

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
 Data File : BF139666.D
 Acq On : 04 Oct 2024 19:19
 Operator : RC/JU
 Sample : P4273-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-100224

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2024
 Supervised By :mohammad ahmed 10/07/2024

Quant Time: Oct 04 22:54:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	90029	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	303514	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	140372	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	239377	20.000	ng	0.00
76) Chrysene-d12	14.022	240	181695	20.000	ng	-0.01
86) Perylene-d12	15.492	264	141617	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	215690	41.525	ng	0.00
7) Phenol-d6	6.493	99	272127	38.958	ng	-0.01
23) Nitrobenzene-d5	7.422	82	170498	28.441	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	48337	35.671	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	288791	31.584	ng	-0.01
79) Terphenyl-d14	12.969	244	279924	25.279	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	31005	2.747	ng	100
75) Fluoranthene	12.598	202	61076	4.950	ng	97
78) Pyrene	12.827	202	59718	3.675	ng	99
81) Benzo(a)anthracene	14.016	228	35042	2.933	ng	# 90
83) Chrysene	14.045	228	27489	2.517	ng	# 91
88) Benzo(b)fluoranthene	15.063	252	30482m	3.329	ng	
90) Benzo(a)pyrene	15.427	252	19985	2.768	ng	# 82

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

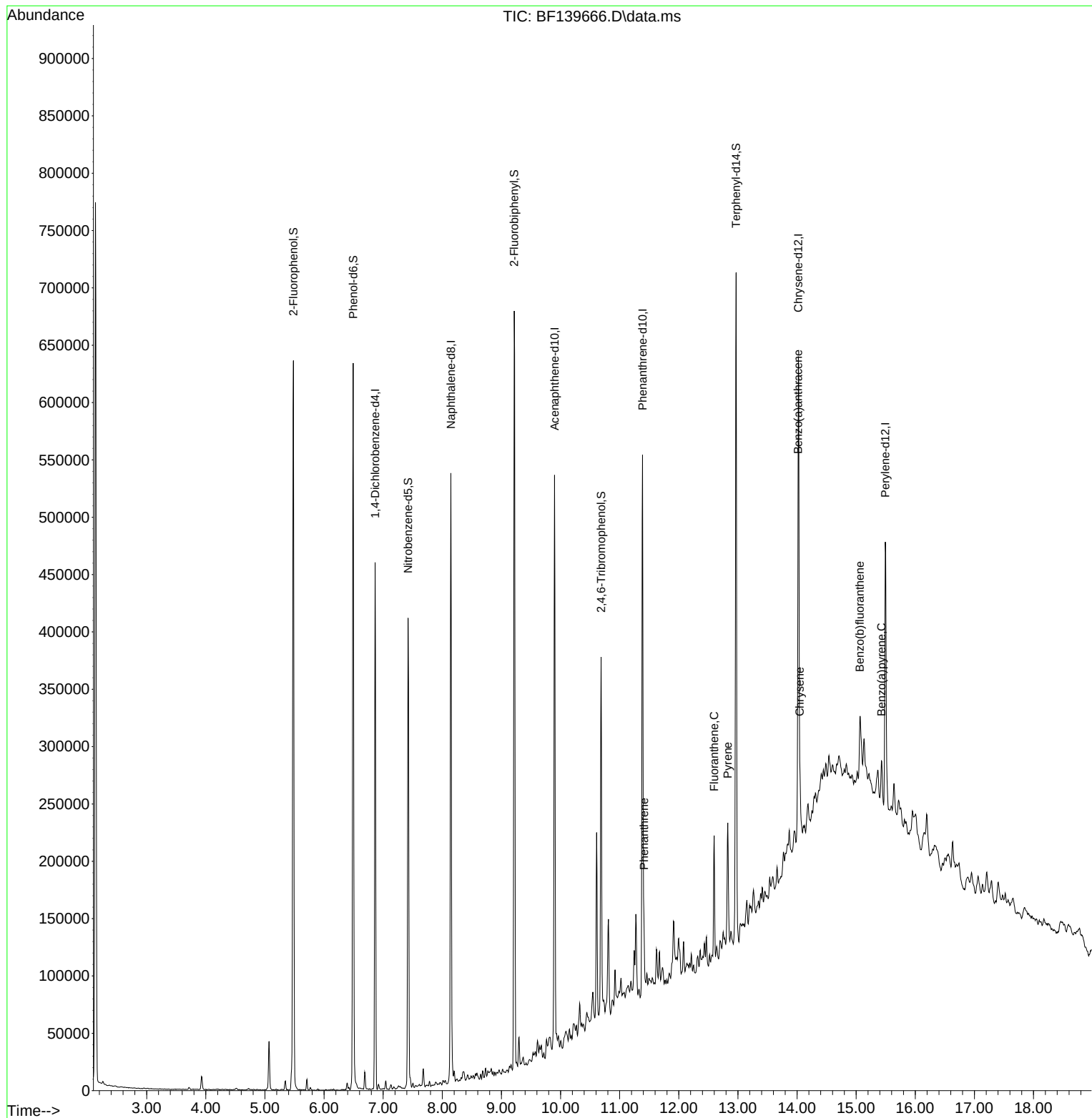
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139666.D
Acq On : 04 Oct 2024 19:19
Operator : RC/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

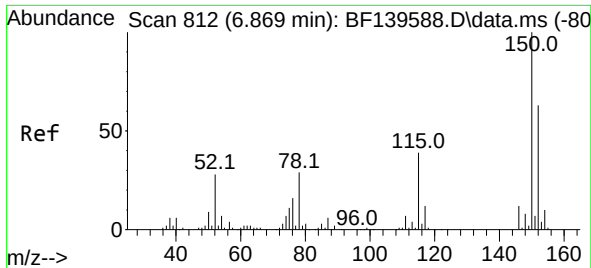
Instrument :
BNA_F
ClientSampleId :
AU-05-100224

