

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139111.D
 Acq On : 21 Aug 2024 19:49
 Operator : RC/JU
 Sample : P3663-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-1-081624

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 00:57:49 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	77912	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	270606	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	124396	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	189134	20.000	ng	0.00
76) Chrysene-d12	14.057	240	152308	20.000	ng	0.00
86) Perylene-d12	15.533	264	112533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	529232	104.507	ng	0.00
7) Phenol-d6	6.516	99	671775	102.664	ng	0.00
23) Nitrobenzene-d5	7.457	82	425306	91.582	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	111747	99.230	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	597608	76.222	ng	0.00
79) Terphenyl-d14	13.004	244	503837	54.890	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	107077	11.138	ng	99
75) Fluoranthene	12.627	202	240878	23.476	ng	99
78) Pyrene	12.857	202	187211	14.729	ng	98
81) Benzo(a)anthracene	14.045	228	90378	9.027	ng	99
83) Chrysene	14.080	228	87562	9.649	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	29748	4.517	ng	99
88) Benzo(b)fluoranthene	15.098	252	90432m	12.326	ng	
89) Benzo(k)fluoranthene	15.116	252	27001m	4.419	ng	
90) Benzo(a)pyrene	15.468	252	49830	8.596	ng	98
92) Benzo(g,h,i)perylene	17.451	276	27246	6.949	ng	99

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

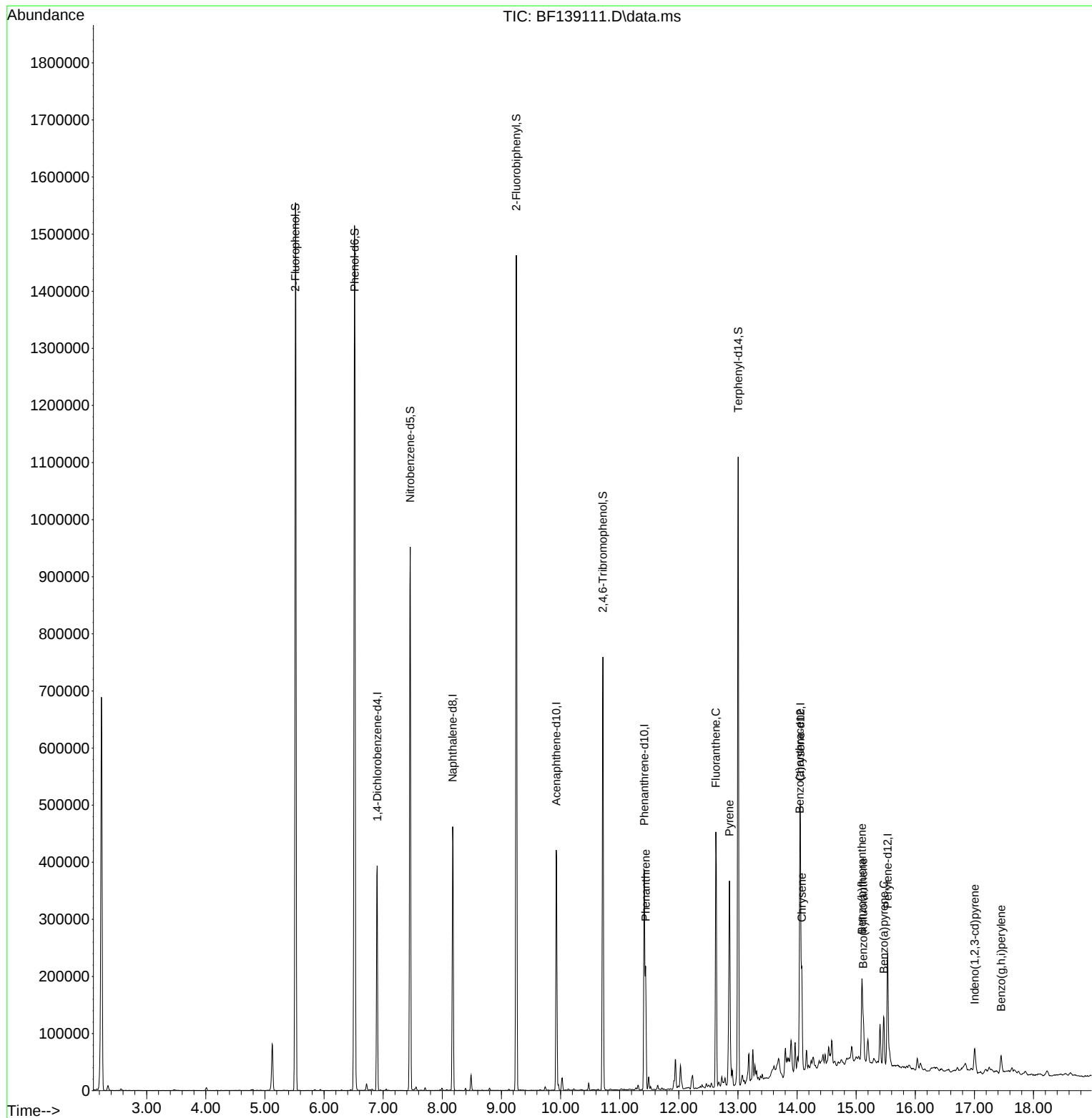
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
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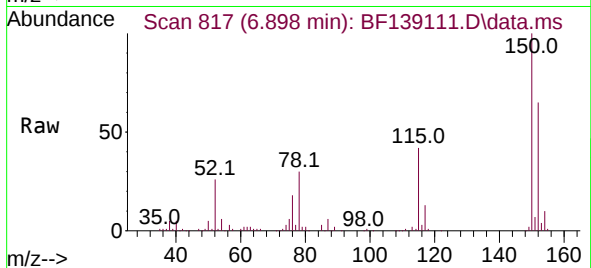
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

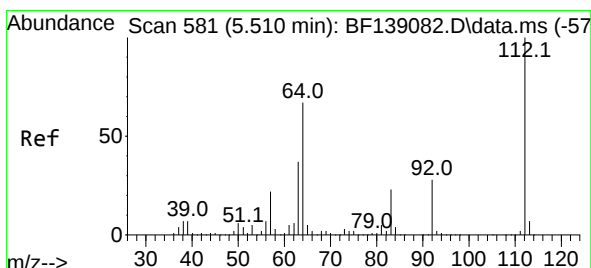
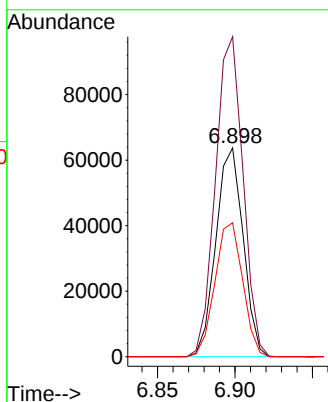
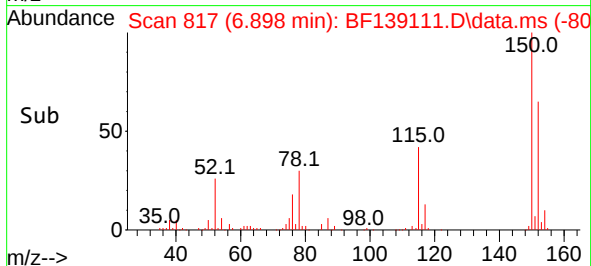
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



