

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139383.D
 Acq On : 16 Sep 2024 17:27
 Operator : RC/JU
 Sample : P3947-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 17:48:29 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	58357	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	210995	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	108172	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	159684	20.000	ng	0.00
76) Chrysene-d12	14.027	240	99857	20.000	ng	0.00
86) Perylene-d12	15.492	264	77157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	458941	128.295	ng	0.00
7) Phenol-d6	6.504	99	598632	127.495	ng	0.00
23) Nitrobenzene-d5	7.440	82	407966	90.898	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	126423	109.778	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	686339	88.988	ng	0.00
79) Terphenyl-d14	12.975	244	446673	73.421	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	123421	16.020	ng	99
72) Anthracene	11.469	178	26104	3.466	ng	99
75) Fluoranthene	12.604	202	163562	19.880	ng	99
78) Pyrene	12.833	202	148123	17.276	ng	100
81) Benzo(a)anthracene	14.016	228	75242	11.375	ng	94
83) Chrysene	14.051	228	62622m	10.291	ng	
87) Indeno(1,2,3-cd)pyrene	16.957	276	16890	3.681	ng	94
88) Benzo(b)fluoranthene	15.069	252	56070m	11.783	ng	
89) Benzo(k)fluoranthene	15.080	252	23336m	5.319	ng	
90) Benzo(a)pyrene	15.427	252	37623	9.533	ng	97
92) Benzo(g,h,i)perylene	17.398	276	16911	4.505	ng	# 94

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

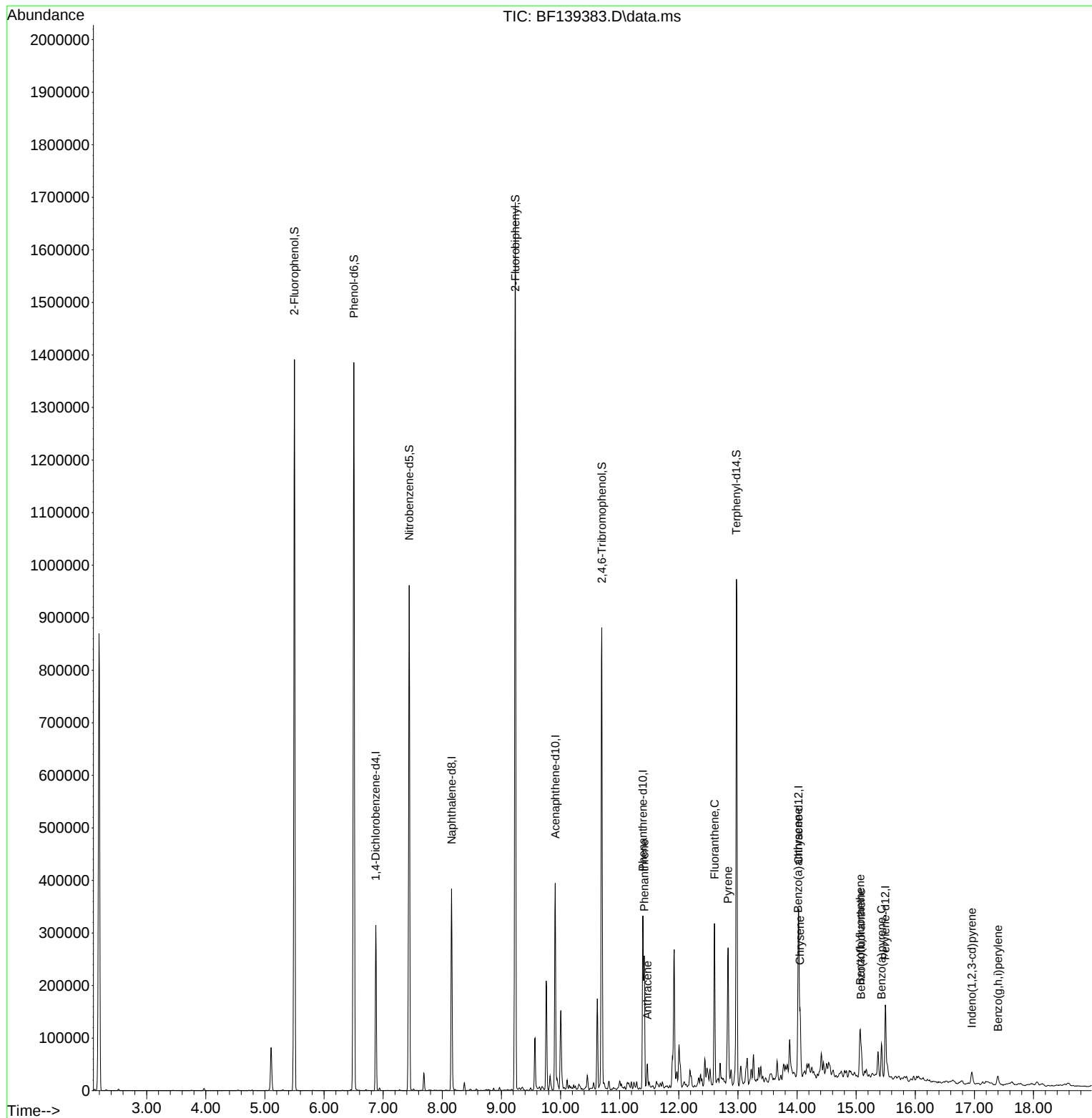
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139383.D
Acq On : 16 Sep 2024 17:27
Operator : RC/JU
Sample : P3947-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

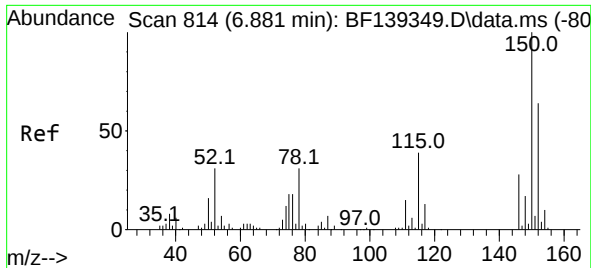
Instrument :
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Quant Time: Sep 16 17:48:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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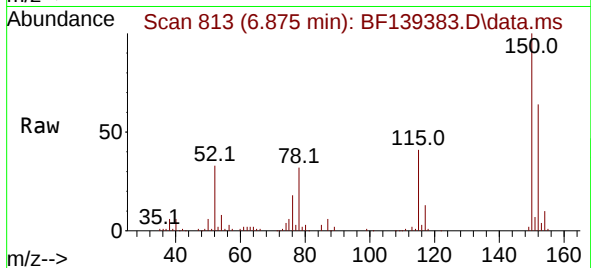
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

