

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139108.D
 Acq On : 21 Aug 2024 18:20
 Operator : RC/JU
 Sample : P3663-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0-0.5-081624

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

Quant Time: Aug 22 00:56:50 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	84839	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	298493	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	138496	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	188123	20.000	ng	0.00
76) Chrysene-d12	14.057	240	170516	20.000	ng	0.00
86) Perylene-d12	15.533	264	130898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	493442	89.484	ng	0.00
7) Phenol-d6	6.516	99	631002	88.559	ng	0.00
23) Nitrobenzene-d5	7.457	82	386934	75.535	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	92099	73.457	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	506607	58.037	ng	0.00
79) Terphenyl-d14	13.004	244	345880	33.658	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	220310	23.040	ng	99
72) Anthracene	11.492	178	26213	2.803	ng	99
75) Fluoranthene	12.633	202	453663	44.452	ng	99
78) Pyrene	12.857	202	362062	25.444	ng	98
81) Benzo(a)anthracene	14.045	228	185194	16.522	ng	100
83) Chrysene	14.080	228	191242	18.823	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	61567	8.037	ng	96
88) Benzo(b)fluoranthene	15.098	252	202964m	23.784	ng	
89) Benzo(k)fluoranthene	15.116	252	68501m	9.638	ng	
90) Benzo(a)pyrene	15.468	252	114434	16.971	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	14710	2.339	ng	96
92) Benzo(g,h,i)perylene	17.451	276	59538	10.599	ng	98

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

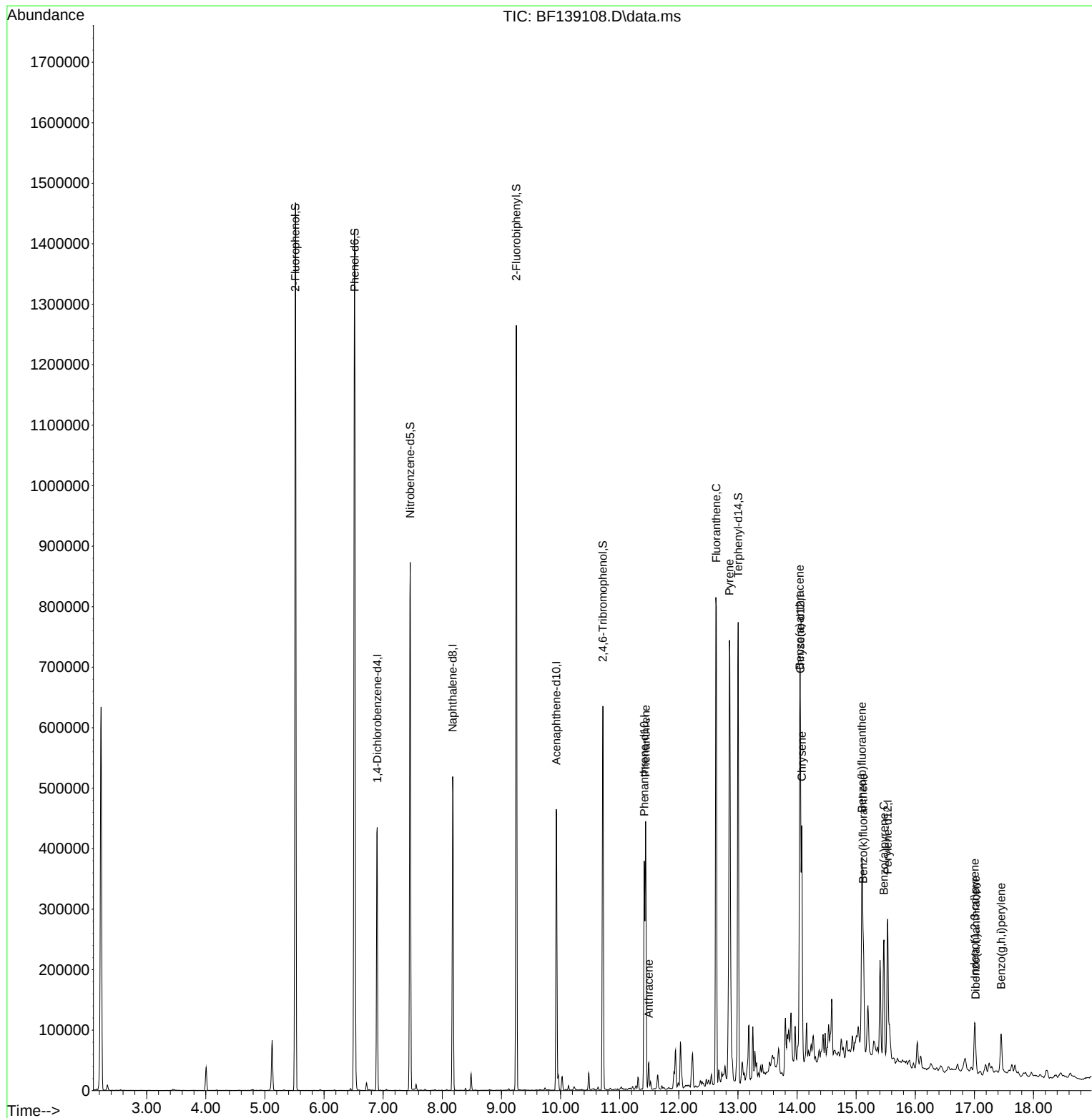
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
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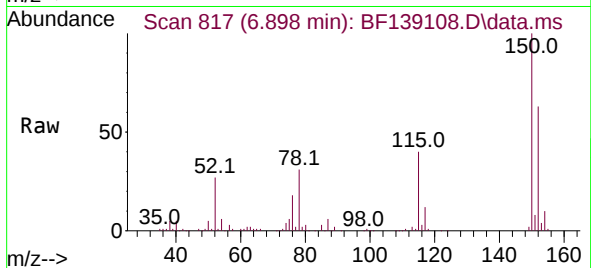
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

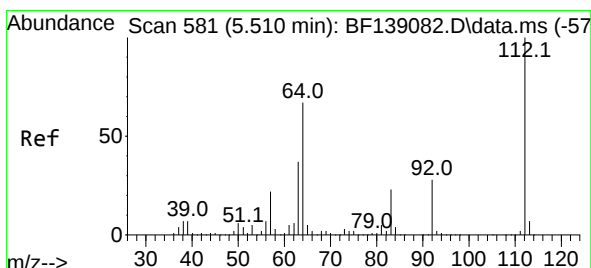
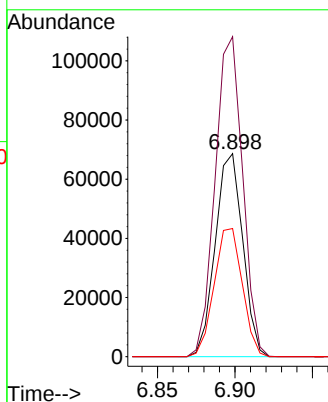
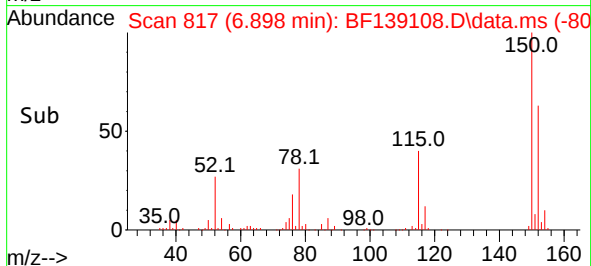
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624



