

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139103.D
 Acq On : 21 Aug 2024 15:51
 Operator : RC/JU
 Sample : P3663-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 910-J-SD-0.5-1-081624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

Quant Time: Aug 21 16:34:29 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	85511	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	315314	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	177801	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	265235	20.000	ng	0.00
76) Chrysene-d12	14.057	240	154529	20.000	ng	0.00
86) Perylene-d12	15.533	264	174421	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	423197	76.142	ng	0.00
7) Phenol-d6	6.516	99	564961	78.667	ng	0.00
23) Nitrobenzene-d5	7.457	82	340825	62.984	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	122382	76.032	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	517723	46.199	ng	0.00
79) Terphenyl-d14	13.004	244	328876	35.314	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	152636	11.322	ng	99
72) Anthracene	11.492	178	34547	2.620	ng	97
75) Fluoranthene	12.627	202	242806	16.874	ng	100
78) Pyrene	12.857	202	197831	15.341	ng	97
81) Benzo(a)anthracene	14.045	228	111891	11.015	ng	99
83) Chrysene	14.080	228	91711	9.961	ng	98
87) Indeno(1,2,3-cd)pyrene	17.003	276	41297	4.046	ng	96
88) Benzo(b)fluoranthene	15.098	252	131628m	11.576	ng	
89) Benzo(k)fluoranthene	15.115	252	48792m	5.152	ng	
90) Benzo(a)pyrene	15.468	252	93328	10.387	ng	98
92) Benzo(g,h,i)perylene	17.456	276	35619	6.298	ng	98

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

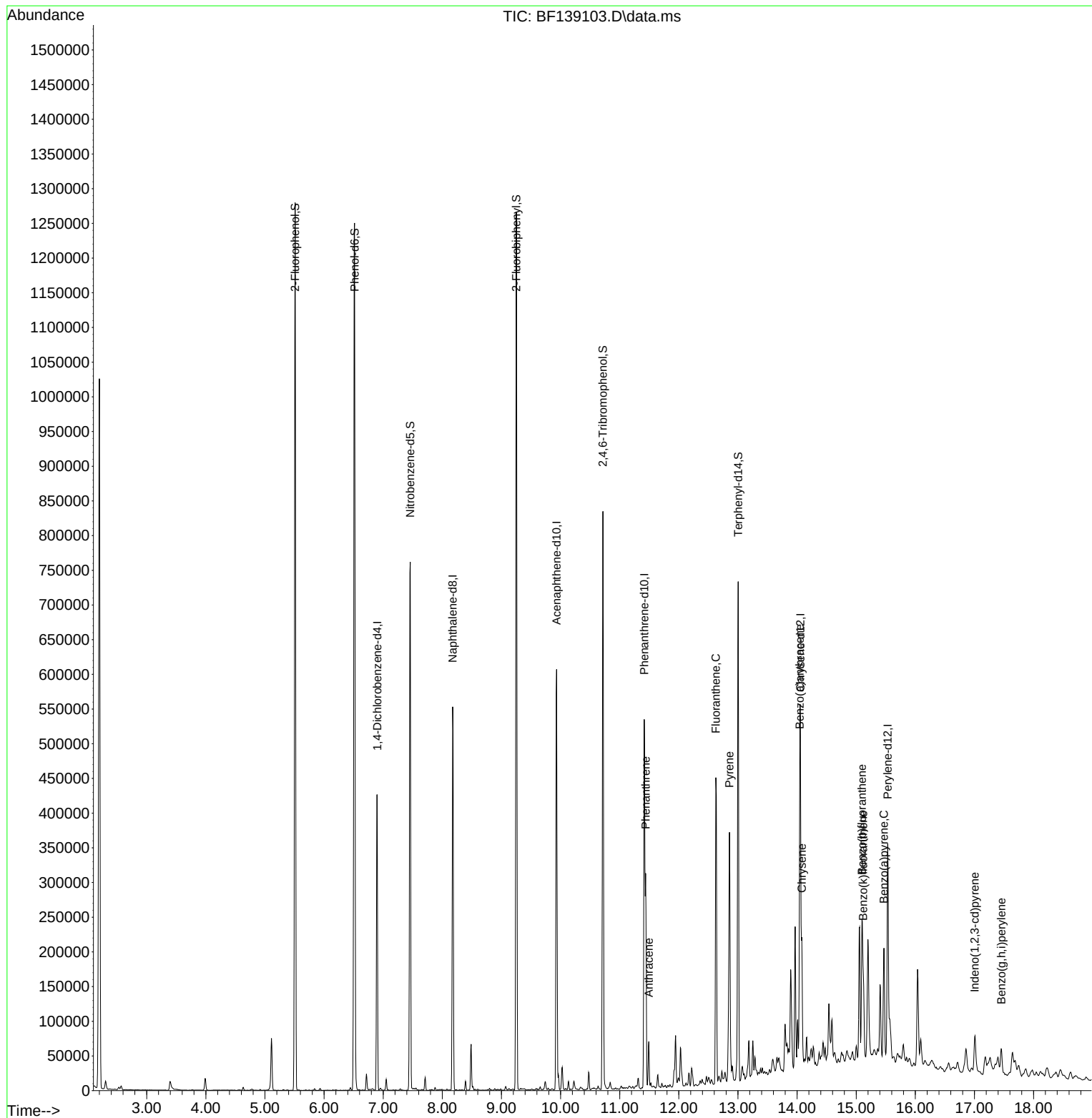
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
Data File : BF139103.D
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Sample : P3663-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

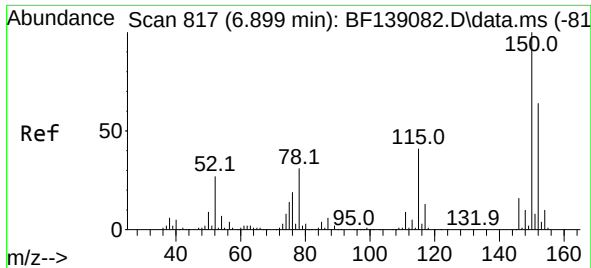
Instrument :
BNA_F
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910-J-SD-0.5-1-081624

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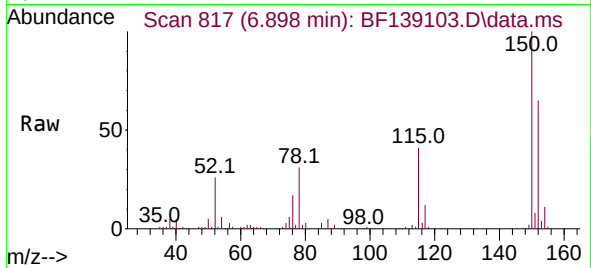
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

