

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139303.D
 Acq On : 10 Sep 2024 16:58
 Operator : RC/JU
 Sample : P3906-07 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-02

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
 Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 10 18:02:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	116607	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	426429	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	217252	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	314332	20.000	ng	0.00
76) Chrysene-d12	14.045	240	209268	20.000	ng	0.00
86) Perylene-d12	15.521	264	173673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	118362	16.980	ng	-0.01
7) Phenol-d6	6.504	99	164231	17.649	ng	-0.01
23) Nitrobenzene-d5	7.445	82	103824	12.666	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	29956	15.968	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	204854	14.555	ng	-0.01
79) Terphenyl-d14	12.992	244	150080	11.579	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	165410	11.264	ng	99
72) Anthracene	11.481	178	40988	2.857	ng	99
75) Fluoranthene	12.622	202	312221	21.208	ng	99
78) Pyrene	12.851	202	260512	12.887	ng	99
81) Benzo(a)anthracene	14.039	228	159576	11.942	ng	93
83) Chrysene	14.074	228	119280	9.564	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	48280	4.450	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	155337m	15.531	ng	
89) Benzo(k)fluoranthene	15.110	252	47961m	5.348	ng	
90) Benzo(a)pyrene	15.457	252	94724	11.153	ng	99
92) Benzo(g,h,i)perylene	17.439	276	41087	4.452	ng	97

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

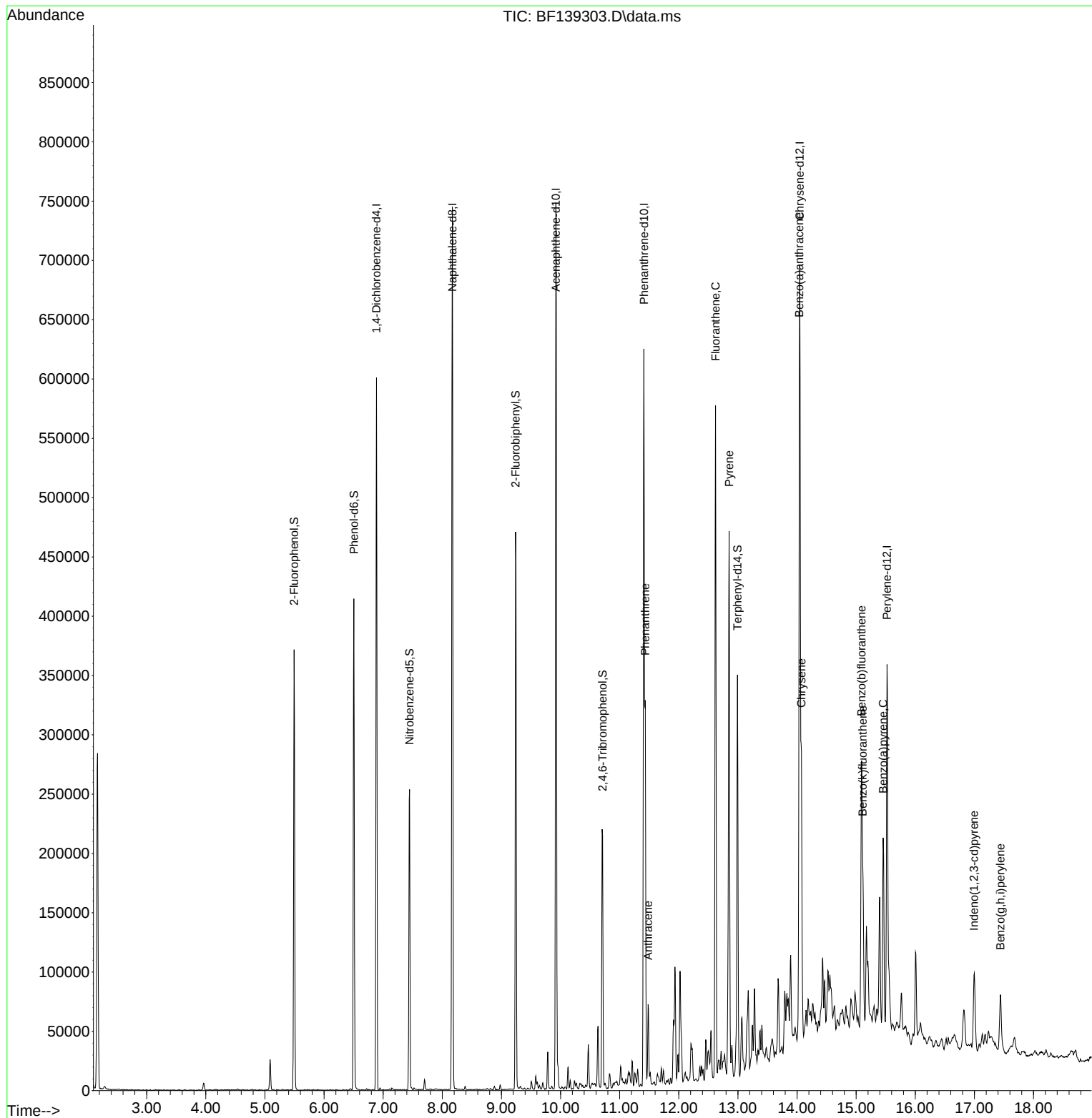
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
Data File : BF139303.D
Acq On : 10 Sep 2024 16:58
Operator : RC/JU
Sample : P3906-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

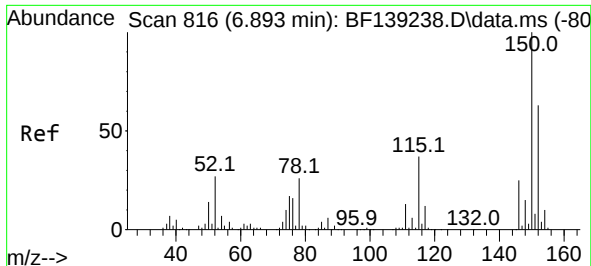
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-02

Quant Time: Sep 10 18:02:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

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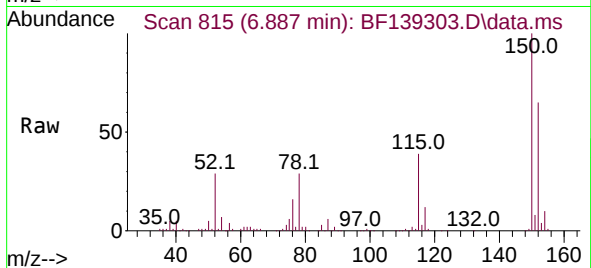
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

