

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139423.D
 Acq On : 18 Sep 2024 13:21
 Operator : RC/JU
 Sample : P4015-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-2-TANK17

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 18 13:44:55 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	6.875	152	71549	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263265	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	147679	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	256180	20.000	ng	0.00
76) Chrysene-d12	14.027	240	117210	20.000	ng	0.00
86) Perylene-d12	15.498	264	132485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	364425	83.090	ng	0.00
7) Phenol-d6	6.504	99	489115	84.963	ng	0.00
23) Nitrobenzene-d5	7.439	82	331904	59.268	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	133292	84.779	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	622181	59.089	ng	0.00
79) Terphenyl-d14	12.980	244	505072	70.729	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	114892	9.296	ng	98
72) Anthracene	11.469	178	31550	2.611	ng	99
75) Fluoranthene	12.604	202	121504	9.206	ng	99
78) Pyrene	12.833	202	83622	8.309	ng	98
81) Benzo(a)anthracene	14.021	228	44129	5.684	ng	97
83) Chrysene	14.057	228	29242m	4.094	ng	
88) Benzo(b)fluoranthene	15.068	252	40525m	4.960	ng	
90) Benzo(a)pyrene	15.433	252	28628	4.225	ng	98

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

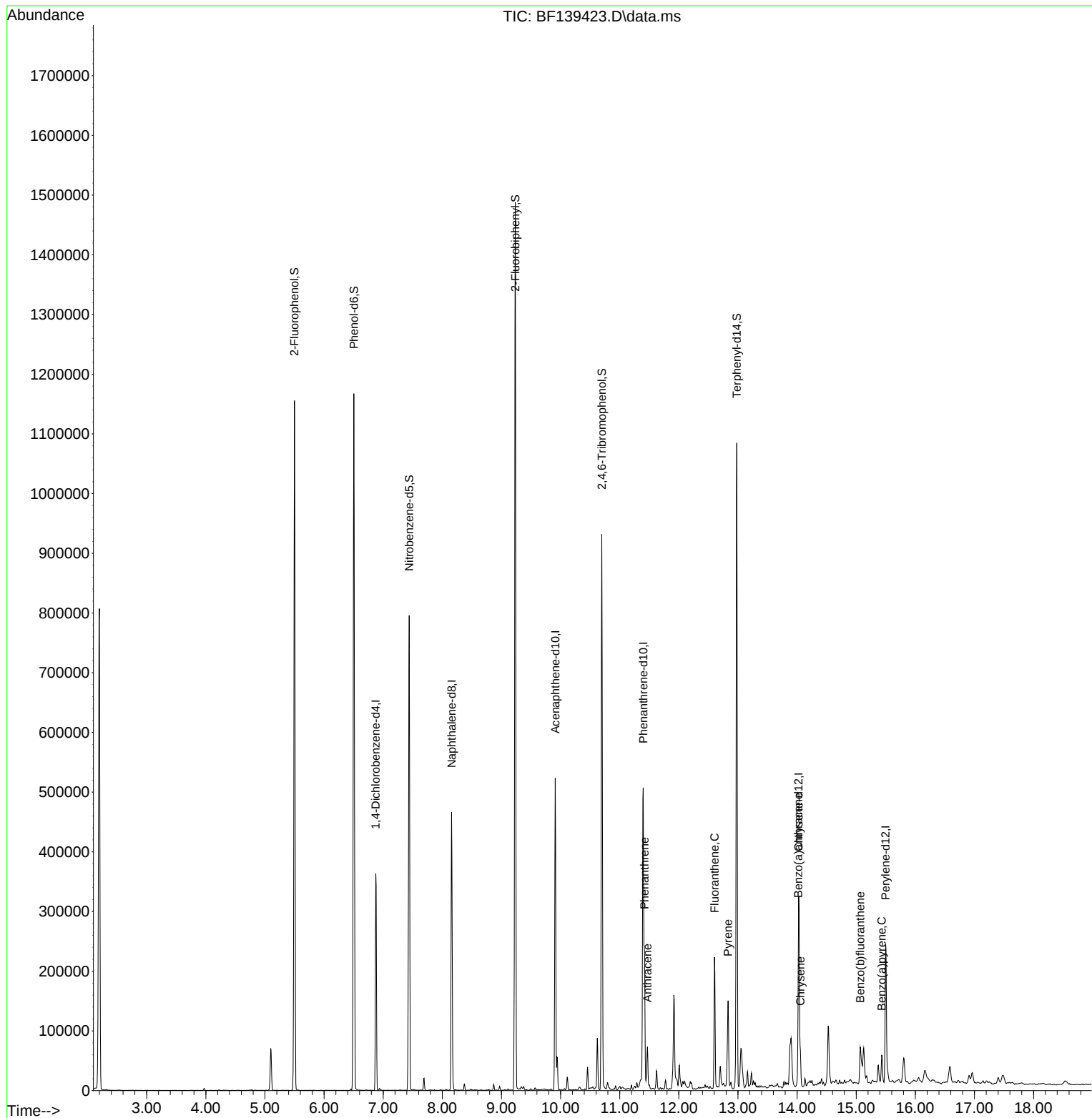
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139423.D
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