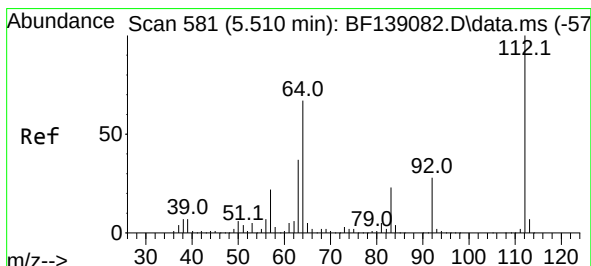
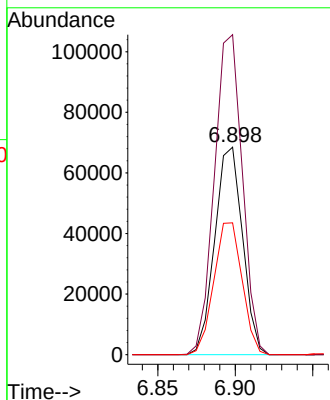
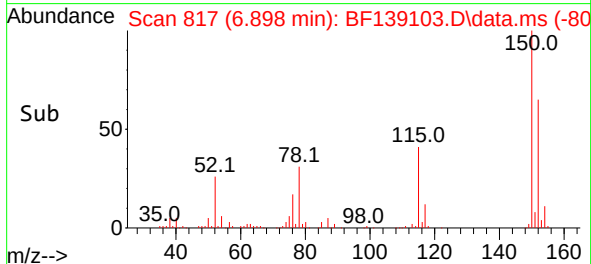
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624



Tgt Ion:152 Resp: 8551
Ion Ratio Lower Upper
152 100
150 154.2 125.1 187.7
115 63.5 51.8 77.6

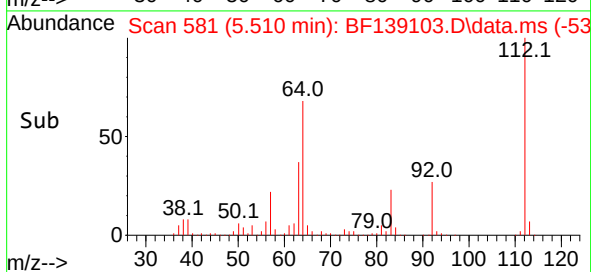
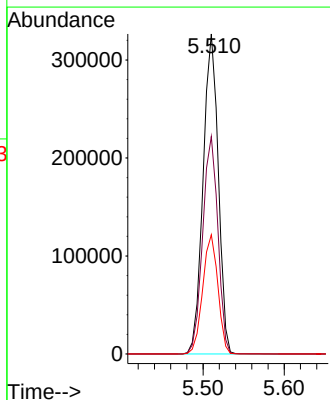
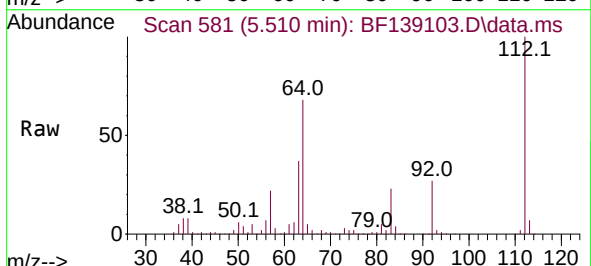
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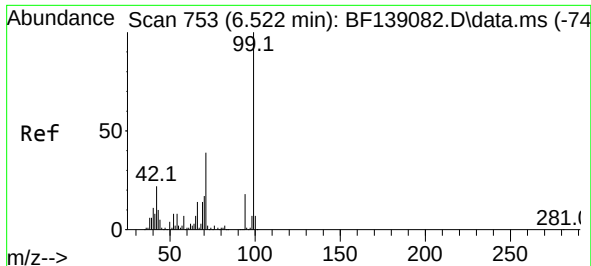
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#5
2-Fluorophenol
Concen: 76.142 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

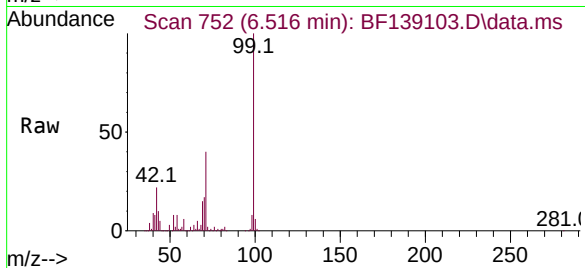
Tgt Ion:112 Resp: 423197
Ion Ratio Lower Upper
112 100
64 67.9 53.8 80.6
63 37.2 29.4 44.2





#7
Phenol-d6
Concen: 78.667 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

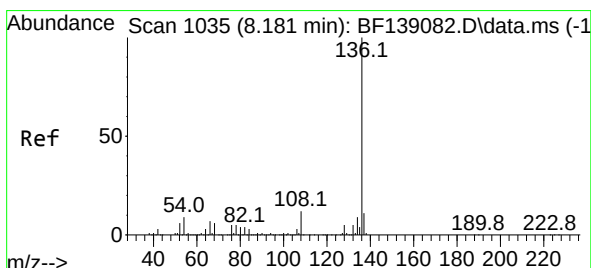
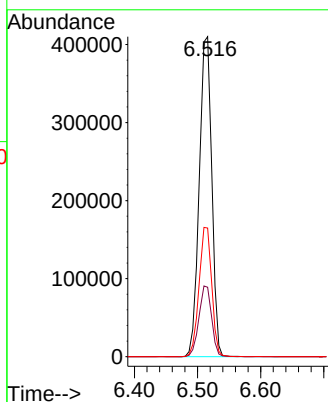
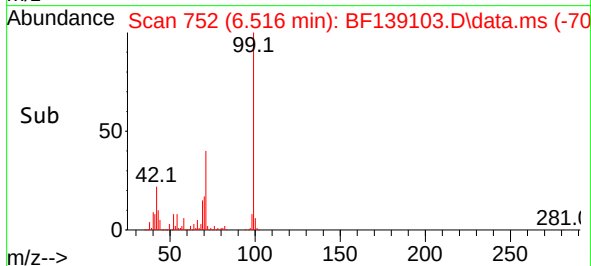
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624



Tgt Ion: 99 Resp: 56496
Ion Ratio Lower Upper
99 100
42 21.7 17.4 26.2
71 40.2 31.2 46.8

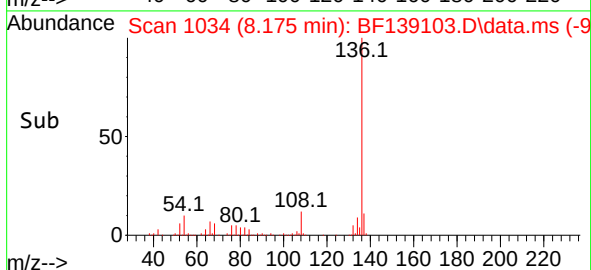
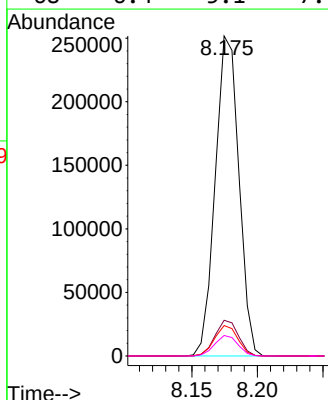
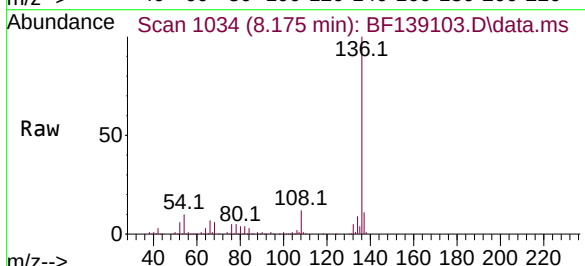
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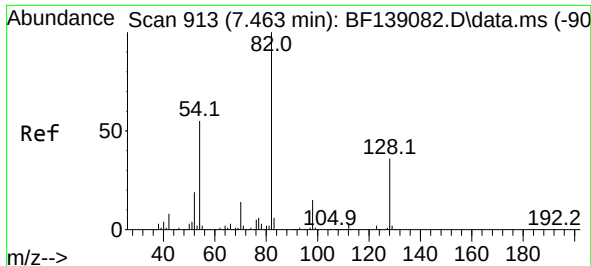
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