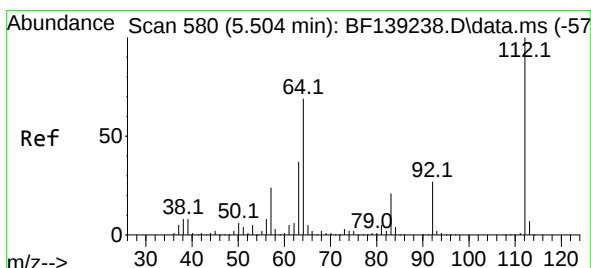
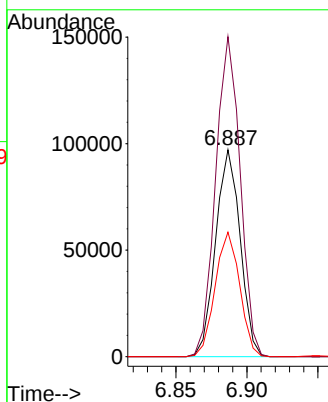
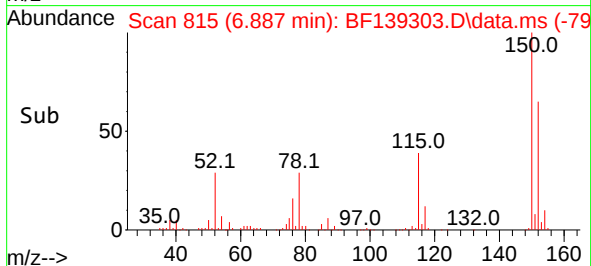
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-02



Tgt Ion:152 Resp: 11660
Ion Ratio Lower Upper
152 100
150 154.7 127.0 190.4
115 60.2 46.9 70.3

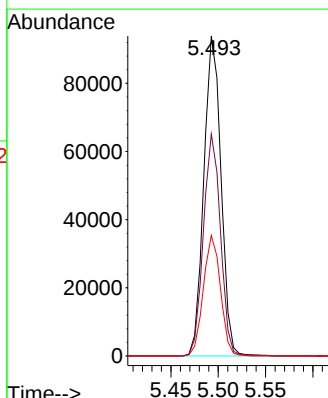
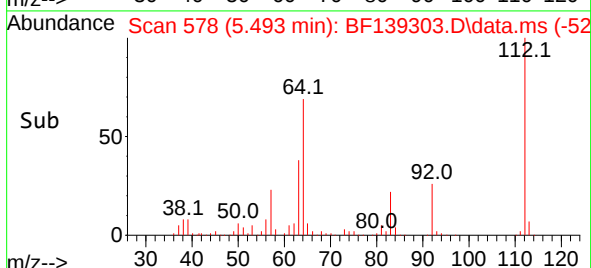
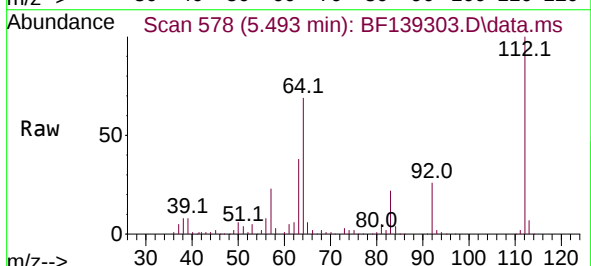
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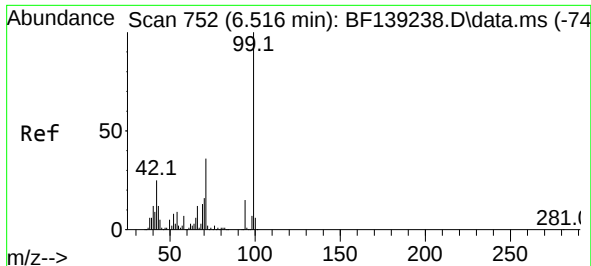
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#5
2-Fluorophenol
Concen: 16.980 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

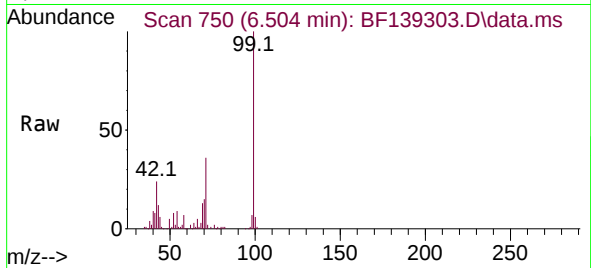
Tgt Ion:112 Resp: 118362
Ion Ratio Lower Upper
112 100
64 69.3 55.0 82.4
63 37.7 29.9 44.9





#7
Phenol-d6
Concen: 17.649 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

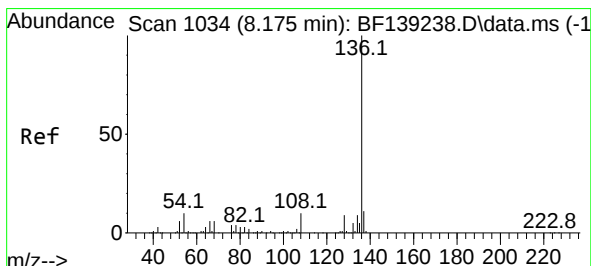
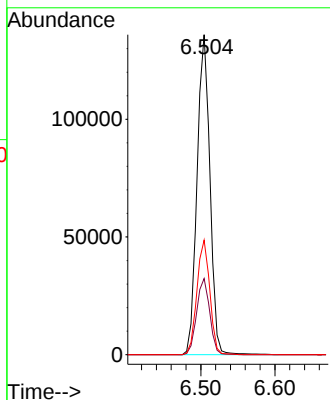
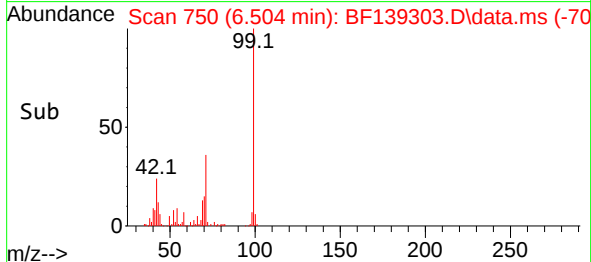
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-02



Tgt Ion: 99 Resp: 16423
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 35.8 28.8 43.2

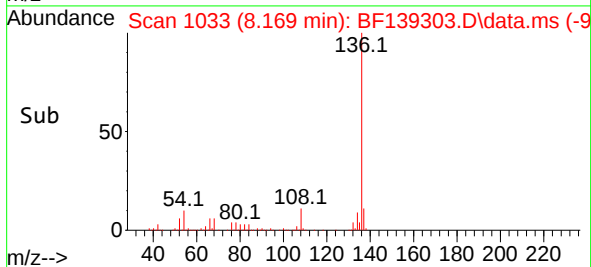
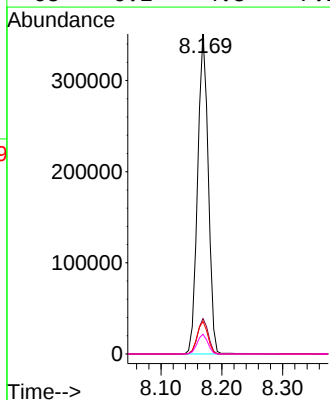
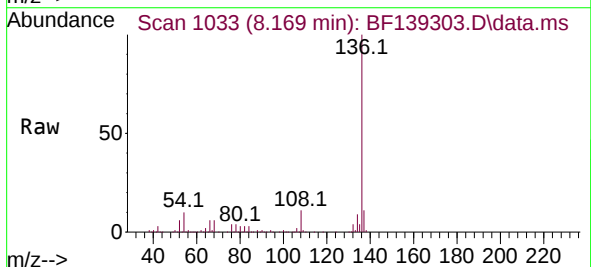
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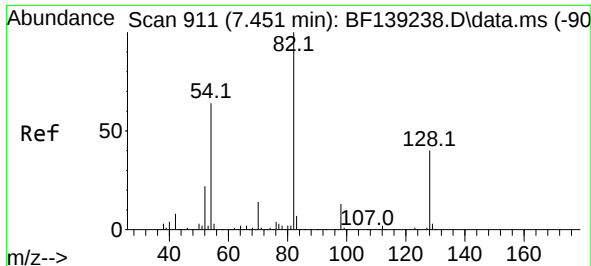
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

