

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
 Data File : BF139526.D
 Acq On : 24 Sep 2024 18:04
 Operator : RC/JU
 Sample : P4149-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024

Quant Time: Sep 24 18:35:18 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	50232	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	195568	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	109373	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	201767	20.000	ng	0.00
76) Chrysene-d12	14.033	240	136326	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	105159	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	54382	17.661	ng	-0.01
7) Phenol-d6	6.498	99	71890	17.787	ng	0.00
23) Nitrobenzene-d5	7.434	82	44973	10.811	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	14109	12.117	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	89791	11.514	ng	0.00
79) Terphenyl-d14	12.980	244	89013	10.717	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	24973	2.565	ng	99
75) Fluoranthene	12.610	202	35492	3.414	ng	99
78) Pyrene	12.839	202	37635	3.215	ng	99
81) Benzo(a)anthracene	14.021	228	19173m	2.123	ng	
83) Chrysene	14.057	228	17931	2.158	ng	96
88) Benzo(b)fluoranthene	15.074	252	18342m	2.828	ng	
90) Benzo(a)pyrene	15.445	252	11614	2.159	ng	# 91

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

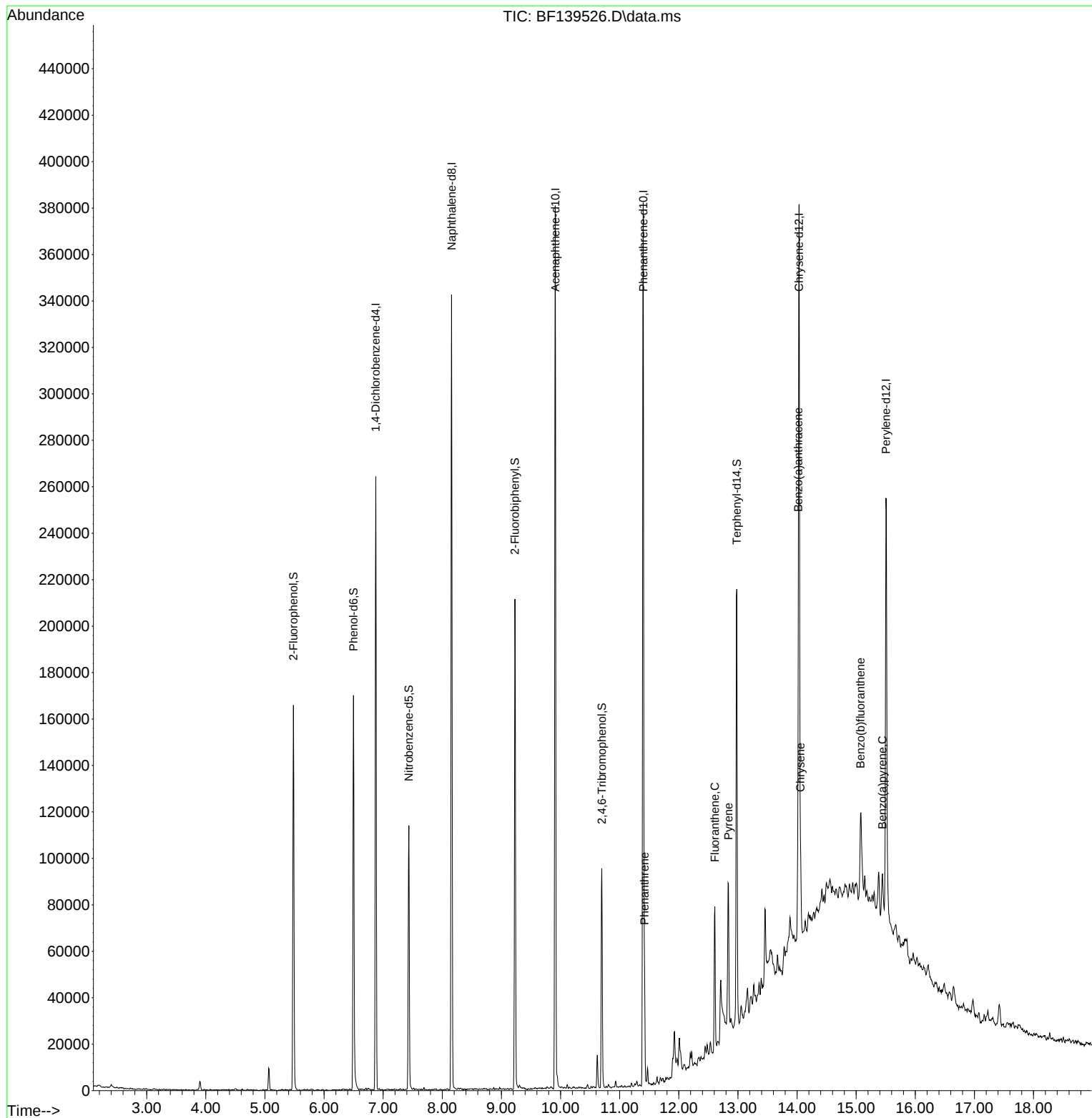
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
Data File : BF139526.D
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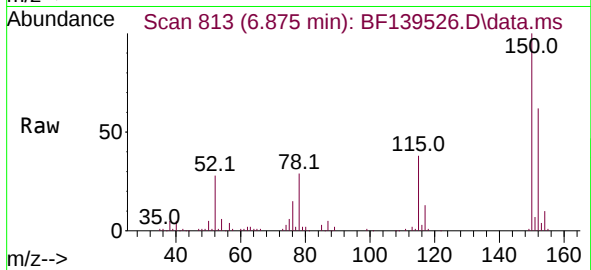
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

