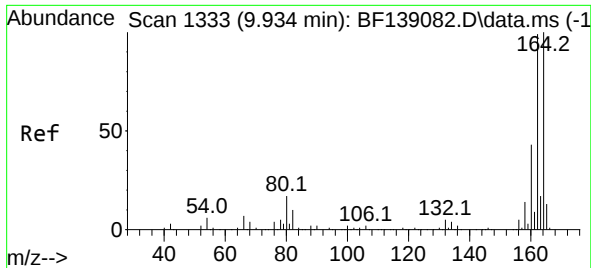
Delta R.T. -0.077 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

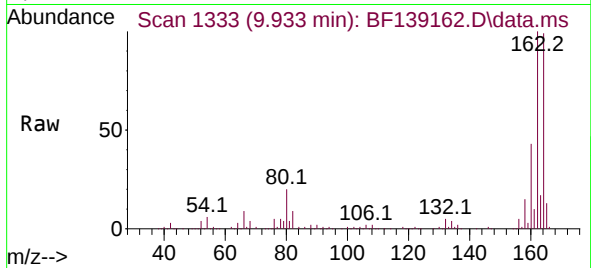
Tgt Ion:122	Resp: 6814
Ion Ratio	Lower Upper
122	100
105	130.1 119.6 159.6
77	116.6 97.6 137.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

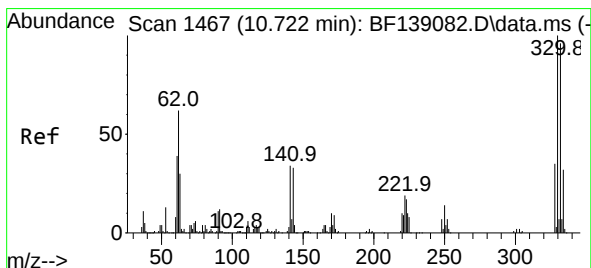
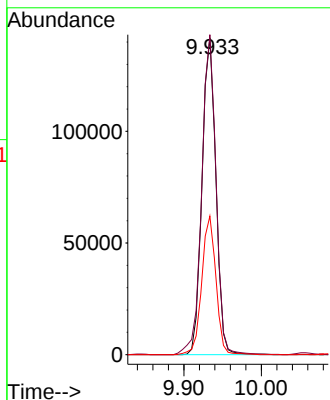
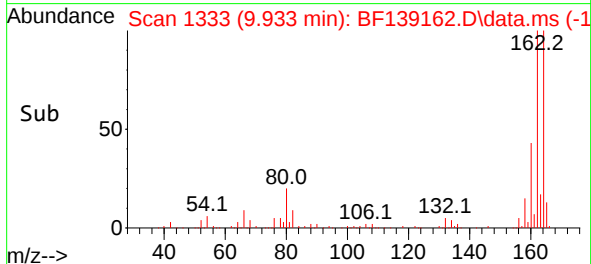
Instrument :
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ClientSampleId :
S-908-K1-0-0.5-081524DL



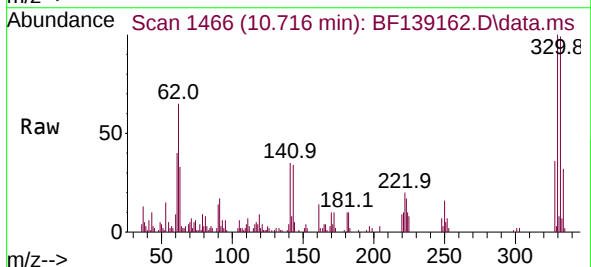
Tgt Ion:164 Resp: 17584
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 43.7 34.5 51.7

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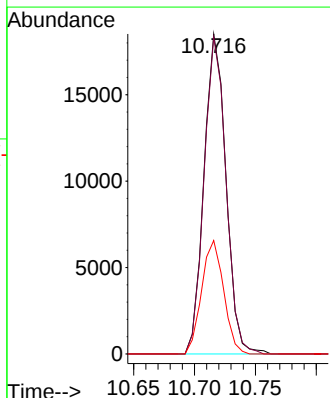
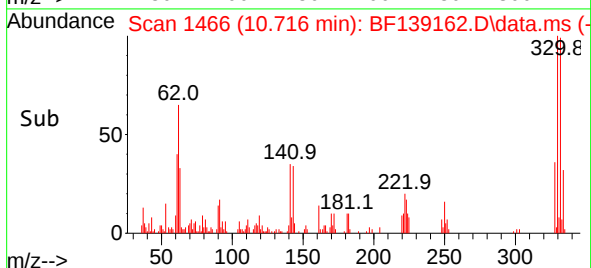
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

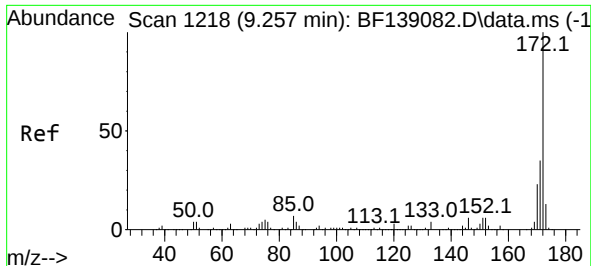


#42
2,4,6-Tribromophenol
Concen: 14.588 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21



