

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139098.D
 Acq On : 21 Aug 2024 13:21
 Operator : RC/JU
 Sample : P3660-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-906-J-0-0.5-081624

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 13:46:38 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	6.892	152	96486	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	365290	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	205405	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	315424	20.000	ng	0.00
76) Chrysene-d12	14.051	240	168459	20.000	ng	0.00
86) Perylene-d12	15.527	264	213064	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	472530	75.347	ng	0.00
7) Phenol-d6	6.516	99	628256	77.530	ng	0.00
23) Nitrobenzene-d5	7.451	82	402784	64.251	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	137026	73.690	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	551608	42.608	ng	0.00
79) Terphenyl-d14	12.998	244	357505	35.214	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	39774	2.481	ng	99
75) Fluoranthene	12.627	202	80535	4.706	ng	98
78) Pyrene	12.851	202	64568	4.593	ng	97
81) Benzo(a)anthracene	14.039	228	29850	2.696	ng	97
83) Chrysene	14.074	228	32071	3.195	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	20549	3.187	ng	98
88) Benzo(b)fluoranthene	15.098	252	50300m	3.621	ng	
90) Benzo(a)pyrene	15.462	252	32936	3.001	ng	97
92) Benzo(g,h,i)perylene	17.445	276	19534	4.367	ng	98

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

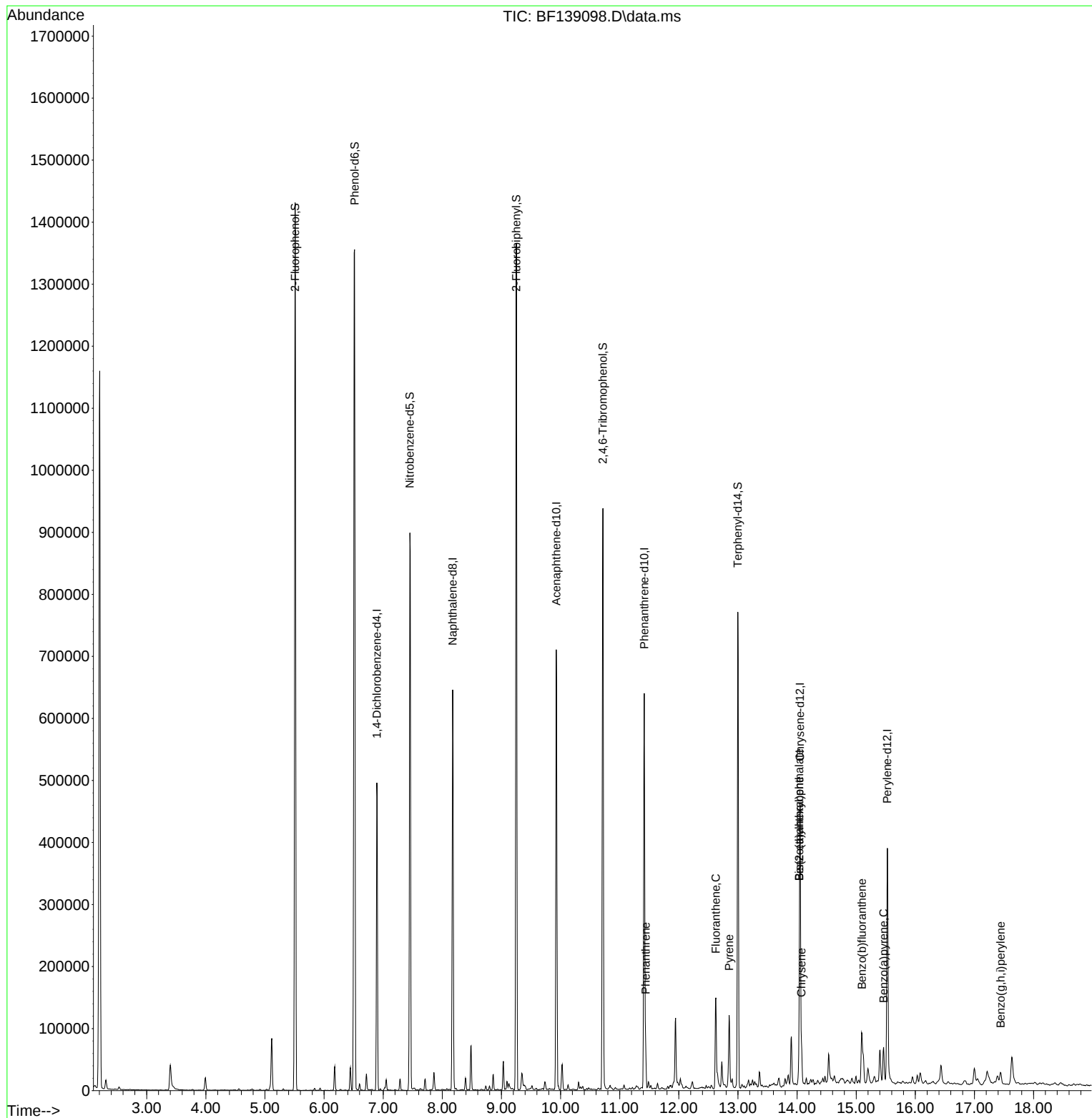
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
Data File : BF139098.D
Acq On : 21 Aug 2024 13:21
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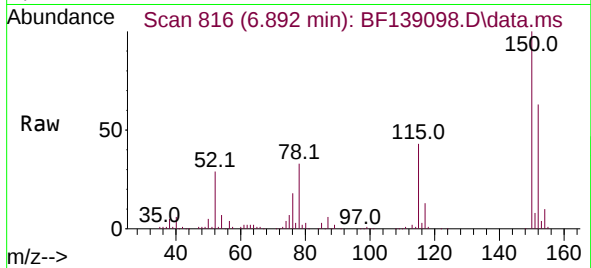
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.007 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

