

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139910.D
 Acq On : 21 Oct 2024 18:37
 Operator : RC/JU
 Sample : P4401-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101424RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 01:19:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	153433	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	529936	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	246349	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	450537	20.000	ng	0.00
76) Chrysene-d12	14.057	240	280448	20.000	ng	0.00
86) Perylene-d12	15.539	264	244237	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	743562	75.866	ng	0.00
7) Phenol-d6	6.504	99	888376	69.985	ng	0.00
23) Nitrobenzene-d5	7.445	82	516175	53.984	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	175978	76.370	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	857307	57.515	ng	0.00
79) Terphenyl-d14	12.998	244	898919	52.230	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	152607	7.171	ng	98
72) Anthracene	11.486	178	56030	2.698	ng	98
75) Fluoranthene	12.627	202	564665	26.247	ng	99
78) Pyrene	12.857	202	525615	21.411	ng	100
81) Benzo(a)anthracene	14.045	228	276764	15.160	ng	94
83) Chrysene	14.080	228	214541	12.817	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	123438	7.856	ng	93
88) Benzo(b)fluoranthene	15.104	252	293063m	19.698	ng	
89) Benzo(k)fluoranthene	15.115	252	112070m	8.734	ng	
90) Benzo(a)pyrene	15.474	252	218862	17.878	ng	96
91) Dibenzo(a,h)anthracene	17.039	278	29245	2.231	ng	# 80
92) Benzo(g,h,i)perylene	17.480	276	128497	9.814	ng	99

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

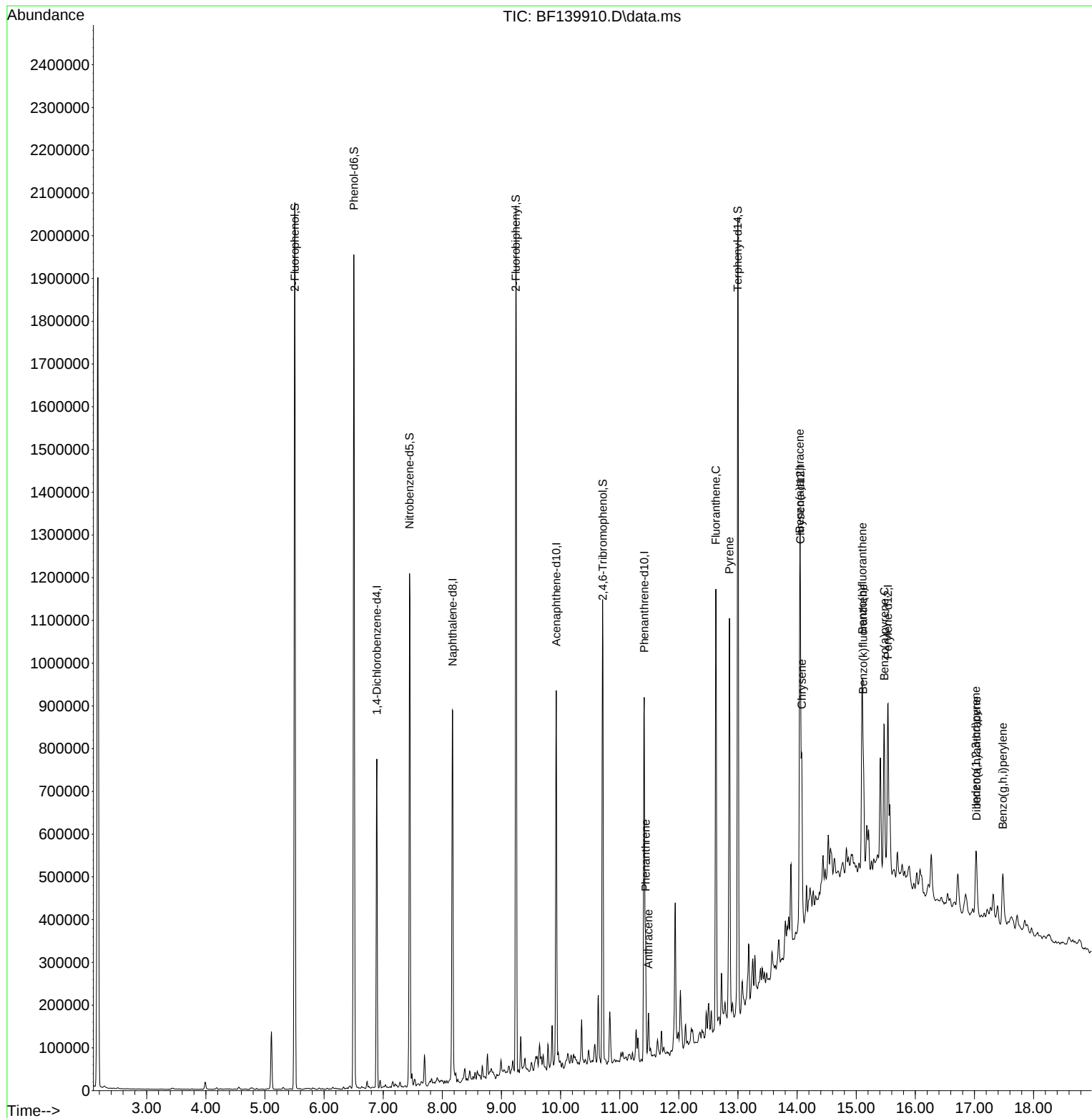
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139910.D
Acq On : 21 Oct 2024 18:37
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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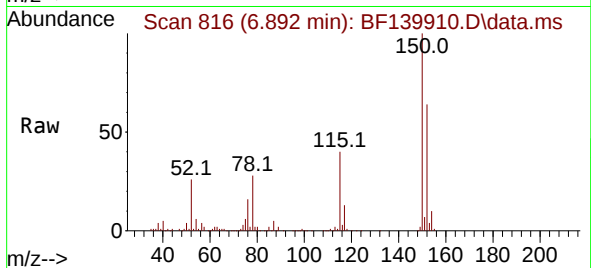
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

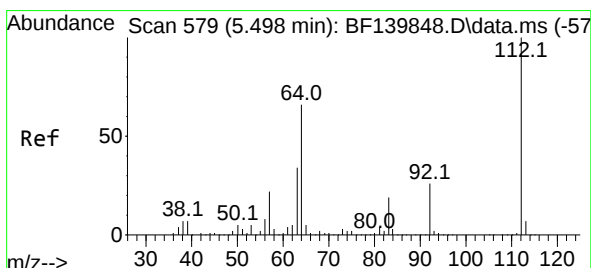
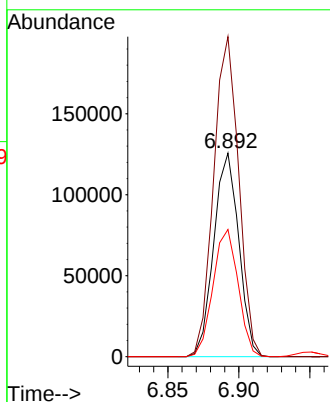
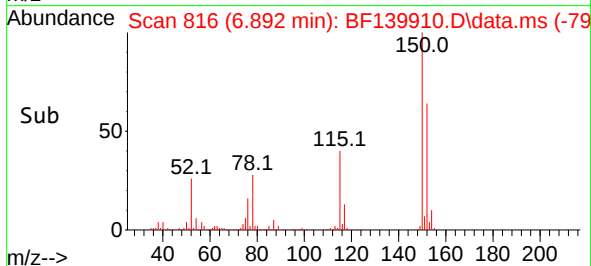
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE



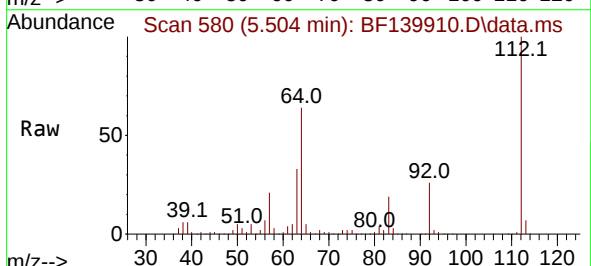
Tgt Ion:152 Resp: 15343
Ion Ratio Lower Upper
152 100
150 157.3 130.2 195.2
115 62.5 51.4 77.2

Manual Integrations
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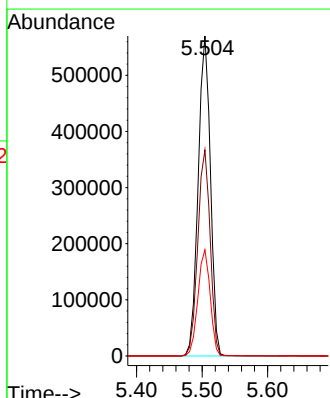
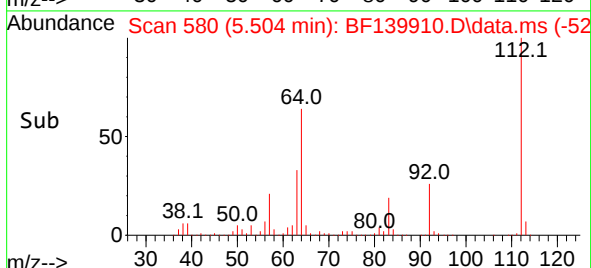
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#5
2-Fluorophenol
Concen: 75.866 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37



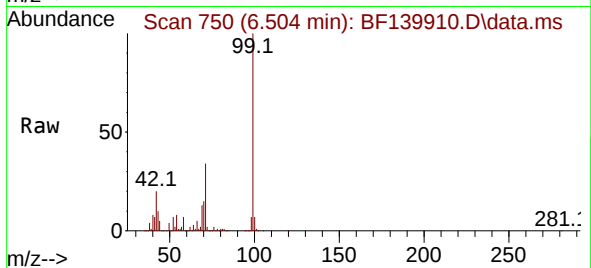
Tgt Ion:112 Resp: 743562
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 33.2 27.0 40.4





#7
Phenol-d6
Concen: 69.985 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

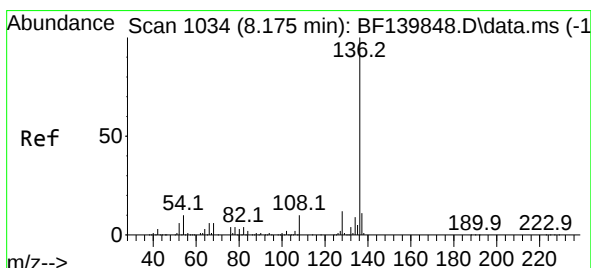
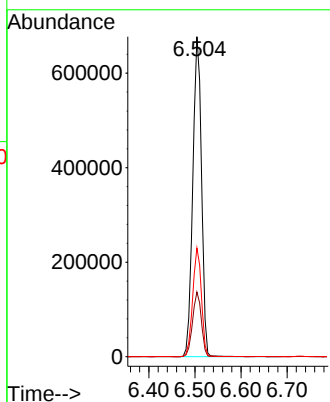
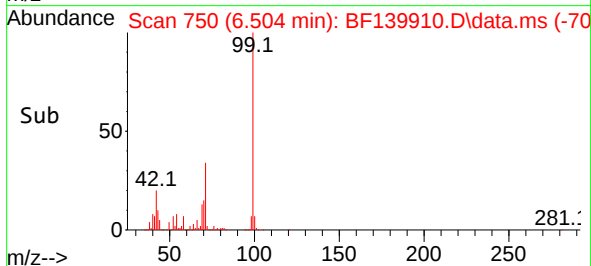
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE



Tgt Ion: 99 Resp: 888370
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 34.0 27.7 41.5

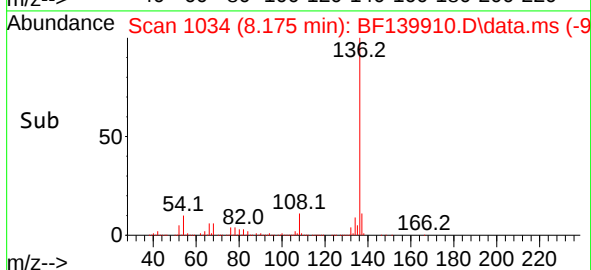
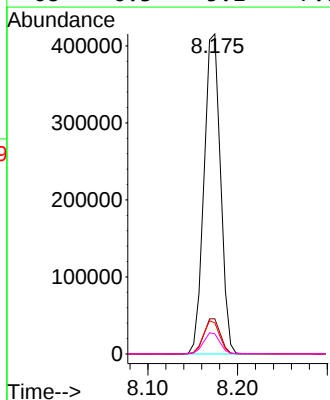
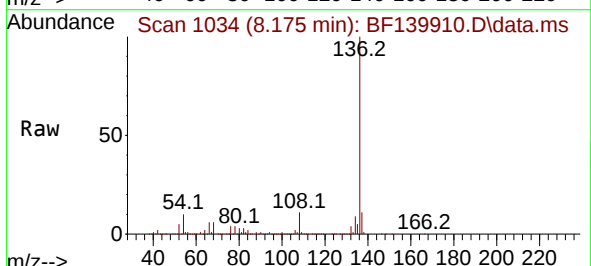
Manual Integrations
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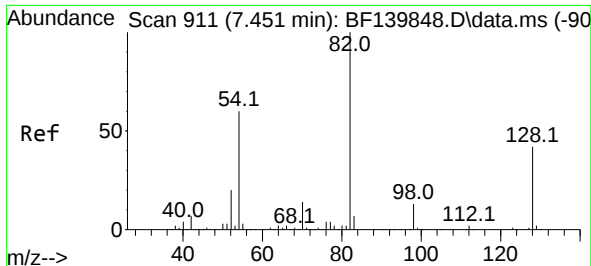
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:136 Resp: 529936
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 8.4 12.6
68 6.3 5.1 7.7





