

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139312.D
 Acq On : 10 Sep 2024 21:29
 Operator : RC/JU
 Sample : P3907-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-701-COMP-55

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 01:32:40 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	100381	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	362805	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	179730	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	260419	20.000	ng	0.00
76) Chrysene-d12	14.045	240	185372	20.000	ng	0.00
86) Perylene-d12	15.521	264	140593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	107776	17.961	ng	-0.01
7) Phenol-d6	6.504	99	145491	18.162	ng	-0.01
23) Nitrobenzene-d5	7.445	82	94286	13.520	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	25262	16.277	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	176775	15.183	ng	-0.01
79) Terphenyl-d14	12.992	244	130555	11.371	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	97250	7.994	ng	99
75) Fluoranthene	12.622	202	230281	18.881	ng	99
78) Pyrene	12.851	202	205927	11.500	ng	99
81) Benzo(a)anthracene	14.039	228	128441	10.851	ng	96
83) Chrysene	14.068	228	96033	8.693	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	32994	3.757	ng	95
88) Benzo(b)fluoranthene	15.092	252	109398m	13.511	ng	
89) Benzo(k)fluoranthene	15.110	252	30321m	4.177	ng	
90) Benzo(a)pyrene	15.457	252	65806	9.572	ng	99
92) Benzo(g,h,i)perylene	17.439	276	27917	3.737	ng	97

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

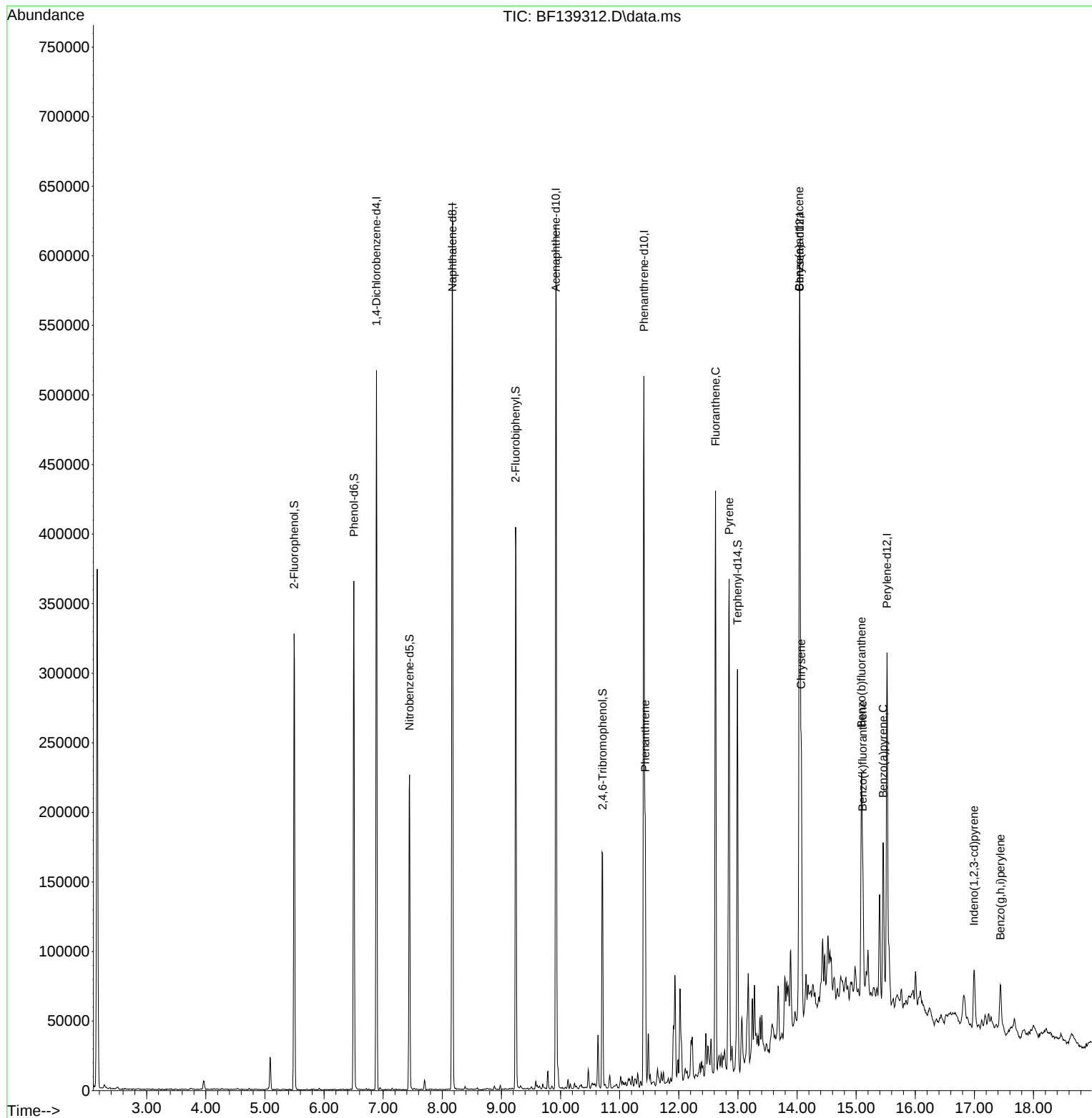
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
Data File : BF139312.D
Acq On : 10 Sep 2024 21:29
Operator : RC/JU
Sample : P3907-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

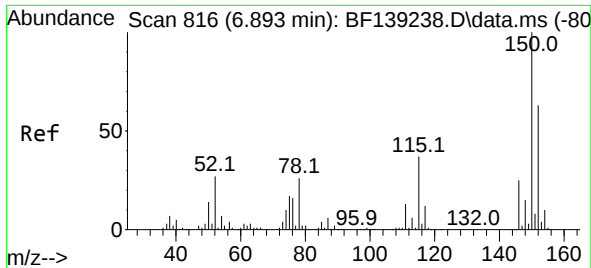
Instrument :
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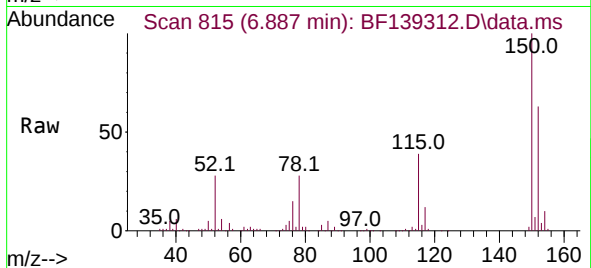
Quant Time: Sep 11 01:32:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