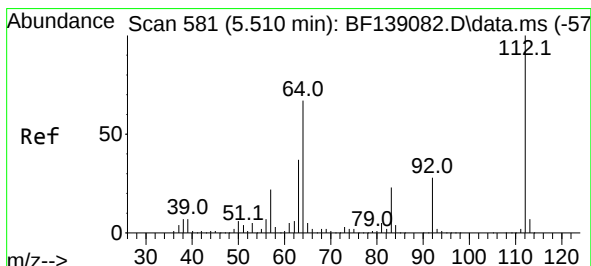
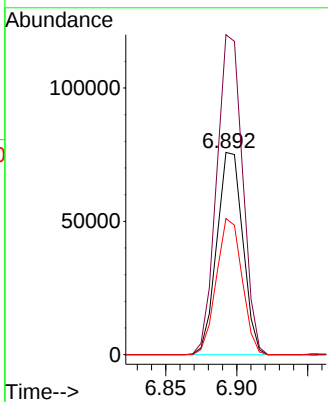
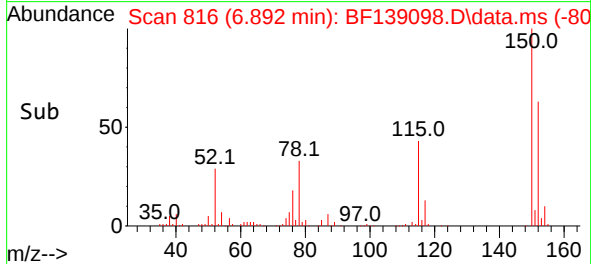
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:152 Resp: 96480
Ion Ratio Lower Upper
152 100
150 158.2 125.1 187.7
115 67.3 51.8 77.6

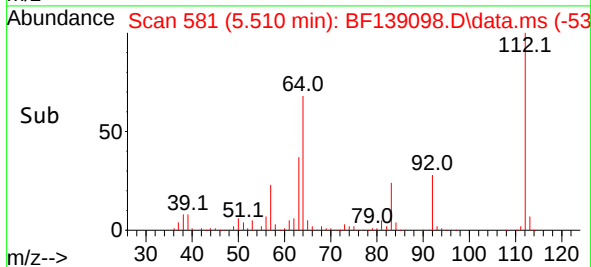
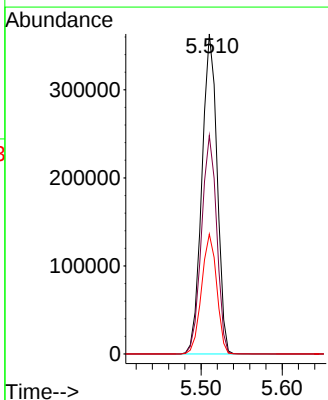
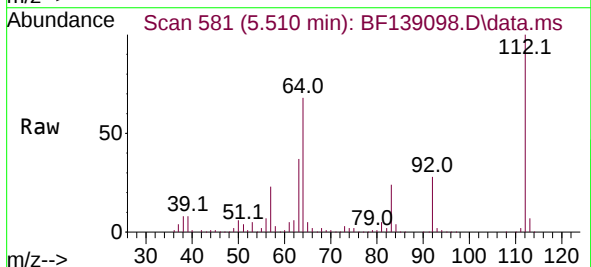
Manual Integrations
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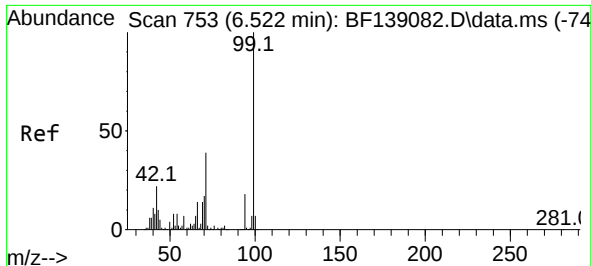
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#5
2-Fluorophenol
Concen: 75.347 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

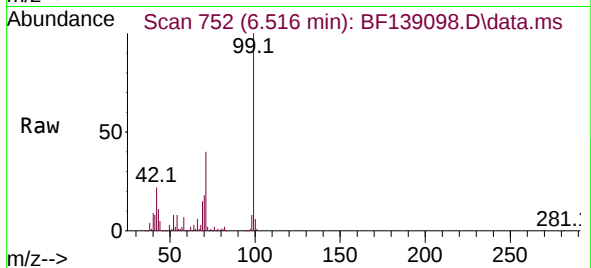
Tgt Ion:112 Resp: 472530
Ion Ratio Lower Upper
112 100
64 68.2 53.8 80.6
63 37.5 29.4 44.2





#7
Phenol-d6
Concen: 77.530 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

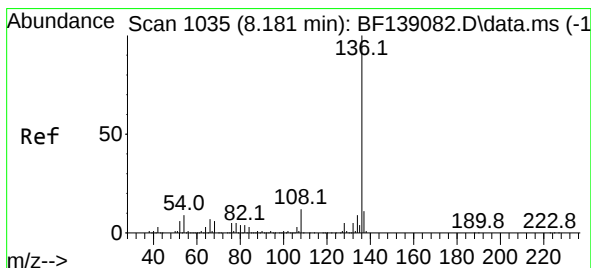
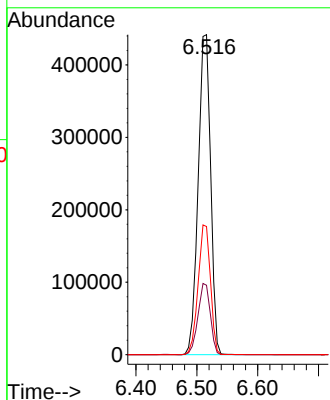
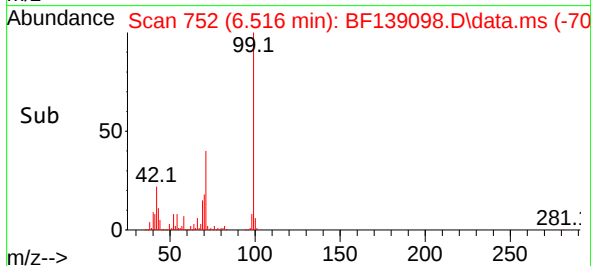
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion: 99 Resp: 628250
Ion Ratio Lower Upper
99 100
42 21.7 17.4 26.2
71 40.1 31.2 46.8