Tgt Ion:152 Resp: 77912
Ion Ratio Lower Upper
152 100
150 153.3 125.1 187.7
115 64.1 51.8 77.6

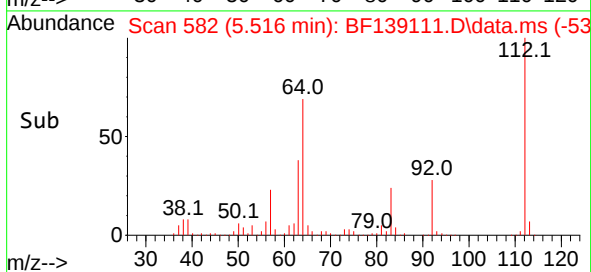
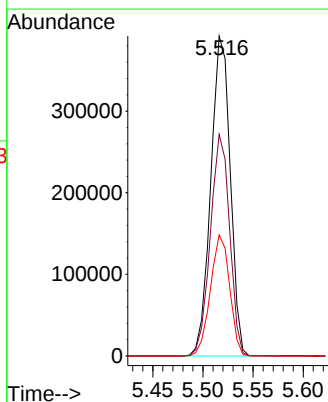
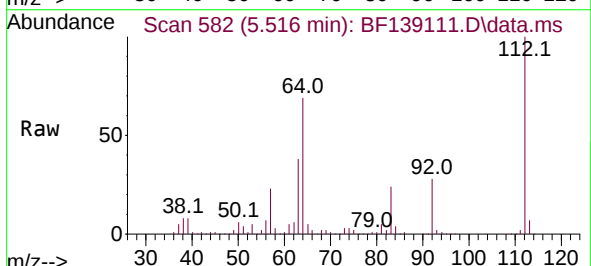
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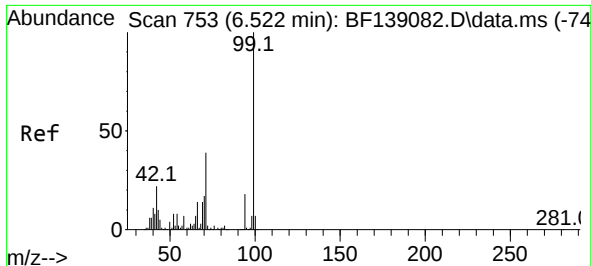
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#5
2-Fluorophenol
Concen: 104.507 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

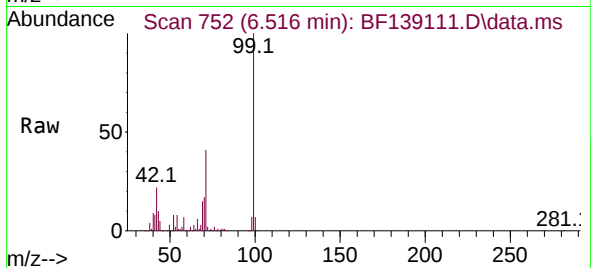
Tgt Ion:112 Resp: 529232
Ion Ratio Lower Upper
112 100
64 69.3 53.8 80.6
63 37.8 29.4 44.2





#7
Phenol-d6
Concen: 102.664 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

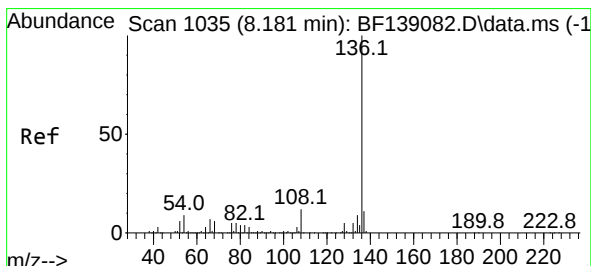
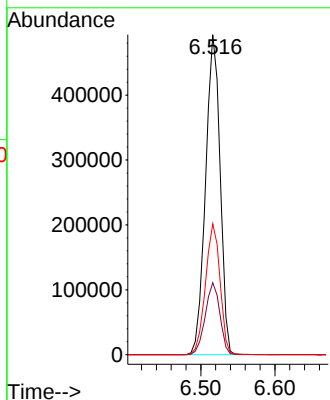
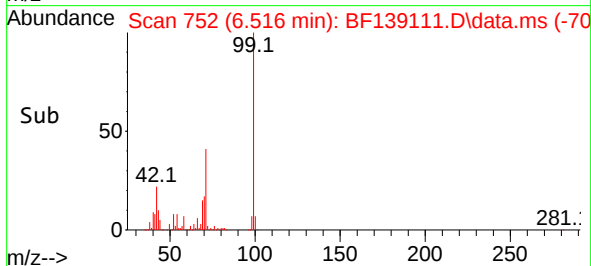
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



Tgt Ion: 99 Resp: 671775
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.2
71 40.9 31.2 46.8

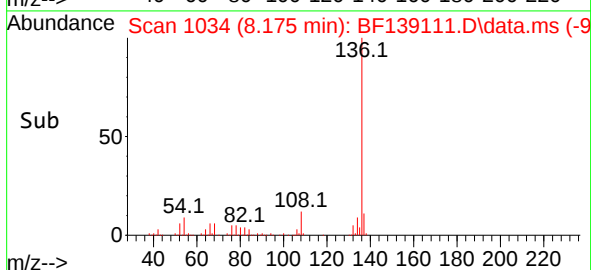
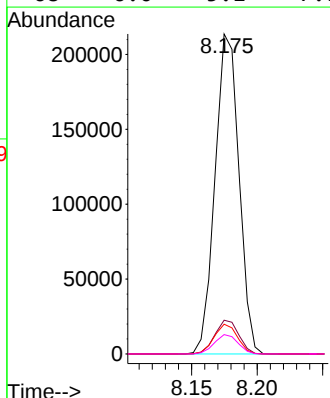
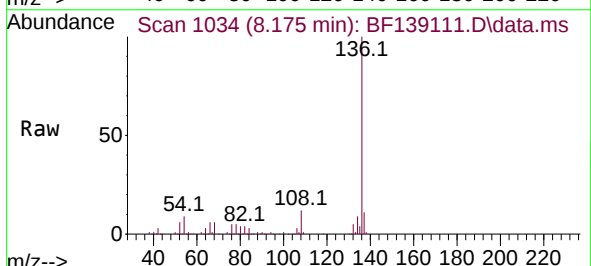
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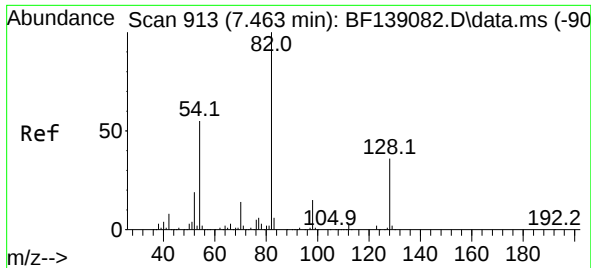
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:136 Resp: 270606
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 9.3 7.6 11.4
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 91.582 ng