Tgt Ion:136 Resp: 426429
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.2 8.4 12.6
68 6.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 12.666 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-02

Tgt Ion: 82 Resp: 103824

Ion Ratio Lower Upper

82 100

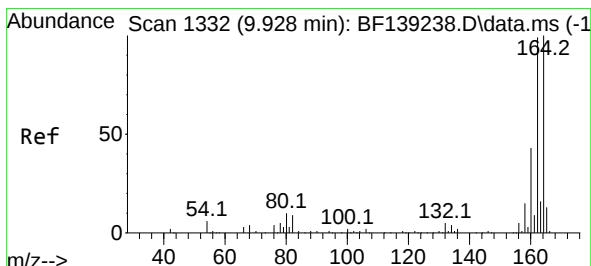
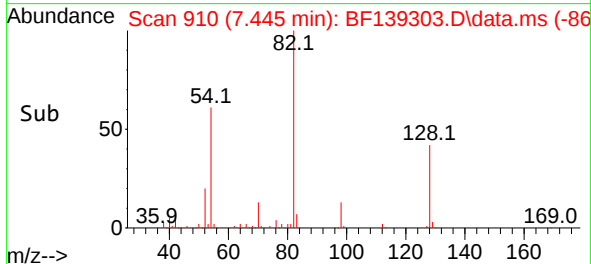
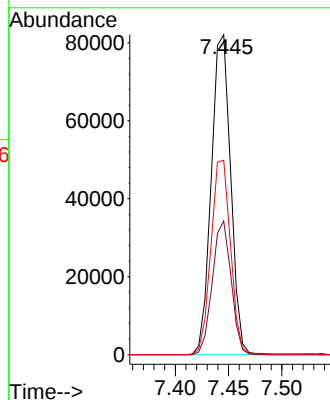
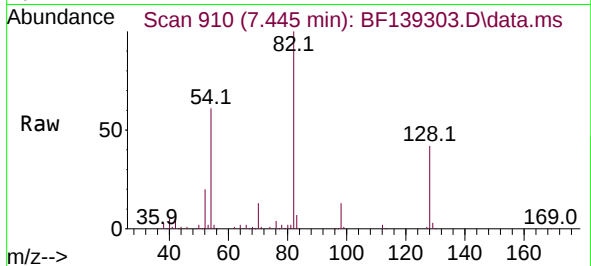
128 41.7 32.3 48.5

54 60.8 51.2 76.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

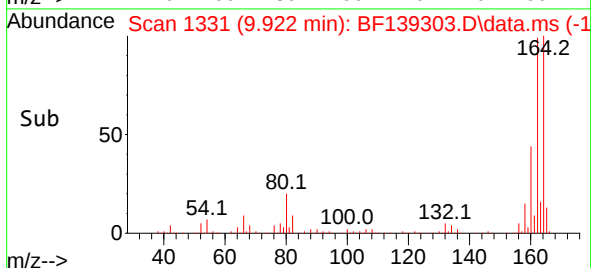
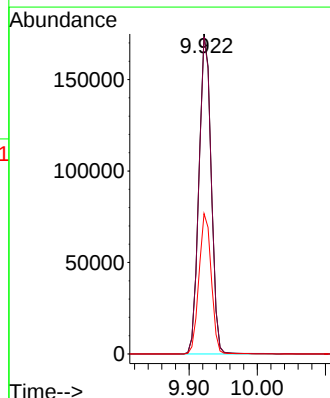
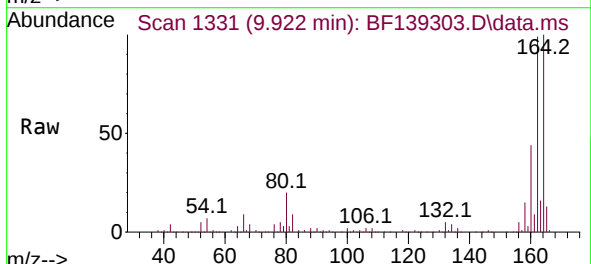
Tgt Ion:164 Resp: 217252

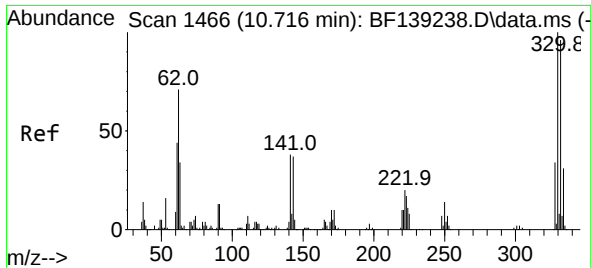
Ion Ratio Lower Upper

164 100

162 99.1 79.2 118.8

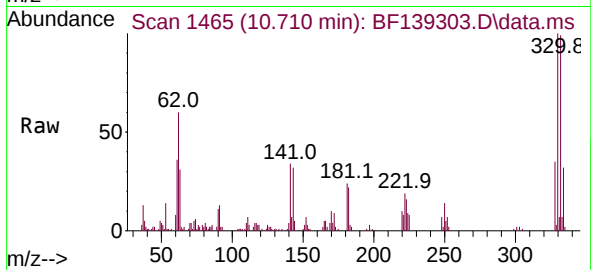
160 43.9 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 15.968 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

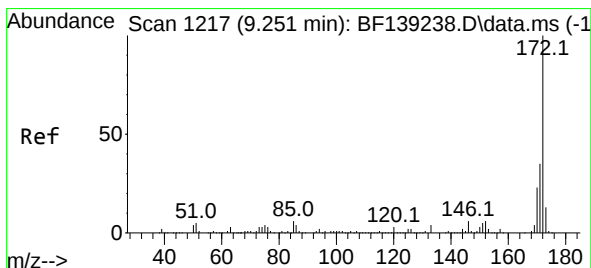
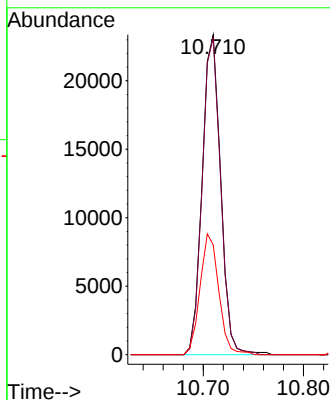
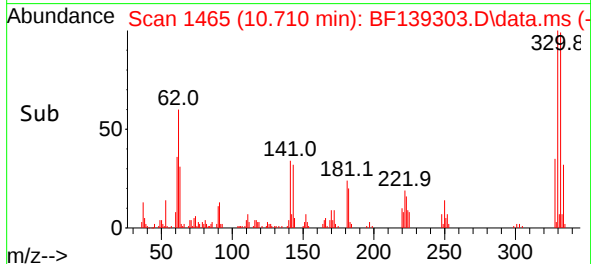
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-02