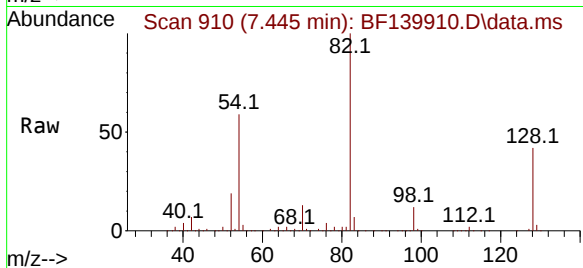
#23
Nitrobenzene-d5
Concen: 53.984 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

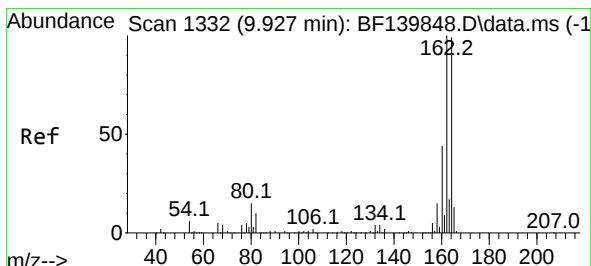
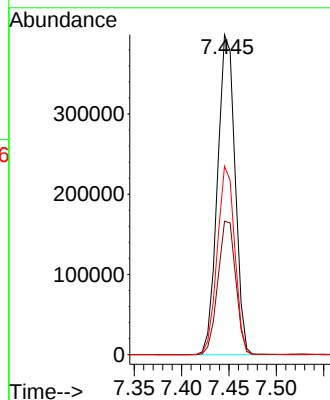
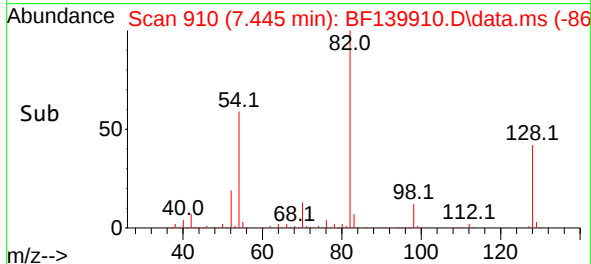


Tgt Ion: 82 Resp: 516179
Ion Ratio Lower Upper
82 100
128 41.7 33.4 50.0
54 58.9 47.8 71.8

Manual Integrations

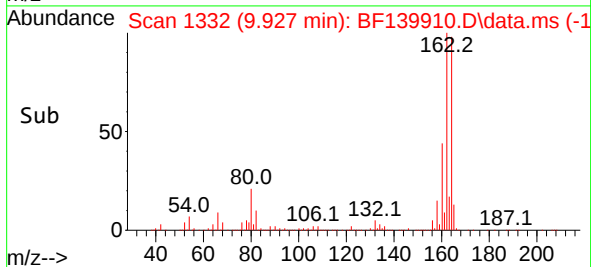
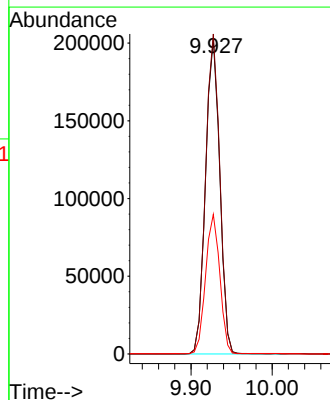
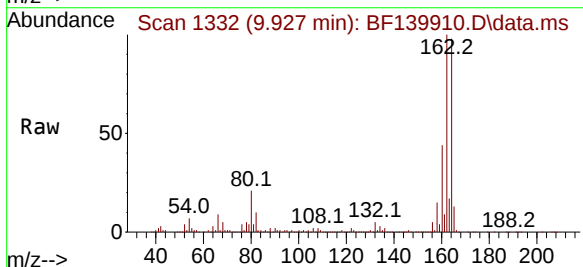
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Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:164 Resp: 246349
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 44.4 35.4 53.0





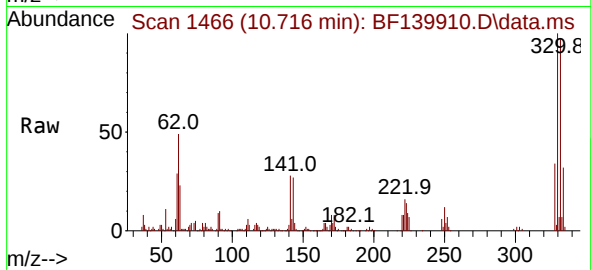
#42
2,4,6-Tribromophenol
Concen: 76.370 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE



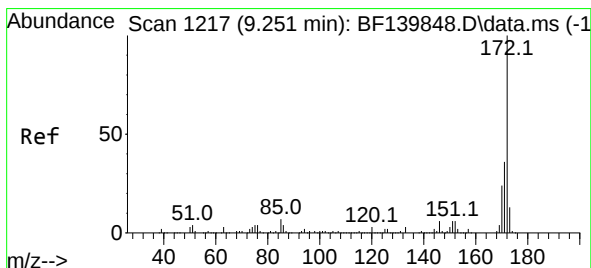
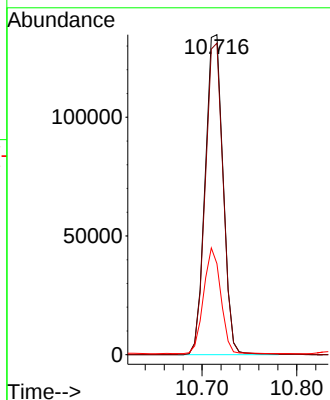
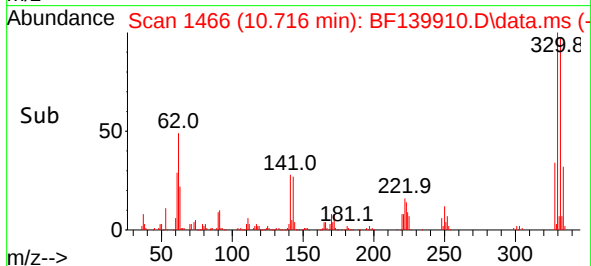
Tgt Ion:330 Resp: 175978
Ion Ratio Lower Upper
330 100
332 97.0 78.1 117.1
141 32.0 26.6 39.8

Manual Integrations

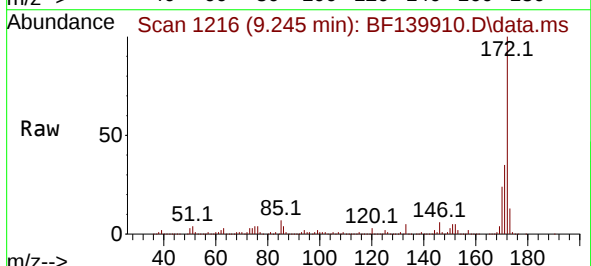
APPROVED

Reviewed By :Yogesh Patel 10/22/2024

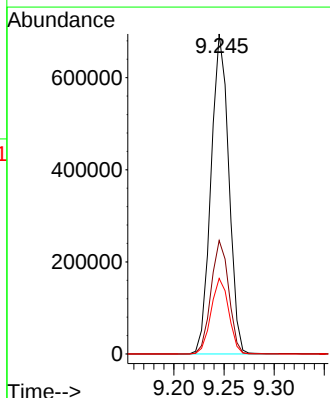
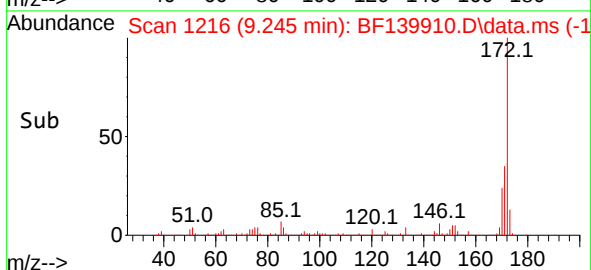
Supervised By :mohammad ahmed 10/23/2024

