

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
 Data File : BF139527.D
 Acq On : 24 Sep 2024 18:32
 Operator : RC/JU
 Sample : P4150-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-09132024

Manual Integrations
 APPROVED

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

Quant Time: Sep 25 00:58:35 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	49026	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	184573	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	105643	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	185557	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	129806	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	88314	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	41112	13.680	ng	-0.01
7) Phenol-d6	6.498	99	55053	13.957	ng	0.00
23) Nitrobenzene-d5	7.434	82	33913	8.638	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	9927	8.826	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	71246	9.459	ng	0.00
79) Terphenyl-d14	12.974	244	73453	9.288	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	37627	4.203	ng	99
75) Fluoranthene	12.610	202	101935	10.662	ng	99
78) Pyrene	12.839	202	91609	8.219	ng	99
81) Benzo(a)anthracene	14.021	228	53215m	6.189	ng	
83) Chrysene	14.057	228	51482	6.508	ng	96
87) Indeno(1,2,3-cd)pyrene	16.974	276	18770	3.574	ng	97
88) Benzo(b)fluoranthene	15.074	252	55316m	10.156	ng	
89) Benzo(k)fluoranthene	15.092	252	20441m	4.070	ng	
90) Benzo(a)pyrene	15.445	252	33818	7.487	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	19065	4.437	ng	92

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

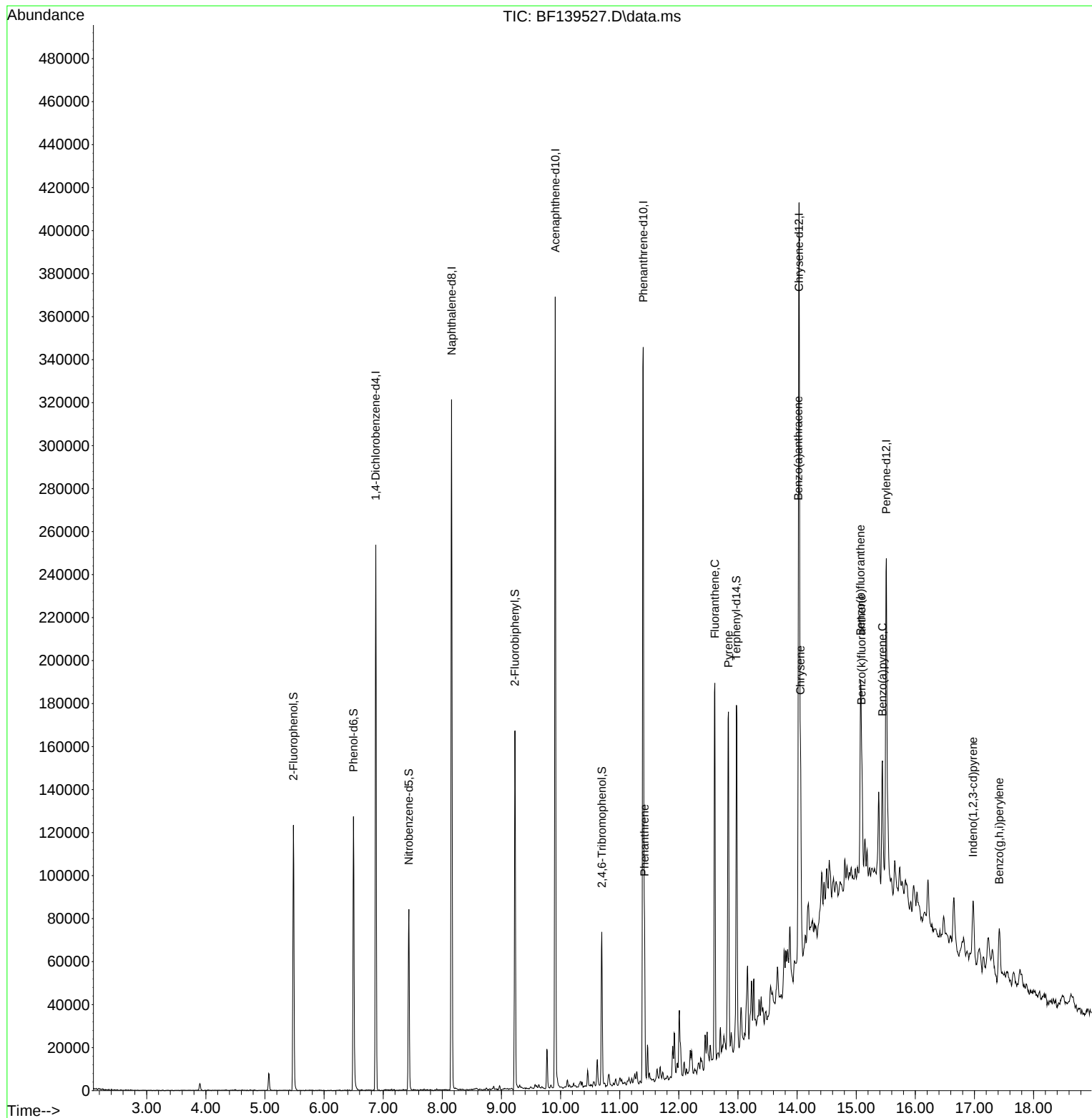
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
Data File : BF139527.D
Acq On : 24 Sep 2024 18:32
Operator : RC/JU
Sample : P4150-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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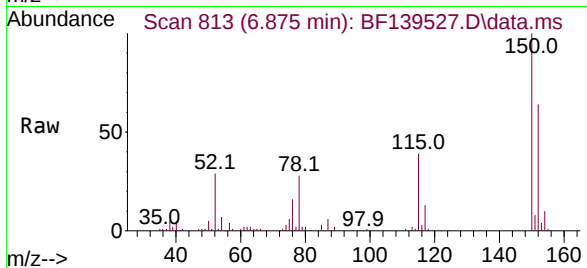
Quant Time: Sep 25 00:58:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