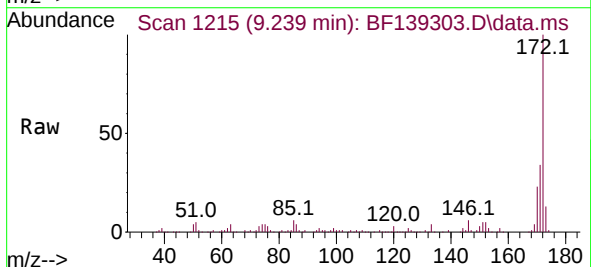
Tgt Ion: 330 Resp: 29950
Ion Ratio Lower Upper
330 100
332 98.1 76.6 115.0
141 38.4 30.1 45.1

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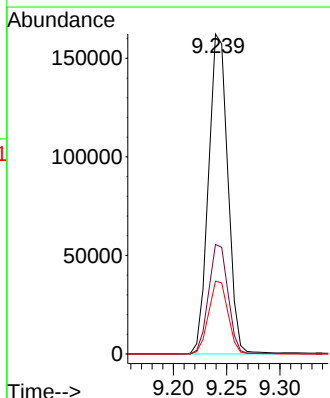
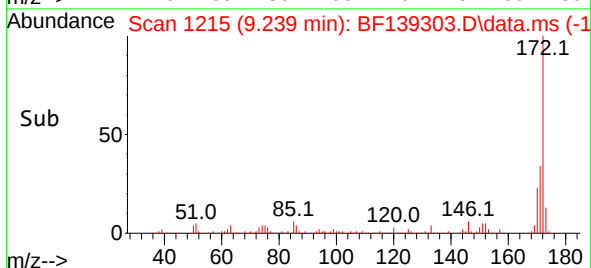
Reviewed By : Jagrut Upadhyay 09/11/2024
Supervised By : mohammad ahmed 09/12/2024

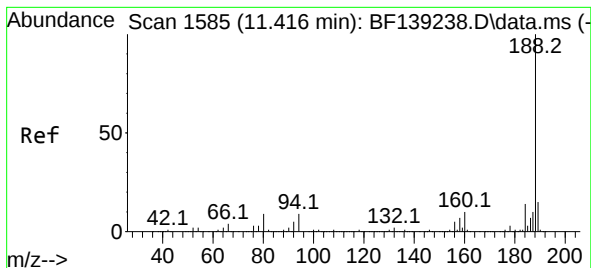


#45
2-Fluorobiphenyl
Concen: 14.555 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58



Tgt Ion: 172 Resp: 204854
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 22.7 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-02

Tgt Ion:188 Resp: 31433

Ion Ratio Lower Upper

188 100

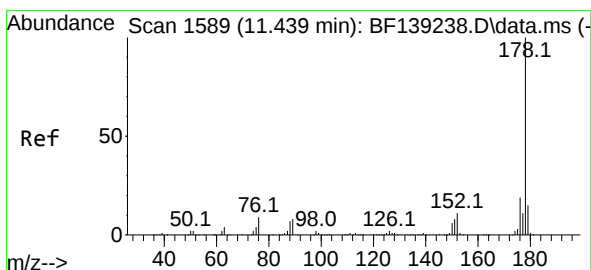
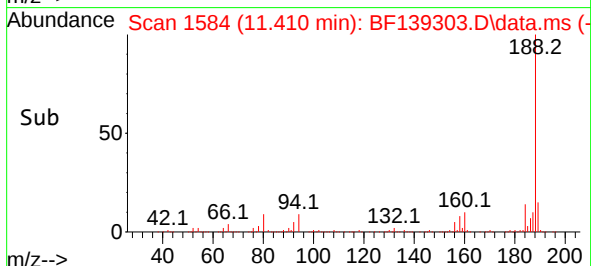
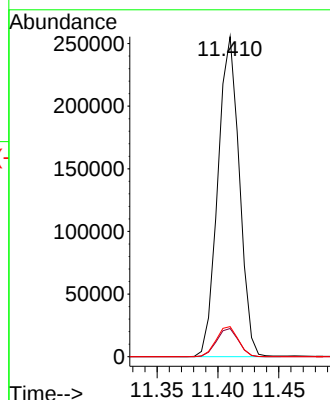
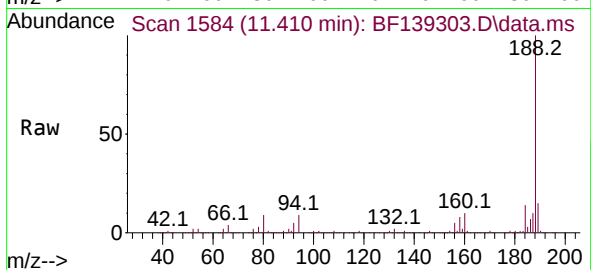
94 8.8 7.0 10.4

80 9.4 7.3 10.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#71

Phenanthrene

Concen: 11.264 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

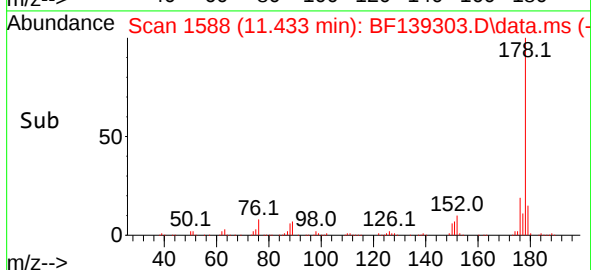
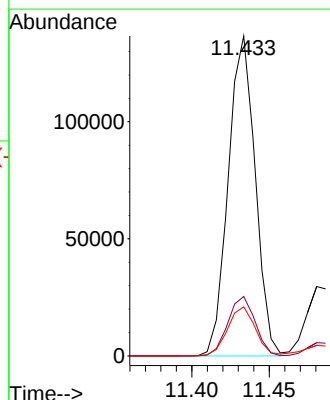
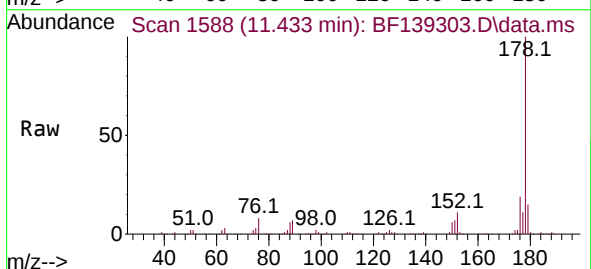
Tgt Ion:178 Resp: 165410

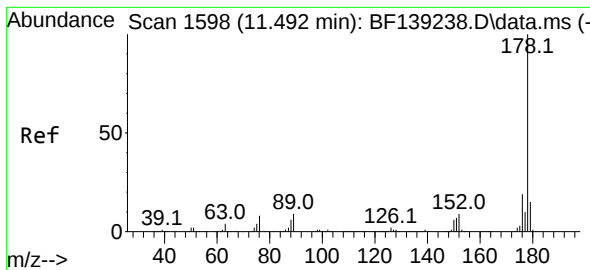
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