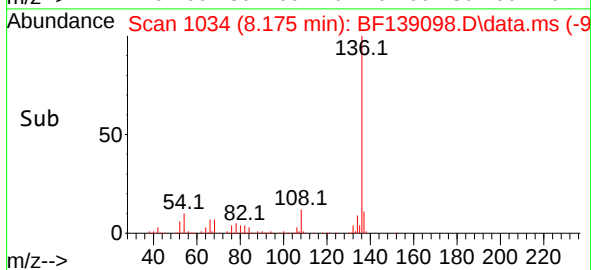
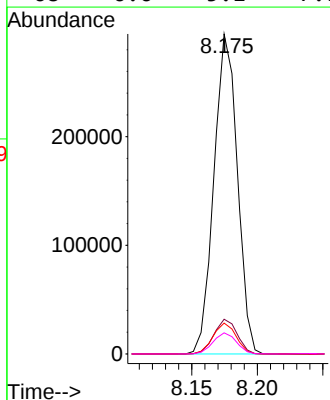
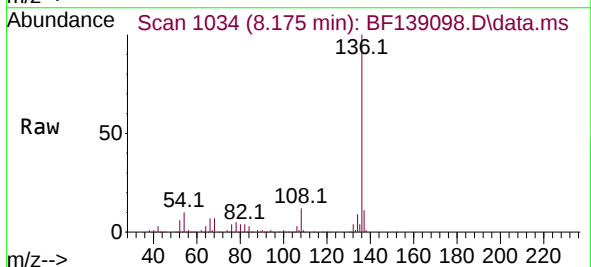
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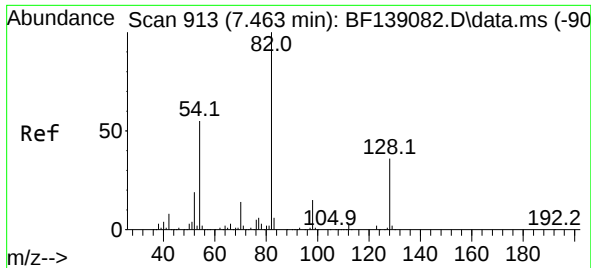
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

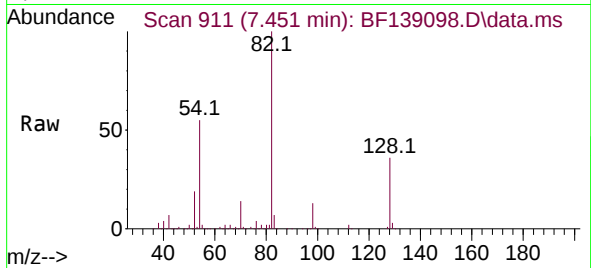
Tgt Ion:136 Resp: 365290
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.7 7.6 11.4
68 6.6 5.1 7.7





#23
Nitrobenzene-d5
Concen: 64.251 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

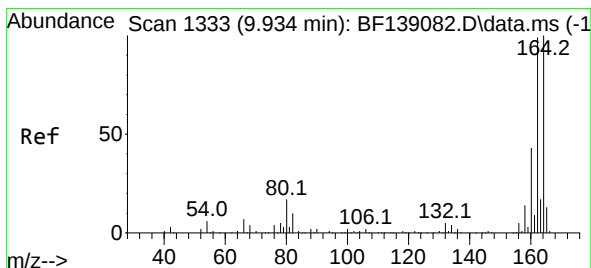
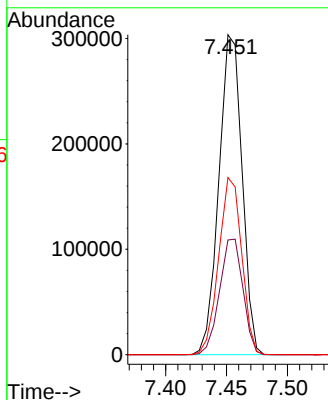
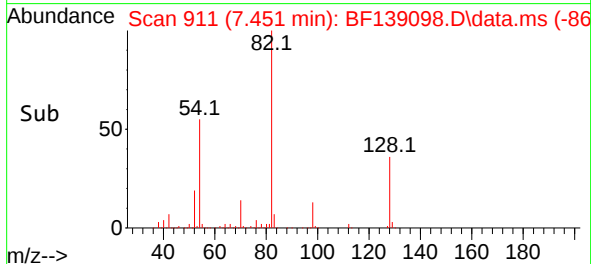
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion: 82 Resp: 402784
Ion Ratio Lower Upper
82 100
128 35.9 29.0 43.4
54 55.4 43.4 65.2

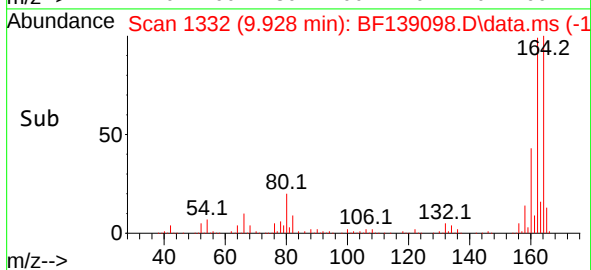
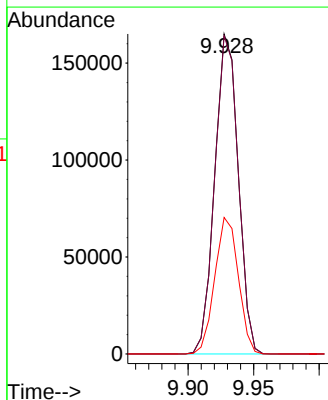
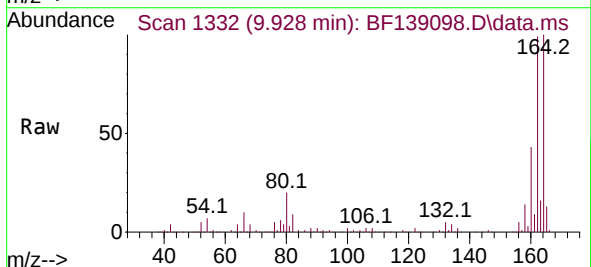
Manual Integrations
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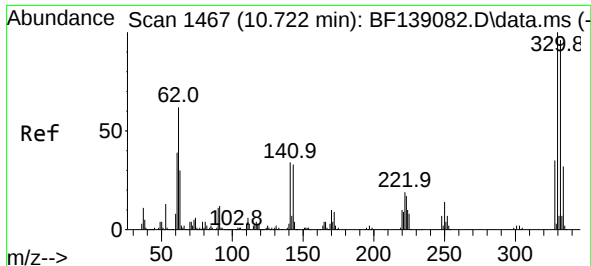
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