Tgt Ion:330 Resp: 23223
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 35.5 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 12.561 ng

RT: 9.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

Tgt Ion:172 Resp: 13921

Ion Ratio Lower Upper

172 100

171 34.3 28.4 42.6

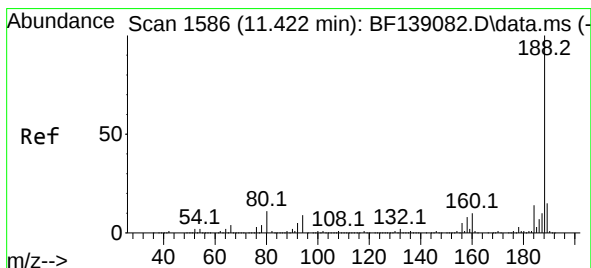
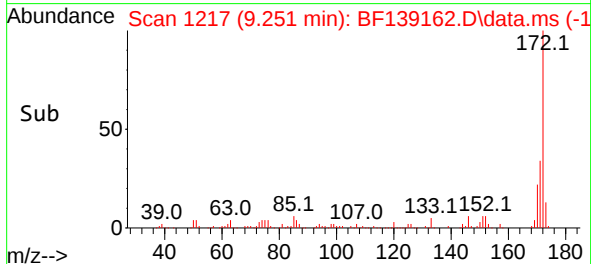
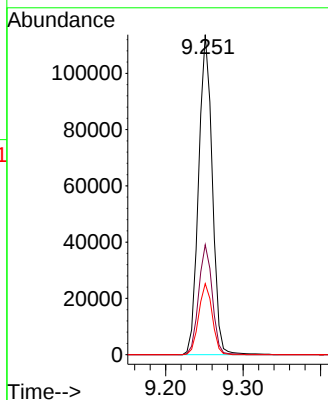
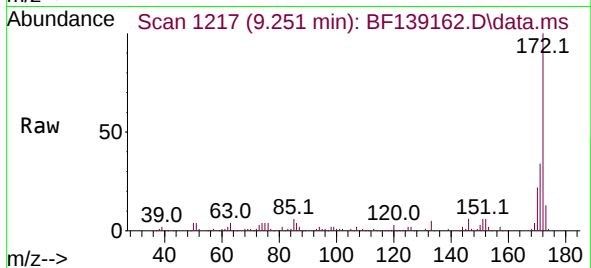
170 22.2 18.8 28.2

Manual Integrations

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Supervised By :mohammad ahmed 08/28/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

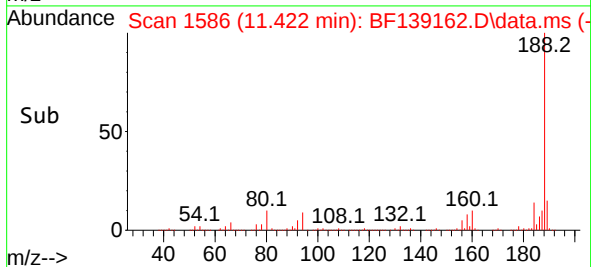
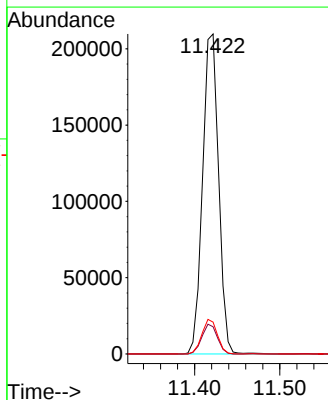
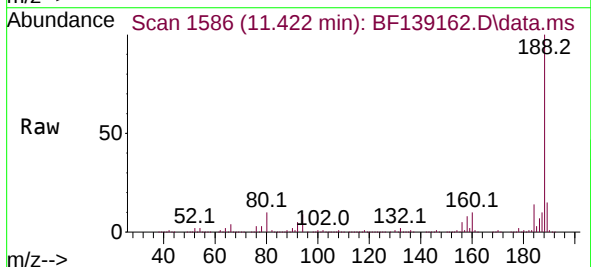
Tgt Ion:188 Resp: 273548

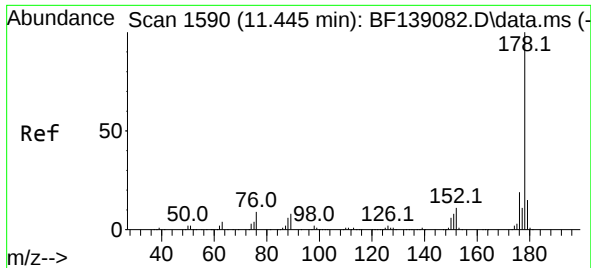
Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

