

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139444.D
 Acq On : 19 Sep 2024 00:03
 Operator : RC/JU
 Sample : P4014-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-09162024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 19 01:32:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65817	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	211617	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	95237	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	166015	20.000	ng	0.00
76) Chrysene-d12	14.033	240	108868	20.000	ng	0.00
86) Perylene-d12	15.504	264	84283	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	80118	19.858	ng	0.00
7) Phenol-d6	6.498	99	99796	18.845	ng	0.00
23) Nitrobenzene-d5	7.434	82	64078	14.235	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	16810	16.579	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	108597	15.993	ng	0.00
79) Terphenyl-d14	12.974	244	105851	15.959	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.604	202	27318	3.194	ng	98
78) Pyrene	12.833	202	39050	4.177	ng	99
81) Benzo(a)anthracene	14.021	228	15313	2.123	ng	# 76
83) Chrysene	14.057	228	13668	2.060	ng	# 93
88) Benzo(b)fluoranthene	15.068	252	12014m	2.311	ng	
90) Benzo(a)pyrene	15.439	252	9208	2.136	ng	# 78

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

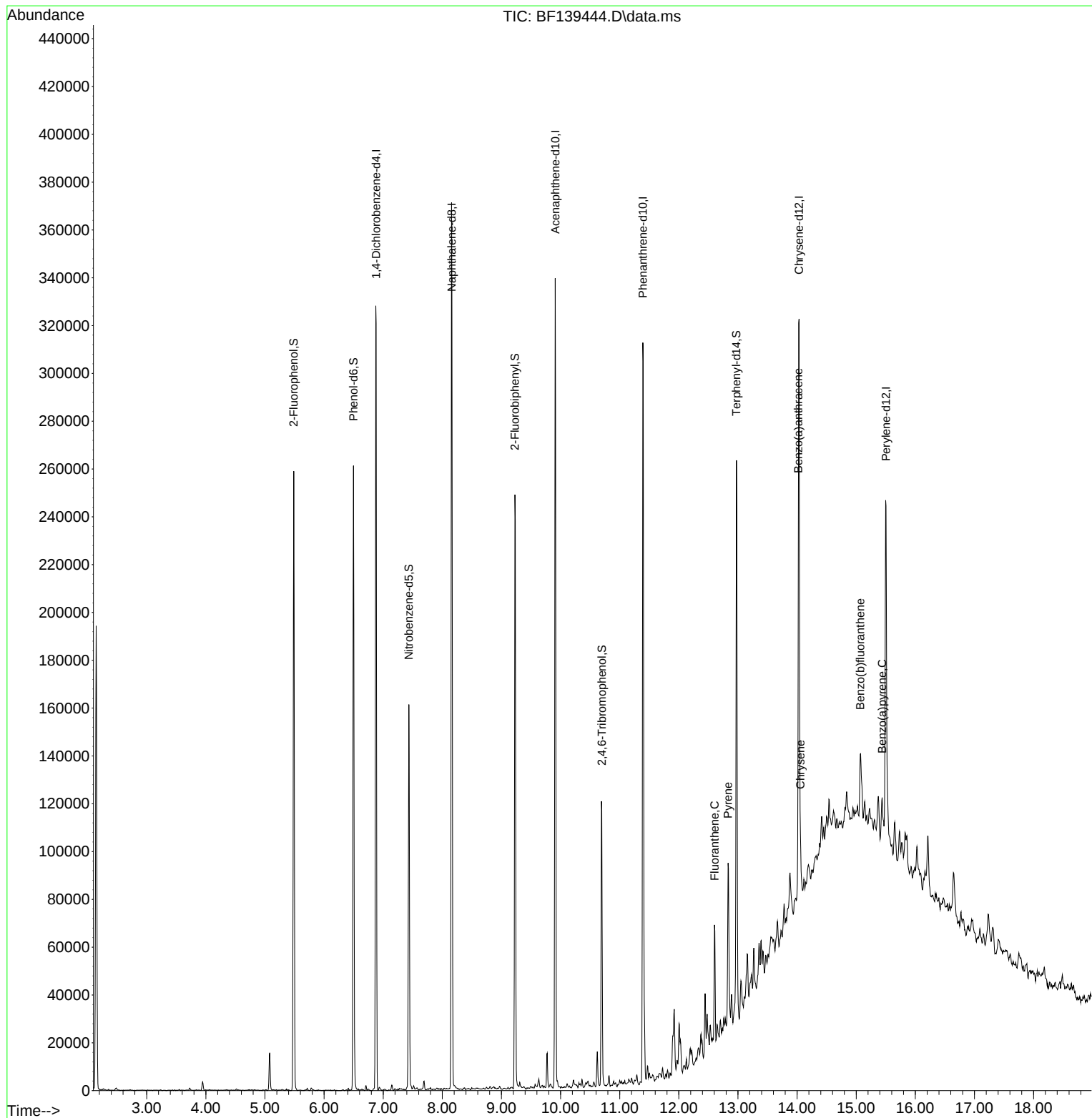
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139444.D
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Sample : P4014-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

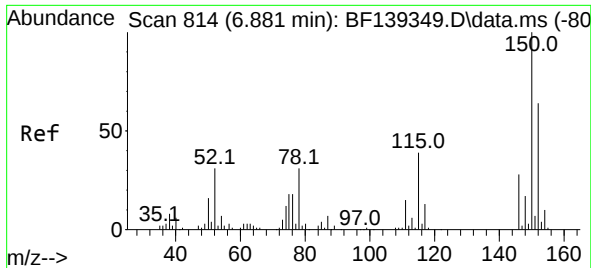
Instrument :
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OR-03-09162024