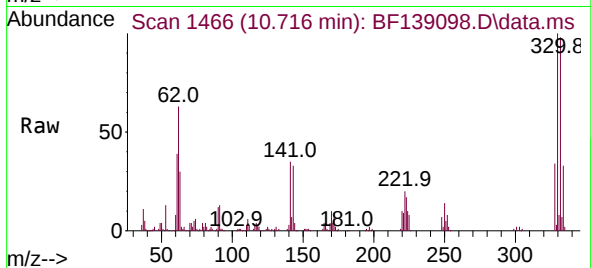
Tgt Ion:164 Resp: 205405
Ion Ratio Lower Upper
164 100
162 99.4 79.5 119.3
160 42.6 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 73.690 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

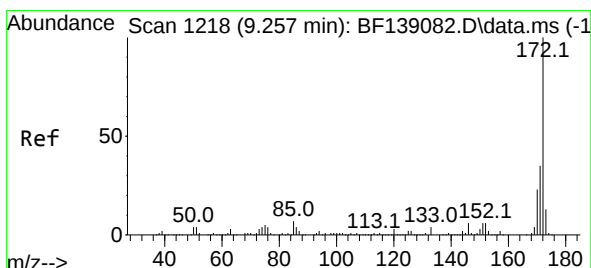
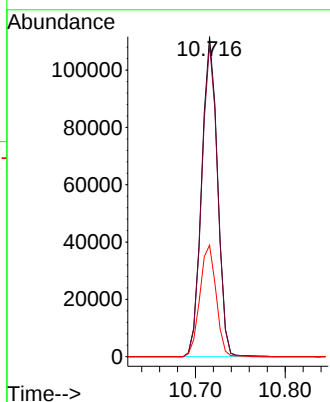
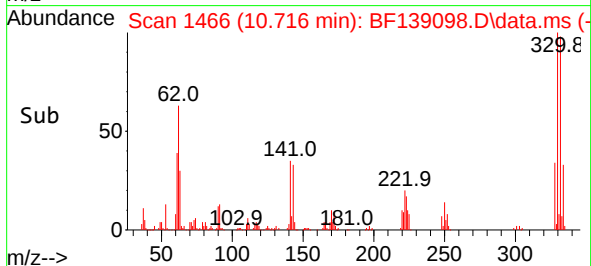
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion: 330 Resp: 137020
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 35.6 27.5 41.3

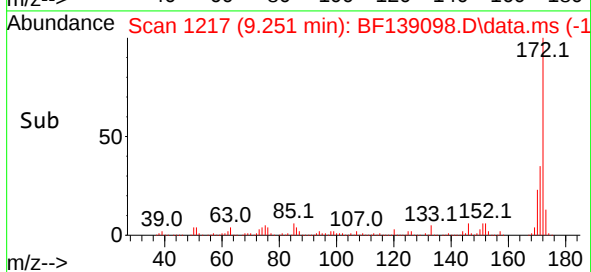
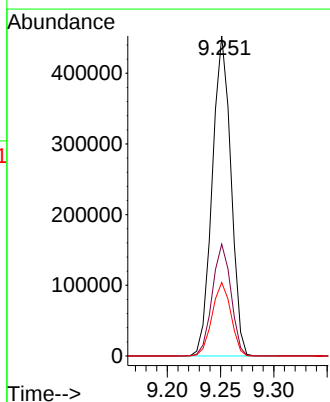
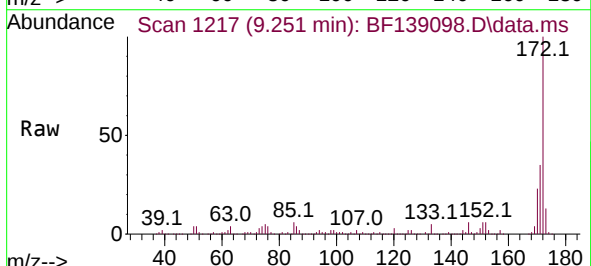
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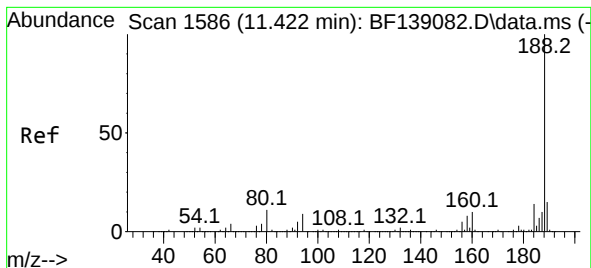
Reviewed By : Yogesh Patel 08/22/2024
Supervised By : mohammad ahmed 08/23/2024



#45
2-Fluorobiphenyl
Concen: 42.608 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

Tgt Ion: 172 Resp: 551608
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.0 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: BF139098.D

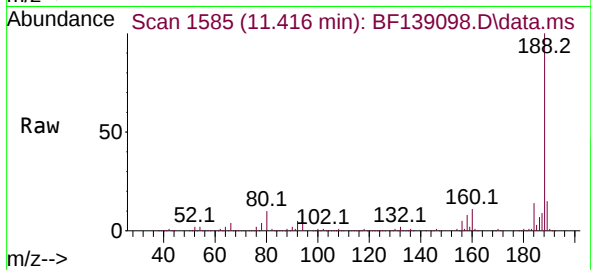
Acq: 21 Aug 2024 13:21

Instrument :

BNA_F

ClientSampleId :

S-906-J-0-0.5-081624



Tgt Ion:188 Resp: 315424

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

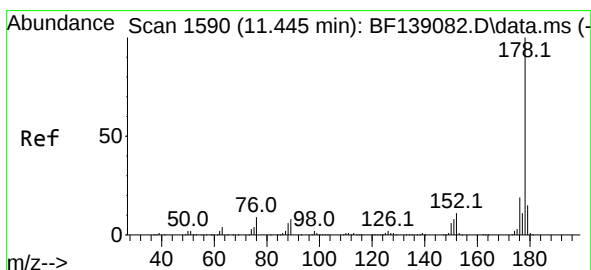
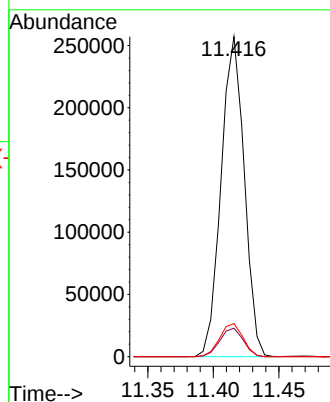
80 10.4 8.5 12.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/23/2024



