

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139135.D
 Acq On : 22 Aug 2024 21:20
 Operator : RC/JU
 Sample : P3671-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 00:37:14 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	85247	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	279964	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	126845	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	218265	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157920	20.000	ng	0.00
86) Perylene-d12	15.533	264	125372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	540599	97.566	ng	0.01
7) Phenol-d6	6.522	99	687826	96.072	ng	0.00
23) Nitrobenzene-d5	7.457	82	437128	90.981	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	130430	113.584	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	571922	71.537	ng	0.00
79) Terphenyl-d14	13.004	244	600234	63.068	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	64466	5.811	ng	99
75) Fluoranthene	12.633	202	154930	13.084	ng	99
78) Pyrene	12.857	202	121881	9.248	ng	98
81) Benzo(a)anthracene	14.045	228	51485	4.960	ng	96
83) Chrysene	14.080	228	51238	5.445	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	21252	2.896	ng	97
88) Benzo(b)fluoranthene	15.104	252	52814m	6.462	ng	
89) Benzo(k)fluoranthene	15.116	252	22013m	3.234	ng	
90) Benzo(a)pyrene	15.468	252	33236	5.146	ng	96
92) Benzo(g,h,i)perylene	17.462	276	20818	5.644	ng	97

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

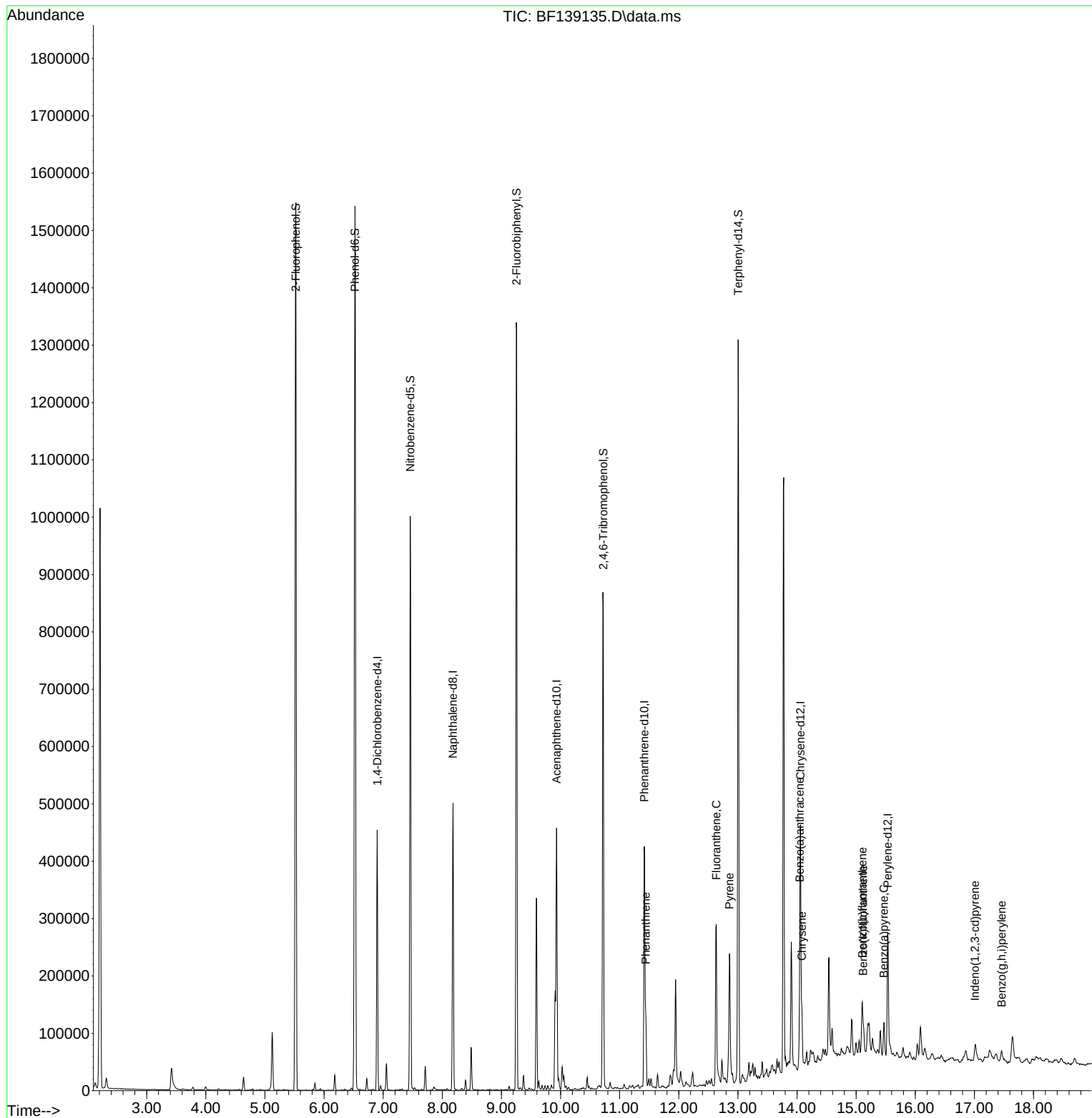
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139135.D
Acq On : 22 Aug 2024 21:20
Operator : RC/JU
Sample : P3671-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

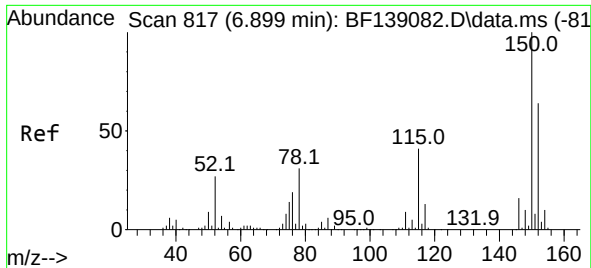
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 00:37:14 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

Manual Integrations
APPROVED

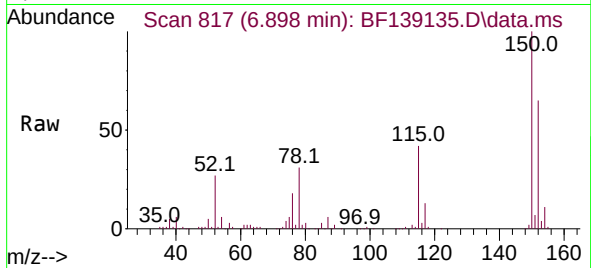
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