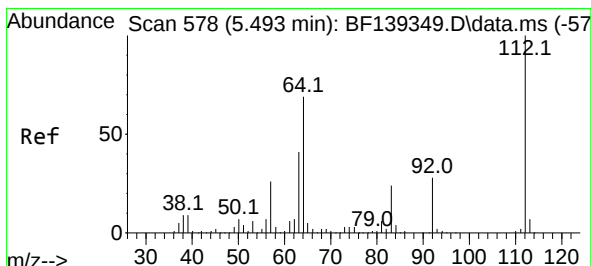
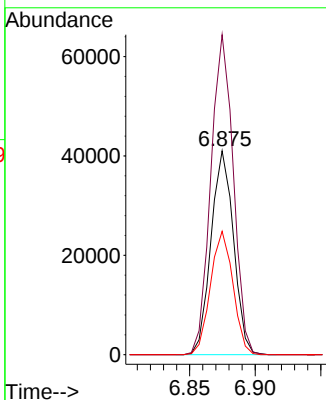
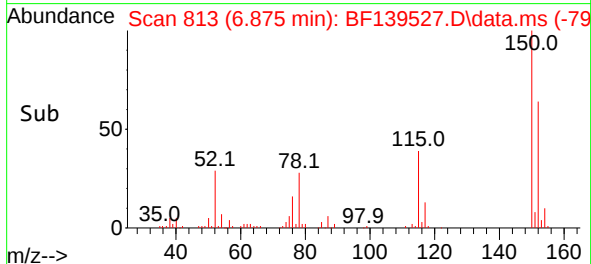
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024



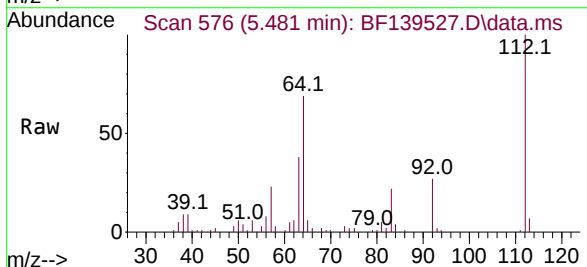
Tgt Ion:152 Resp: 49020
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 60.6 48.1 72.1

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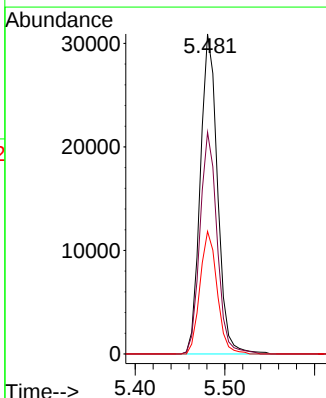
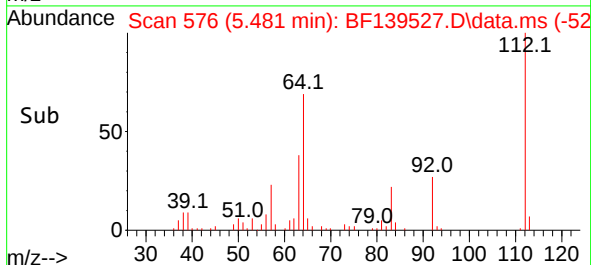
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#5
2-Fluorophenol
Concen: 13.680 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32



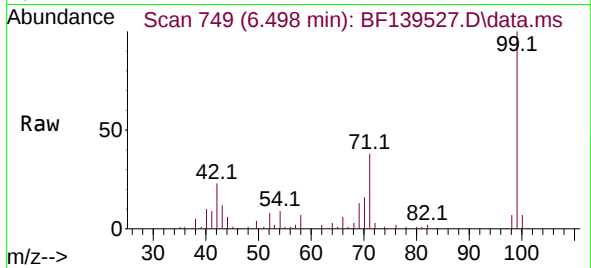
Tgt Ion:112 Resp: 41112
Ion Ratio Lower Upper
112 100
64 69.3 54.8 82.2
63 38.3 33.0 49.4





#7
Phenol-d6
Concen: 13.957 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

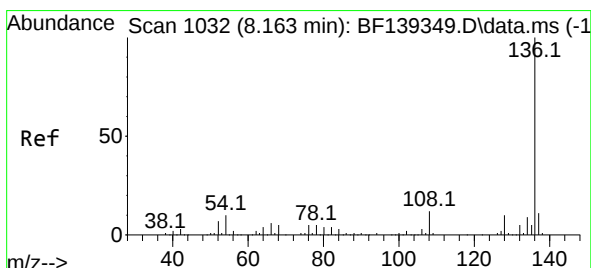
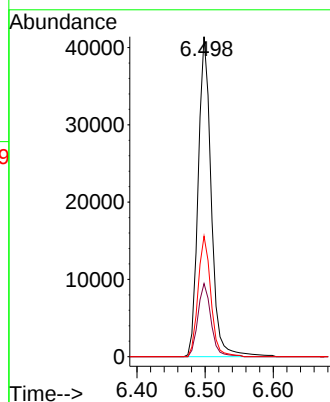
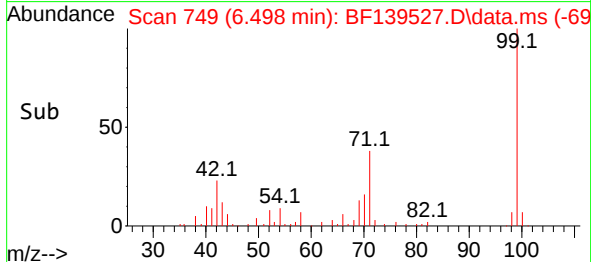
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024



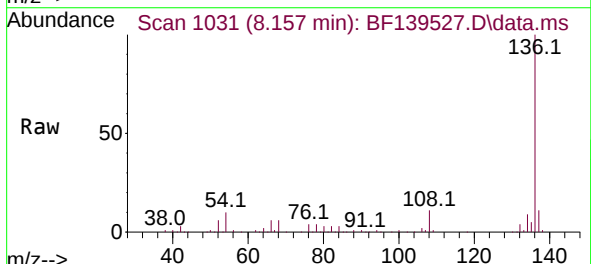
Tgt Ion: 99 Resp: 5505
Ion Ratio Lower Upper
99 100
42 22.9 21.9 32.9
71 37.7 34.6 52.0

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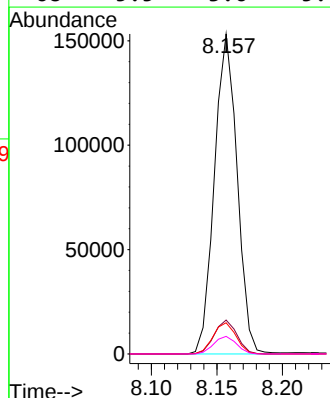
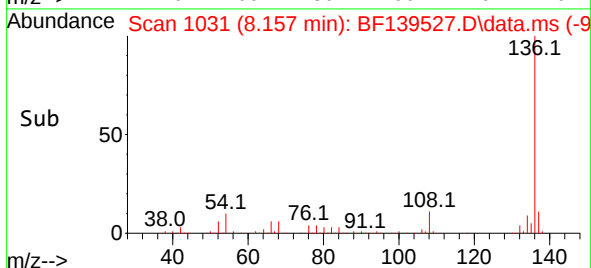
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32