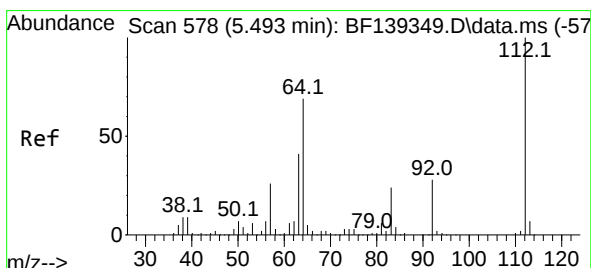
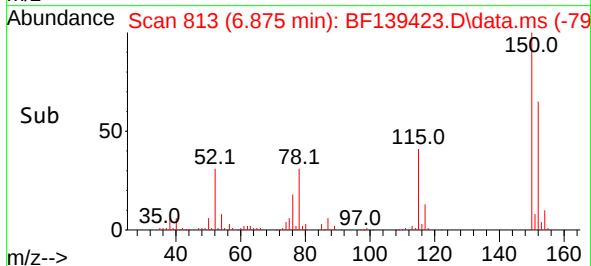
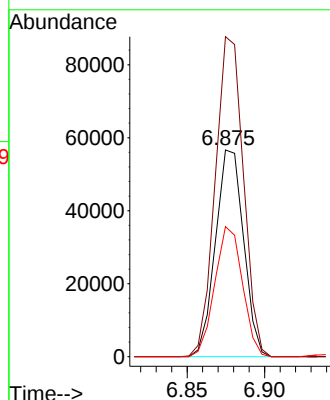
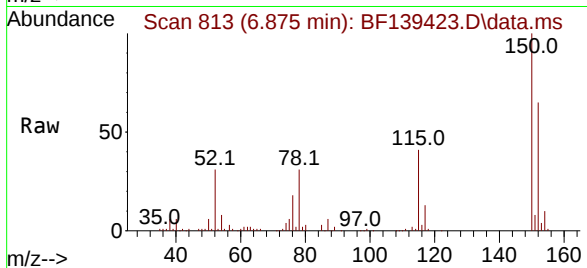
SW-2-TANK17

Tgt Ion:152 Resp: 71549
Ion Ratio Lower Upper
152 100
150 154.7 124.1 186.1
115 62.9 48.1 72.1

Manual Integrations

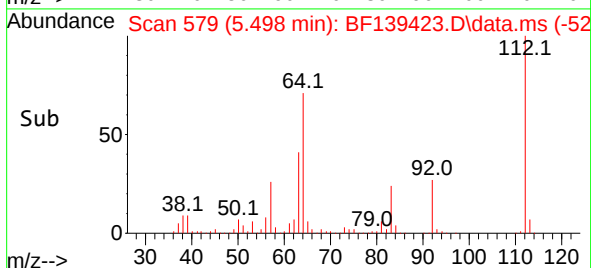
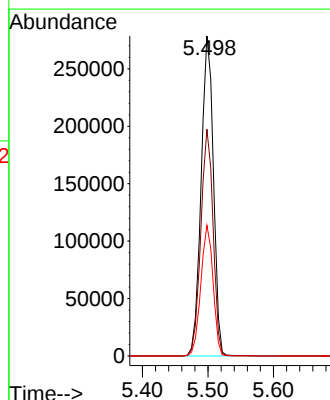
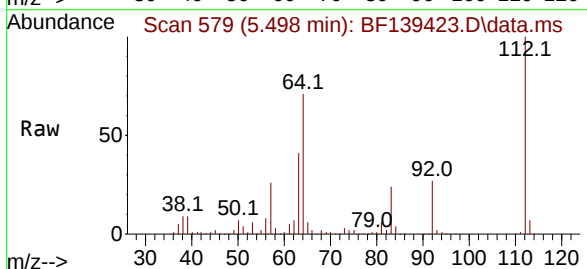
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#5
2-Fluorophenol
Concen: 83.090 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:112 Resp: 364425
Ion Ratio Lower Upper
112 100
64 70.9 54.8 82.2
63 40.8 33.0 49.4





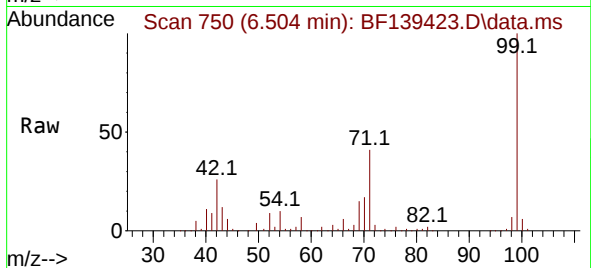
#7
Phenol-d6
Concen: 84.963 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

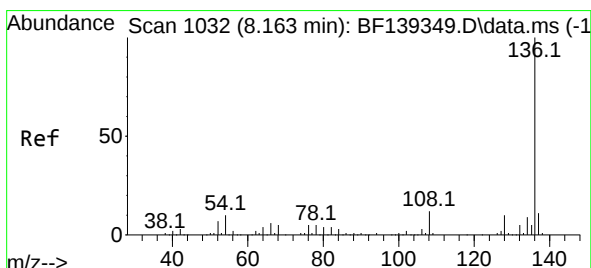
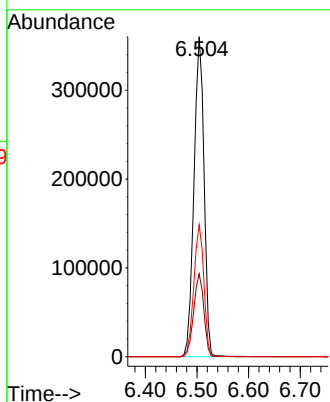
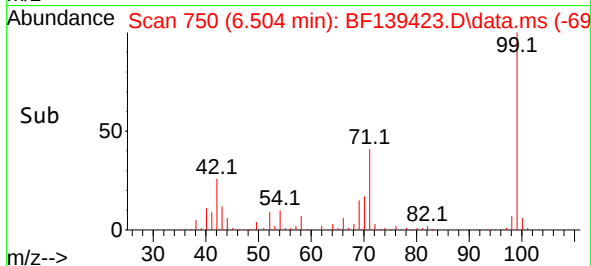


Tgt Ion: 99 Resp: 48911
Ion Ratio Lower Upper
99 100
42 25.9 21.9 32.9
71 41.3 34.6 52.0