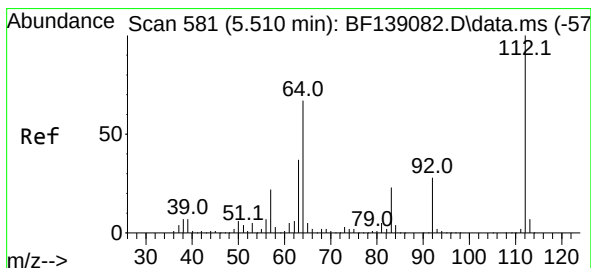
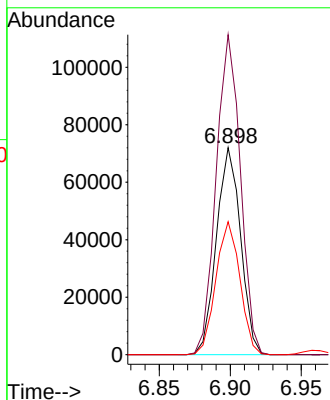
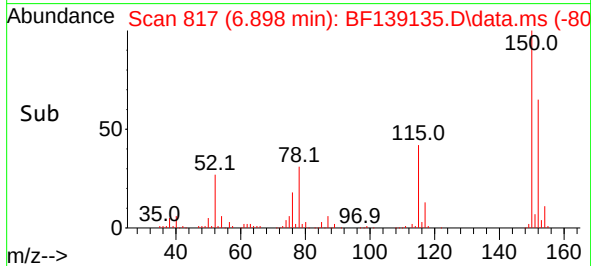
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:152 Resp: 8524
Ion Ratio Lower Upper
152 100
150 154.6 125.1 187.7
115 64.2 51.8 77.6

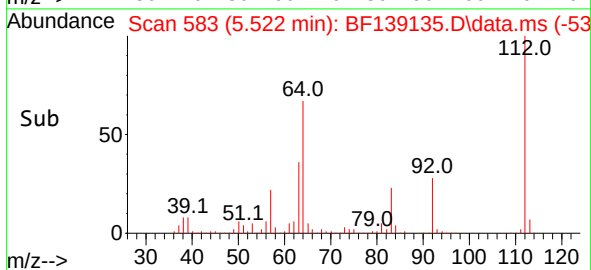
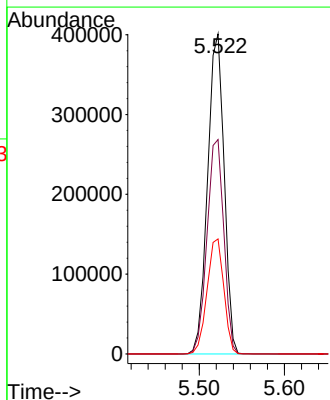
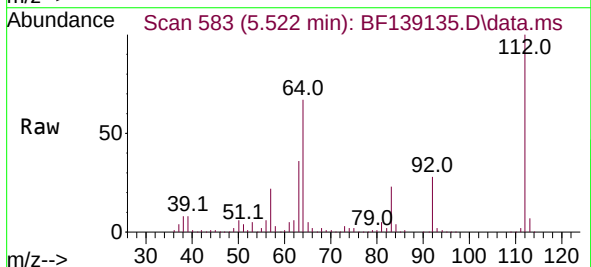
Manual Integrations
APPROVED

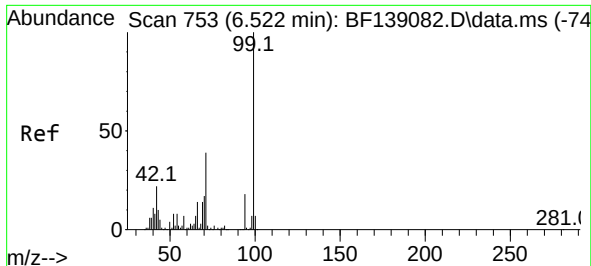
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#5
2-Fluorophenol
Concen: 97.566 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

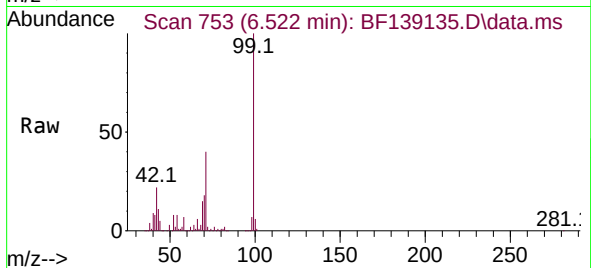
Tgt Ion:112 Resp: 540599
Ion Ratio Lower Upper
112 100
64 67.0 53.8 80.6
63 35.9 29.4 44.2





#7
Phenol-d6
Concen: 96.072 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

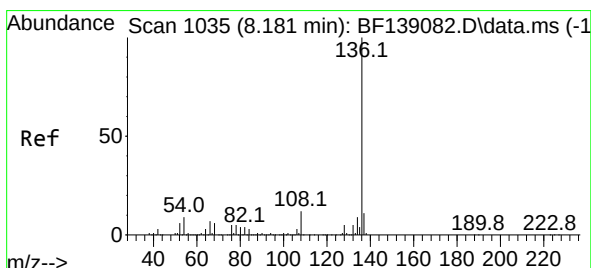
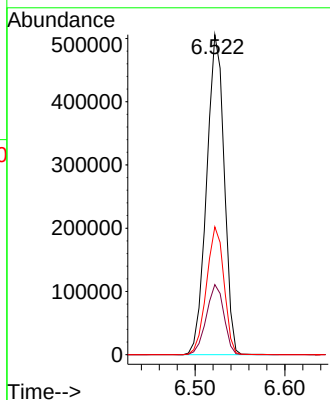
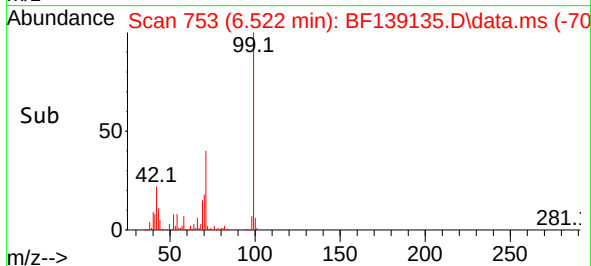
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion: 99 Resp: 687820
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.0 31.2 46.8