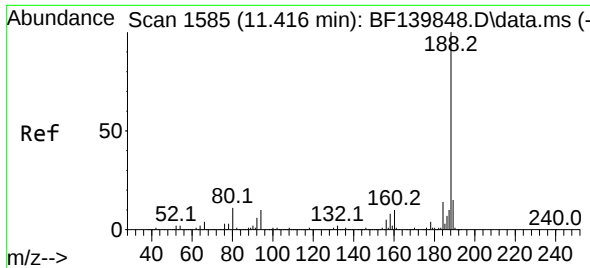


#45
2-Fluorobiphenyl
Concen: 57.515 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37



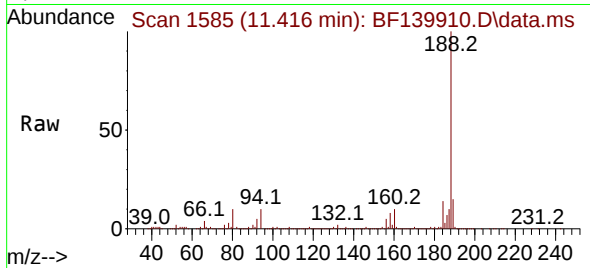
Tgt Ion:172 Resp: 857307
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

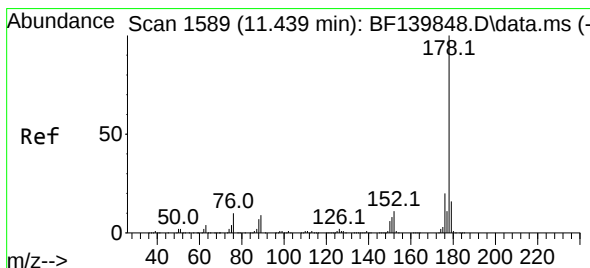
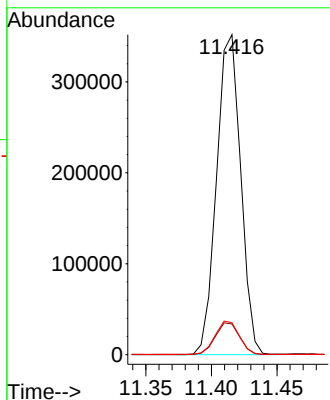
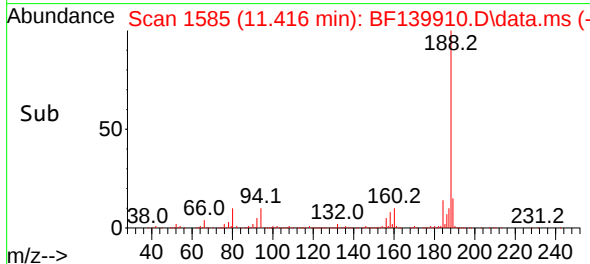
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE



Tgt Ion:188 Resp: 45053
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.0 9.0 13.4

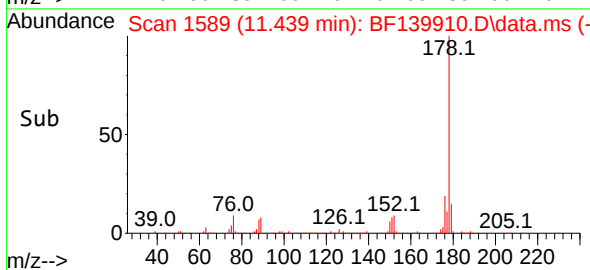
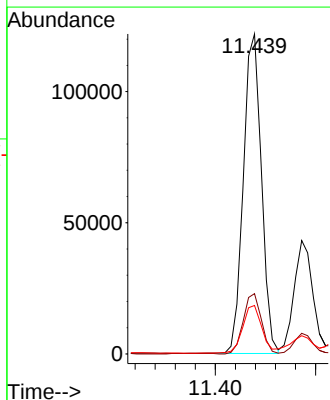
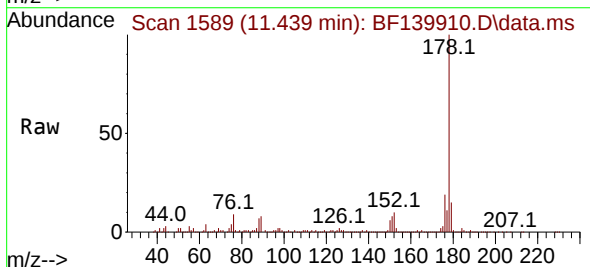
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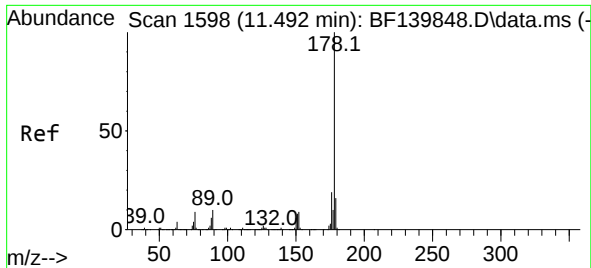
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#71
Phenanthrene
Concen: 7.171 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:178 Resp: 152607
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.2 12.6 18.8





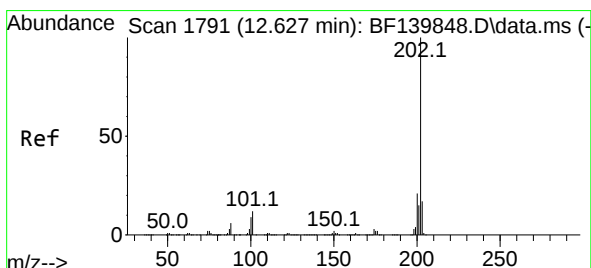
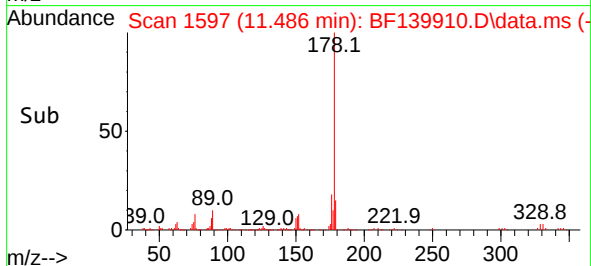
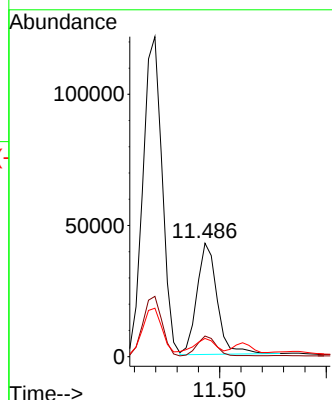
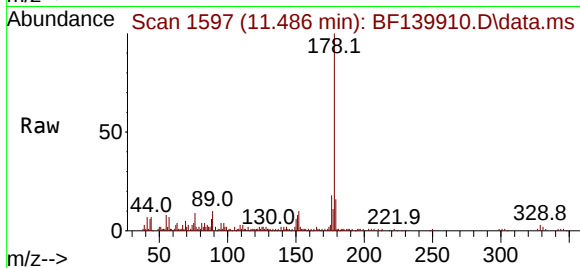
#72
 Anthracene
 Concen: 2.698 ng
 RT: 11.486 min Scan# 1149
 Delta R.T. -0.006 min
 Lab File: BF139910.D
 Acq: 21 Oct 2024 18:37