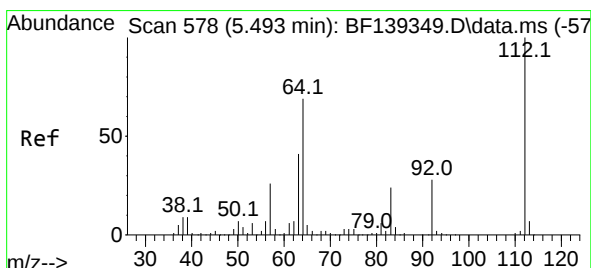
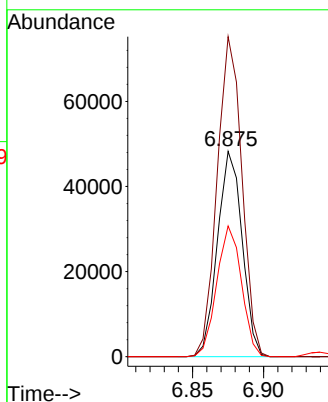
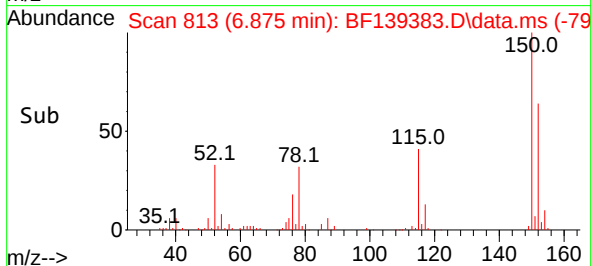
Instrument :
BNA_F
ClientSampleId :
RW-1



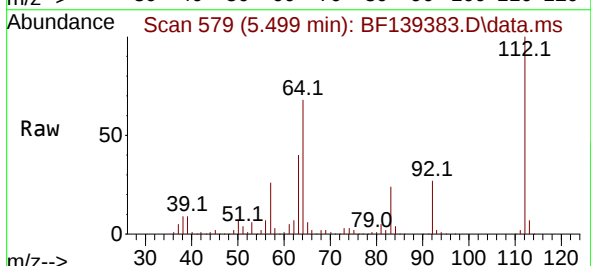
Tgt Ion:152 Resp: 5835
Ion Ratio Lower Upper
152 100
150 155.9 124.1 186.1
115 63.6 48.1 72.1

Manual Integrations
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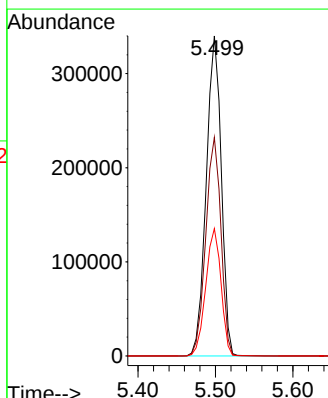
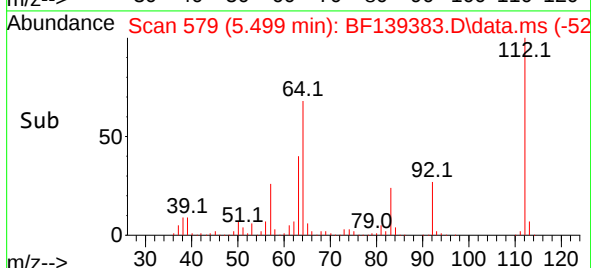
Reviewed By :Yogesh Patel 09/17/2024
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#5
2-Fluorophenol
Concen: 128.295 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27



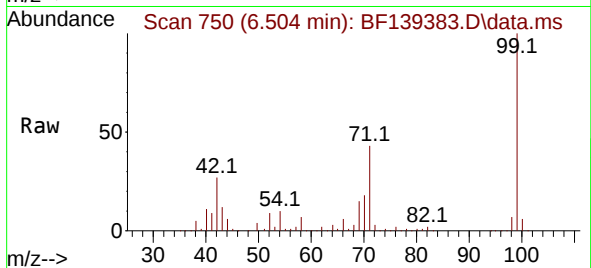
Tgt Ion:112 Resp: 458941
Ion Ratio Lower Upper
112 100
64 68.3 54.8 82.2
63 39.8 33.0 49.4





#7
Phenol-d6
Concen: 127.495 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

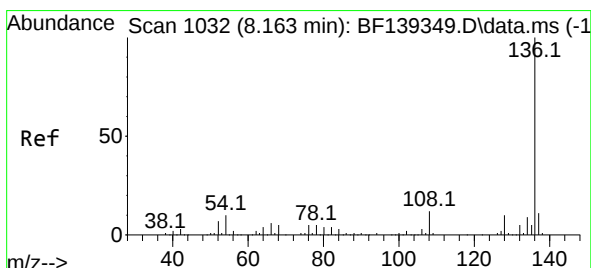
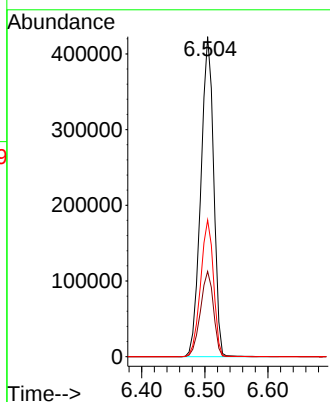
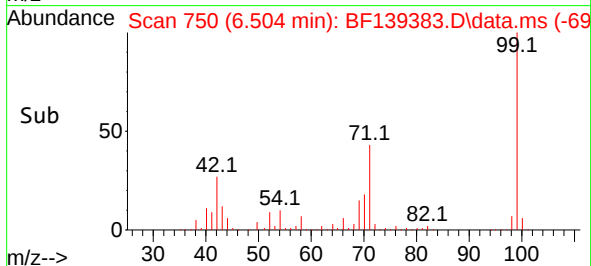
Instrument :
BNA_F
ClientSampleId :
RW-1



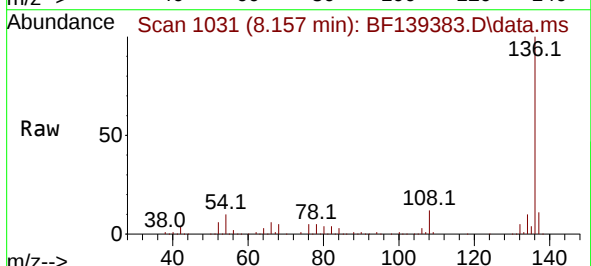
Tgt Ion: 99 Resp: 59863
Ion Ratio Lower Upper
99 100
42 26.6 21.9 32.9
71 42.7 34.6 52.0

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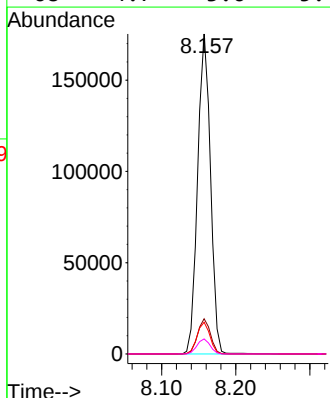
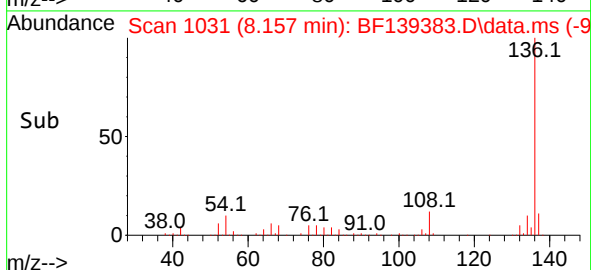
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27



