

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139382.D
 Acq On : 16 Sep 2024 16:58
 Operator : RC/JU
 Sample : P3929-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BIN-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :mohammad ahmed 09/19/2024

Quant Time: Sep 16 17:26:29 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	59754	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	224145	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	118591	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	195945	20.000	ng	0.00
76) Chrysene-d12	14.027	240	104507	20.000	ng	0.00
86) Perylene-d12	15.492	264	95315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	350373	95.655	ng	0.00
7) Phenol-d6	6.498	99	467781	97.297	ng	0.00
23) Nitrobenzene-d5	7.440	82	311840	65.404	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	112192	88.862	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	578501	68.417	ng	0.00
79) Terphenyl-d14	12.975	244	419661	65.912	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	65990	6.980	ng	100
75) Fluoranthene	12.604	202	115757	11.466	ng	99
78) Pyrene	12.833	202	97356	10.849	ng	99
81) Benzo(a)anthracene	14.016	228	50393	7.280	ng	97
83) Chrysene	14.051	228	44494	6.986	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	14658	2.586	ng	97
88) Benzo(b)fluoranthene	15.063	252	52009m	8.847	ng	
89) Benzo(k)fluoranthene	15.080	252	20066m	3.702	ng	
90) Benzo(a)pyrene	15.427	252	32993	6.767	ng	97
92) Benzo(g,h,i)perylene	17.392	276	14014	3.022	ng #	95

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

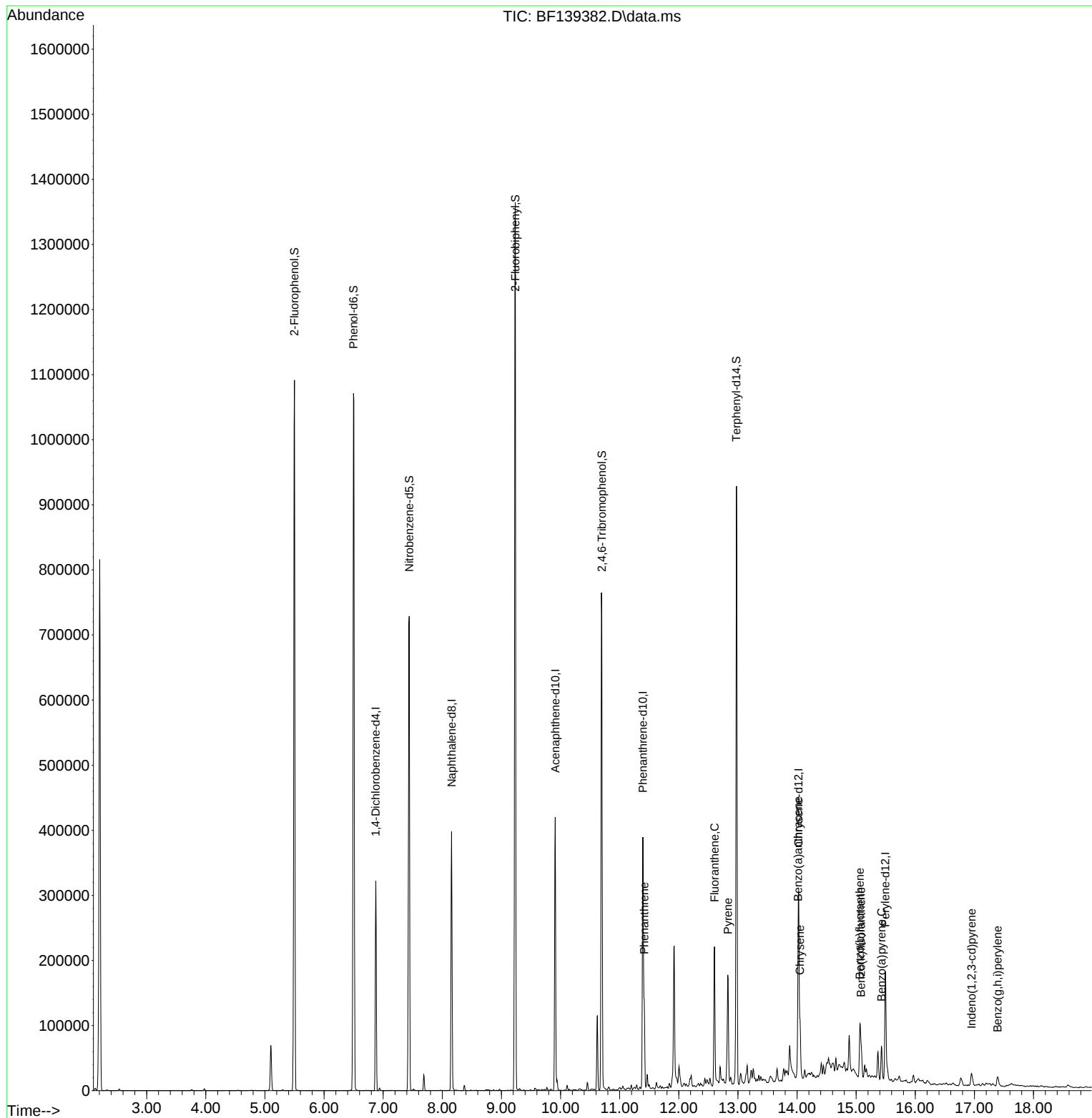
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139382.D
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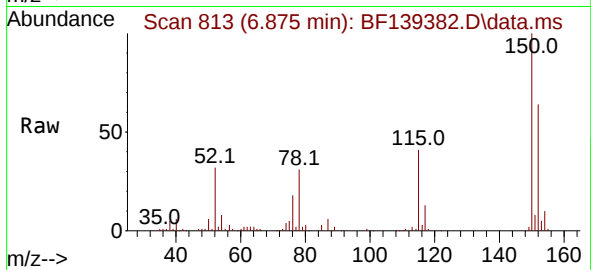
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