Tgt Ion:136 Resp: 315314
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.5 7.6 11.4
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 62.984 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139103.D

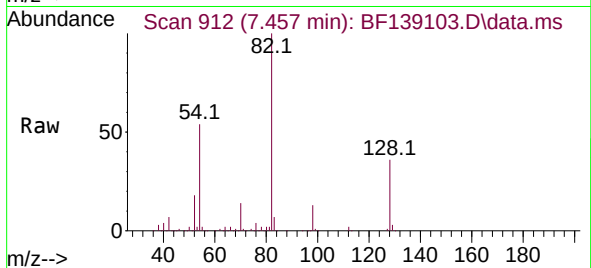
Acq: 21 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0.5-1-081624



Tgt Ion: 82 Resp: 340825

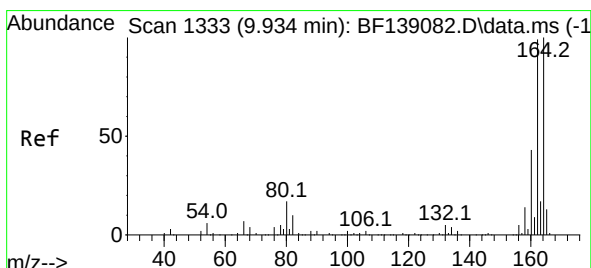
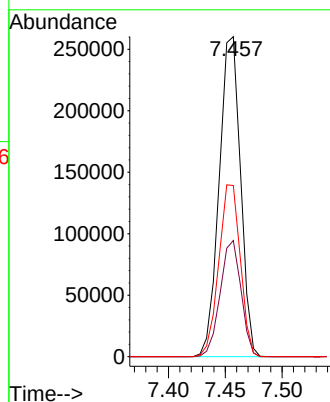
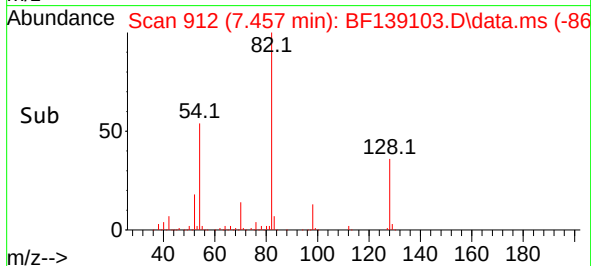
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.0	43.4
54	53.5	43.4	65.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1333

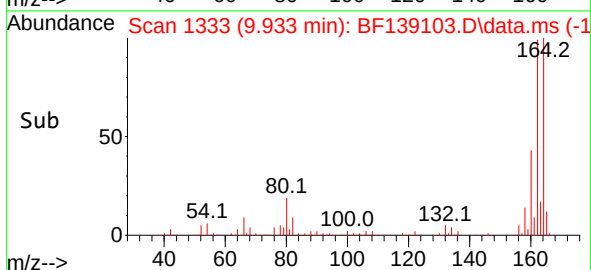
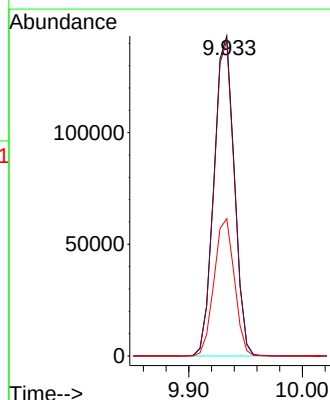
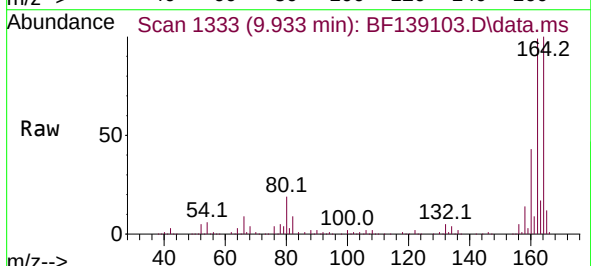
Delta R.T. -0.001 min

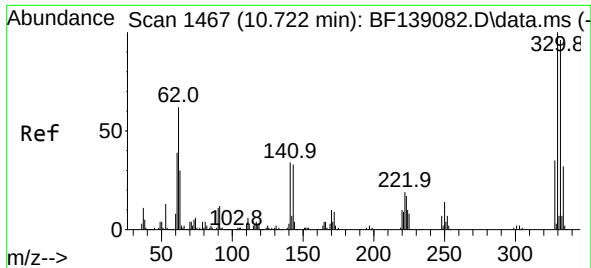
Lab File: BF139103.D

Acq: 21 Aug 2024 15:51

Tgt Ion:164 Resp: 177801

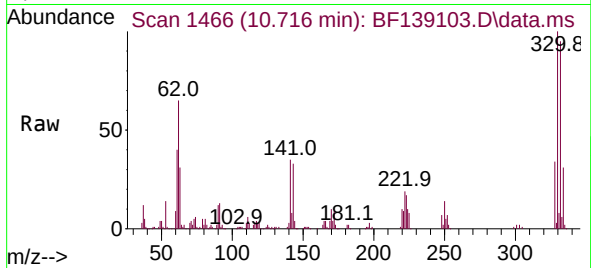
Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.5	119.3
160	42.9	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 76.032 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

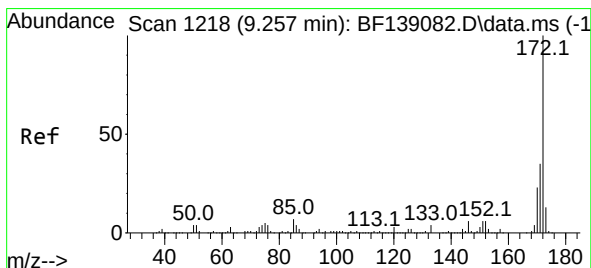
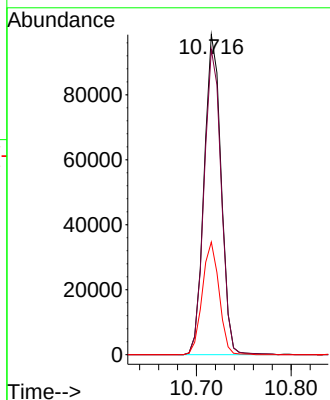
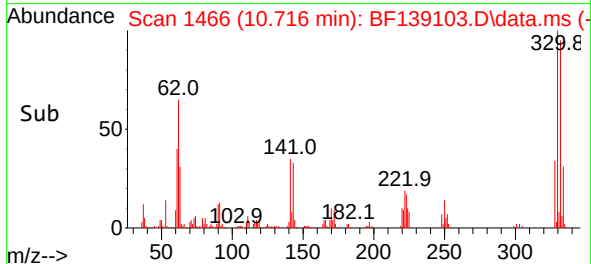
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624