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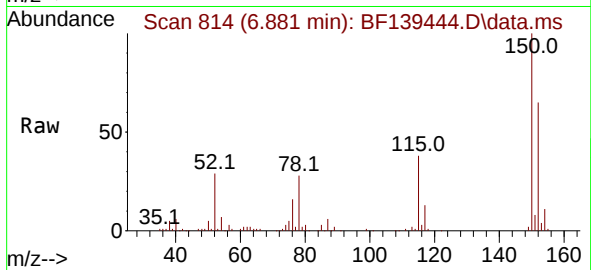
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

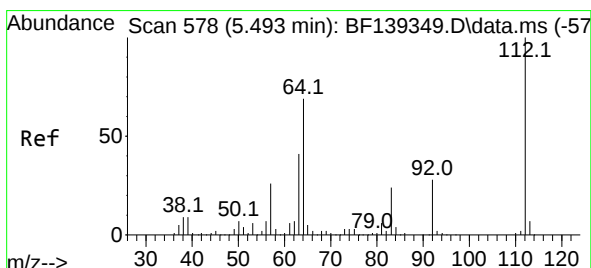
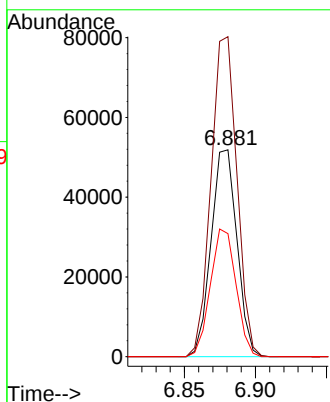
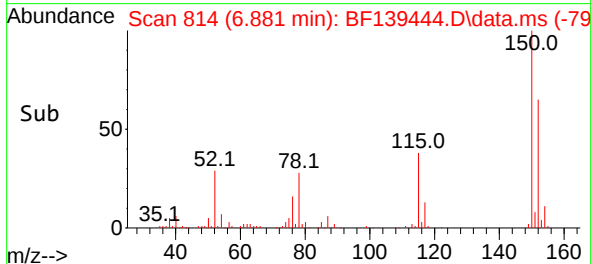
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024



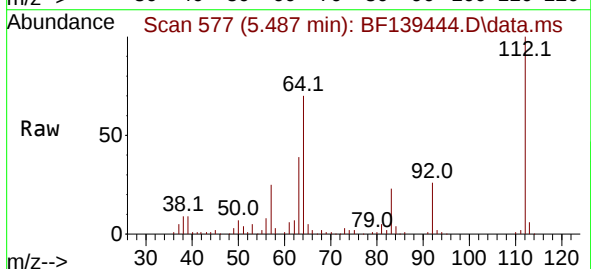
Tgt Ion:152 Resp: 6581
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 59.5 48.1 72.1

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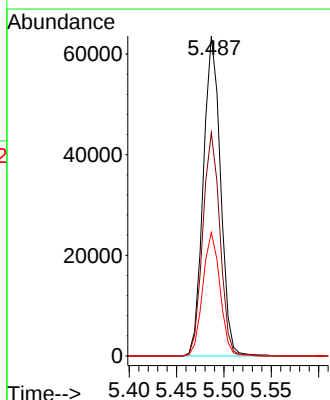
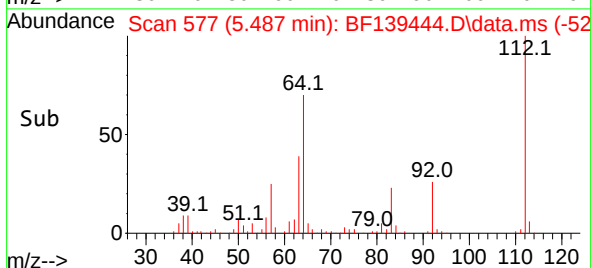
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#5
2-Fluorophenol
Concen: 19.858 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03



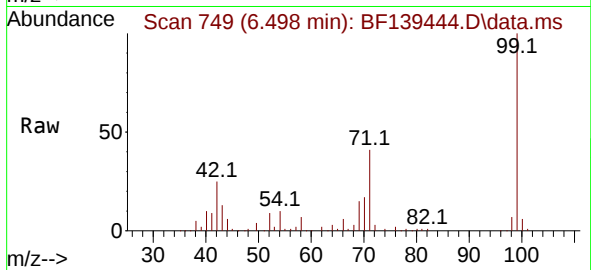
Tgt Ion:112 Resp: 80118
Ion Ratio Lower Upper
112 100
64 69.7 54.8 82.2
63 38.6 33.0 49.4





#7
Phenol-d6
Concen: 18.845 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