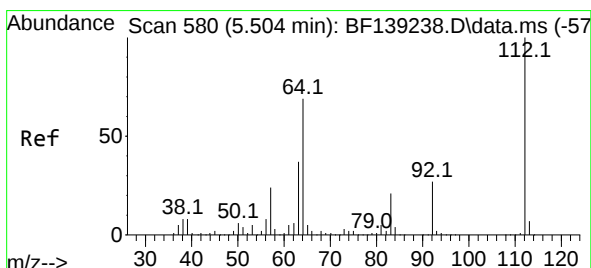
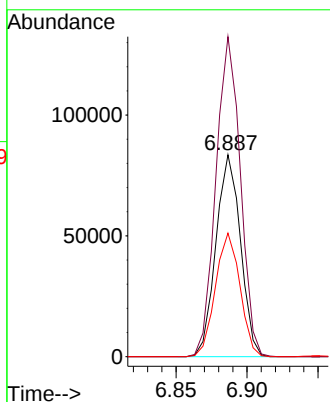
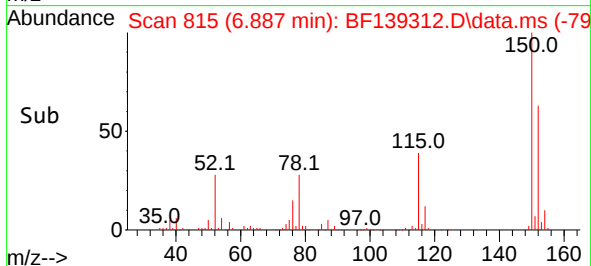
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55



Tgt Ion:152 Resp: 10038
Ion Ratio Lower Upper
152 100
150 158.5 127.0 190.4
115 61.2 46.9 70.3

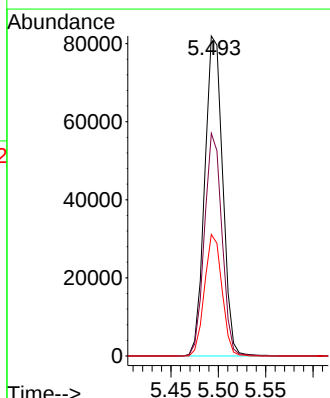
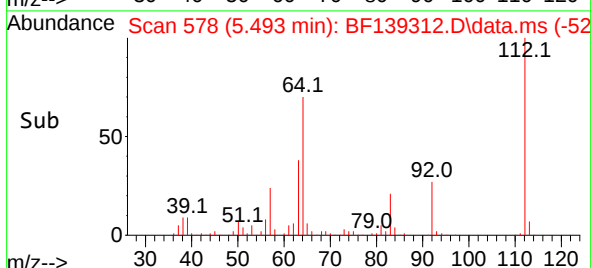
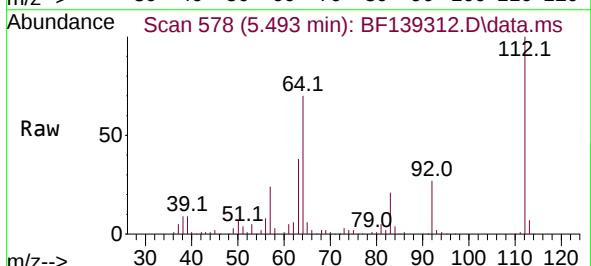
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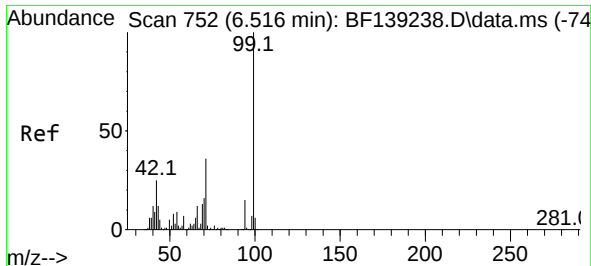
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#5
2-Fluorophenol
Concen: 17.961 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

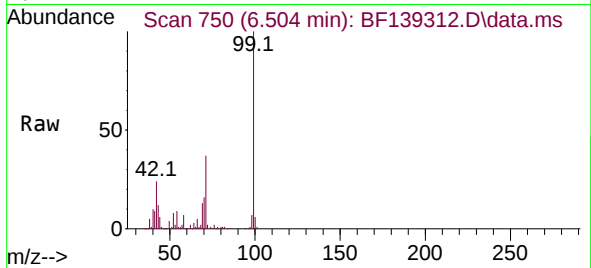
Tgt Ion:112 Resp: 107776
Ion Ratio Lower Upper
112 100
64 69.5 55.0 82.4
63 38.0 29.9 44.9





#7
Phenol-d6
Concen: 18.162 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

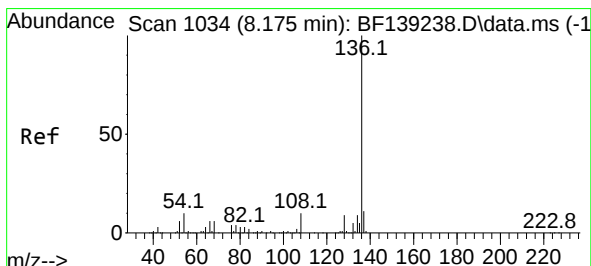
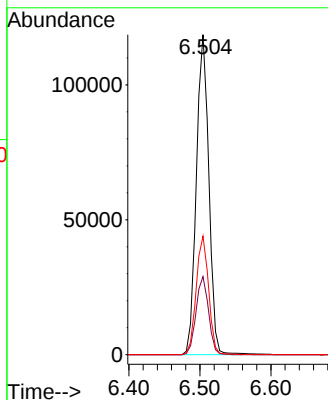
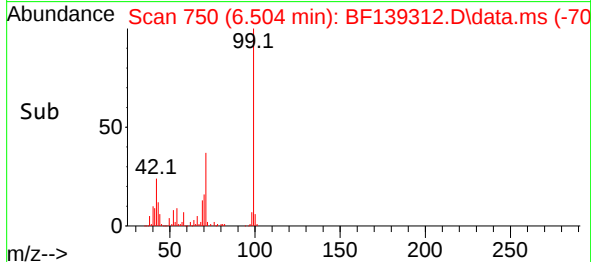
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55



Tgt Ion: 99 Resp: 14549
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 37.1 28.8 43.2