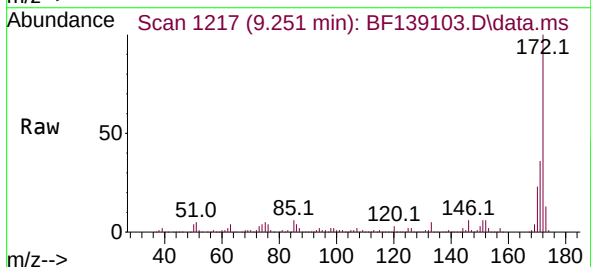
Tgt Ion: 330 Resp: 12238
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 34.8 27.5 41.3

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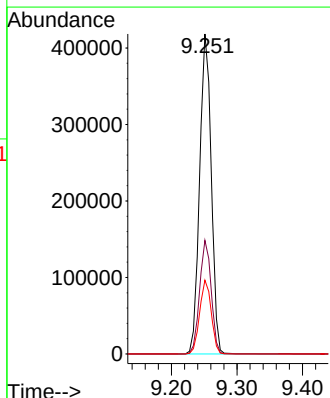
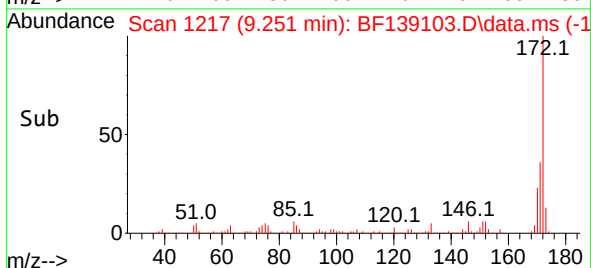
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

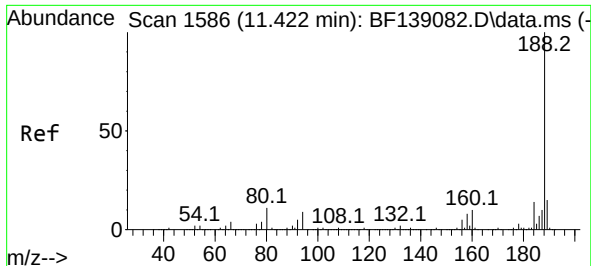


#45
2-Fluorobiphenyl
Concen: 46.199 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51



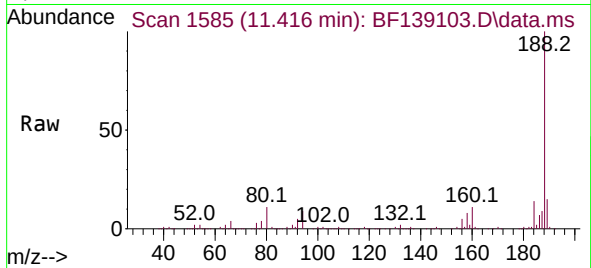
Tgt Ion: 172 Resp: 517723
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

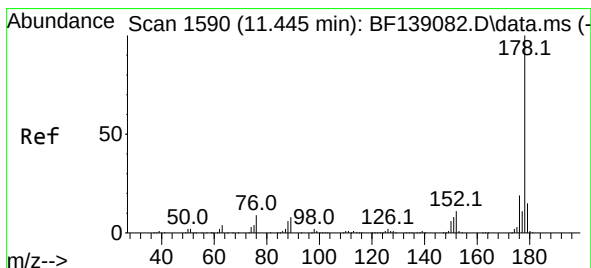
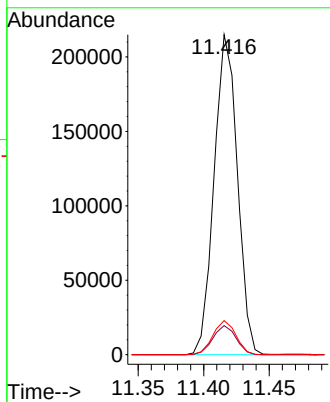
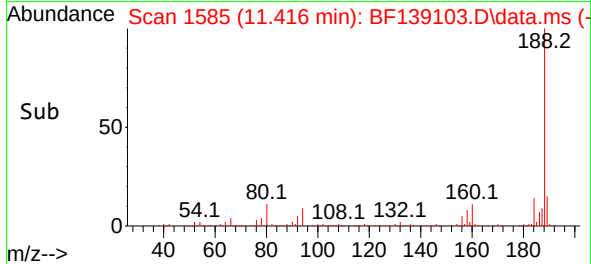
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624



Tgt Ion:188 Resp: 265235
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.7 8.5 12.7

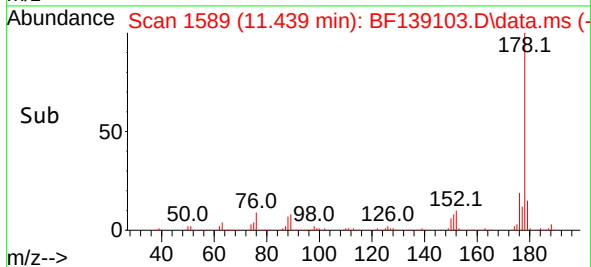
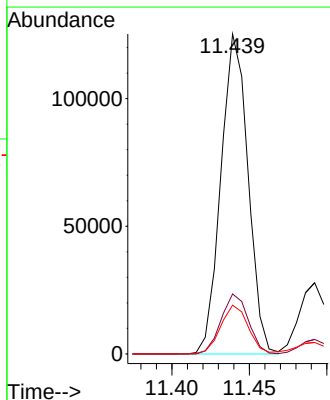
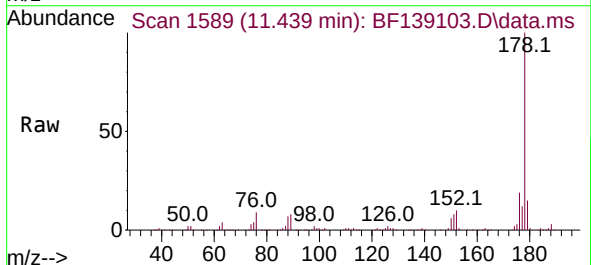
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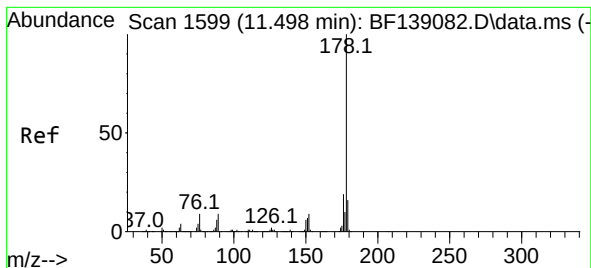
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#71
Phenanthrene
Concen: 11.322 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

Tgt Ion:178 Resp: 152636
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.2 12.3 18.5