Tgt Ion:136 Resp: 184573
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.8 7.8 11.8
68 5.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 8.638 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

Tgt Ion: 82 Resp: 3391

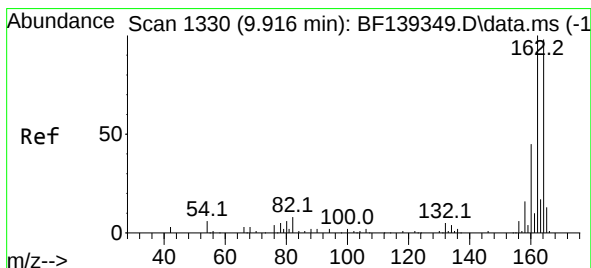
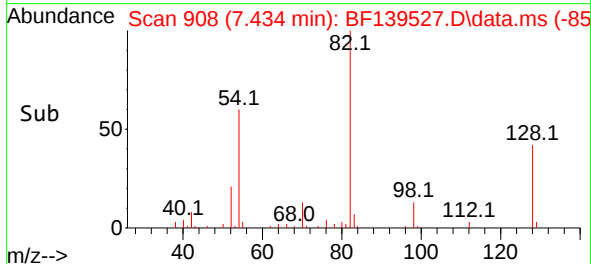
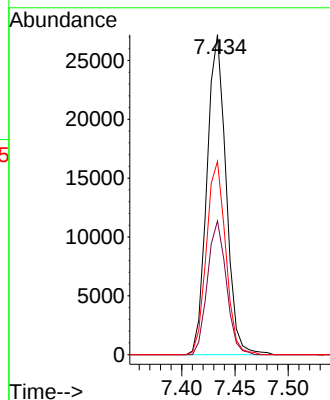
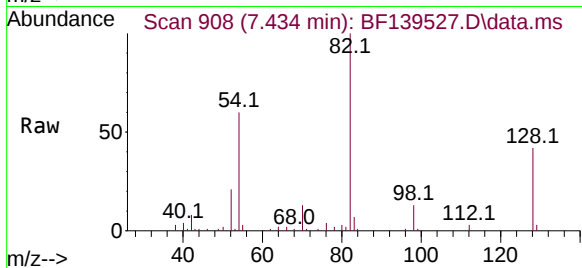
Ion	Ratio	Lower	Upper
82	100		
128	41.8	31.8	47.6
54	60.4	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

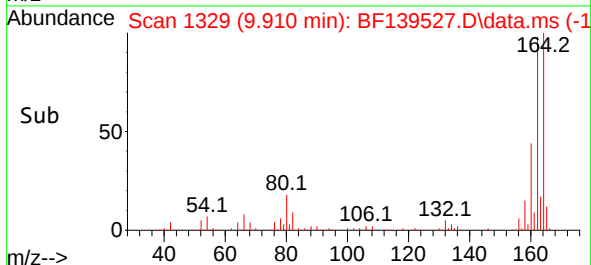
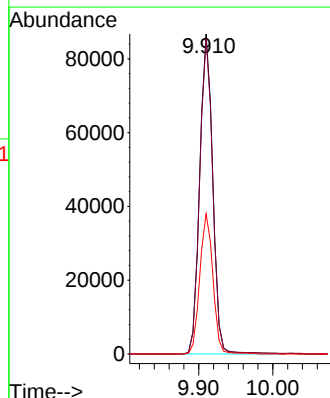
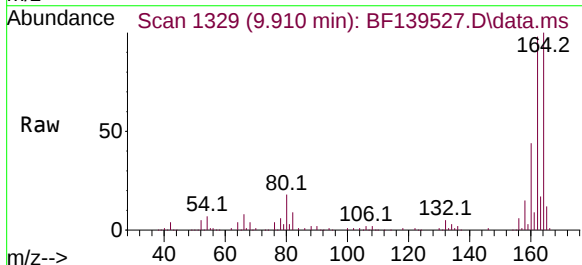
Delta R.T. -0.006 min

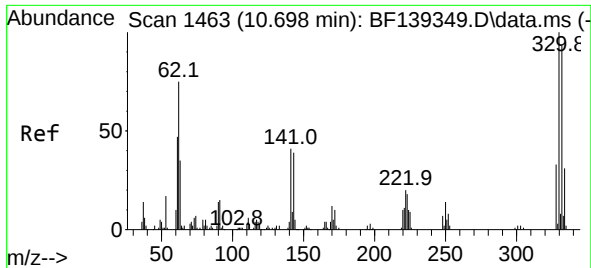
Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Tgt Ion:164 Resp: 105643

Ion	Ratio	Lower	Upper
164	100		
162	98.5	81.3	121.9
160	43.8	36.4	54.6





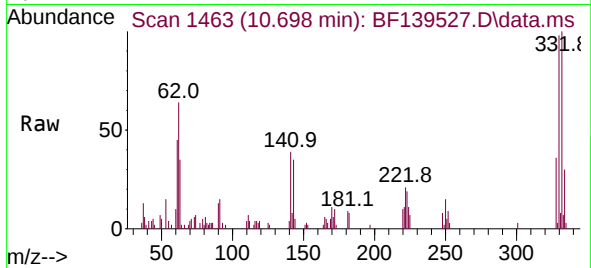
#42
2,4,6-Tribromophenol
Concen: 8.826 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024



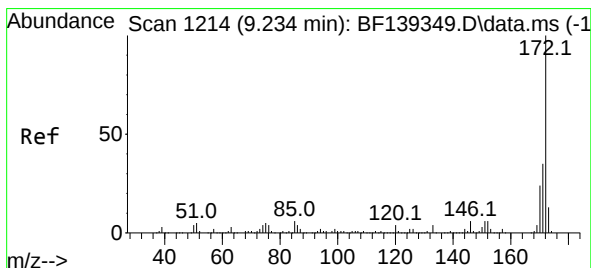
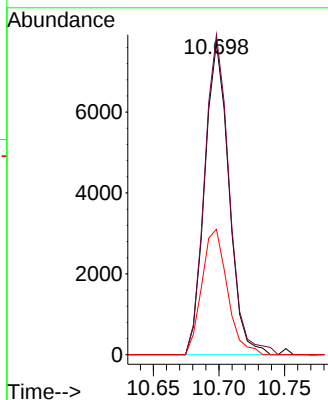
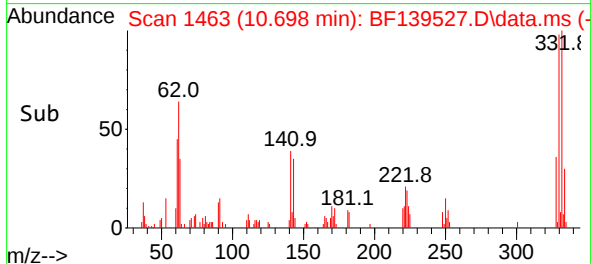
Tgt Ion: 330 Resp: 992
Ion Ratio Lower Upper
330 100
332 104.1 75.2 112.8
141 42.2 31.2 46.8