Tgt Ion:152 Resp: 84839
Ion Ratio Lower Upper
152 100
150 157.6 125.1 187.7
115 63.1 51.8 77.6

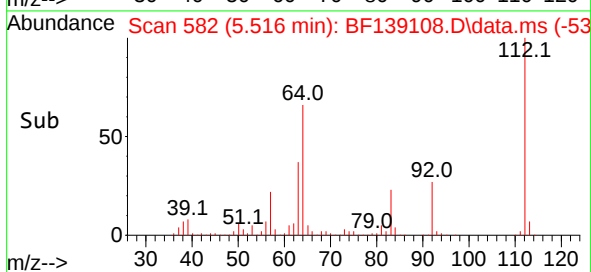
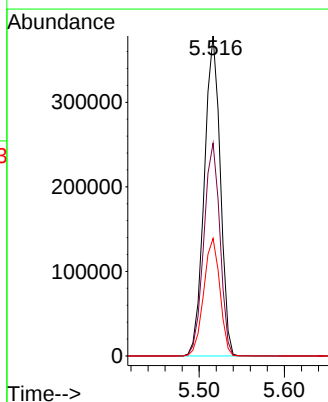
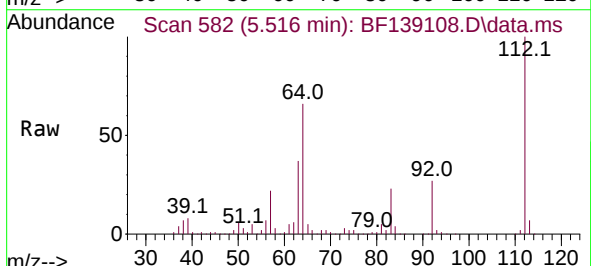
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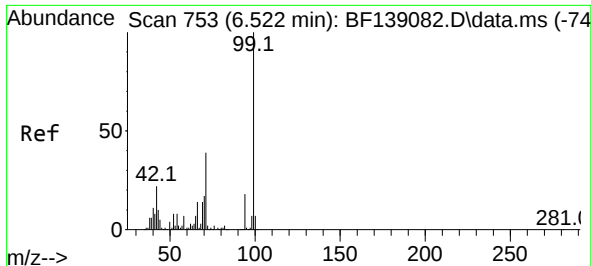
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#5
2-Fluorophenol
Concen: 89.484 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

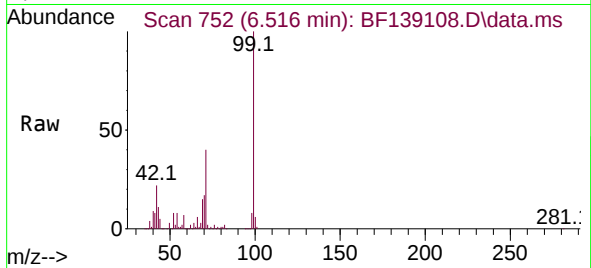
Tgt Ion:112 Resp: 493442
Ion Ratio Lower Upper
112 100
64 66.5 53.8 80.6
63 36.7 29.4 44.2





#7
Phenol-d6
Concen: 88.559 ng
RT: 6.516 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

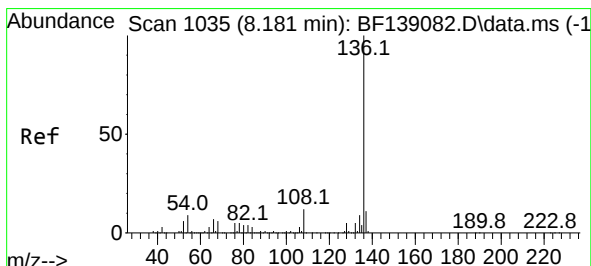
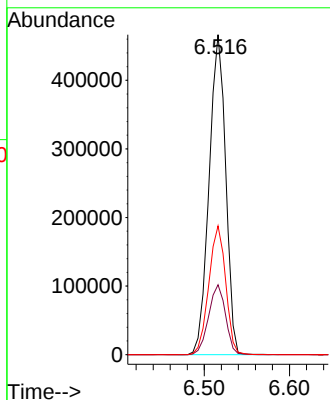
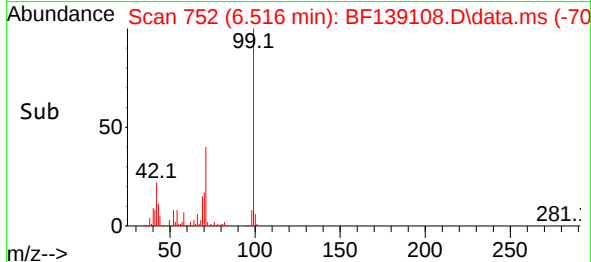
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624



Tgt Ion: 99 Resp: 63100
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.2 31.2 46.8

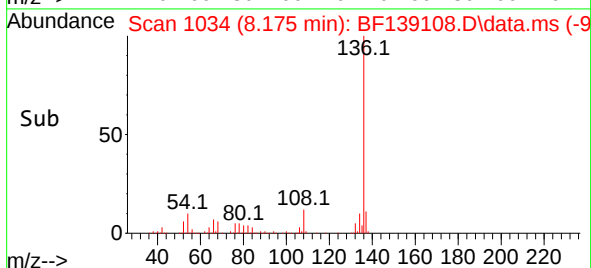
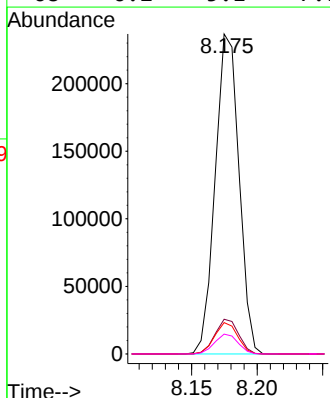
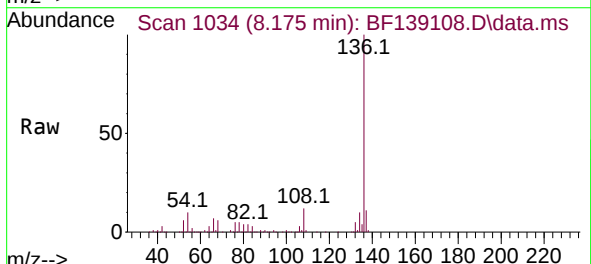
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:136 Resp: 298493
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.8 7.6 11.4
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 75.535 ng

RT: 7.457 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139108.D

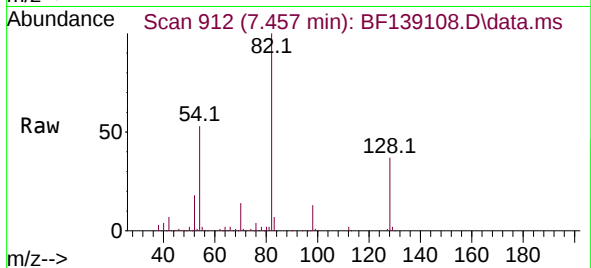
Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624