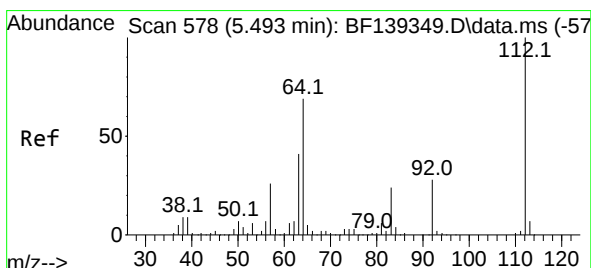
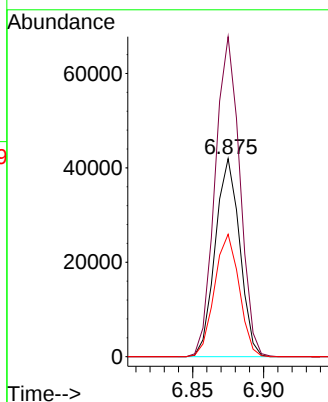
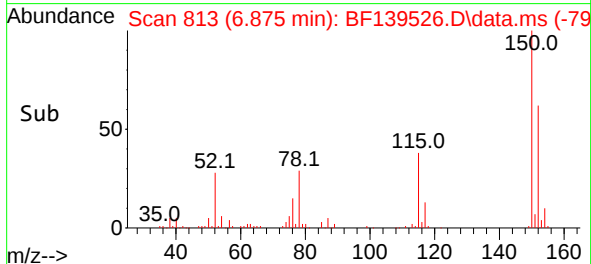
Instrument :
BNA_F
ClientSampleId :
COMP-6



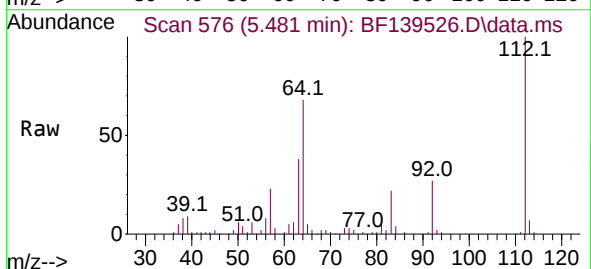
Tgt Ion:152 Resp: 5023
Ion Ratio Lower Upper
152 100
150 161.5 124.1 186.1
115 61.8 48.1 72.1

Manual Integrations
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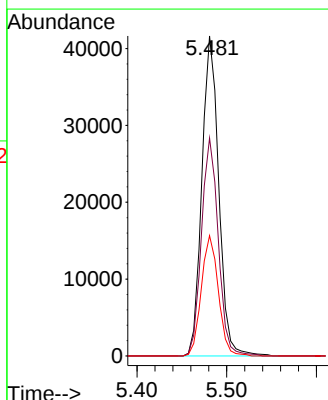
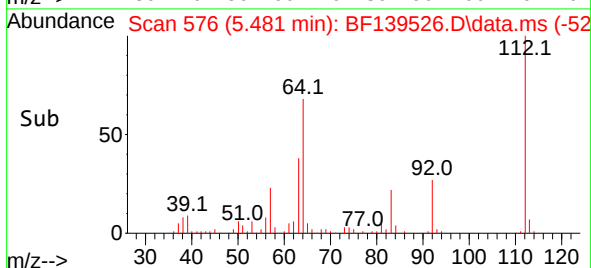
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#5
2-Fluorophenol
Concen: 17.661 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04



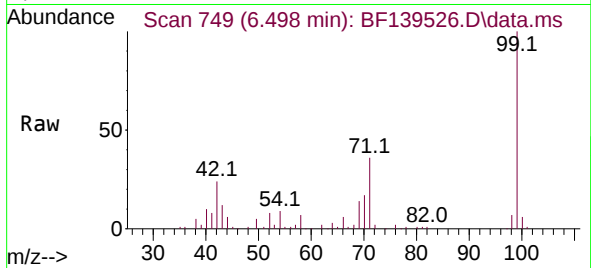
Tgt Ion:112 Resp: 54382
Ion Ratio Lower Upper
112 100
64 68.1 54.8 82.2
63 37.6 33.0 49.4





#7
Phenol-d6
Concen: 17.787 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

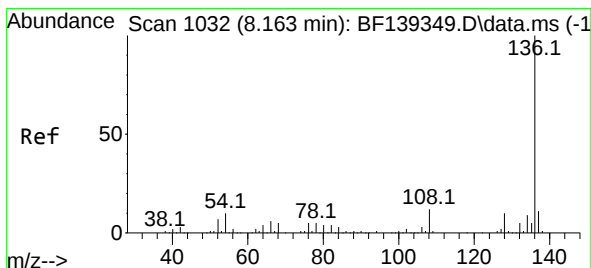
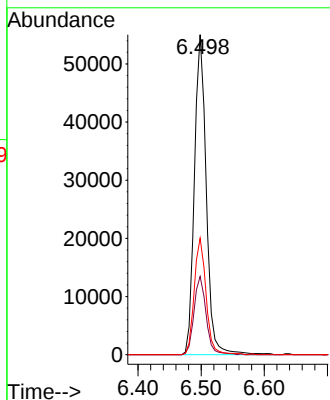
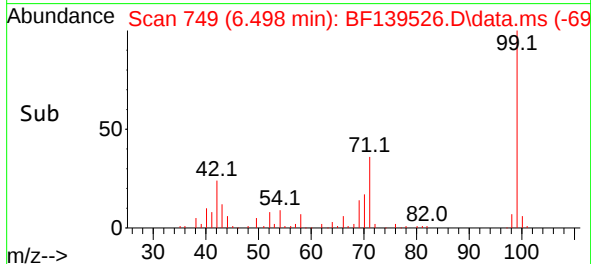
Instrument :
BNA_F
ClientSampleId :
COMP-6