Tgt Ion:136 Resp: 210995
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.9 7.8 11.8
68 4.7 3.6 5.4





#23

Nitrobenzene-d5

Concen: 90.898 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

Tgt Ion: 82 Resp: 407960

Ion Ratio Lower Upper

82 100

128 39.3 31.8 47.6

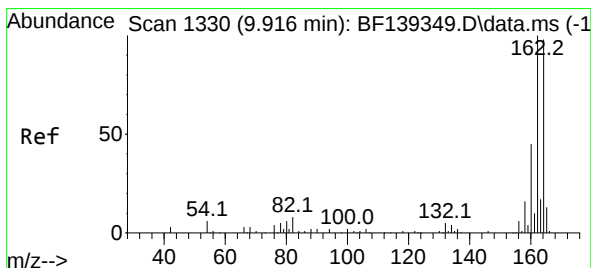
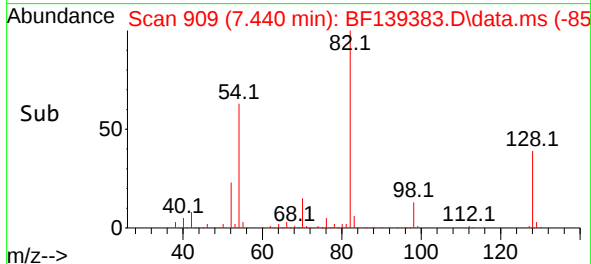
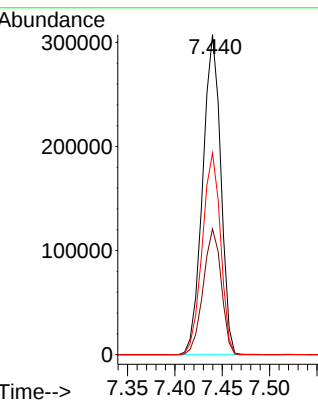
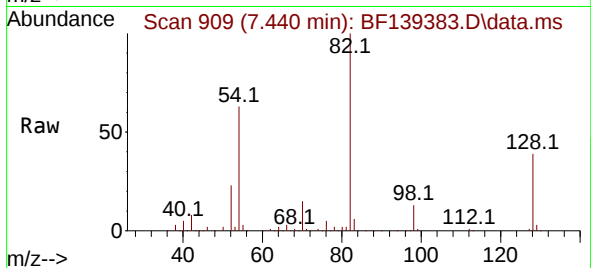
54 63.0 50.6 75.8

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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: BF139383.D

Acq: 16 Sep 2024 17:27

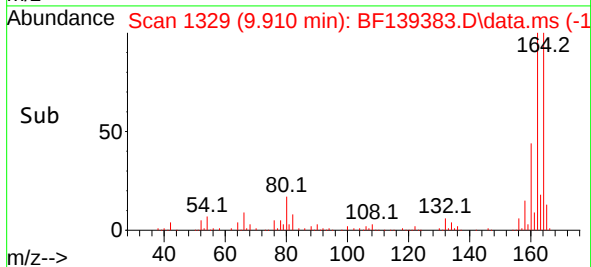
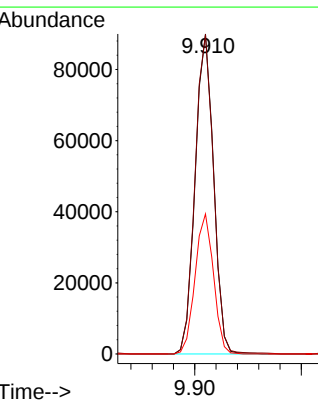
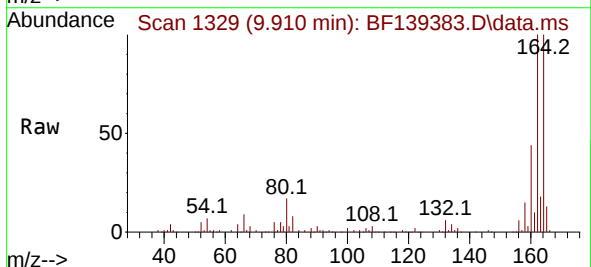
Tgt Ion:164 Resp: 108172

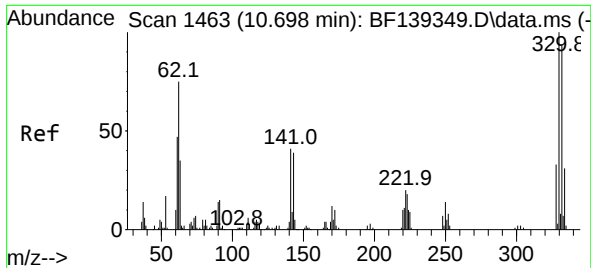
Ion Ratio Lower Upper

164 100

162 99.8 81.3 121.9

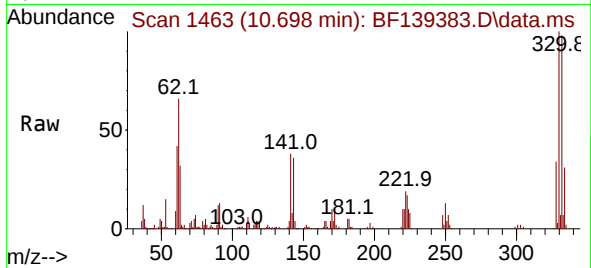
160 43.8 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 109.778 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

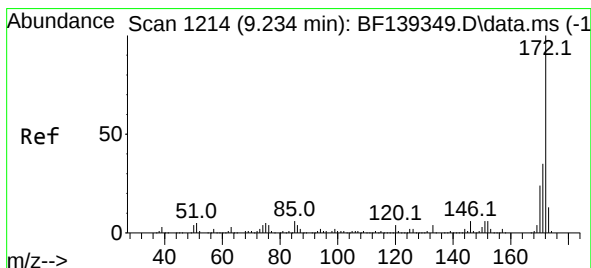
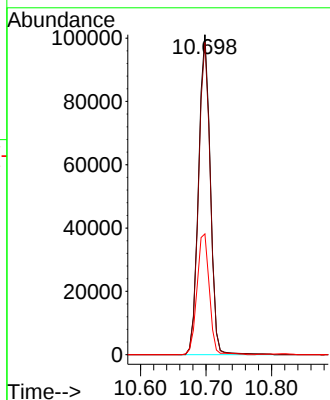
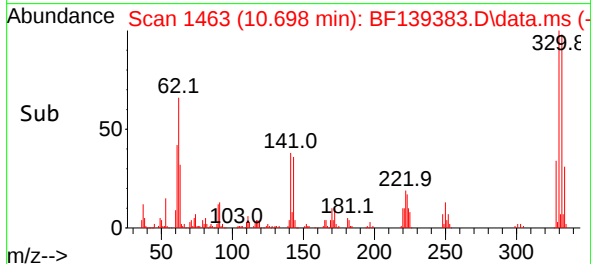
Instrument :
BNA_F
ClientSampleId :
RW-1