Quant Time: Oct 04 22:54:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

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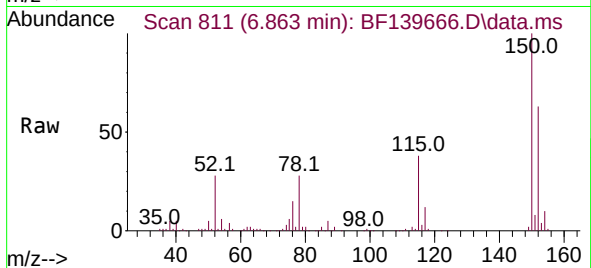
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

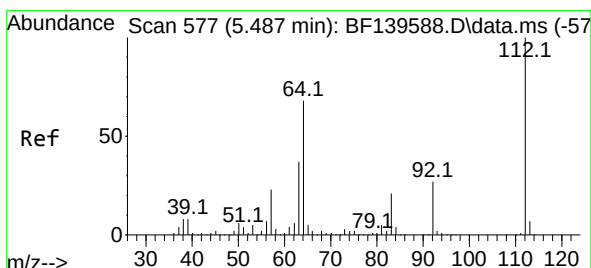
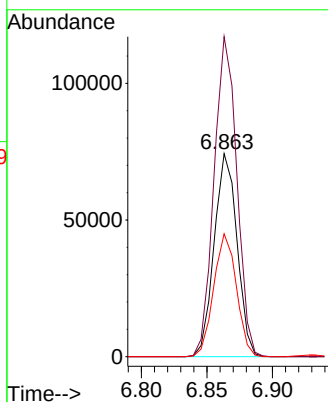
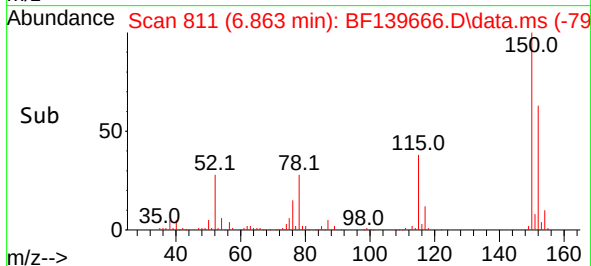


Tgt Ion:152 Resp: 90029
Ion Ratio Lower Upper
152 100
150 157.6 127.2 190.8
115 60.5 49.0 73.4

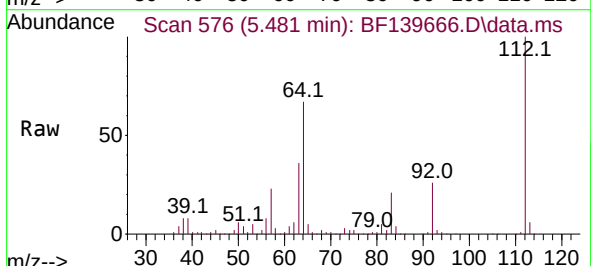
Manual Integrations

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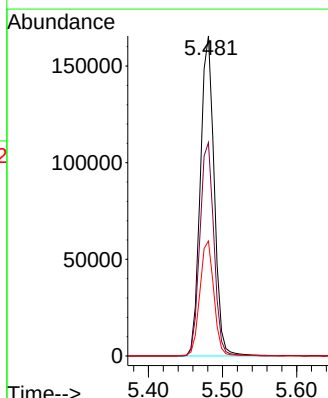
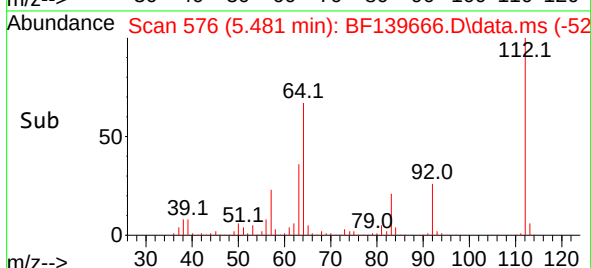
Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024

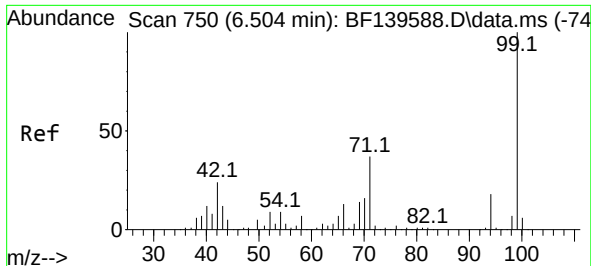


#5
2-Fluorophenol
Concen: 41.525 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19



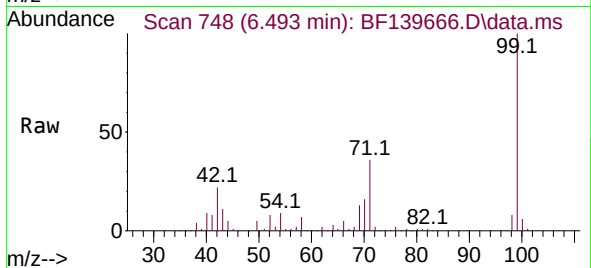
Tgt Ion:112 Resp: 215690
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.4
63 35.9 29.4 44.2





#7
Phenol-d6
Concen: 38.958 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