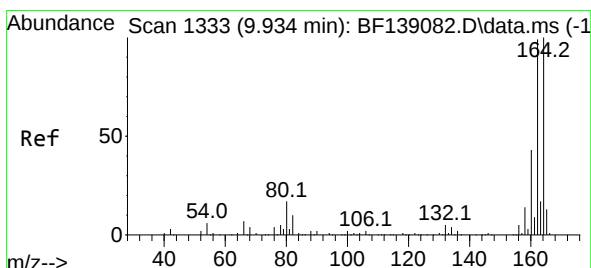
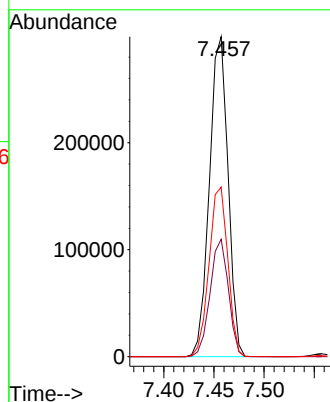
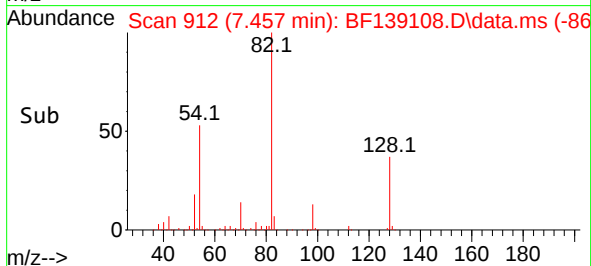
Tgt Ion: 82 Resp: 386934

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	53.0	43.4	65.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

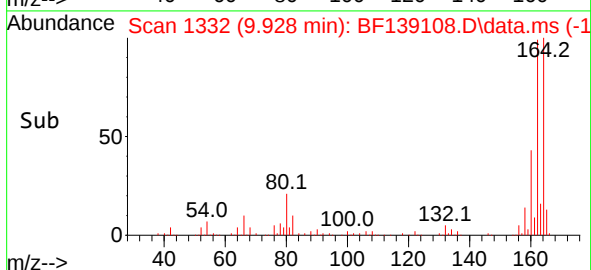
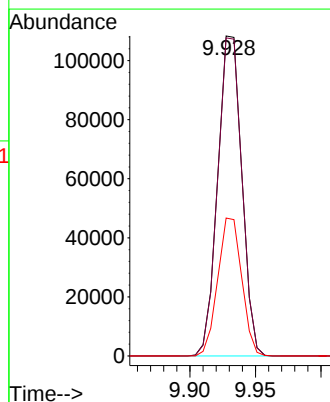
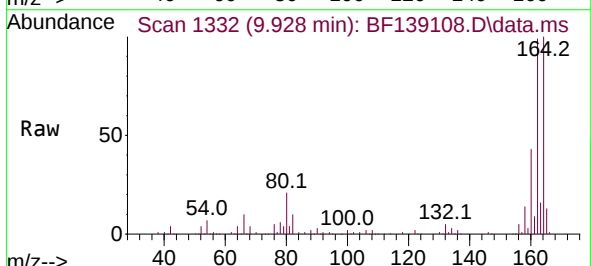
Delta R.T. -0.006 min

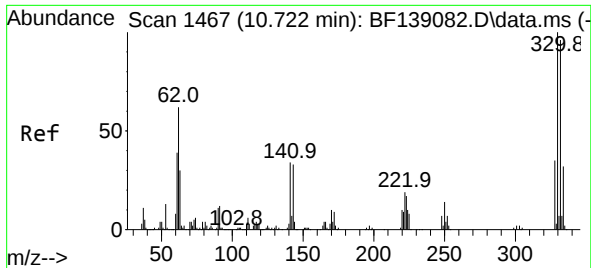
Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Tgt Ion:164 Resp: 138496

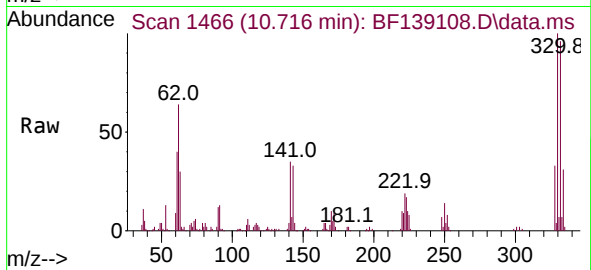
Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	43.1	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 73.457 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

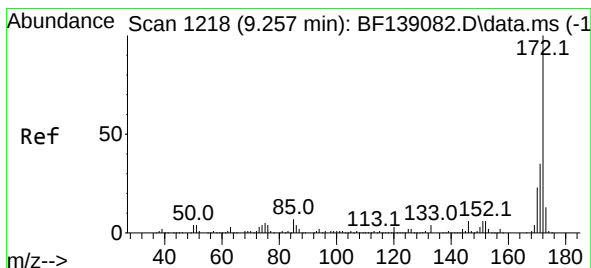
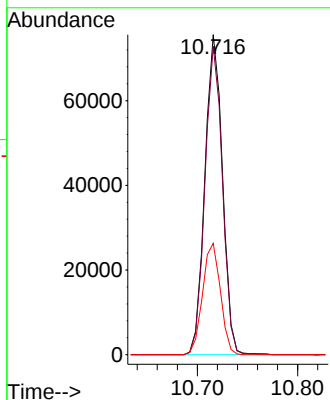
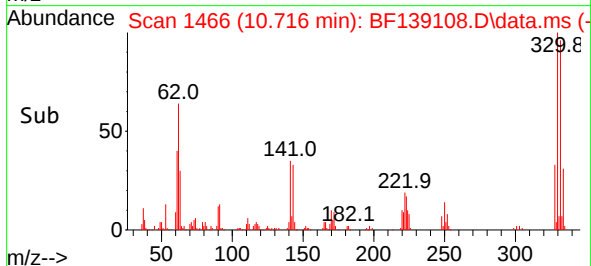
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624



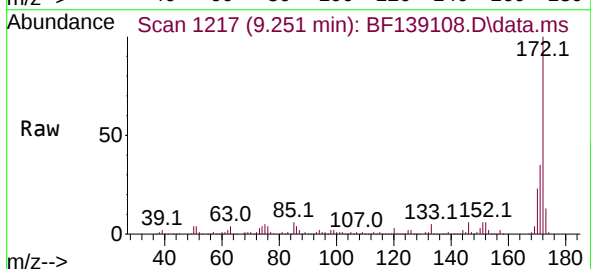
Tgt Ion:330 Resp: 92099
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 35.3 27.5 41.3