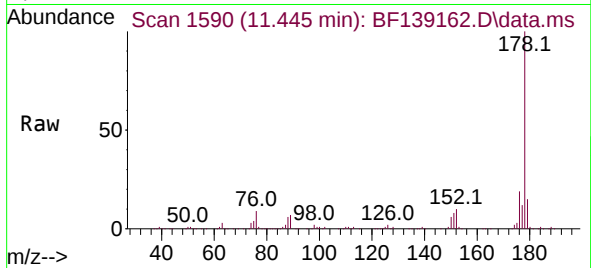
80 9.9 8.5 12.7





#71
Phenanthrene
Concen: 14.076 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

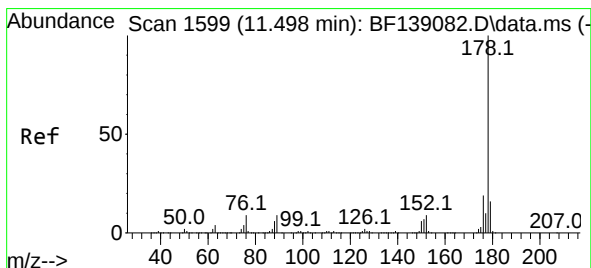
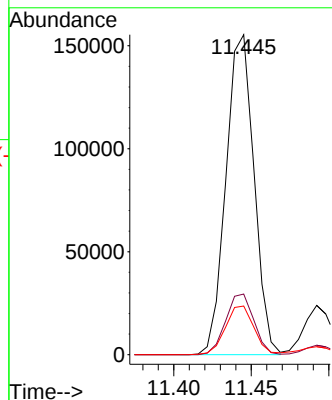
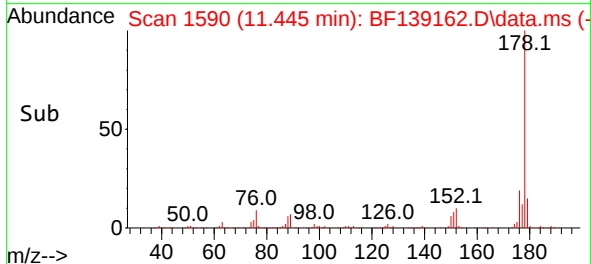
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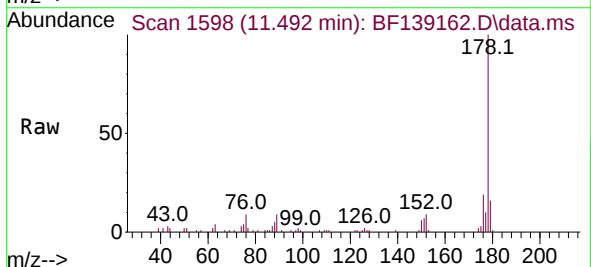
Tgt Ion:178 Resp: 195704
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.2 12.3 18.5

Manual Integrations
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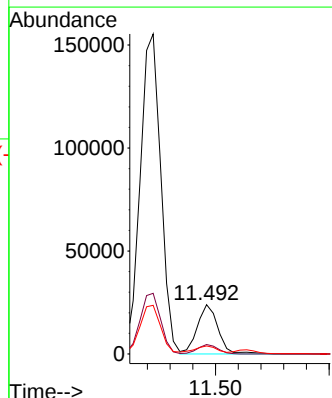
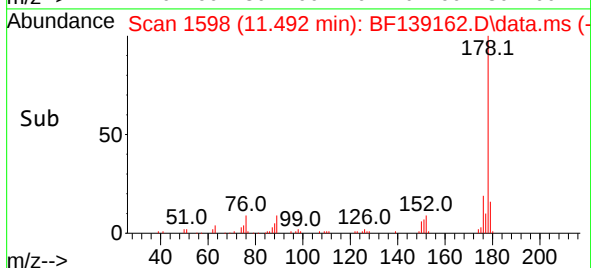
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

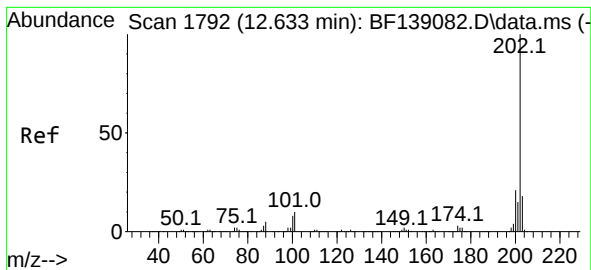


#72
Anthracene
Concen: 2.237 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21



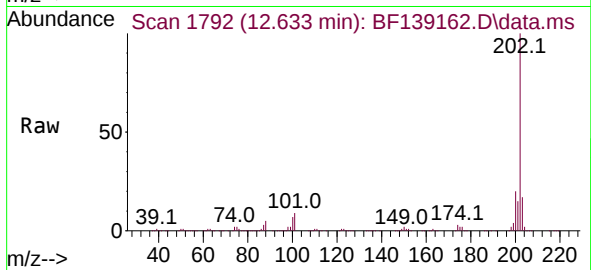
Tgt Ion:178 Resp: 30424
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 16.4 12.4 18.6