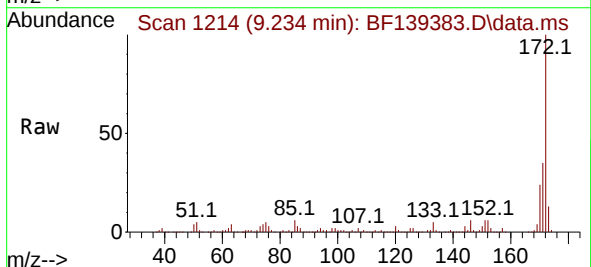
Tgt Ion: 330 Resp: 126423
Ion Ratio Lower Upper
330 100
332 97.2 75.2 112.8
141 39.6 31.2 46.8

Manual Integrations
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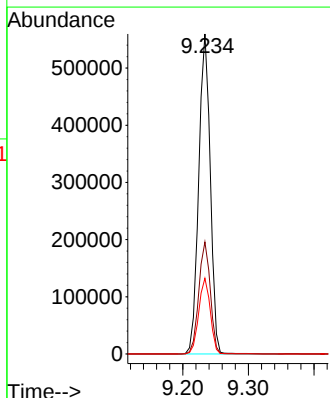
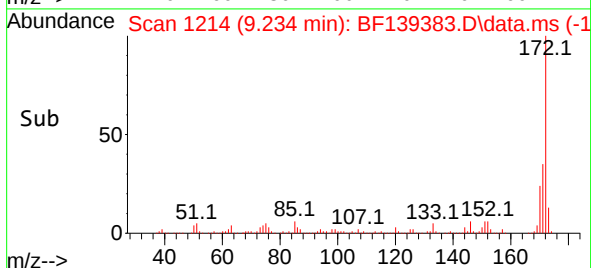
Reviewed By :Yogesh Patel 09/17/2024
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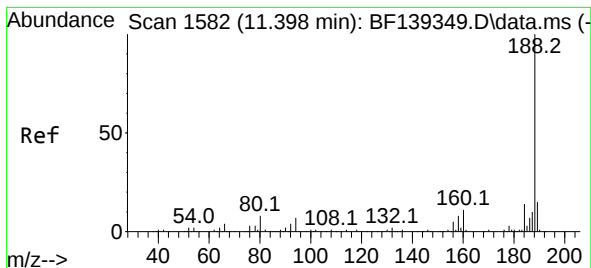


#45
2-Fluorobiphenyl
Concen: 88.988 ng
RT: 9.234 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27



Tgt Ion: 172 Resp: 686339
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

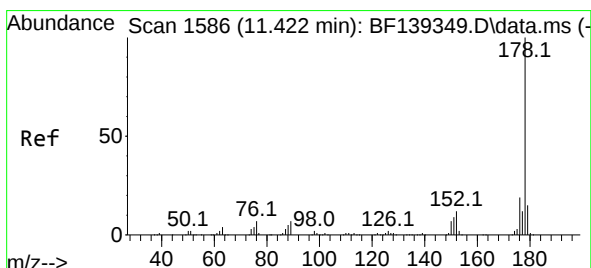
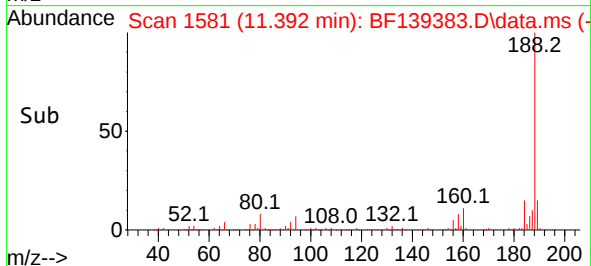
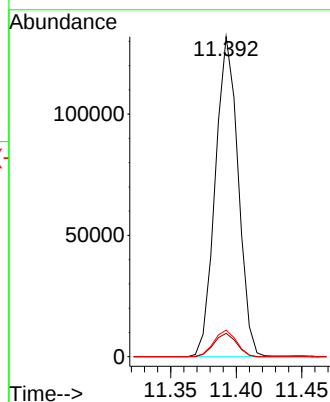
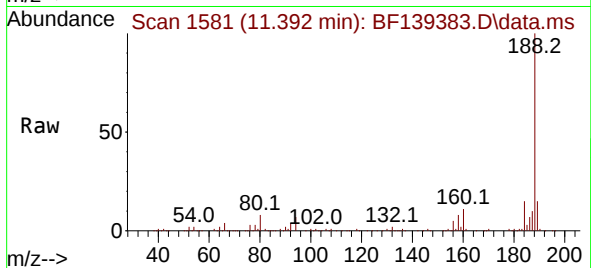
Tgt Ion:188	Resp: 159684
Ion Ratio	Lower Upper
188 100	
94 7.3	5.5 8.3
80 8.3	6.6 9.8

Manual Integrations

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#71

Phenanthrene

Concen: 16.020 ng

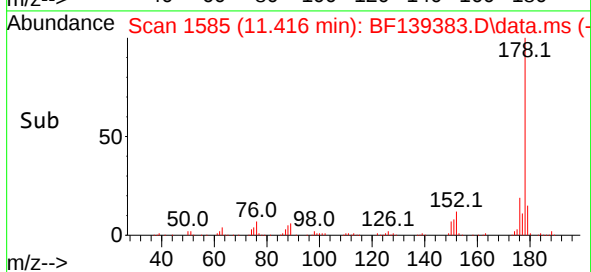
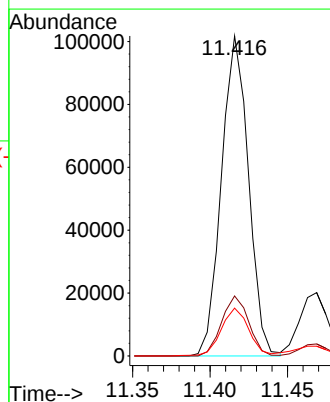
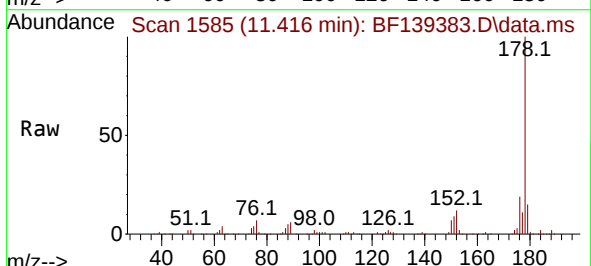
RT: 11.416 min Scan# 1585

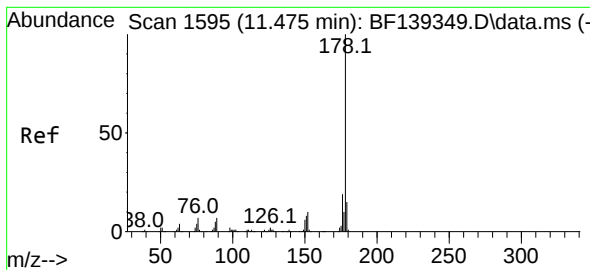
Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Tgt Ion:178	Resp: 123421
Ion Ratio	Lower Upper
178 100	
176 18.7	15.2 22.8
179 15.0	12.2 18.4