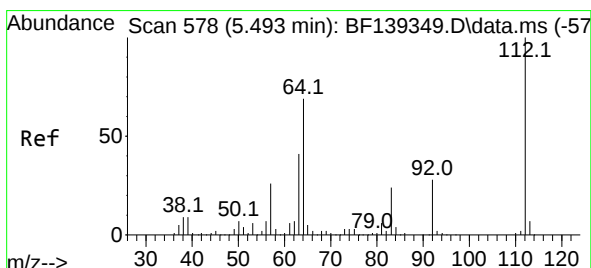
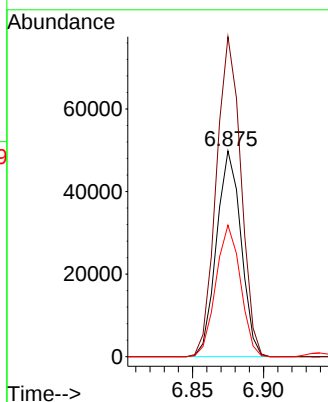
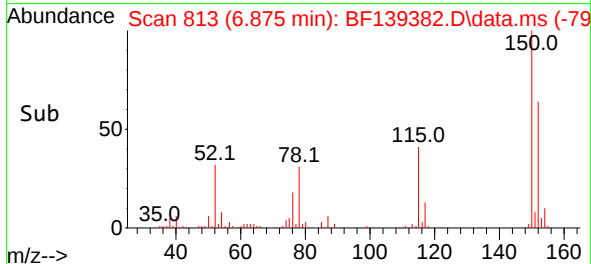
Instrument :
BNA_F
ClientSampleId :
BIN-2



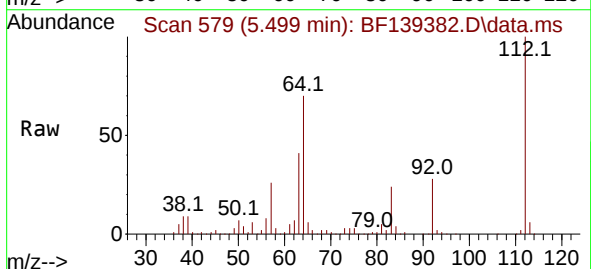
Tgt Ion:152 Resp: 59754
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 63.9 48.1 72.1

Manual Integrations
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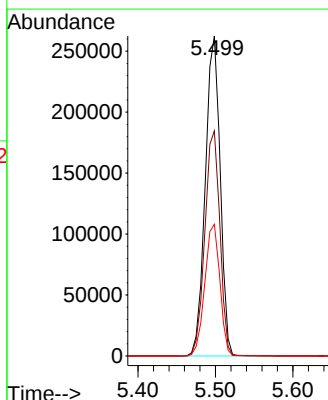
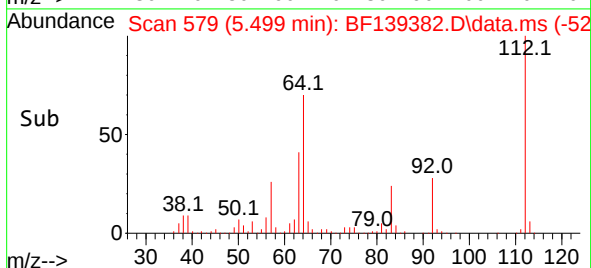
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#5
2-Fluorophenol
Concen: 95.655 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58



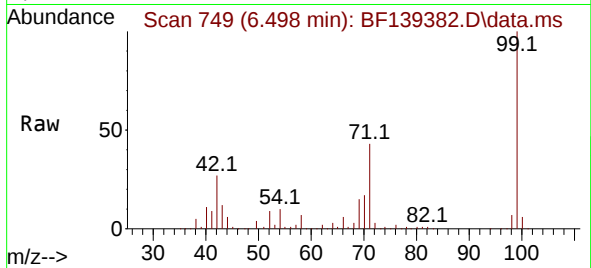
Tgt Ion:112 Resp: 350373
Ion Ratio Lower Upper
112 100
64 70.3 54.8 82.2
63 41.2 33.0 49.4





#7
Phenol-d6
Concen: 97.297 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

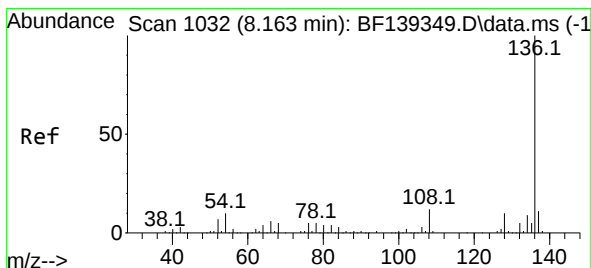
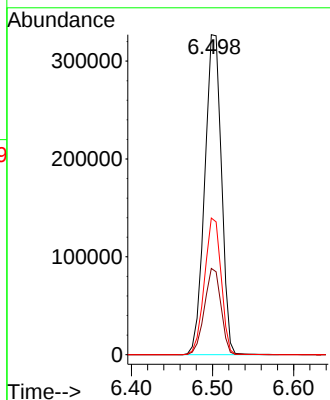
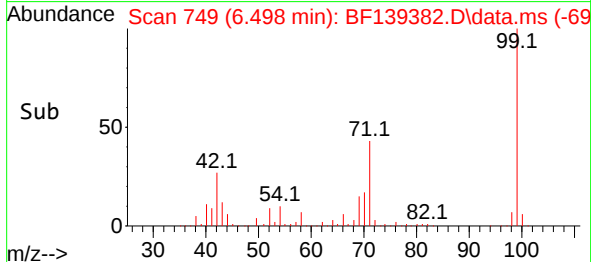
Instrument :
BNA_F
ClientSampleId :
BIN-2



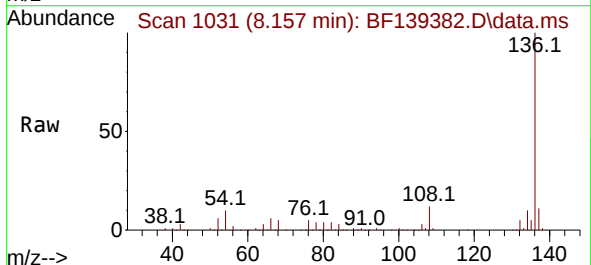
Tgt Ion: 99 Resp: 46778
Ion Ratio Lower Upper
99 100
42 27.0 21.9 32.9
71 42.7 34.6 52.0

Manual Integrations
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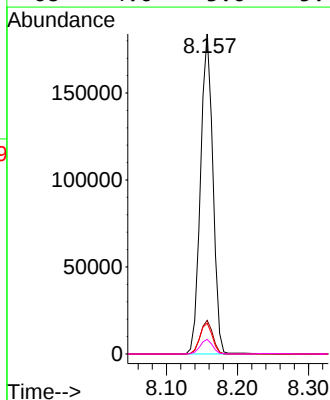
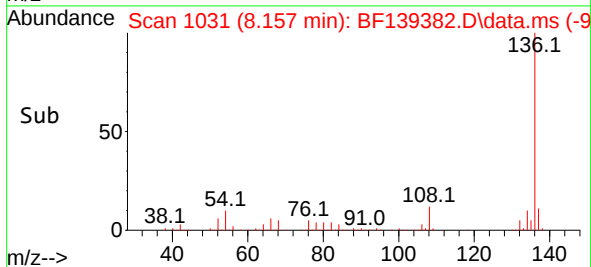
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