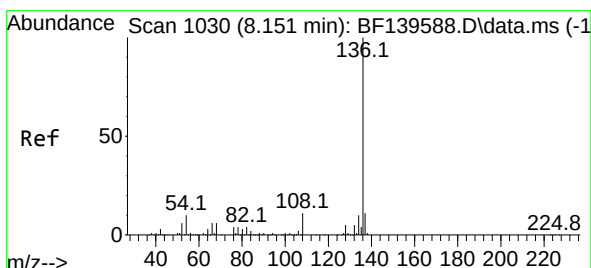
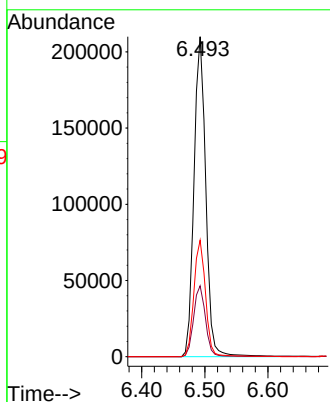
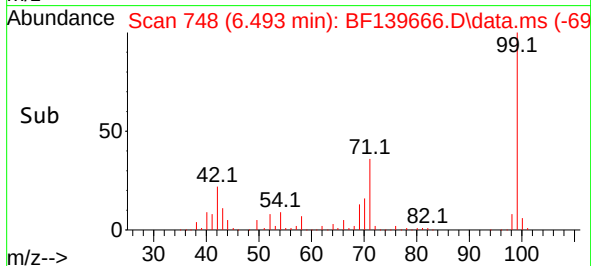
Instrument :
BNA_F
ClientSampleId :
AU-05-100224



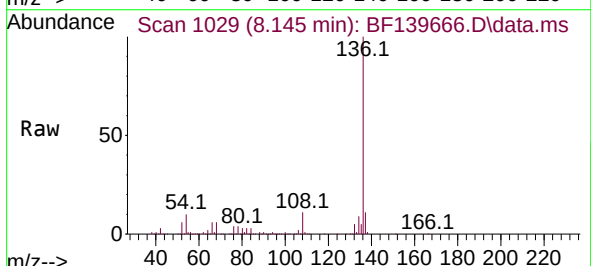
Tgt Ion: 99 Resp: 27212
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 36.4 29.7 44.5

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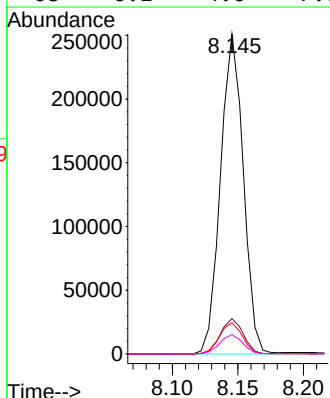
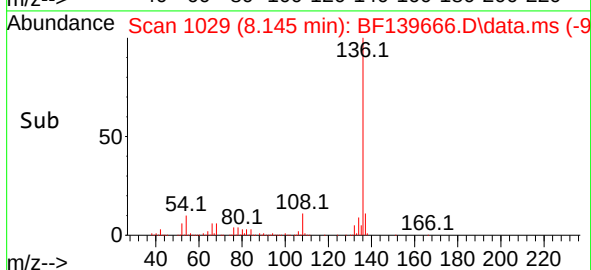
Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024

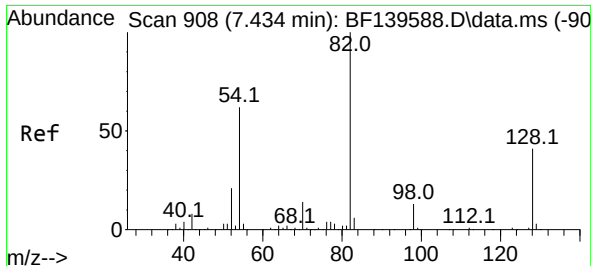


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19



Tgt Ion:136 Resp: 303514
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.8 8.3 12.5
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 28.441 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

Tgt Ion: 82 Resp: 170498

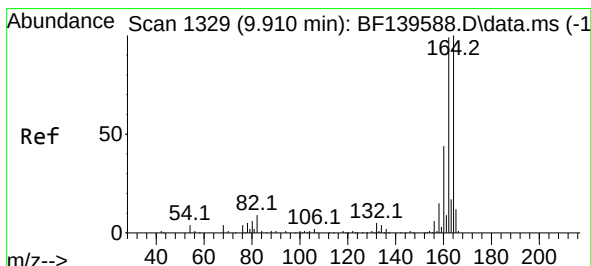
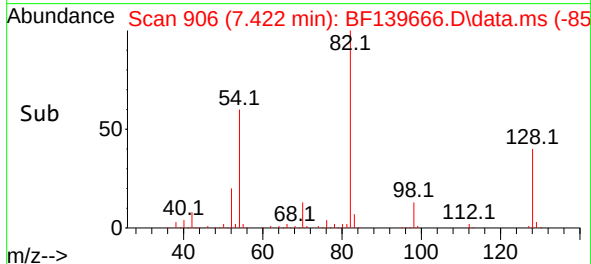
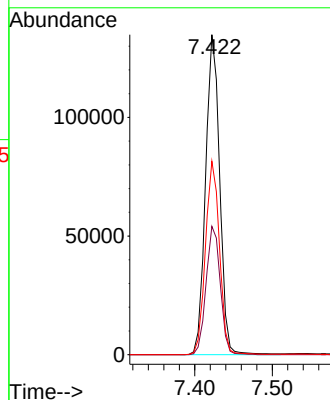
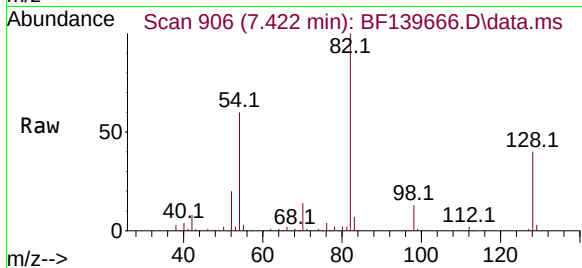
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.4	48.6
54	60.5	49.1	73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