RT: 7.457 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

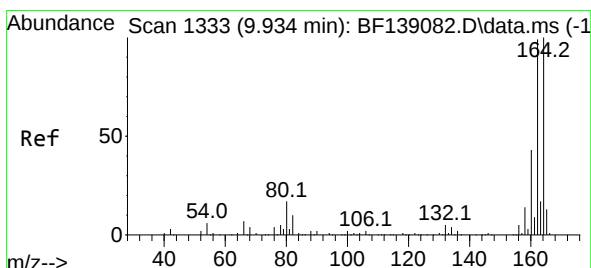
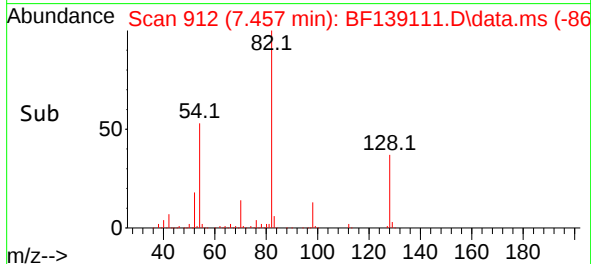
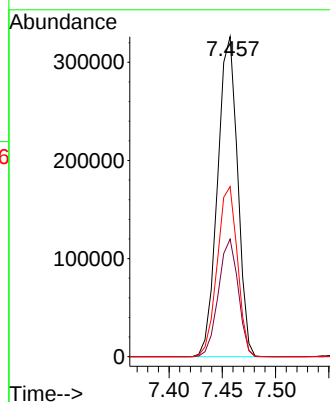
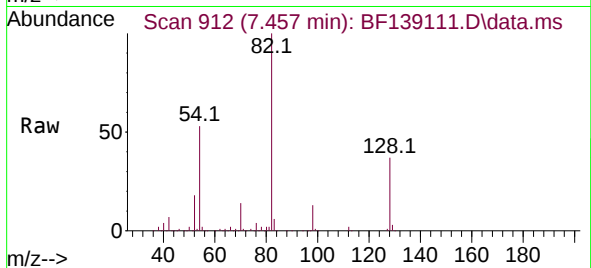
Tgt Ion: 82 Resp: 425300

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	53.2	43.4	65.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

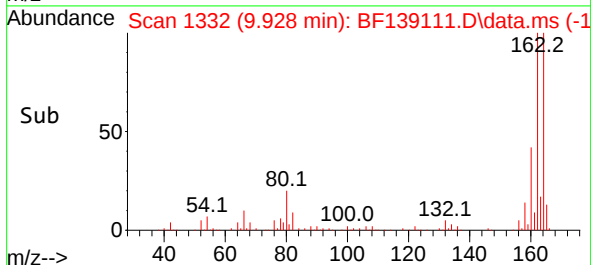
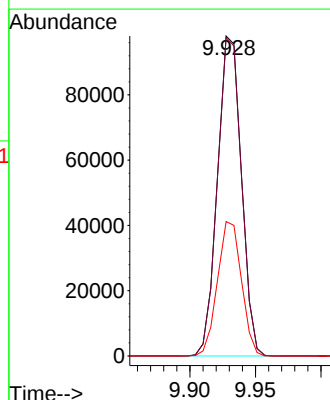
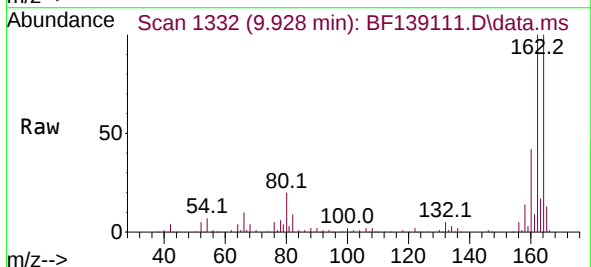
Delta R.T. -0.006 min

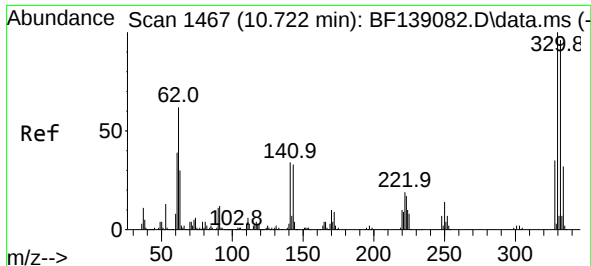
Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Tgt Ion:164 Resp: 124396

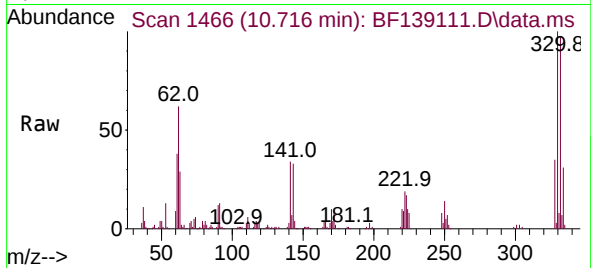
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.3
160	42.0	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 99.230 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