Instrument :
 BNA_F
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 SU-03-101424RE

Tgt Ion:178 Resp: 56030
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 16.1 12.4 18.6

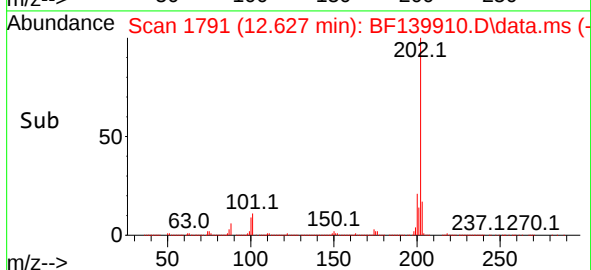
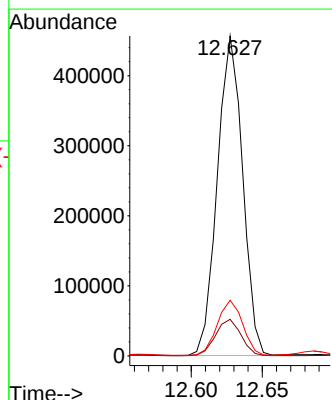
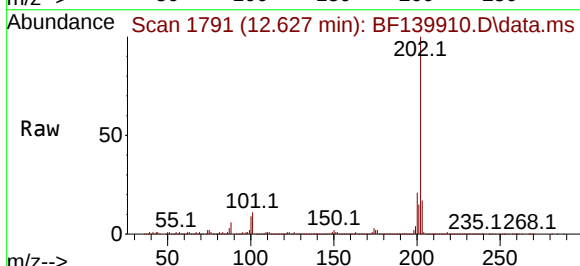
Manual Integrations
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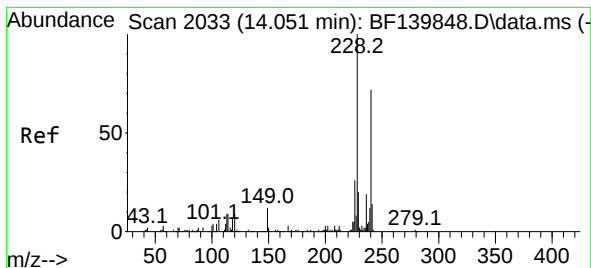
Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#75
 Fluoranthene
 Concen: 26.247 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: BF139910.D
 Acq: 21 Oct 2024 18:37

Tgt Ion:202 Resp: 564665
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.9
 203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

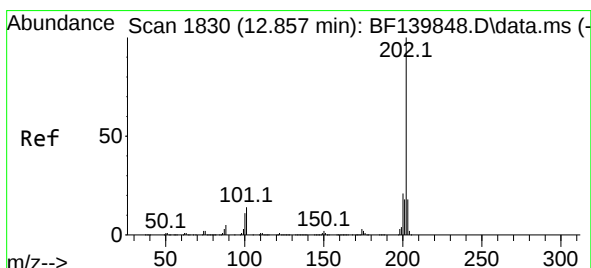
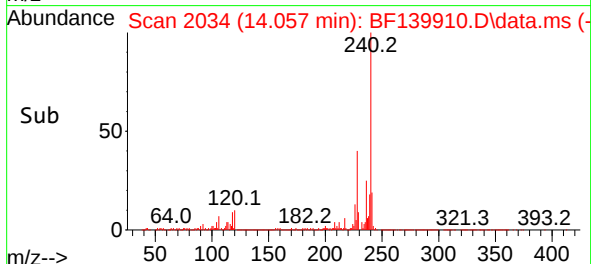
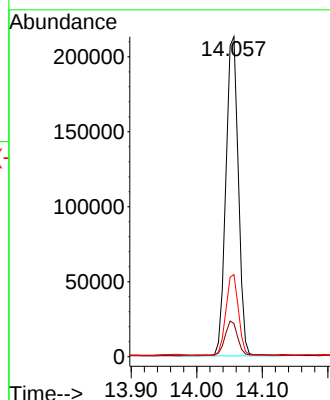
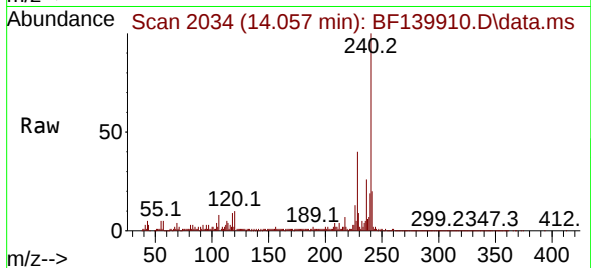
Tgt Ion:240 Resp: 280448
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.4 14.2
 236 25.6 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#78

Pyrene

Concen: 21.411 ng

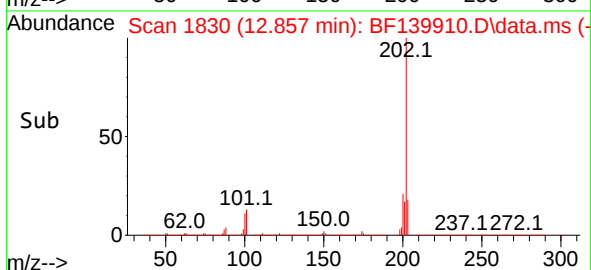
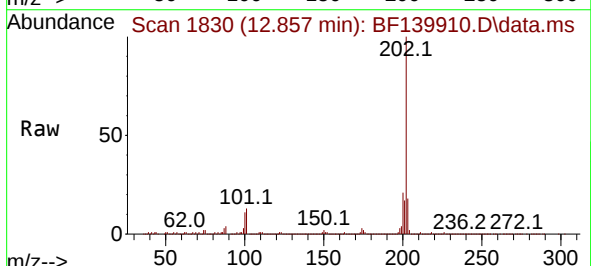
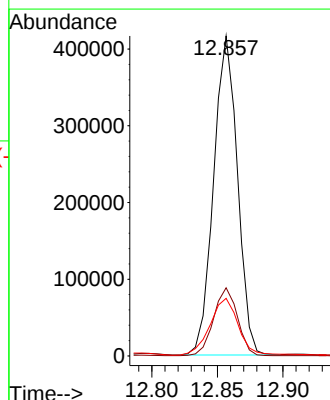
RT: 12.857 min Scan# 1830