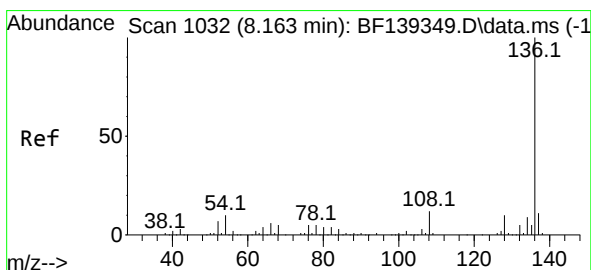
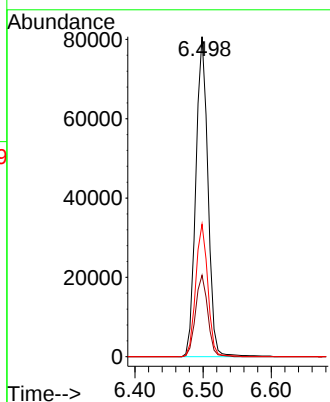
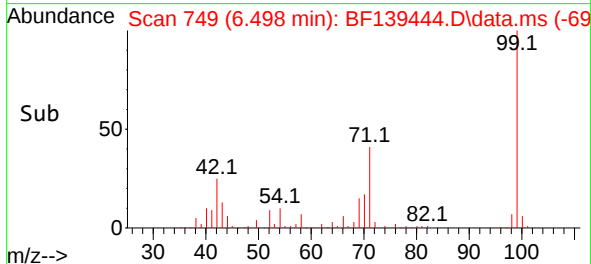
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024



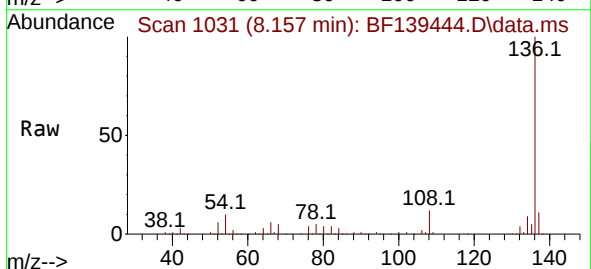
Tgt Ion: 99 Resp: 99790
Ion Ratio Lower Upper
99 100
42 25.5 21.9 32.9
71 41.4 34.6 52.0

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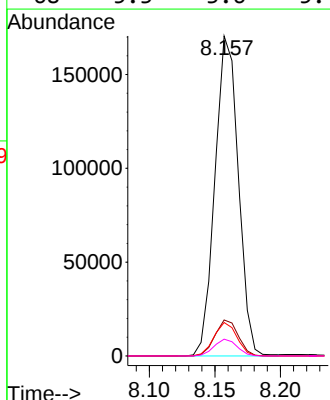
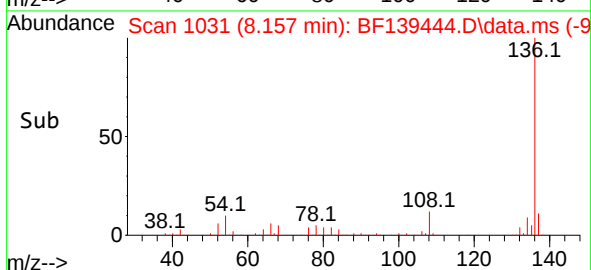
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03



Tgt Ion:136 Resp: 211617
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.5 7.8 11.8
68 5.3 3.6 5.4





#23

Nitrobenzene-d5

Concen: 14.235 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

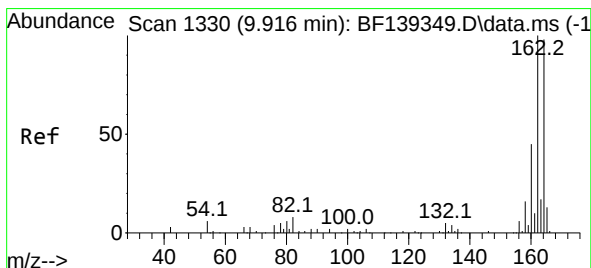
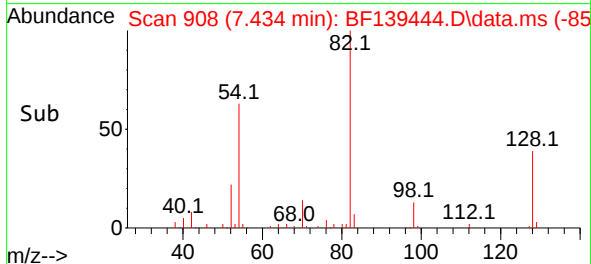
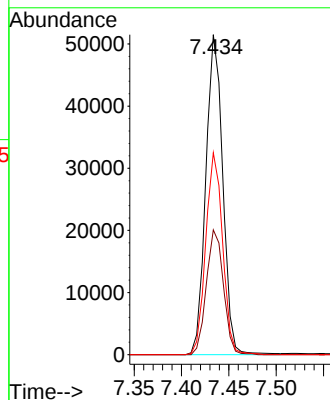
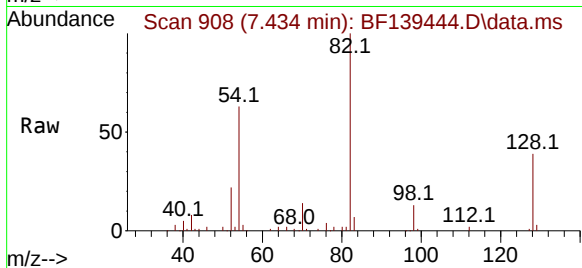
Tgt Ion: 82 Resp: 64078

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.8	47.6
54	63.1	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