#72

Anthracene

Concen: 3.466 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

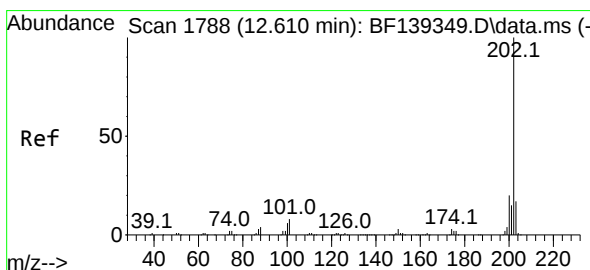
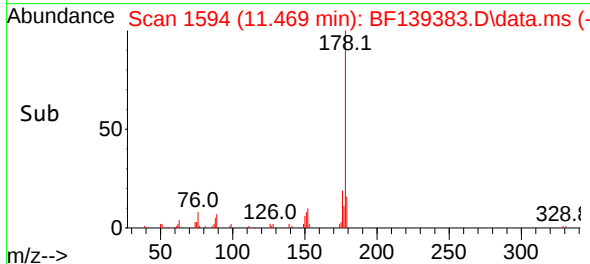
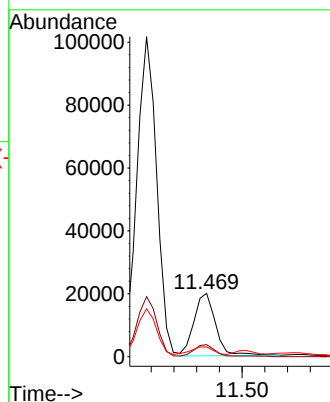
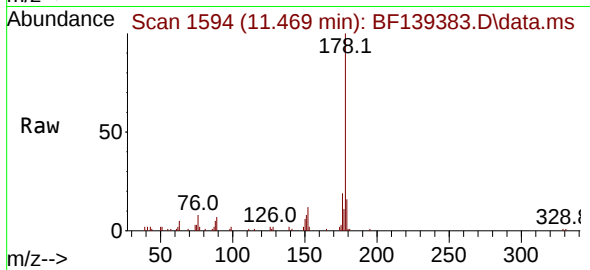
Tgt Ion:178	Resp:	26104
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.0 22.6
179	15.5	12.0 18.0

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#75

Fluoranthene

Concen: 19.880 ng

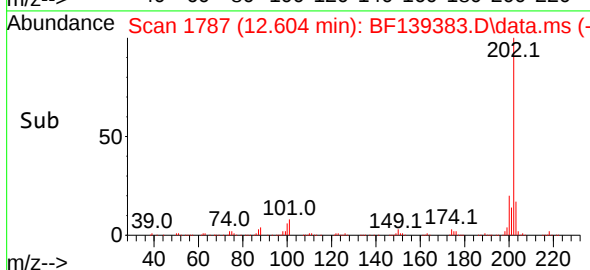
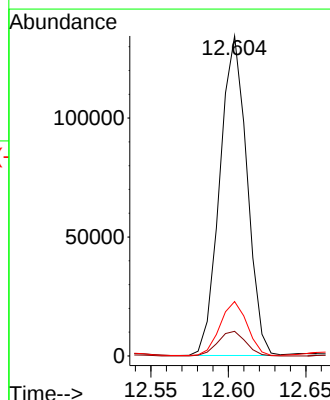
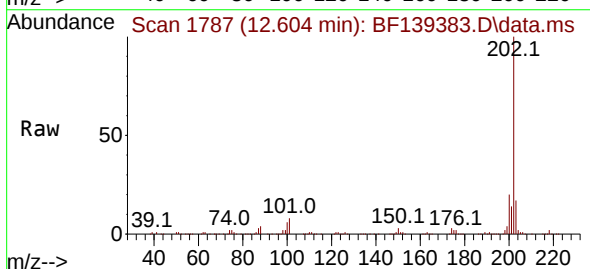
RT: 12.604 min Scan# 1787

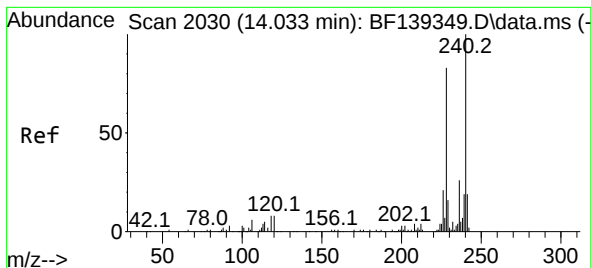
Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Tgt Ion:202	Resp:	163562
Ion Ratio	Lower	Upper
202	100	
101	7.7	0.0 27.7
203	17.0	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: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

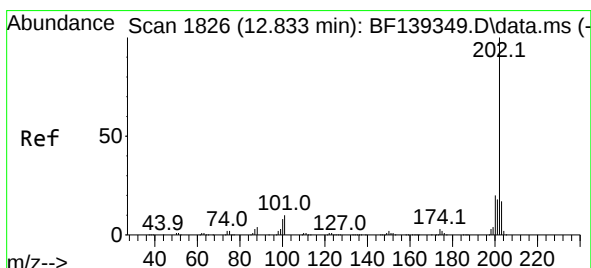
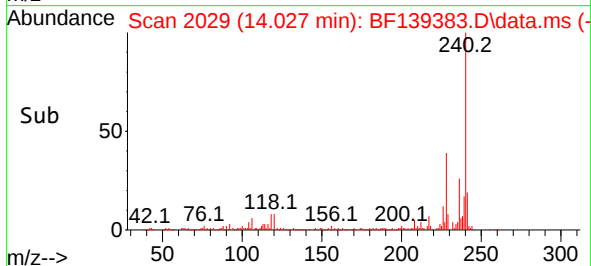
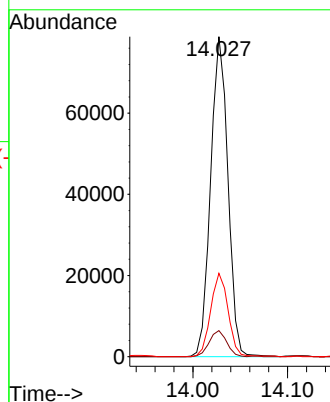
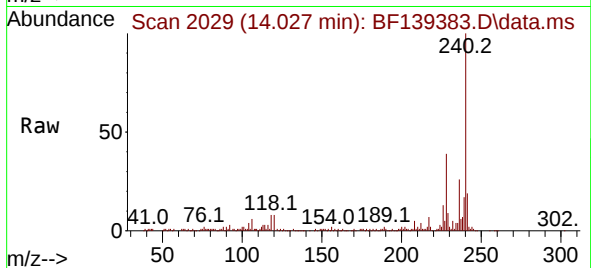
Tgt Ion:240	Resp: 9985
Ion Ratio	Lower Upper
240 100	
120 8.1	6.2 9.2
236 26.1	20.9 31.3