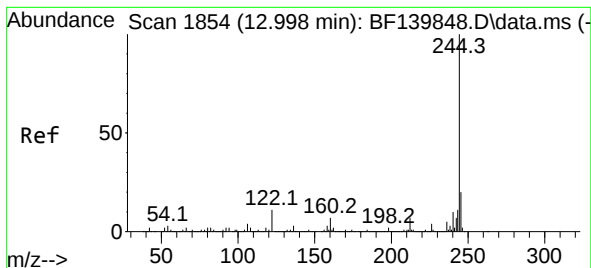
Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Tgt Ion:202 Resp: 525615
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.2 25.8
 203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 52.230 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

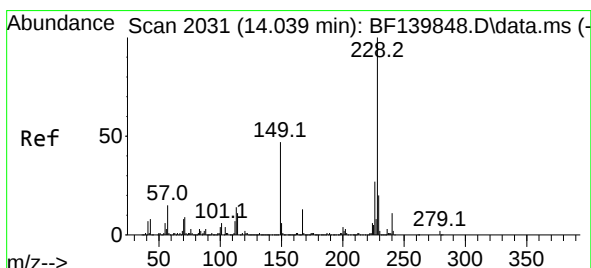
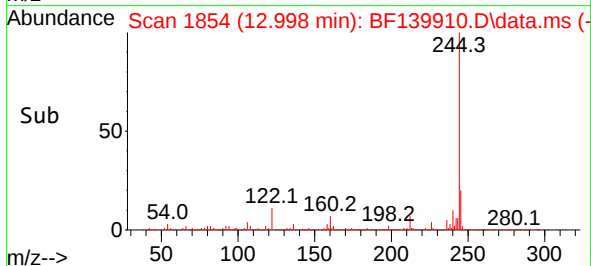
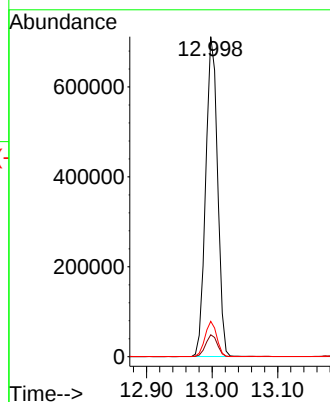
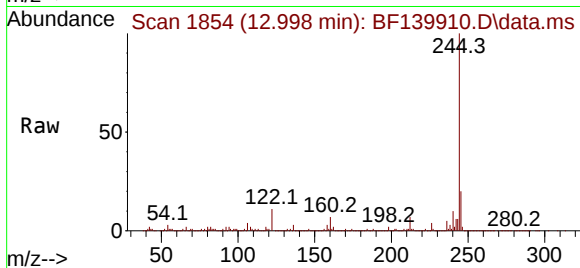
ClientSampleId :

SU-03-101424RE

Tgt Ion:244 Resp: 898919
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.1 8.6 13.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#81

Benzo(a)anthracene

Concen: 15.160 ng

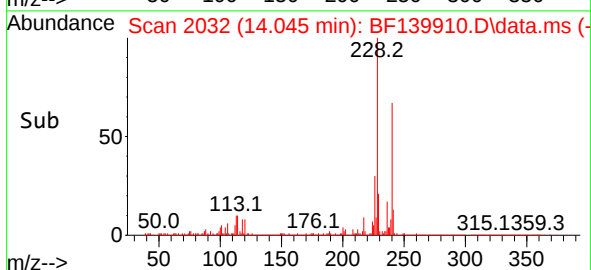
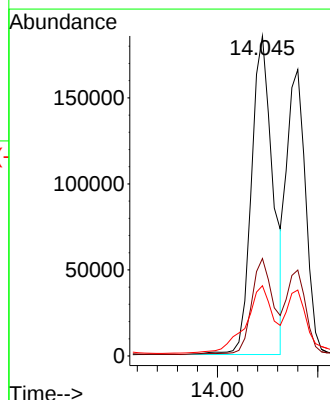
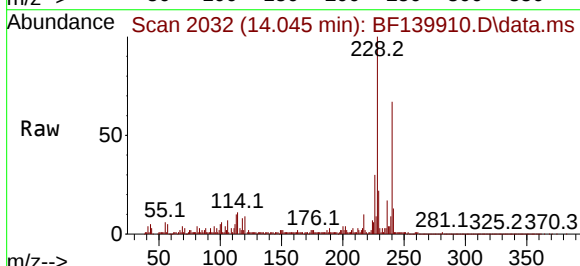
RT: 14.045 min Scan# 2032

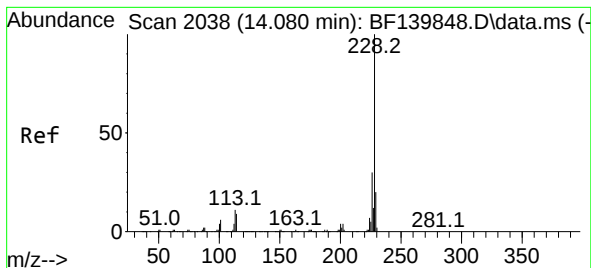
Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Tgt Ion:228 Resp: 276764
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 22.0 16.1 24.1





#83

Chrysene

Concen: 12.817 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

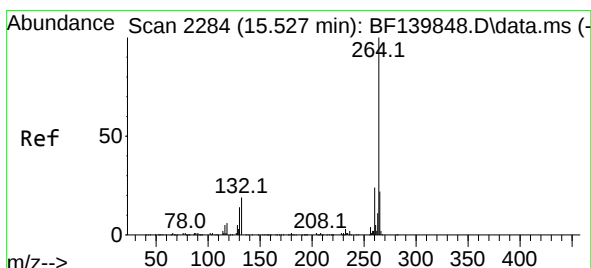
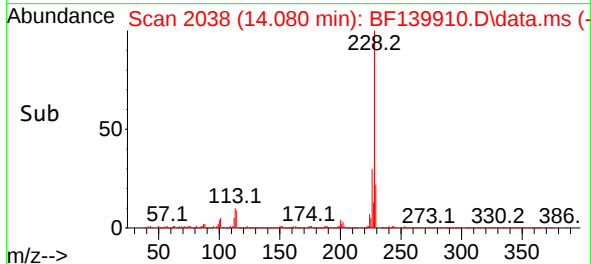
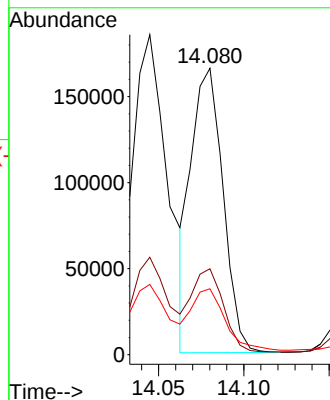
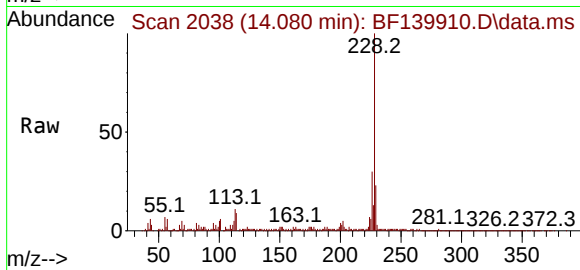
Tgt Ion:	228	Resp:	21454
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.1	36.1
229	23.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#86