#71

Phenanthrene

Concen: 2.481 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF139098.D

Acq: 21 Aug 2024 13:21

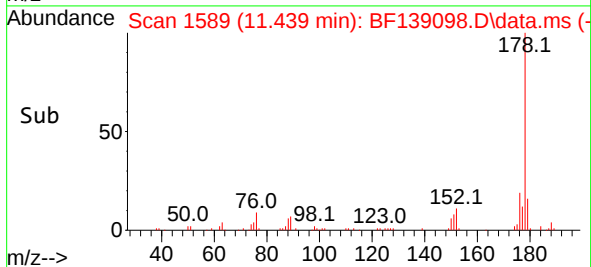
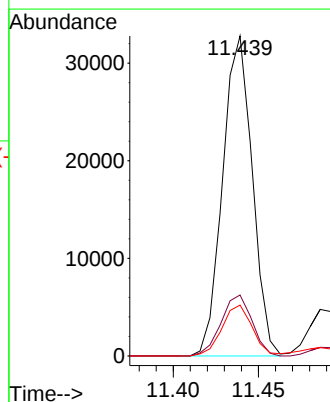
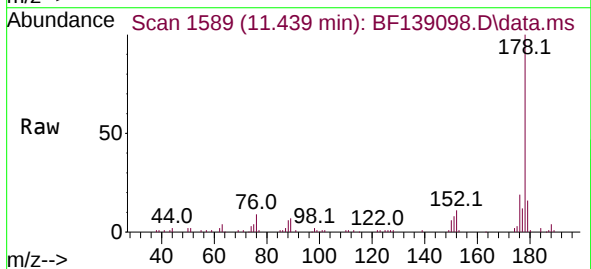
Tgt Ion:178 Resp: 39774

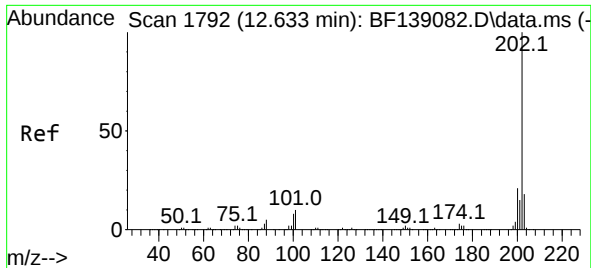
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

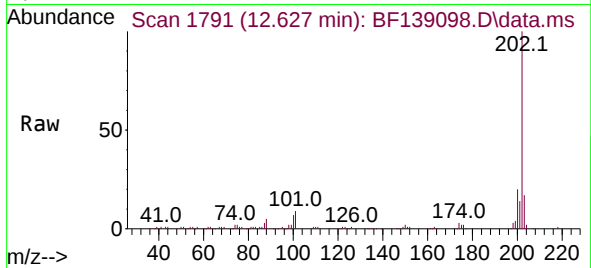
179 15.9 12.3 18.5





#75
Fluoranthene
Concen: 4.706 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

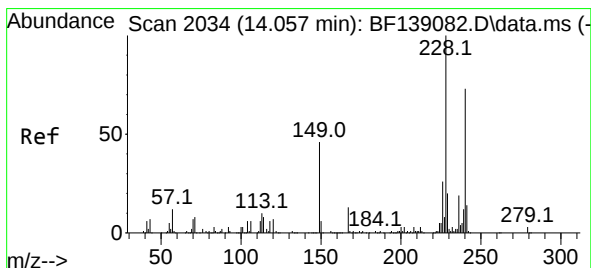
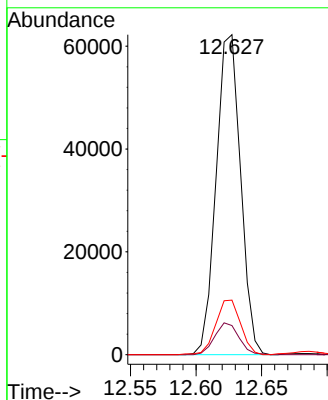
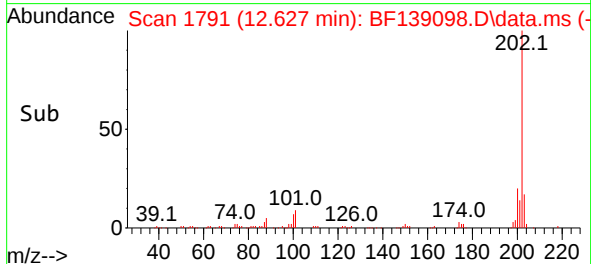
Instrument :
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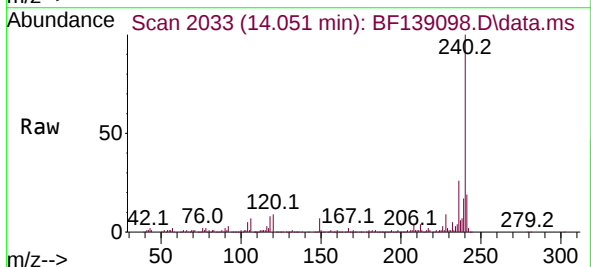
Tgt Ion:202 Resp: 8053
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.2
203 17.0 0.0 37.6

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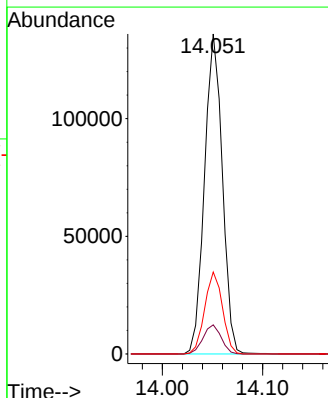
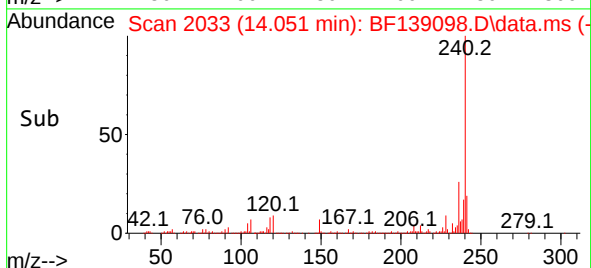
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

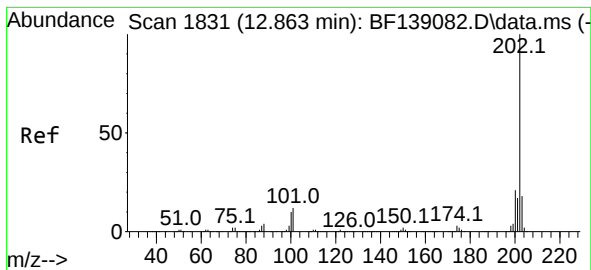


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21



Tgt Ion:240 Resp: 168459
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.6
236 25.6 20.9 31.3