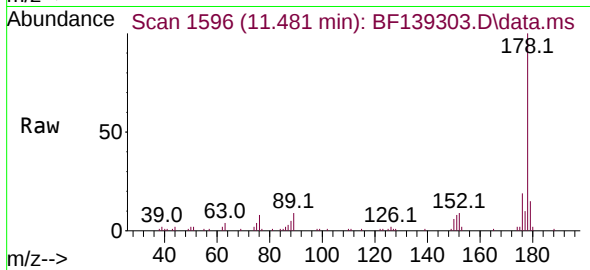
179 15.4 12.3 18.5





#72
 Anthracene
 Concen: 2.857 ng
 RT: 11.481 min Scan# 1598
 Delta R.T. -0.012 min
 Lab File: BF139303.D
 Acq: 10 Sep 2024 16:58

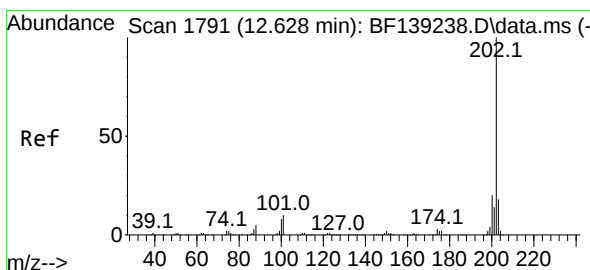
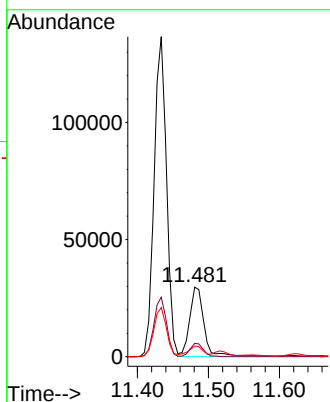
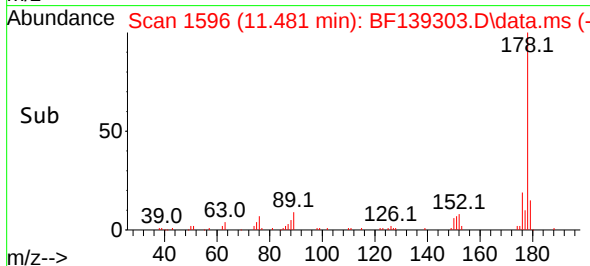
Instrument :
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 SU-701-COMP-02



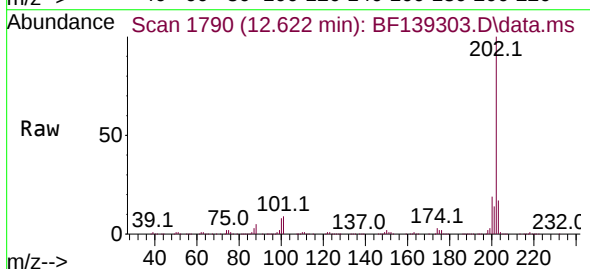
Tgt Ion:178 Resp: 40988
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.4
 179 15.2 12.3 18.5

Manual Integrations
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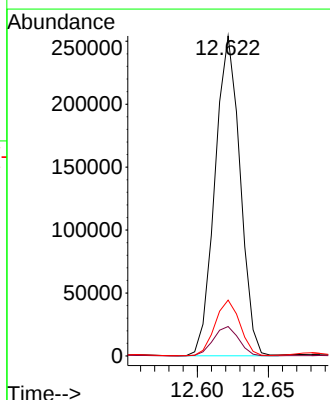
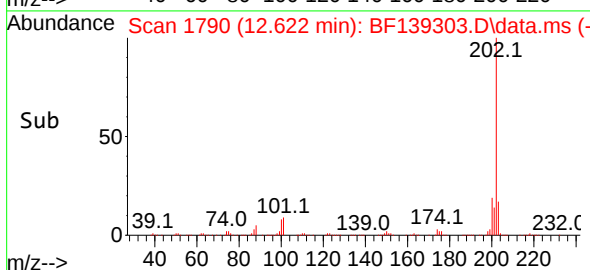
Reviewed By :Jagrut Upadhyay 09/11/2024
 Supervised By :mohammad ahmed 09/12/2024

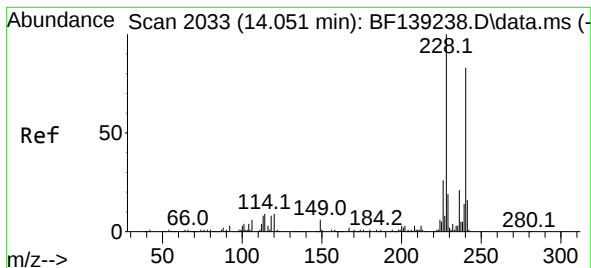


#75
 Fluoranthene
 Concen: 21.208 ng
 RT: 12.622 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: BF139303.D
 Acq: 10 Sep 2024 16:58



Tgt Ion:202 Resp: 312221
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.9
 203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-02

Tgt Ion:240 Resp: 20926

Ion Ratio Lower Upper

240 100

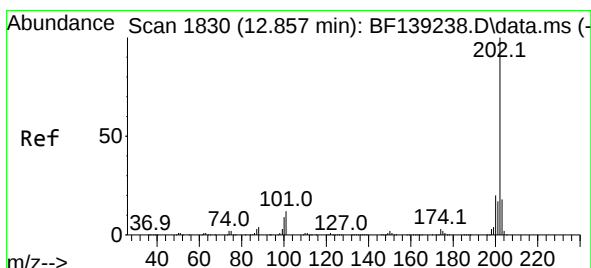
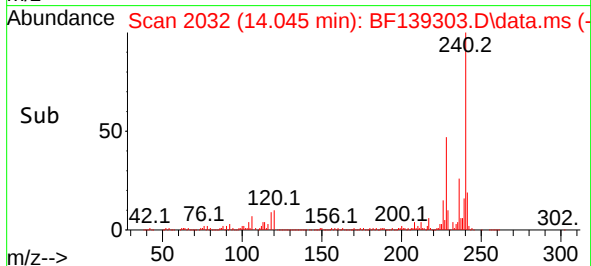
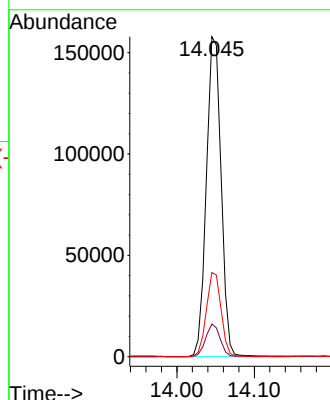
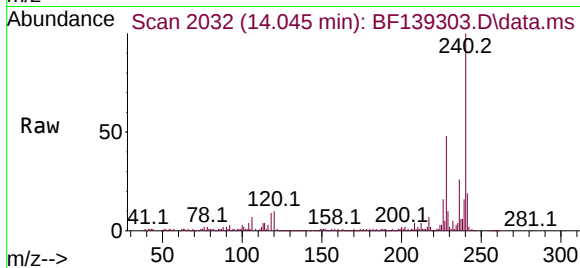
120 10.2 8.6 12.8