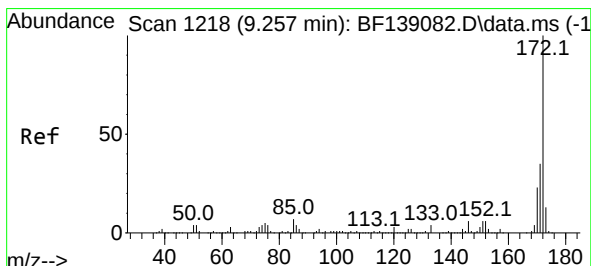
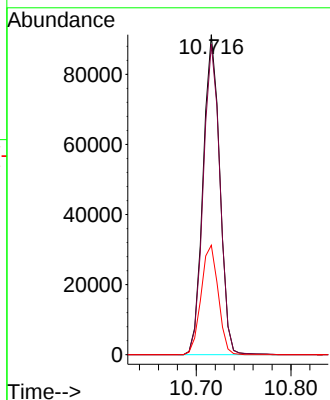
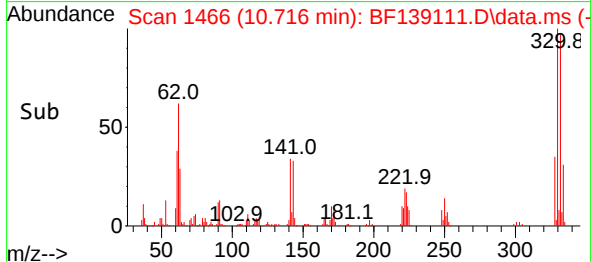
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



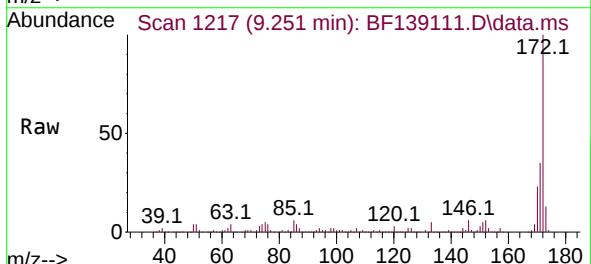
Tgt Ion: 330 Resp: 11174
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 35.0 27.5 41.3

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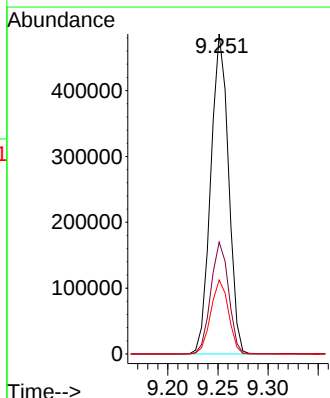
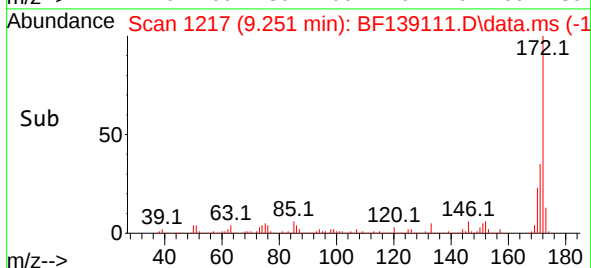
Reviewed By : Jagrut Upadhyay 08/22/2024
Supervised By : mohammad ahmed 08/23/2024

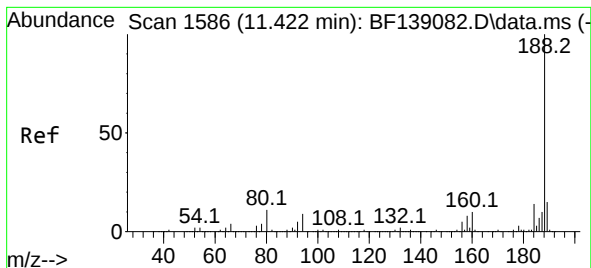


#45
2-Fluorobiphenyl
Concen: 76.222 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49



Tgt Ion: 172 Resp: 597608
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139111.D

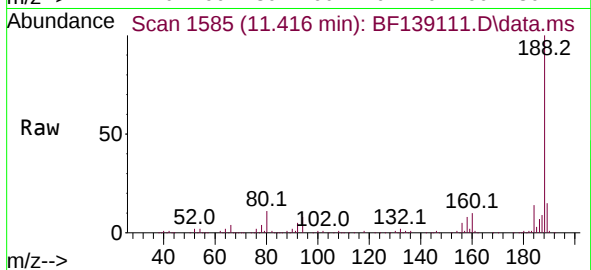
Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624



Tgt Ion:188 Resp: 189134

Ion Ratio Lower Upper

188 100

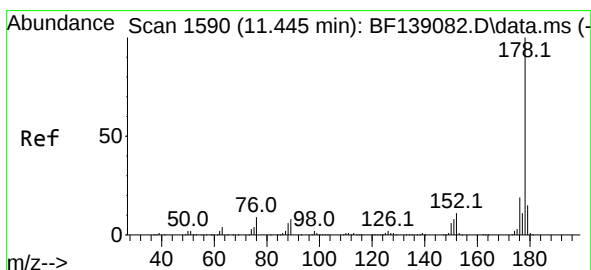
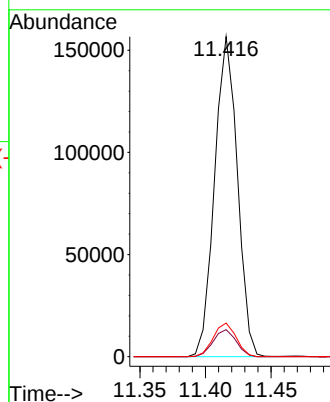
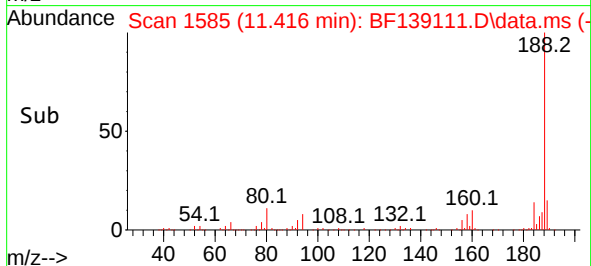
94 8.5 7.2 10.8

80 10.5 8.5 12.7

Manual Integrations

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Supervised By :mohammad ahmed 08/23/2024