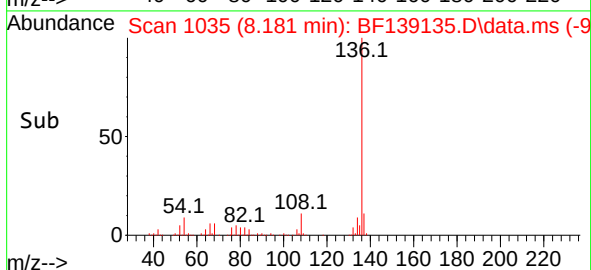
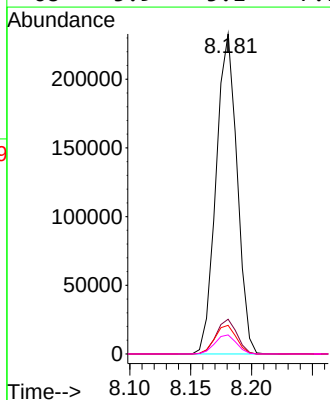
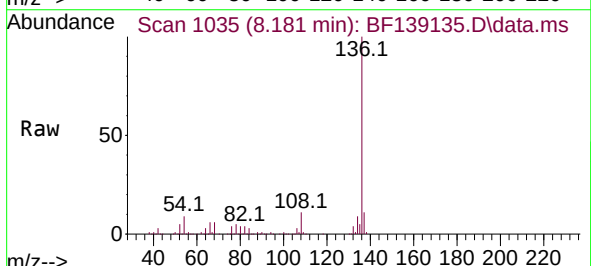
Manual Integrations
APPROVED

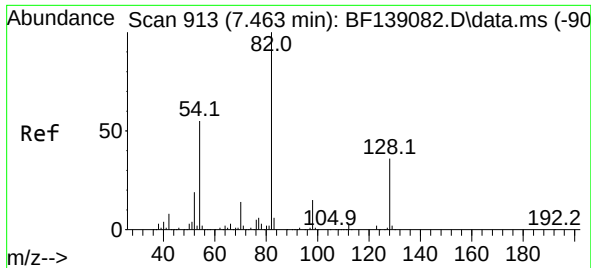
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

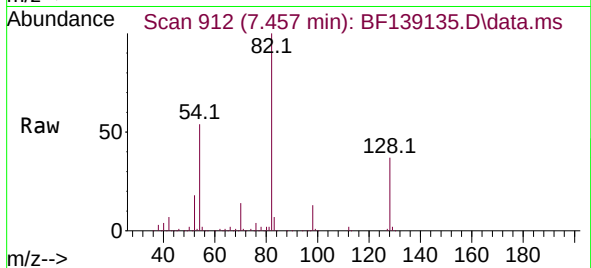
Tgt Ion:136 Resp: 279964
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.0 7.6 11.4
68 5.9 5.1 7.7





#23
Nitrobenzene-d5
Concen: 90.981 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

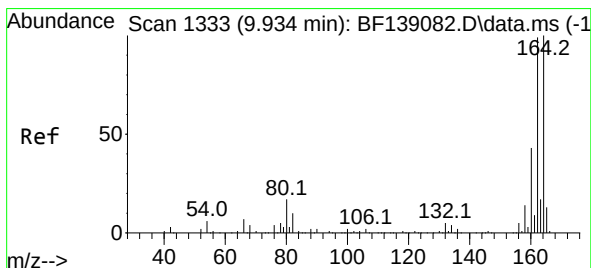
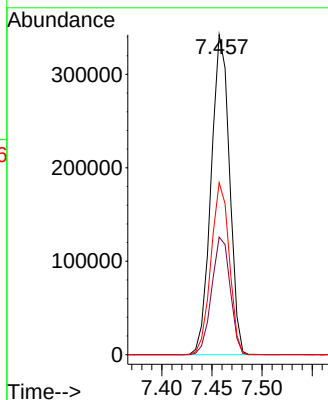
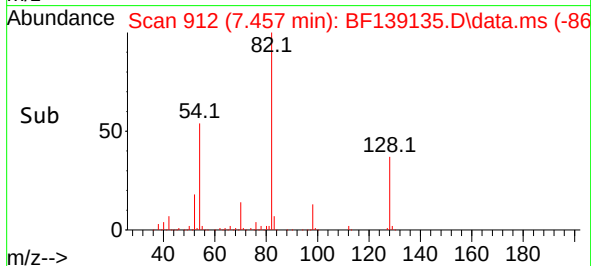
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion: 82 Resp: 437128
Ion Ratio Lower Upper
82 100
128 36.7 29.0 43.4
54 53.8 43.4 65.2

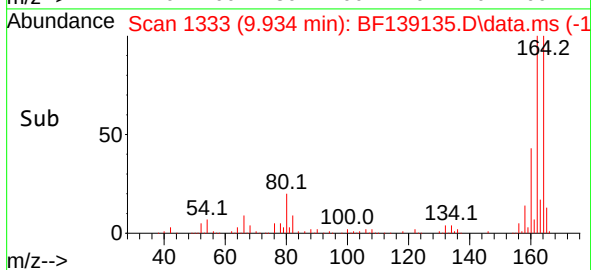
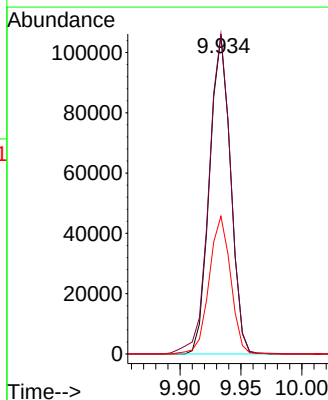
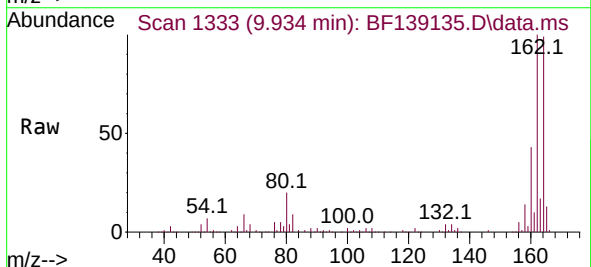
Manual Integrations
APPROVED

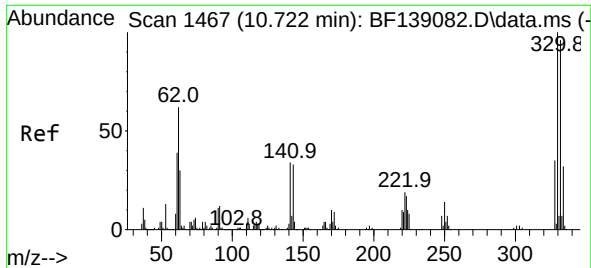
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

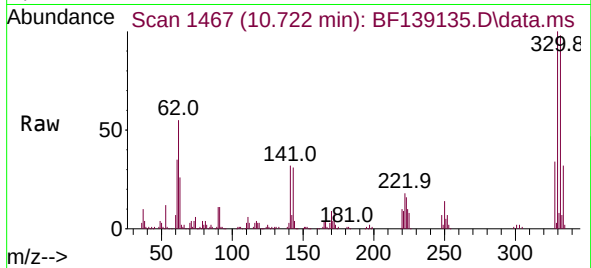
Tgt Ion:164 Resp: 126845
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 43.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 113.584 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