Manual Integrations
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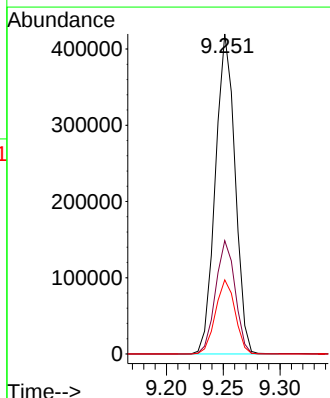
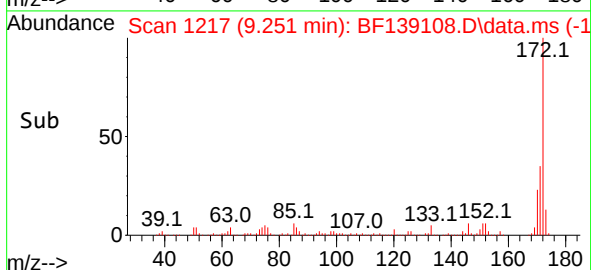
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

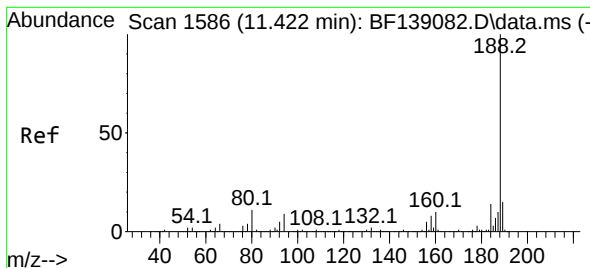


#45
2-Fluorobiphenyl
Concen: 58.037 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20



Tgt Ion:172 Resp: 506607
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.1 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

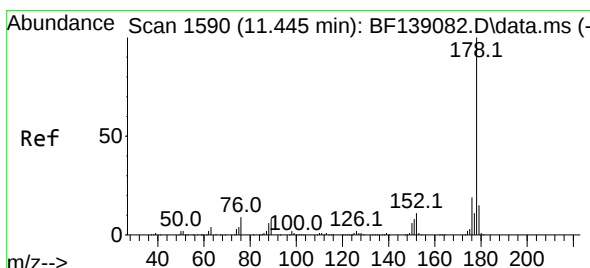
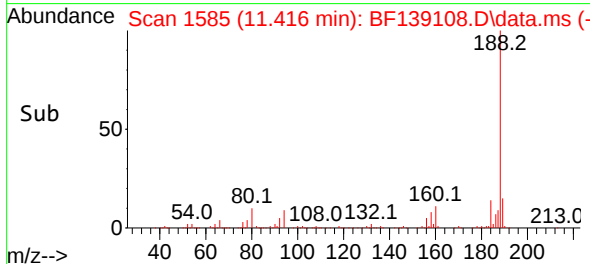
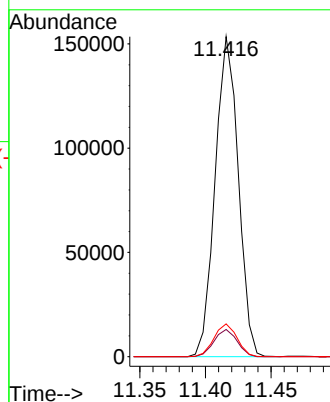
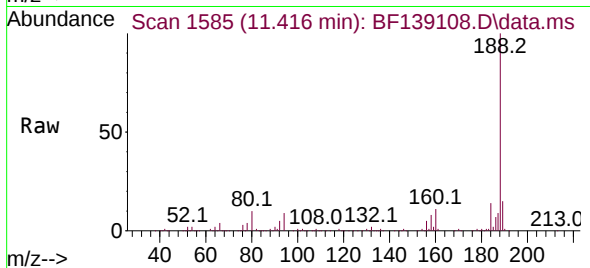
915-J-SD-0-0.5-081624

Tgt Ion:188	Resp: 18812
Ion Ratio	Lower Upper
188 100	
94 8.5	7.2 10.8
80 10.3	8.5 12.7

Manual Integrations

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#71

Phenanthrene

Concen: 23.040 ng

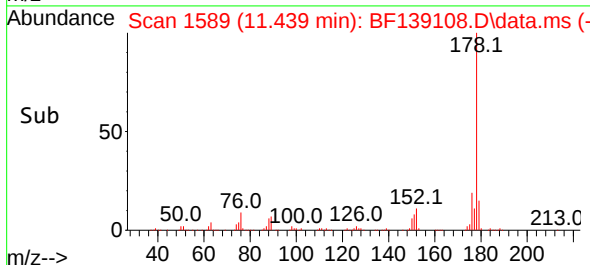
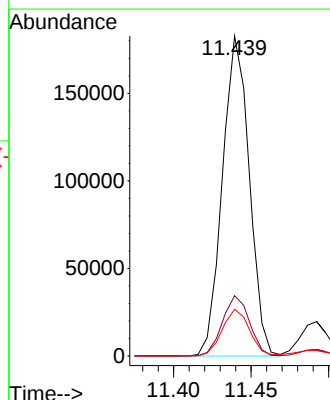
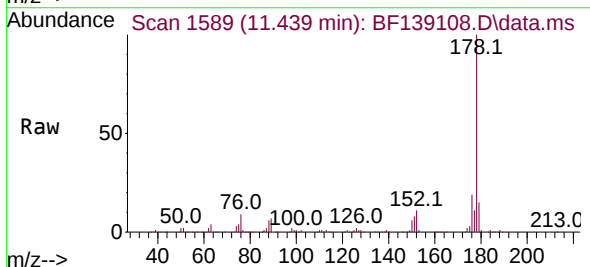
RT: 11.439 min Scan# 1589

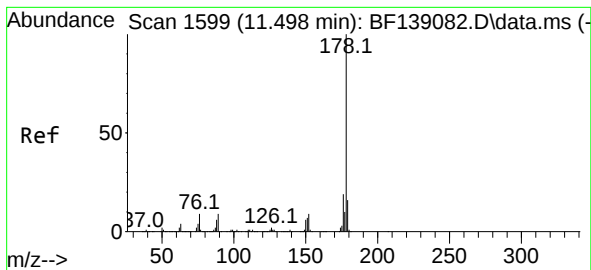
Delta R.T. -0.006 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Tgt Ion:178	Resp: 220310
Ion Ratio	Lower Upper
178 100	
176 18.9	15.4 23.2
179 14.6	12.3 18.5