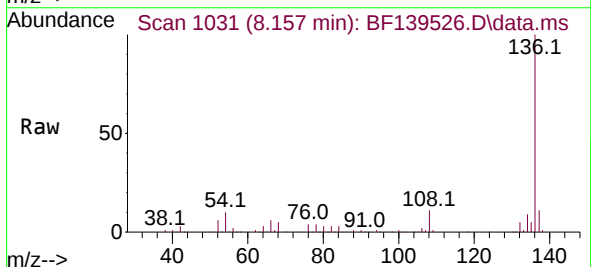
Tgt Ion: 99 Resp: 71890
Ion Ratio Lower Upper
99 100
42 24.5 21.9 32.9
71 36.4 34.6 52.0

Manual Integrations
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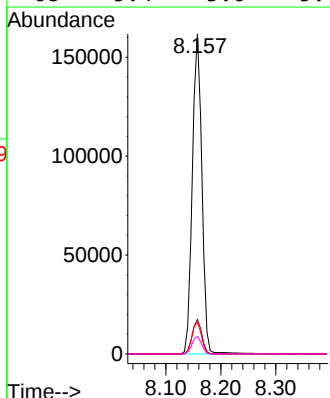
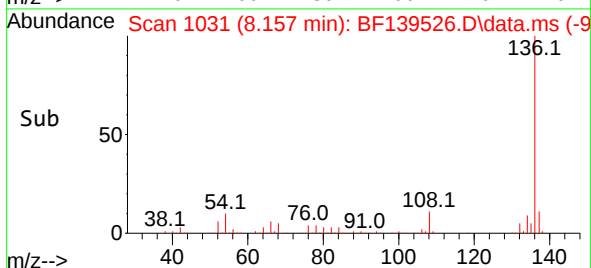
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04



Tgt Ion:136 Resp: 195568
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.9 7.8 11.8
68 5.4 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 10.811 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6

Tgt Ion: 82 Resp: 4497

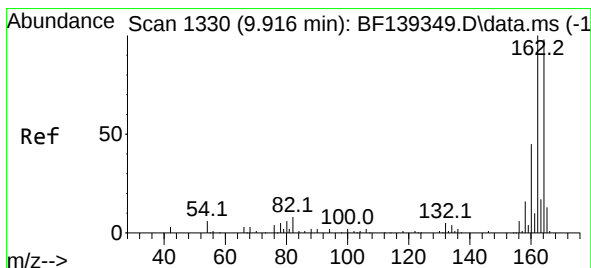
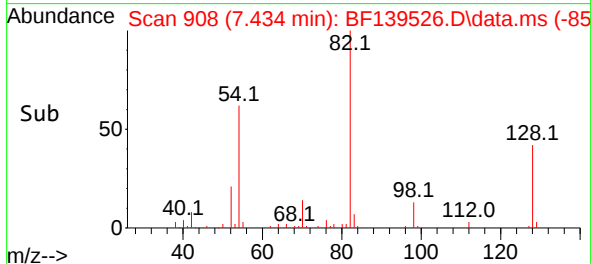
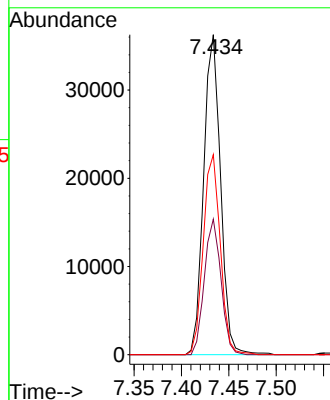
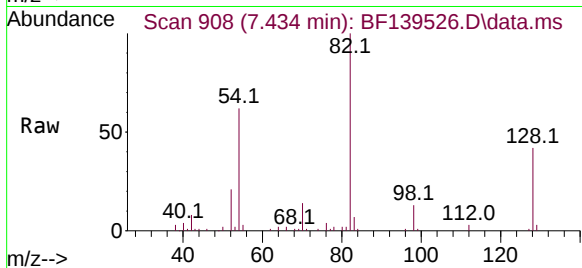
Ion	Ratio	Lower	Upper
82	100		
128	42.3	31.8	47.6
54	62.5	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

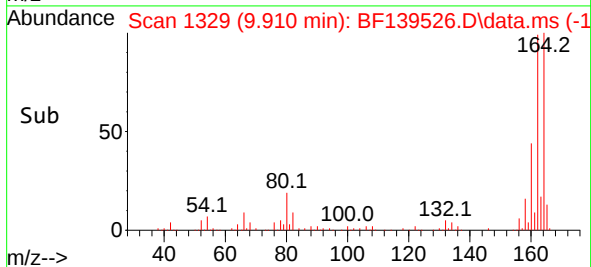
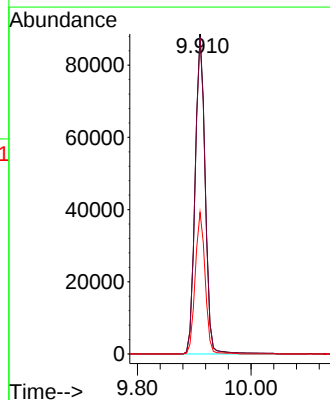
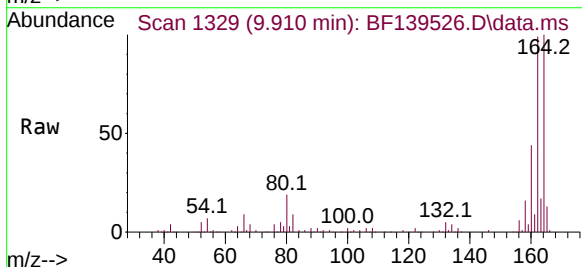
Delta R.T. -0.006 min