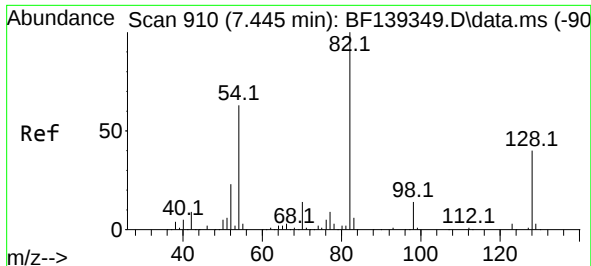


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58



Tgt Ion:136 Resp: 224145
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.6 7.8 11.8
68 4.6 3.6 5.4





#23

Nitrobenzene-d5

Concen: 65.404 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

Tgt Ion: 82 Resp: 311840

Ion Ratio Lower Upper

82 100

128 40.2 31.8 47.6

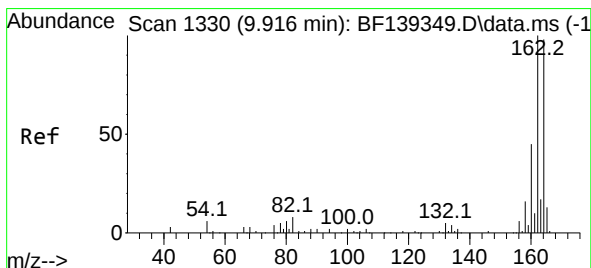
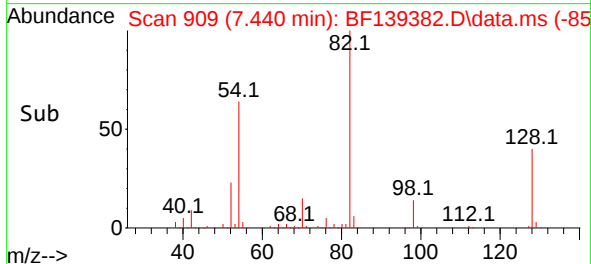
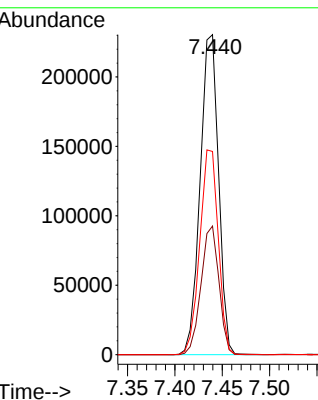
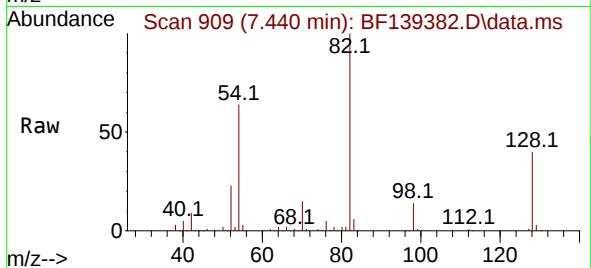
54 63.5 50.6 75.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

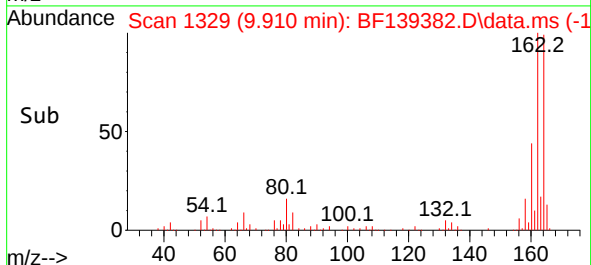
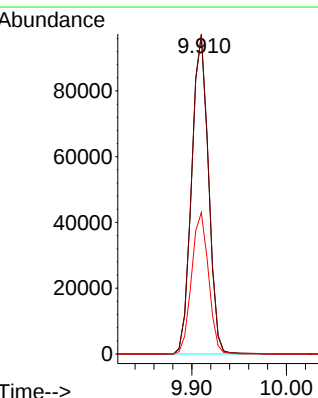
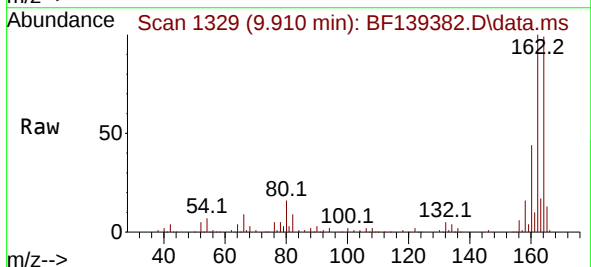
Tgt Ion:164 Resp: 118591

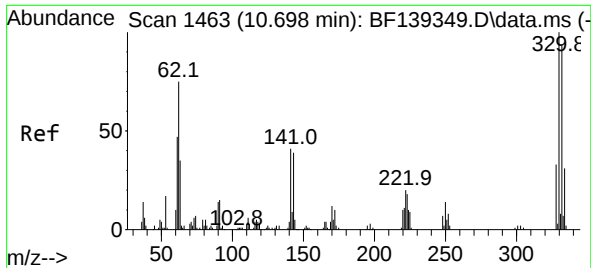
Ion Ratio Lower Upper

164 100

162 100.6 81.3 121.9

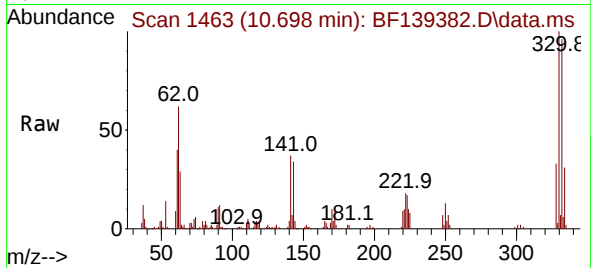
160 44.5 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 88.862 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