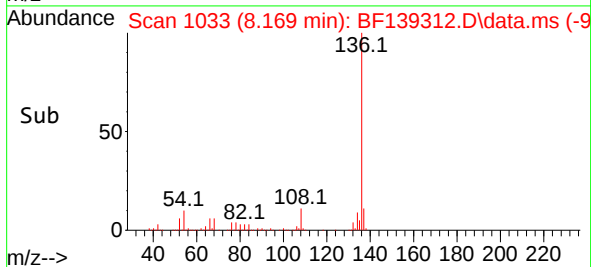
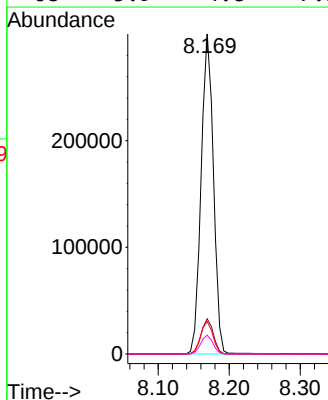
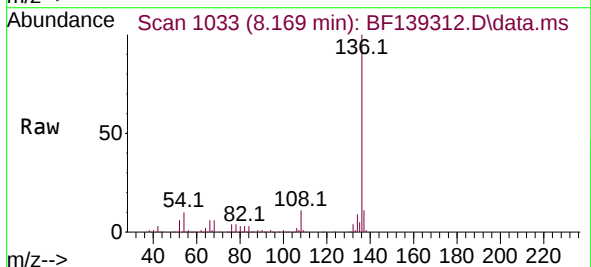
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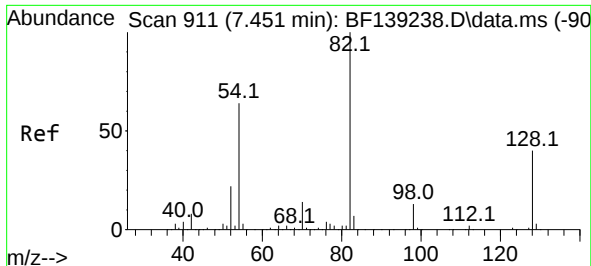
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:136 Resp: 362805
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.1 8.4 12.6
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 13.520 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

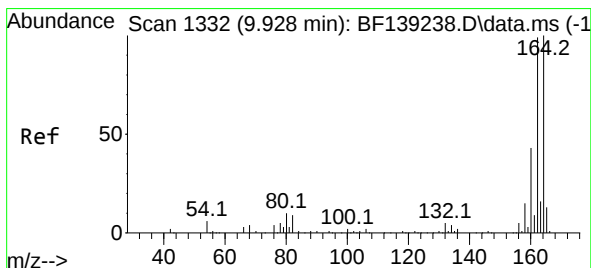
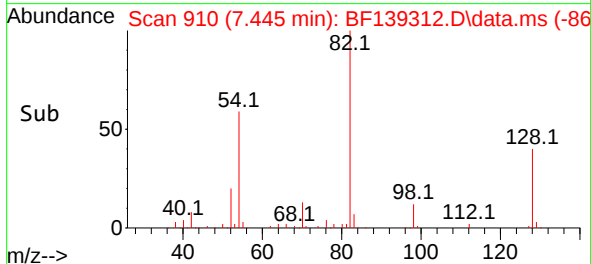
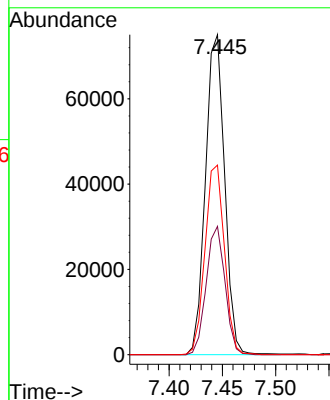
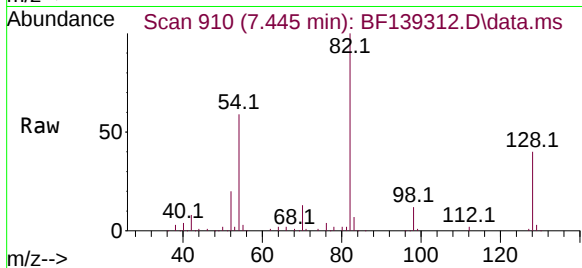
PL-701-COMP-55

Tgt Ion: 82 Resp: 94280
 Ion Ratio Lower Upper
 82 100
 128 40.1 32.3 48.5
 54 59.3 51.2 76.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

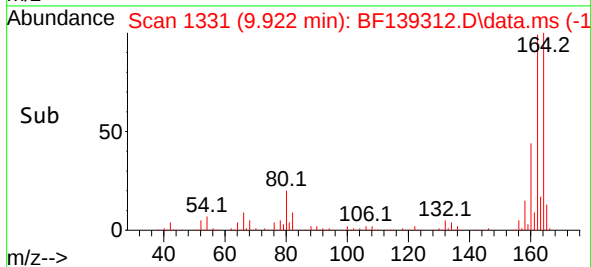
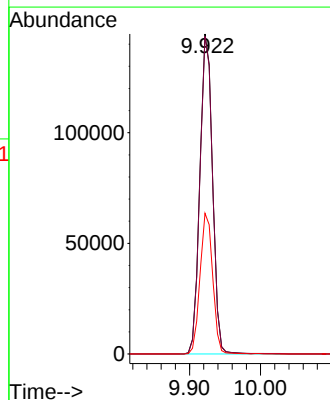
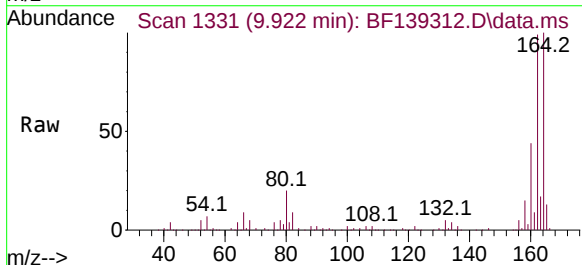
RT: 9.922 min Scan# 1331

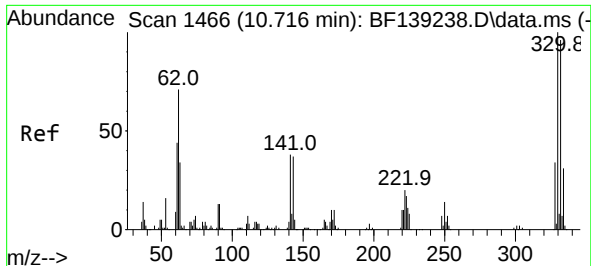
Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Tgt Ion:164 Resp: 179730
 Ion Ratio Lower Upper
 164 100
 162 99.2 79.2 118.8
 160 44.0 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 16.277 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