#75
Fluoranthene
Concen: 21.910 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

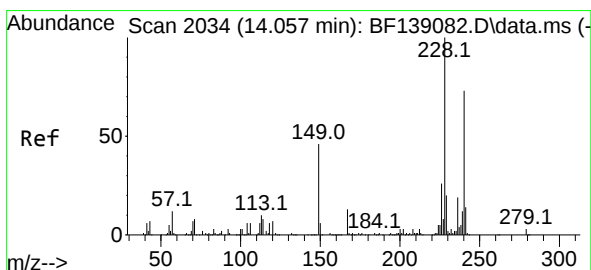
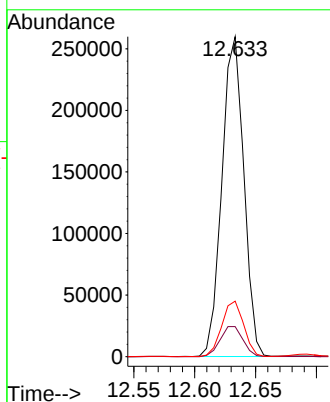
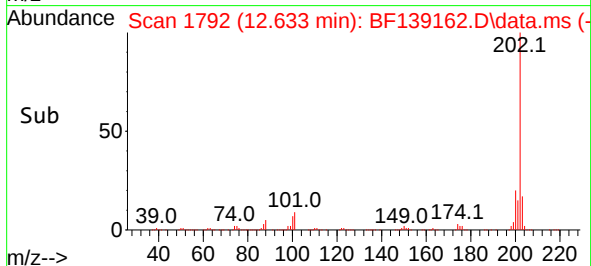
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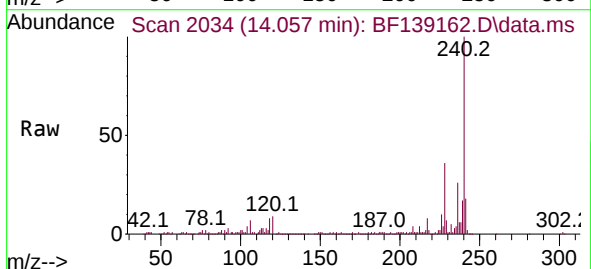
Tgt Ion:202 Resp: 32515
Ion Ratio Lower Upper
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101 9.4 0.0 30.2
203 17.3 0.0 37.6

Manual Integrations
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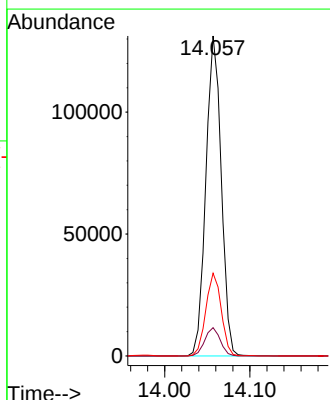
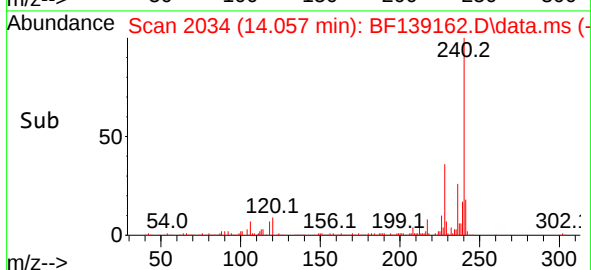
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

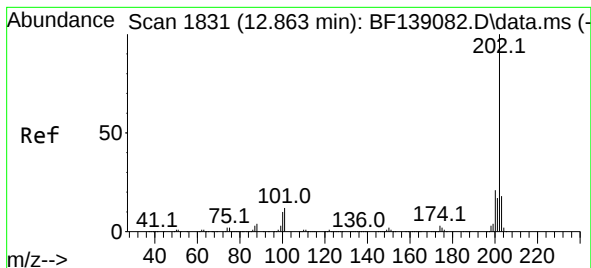


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21



Tgt Ion:240 Resp: 164330
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.6
236 25.9 20.9 31.3