Manual Integrations

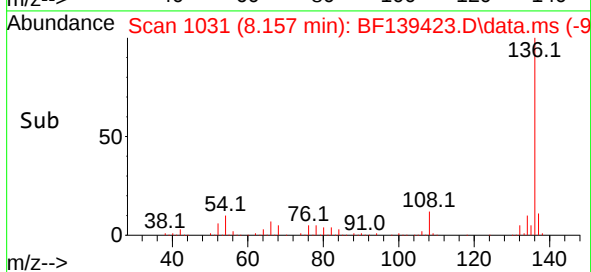
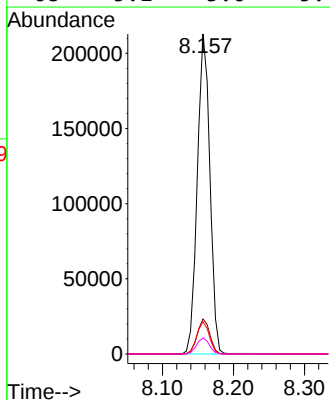
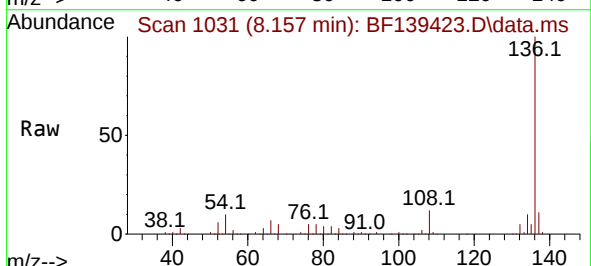
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Supervised By :mohammad ahmed 09/20/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:136 Resp: 263265
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.1 7.8 11.8
68 5.1 3.6 5.4





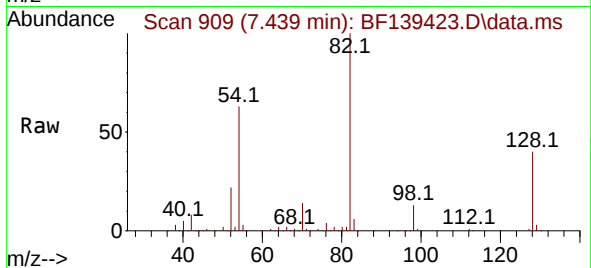
#23
Nitrobenzene-d5
Concen: 59.268 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

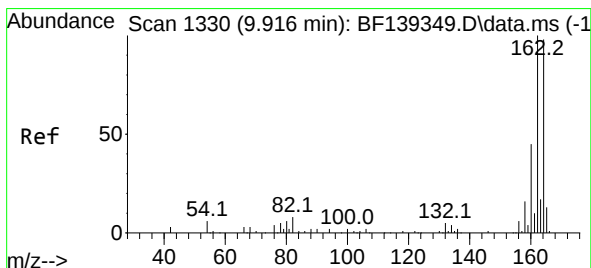
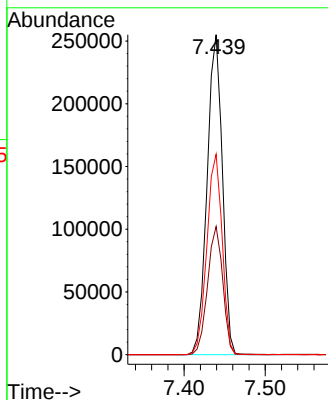
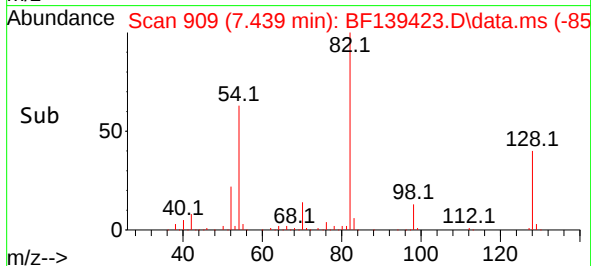


Tgt Ion: 82 Resp: 331904
Ion Ratio Lower Upper
82 100
128 40.1 31.8 47.6
54 62.6 50.6 75.8

Manual Integrations

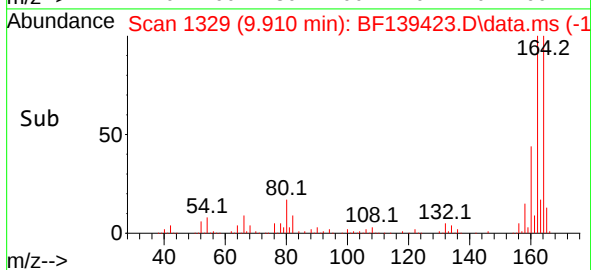
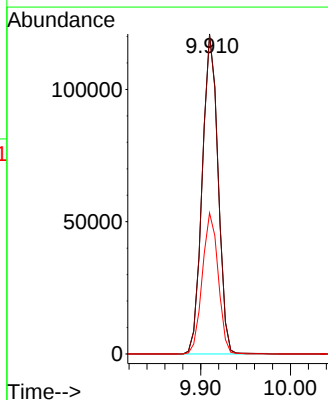
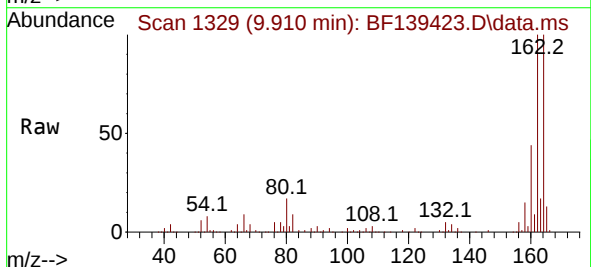
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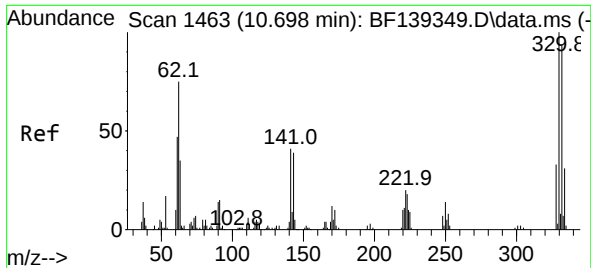
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

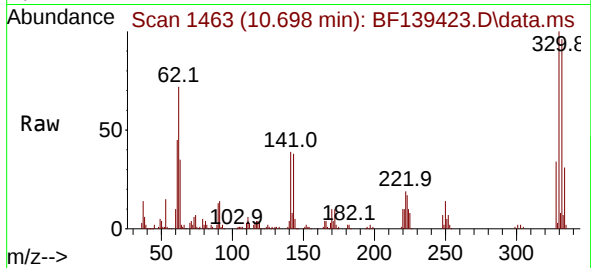
Tgt Ion:164 Resp: 147679
Ion Ratio Lower Upper
164 100
162 99.7 81.3 121.9
160 44.0 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 84.779 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