#72

Anthracene

Concen: 2.620 ng

RT: 11.492 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF139103.D

Acq: 21 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0.5-1-081624

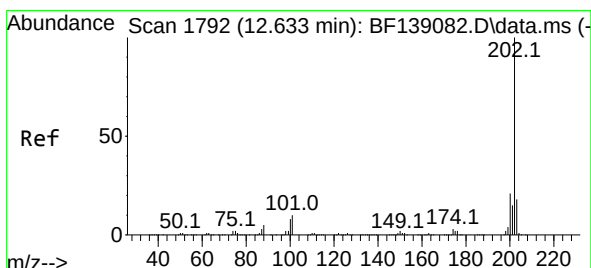
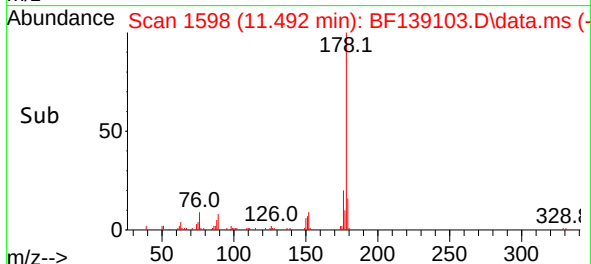
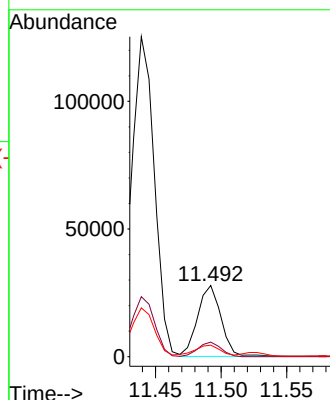
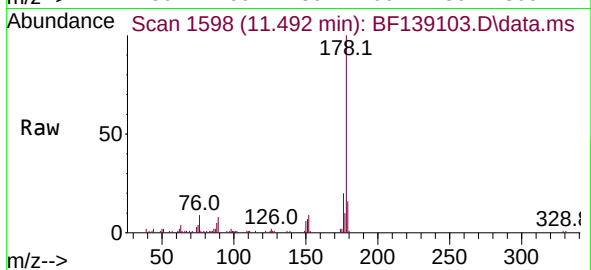
Tgt Ion:178	Resp:	3454
Ion Ratio	Lower	Upper
178	100	
176	20.5	15.0 22.4
179	16.2	12.4 18.6

Manual Integrations

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Supervised By :mohammad ahmed 08/23/2024



#75

Fluoranthene

Concen: 16.874 ng

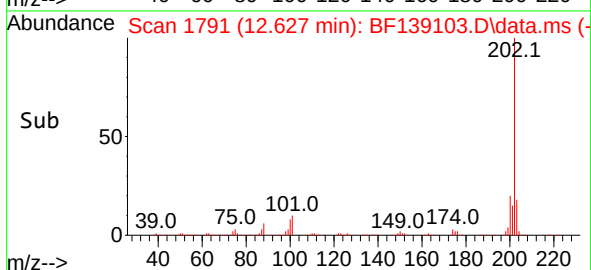
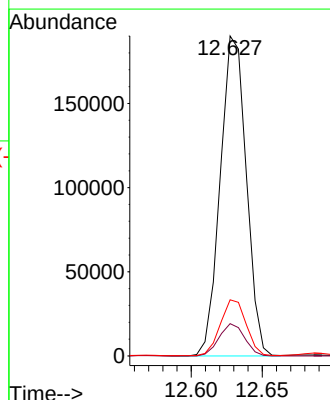
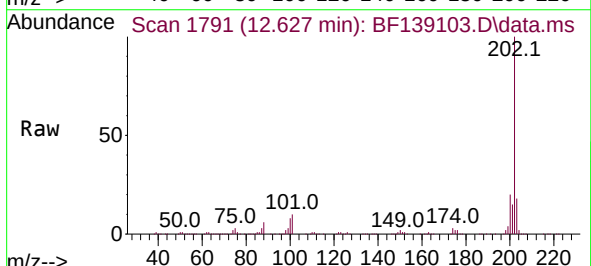
RT: 12.627 min Scan# 1791

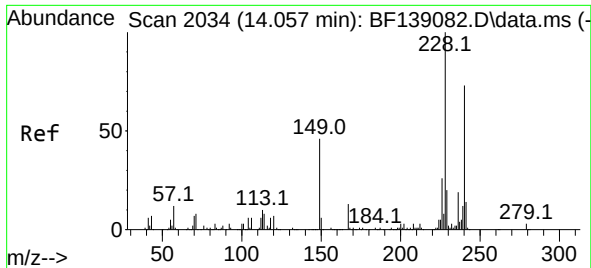
Delta R.T. -0.006 min

Lab File: BF139103.D

Acq: 21 Aug 2024 15:51

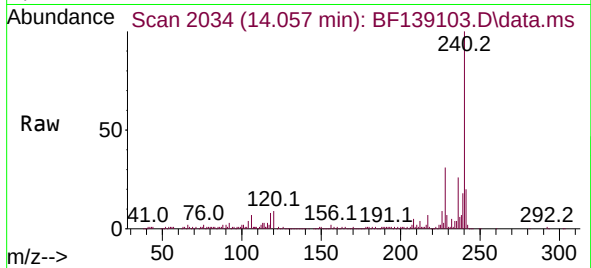
Tgt Ion:202	Resp:	242806
Ion Ratio	Lower	Upper
202	100	
101	10.1	0.0 30.2
203	17.5	0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

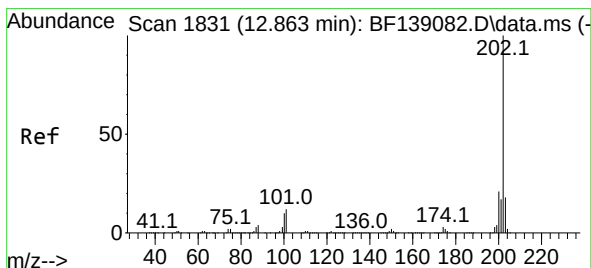
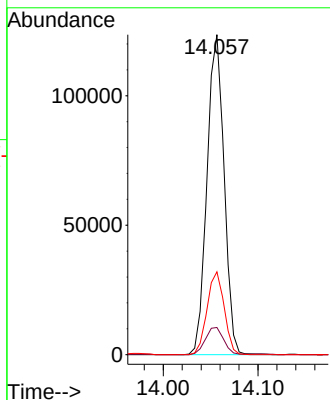
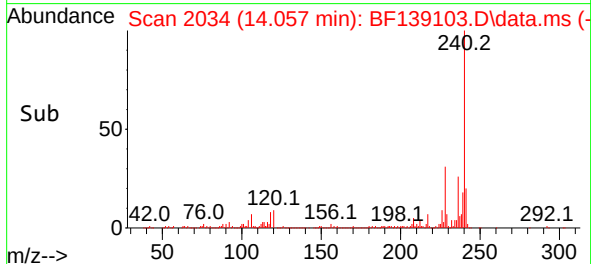
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624



Tgt Ion:240 Resp: 154529
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.9 20.9 31.3