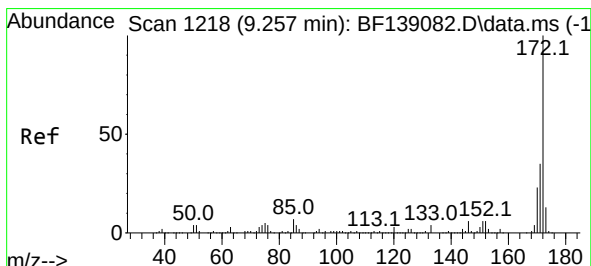
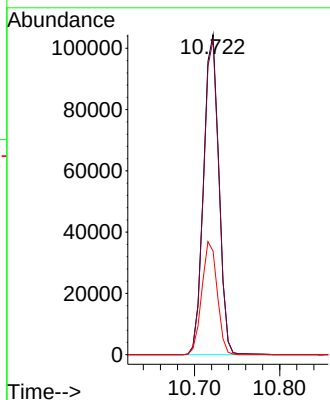
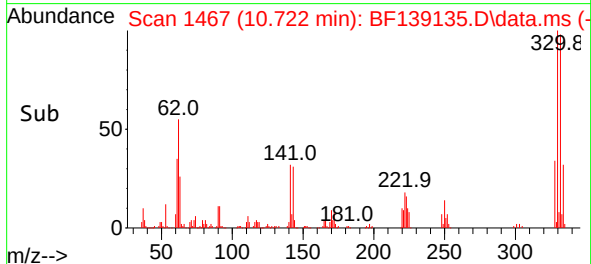
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion: 330 Resp: 130430
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.6
141 35.4 27.5 41.3

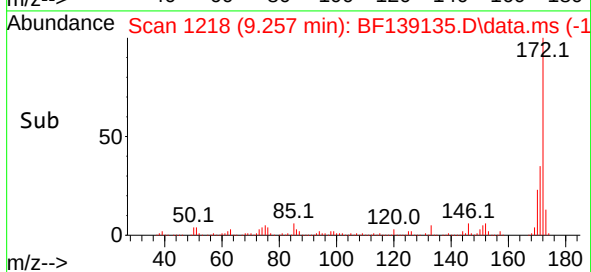
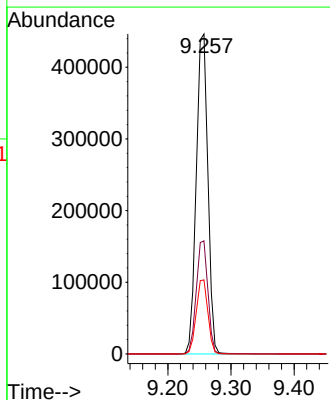
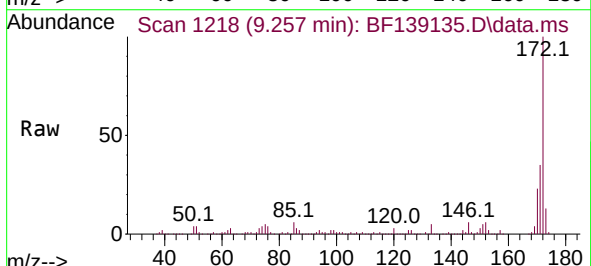
Manual Integrations
APPROVED

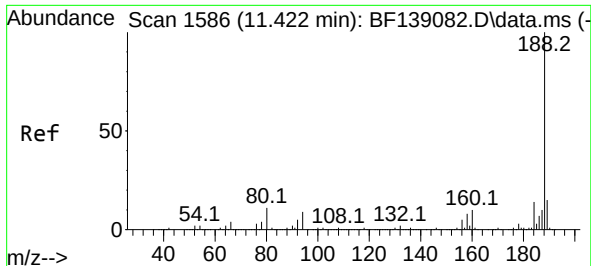
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#45
2-Fluorobiphenyl
Concen: 71.537 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

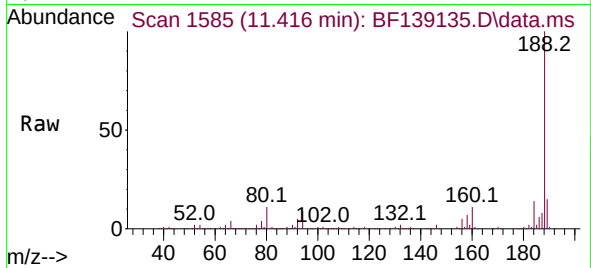
Tgt Ion: 172 Resp: 571922
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

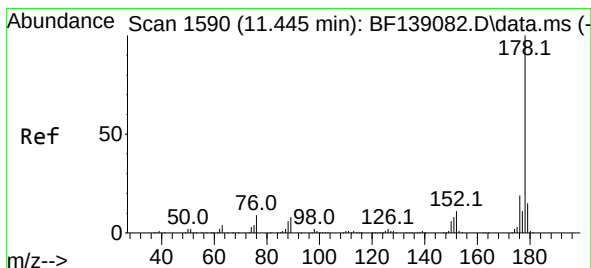
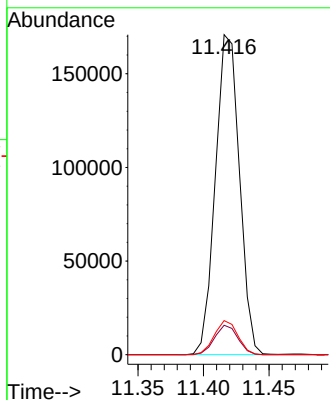
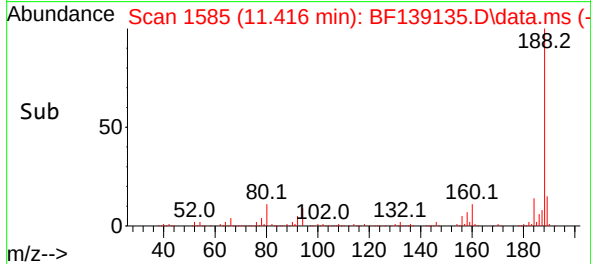
Instrument : BNA_F
ClientSampleId : S-903-J-SO-0.5-1.0-081924



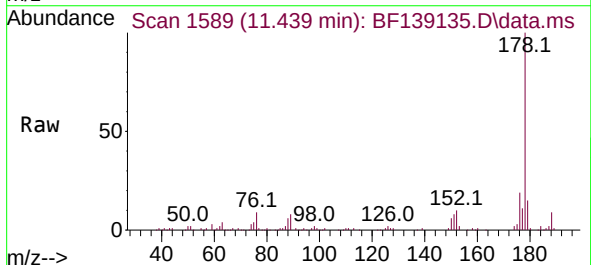
Tgt Ion:188 Resp: 21826
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.7 8.5 12.7