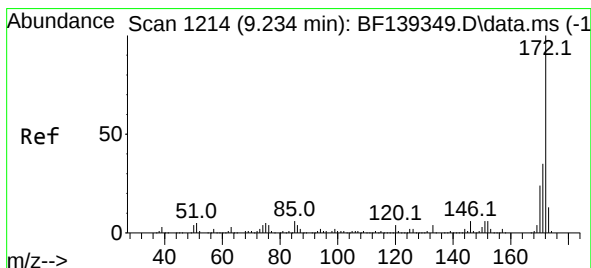
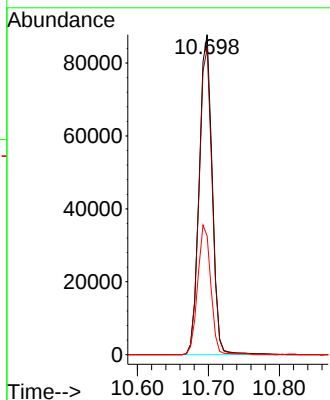
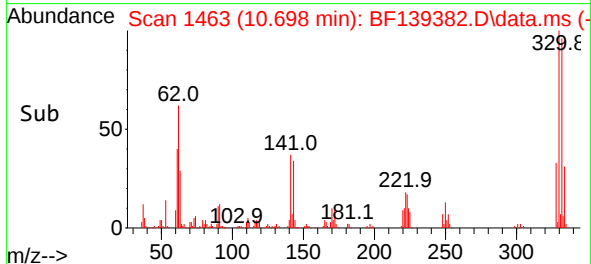
Instrument :
BNA_F
ClientSampleId :
BIN-2



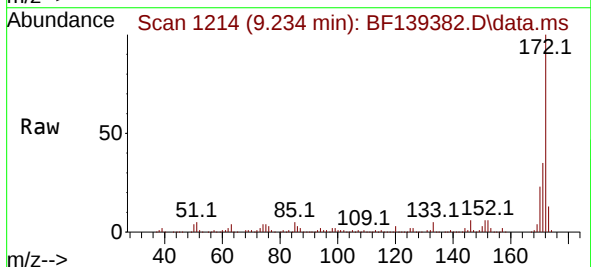
Tgt Ion: 330 Resp: 112192
Ion Ratio Lower Upper
330 100
332 96.3 75.2 112.8
141 40.7 31.2 46.8

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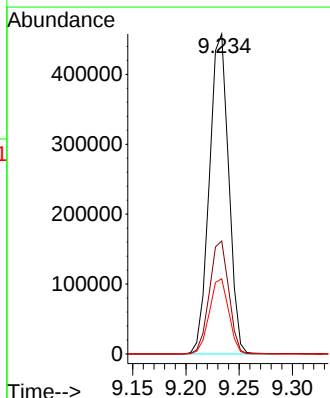
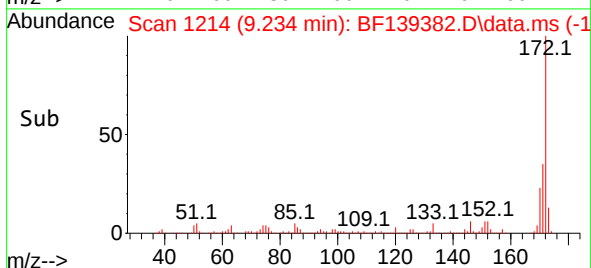
Reviewed By : Yogesh Patel 09/17/2024
Supervised By : mohammad ahmed 09/19/2024



#45
2-Fluorobiphenyl
Concen: 68.417 ng
RT: 9.234 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58



Tgt Ion: 172 Resp: 578501
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

Tgt Ion:188 Resp: 19594

Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

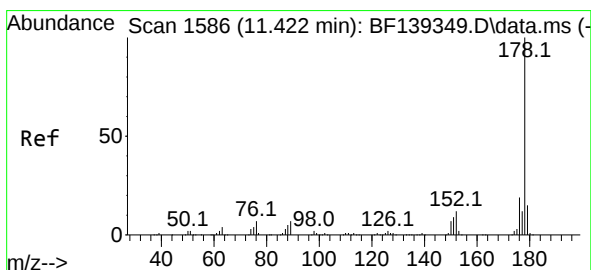
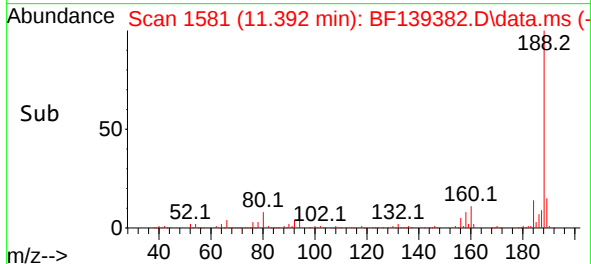
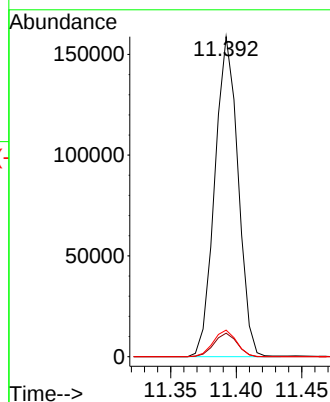
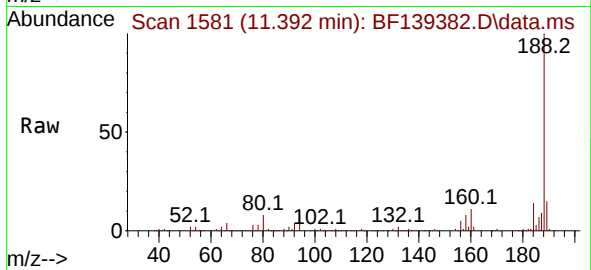
80 8.3 6.6 9.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#71

Phenanthrene

Concen: 6.980 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

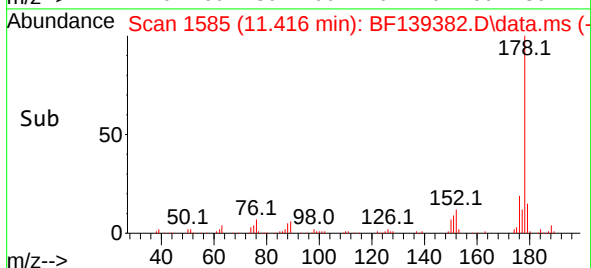
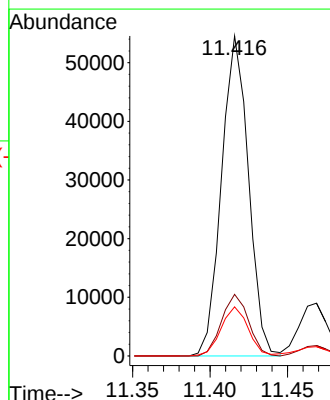
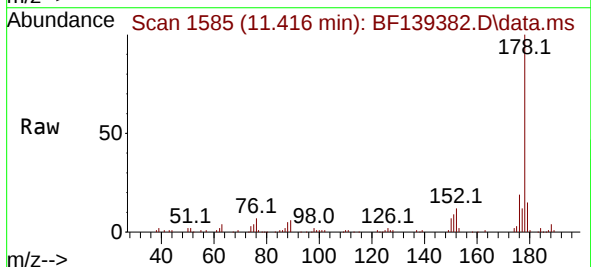
Tgt Ion:178 Resp: 65990