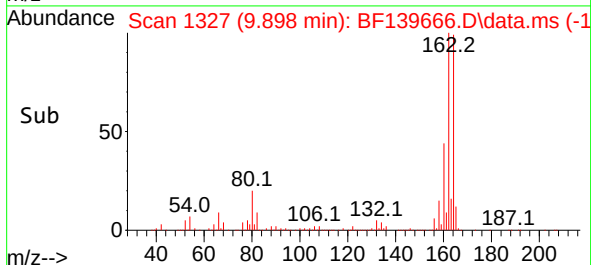
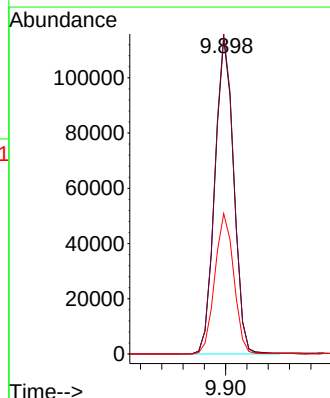
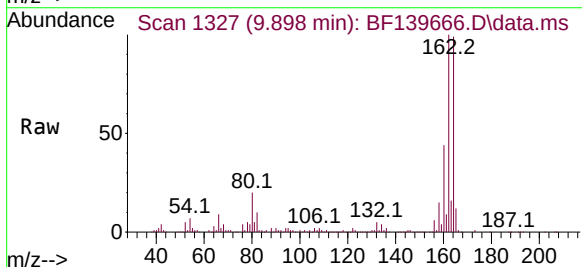
Delta R.T. -0.012 min

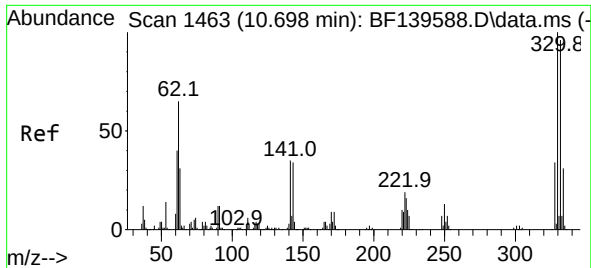
Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Tgt Ion:164 Resp: 140372

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.4	119.0
160	44.5	35.1	52.7





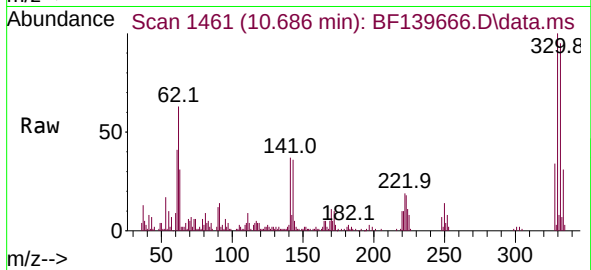
#42
2,4,6-Tribromophenol
Concen: 35.671 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224



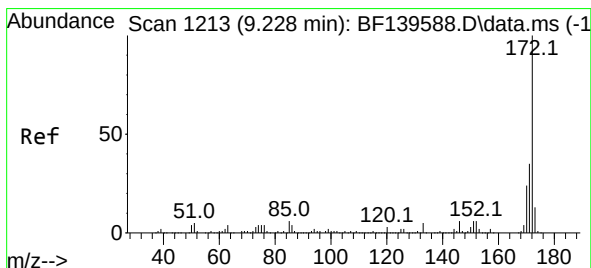
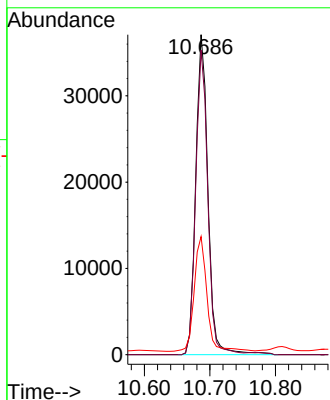
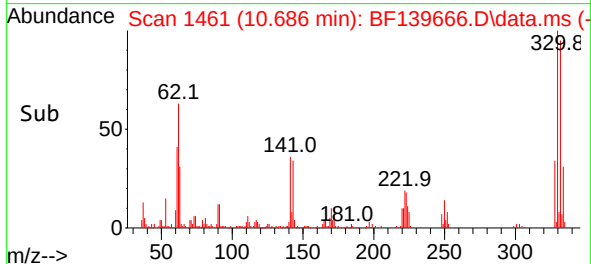
Tgt Ion: 330 Resp: 4833
Ion Ratio Lower Upper
330 100
332 93.4 76.5 114.7
141 37.2 29.3 43.9