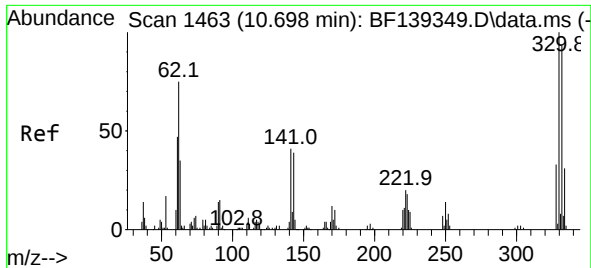
Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Tgt Ion:164 Resp: 109373

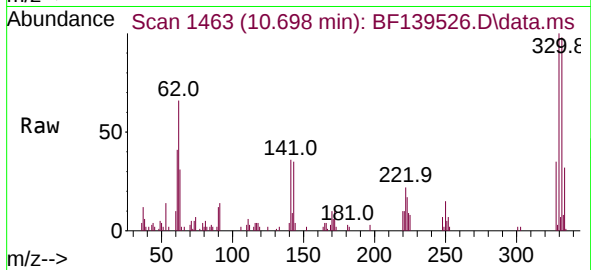
Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.3	121.9
160	44.3	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 12.117 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

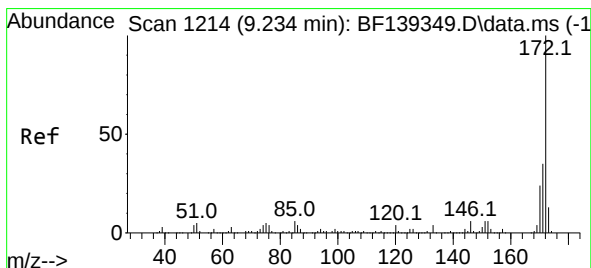
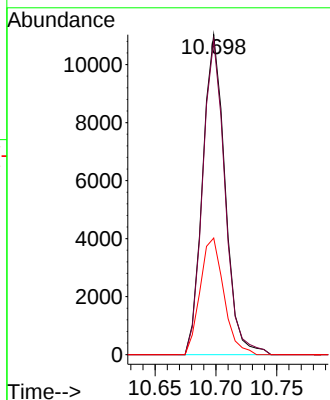
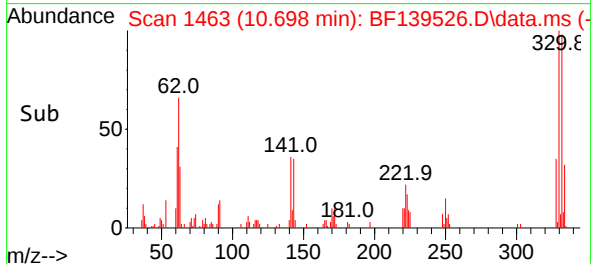
Instrument :
BNA_F
ClientSampleId :
COMP-6



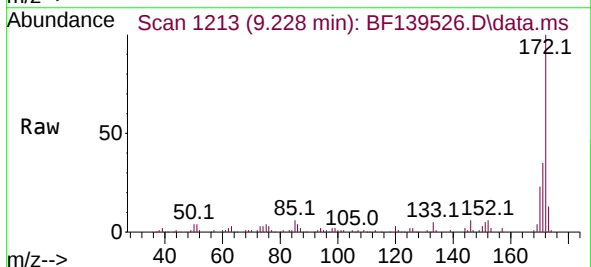
Tgt Ion:330 Resp: 14109
Ion Ratio Lower Upper
330 100
332 97.8 75.2 112.8
141 38.5 31.2 46.8

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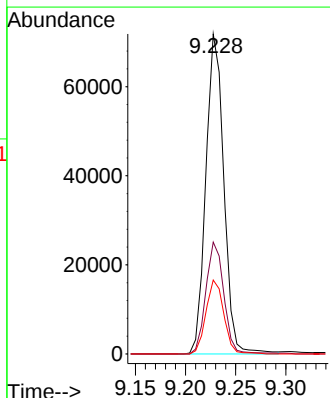
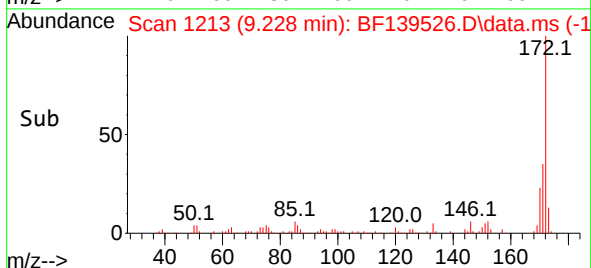
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

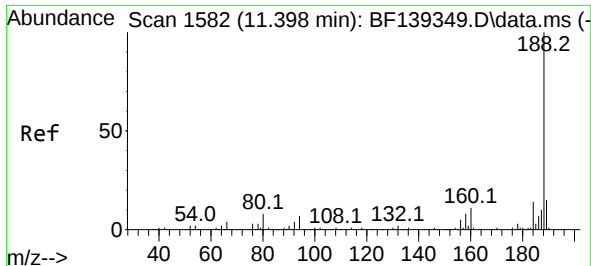


#45
2-Fluorobiphenyl
Concen: 11.514 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04



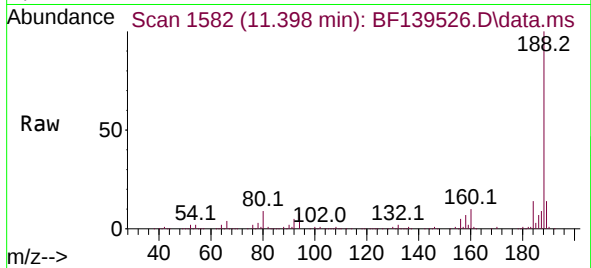
Tgt Ion:172 Resp: 89791
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