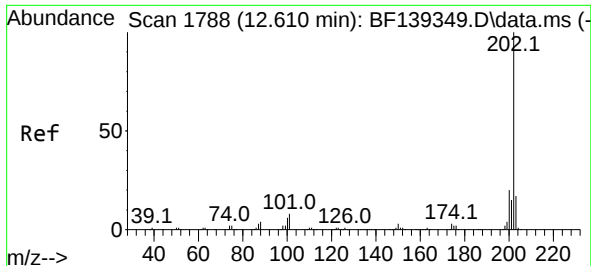
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

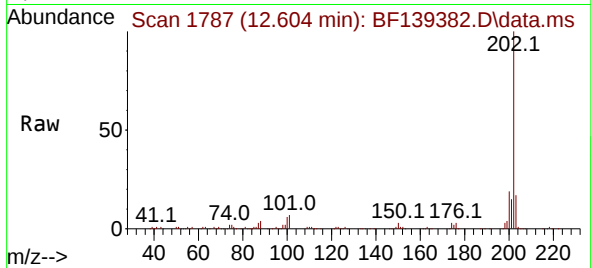
179 15.3 12.2 18.4





#75
Fluoranthene
Concen: 11.466 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

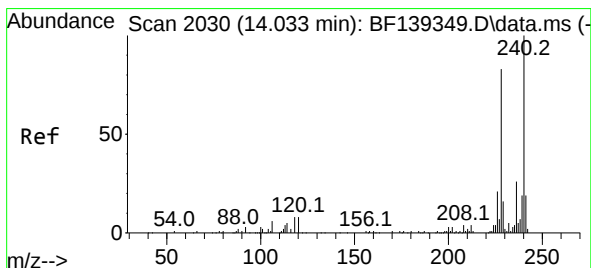
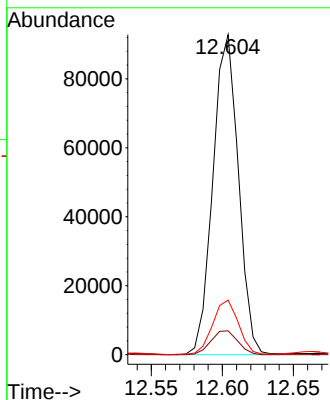
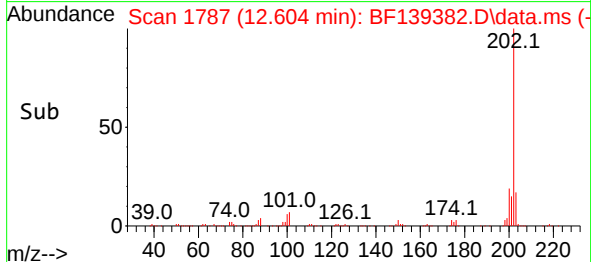
Instrument :
BNA_F
ClientSampleId :
BIN-2



Tgt Ion: 202 Resp: 11575
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.7
203 17.1 0.0 37.4

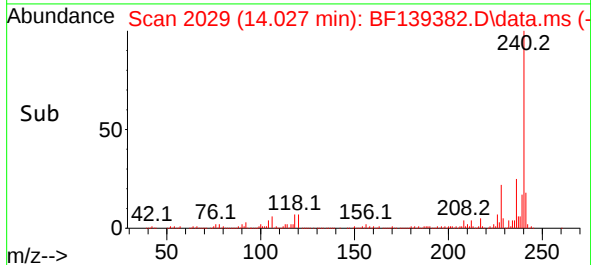
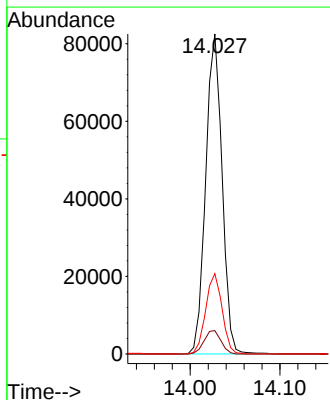
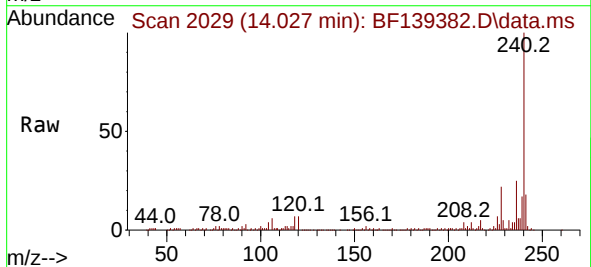
Manual Integrations
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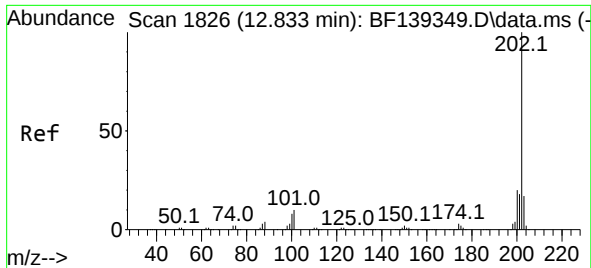
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

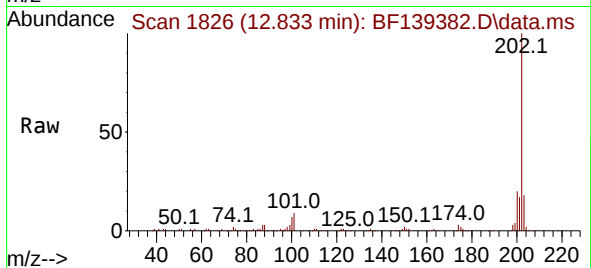
Tgt Ion: 240 Resp: 104507
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.2
236 25.1 20.9 31.3





#78
Pyrene
Concen: 10.849 ng
RT: 12.833 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

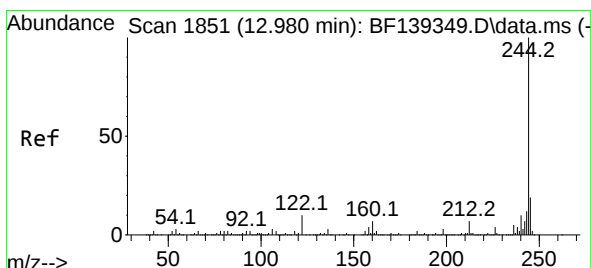
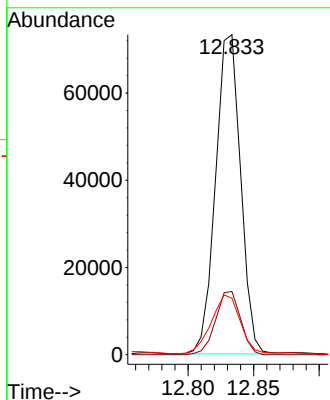
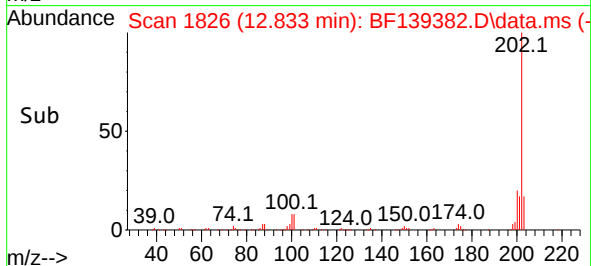
Instrument :
BNA_F
ClientSampleId :
BIN-2