#78

Pyrene

Concen: 17.977 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

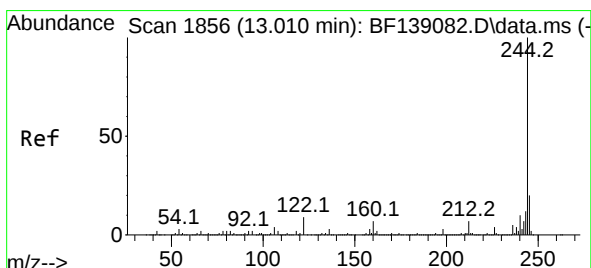
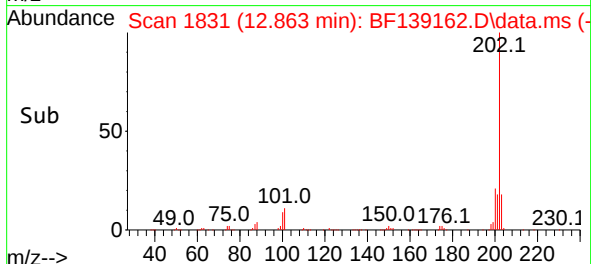
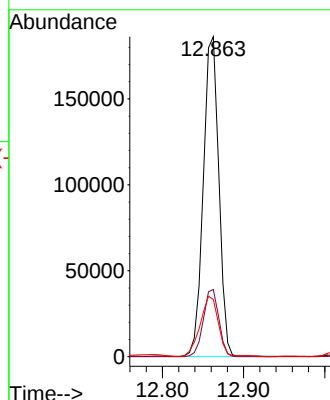
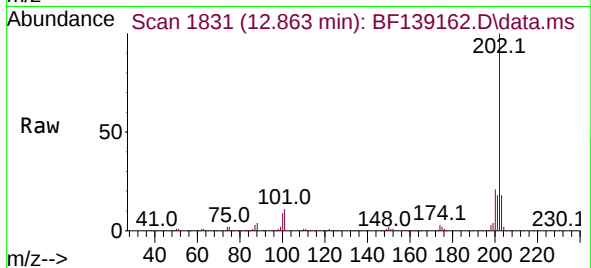
Tgt Ion:202 Resp: 246529

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.9	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#79

Terphenyl-d14

Concen: 10.537 ng

RT: 13.004 min Scan# 1855

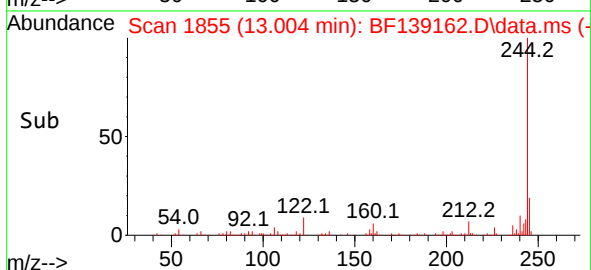
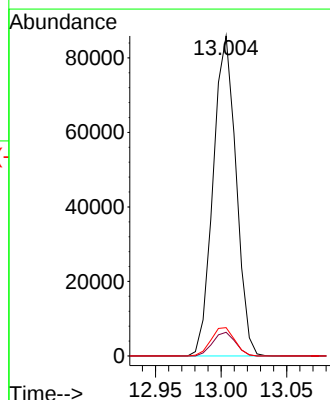
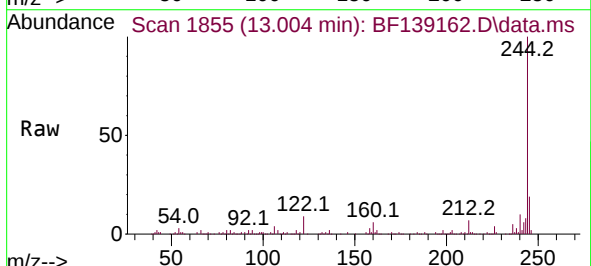
Delta R.T. -0.006 min

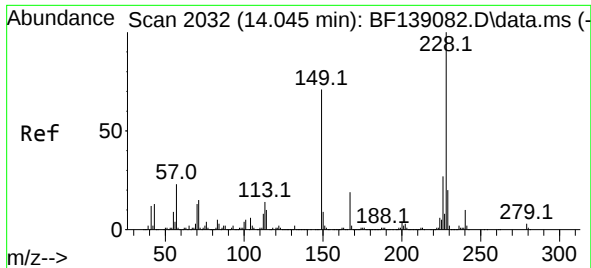
Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Tgt Ion:244 Resp: 104353

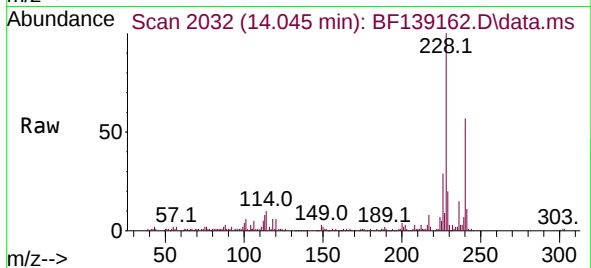
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.8	7.6	11.4





#81
Benzo(a)anthracene
Concen: 9.890 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