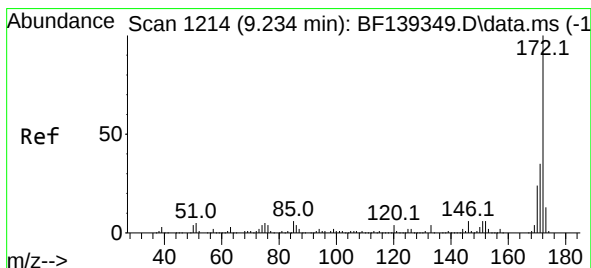
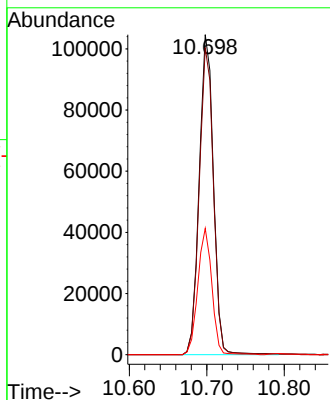
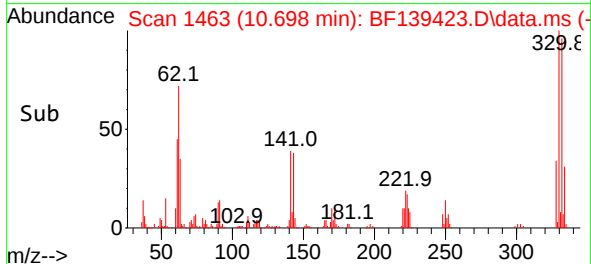
Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17



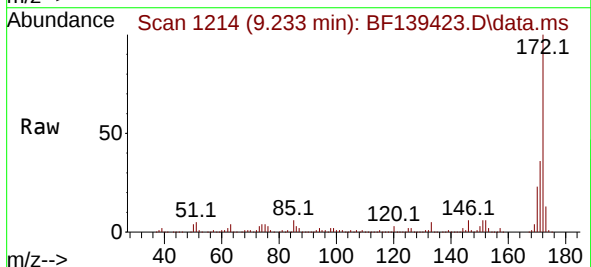
Tgt Ion: 330 Resp: 133292
Ion Ratio Lower Upper
330 100
332 96.4 75.2 112.8
141 38.9 31.2 46.8

Manual Integrations
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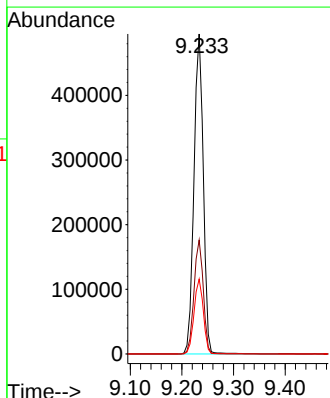
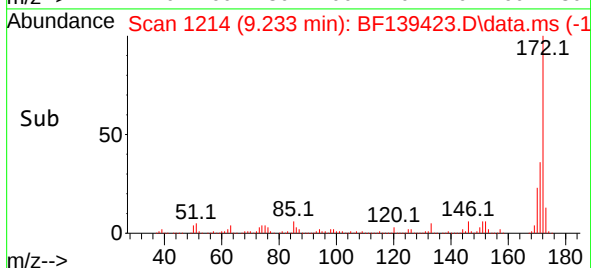
Reviewed By : Yogesh Patel 09/19/2024
Supervised By : mohammad ahmed 09/20/2024

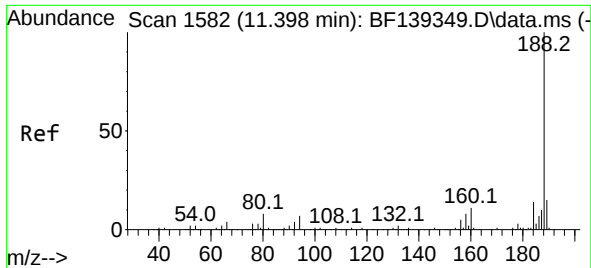


#45
2-Fluorobiphenyl
Concen: 59.089 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21



Tgt Ion: 172 Resp: 622181
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.4 19.0 28.6





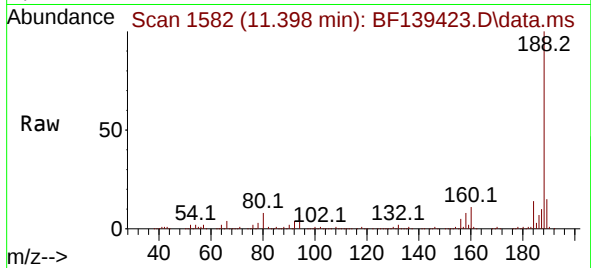
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17



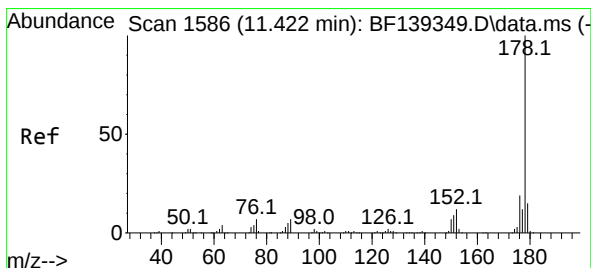
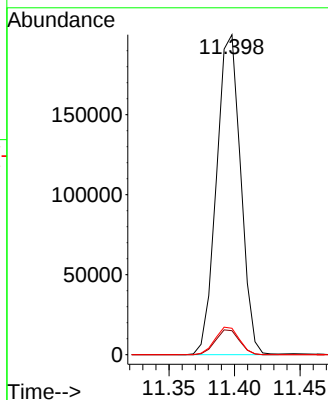
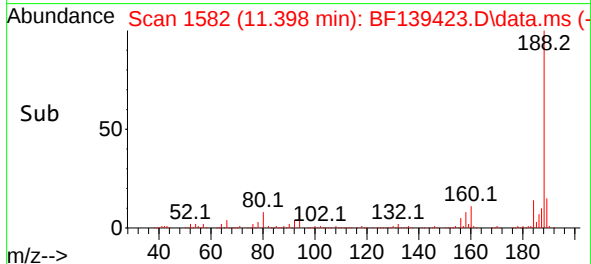
Tgt Ion:188 Resp: 256180
Ion Ratio Lower Upper
188 100
94 7.5 5.5 8.3
80 8.2 6.6 9.8