Manual Integrations

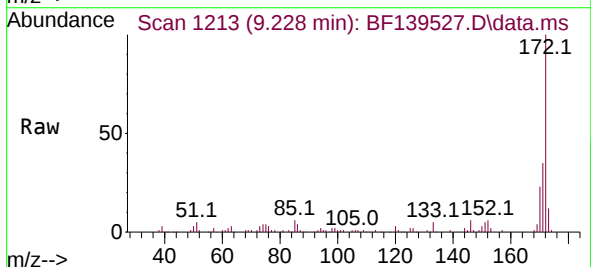
APPROVED

Reviewed By : Yogesh Patel 09/25/2024

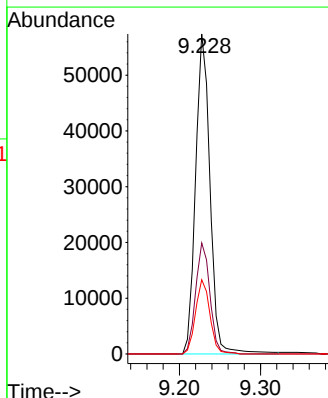
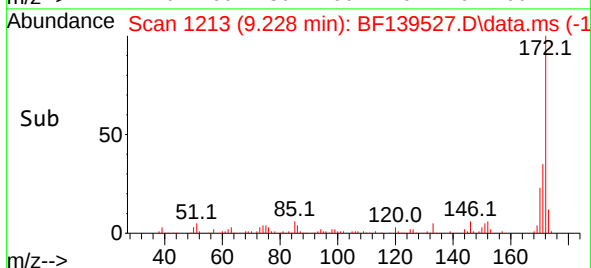
Supervised By : mohammad ahmed 09/25/2024



#45
2-Fluorobiphenyl
Concen: 9.459 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32



Tgt Ion: 172 Resp: 71246
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.2 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: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

Tgt Ion:188 Resp: 18555

Ion Ratio Lower Upper

188 100

94 8.3 5.5 8.3

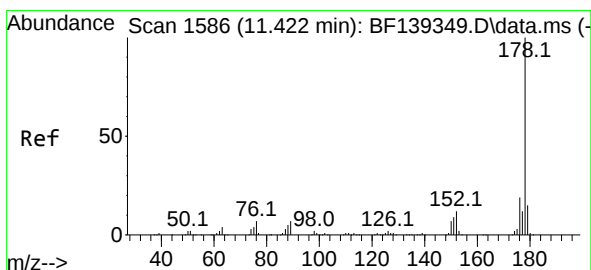
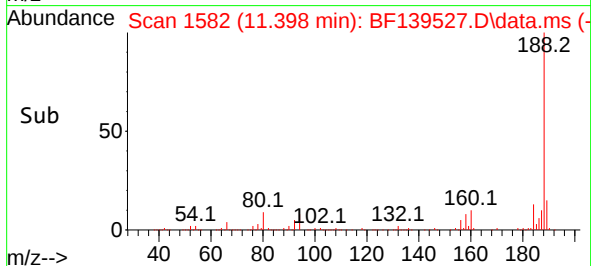
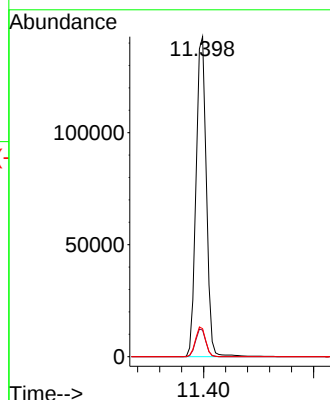
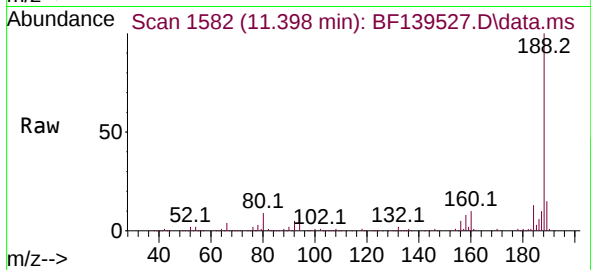
80 8.8 6.6 9.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#71

Phenanthrene

Concen: 4.203 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

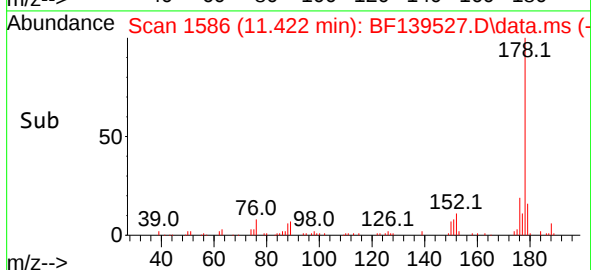
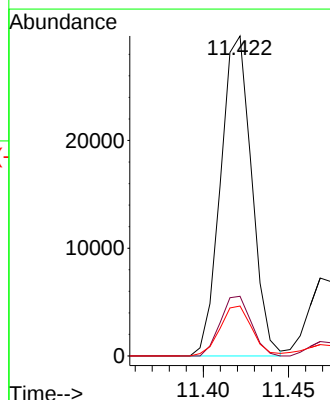
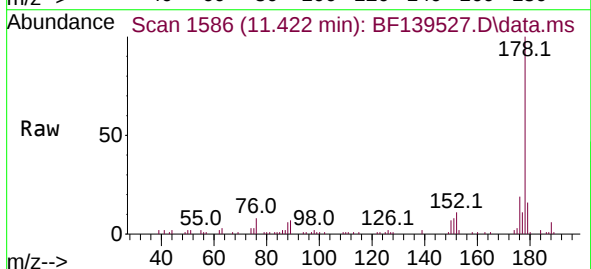
Tgt Ion:178 Resp: 37627