#78

Pyrene

Concen: 4.593 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF139098.D

Acq: 21 Aug 2024 13:21

Instrument :

BNA_F

ClientSampleId :

S-906-J-0-0.5-081624

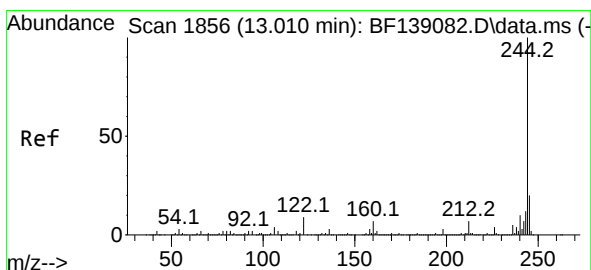
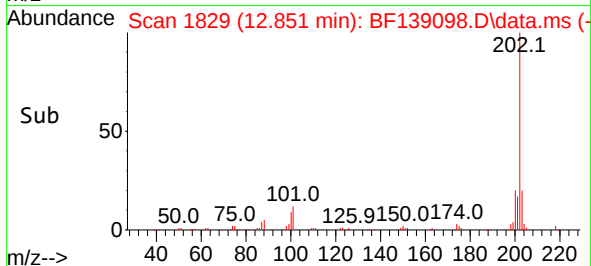
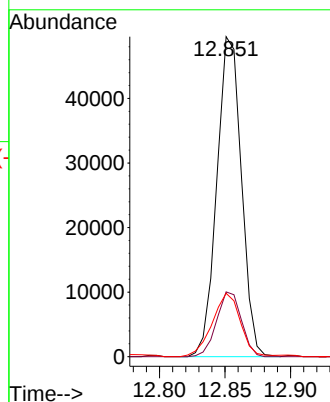
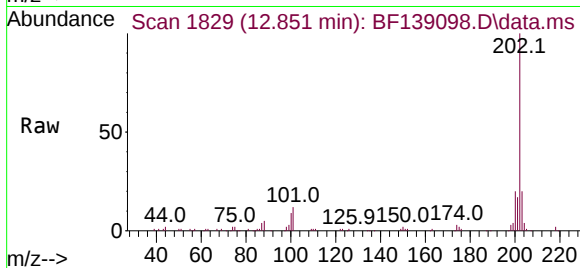
Tgt Ion:	202	Resp:	6456
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.0	25.6
203	19.8	14.1	21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 35.214 ng

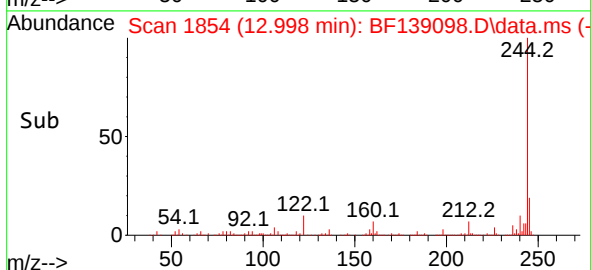
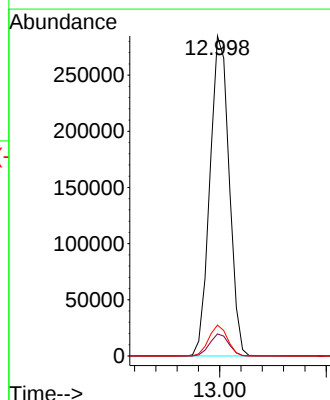
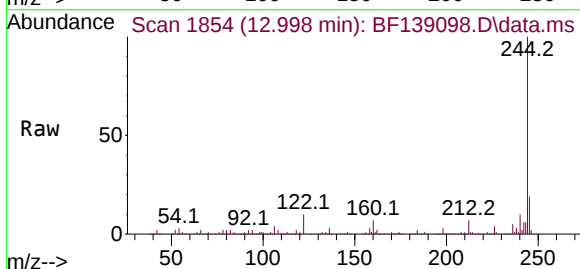
RT: 12.998 min Scan# 1854

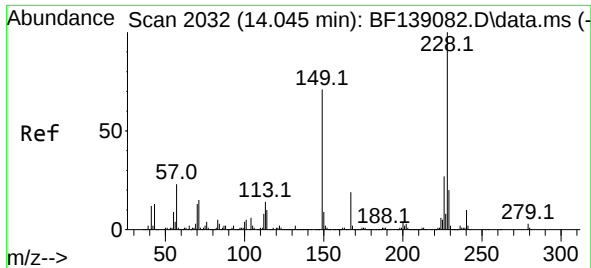
Delta R.T. -0.012 min

Lab File: BF139098.D

Acq: 21 Aug 2024 13:21

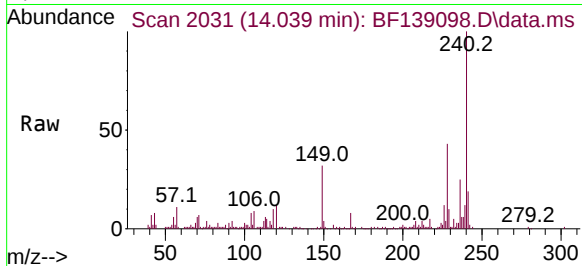
Tgt Ion:	244	Resp:	357505
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	9.7	7.6	11.4





#81
Benzo(a)anthracene
Concen: 2.696 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

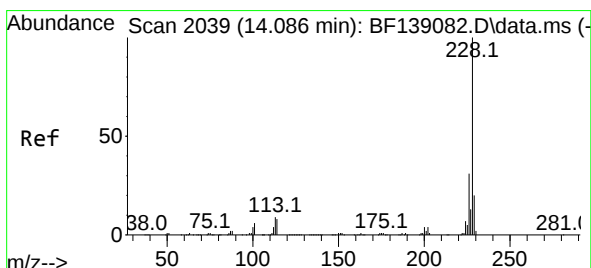
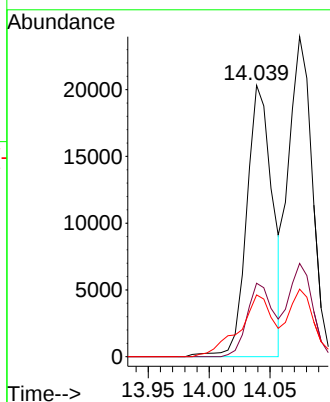
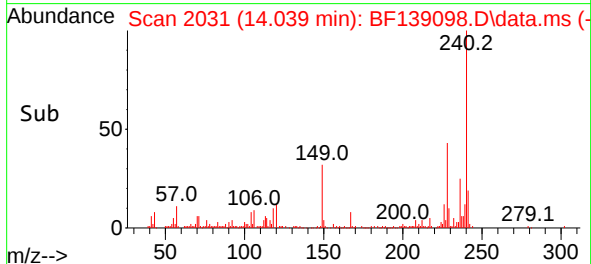
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:228 Resp: 29850
Ion Ratio Lower Upper
228 100
226 27.1 21.9 32.9
229 22.7 16.1 24.1