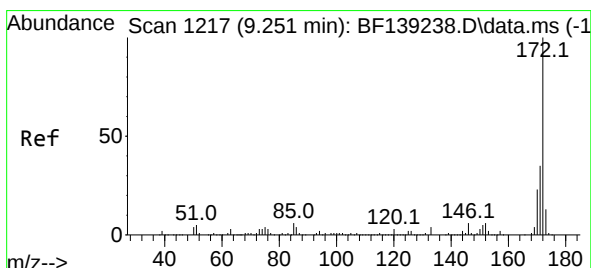
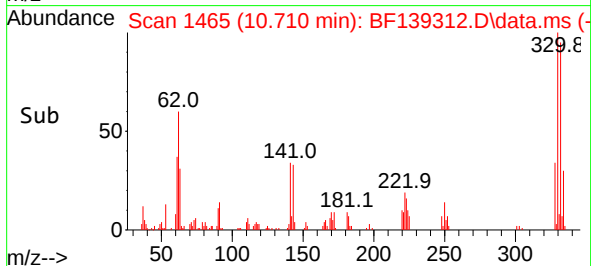
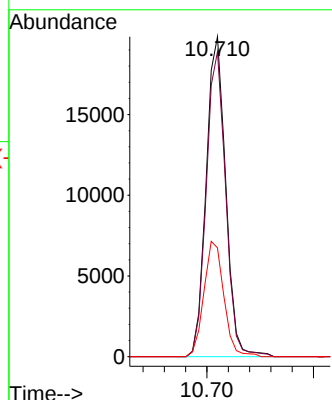
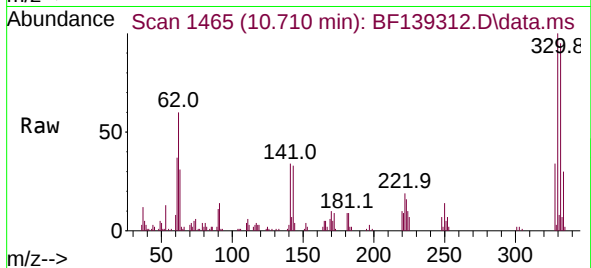
PL-701-COMP-55

Tgt Ion: 330 Resp: 2526
Ion Ratio Lower Upper
330 100
332 94.6 76.6 115.0
141 36.9 30.1 45.1

Manual Integrations

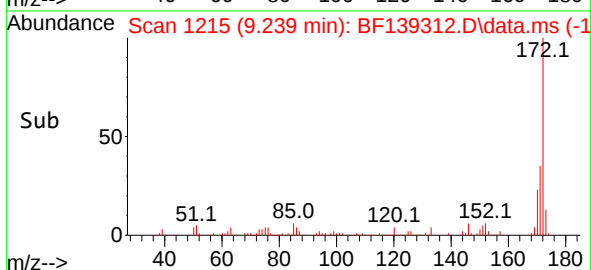
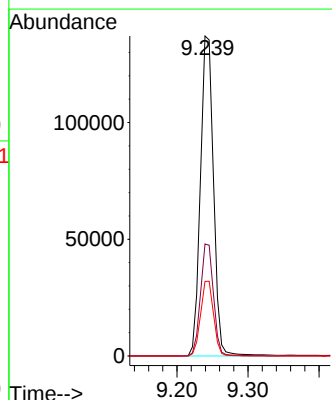
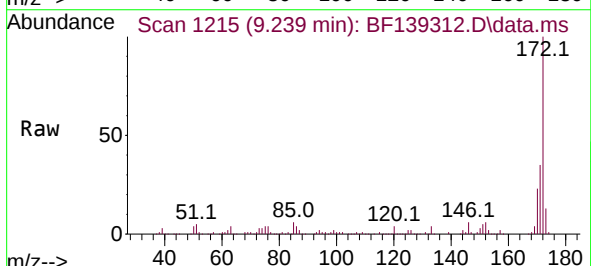
APPROVED

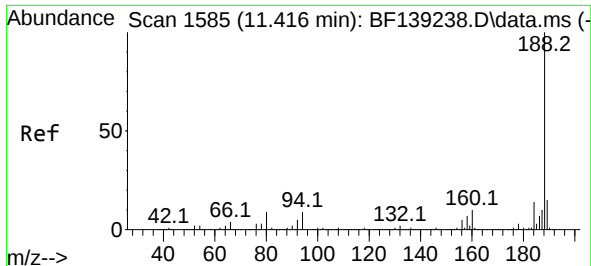
Reviewed By : Jagrut Upadhyay 09/11/2024
Supervised By : mohammad ahmed 09/12/2024



#45
2-Fluorobiphenyl
Concen: 15.183 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

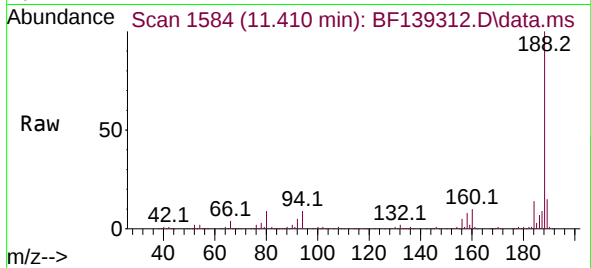
Tgt Ion: 172 Resp: 176775
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.3 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

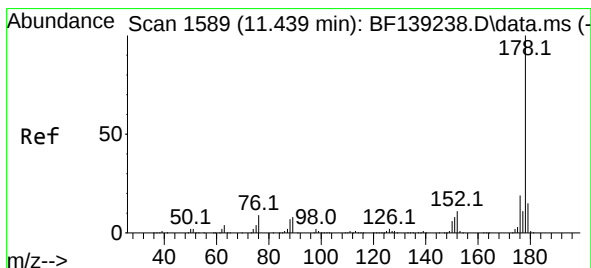
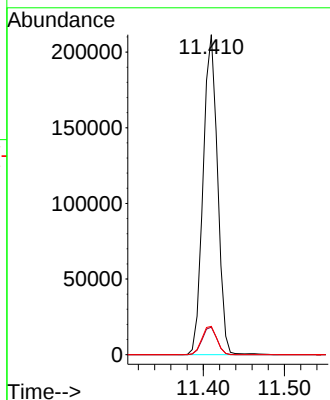
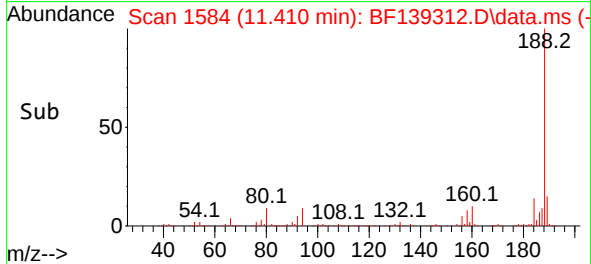
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55



Tgt Ion:188 Resp: 260419
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 8.9 7.3 10.9