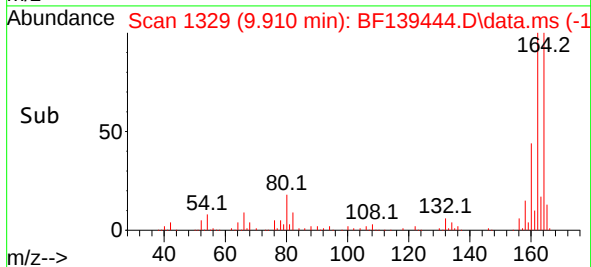
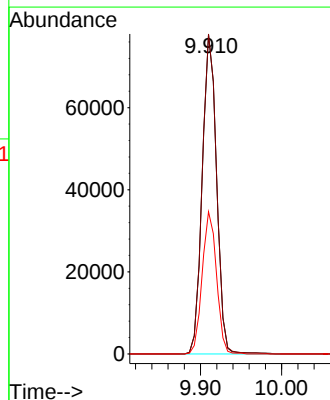
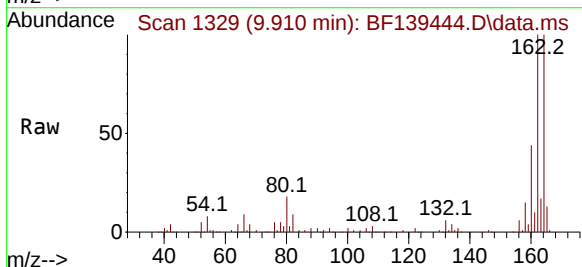
Delta R.T. -0.006 min

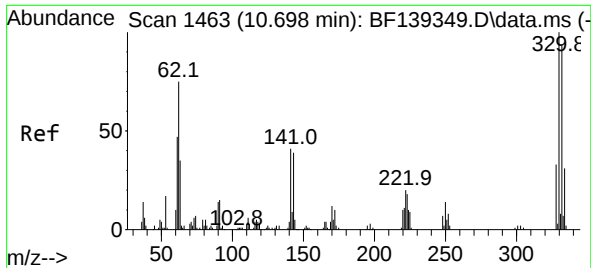
Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Tgt Ion:164 Resp: 95237

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.3	121.9
160	44.6	36.4	54.6





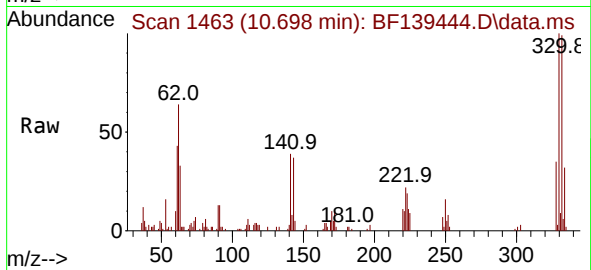
#42
2,4,6-Tribromophenol
Concen: 16.579 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

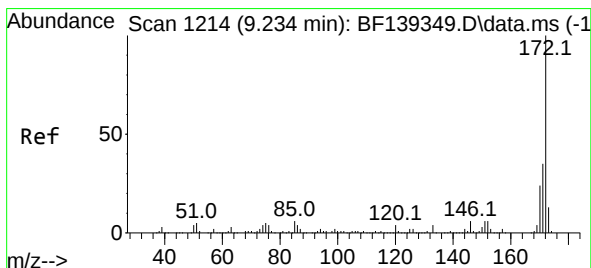
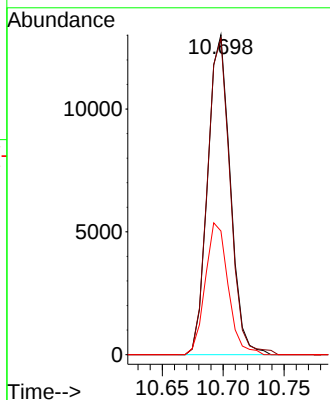
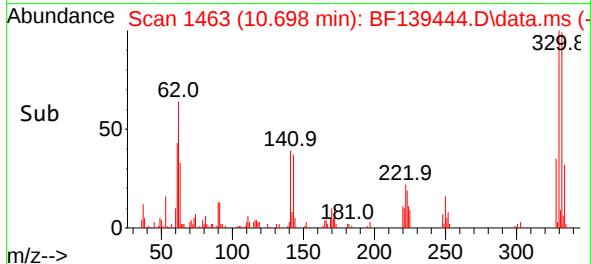


Tgt Ion:330 Resp: 16810
Ion Ratio Lower Upper
330 100
332 99.4 75.2 112.8
141 41.8 31.2 46.8

Manual Integrations

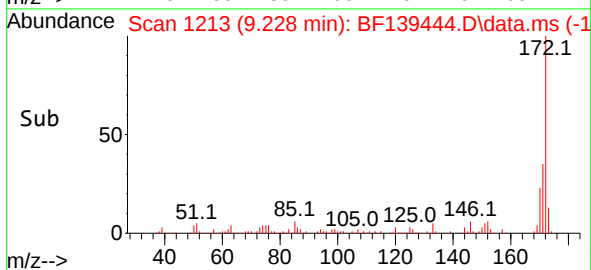
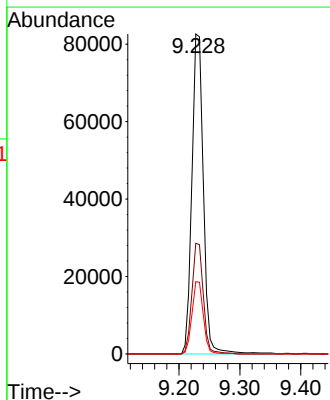
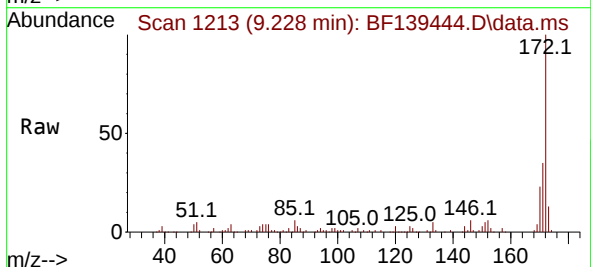
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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#45
2-Fluorobiphenyl
Concen: 15.993 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