#72

Anthracene

Concen: 2.803 ng

RT: 11.492 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

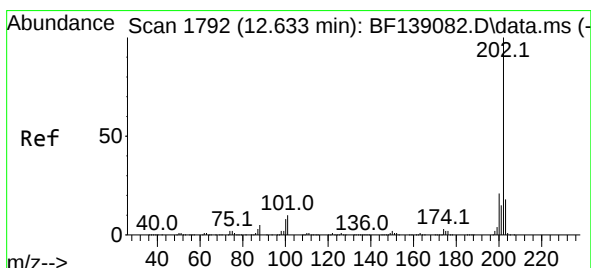
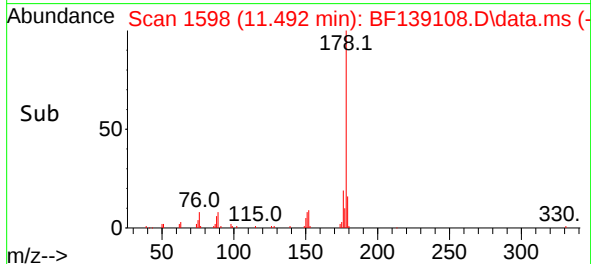
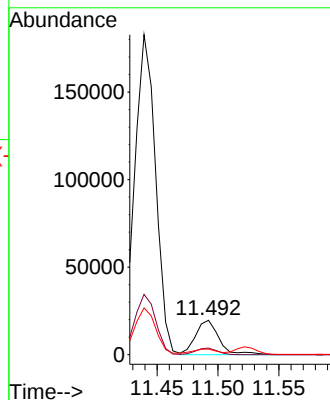
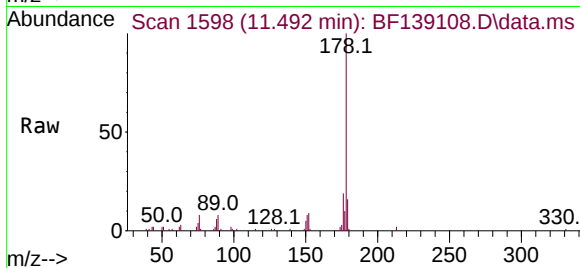
915-J-SD-0-0.5-081624

Tgt Ion:178	Resp:	2621
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.0 22.4
179	16.3	12.4 18.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#75

Fluoranthene

Concen: 44.452 ng

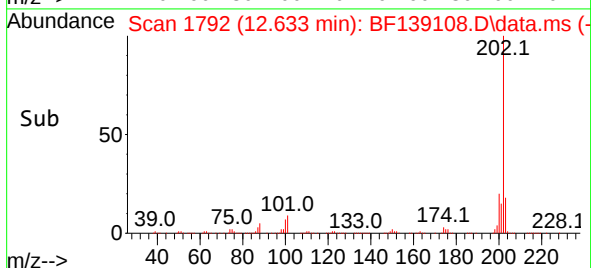
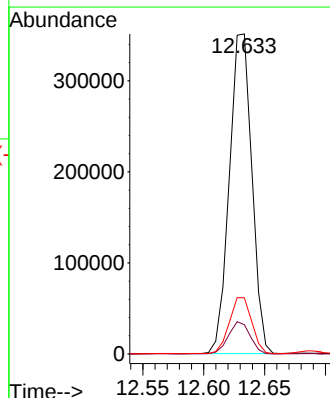
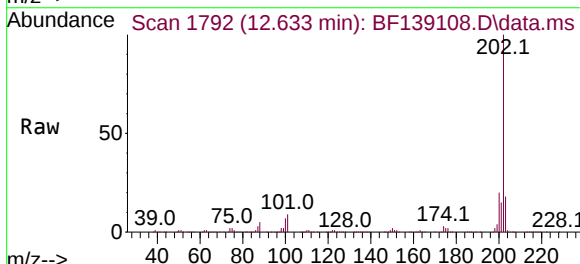
RT: 12.633 min Scan# 1792

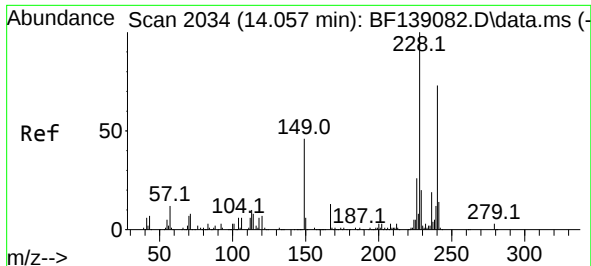
Delta R.T. -0.000 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

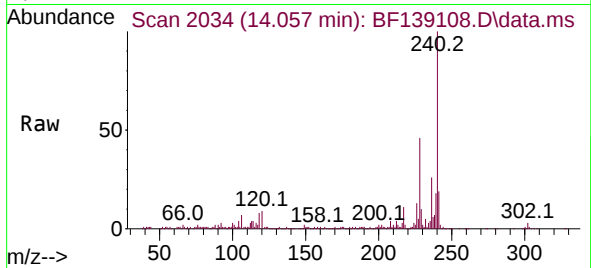
Tgt Ion:202	Resp:	453663
Ion Ratio	Lower	Upper
202	100	
101	9.2	0.0 30.2
203	17.5	0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

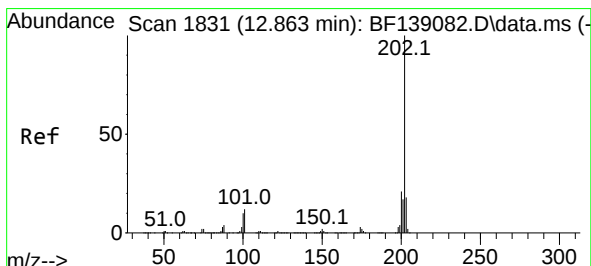
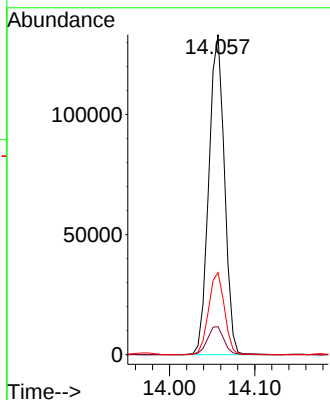
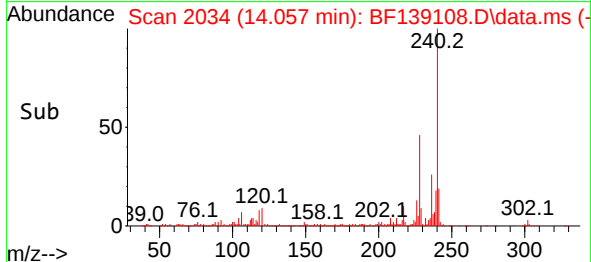
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624



Tgt Ion:240 Resp: 170510
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.7 20.9 31.3

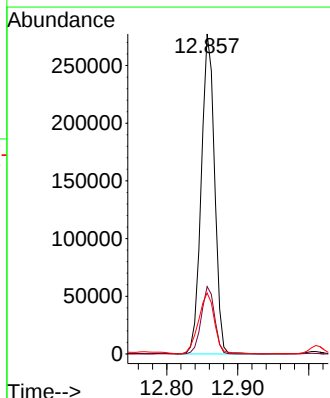
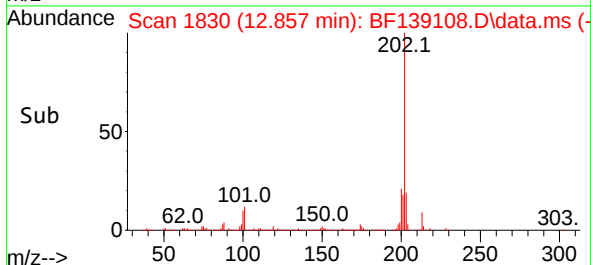
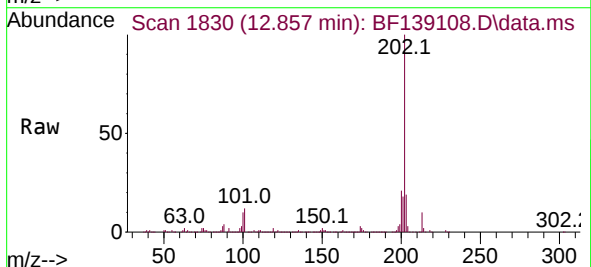
Manual Integrations
APPROVED