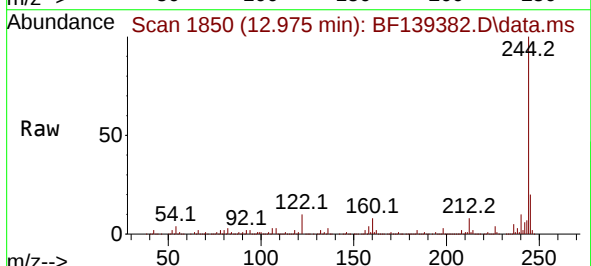
Tgt Ion:202 Resp: 97350
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 17.6 13.9 20.9

Manual Integrations
APPROVED

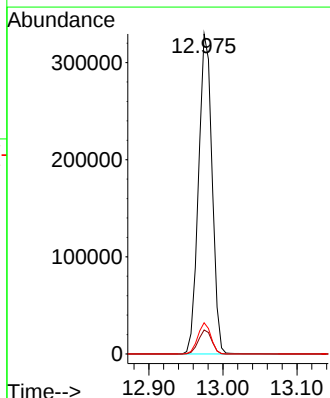
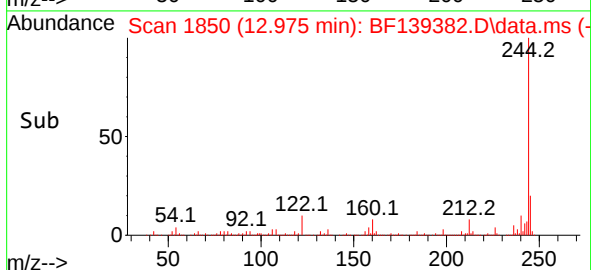
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

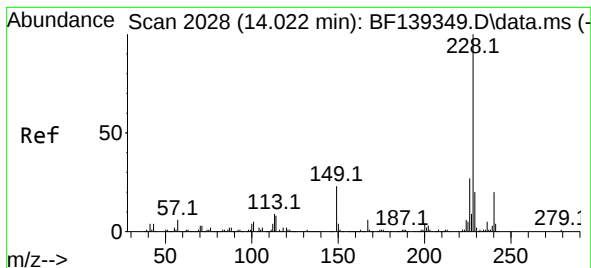


#79
Terphenyl-d14
Concen: 65.912 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58



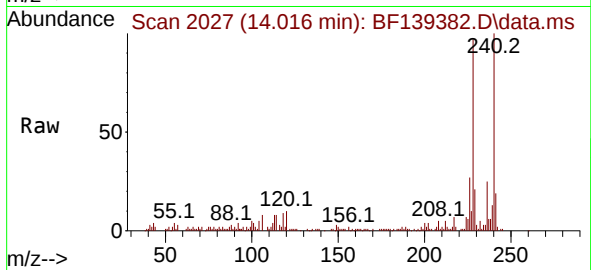
Tgt Ion:244 Resp: 419661
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 9.8 7.6 11.4





#81
Benzo(a)anthracene
Concen: 7.280 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

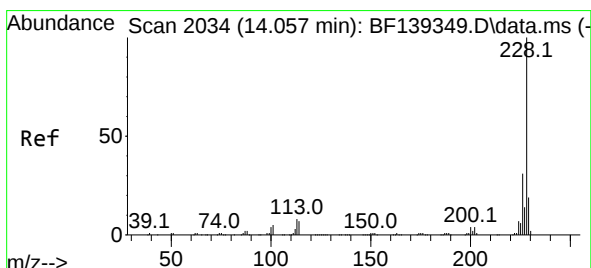
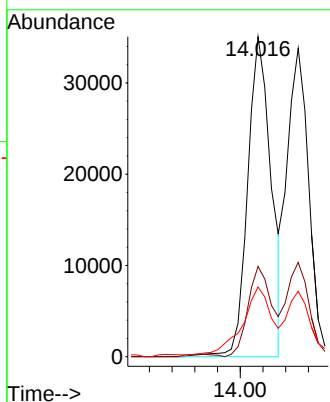
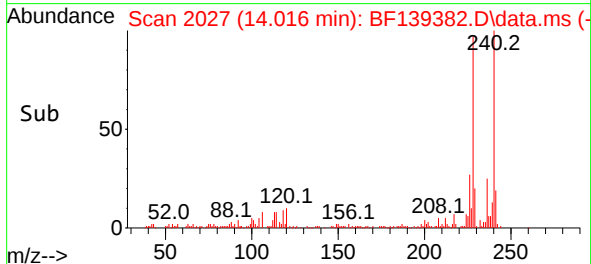
Instrument :
BNA_F
ClientSampleId :
BIN-2



Tgt Ion:228 Resp: 5039
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 21.8 15.7 23.5

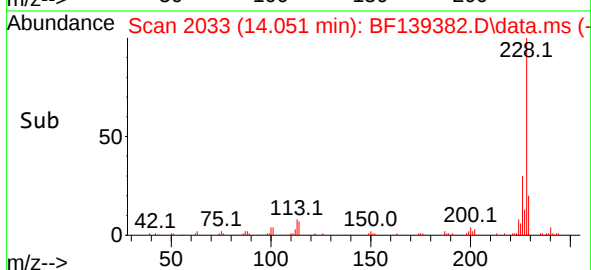
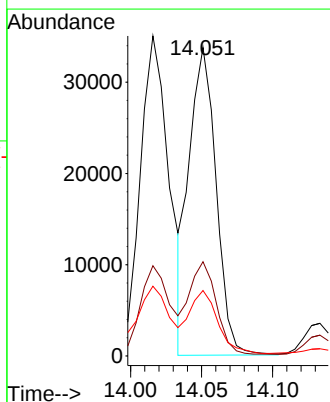
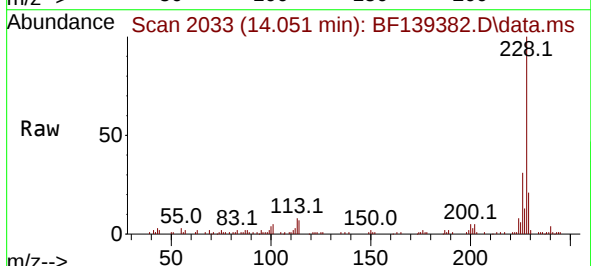
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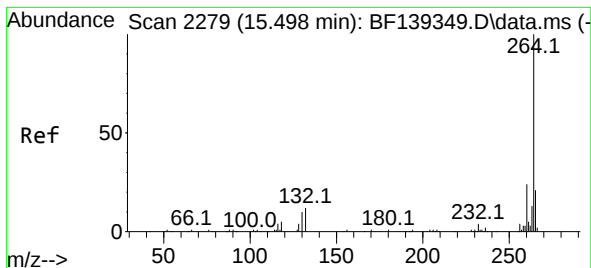
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#83
Chrysene
Concen: 6.986 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