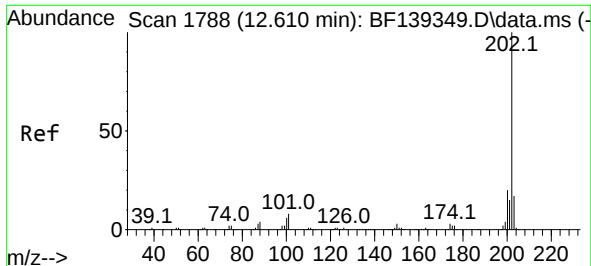
Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

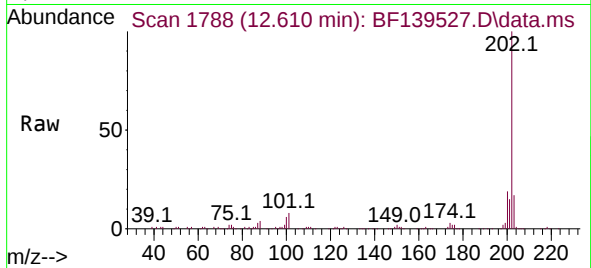
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 10.662 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

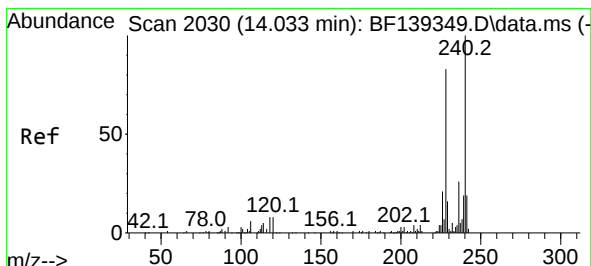
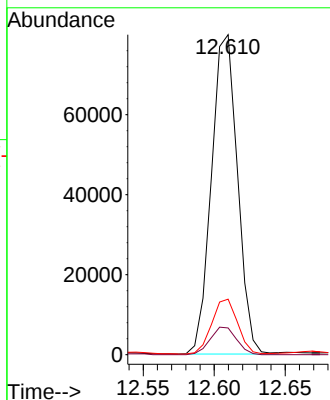
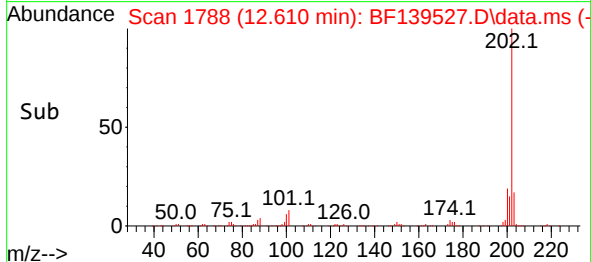
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024



Tgt Ion:202 Resp: 101935
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.7
203 17.3 0.0 37.4

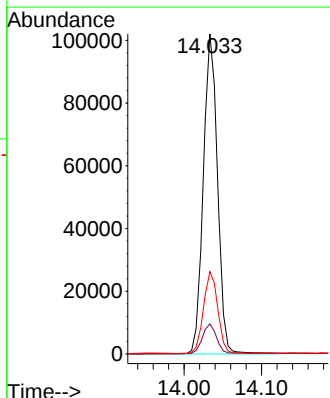
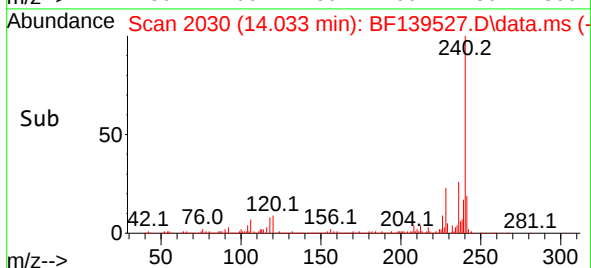
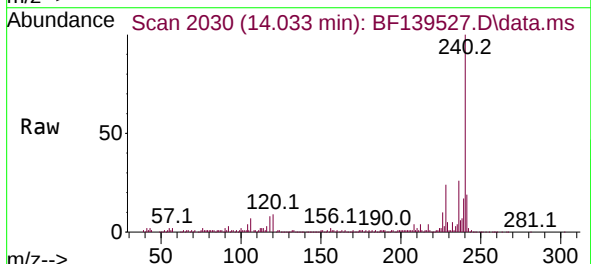
Manual Integrations
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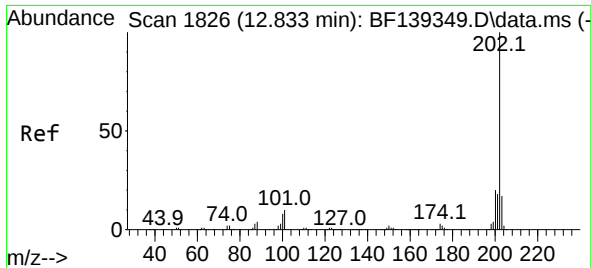
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

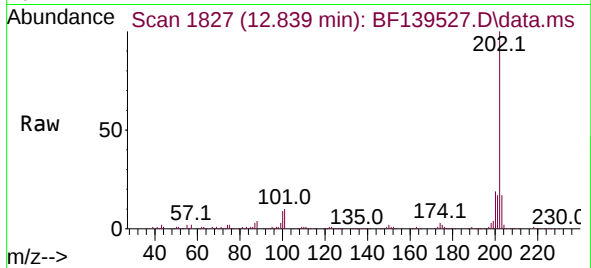
Tgt Ion:240 Resp: 129806
Ion Ratio Lower Upper
240 100
120 9.4 6.2 9.2#
236 25.8 20.9 31.3