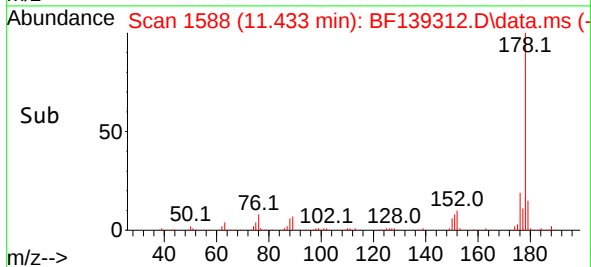
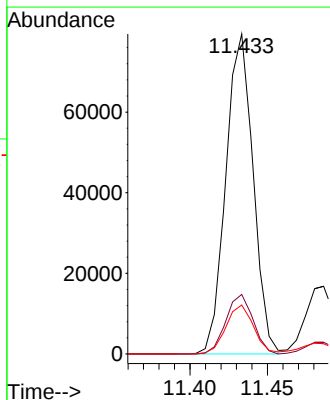
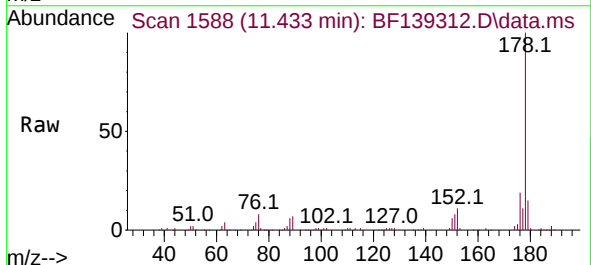
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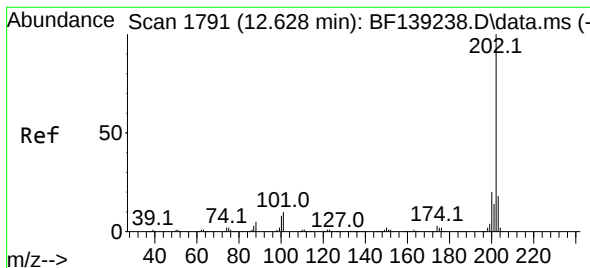
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#71
Phenanthrene
Concen: 7.994 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

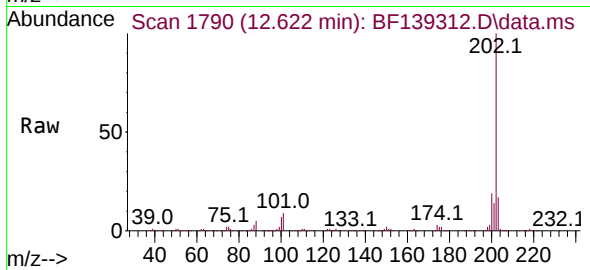
Tgt Ion:178 Resp: 97250
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.3 12.3 18.5





#75
Fluoranthene
Concen: 18.881 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

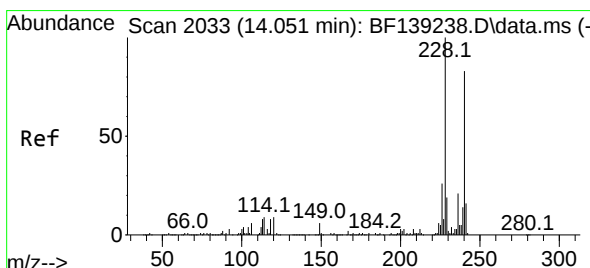
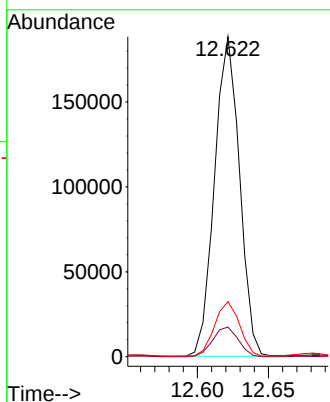
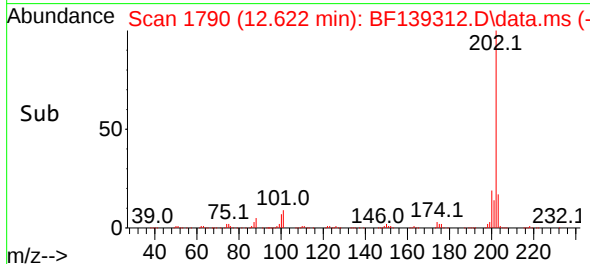
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55



Tgt Ion:202 Resp: 23028
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.9
203 17.2 0.0 37.7

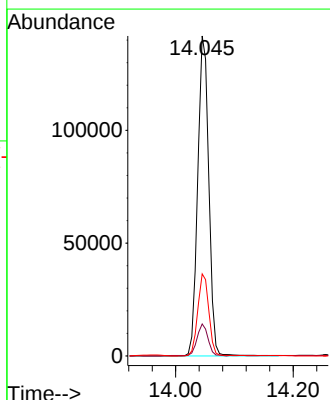
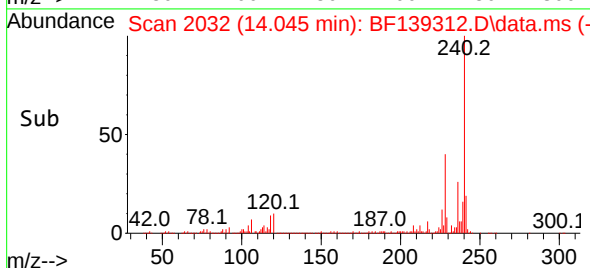
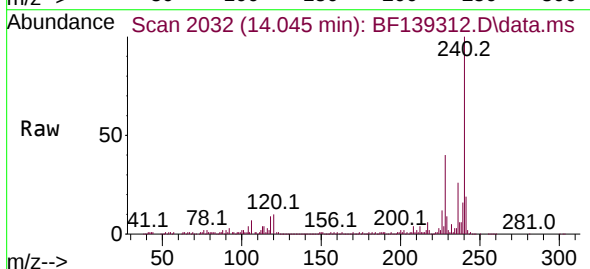
Manual Integrations
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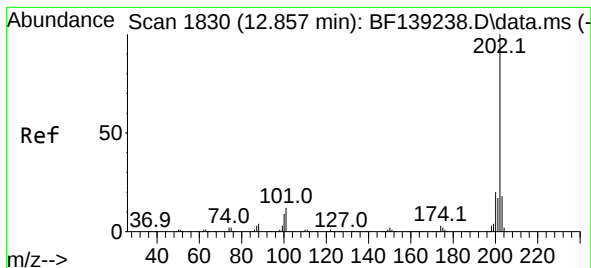
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:240 Resp: 185372
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 25.7 20.7 31.1