Tgt Ion:228 Resp: 44494
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

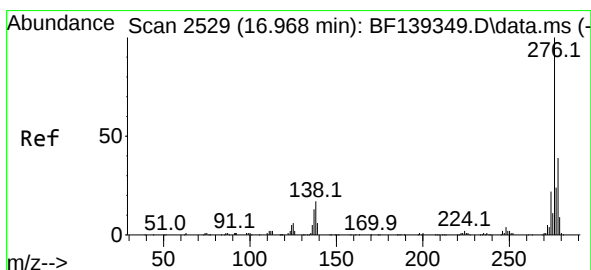
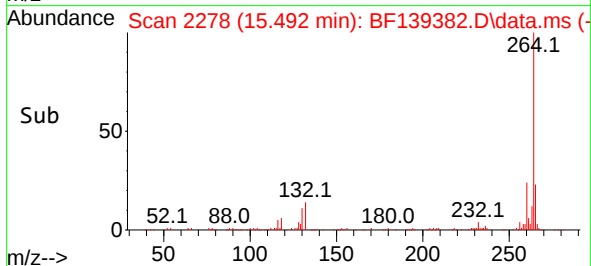
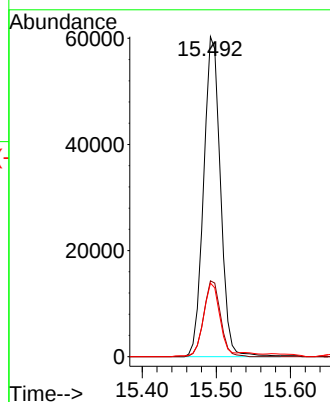
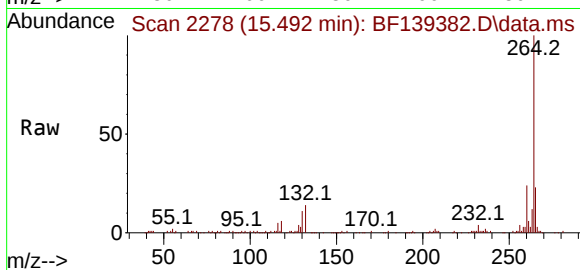
Tgt Ion:264	Resp:	9531
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.5 29.3
265	23.0	16.6 25.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.586 ng

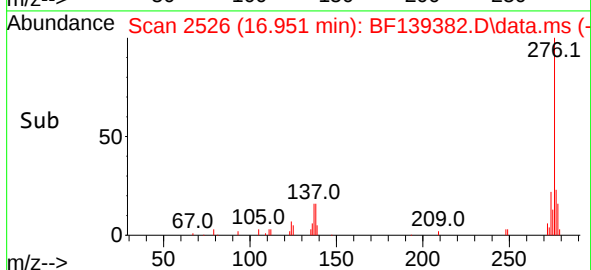
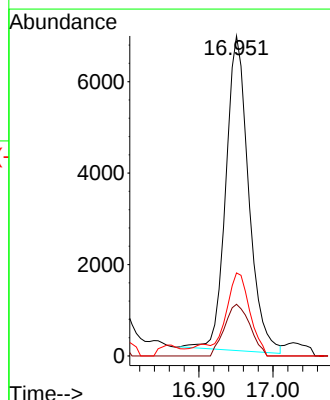
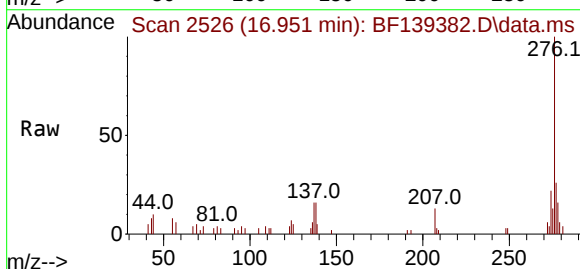
RT: 16.951 min Scan# 2526

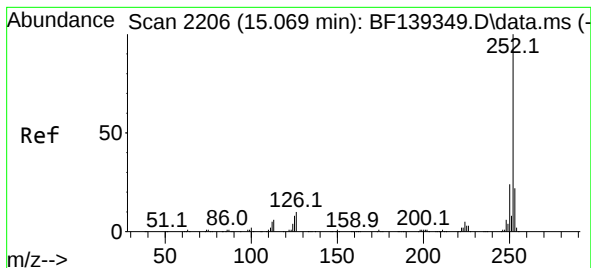
Delta R.T. -0.018 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Tgt Ion:276	Resp:	14658
Ion Ratio	Lower	Upper
276	100	
138	18.3	15.4 23.2
277	27.1	20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.847 ng m