Manual Integrations
APPROVED

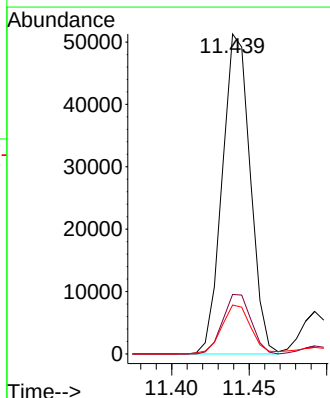
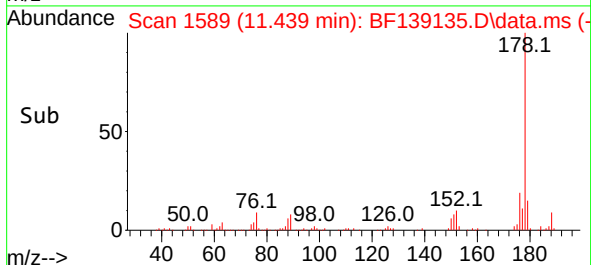
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

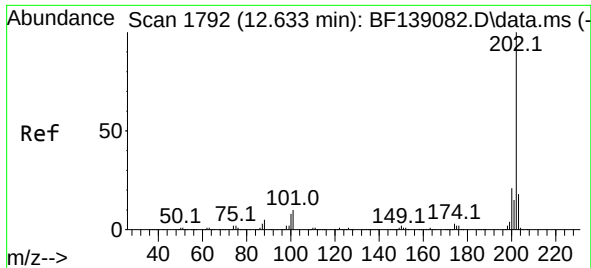


#71
Phenanthrene
Concen: 5.811 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20



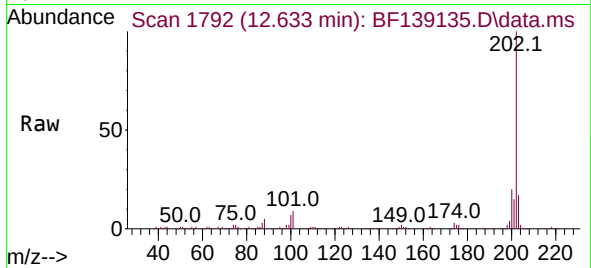
Tgt Ion:178 Resp: 64466
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.3 12.3 18.5





#75
Fluoranthene
Concen: 13.084 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

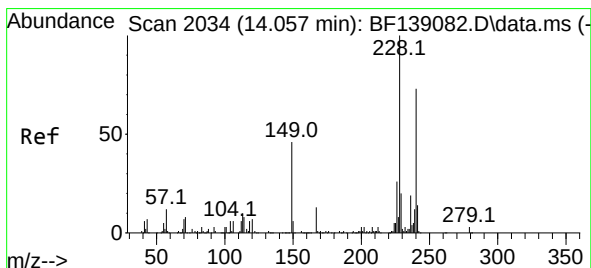
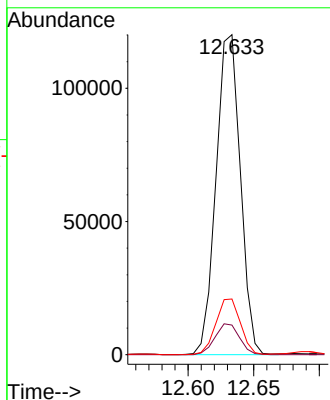
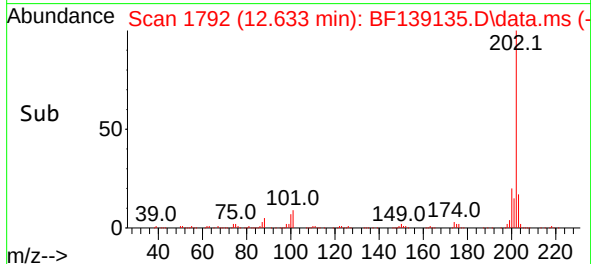
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:202 Resp: 154930
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.2
203 17.4 0.0 37.6

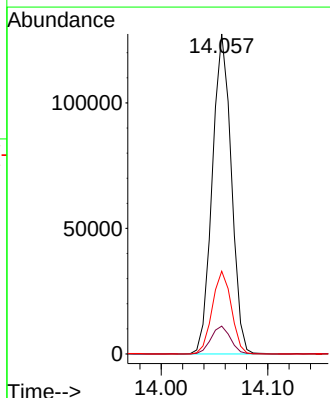
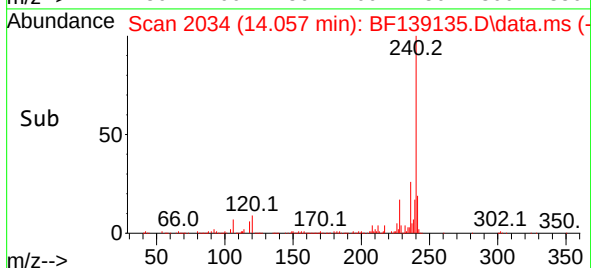
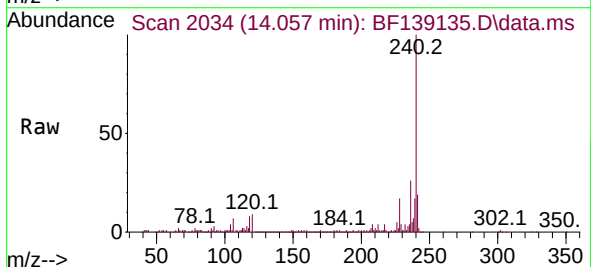
Manual Integrations
APPROVED

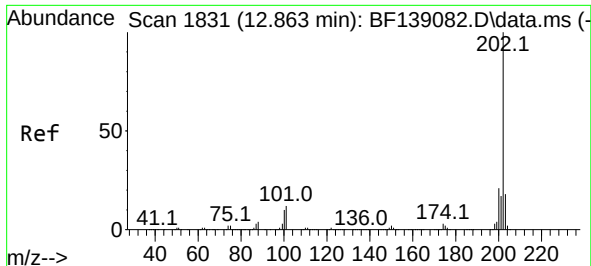
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

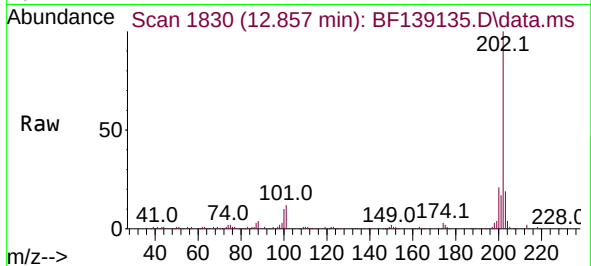
Tgt Ion:240 Resp: 157920
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.9 20.9 31.3