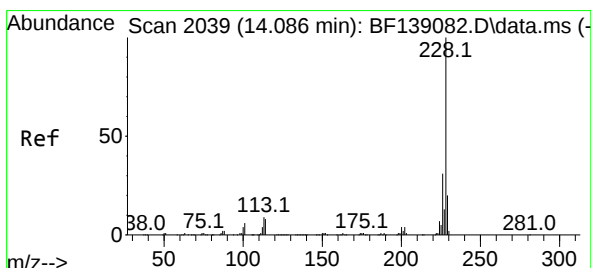
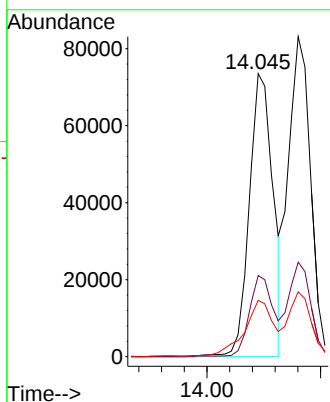
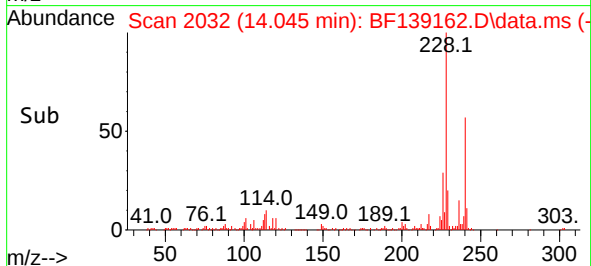
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



Tgt Ion:228 Resp: 10683
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 19.9 16.1 24.1

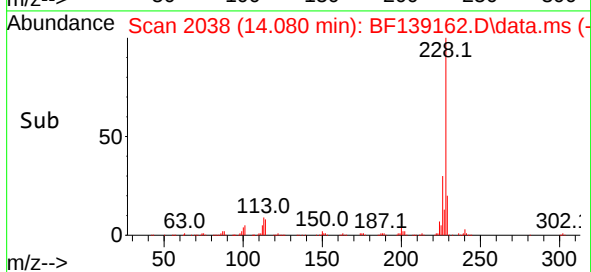
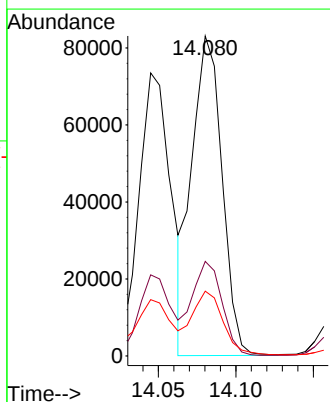
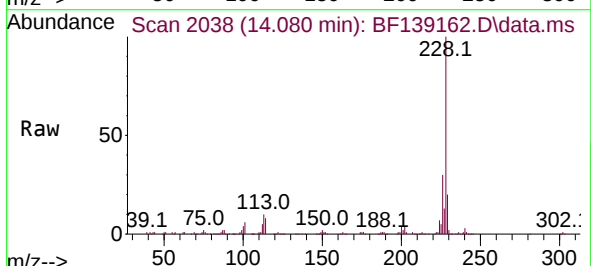
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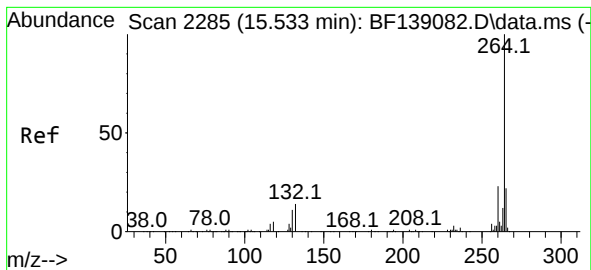
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#83
Chrysene
Concen: 11.458 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

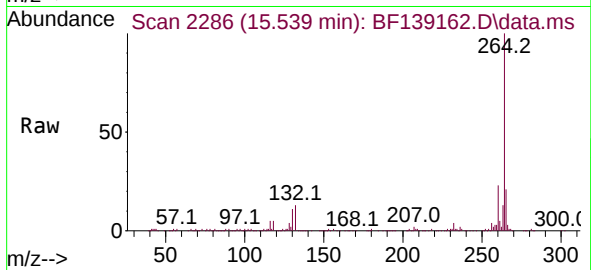
Tgt Ion:228 Resp: 112190
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 20.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

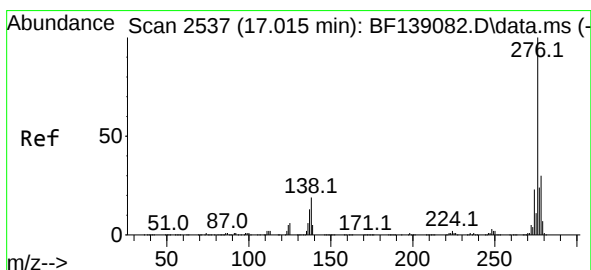
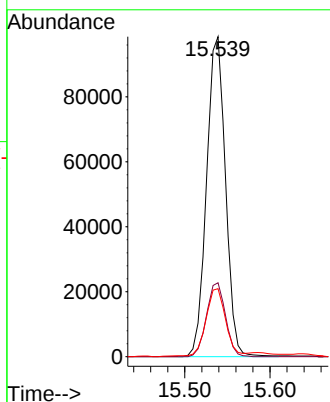
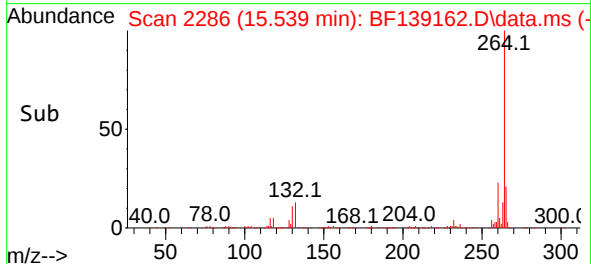
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