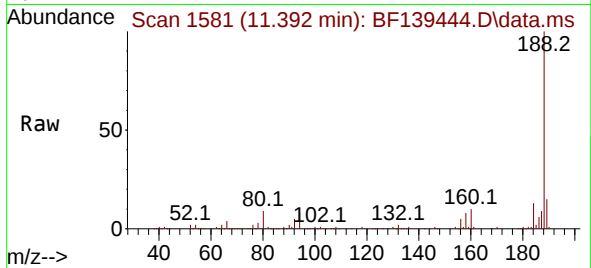
Tgt Ion:172 Resp: 108597
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.6 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

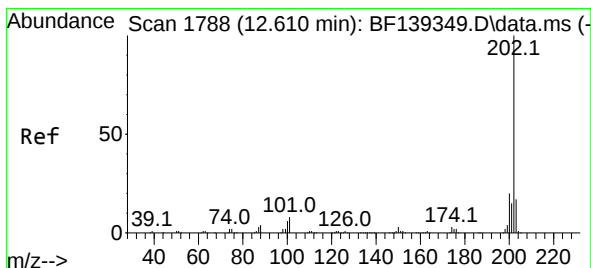
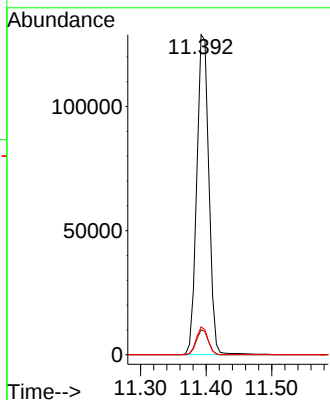
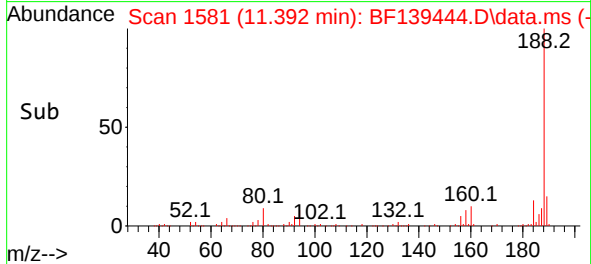
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024



Tgt Ion:188 Resp: 166015
Ion Ratio Lower Upper
188 100
94 7.8 5.5 8.3
80 8.7 6.6 9.8

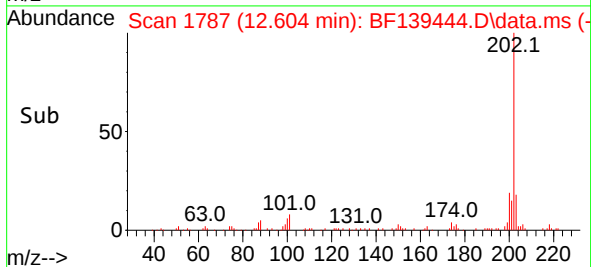
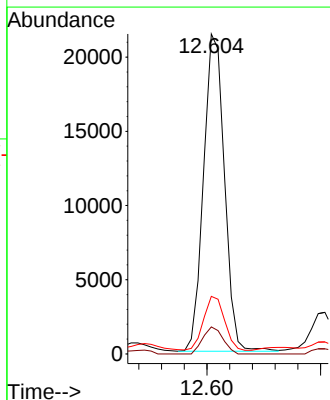
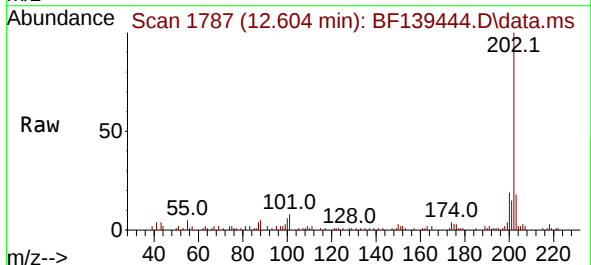
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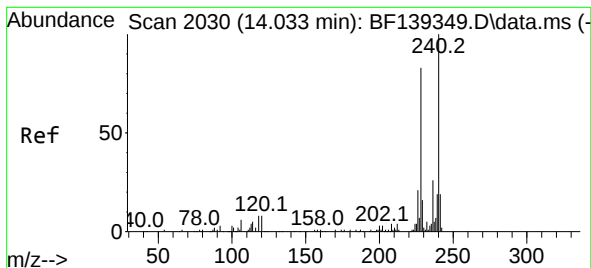
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#75
Fluoranthene
Concen: 3.194 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion:202 Resp: 27318
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.7
203 18.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