Manual Integrations

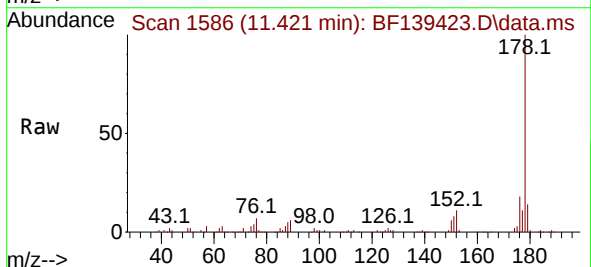
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Reviewed By :Yogesh Patel 09/19/2024

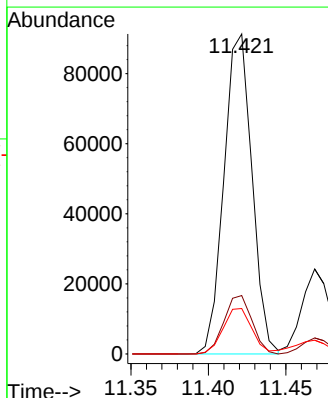
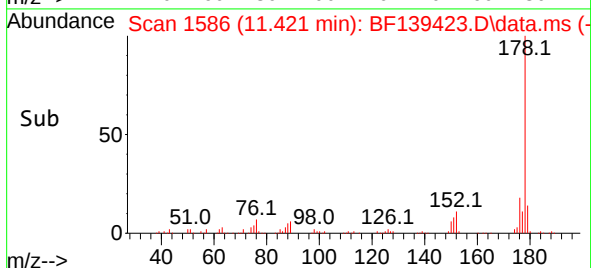
Supervised By :mohammad ahmed 09/20/2024

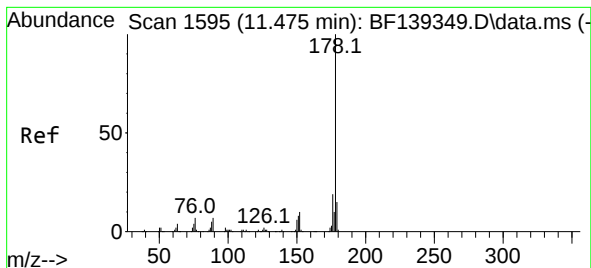


#71
Phenanthrene
Concen: 9.296 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21



Tgt Ion:178 Resp: 114892
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 14.2 12.2 18.4





#72

Anthracene

Concen: 2.611 ng

RT: 11.469 min Scan# 11469

Delta R.T. -0.006 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

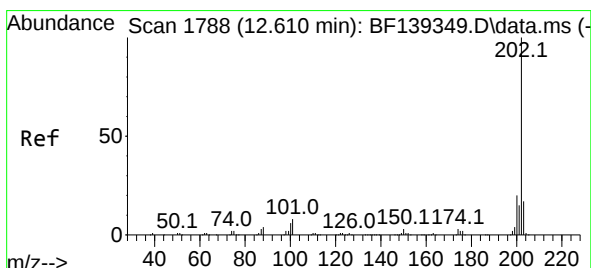
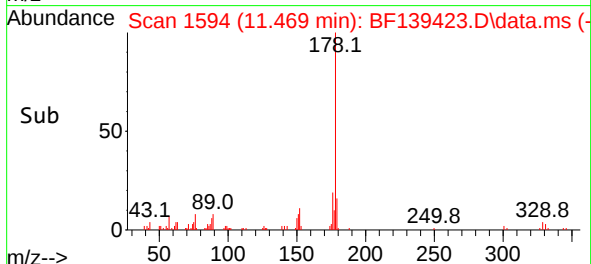
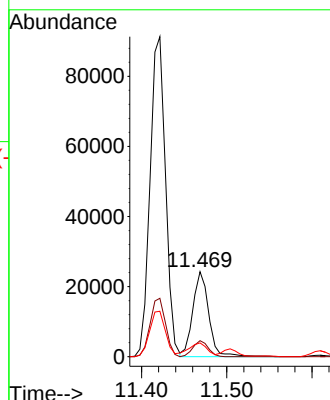
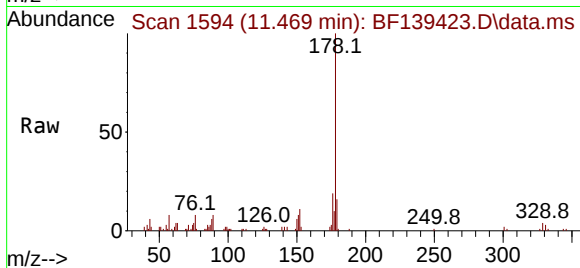
Tgt Ion:	178	Resp:	31550
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.0	22.6
179	16.1	12.0	18.0