#78

Pyrene

Concen: 11.500 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

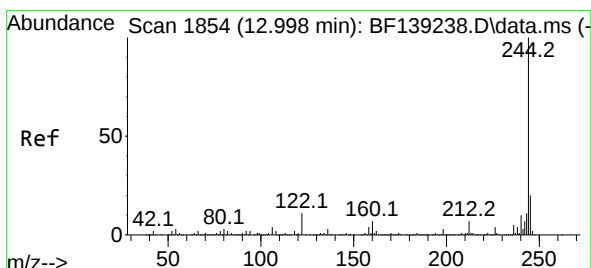
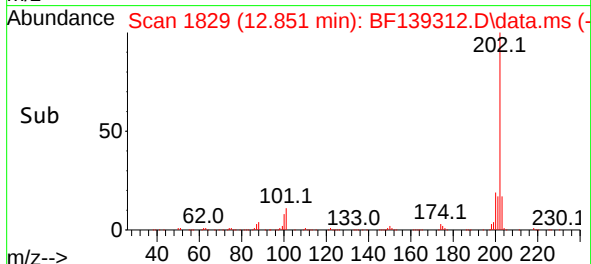
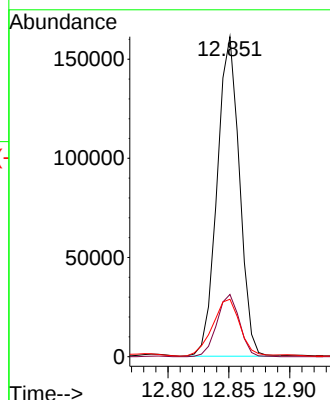
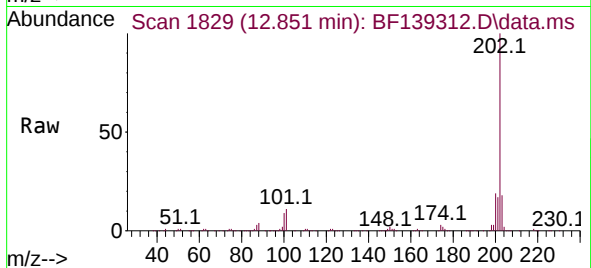
Tgt Ion:202 Resp: 20592

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.8	23.8
203	17.9	14.1	21.1

Manual Integrations

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



#79

Terphenyl-d14

Concen: 11.371 ng

RT: 12.992 min Scan# 1853

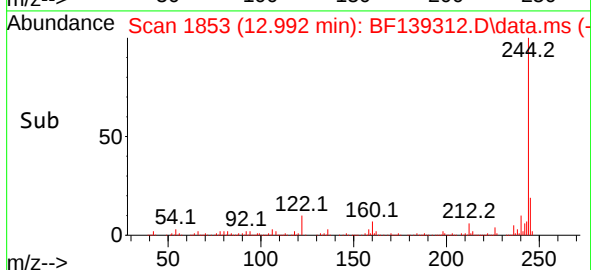
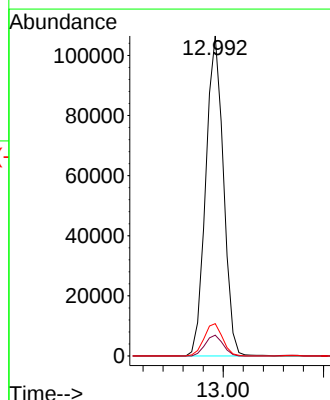
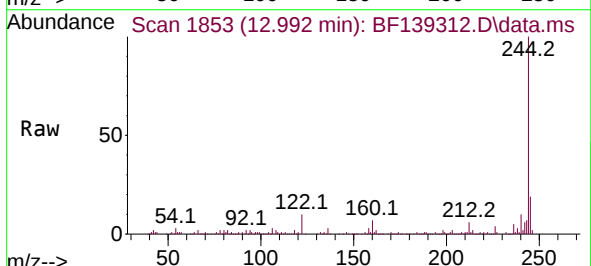
Delta R.T. -0.006 min

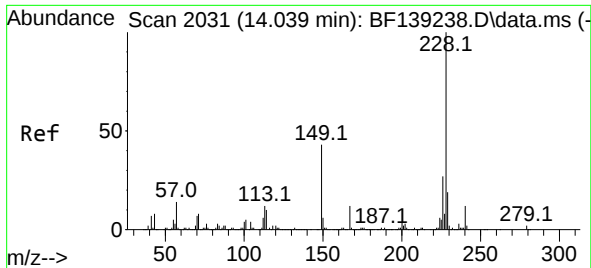
Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Tgt Ion:244 Resp: 130555

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	10.1	8.7	13.1





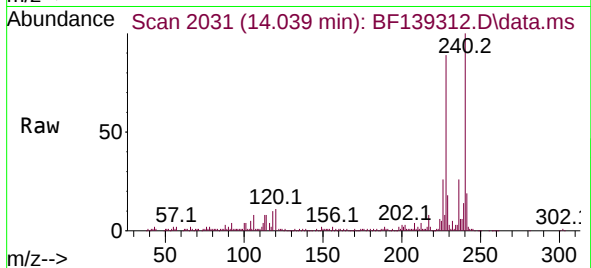
#81
Benzo(a)anthracene
Concen: 10.851 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

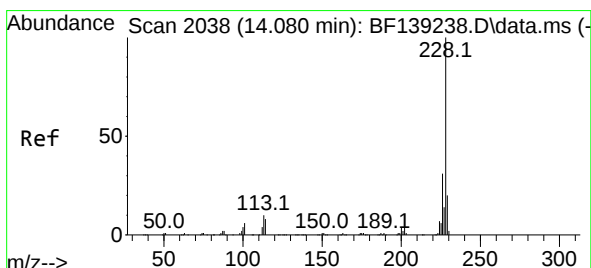
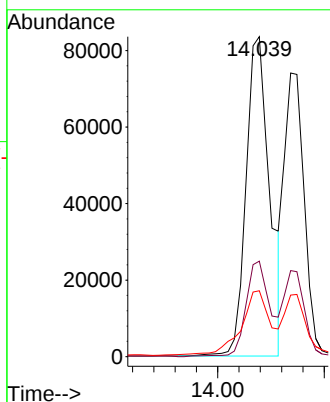
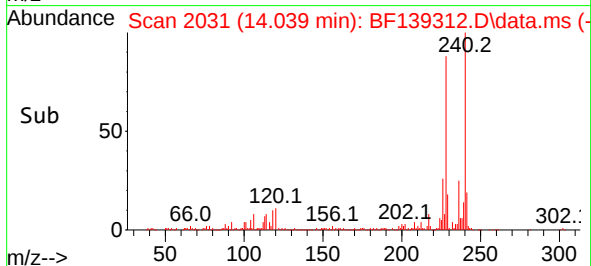


Tgt Ion:228 Resp: 12844
Ion Ratio Lower Upper
228 100
226 29.9 21.5 32.3
229 20.6 15.6 23.4