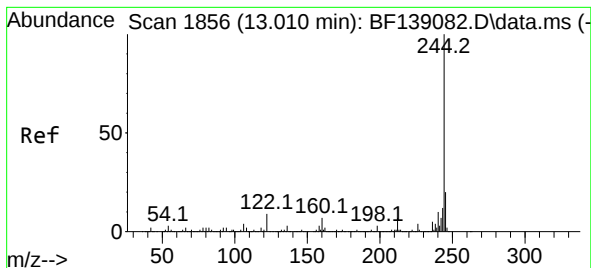
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#78
Pyrene
Concen: 25.444 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:202 Resp: 362062
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 19.0 14.1 21.1





#79

Terphenyl-d14

Concen: 33.658 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

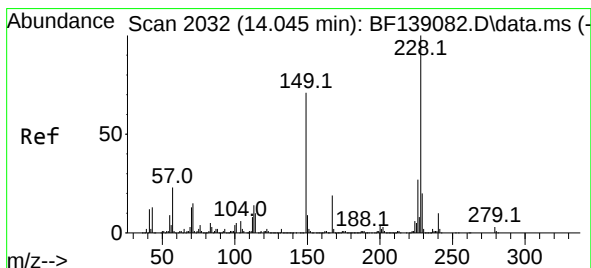
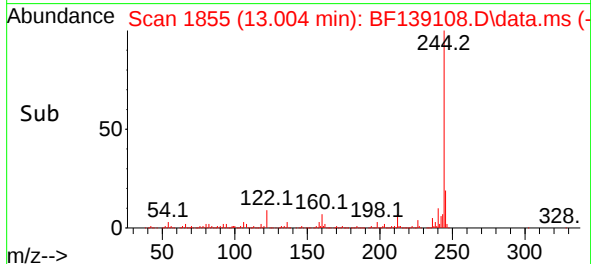
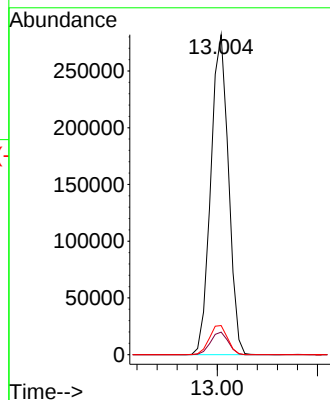
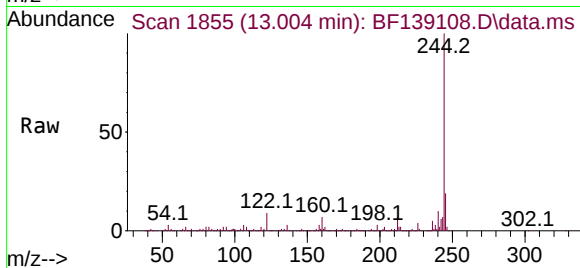
Tgt Ion:244 Resp: 345880

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.1	7.6	11.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#81

Benzo(a)anthracene

Concen: 16.522 ng

RT: 14.045 min Scan# 2032

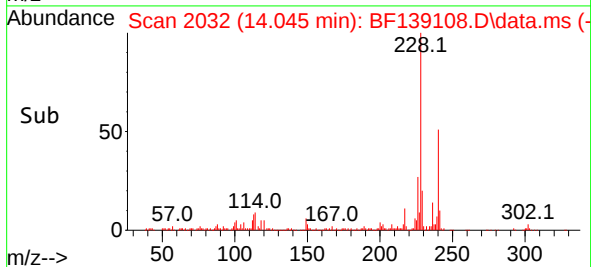
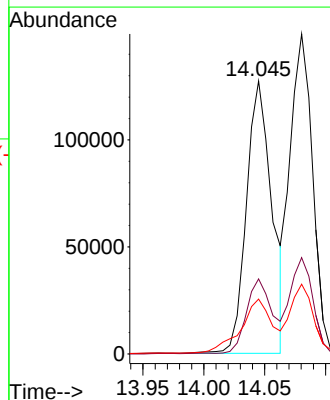
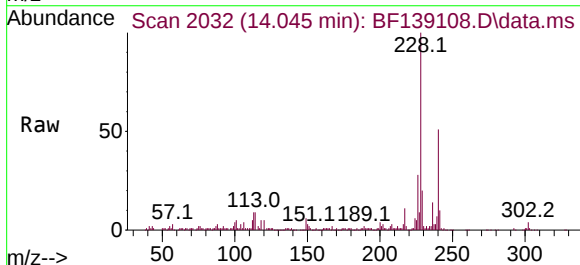
Delta R.T. -0.000 min

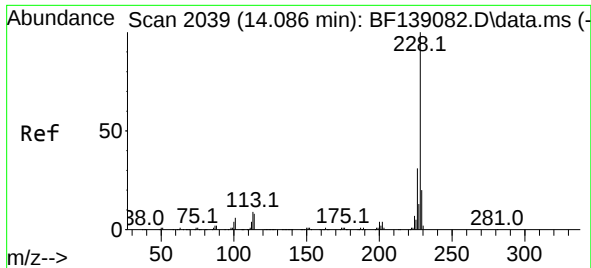
Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Tgt Ion:228 Resp: 185194

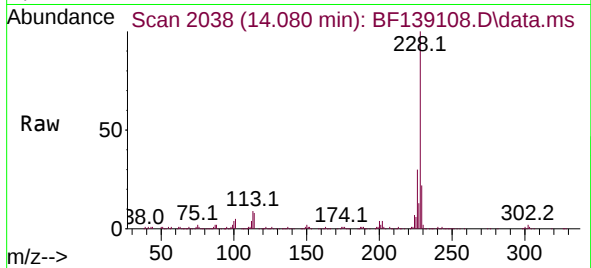
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.1	16.1	24.1





#83
Chrysene
Concen: 18.823 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

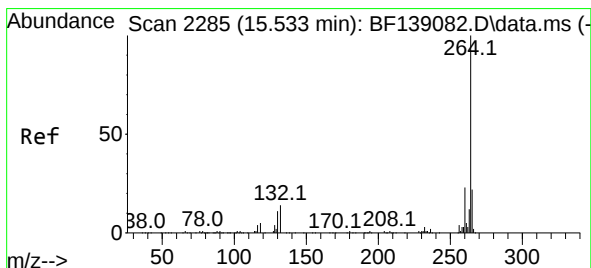
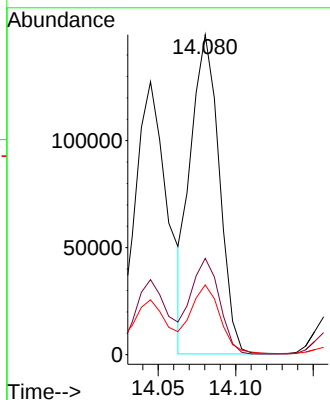
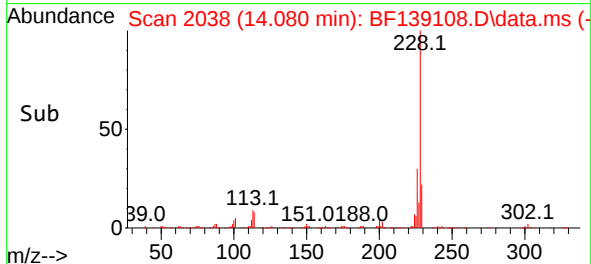
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624