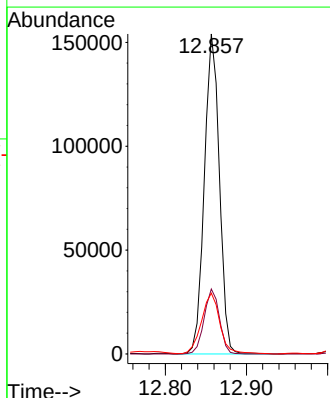
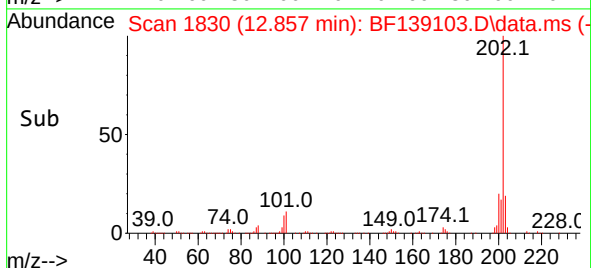
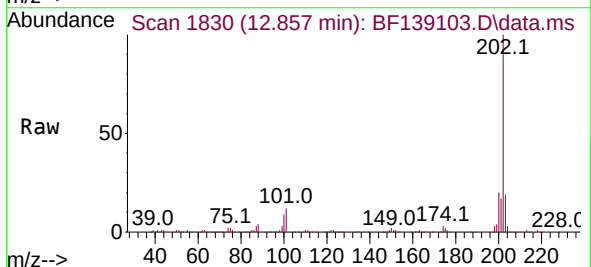
Manual Integrations
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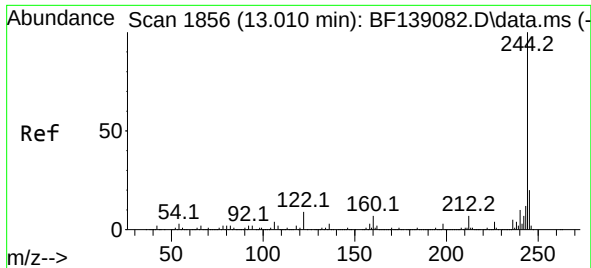
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#78
Pyrene
Concen: 15.341 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

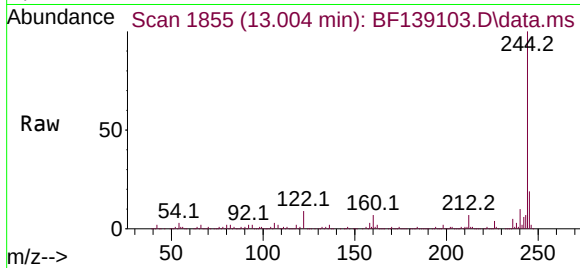
Tgt Ion:202 Resp: 197831
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 19.0 14.1 21.1





#79
 Terphenyl-d14
 Concen: 35.314 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139103.D
 Acq: 21 Aug 2024 15:51

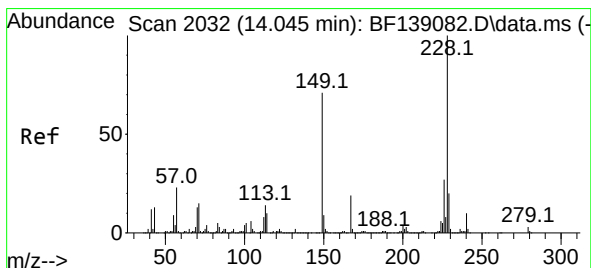
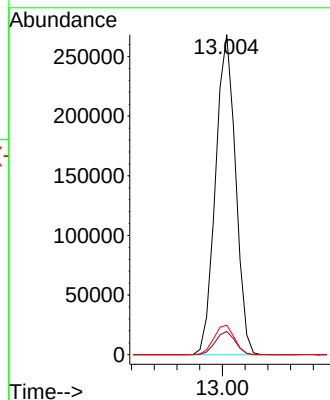
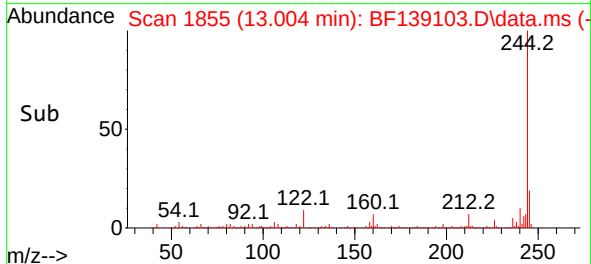
Instrument :
 BNA_F
 ClientSampleId :
 910-J-SD-0.5-1-081624



Tgt Ion:244 Resp: 328870
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.2 7.6 11.4

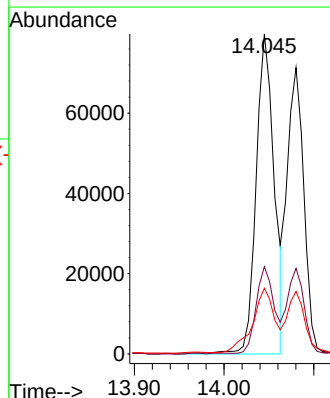
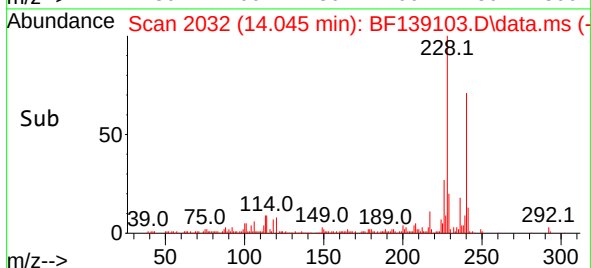
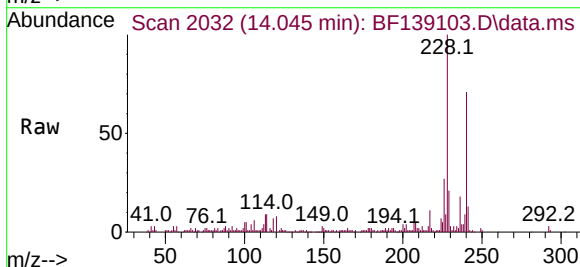
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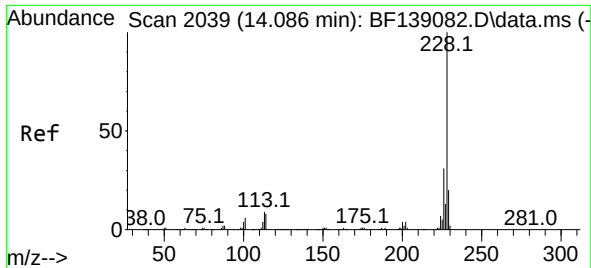
Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#81
 Benzo(a)anthracene
 Concen: 11.015 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF139103.D
 Acq: 21 Aug 2024 15:51

Tgt Ion:228 Resp: 111891
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.9 32.9
 229 20.5 16.1 24.1