Manual Integrations

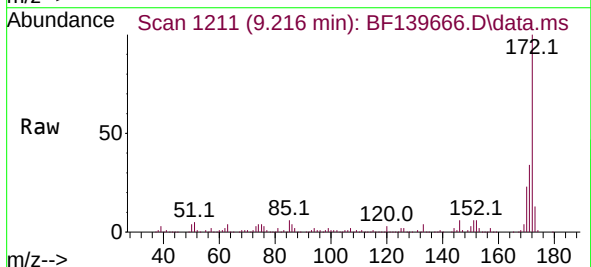
APPROVED

Reviewed By : Yogesh Patel 10/07/2024

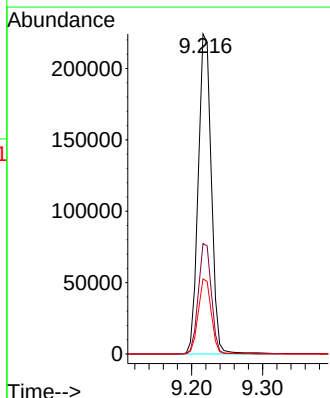
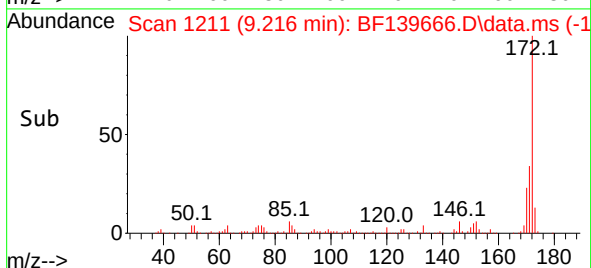
Supervised By : mohammad ahmed 10/07/2024

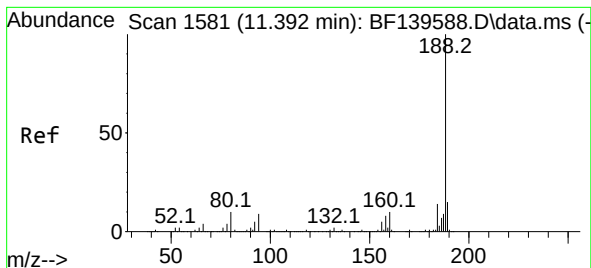


#45
2-Fluorobiphenyl
Concen: 31.584 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19



Tgt Ion: 172 Resp: 288791
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

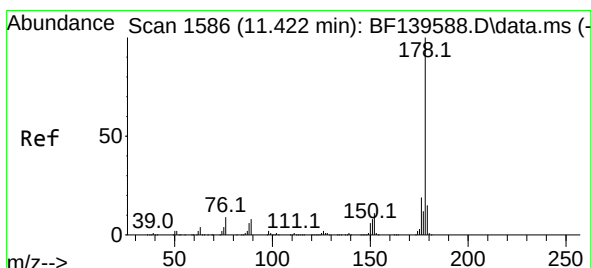
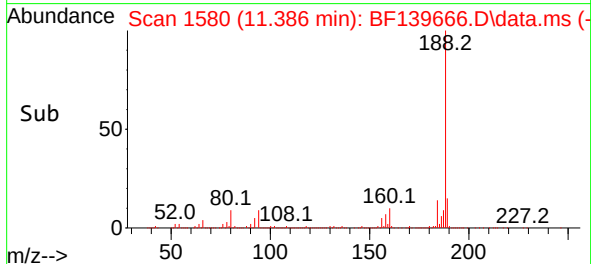
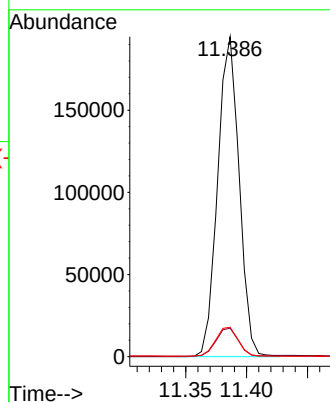
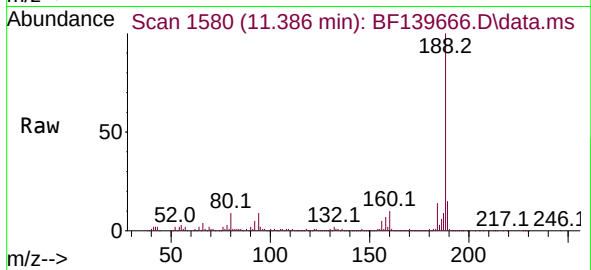
AU-05-100224

Tgt Ion:188 Resp: 23937
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.2 8.2 12.2

Manual Integrations

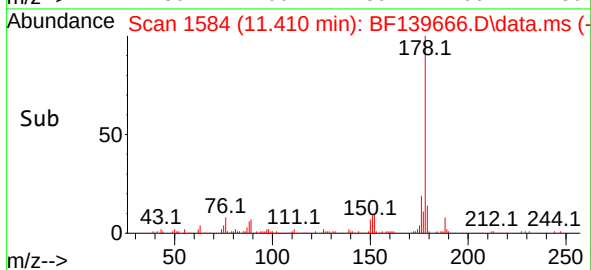
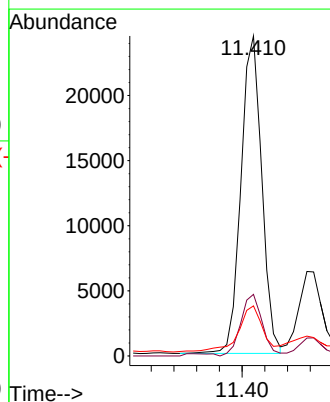
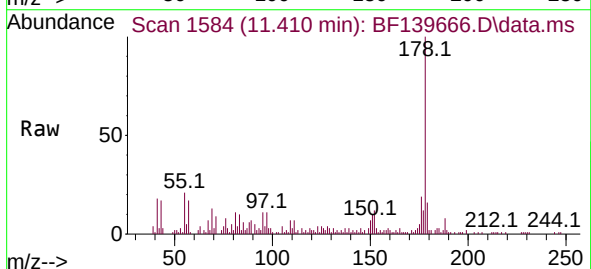
APPROVED

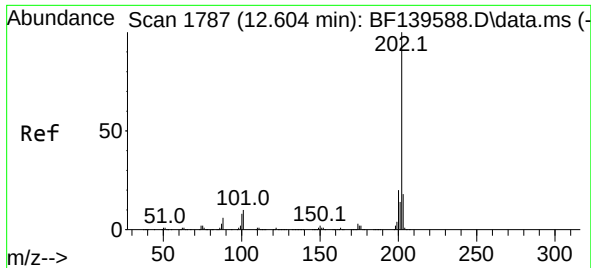
Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024