Perylene-d12

Concen: 20.000 ng

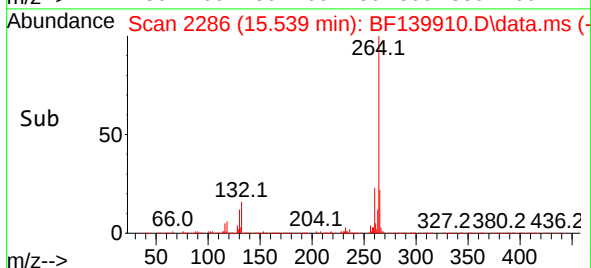
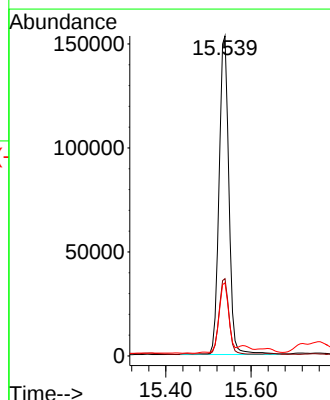
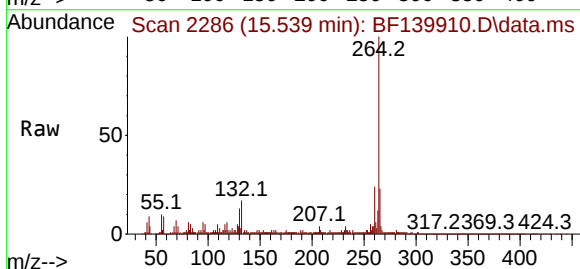
RT: 15.539 min Scan# 2286

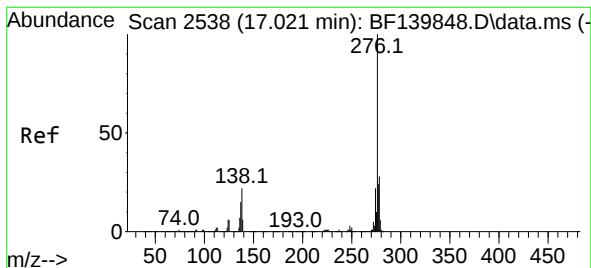
Delta R.T. 0.012 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Tgt Ion:	264	Resp:	244237
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.2
265	22.8	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.856 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

Tgt Ion:276 Resp: 123438

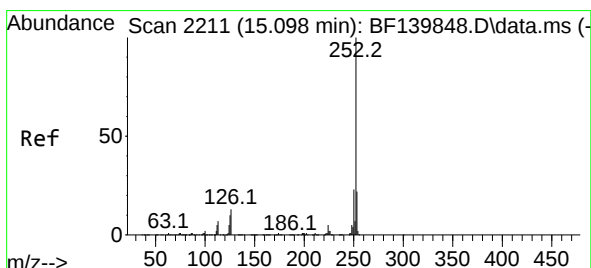
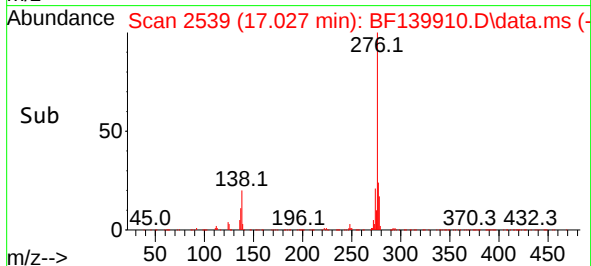
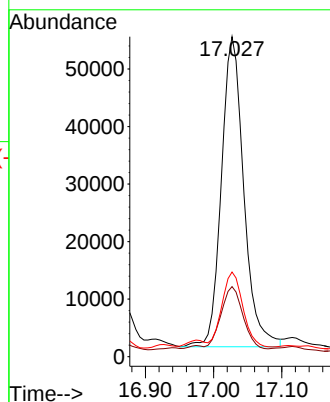
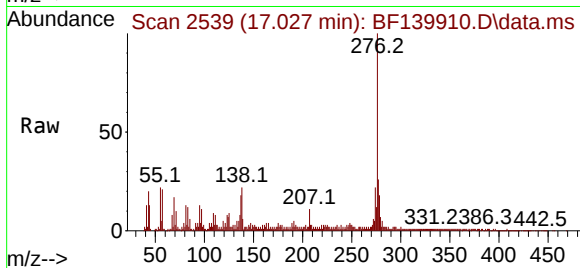
Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.4	30.6
277	22.8	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#88

Benzo(b)fluoranthene

Concen: 19.698 ng m

RT: 15.104 min Scan# 2212

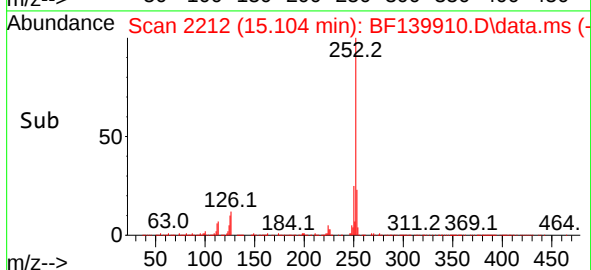
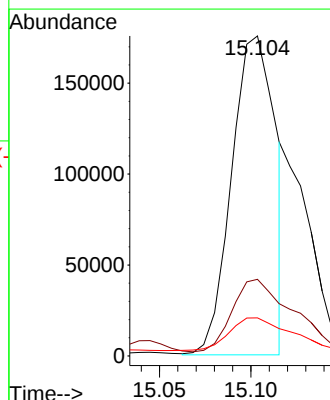
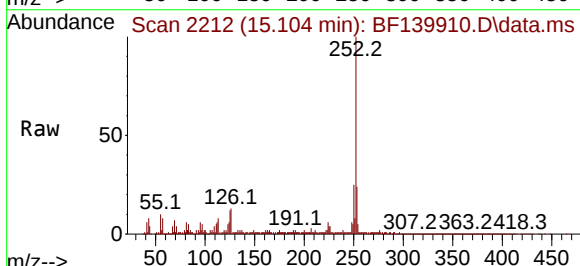
Delta R.T. 0.006 min

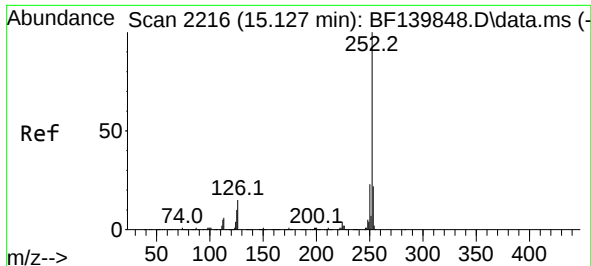
Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Tgt Ion:252 Resp: 293063