Tgt Ion:240 Resp: 10886

Ion Ratio Lower Upper

240 100

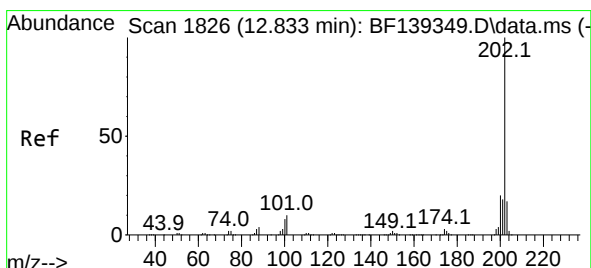
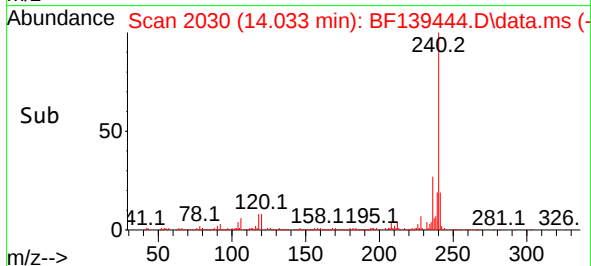
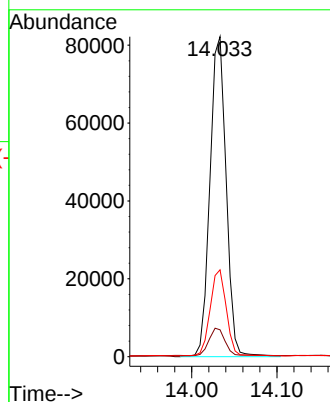
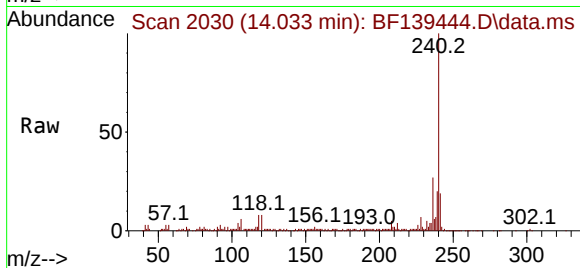
120 8.4 6.2 9.2

236 27.2 20.9 31.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#78

Pyrene

Concen: 4.177 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

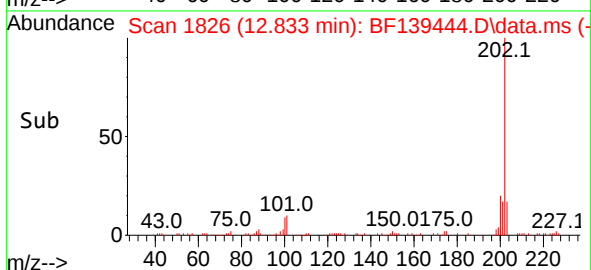
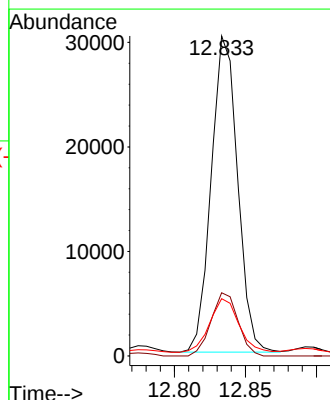
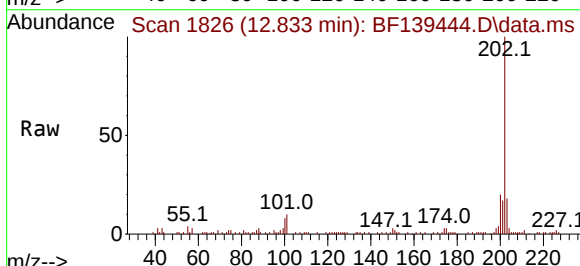
Tgt Ion:202 Resp: 39050

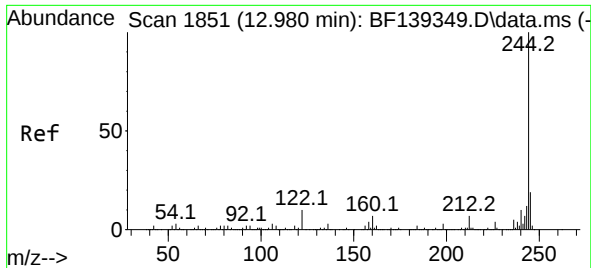
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.9 13.9 20.9





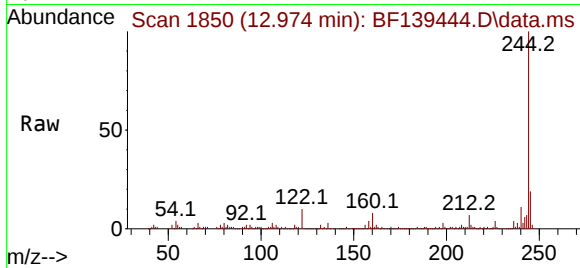
#79
Terphenyl-d14
Concen: 15.959 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