Tgt Ion:264 Resp: 15204
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.3 17.4 26.2

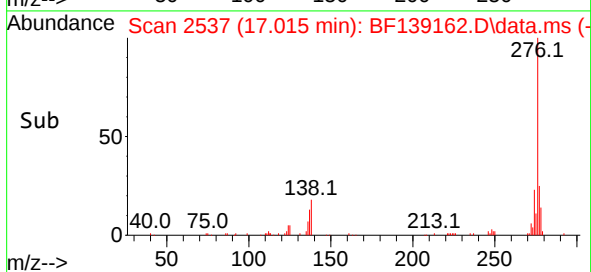
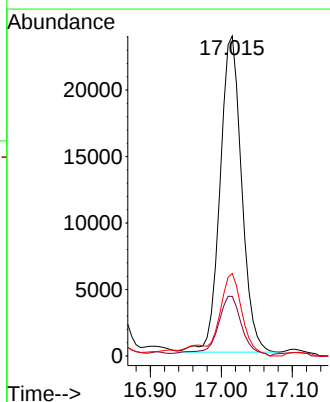
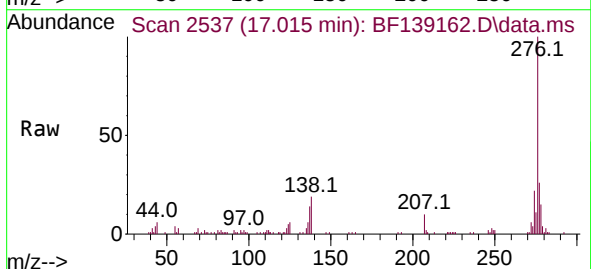
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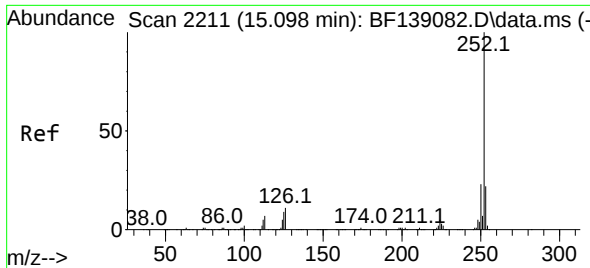
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.635 ng
RT: 17.015 min Scan# 2537
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

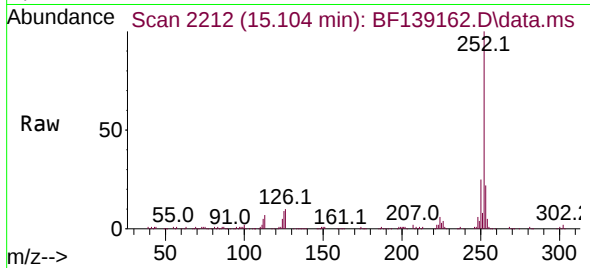
Tgt Ion:276 Resp: 50143
Ion Ratio Lower Upper
276 100
138 21.8 17.3 25.9
277 26.2 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 16.431 ng m
RT: 15.104 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

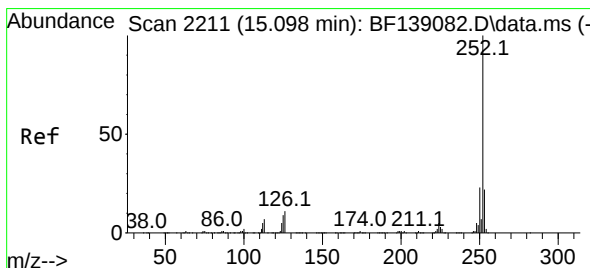
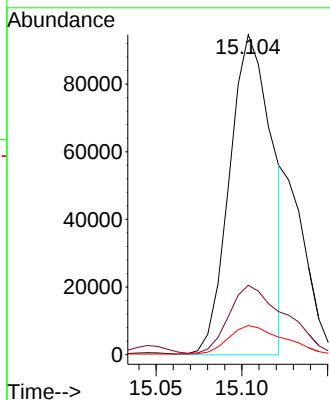
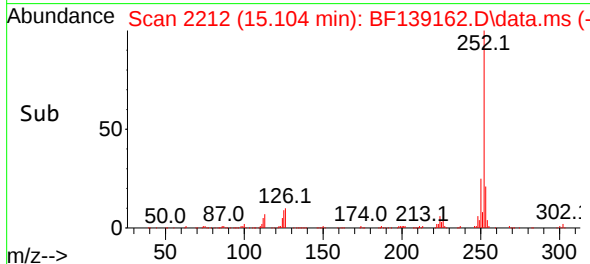
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