#78
Pyrene
Concen: 8.219 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

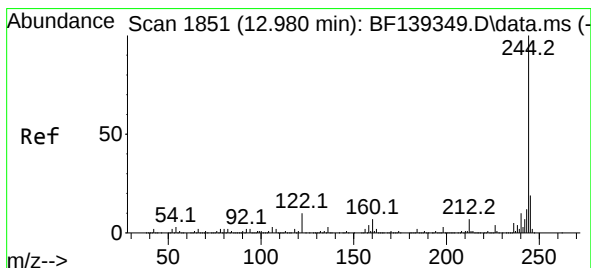
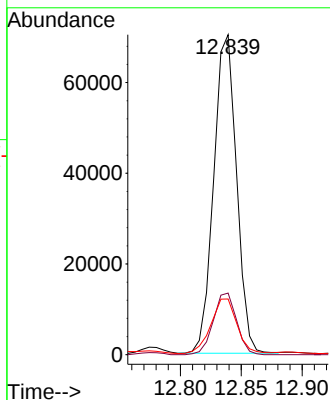
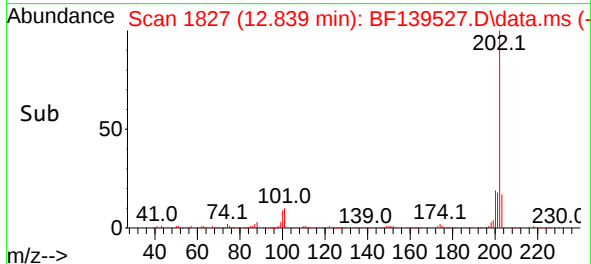
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024



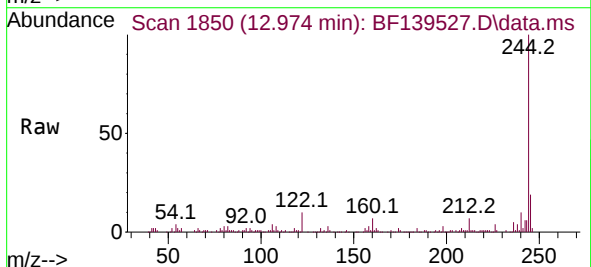
Tgt Ion:202 Resp: 91609
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.4 13.9 20.9

Manual Integrations
APPROVED

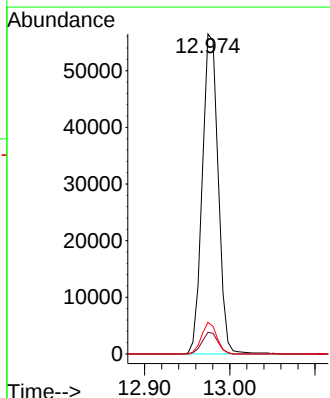
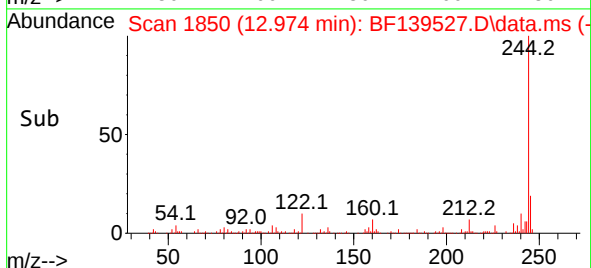
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

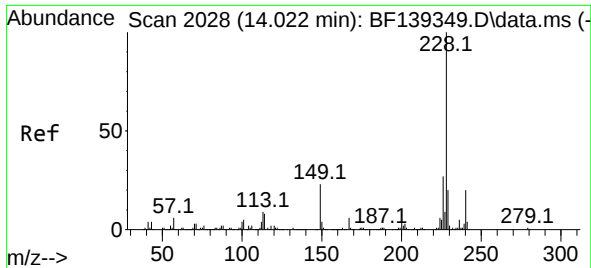


#79
Terphenyl-d14
Concen: 9.288 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32



Tgt Ion:244 Resp: 73453
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.8 7.6 11.4





#81
Benzo(a)anthracene
Concen: 6.189 ng m
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

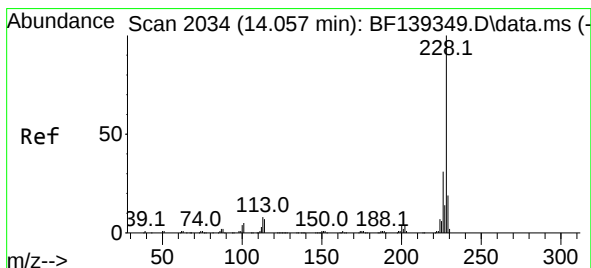
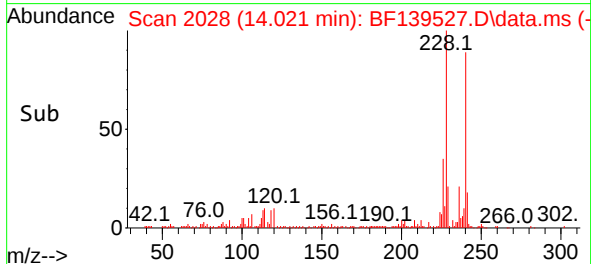
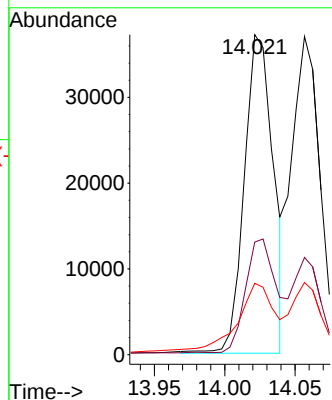
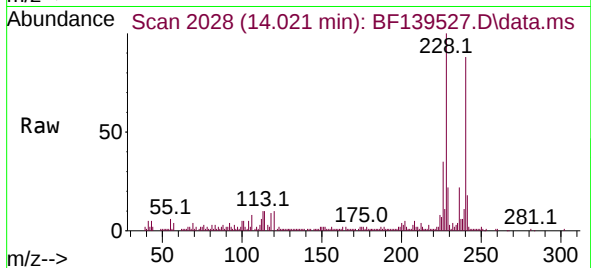
ClientSampleId :

OK-02-09132024

Tgt Ion:228 Resp: 53215
Ion Ratio Lower Upper
228 100
226 35.2 21.6 32.4
229 22.3 15.7 23.5