#71
Phenanthrene
Concen: 2.747 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

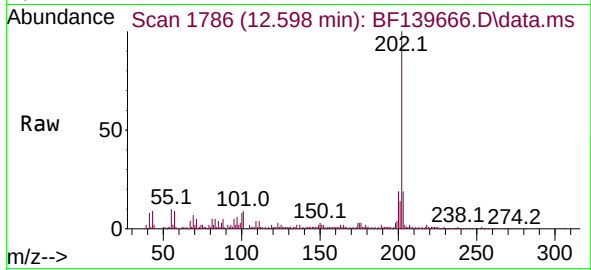
Tgt Ion:178 Resp: 31005
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.6 12.3 18.5





#75
Fluoranthene
Concen: 4.950 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

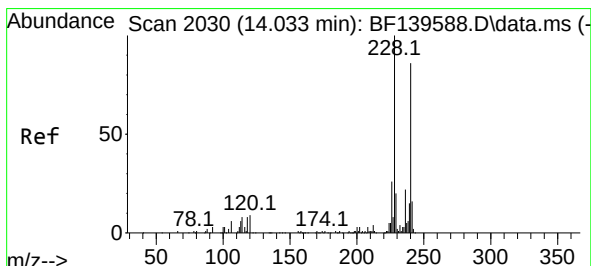
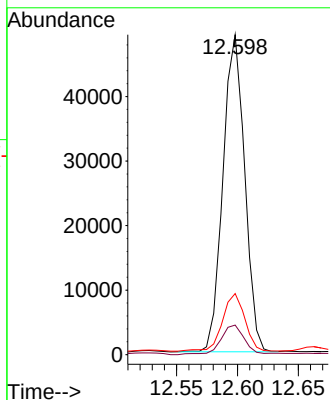
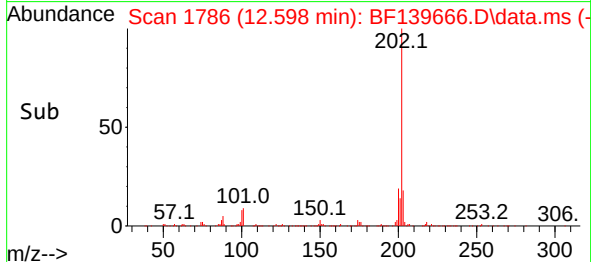
Instrument :
BNA_F
ClientSampleId :
AU-05-100224



Tgt Ion:202 Resp: 61070
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.2
203 19.1 0.0 37.7

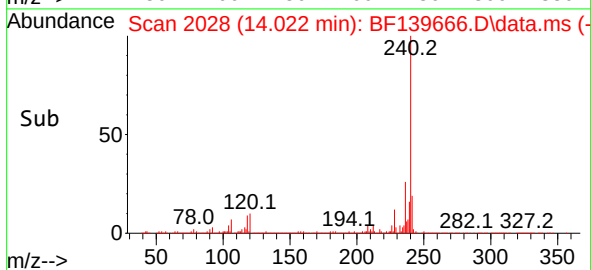
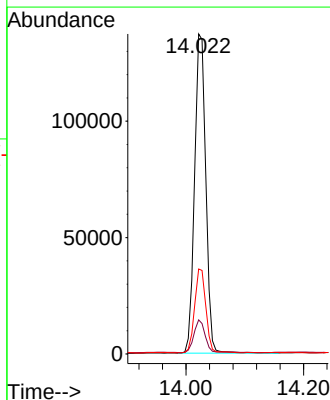
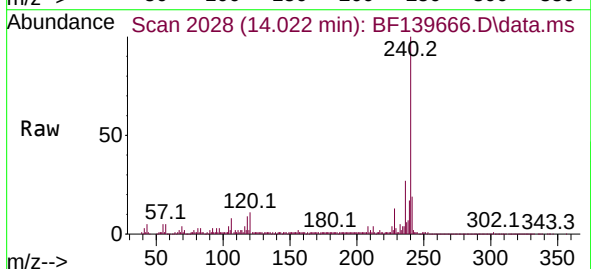
Manual Integrations
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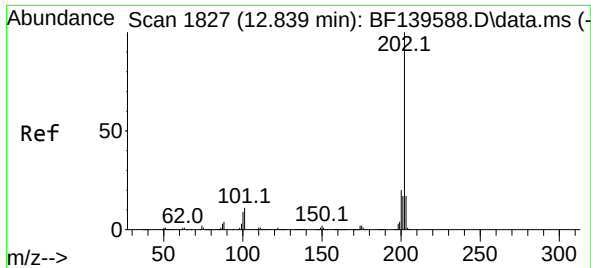
Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.011 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

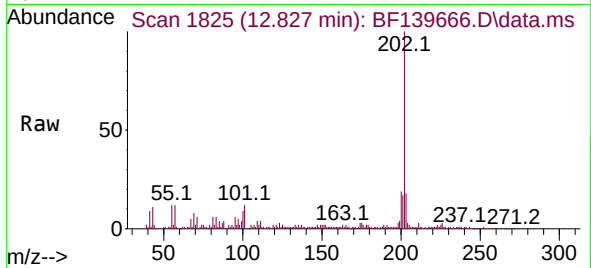
Tgt Ion:240 Resp: 181695
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 26.6 20.3 30.5





#78
Pyrene
Concen: 3.675 ng
RT: 12.827 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