Manual Integrations

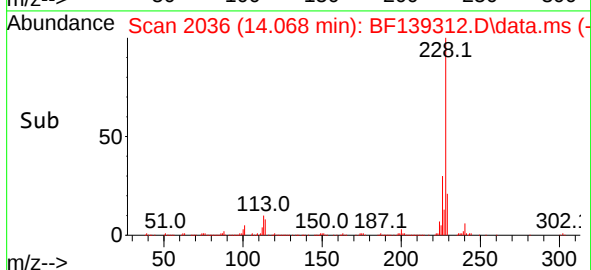
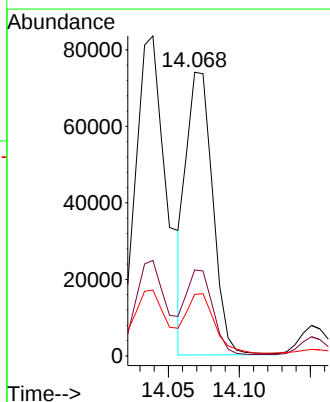
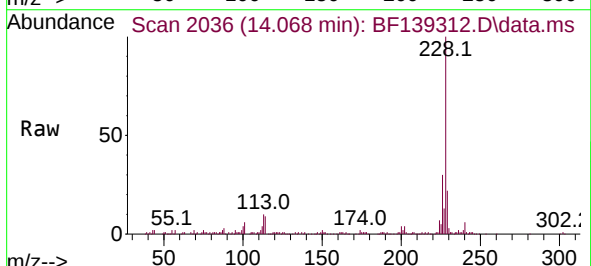
APPROVED

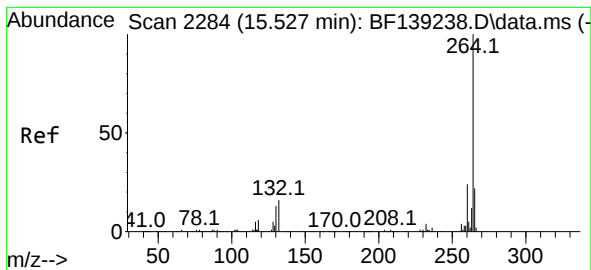
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#83
Chrysene
Concen: 8.693 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:228 Resp: 96033
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

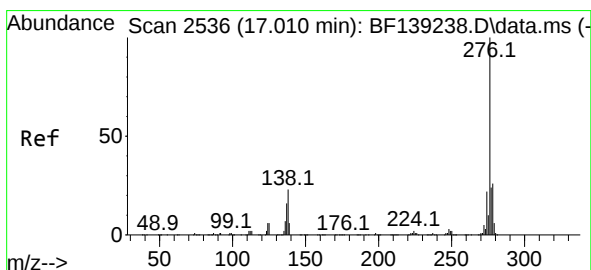
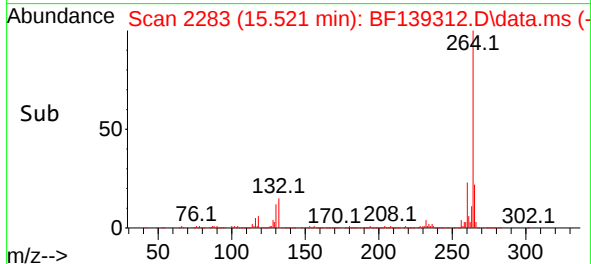
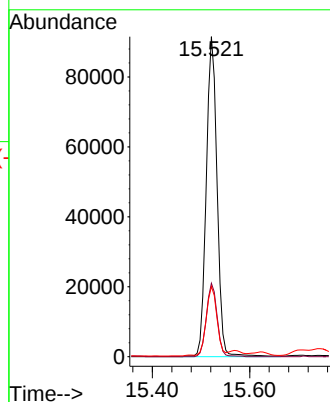
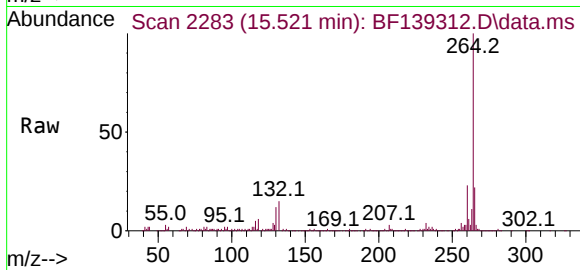
PL-701-COMP-55

Tgt Ion:	264	Resp:	14059
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.8	28.2
265	22.0	17.3	25.9

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.757 ng

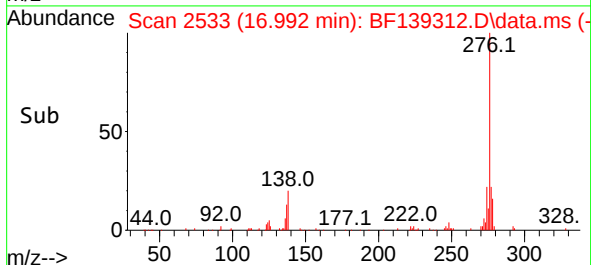
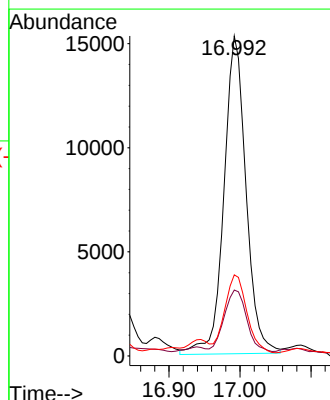
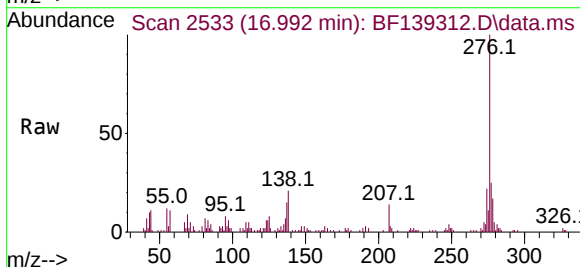
RT: 16.992 min Scan# 2533

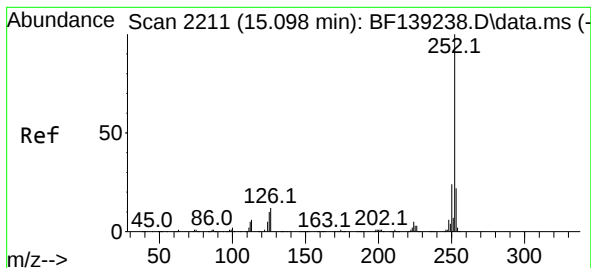
Delta R.T. -0.018 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Tgt Ion:	276	Resp:	32994
Ion Ratio	Lower	Upper	
276	100		
138	20.7	20.4	30.6
277	25.1	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 13.511 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