#71

Phenanthrene

Concen: 11.138 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

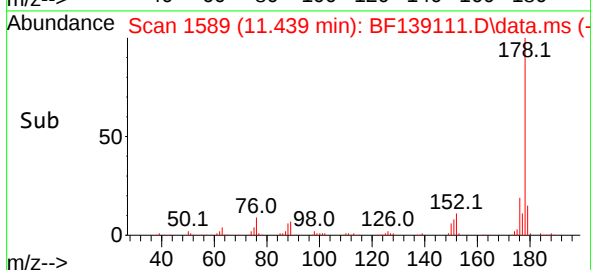
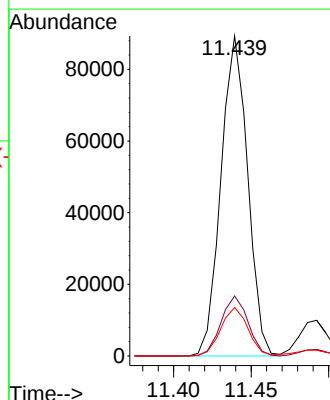
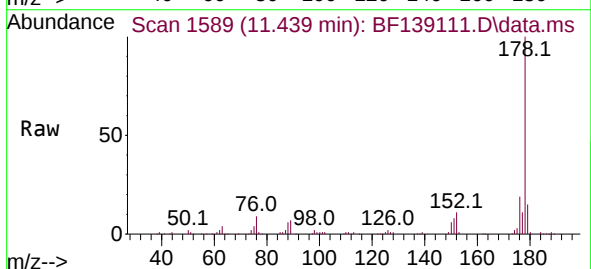
Tgt Ion:178 Resp: 107077

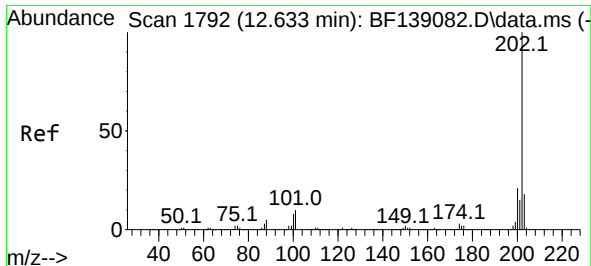
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

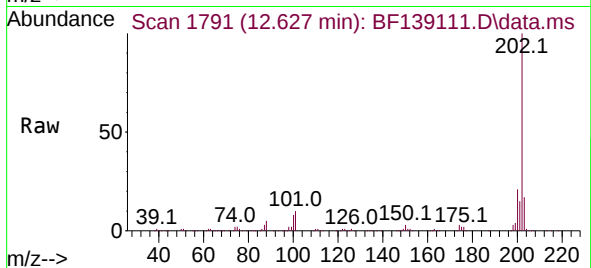
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 23.476 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

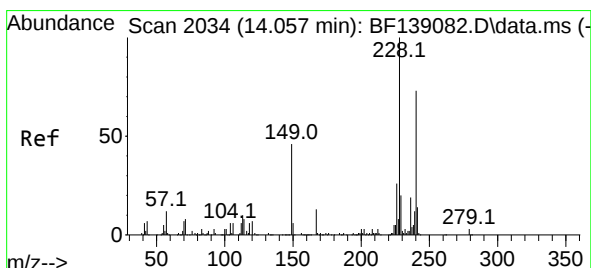
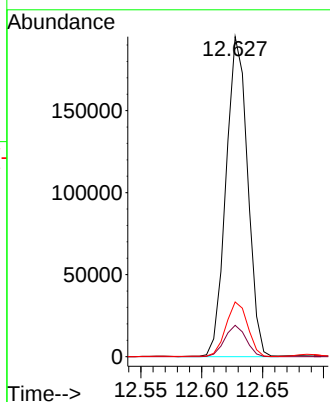
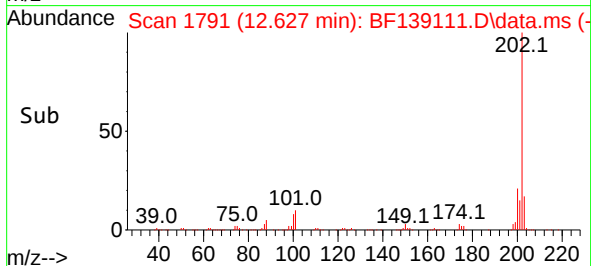
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



Tgt Ion:202 Resp: 240878
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.1 0.0 37.6

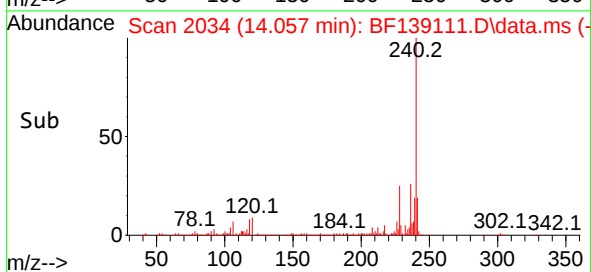
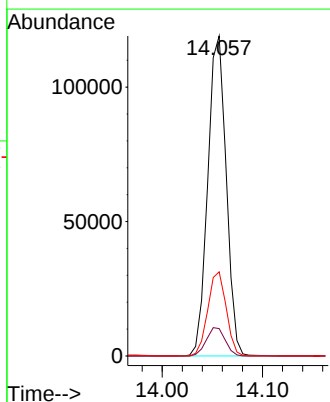
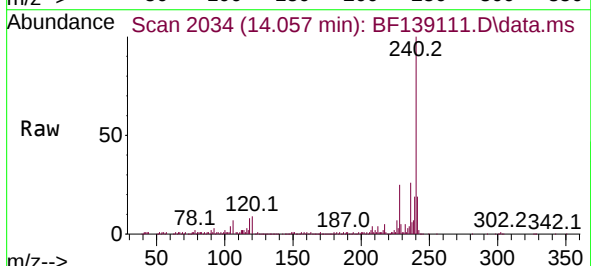
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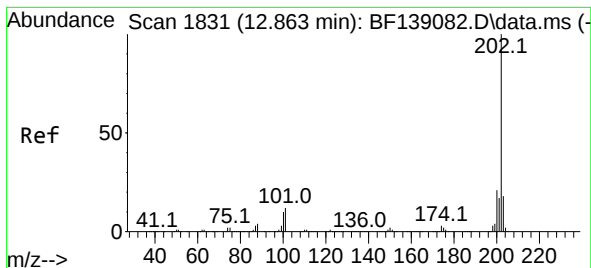
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:240 Resp: 152308
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 26.3 20.9 31.3