Tgt Ion:252 Resp: 162872
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 9.1 7.0 10.6

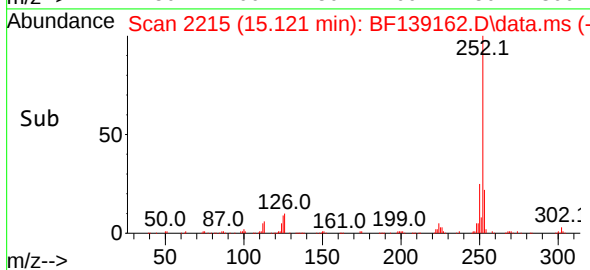
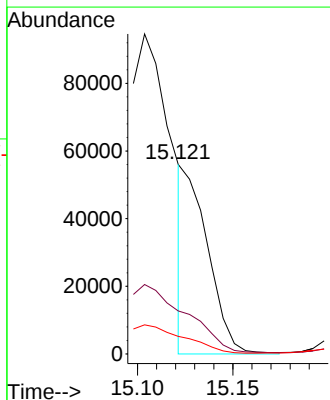
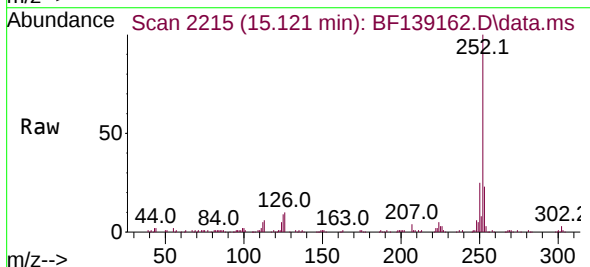
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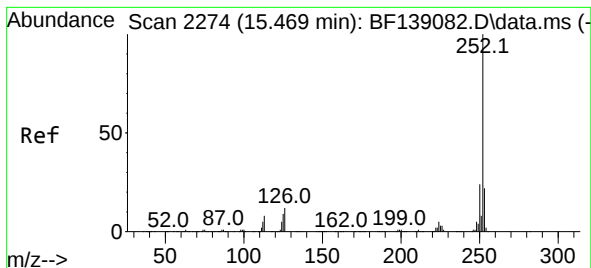
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#89
Benzo(k)fluoranthene
Concen: 5.809 ng m
RT: 15.121 min Scan# 2215
Delta R.T. -0.012 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:252 Resp: 47954
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.3 7.0 10.6





#90

Benzo(a)pyrene

Concen: 11.103 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

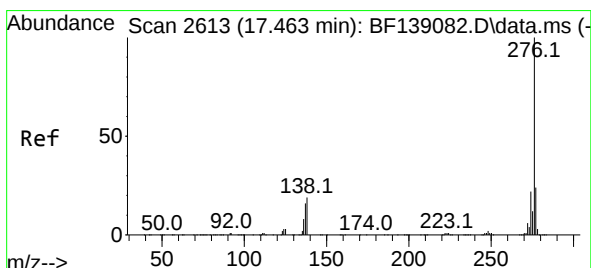
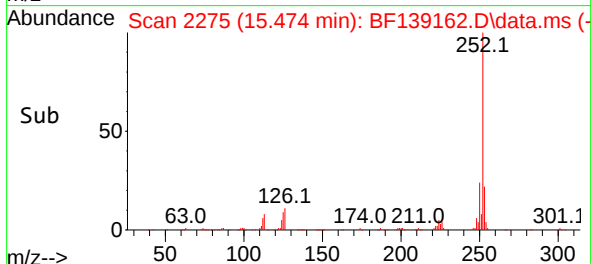
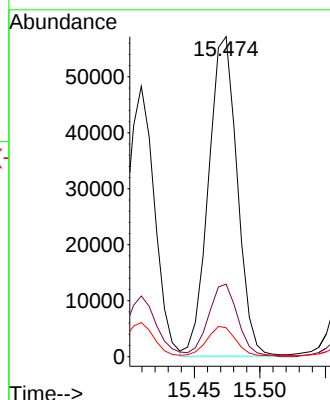
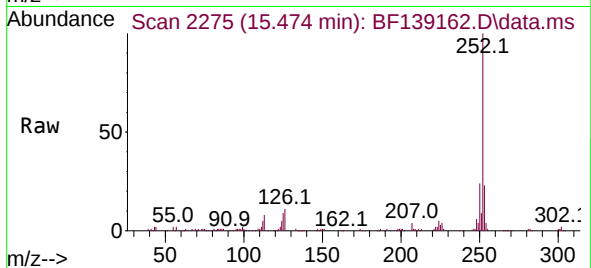
ClientSampleId :

S-908-K1-0-0.5-081524DL

Tgt Ion:	252	Resp:	8696
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	9.1	7.4	11.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#92

Benzo(g,h,i)perylene

Concen: 8.321 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Tgt Ion:	276	Resp:	48970
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	19.1	15.0	22.4