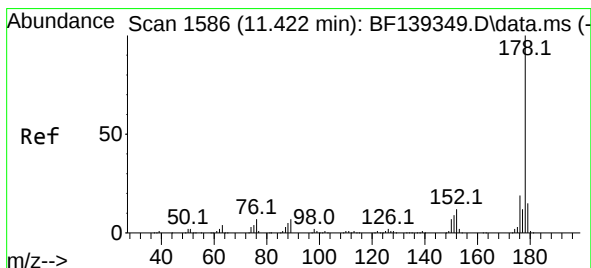
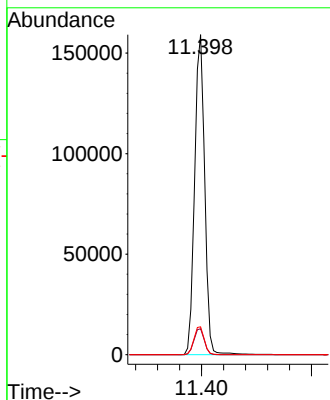
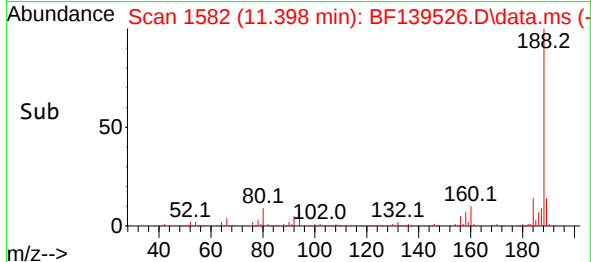
Instrument :
BNA_F
ClientSampleId :
COMP-6



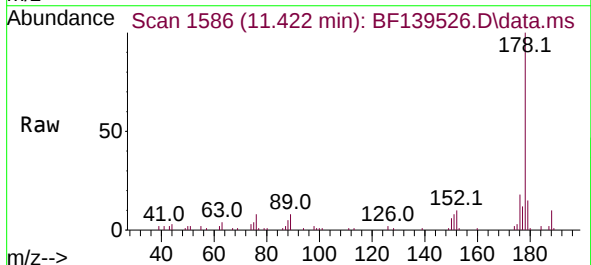
Tgt Ion:188 Resp: 20176
Ion Ratio Lower Upper
188 100
94 8.1 5.5 8.3
80 8.7 6.6 9.8

Manual Integrations
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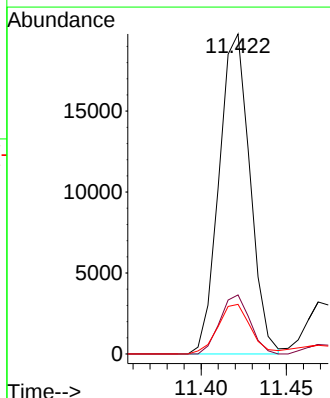
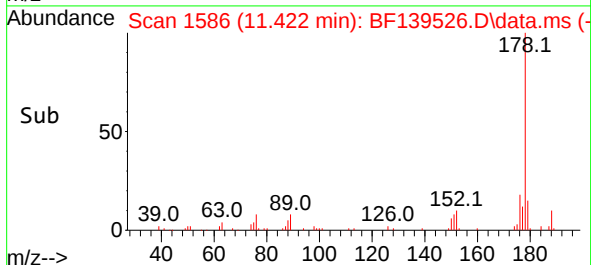
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

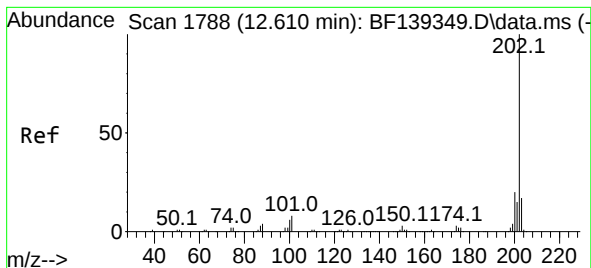


#71
Phenanthrene
Concen: 2.565 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04



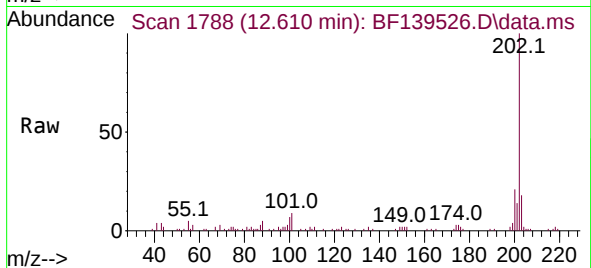
Tgt Ion:178 Resp: 24973
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 3.414 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

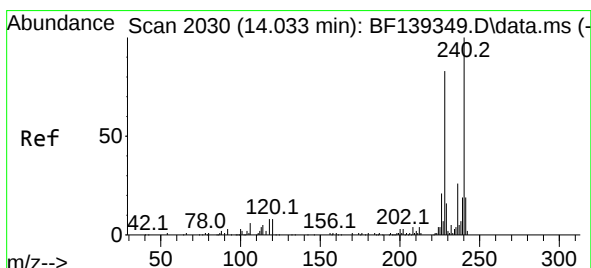
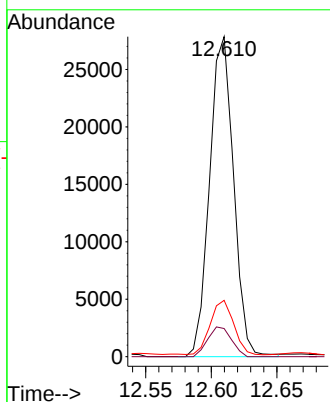
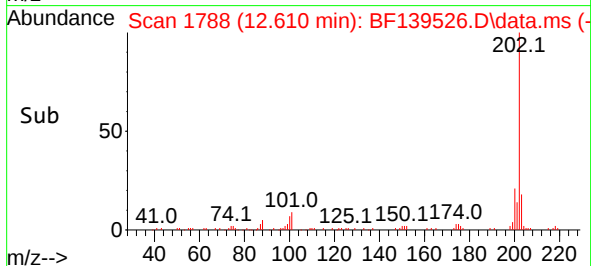
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:202 Resp: 35492
Ion Ratio Lower Upper
202 100
101 8.8 0.0 27.7
203 17.6 0.0 37.4