236 26.3 20.7 31.1

Manual Integrations

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#78

Pyrene

Concen: 12.887 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

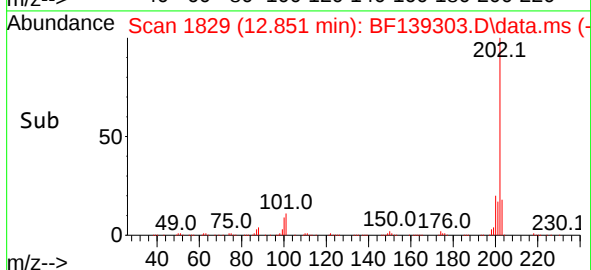
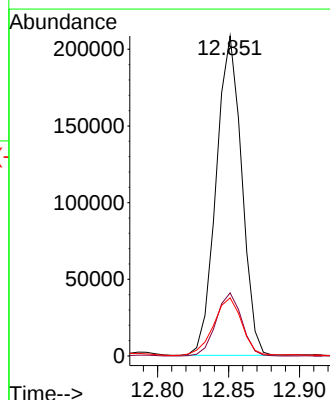
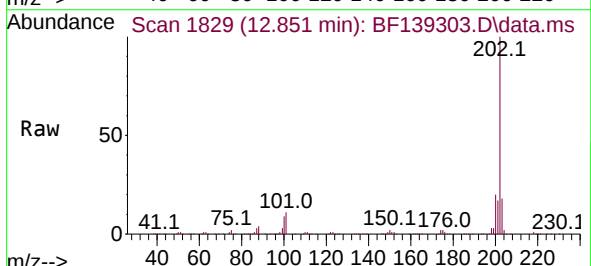
Tgt Ion:202 Resp: 260512

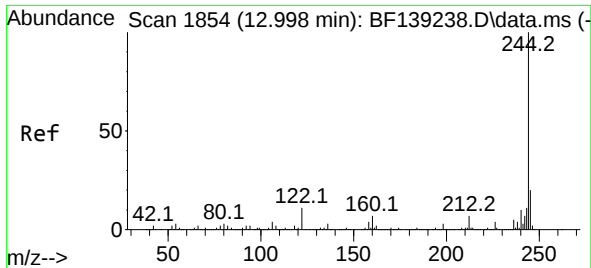
Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

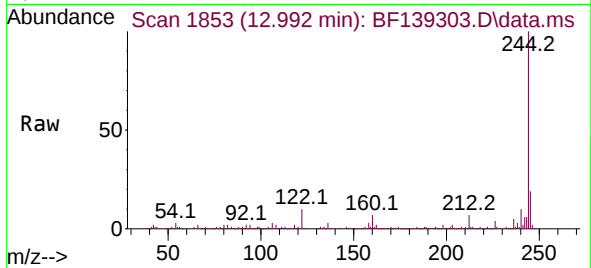
203 18.2 14.1 21.1





#79
 Terphenyl-d14
 Concen: 11.579 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF139303.D
 Acq: 10 Sep 2024 16:58

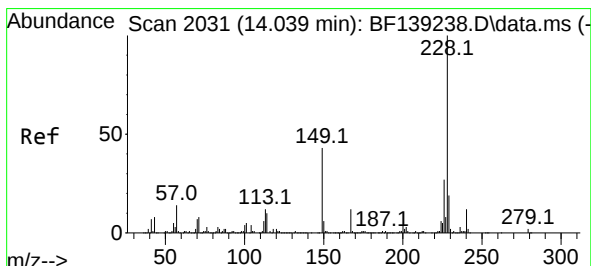
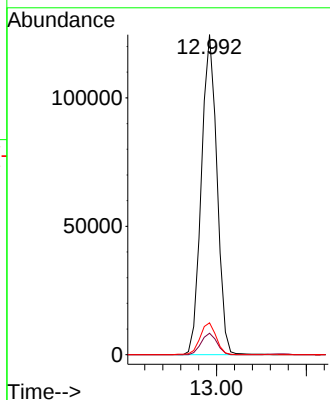
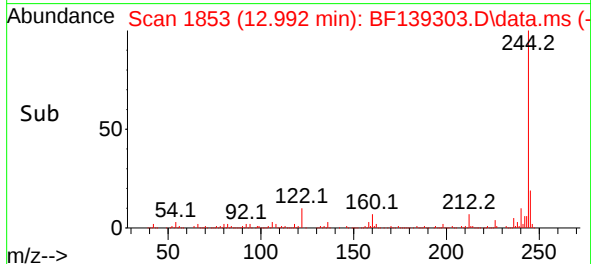
Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-02



Tgt Ion:244 Resp: 150080
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 10.0 8.7 13.1

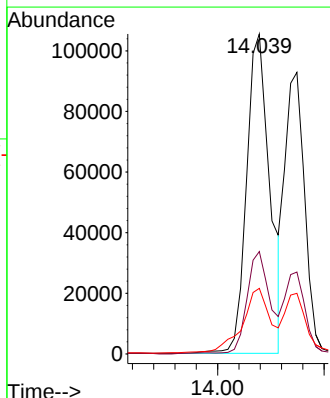
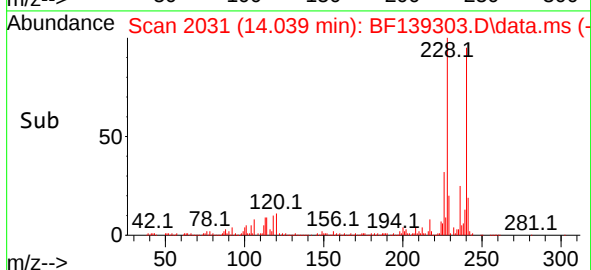
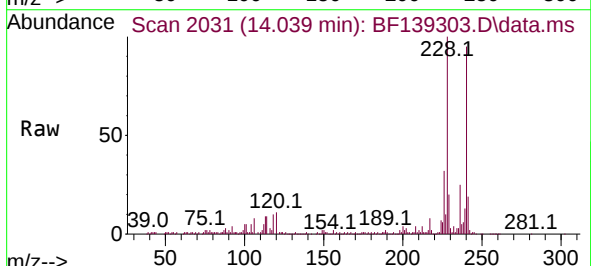
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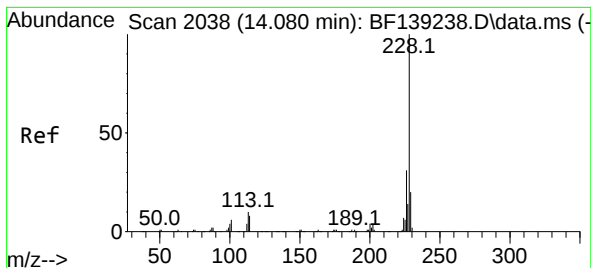
Reviewed By :Jagrut Upadhyay 09/11/2024
 Supervised By :mohammad ahmed 09/12/2024



#81
 Benzo(a)anthracene
 Concen: 11.942 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF139303.D
 Acq: 10 Sep 2024 16:58

Tgt Ion:228 Resp: 159576
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.5 32.3
 229 20.5 15.6 23.4