Tgt Ion:228 Resp: 19124
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.8 15.8 23.8

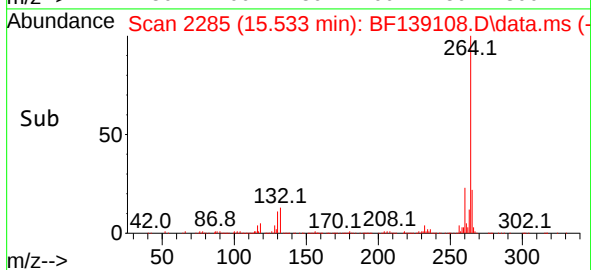
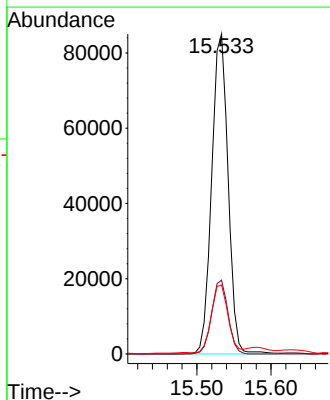
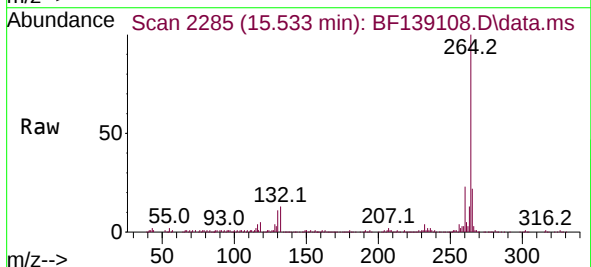
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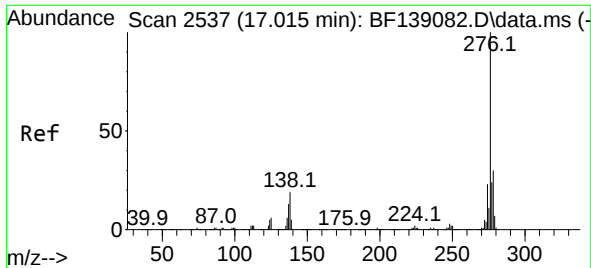
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:264 Resp: 130898
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.6 17.4 26.2





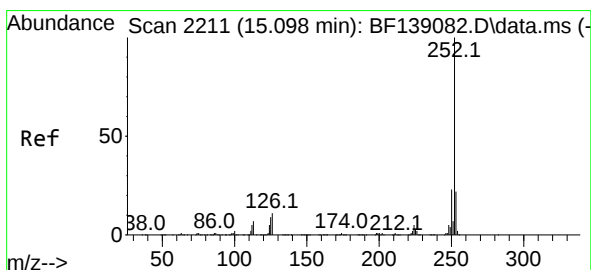
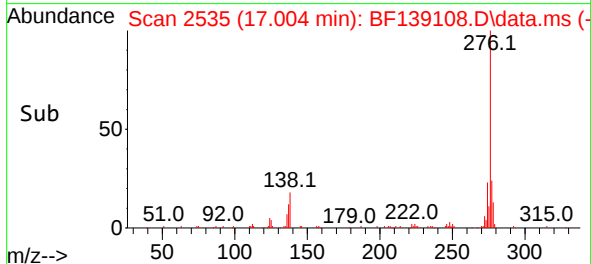
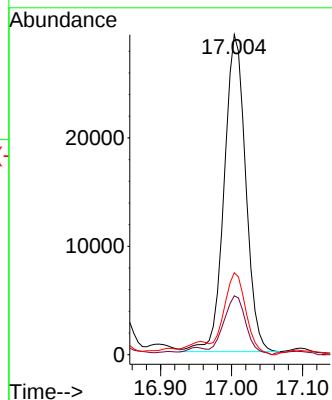
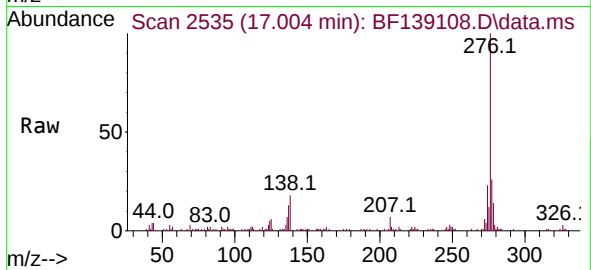
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.037 ng
RT: 17.004 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

Tgt Ion:276 Resp: 6156
Ion Ratio Lower Upper
276 100
138 19.1 17.3 25.9
277 26.4 20.2 30.4

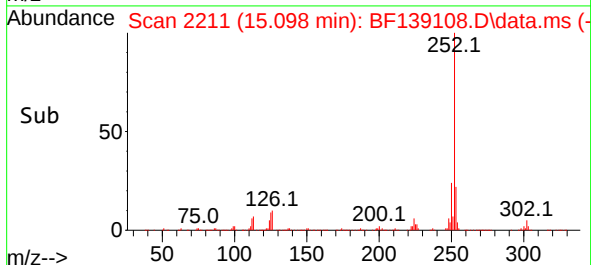
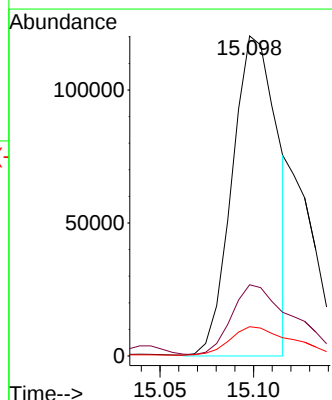
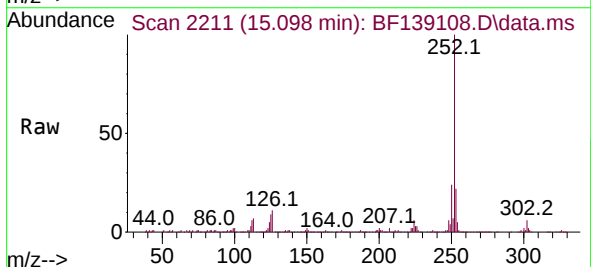
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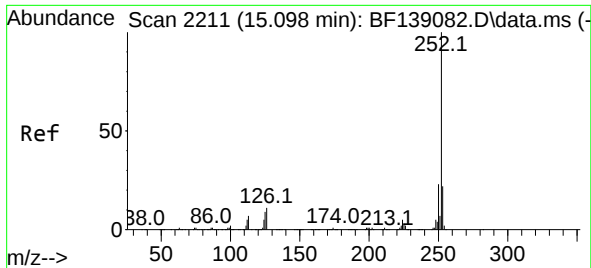
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#88
Benzo(b)fluoranthene
Concen: 23.784 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:252 Resp: 202964
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.1 7.0 10.6