#78
 Pyrene
 Concen: 9.248 ng
 RT: 12.857 min Scan# 1830
 Delta R.T. -0.006 min
 Lab File: BF139135.D
 Acq: 22 Aug 2024 21:20

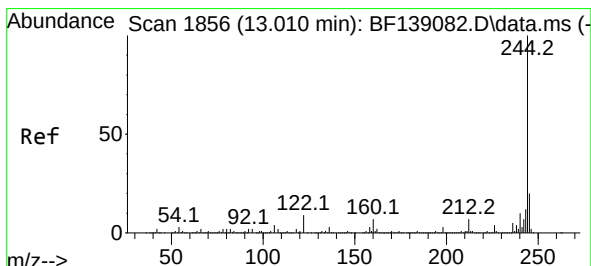
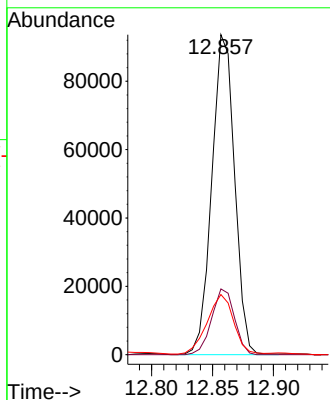
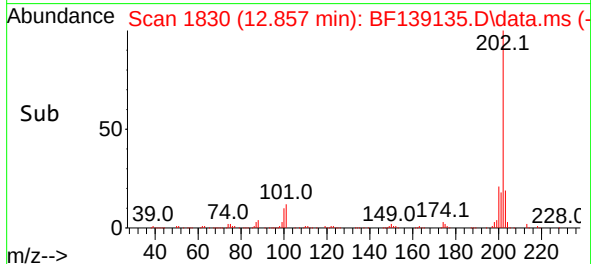
Instrument :
 BNA_F
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924



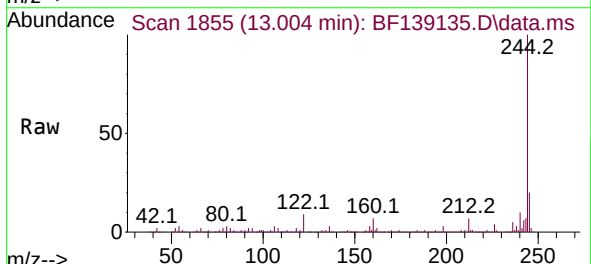
Tgt Ion:202 Resp: 12188
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.6
 203 18.8 14.1 21.1

Manual Integrations
 APPROVED

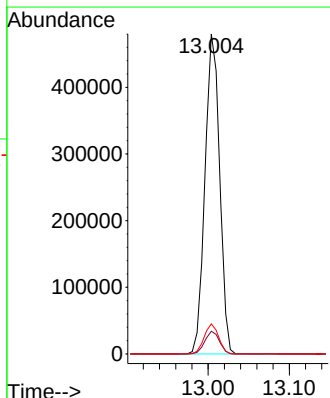
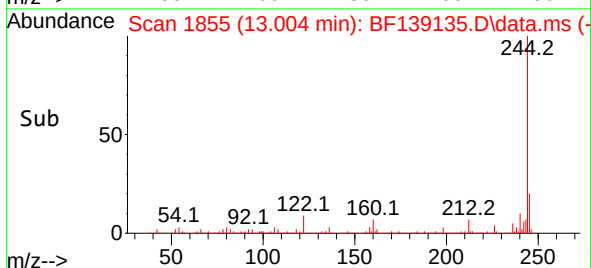
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/23/2024

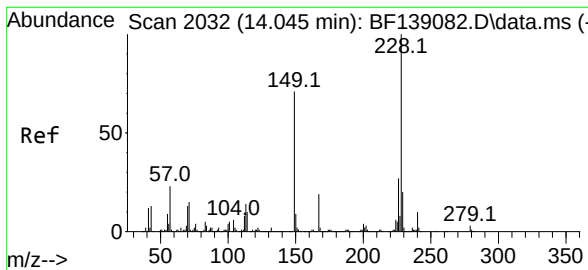


#79
 Terphenyl-d14
 Concen: 63.068 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139135.D
 Acq: 22 Aug 2024 21:20



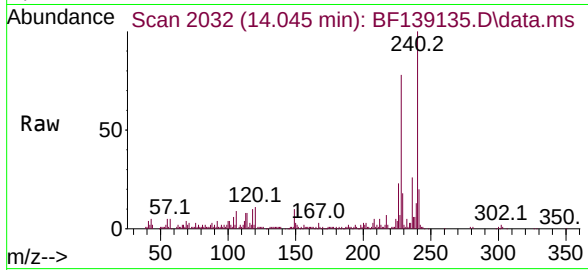
Tgt Ion:244 Resp: 600234
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.4 7.6 11.4





#81
Benzo(a)anthracene
Concen: 4.960 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

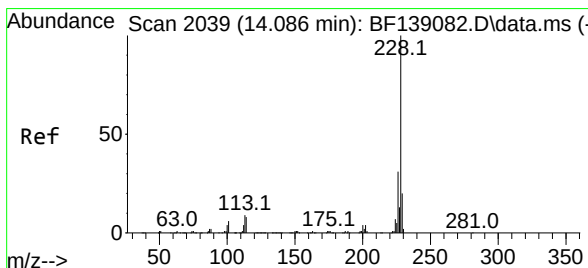
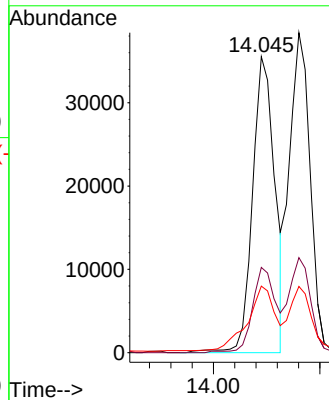
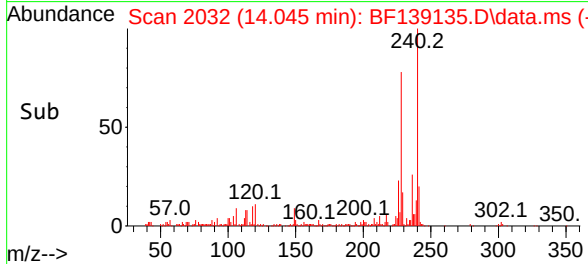
Instrument : BNA_F
ClientSampleId : S-903-J-SO-0.5-1.0-081924



Tgt Ion:228 Resp: 5148
Ion Ratio Lower Upper
228 100
226 28.8 21.9 32.9
229 22.5 16.1 24.1