RT: 15.063 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

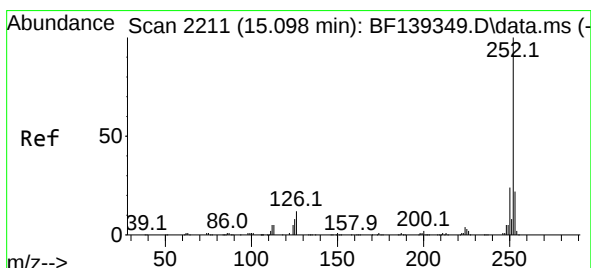
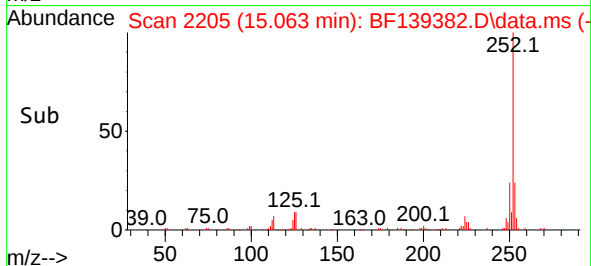
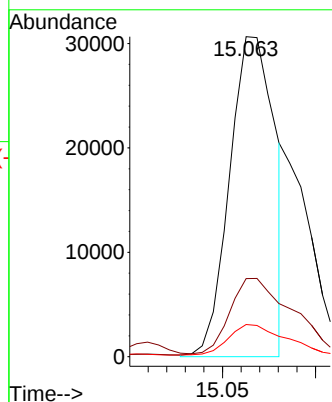
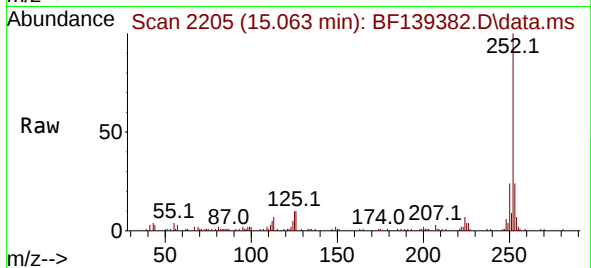
Tgt Ion:252	Resp:	52009
Ion Ratio	Lower	Upper
252	100	
253	24.4	17.6 26.4
125	10.1	6.2 9.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#89

Benzo(k)fluoranthene

Concen: 3.702 ng m

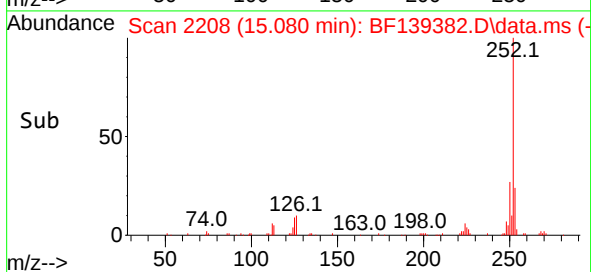
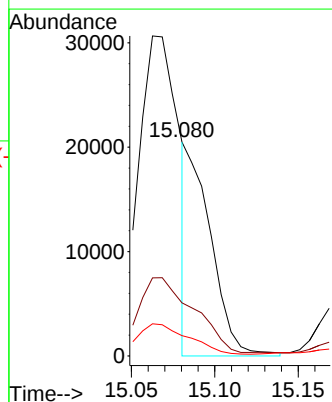
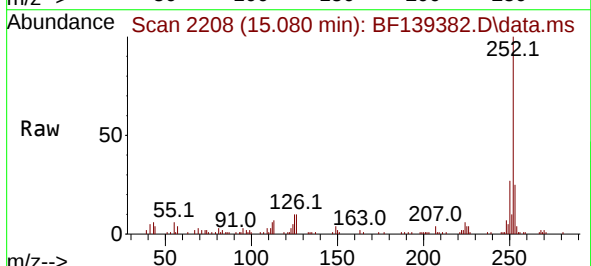
RT: 15.080 min Scan# 2208

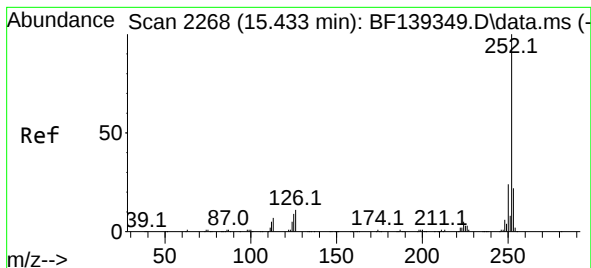
Delta R.T. -0.018 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

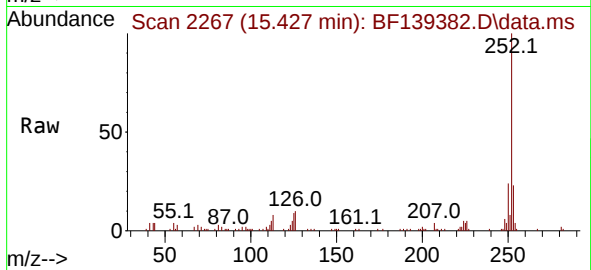
Tgt Ion:252	Resp:	20066
Ion Ratio	Lower	Upper
252	100	
253	24.9	17.3 25.9
125	9.5	5.9 8.9





#90
Benzo(a)pyrene
Concen: 6.767 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

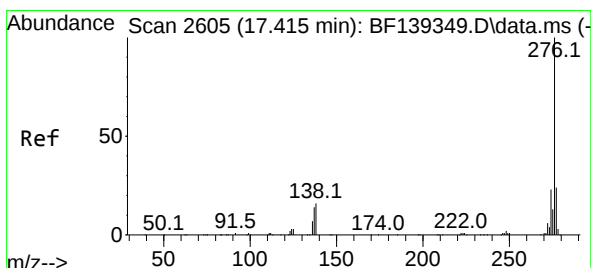
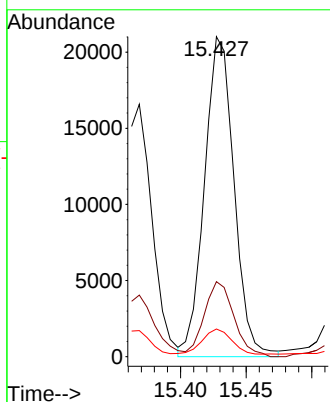
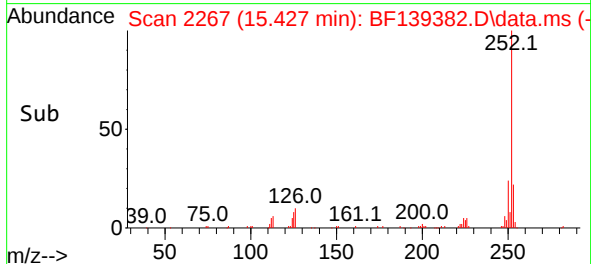
Instrument :
BNA_F
ClientSampleId :
BIN-2



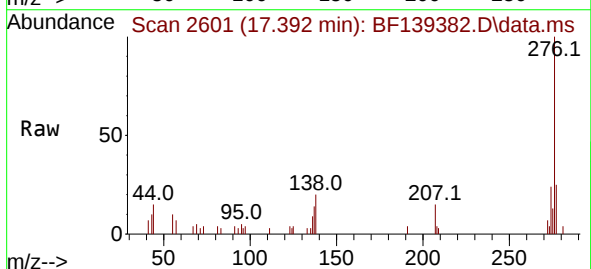
Tgt Ion:252 Resp: 3299
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 8.7 6.8 10.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#92
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 17.392 min Scan# 2601
Delta R.T. -0.024 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58



Tgt Ion:276 Resp: 14014
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 19.6 13.0 19.6#