Manual Integrations

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#75

Fluoranthene

Concen: 9.206 ng

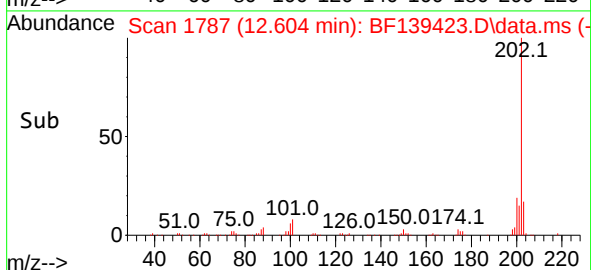
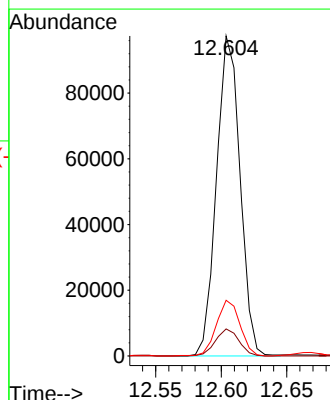
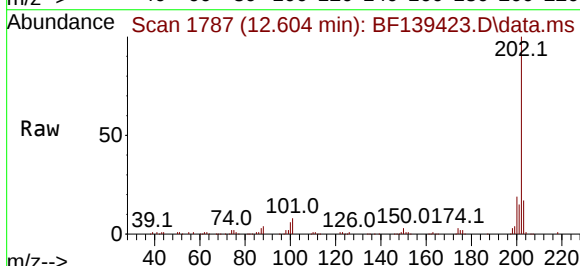
RT: 12.604 min Scan# 1787

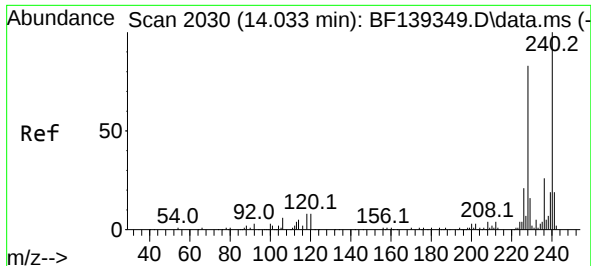
Delta R.T. -0.006 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Tgt Ion:	202	Resp:	121504
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	27.7
203	17.4	0.0	37.4





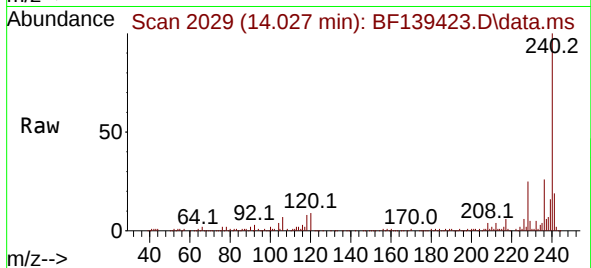
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17



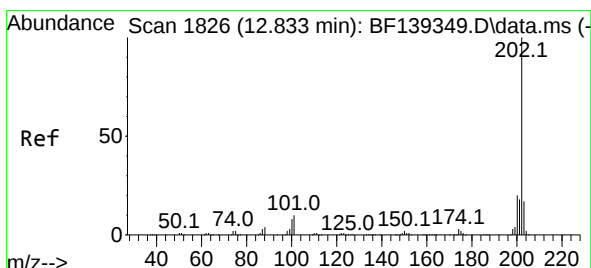
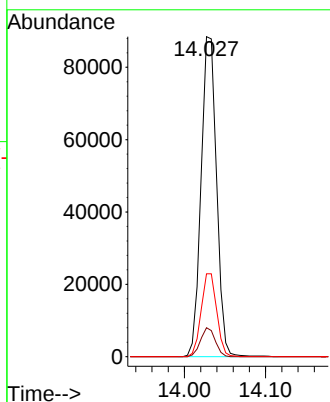
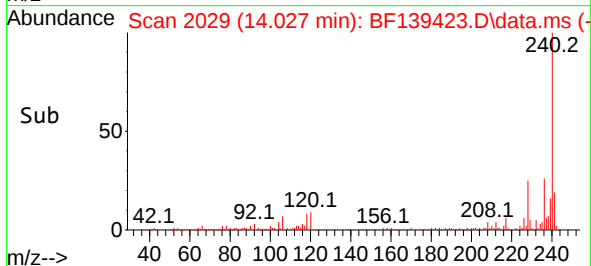
Tgt Ion:240 Resp: 117210
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.2
236 25.9 20.9 31.3

Manual Integrations

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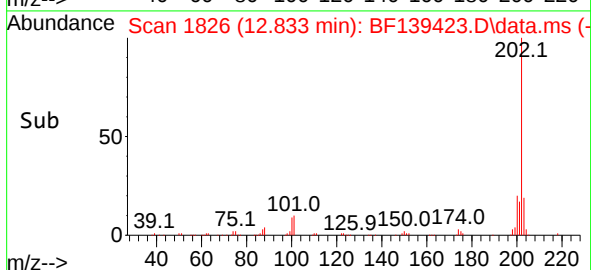
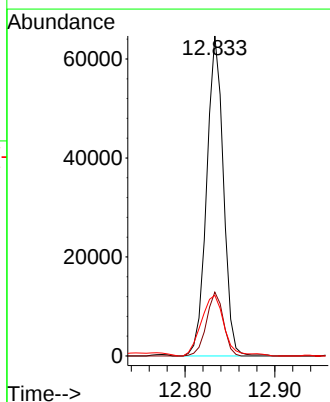
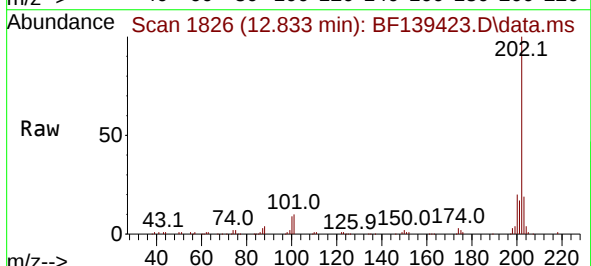
Reviewed By :Yogesh Patel 09/19/2024

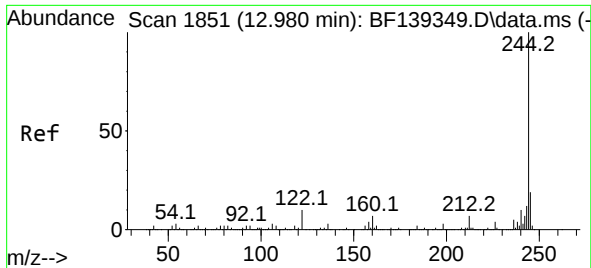
Supervised By :mohammad ahmed 09/20/2024