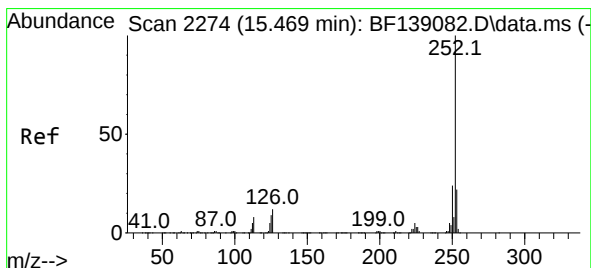
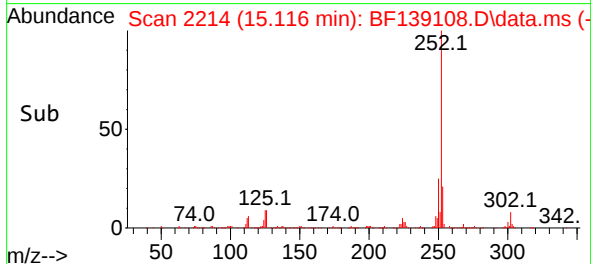
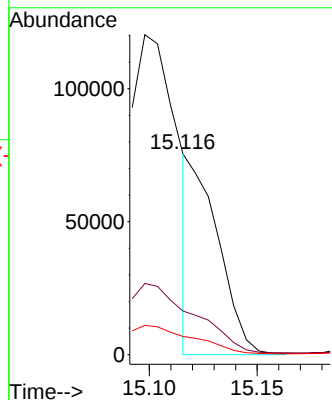
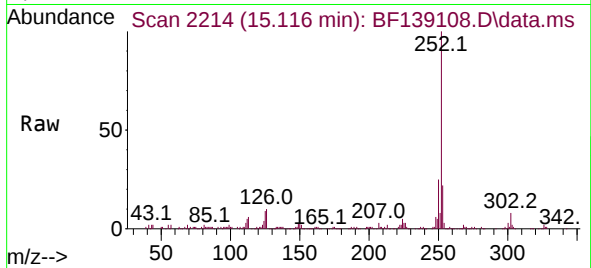
#89
Benzo(k)fluoranthene
Concen: 9.638 ng m
RT: 15.116 min Scan# 2116
Delta R.T. -0.018 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

Tgt Ion:252 Resp: 6850
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 9.1 7.0 10.6

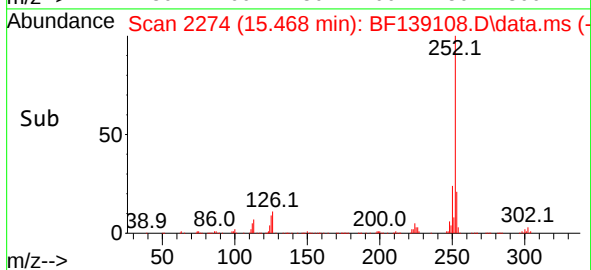
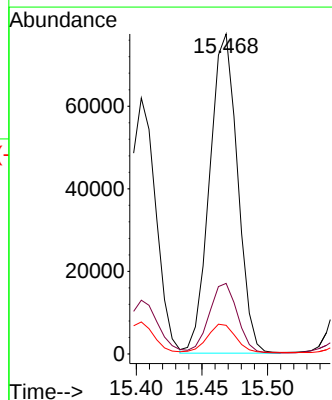
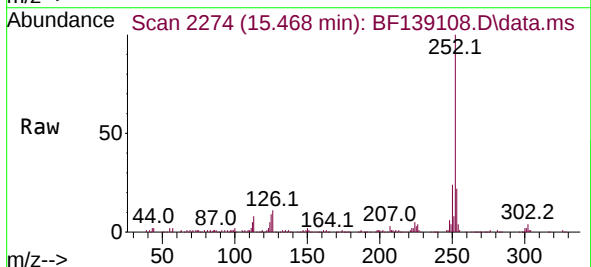
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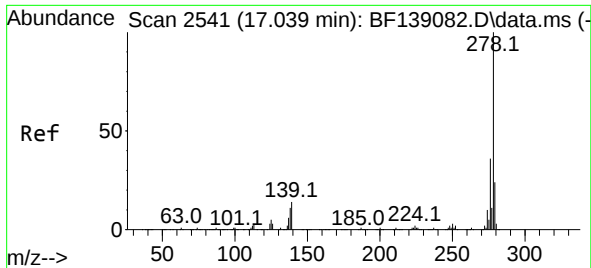
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#90
Benzo(a)pyrene
Concen: 16.971 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:252 Resp: 114434
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 9.0 7.4 11.2





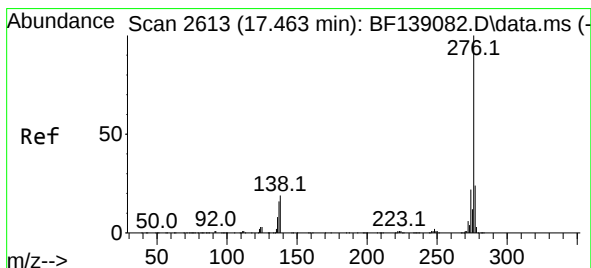
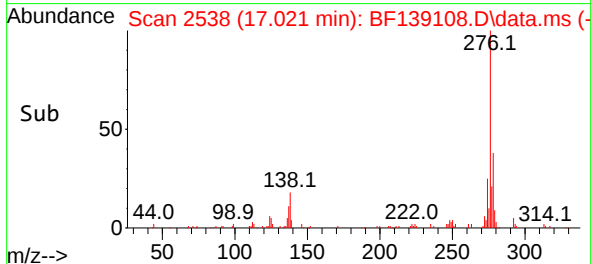
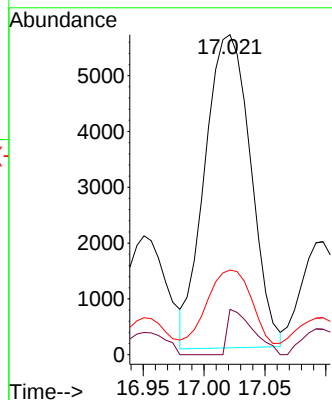
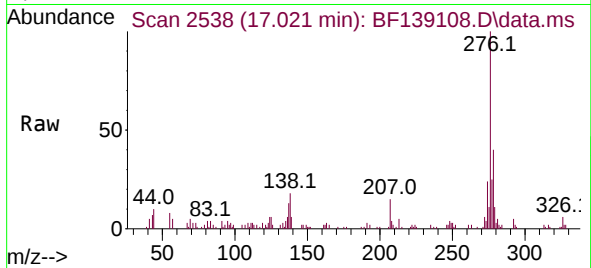
#91
Dibenzo(a,h)anthracene
Concen: 2.339 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.018 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

Tgt Ion:278 Resp: 14710
Ion Ratio Lower Upper
278 100
139 14.2 10.8 16.2
279 26.5 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#92
Benzo(g,h,i)perylene
Concen: 10.599 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:276 Resp: 59538
Ion Ratio Lower Upper
276 100
277 23.9 18.8 28.2
138 16.8 15.0 22.4