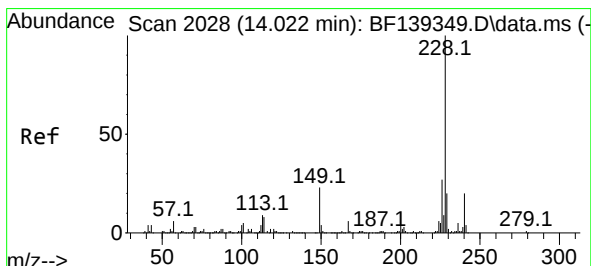
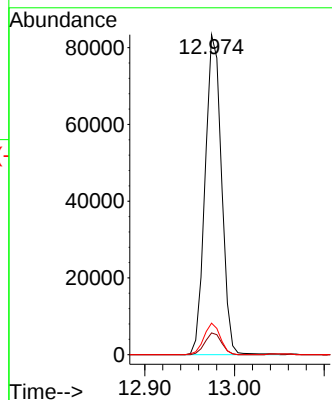
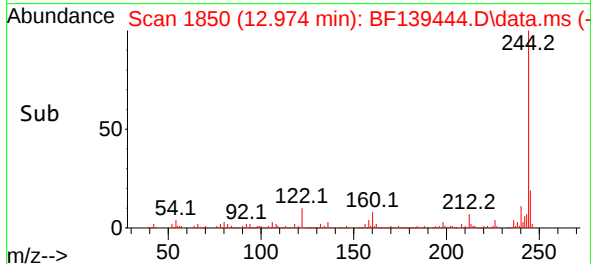


Tgt Ion:244 Resp: 10585
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.9 7.6 11.4

Manual Integrations

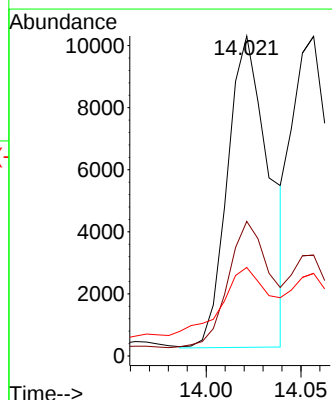
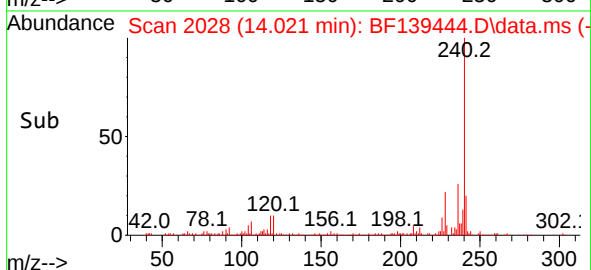
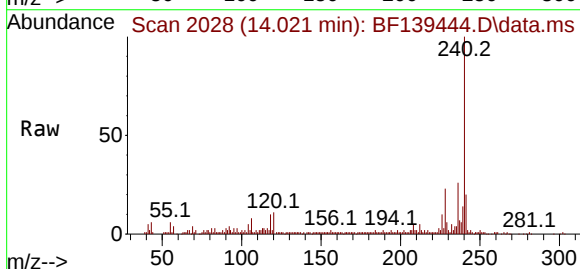
APPROVED

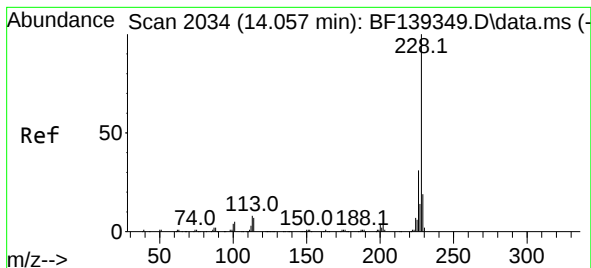
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#81
Benzo(a)anthracene
Concen: 2.123 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion:228 Resp: 15313
Ion Ratio Lower Upper
228 100
226 42.0 21.6 32.4#
229 27.7 15.7 23.5#





#83

Chrysene

Concen: 2.060 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

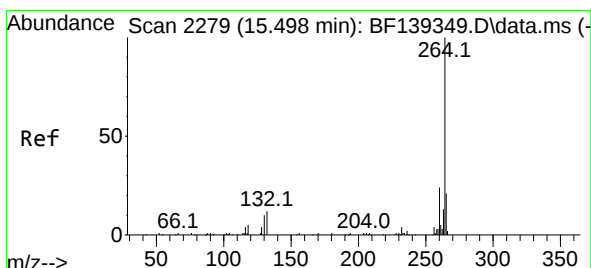
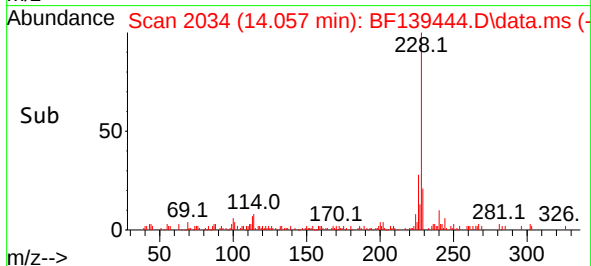
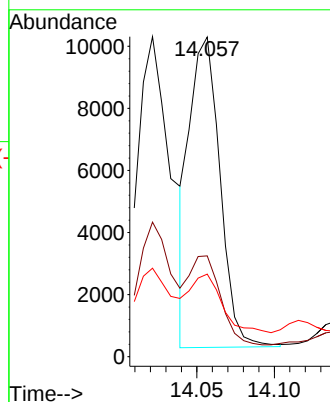
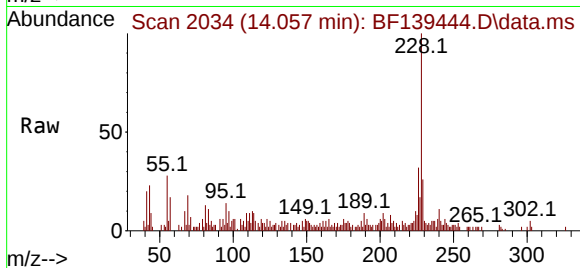
OR-03-09162024