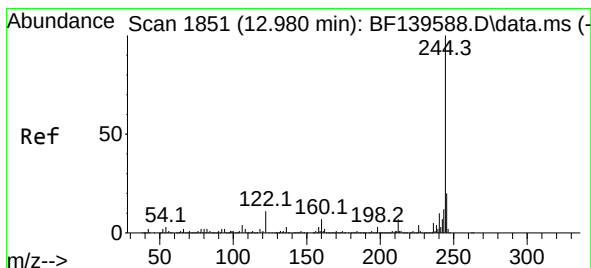
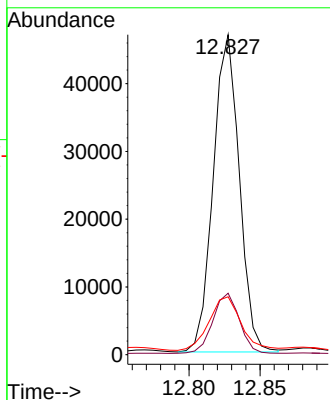
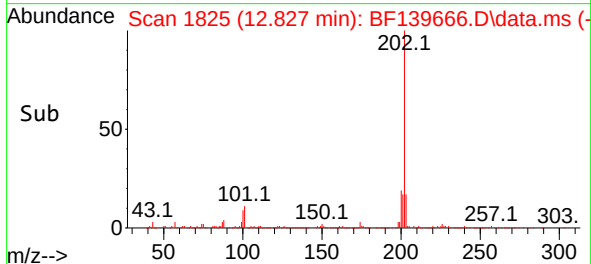
Instrument :
BNA_F
ClientSampleId :
AU-05-100224



Tgt Ion:202 Resp: 59718
Ion Ratio Lower Upper
202 100
200 19.2 15.8 23.6
203 18.1 13.8 20.8

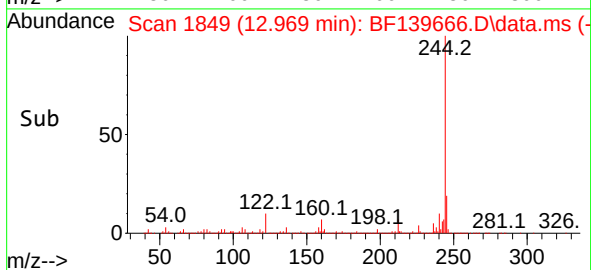
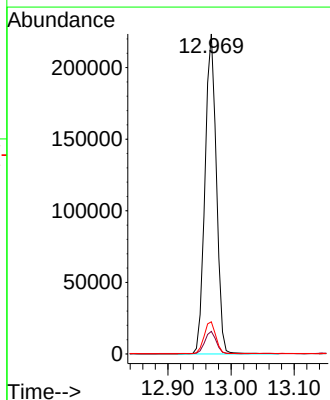
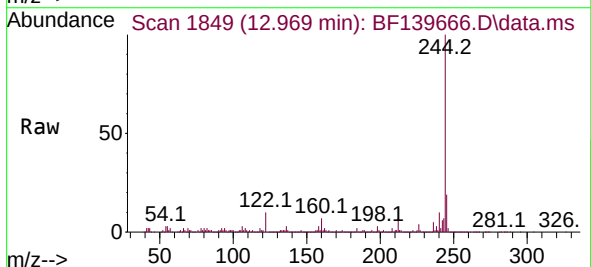
Manual Integrations
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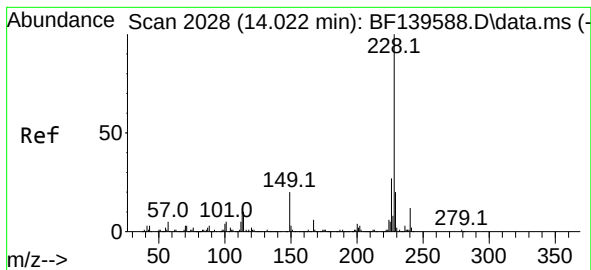
Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024



#79
Terphenyl-d14
Concen: 25.279 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Tgt Ion:244 Resp: 279924
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 2.933 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

Tgt Ion:228 Resp: 3504

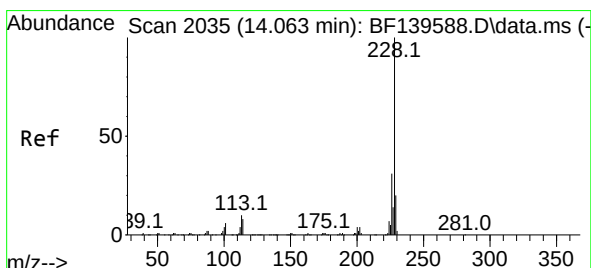
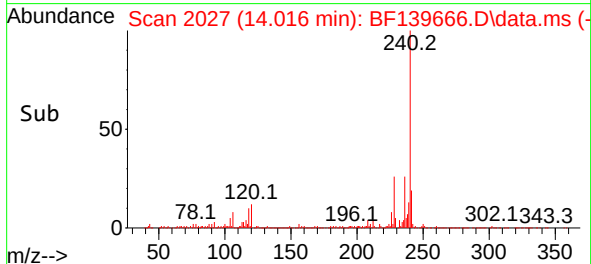
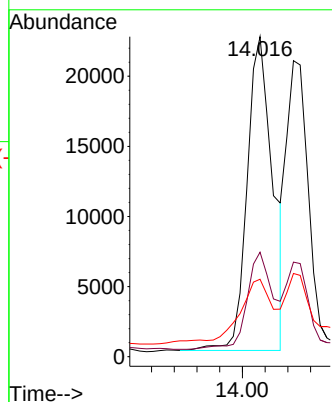
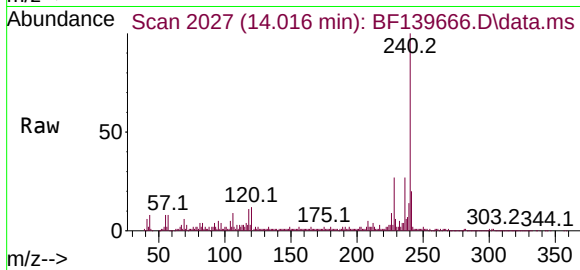
Ion	Ratio	Lower	Upper
228	100		
226	32.6	21.8	32.8
229	24.2	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/07/2024