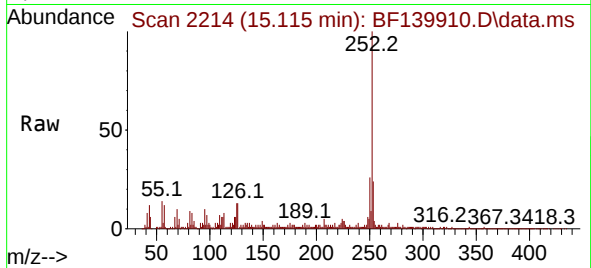
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	11.9	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 8.734 ng m
RT: 15.115 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

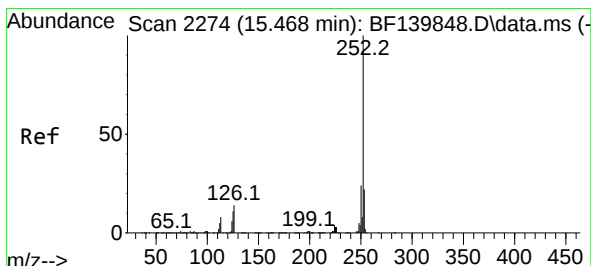
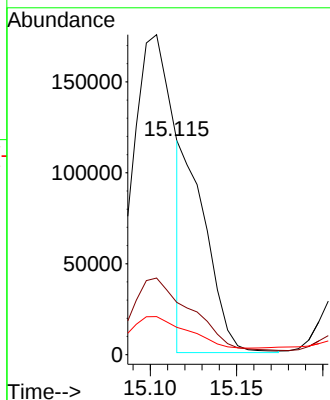
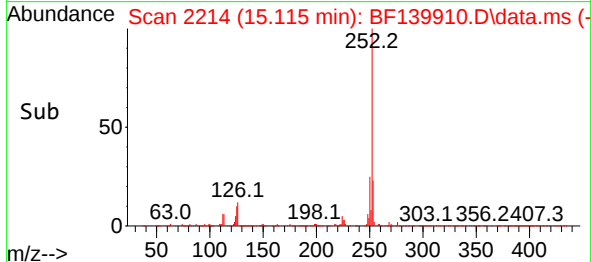
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE



Tgt Ion:252 Resp: 112070
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 12.8 7.9 11.9

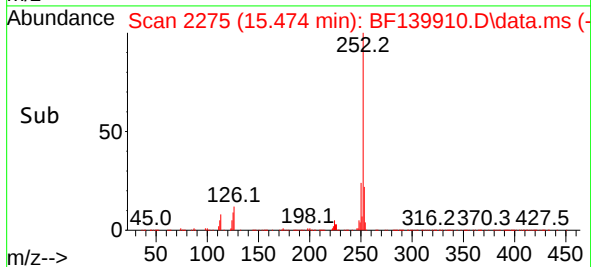
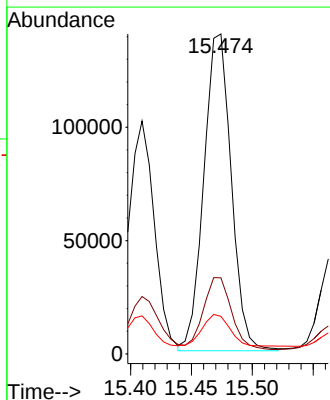
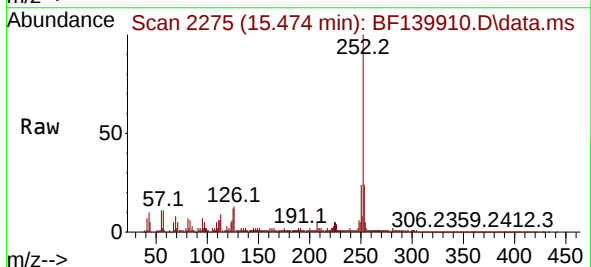
Manual Integrations
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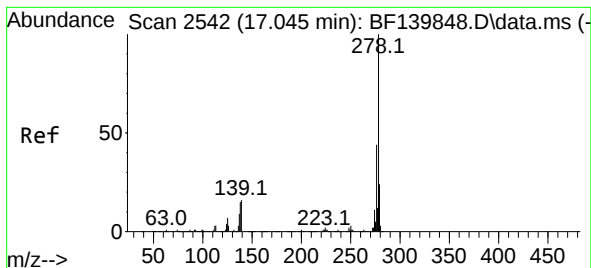
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#90
Benzo(a)pyrene
Concen: 17.878 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:252 Resp: 218862
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 11.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.231 ng

RT: 17.039 min Scan# 2542

Delta R.T. -0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

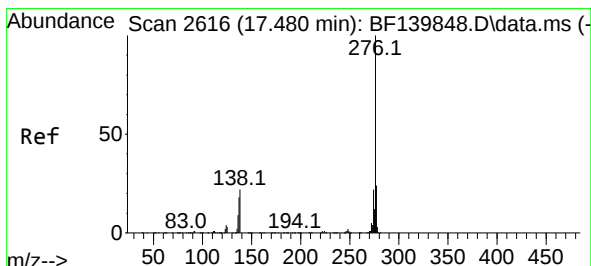
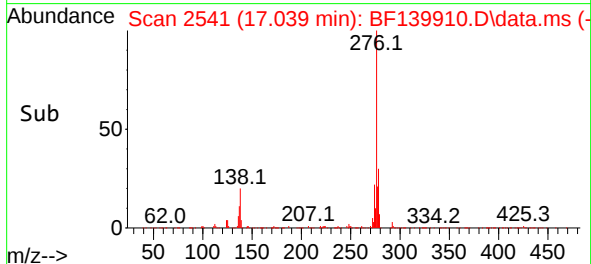
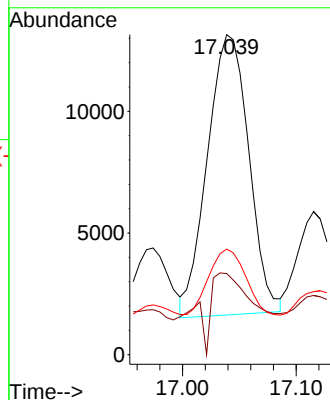
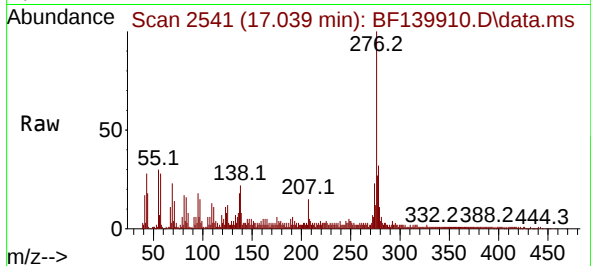
Tgt Ion:	278	Resp:	2924
Ion Ratio	Lower	Upper	
278	100		
139	25.4	13.1	19.7
279	33.0	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#92

Benzo(g,h,i)perylene

Concen: 9.814 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Tgt Ion:	276	Resp:	128497
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.6
138	22.0	17.4	26.0