#78
Pyrene
Concen: 8.309 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:202 Resp: 83622
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 19.0 13.9 20.9





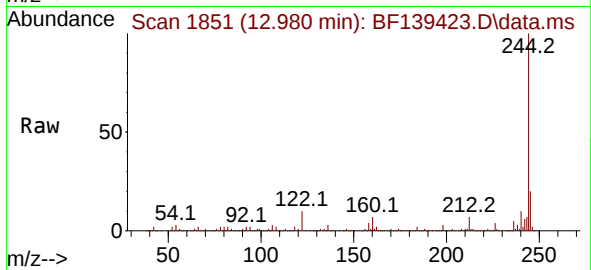
#79
 Terphenyl-d14
 Concen: 70.729 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139423.D
 Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17



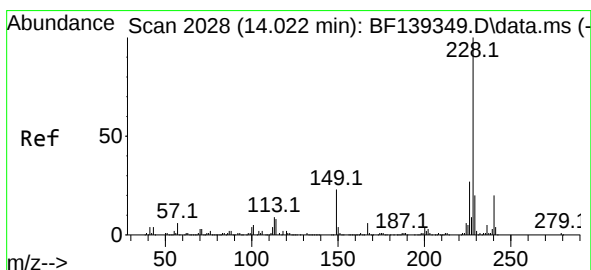
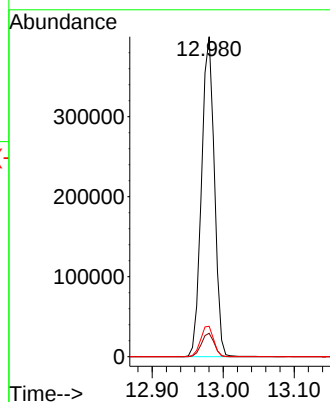
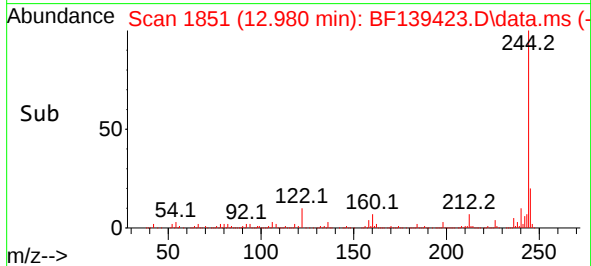
Tgt Ion:244 Resp: 505072
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.5 7.6 11.4

Manual Integrations

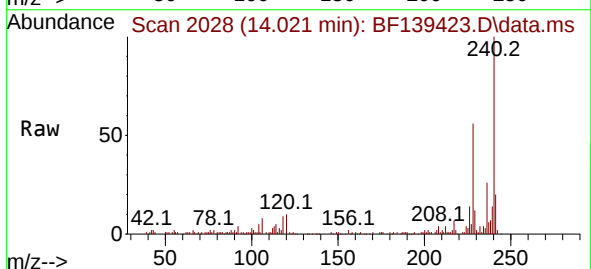
APPROVED

Reviewed By :Yogesh Patel 09/19/2024

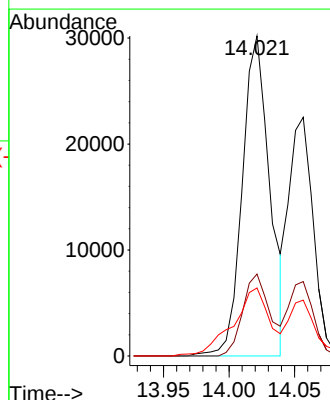
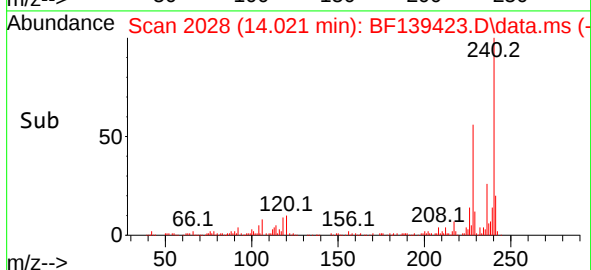
Supervised By :mohammad ahmed 09/20/2024

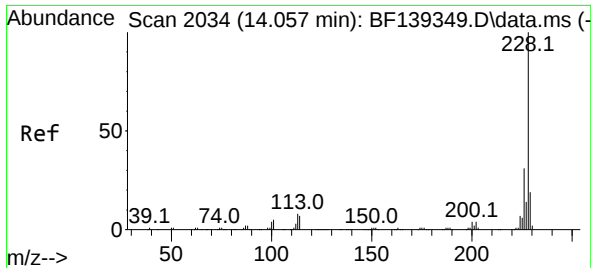


#81
 Benzo(a)anthracene
 Concen: 5.684 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF139423.D
 Acq: 18 Sep 2024 13:21



Tgt Ion:228 Resp: 44129
 Ion Ratio Lower Upper
 228 100
 226 25.6 21.6 32.4
 229 21.3 15.7 23.5





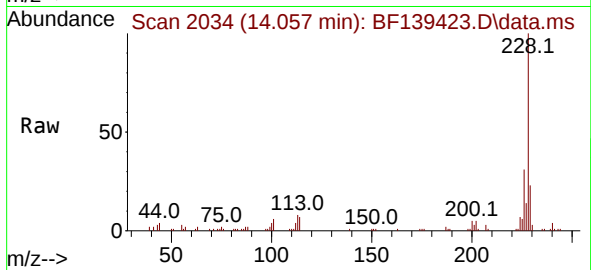
#83
Chrysene
Concen: 4.094 ng m
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