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#78

Pyrene

Concen: 17.276 ng

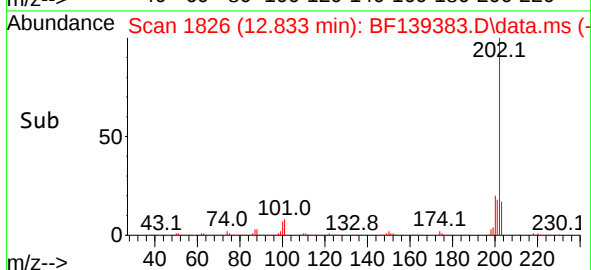
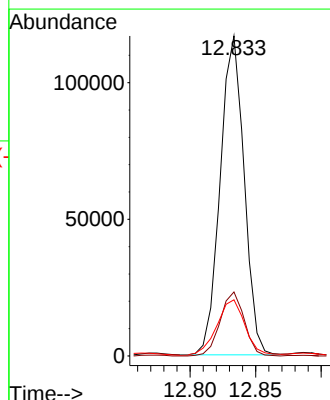
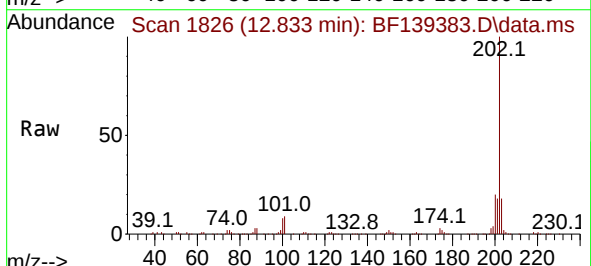
RT: 12.833 min Scan# 1826

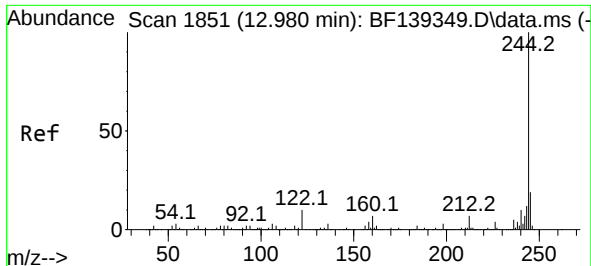
Delta R.T. 0.000 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

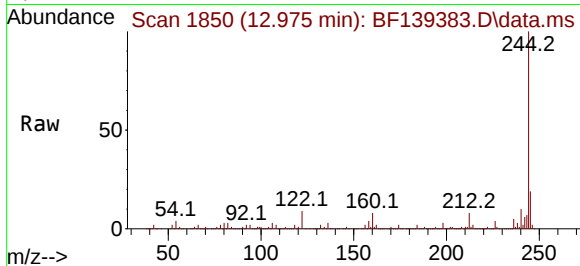
Tgt Ion:202	Resp: 148123
Ion Ratio	Lower Upper
202 100	
200 20.0	16.2 24.2
203 17.6	13.9 20.9





#79
 Terphenyl-d14
 Concen: 73.421 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF139383.D
 Acq: 16 Sep 2024 17:27

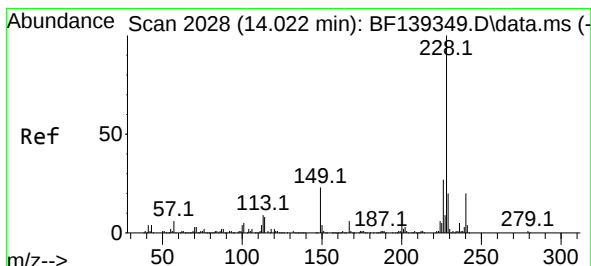
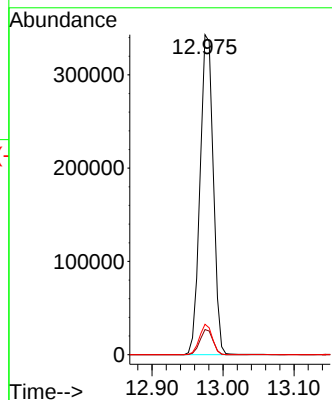
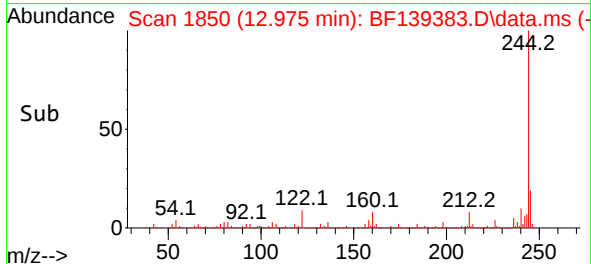
Instrument :
 BNA_F
 ClientSampleId :
 RW-1



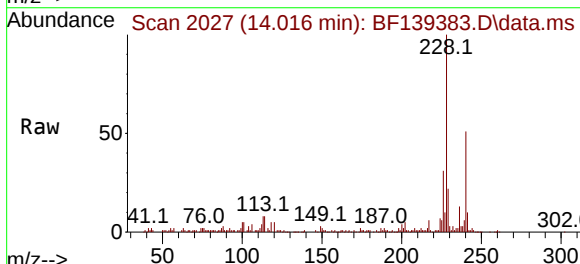
Tgt Ion:244 Resp: 446673
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 9.5 7.6 11.4

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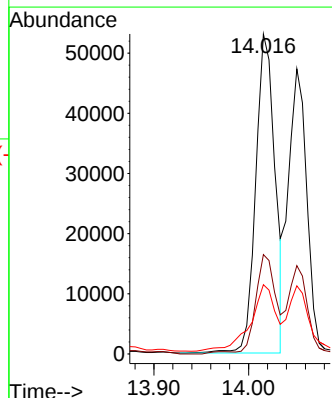
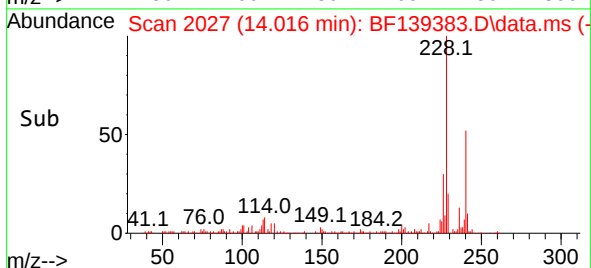
Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :mohammad ahmed 09/19/2024

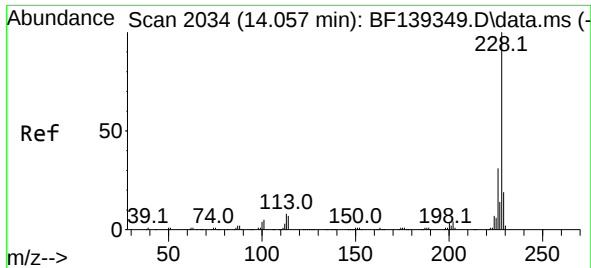


#81
 Benzo(a)anthracene
 Concen: 11.375 ng
 RT: 14.016 min Scan# 2027
 Delta R.T. -0.006 min
 Lab File: BF139383.D
 Acq: 16 Sep 2024 17:27