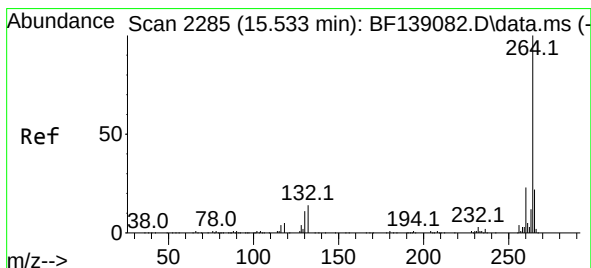
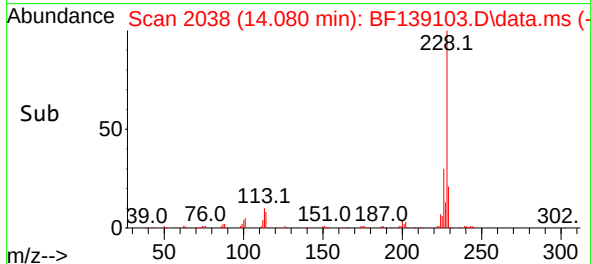
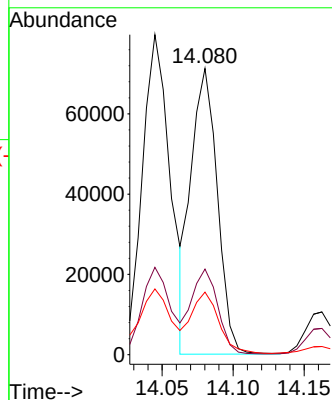
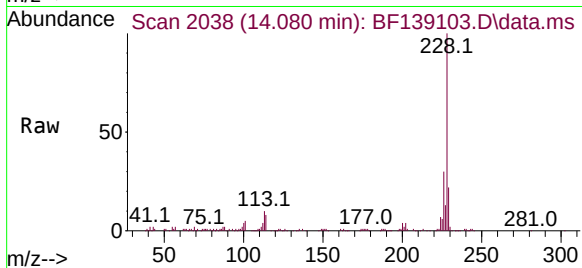
#83
Chrysene
Concen: 9.961 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624

Tgt Ion:228 Resp: 91711
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.9 15.8 23.8

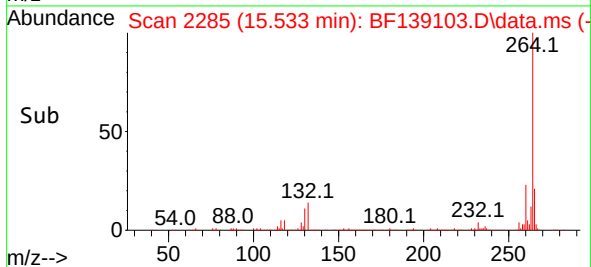
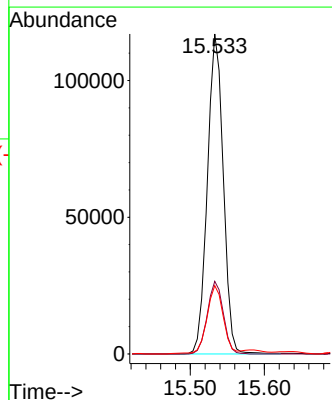
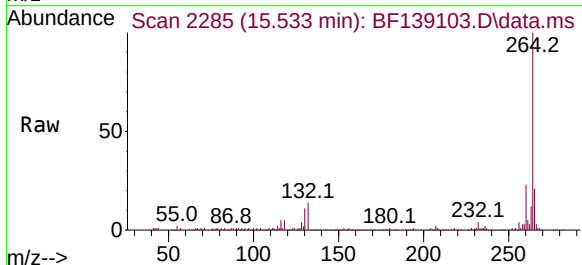
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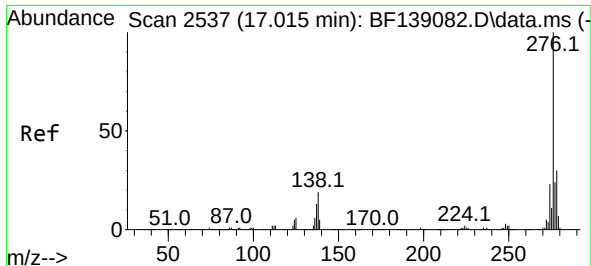
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

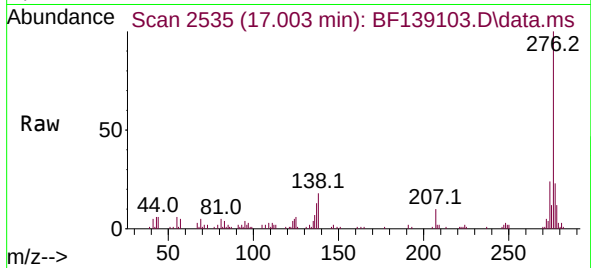
Tgt Ion:264 Resp: 174421
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.046 ng
RT: 17.003 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

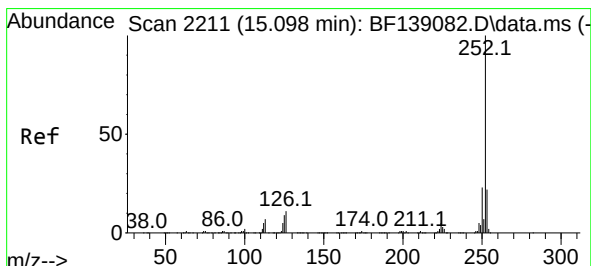
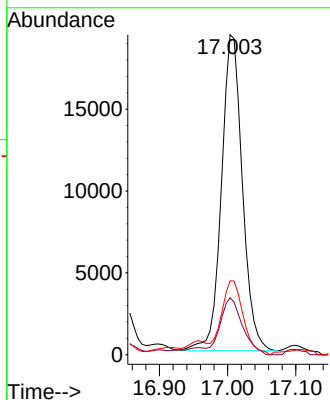
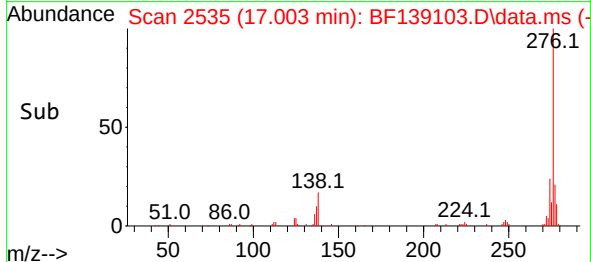
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0.5-1-081624



Tgt Ion: 276 Resp: 4129
Ion Ratio Lower Upper
276 100
138 19.0 17.3 25.9
277 24.1 20.2 30.4