#78

Pyrene

Concen: 14.729 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

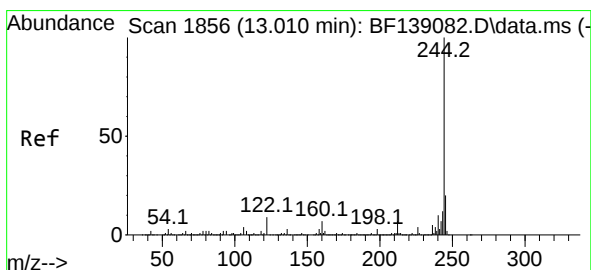
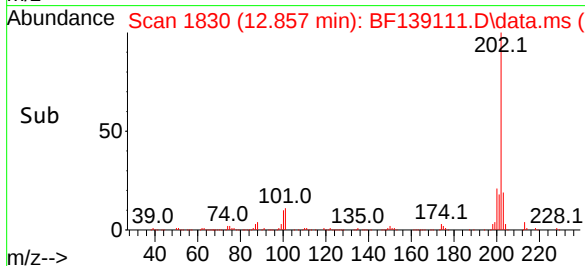
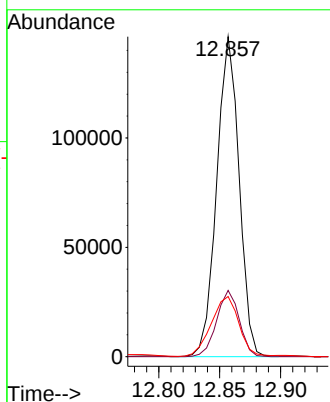
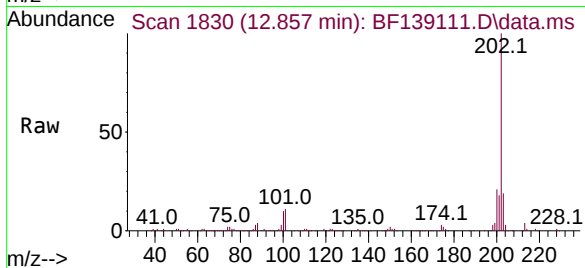
919-J-SD-0-1-081624

Tgt Ion:	202	Resp:	18721
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.0	25.6
203	18.8	14.1	21.1

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#79

Terphenyl-d14

Concen: 54.890 ng

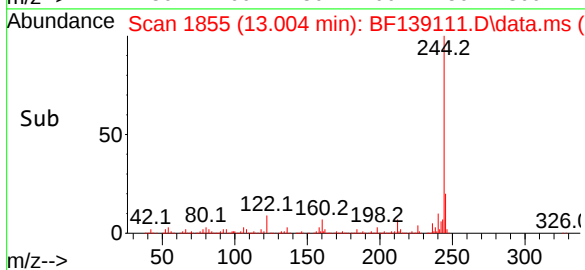
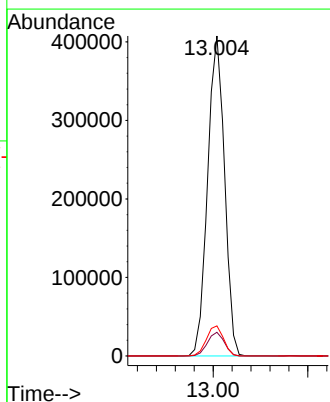
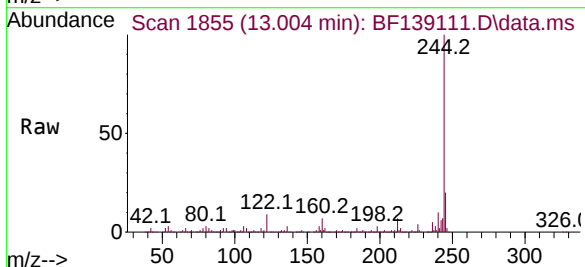
RT: 13.004 min Scan# 1855

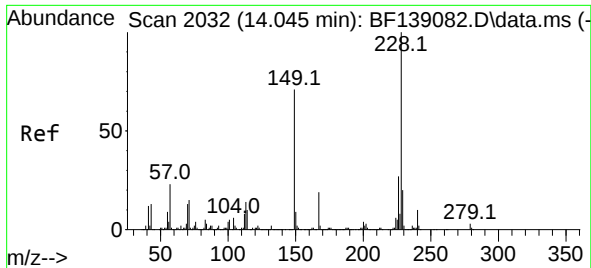
Delta R.T. -0.006 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

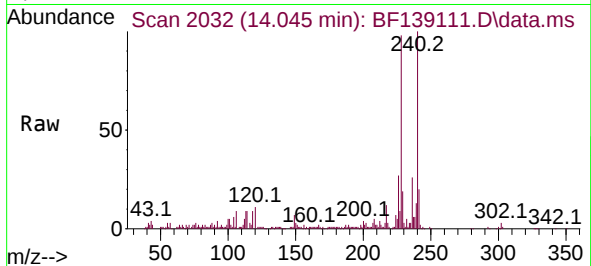
Tgt Ion:	244	Resp:	503837
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.6
122	9.4	7.6	11.4





#81
Benzo(a)anthracene
Concen: 9.027 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

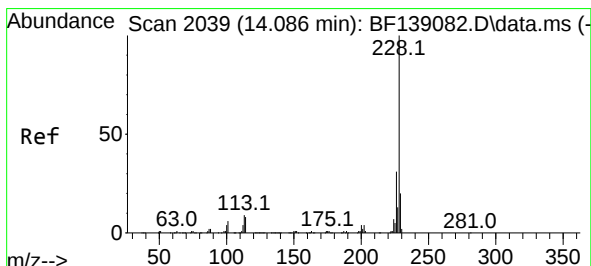
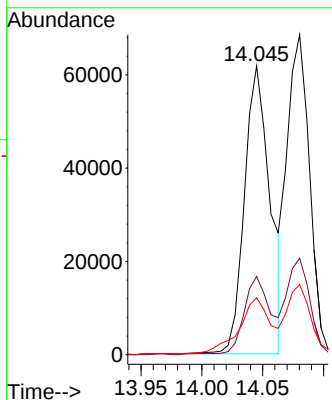
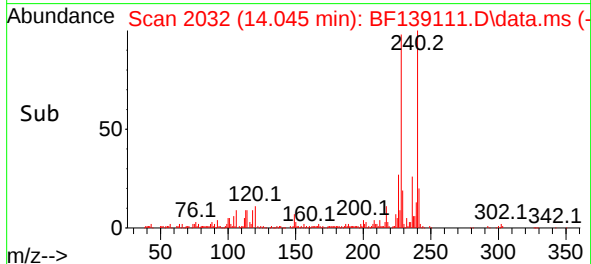
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



Tgt Ion:228 Resp: 90378
Ion Ratio Lower Upper
228 100
226 27.1 21.9 32.9
229 19.8 16.1 24.1