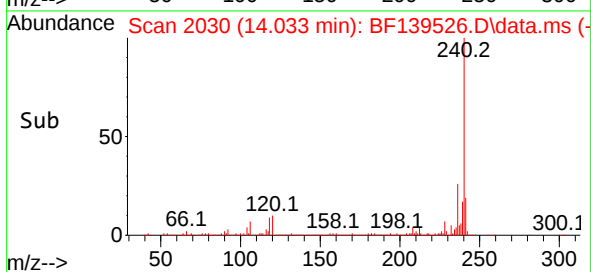
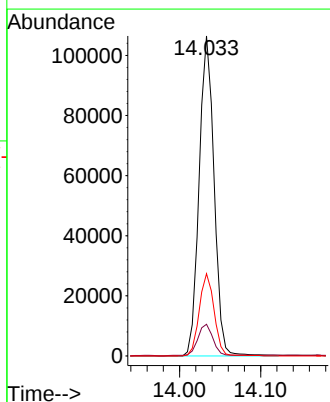
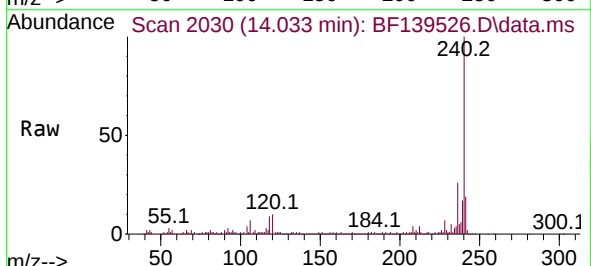
Manual Integrations
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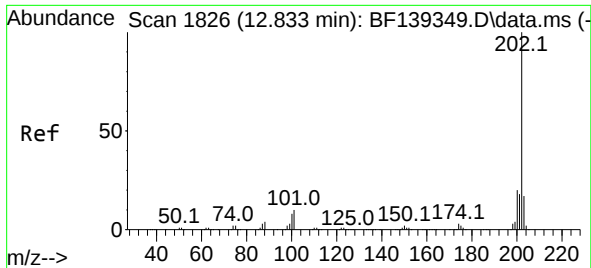
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion:240 Resp: 136326
Ion Ratio Lower Upper
240 100
120 9.9 6.2 9.2#
236 25.7 20.9 31.3





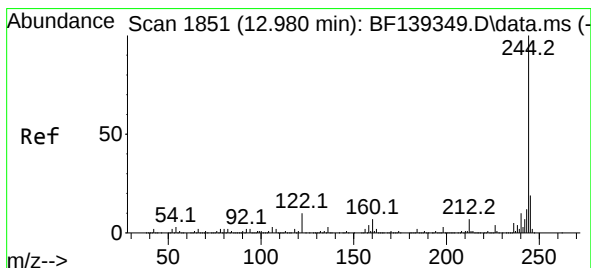
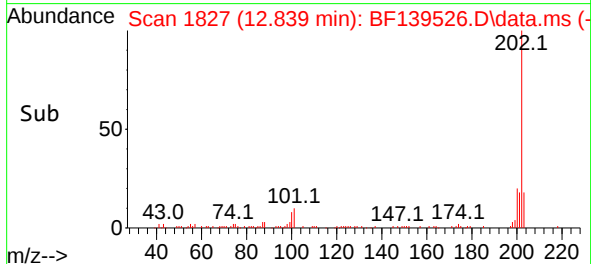
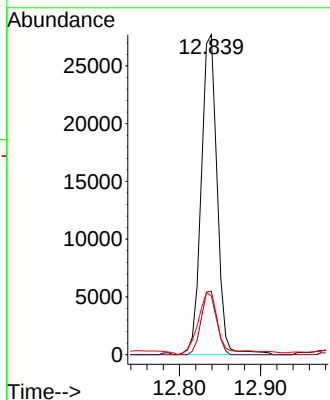
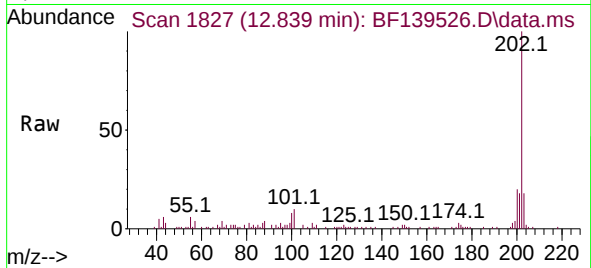
#78
Pyrene
Concen: 3.215 ng
RT: 12.839 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Instrument :
BNA_F
ClientSampleId :
COMP-6

Tgt Ion:202 Resp: 3763
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 18.3 13.9 20.9