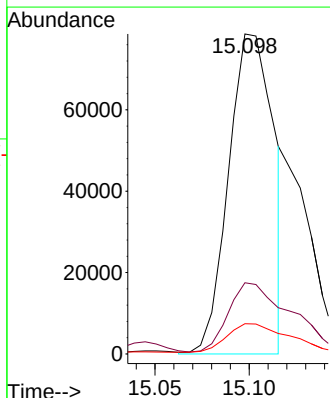
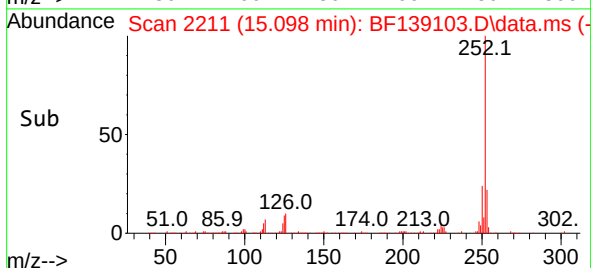
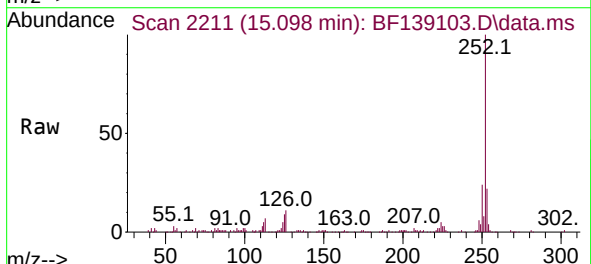
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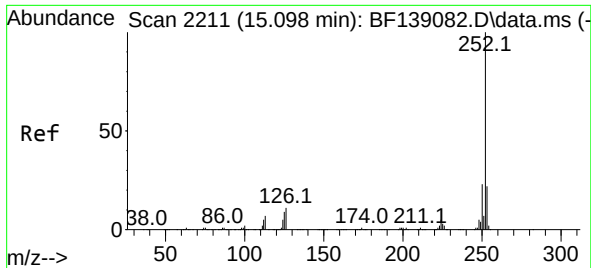
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#88
Benzo(b)fluoranthene
Concen: 11.576 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139103.D
Acq: 21 Aug 2024 15:51

Tgt Ion: 252 Resp: 131628
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.5 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 5.152 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139103.D

Acq: 21 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0.5-1-081624

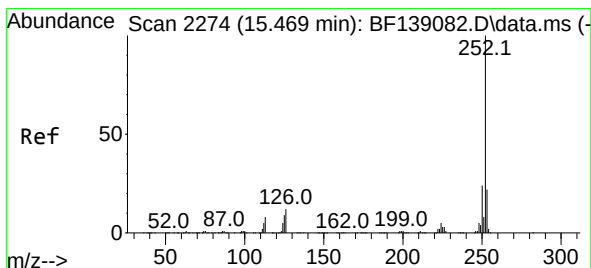
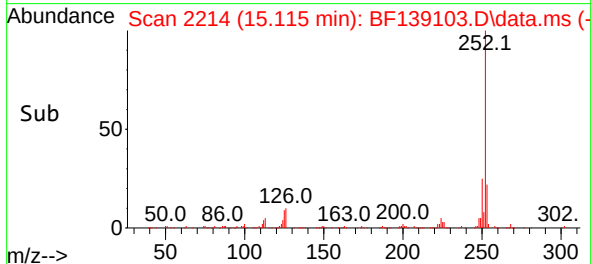
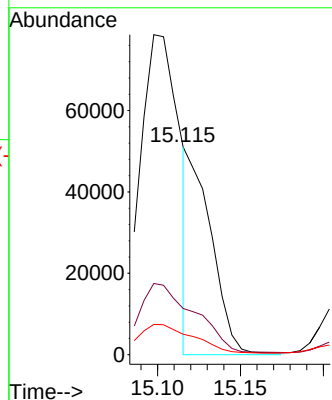
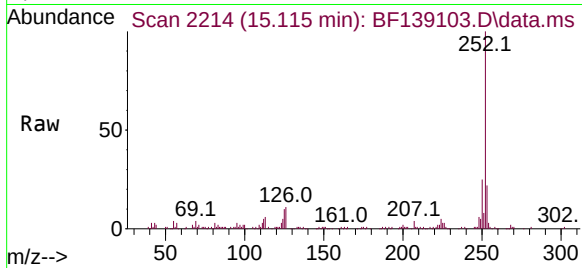
Tgt Ion:252	Resp:	48792
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.4 26.2
125	9.9	7.0 10.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/23/2024



#90

Benzo(a)pyrene

Concen: 10.387 ng

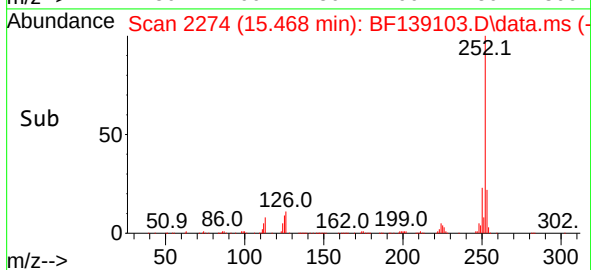
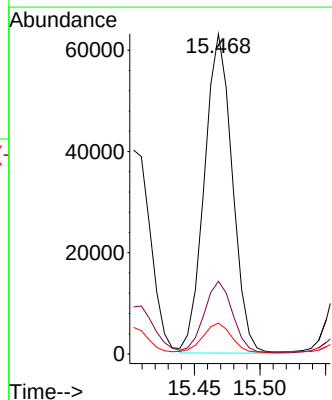
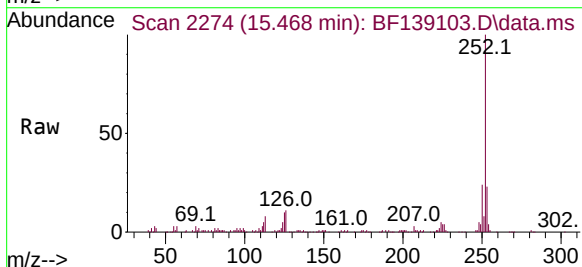
RT: 15.468 min Scan# 2274

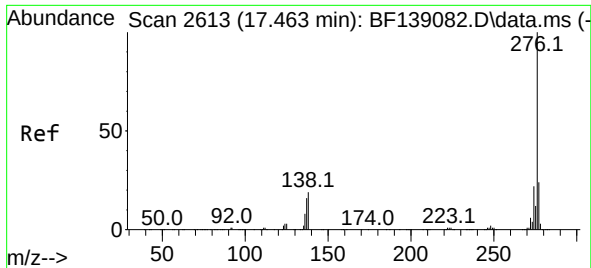
Delta R.T. -0.000 min

Lab File: BF139103.D

Acq: 21 Aug 2024 15:51

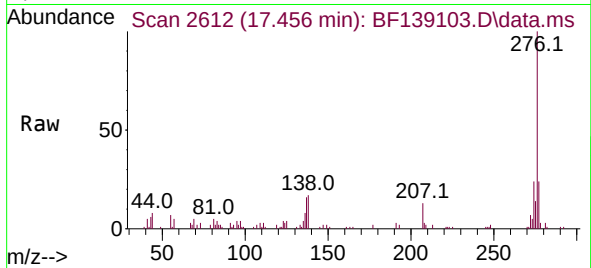
Tgt Ion:252	Resp:	93328
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.3 25.9
125	9.6	7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.298 ng
 RT: 17.456 min Scan# 20
 Delta R.T. -0.007 min
 Lab File: BF139103.D
 Acq: 21 Aug 2024 15:51

Instrument :
 BNA_F
 ClientSampleId :
 910-J-SD-0.5-1-081624



Tgt Ion: 276 Resp: 35619
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.8 28.2
 138 17.5 15.0 22.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