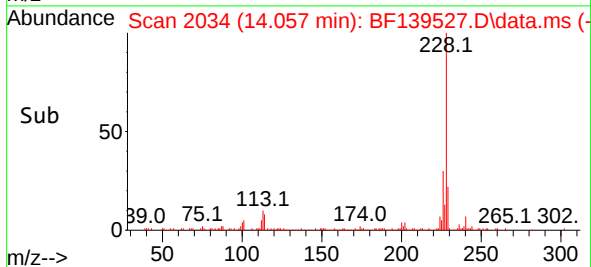
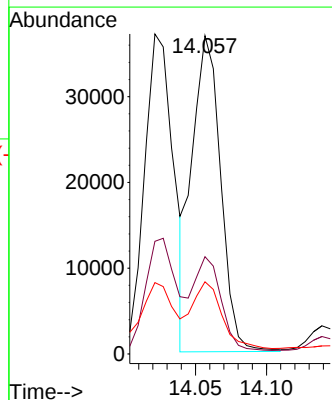
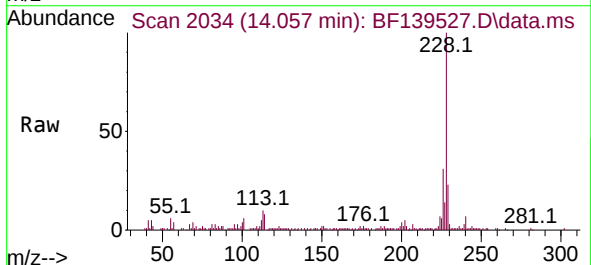
Manual Integrations
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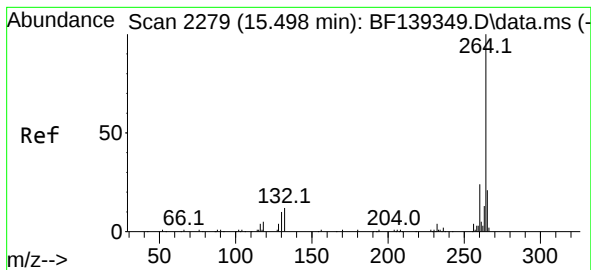
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#83
Chrysene
Concen: 6.508 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

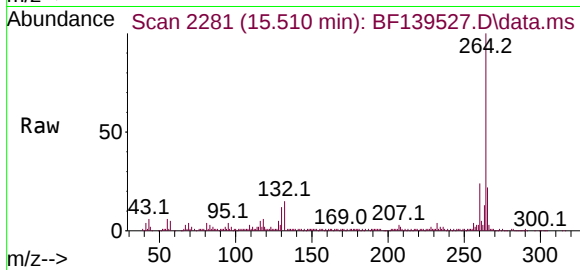
Tgt Ion:228 Resp: 51482
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 22.7 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

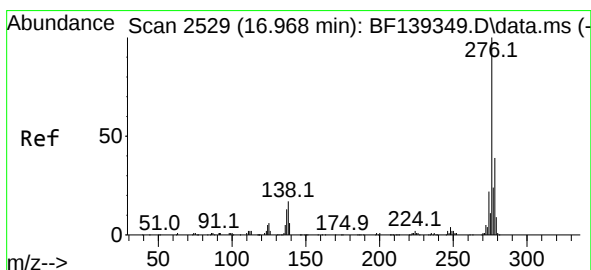
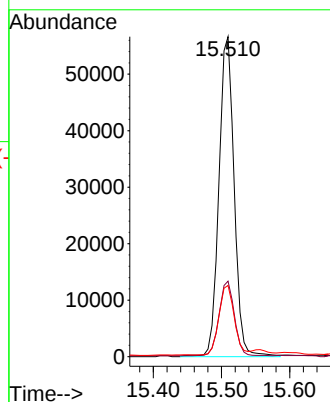
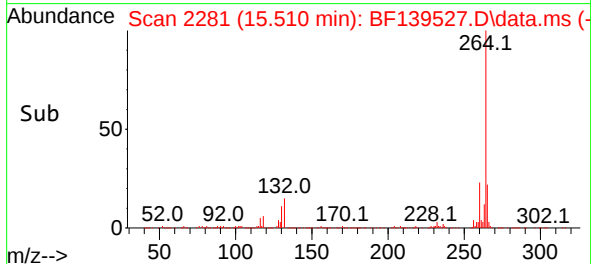
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024



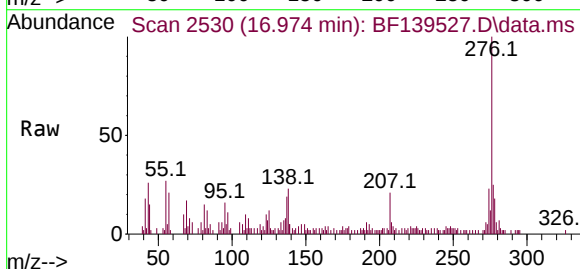
Tgt Ion:264 Resp: 88314
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.3 16.6 25.0

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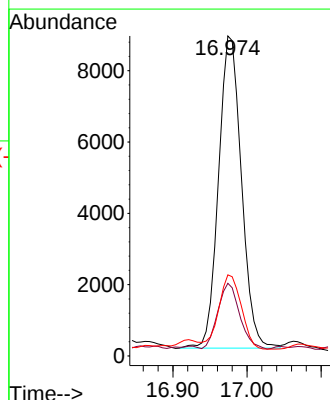
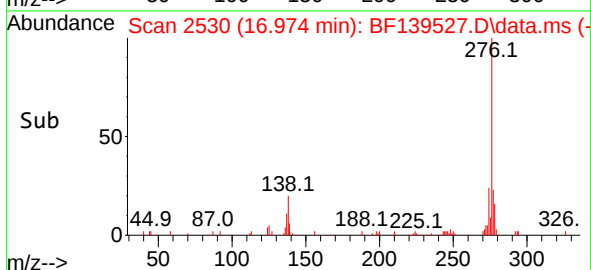
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

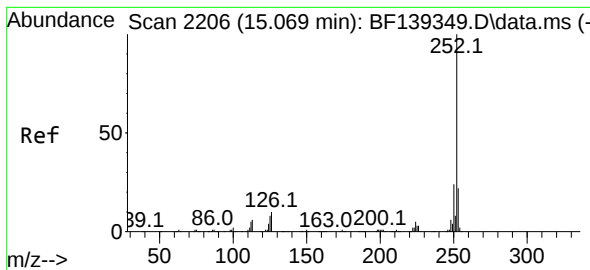


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.574 ng
RT: 16.974 min Scan# 2530
Delta R.T. 0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32



Tgt Ion:276 Resp: 18770
Ion Ratio Lower Upper
276 100
138 20.1 15.4 23.2
277 23.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 10.156 ng m