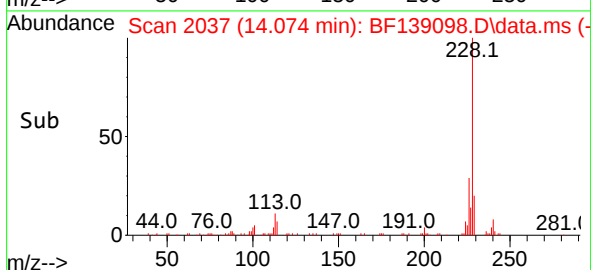
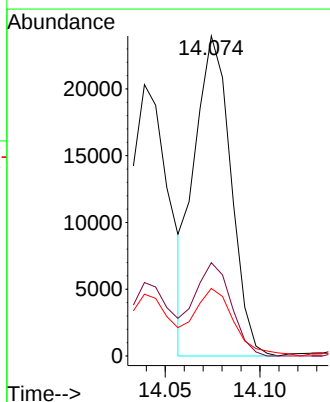
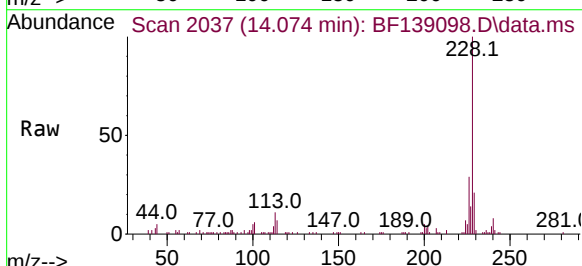
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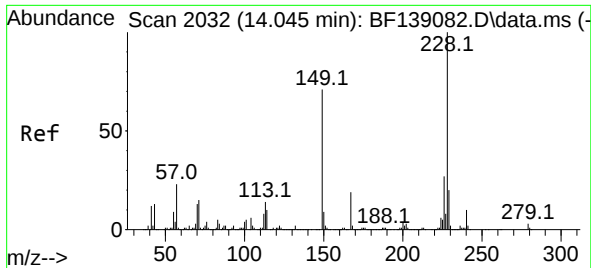
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#83
Chrysene
Concen: 3.195 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

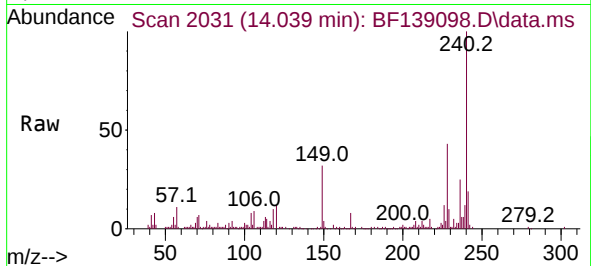
Tgt Ion:228 Resp: 32071
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 21.1 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.187 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

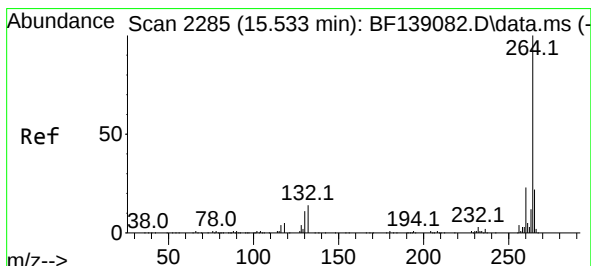
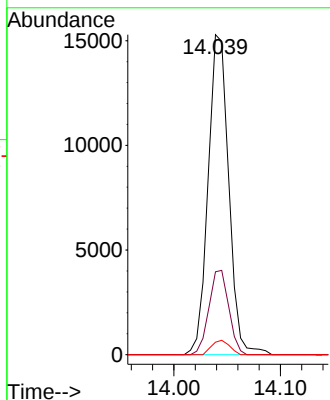
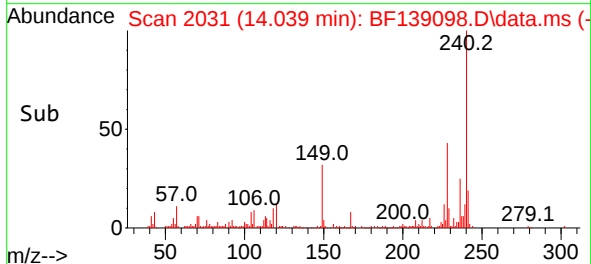
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



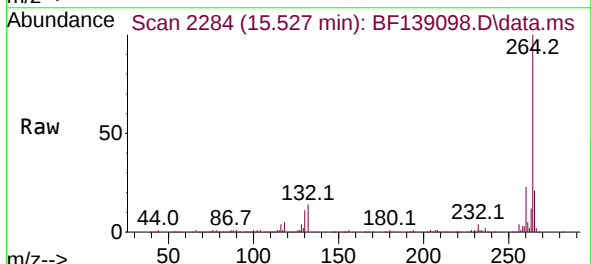
Tgt Ion:149 Resp: 20549
Ion Ratio Lower Upper
149 100
167 25.9 21.8 32.6
279 3.9 3.5 5.3

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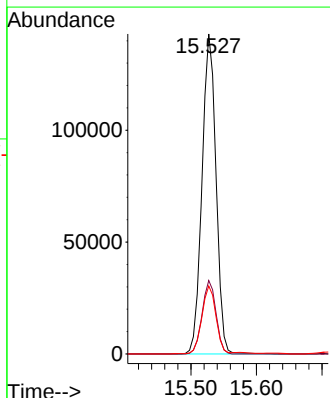
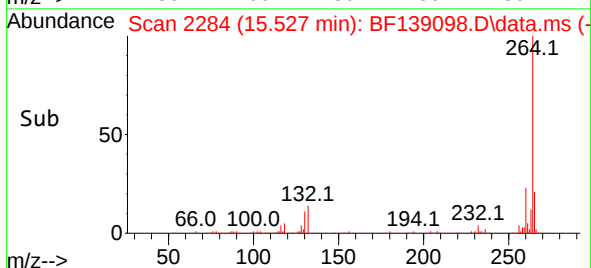
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