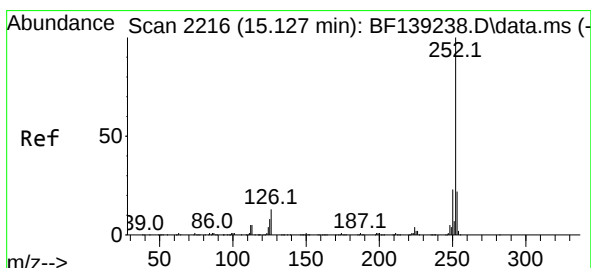
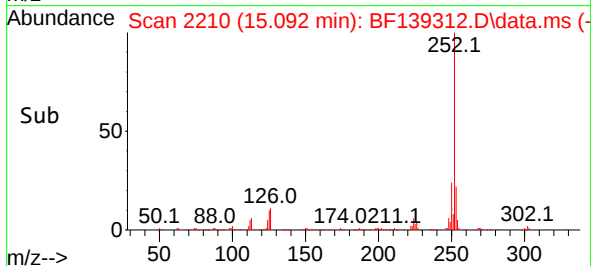
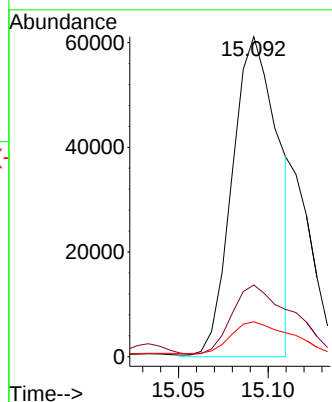
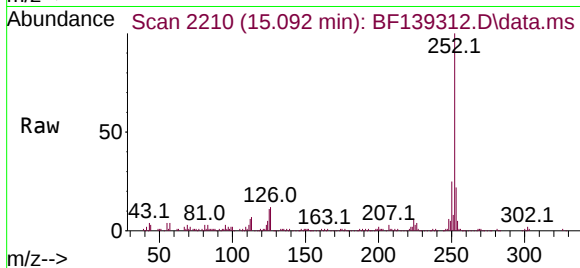
PL-701-COMP-55

Tgt Ion:252 Resp: 109398
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.6 26.4
 125 10.9 7.6 11.4

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 4.177 ng m

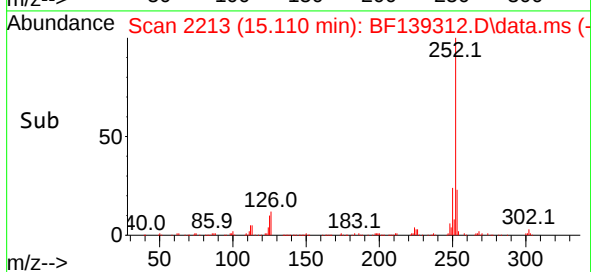
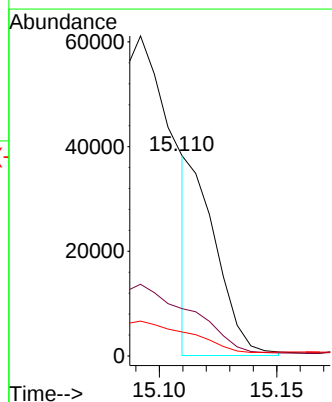
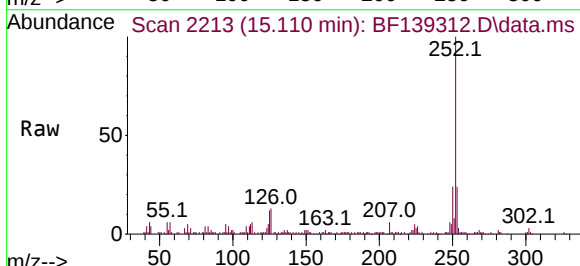
RT: 15.110 min Scan# 2213

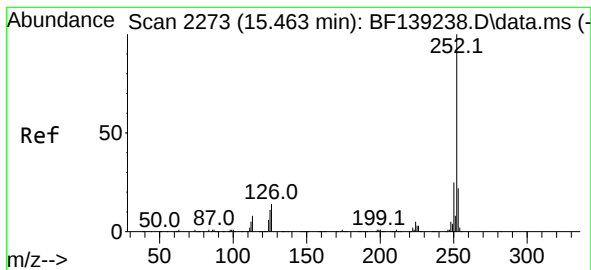
Delta R.T. -0.018 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Tgt Ion:252 Resp: 30321
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.6 26.4
 125 12.0 7.2 10.8





#90

Benzo(a)pyrene

Concen: 9.572 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

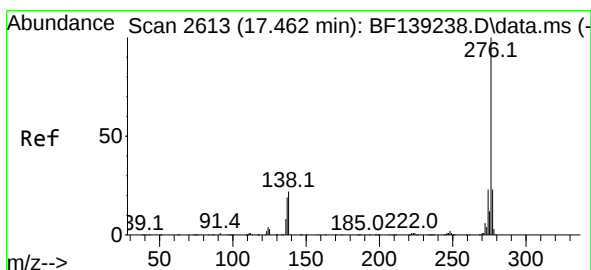
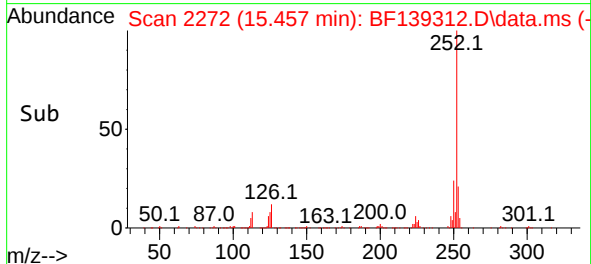
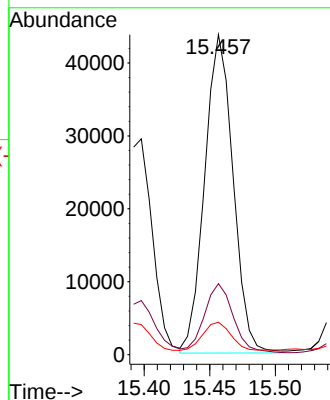
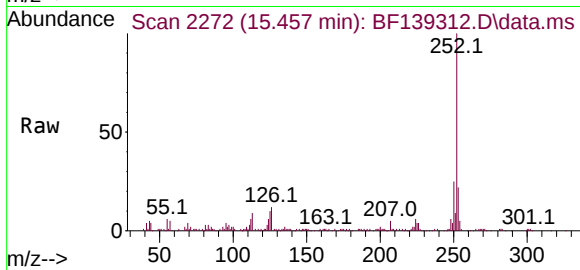
PL-701-COMP-55

Tgt Ion:	252	Resp:	65800
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	10.2	8.6	13.0

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 3.737 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.024 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Tgt Ion:	276	Resp:	27917
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	27.8
138	23.2	17.4	26.0