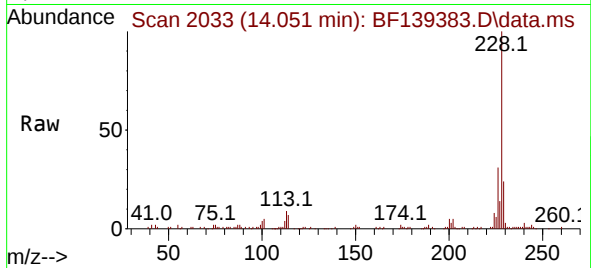
Tgt Ion:228 Resp: 75242
 Ion Ratio Lower Upper
 228 100
 226 31.1 21.6 32.4
 229 21.6 15.7 23.5





#83
Chrysene
Concen: 10.291 ng m
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

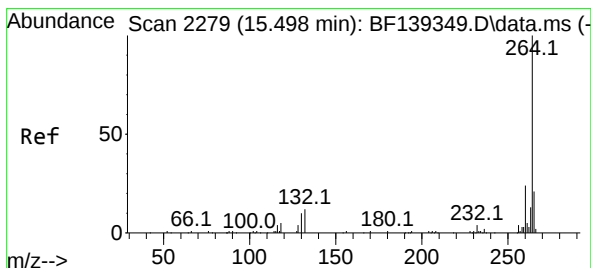
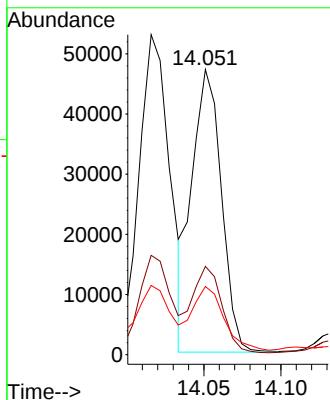
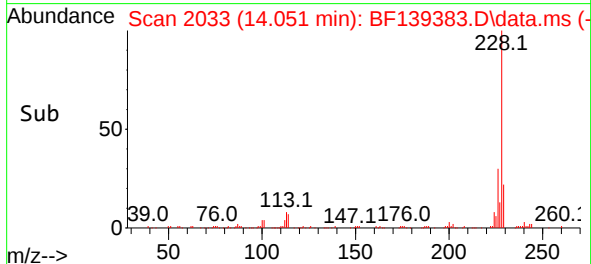
Instrument :
BNA_F
ClientSampleId :
RW-1



Tgt Ion:228 Resp: 6262
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 23.9 15.4 23.0

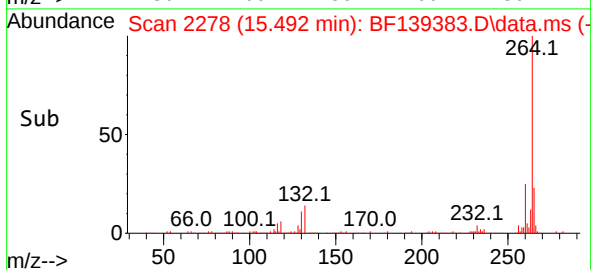
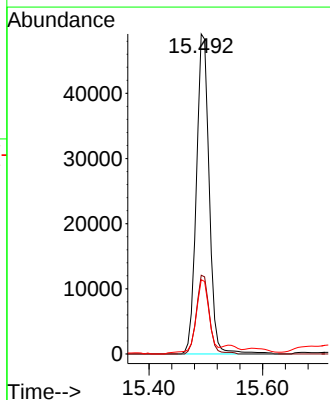
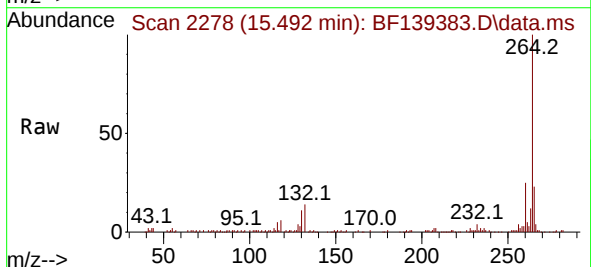
Manual Integrations
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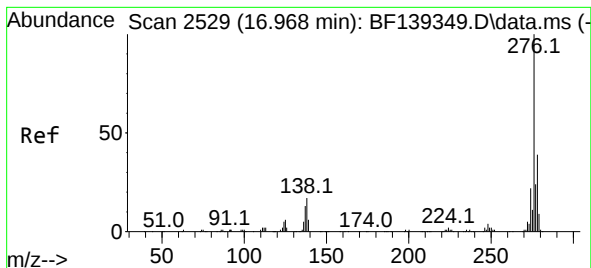
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

Tgt Ion:264 Resp: 77157
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 23.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.681 ng

RT: 16.957 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139383.D

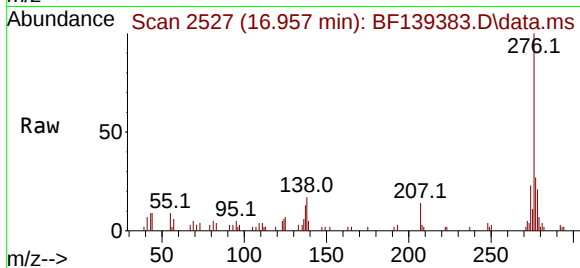
Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1



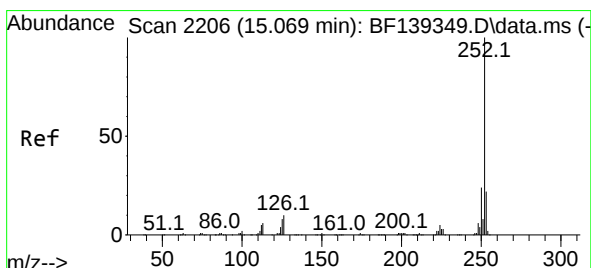
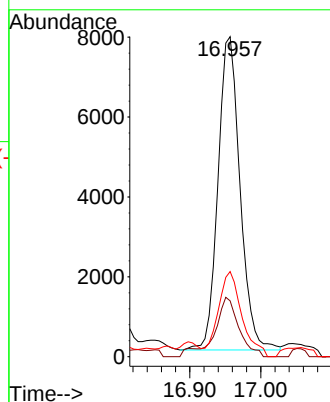
Tgt Ion:	276	Resp:	16890
Ion Ratio	Lower	Upper	
276	100		
138	21.1	15.4	23.2
277	29.2	20.4	30.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 11.783 ng m