RT: 15.074 min Scan# 2110

Delta R.T. 0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

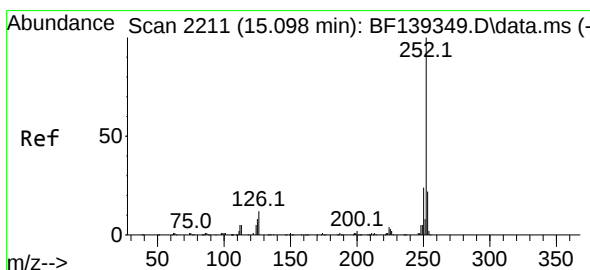
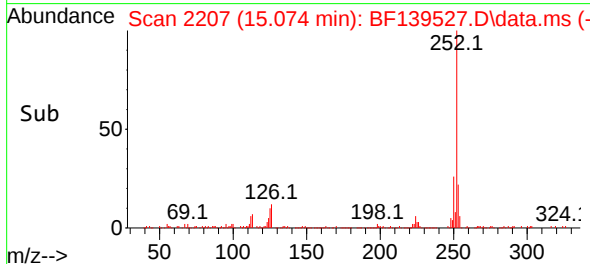
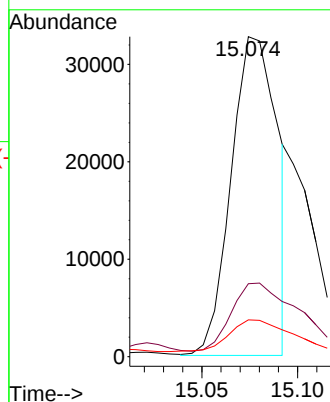
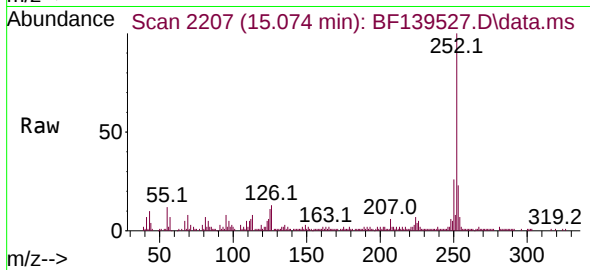
Tgt Ion:252 Resp: 55310
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 11.5 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#89

Benzo(k)fluoranthene

Concen: 4.070 ng m

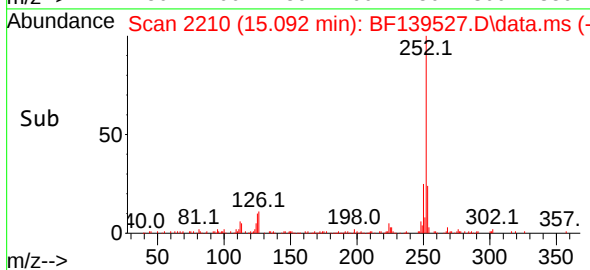
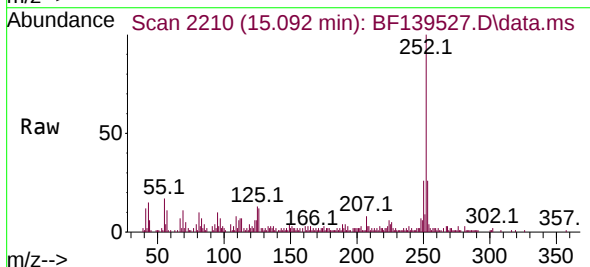
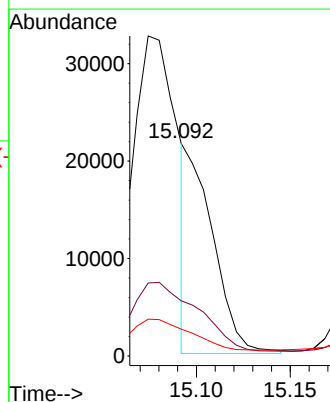
RT: 15.092 min Scan# 2210

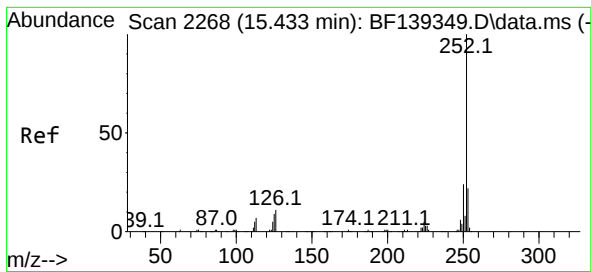
Delta R.T. -0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Tgt Ion:252 Resp: 20441
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.3 25.9#
 125 12.6 5.9 8.9#





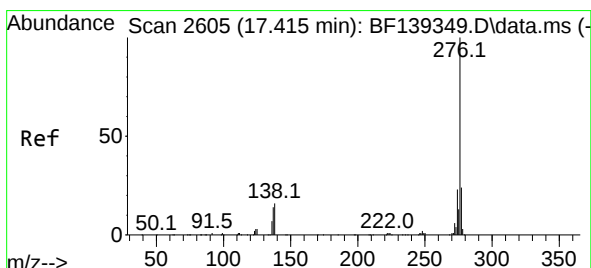
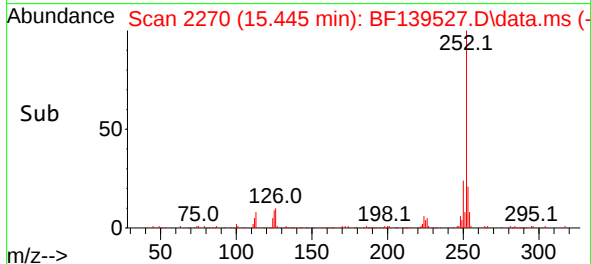
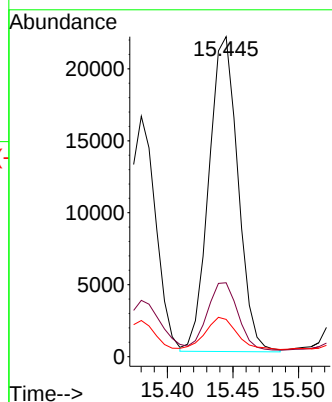
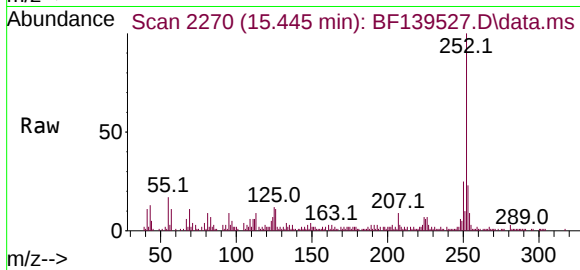
#90
Benzo(a)pyrene
Concen: 7.487 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Instrument :
BNA_F
ClientSampleId :
OK-02-09132024

Tgt Ion:252 Resp: 33818
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.7 6.8 10.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.437 ng
RT: 17.421 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Tgt Ion:276 Resp: 19065
Ion Ratio Lower Upper
276 100
277 27.8 18.9 28.3
138 19.2 13.0 19.6