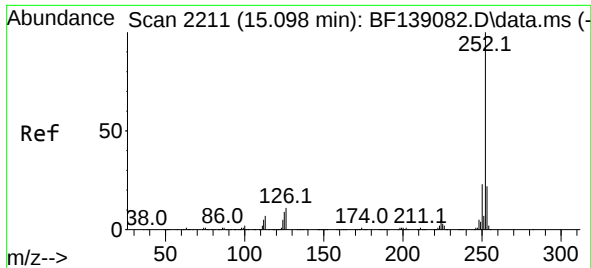


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21



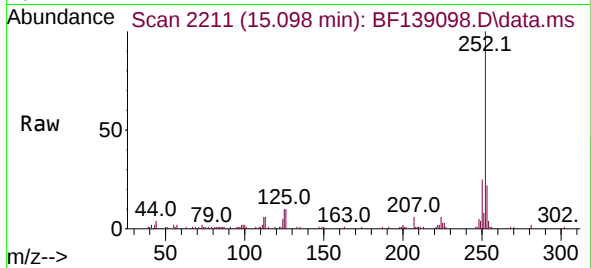
Tgt Ion:264 Resp: 213064
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.3 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 3.621 ng m
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

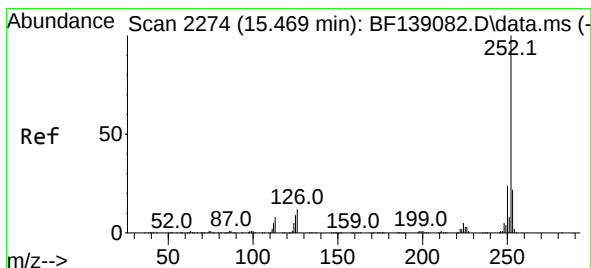
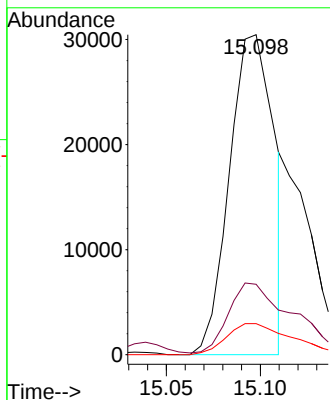
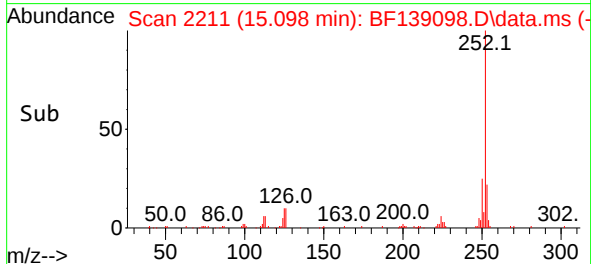
Instrument :
BNA_F
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:252 Resp: 50300
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.7 7.0 10.6

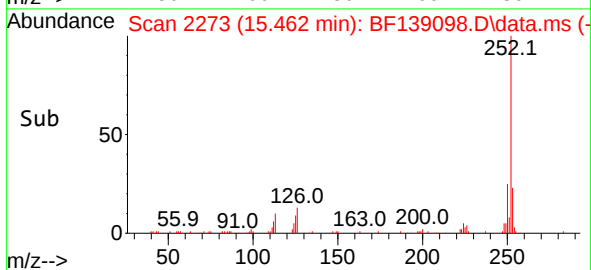
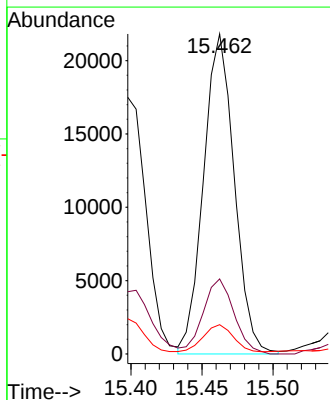
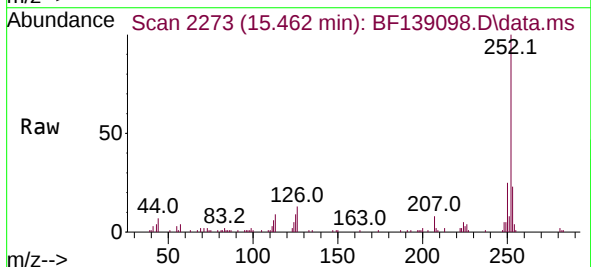
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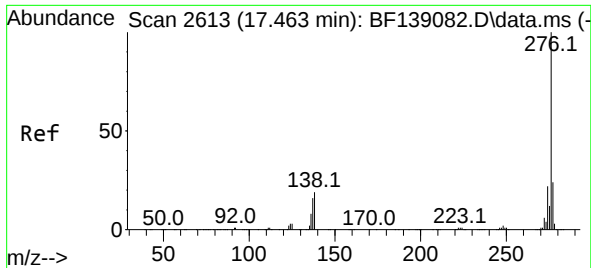
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#90
Benzo(a)pyrene
Concen: 3.001 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139098.D
Acq: 21 Aug 2024 13:21

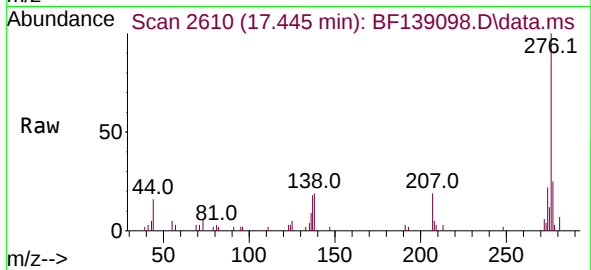
Tgt Ion:252 Resp: 32936
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 9.2 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.367 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF139098.D
 Acq: 21 Aug 2024 13:21

Instrument :
 BNA_F
 ClientSampleId :
 S-906-J-0-0.5-081624



Tgt Ion:	276	Resp:	19534
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.8	28.2
138	18.8	15.0	22.4

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