Tgt Ion:	228	Resp:	1366
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.1	36.1
229	25.8	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86

Perylene-d12

Concen: 20.000 ng

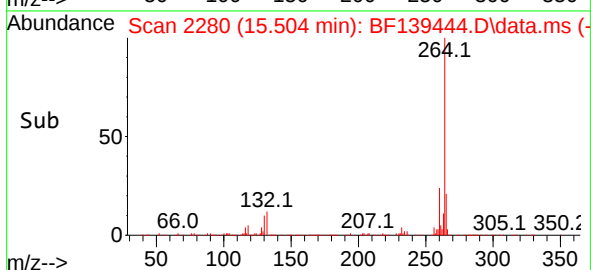
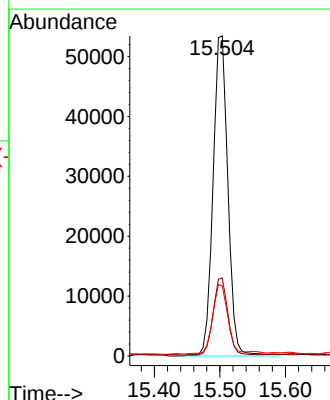
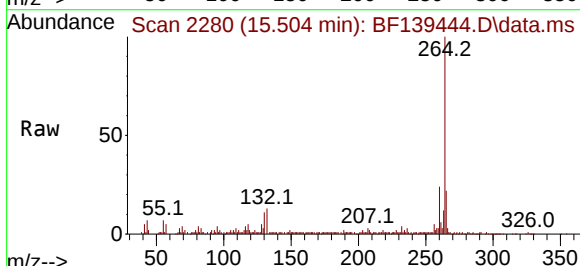
RT: 15.504 min Scan# 2280

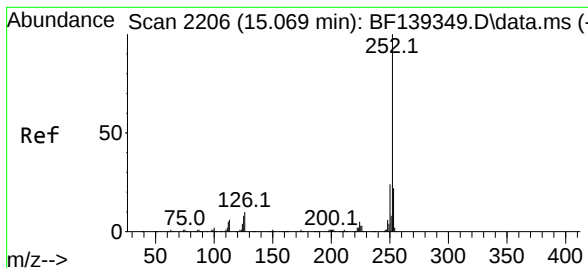
Delta R.T. 0.006 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Tgt Ion:	264	Resp:	84283
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	21.9	16.6	25.0





#88

Benzo(b)fluoranthene

Concen: 2.311 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139444.D

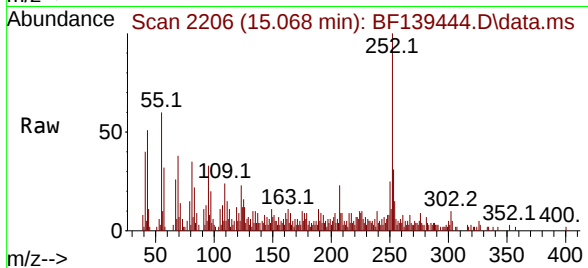
Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024



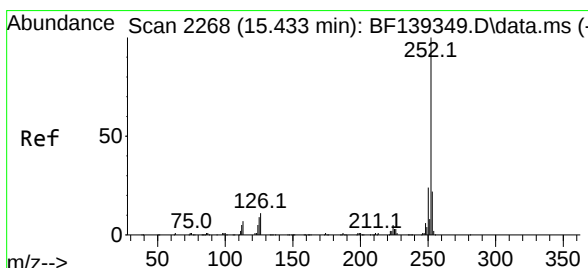
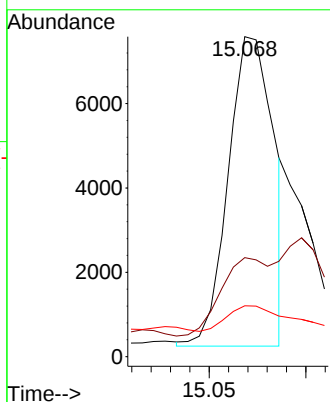
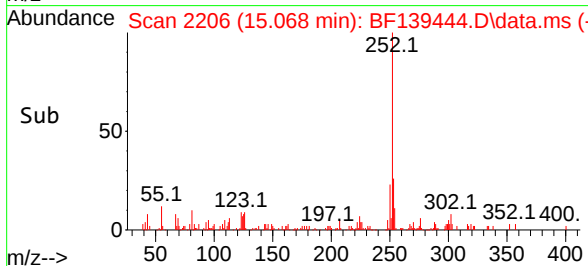
Tgt Ion:252 Resp: 12014

Ion	Ratio	Lower	Upper
252	100		
253	31.0	17.6	26.4
125	15.9	6.2	9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90

Benzo(a)pyrene

Concen: 2.136 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Tgt Ion:252 Resp: 9208

Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.3	25.9
125	18.5	6.8	10.2