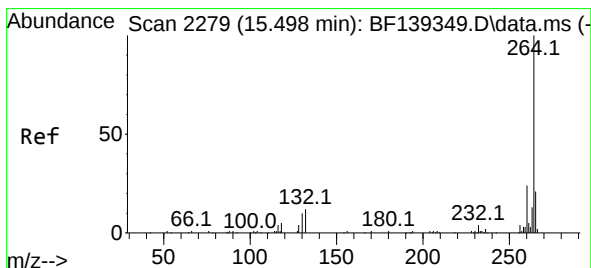
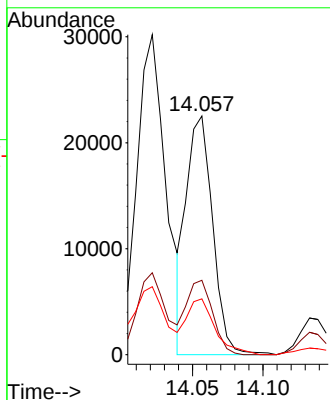
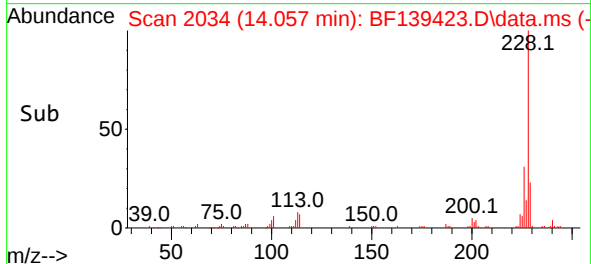


Tgt Ion:228 Resp: 2924
Ion Ratio Lower Upper
228 100
226 31.1 24.1 36.1
229 23.4 15.4 23.0

Manual Integrations

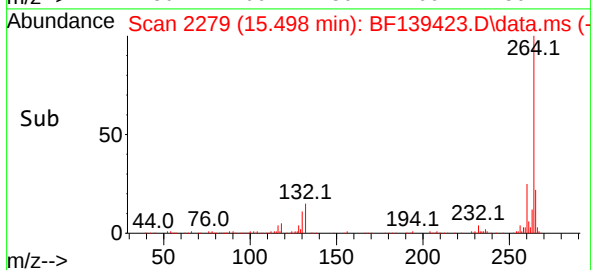
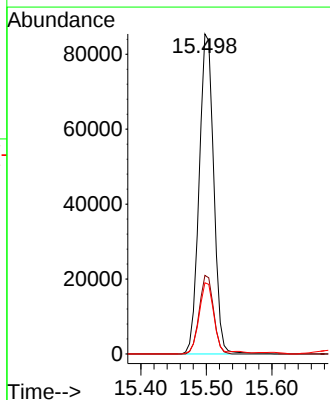
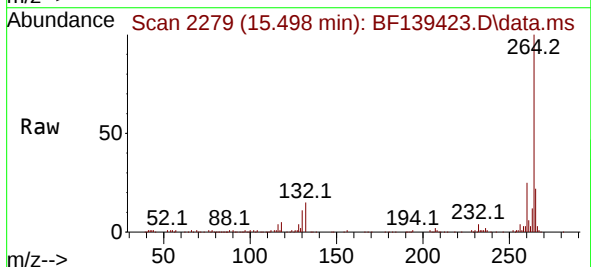
APPROVED

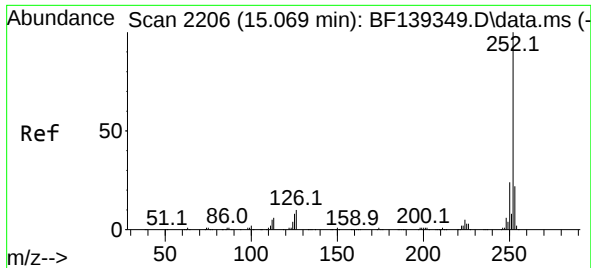
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:264 Resp: 132485
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.2 16.6 25.0





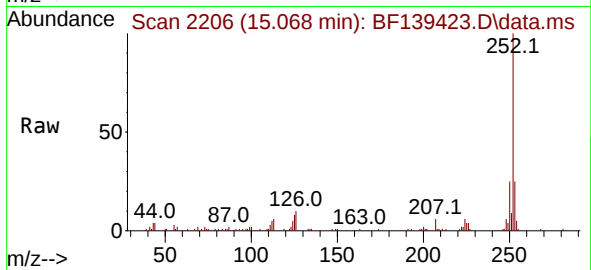
#88
Benzo(b)fluoranthene
Concen: 4.960 ng m
RT: 15.068 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

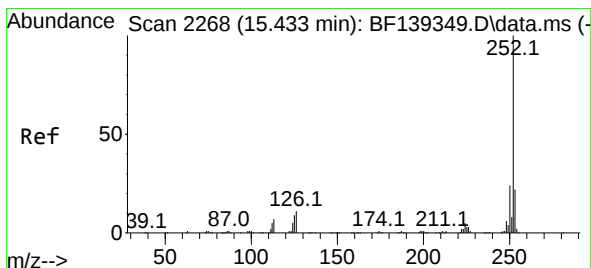
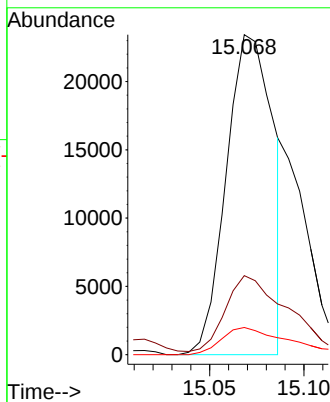
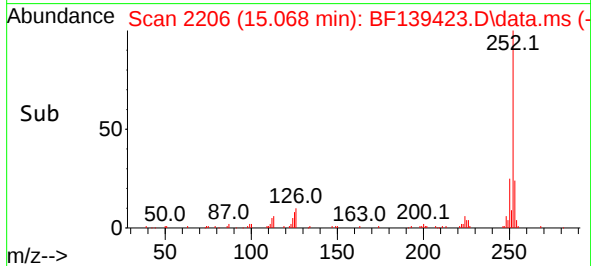


Tgt Ion:252 Resp: 4052
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 8.5 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90
Benzo(a)pyrene
Concen: 4.225 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:252 Resp: 28628
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 8.6 6.8 10.2