#83

Chrysene

Concen: 9.564 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-02

Tgt Ion:228 Resp: 119280

Ion Ratio Lower Upper

228 100

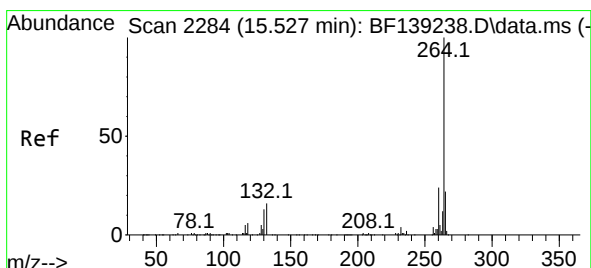
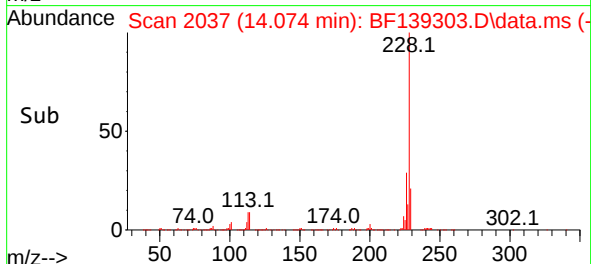
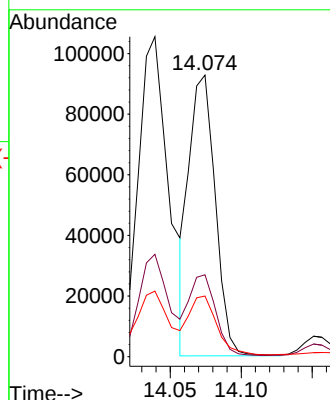
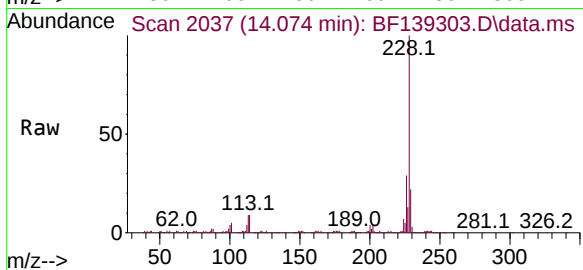
226 29.1 23.8 35.8

229 21.5 15.8 23.6

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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

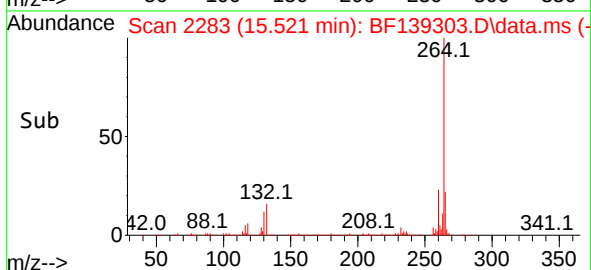
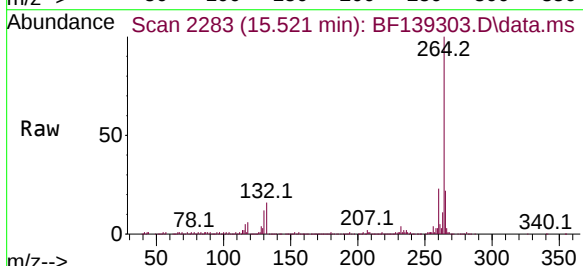
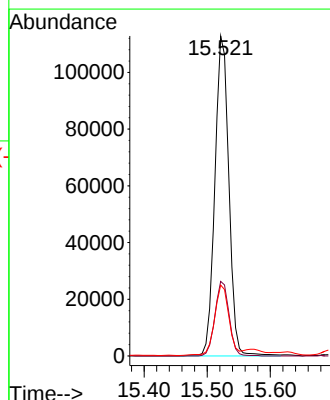
Tgt Ion:264 Resp: 173673

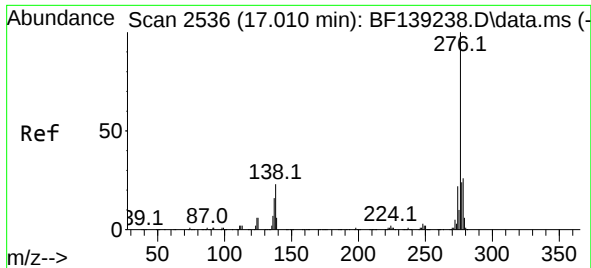
Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

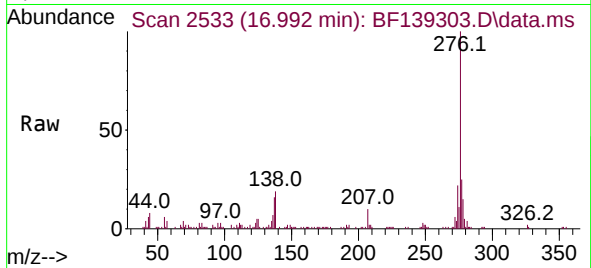
265 22.1 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.450 ng
RT: 16.992 min Scan# 2110
Delta R.T. -0.018 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

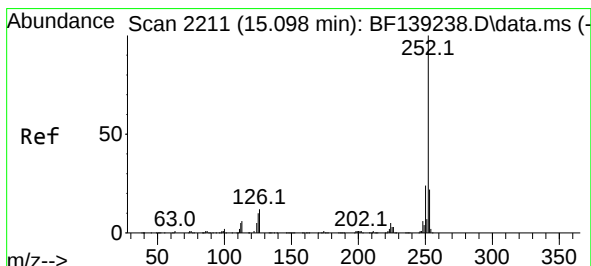
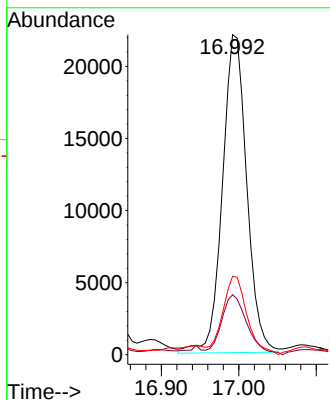
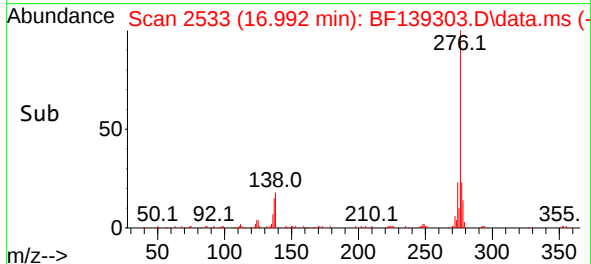
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-02



Tgt Ion:276 Resp: 48280
Ion Ratio Lower Upper
276 100
138 19.8 20.4 30.6
277 24.7 20.3 30.5