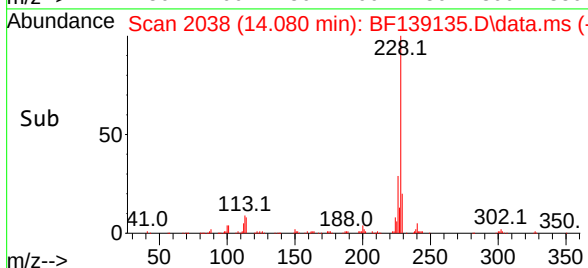
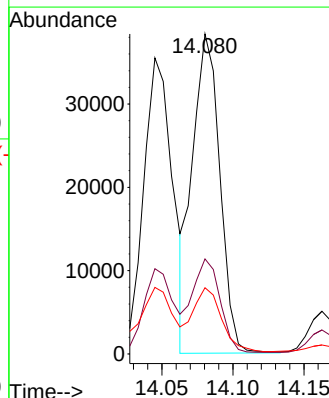
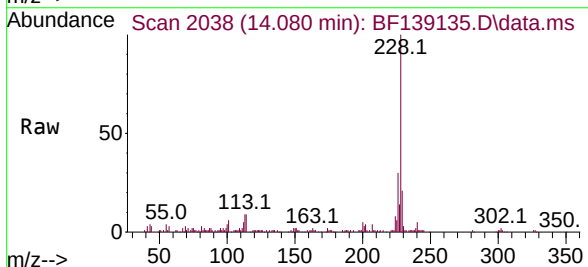
Manual Integrations
APPROVED

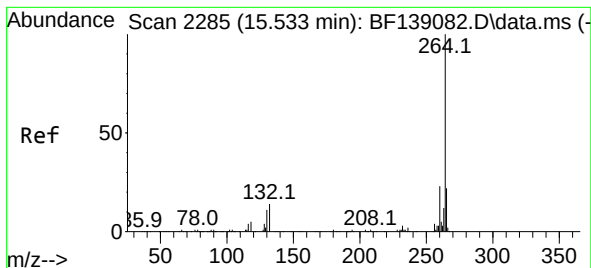
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#83
Chrysene
Concen: 5.445 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:228 Resp: 51238
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 20.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

Tgt Ion:264 Resp: 125372

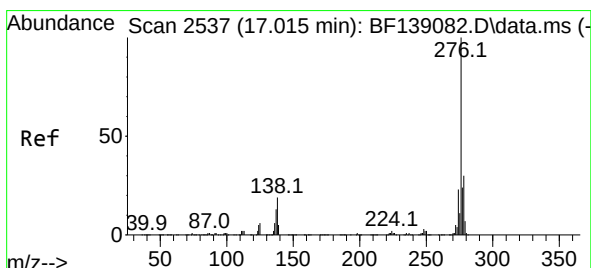
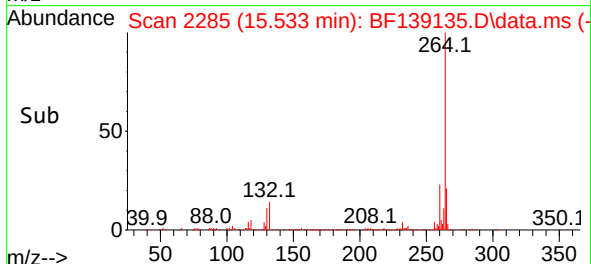
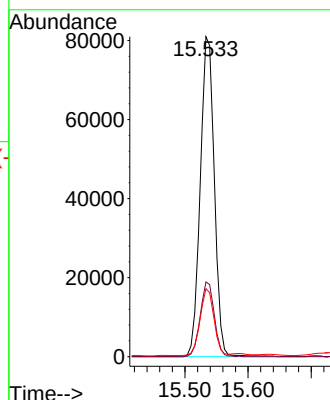
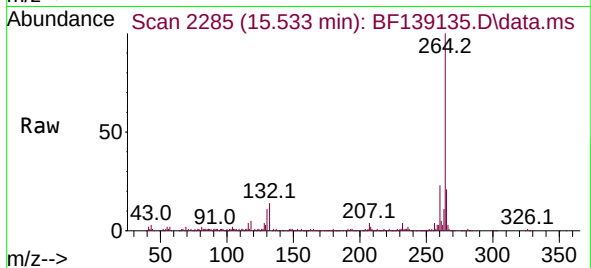
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.2	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/23/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.896 ng

RT: 17.010 min Scan# 2536

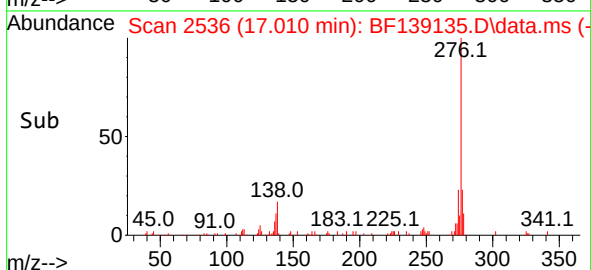
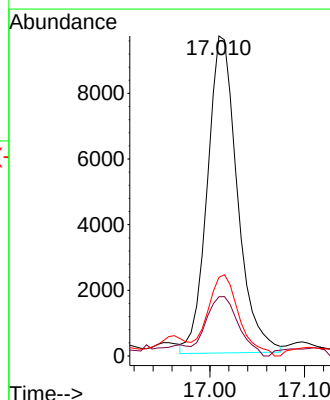
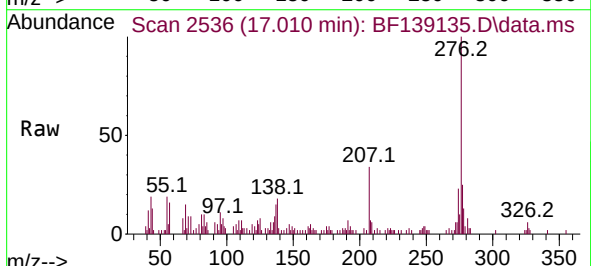
Delta R.T. -0.006 min

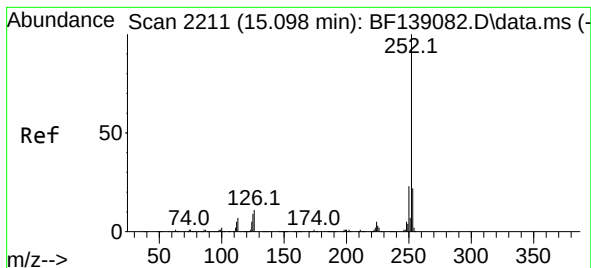
Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:276 Resp: 21252

Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.3	25.9
277	26.5	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 6.462 ng m