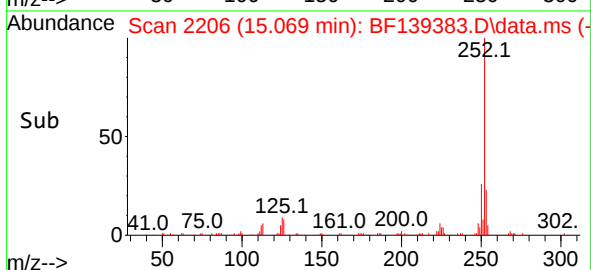
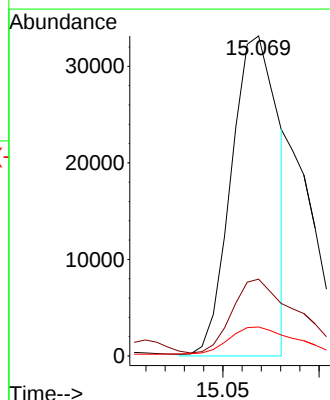
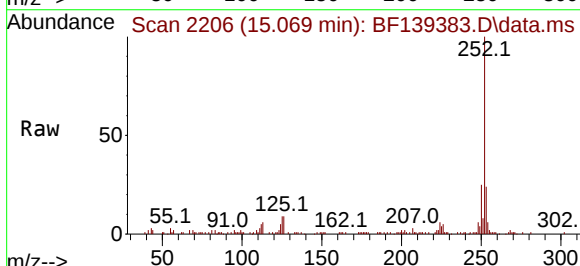
RT: 15.069 min Scan# 2206

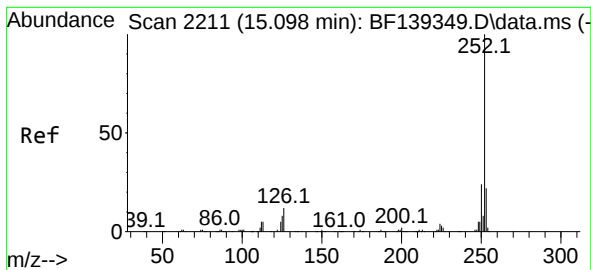
Delta R.T. 0.000 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Tgt Ion:	252	Resp:	56070
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	9.1	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 5.319 ng m

RT: 15.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

Tgt Ion:252 Resp: 23330

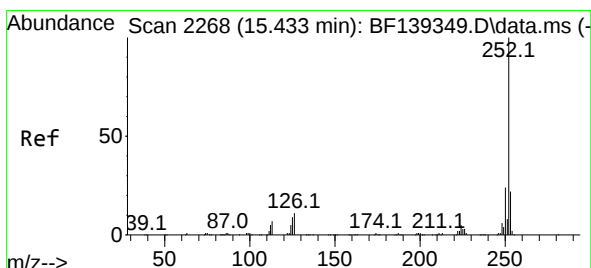
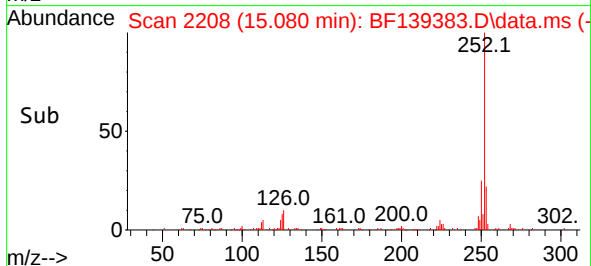
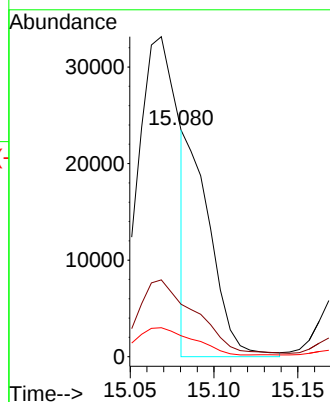
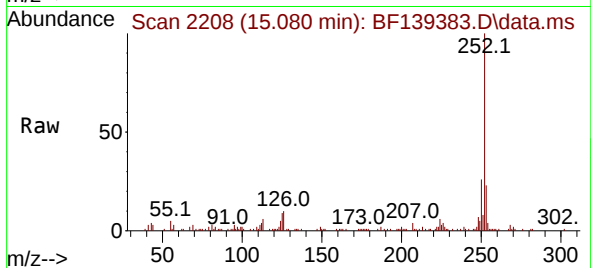
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	9.2	5.9	8.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#90

Benzo(a)pyrene

Concen: 9.533 ng

RT: 15.427 min Scan# 2267

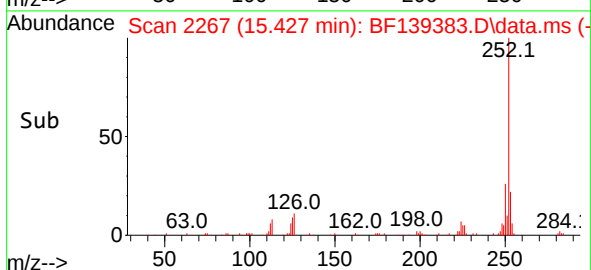
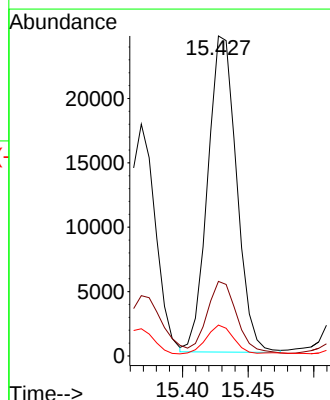
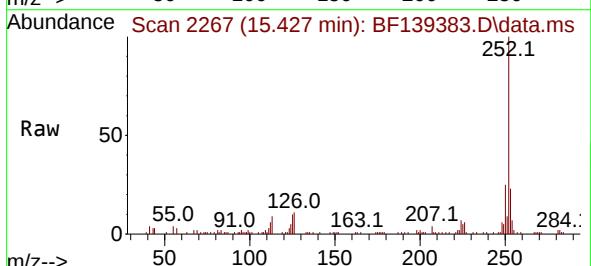
Delta R.T. -0.006 min

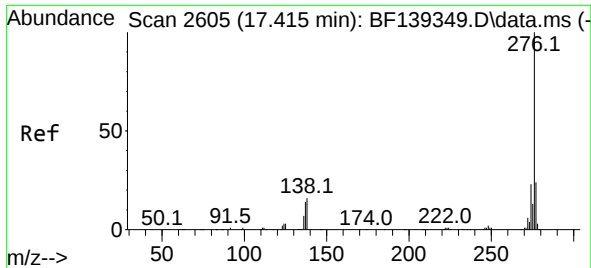
Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Tgt Ion:252 Resp: 37623

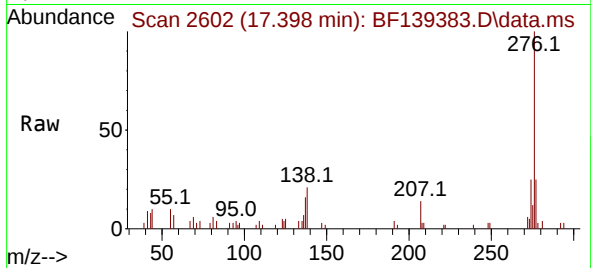
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	9.6	6.8	10.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.505 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF139383.D
 Acq: 16 Sep 2024 17:27

Instrument :
 BNA_F
 ClientSampleId :
 RW-1



Tgt Ion:	276	Resp:	1691
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.9	28.3
138	20.7	13.0	19.6

Manual Integrations
 APPROVED

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