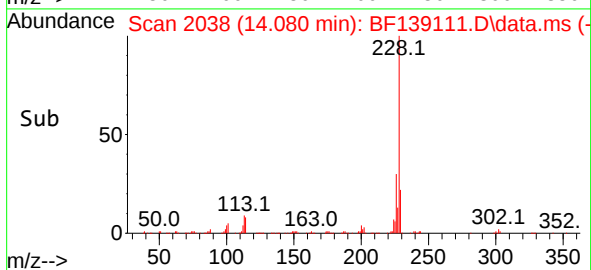
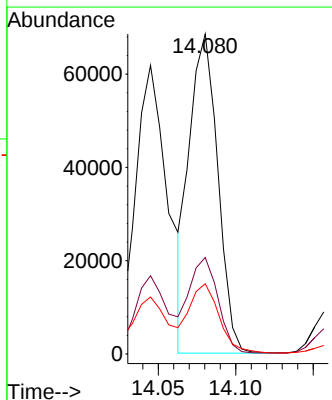
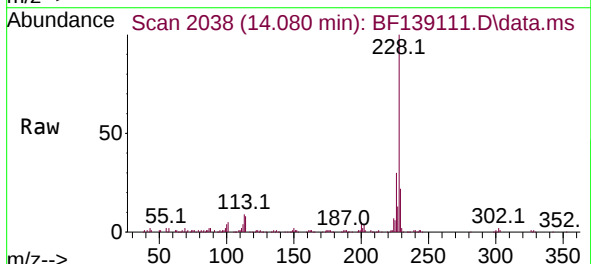
Manual Integrations
APPROVED

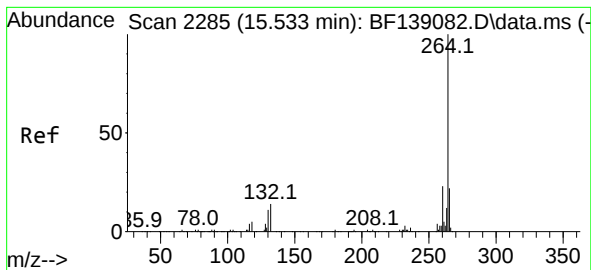
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#83
Chrysene
Concen: 9.649 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

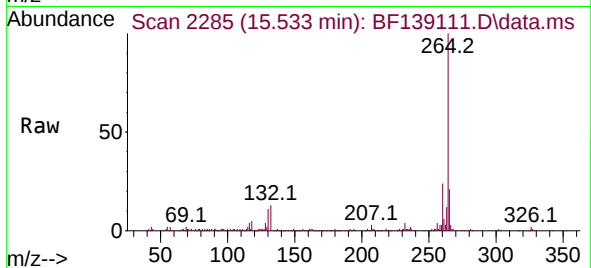
Tgt Ion:228 Resp: 87562
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

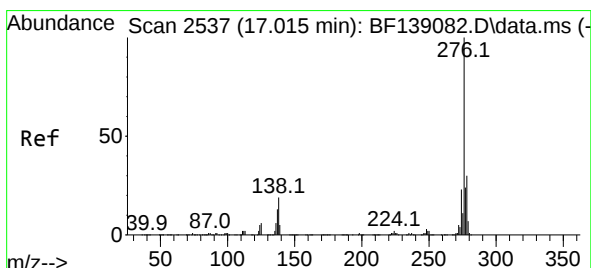
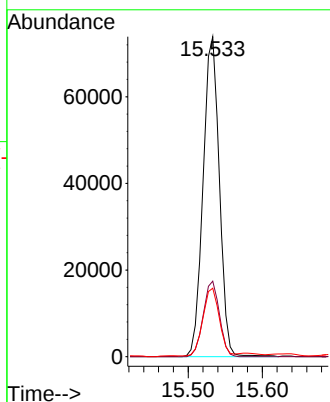
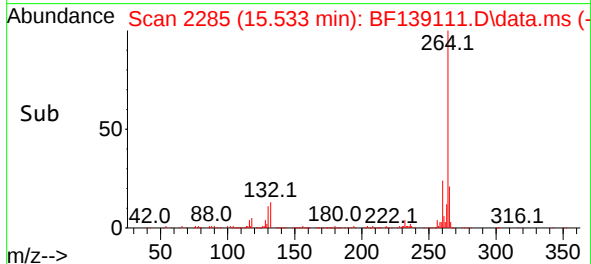
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



Tgt Ion:264 Resp: 11253
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.4 17.4 26.2

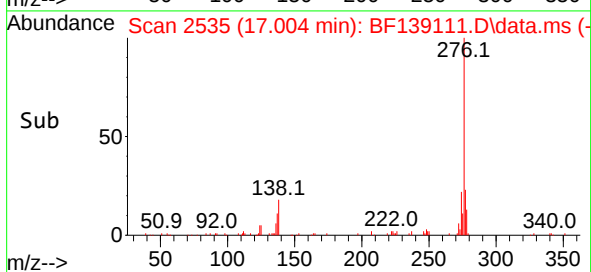
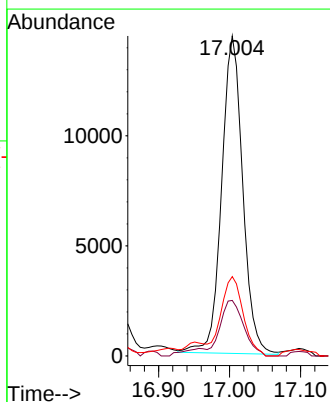
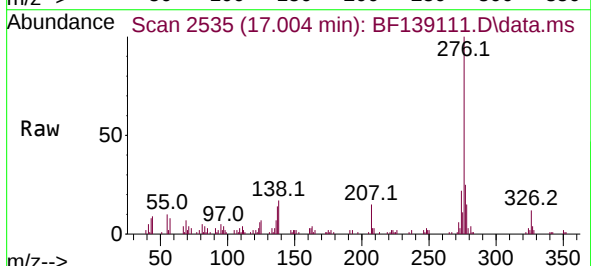
Manual Integrations
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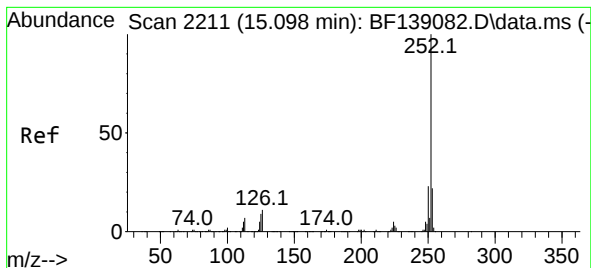
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.517 ng
RT: 17.004 min Scan# 2535
Delta R.T. -0.012 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:276 Resp: 29748
Ion Ratio Lower Upper
276 100
138 22.0 17.3 25.9
277 26.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 12.326 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