RT: 15.104 min Scan# 2114

Delta R.T. 0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

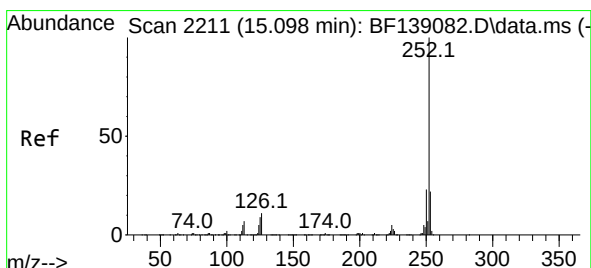
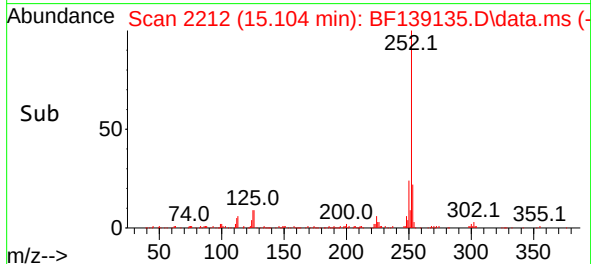
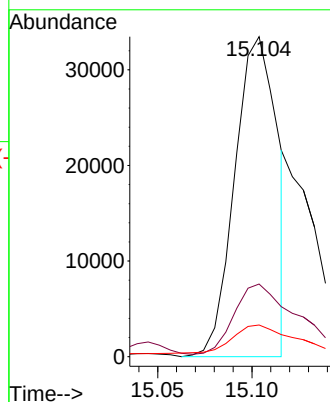
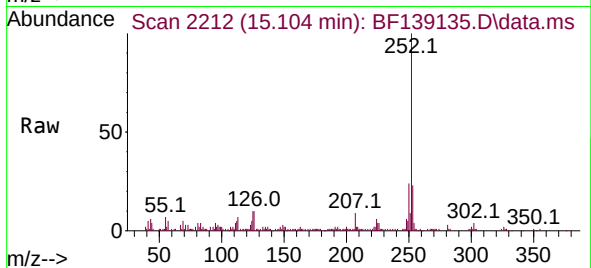
Tgt Ion:	252	Resp:	52814
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	9.9	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/23/2024



#89

Benzo(k)fluoranthene

Concen: 3.234 ng m

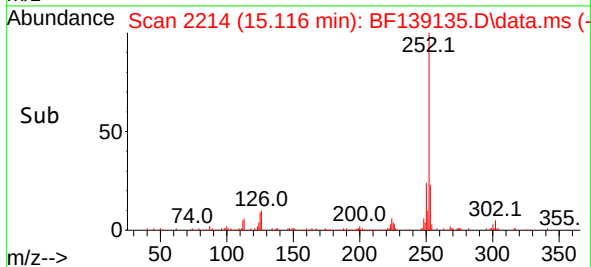
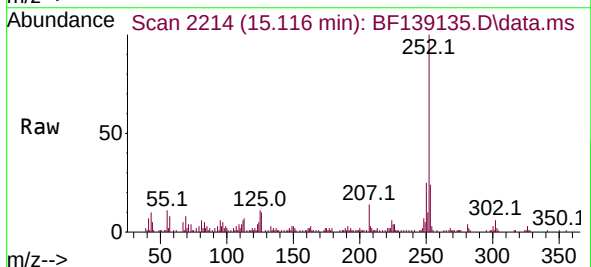
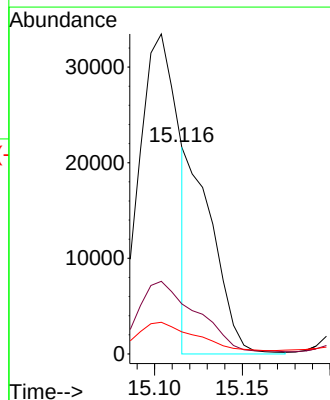
RT: 15.116 min Scan# 2214

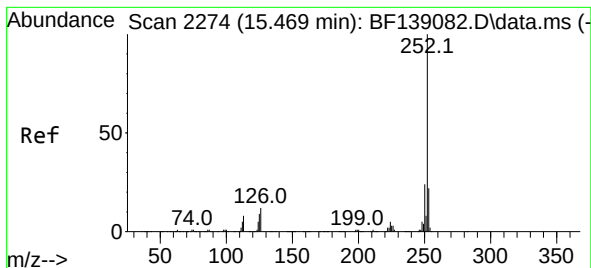
Delta R.T. -0.018 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:	252	Resp:	22013
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.2
125	10.6	7.0	10.6





#90

Benzo(a)pyrene

Concen: 5.146 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

Tgt Ion:252 Resp: 33230

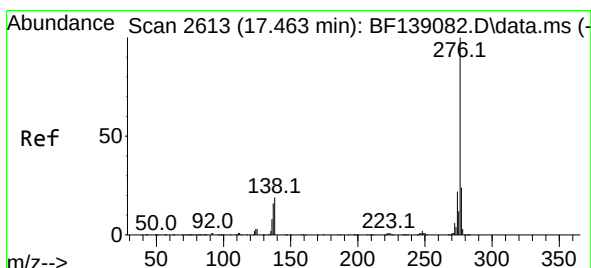
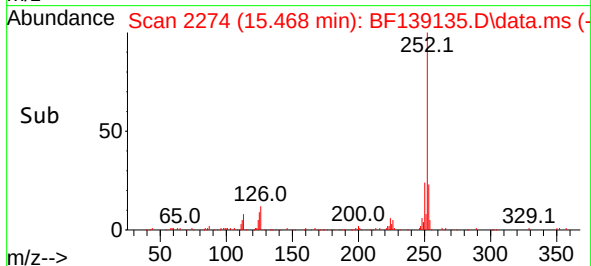
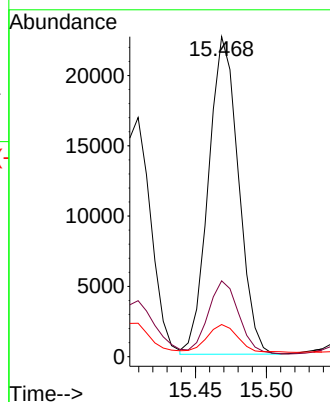
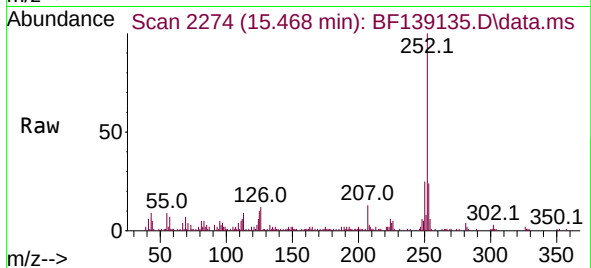
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	10.1	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/23/2024



#92

Benzo(g,h,i)perylene

Concen: 5.644 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:276 Resp: 20818

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	18.7	15.0	22.4