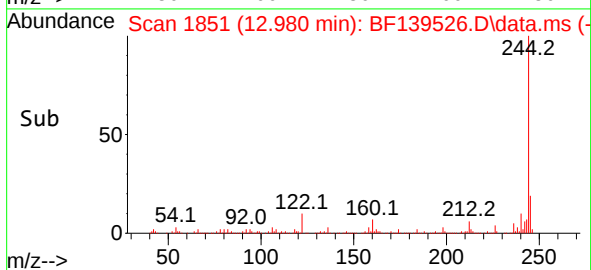
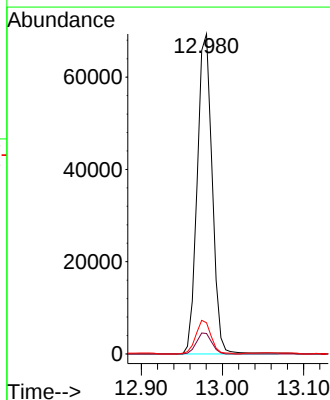
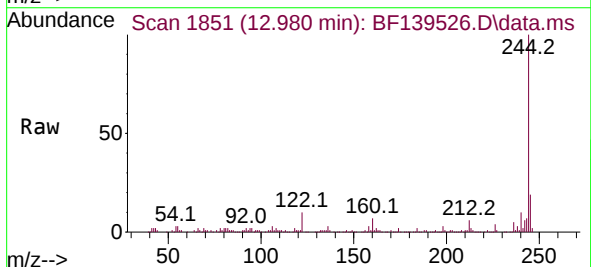
Manual Integrations
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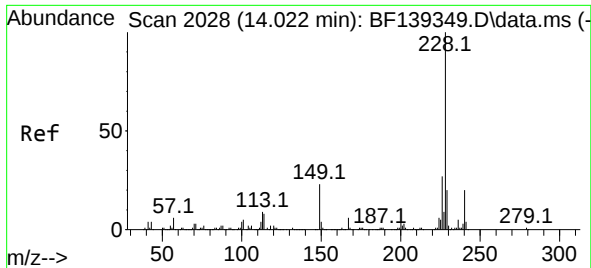
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#79
Terphenyl-d14
Concen: 10.717 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

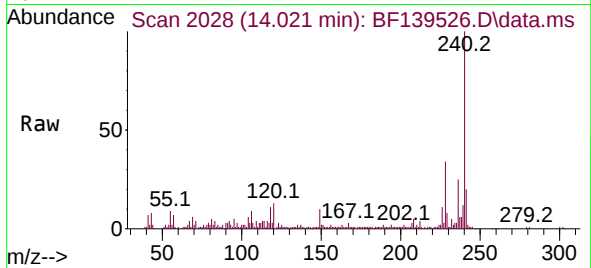
Tgt Ion:244 Resp: 89013
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 9.8 7.6 11.4





#81
Benzo(a)anthracene
Concen: 2.123 ng m
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

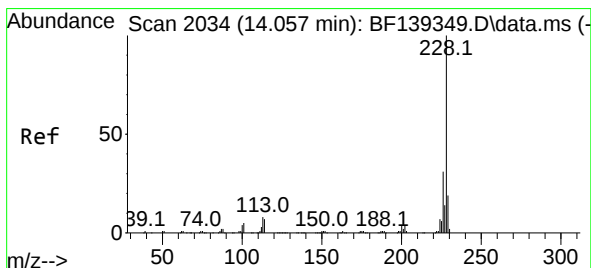
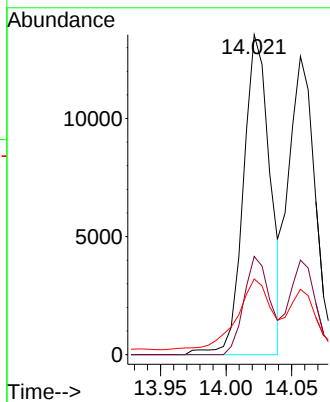
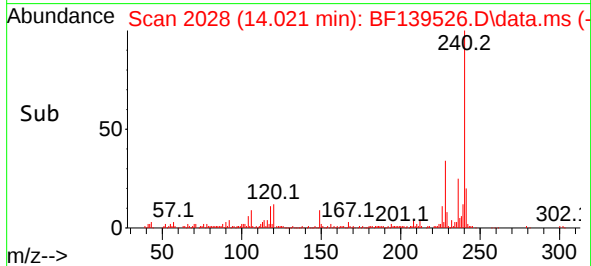
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:228 Resp: 1917
Ion Ratio Lower Upper
228 100
226 30.7 21.6 32.4
229 23.7 15.7 23.5

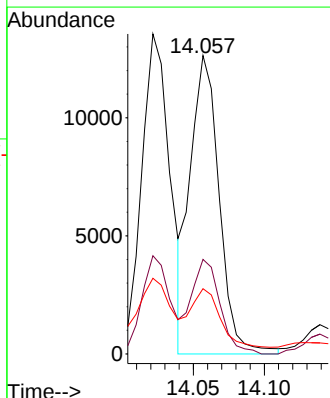
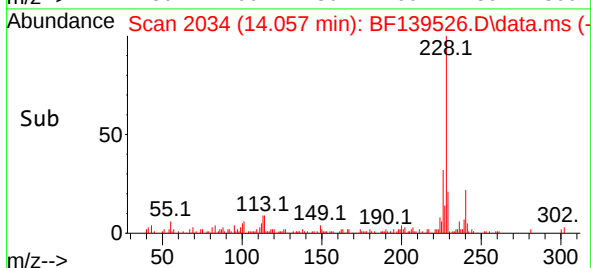
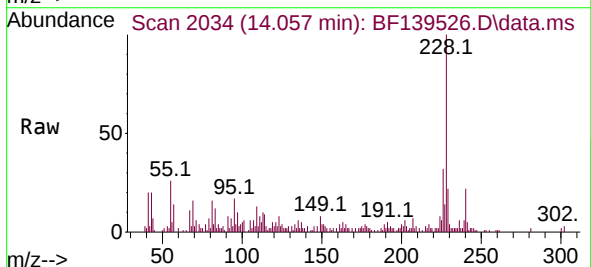
Manual Integrations
APPROVED