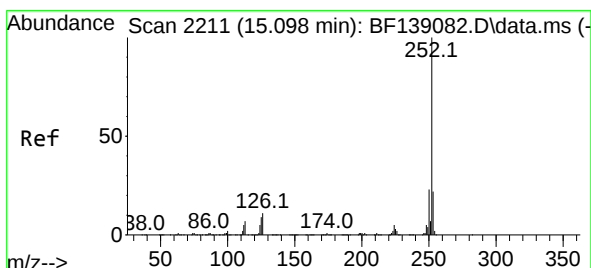
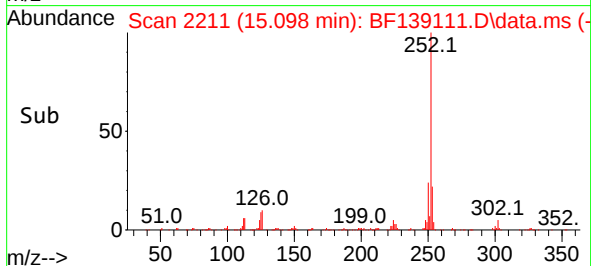
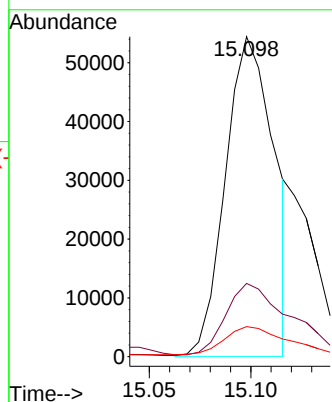
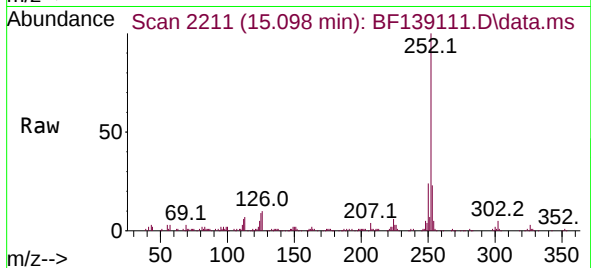
919-J-SD-0-1-081624

Tgt Ion:252 Resp: 9043
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.2
 125 9.4 7.0 10.6

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 4.419 ng m

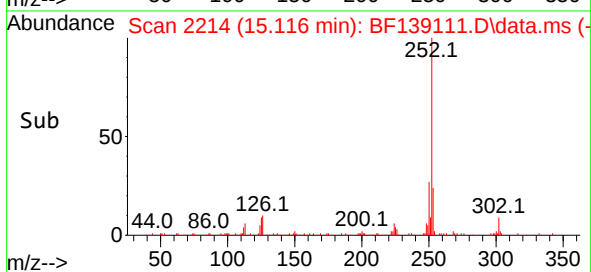
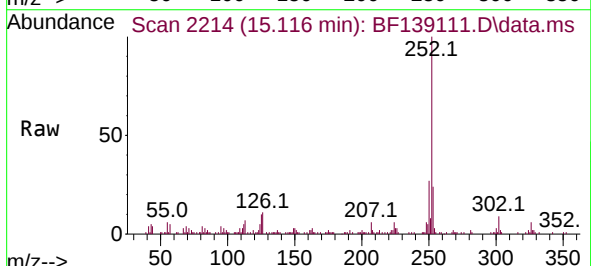
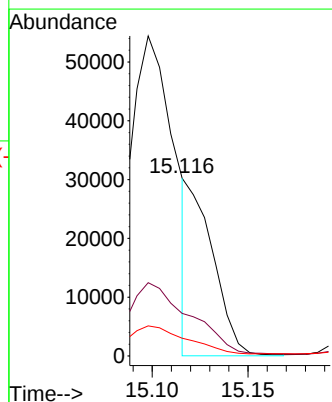
RT: 15.116 min Scan# 2214

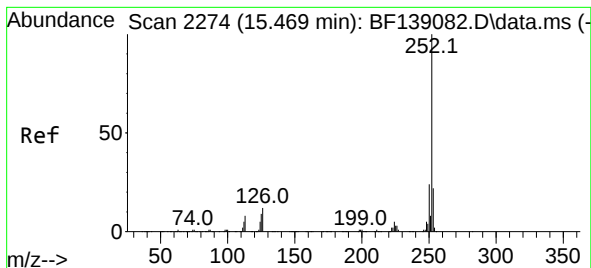
Delta R.T. -0.018 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Tgt Ion:252 Resp: 27001
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.4 26.2
 125 10.0 7.0 10.6





#90

Benzo(a)pyrene

Concen: 8.596 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

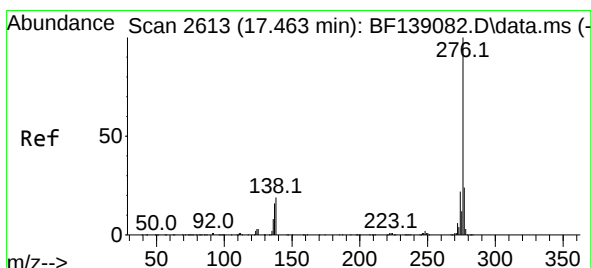
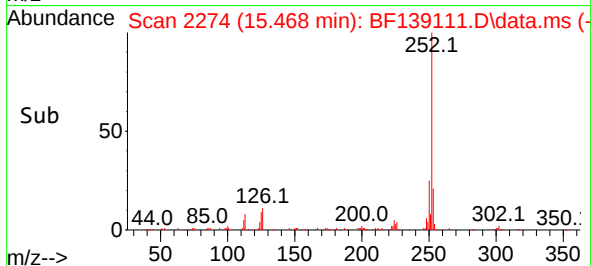
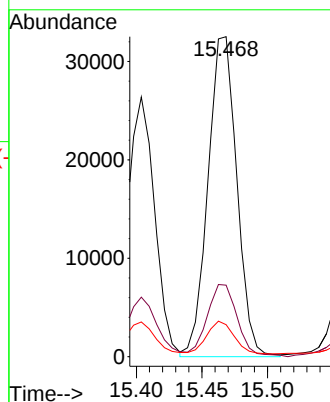
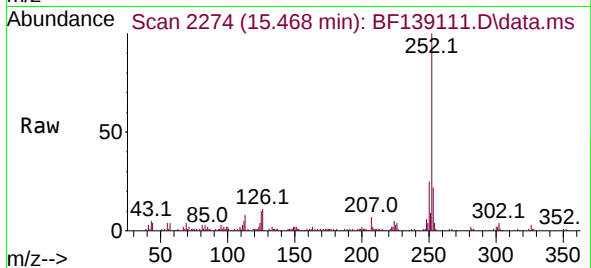
Tgt Ion:252 Resp: 49830

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	10.0	7.4	11.2

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 6.949 ng

RT: 17.451 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Tgt Ion:276 Resp: 27246

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	18.0	15.0	22.4