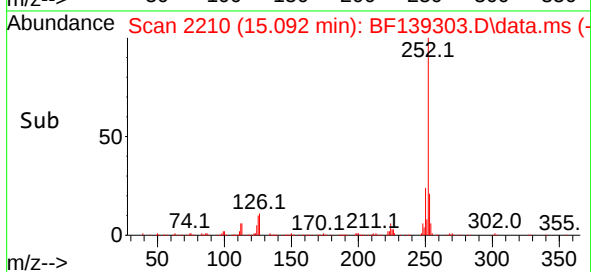
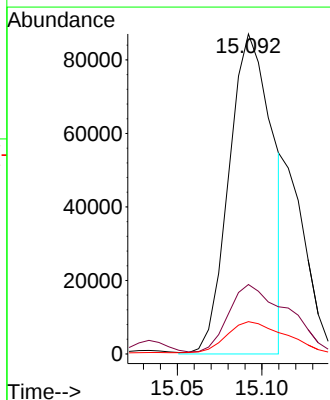
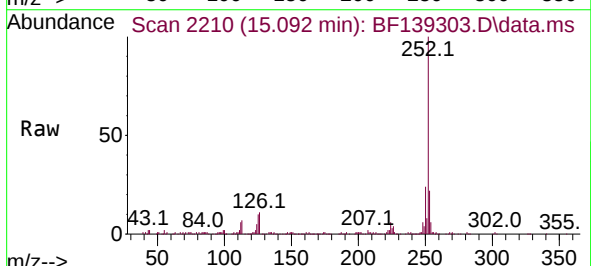
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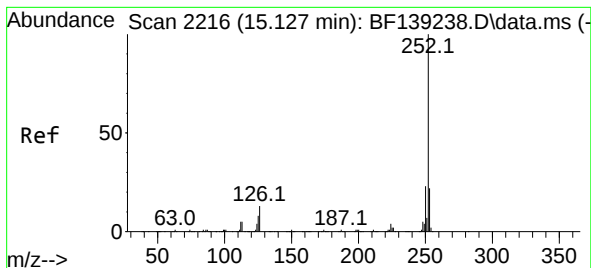
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#88
Benzo(b)fluoranthene
Concen: 15.531 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139303.D
Acq: 10 Sep 2024 16:58

Tgt Ion:252 Resp: 155337
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 10.1 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 5.348 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

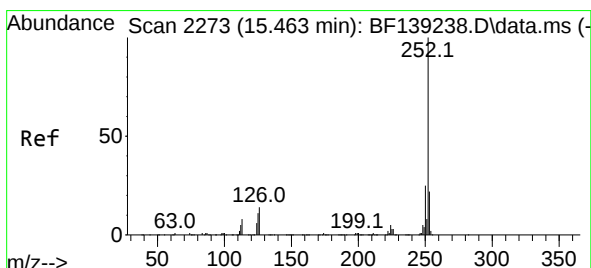
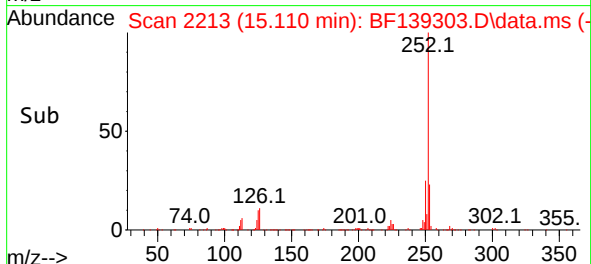
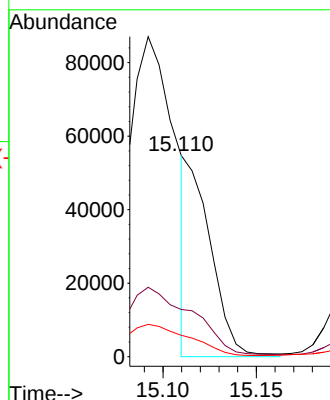
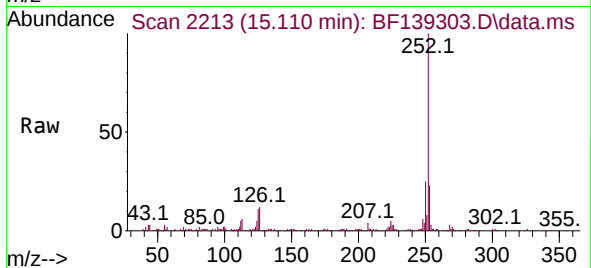
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Tgt Ion:252 Resp: 4796
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.6 26.4
 125 10.7 7.2 10.8

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 Supervised By :mohammad ahmed 09/12/2024



#90

Benzo(a)pyrene

Concen: 11.153 ng

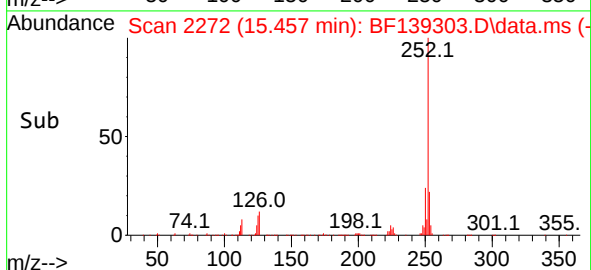
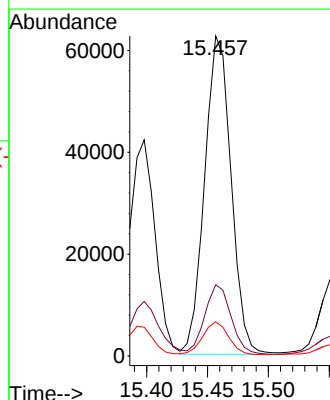
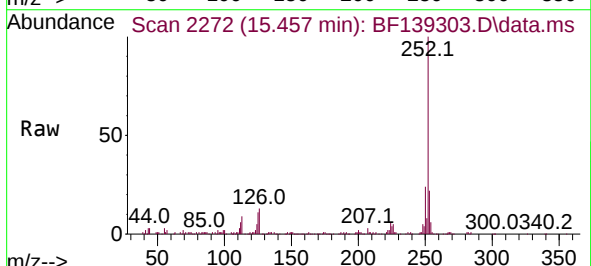
RT: 15.457 min Scan# 2272

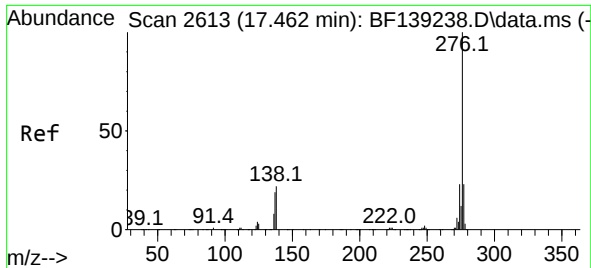
Delta R.T. -0.006 min

Lab File: BF139303.D

Acq: 10 Sep 2024 16:58

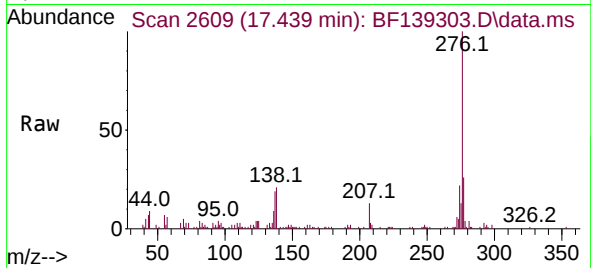
Tgt Ion:252 Resp: 94724
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 10.7 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.452 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF139303.D
 Acq: 10 Sep 2024 16:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-02



Tgt Ion: 276 Resp: 4108
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.6 27.8
 138 21.1 17.4 26.0

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 Supervised By :mohammad ahmed 09/12/2024