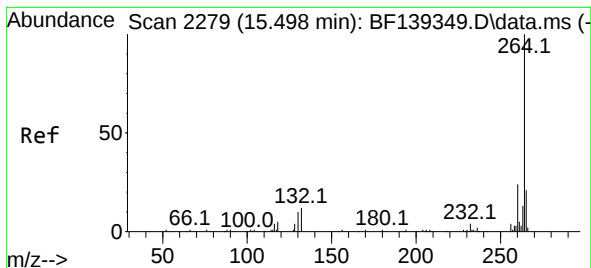
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#83
Chrysene
Concen: 2.158 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion:228 Resp: 17931
Ion Ratio Lower Upper
228 100
226 31.7 24.1 36.1
229 21.9 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6

Tgt Ion:264 Resp: 10515

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

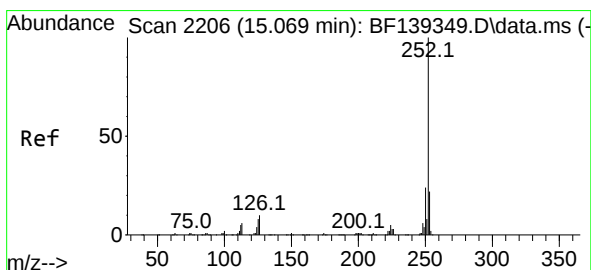
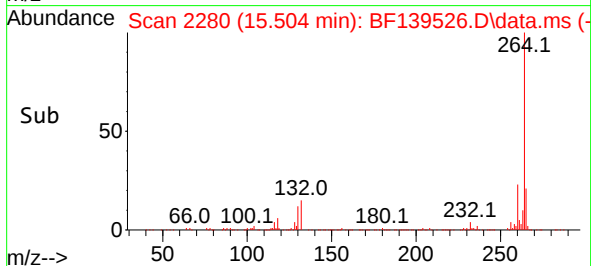
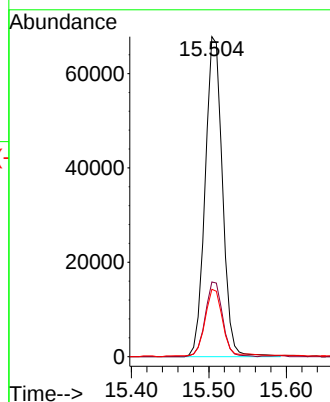
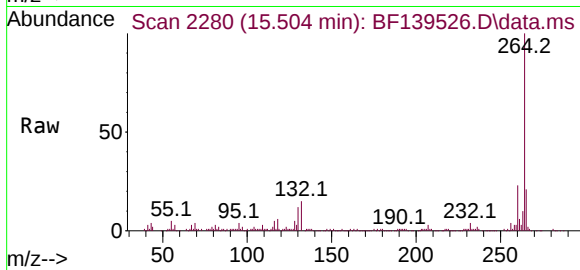
265 21.1 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#88

Benzo(b)fluoranthene

Concen: 2.828 ng m

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

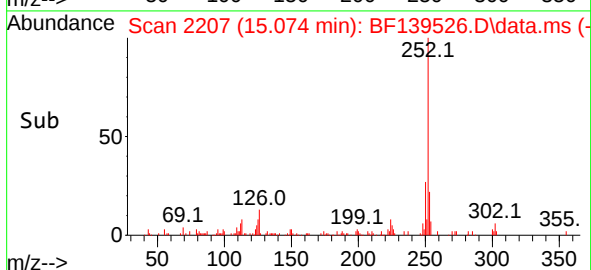
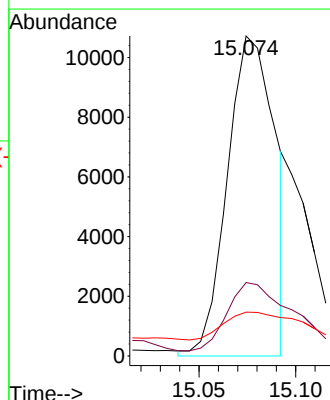
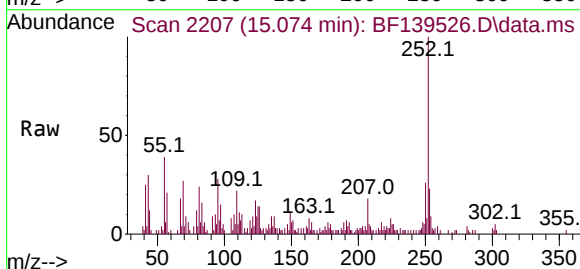
Tgt Ion:252 Resp: 18342

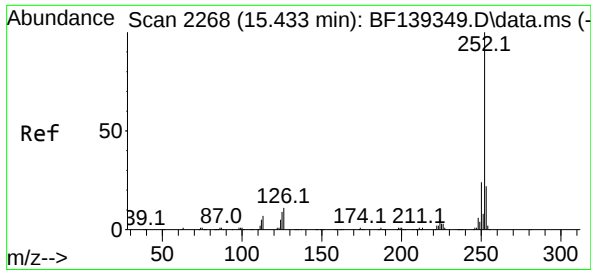
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 13.7 6.2 9.2#





#90

Benzo(a)pyrene

Concen: 2.159 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139526.D

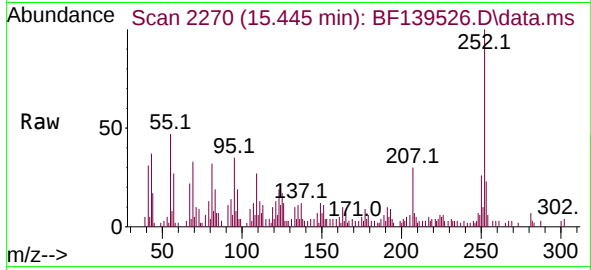
Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6



Tgt Ion:252 Resp: 11614

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 17.2 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024