Supervised By :mohammad ahmed 10/07/2024



#83

Chrysene

Concen: 2.517 ng

RT: 14.045 min Scan# 2032

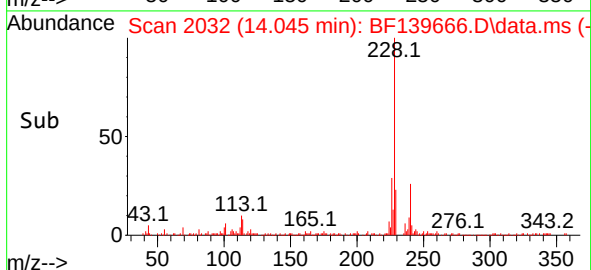
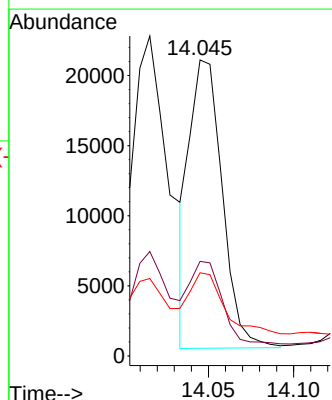
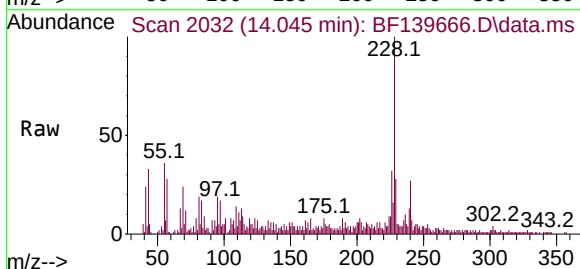
Delta R.T. -0.018 min

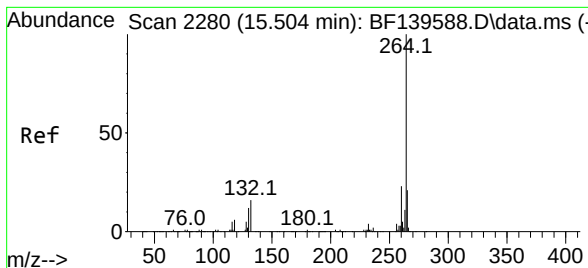
Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Tgt Ion:228 Resp: 27489

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.3	36.5
229	28.1	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

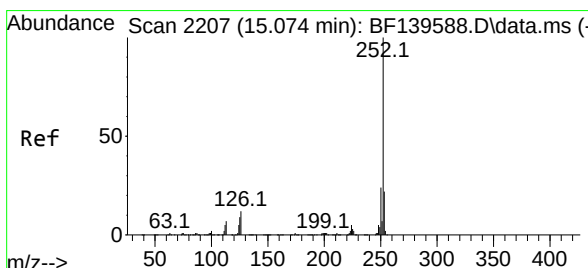
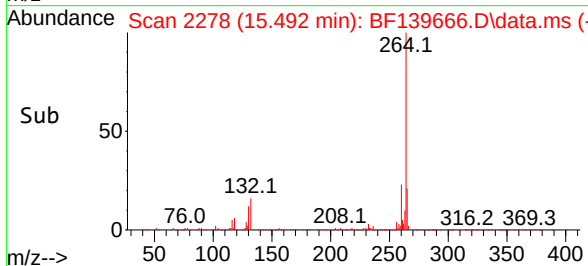
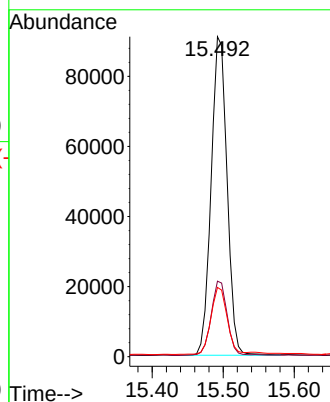
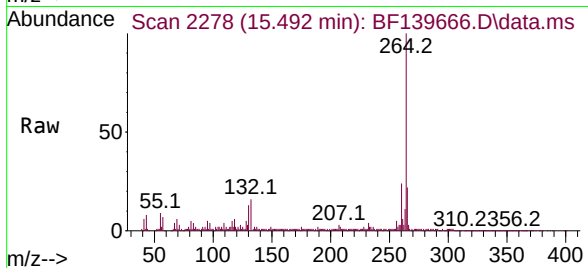
Tgt Ion:264 Resp: 14161
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.7 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/07/2024

Supervised By :mohammad ahmed 10/07/2024



#88

Benzo(b)fluoranthene

Concen: 3.329 ng m

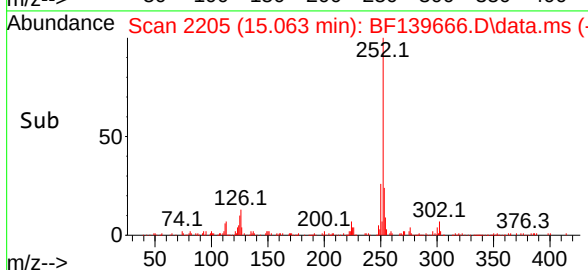
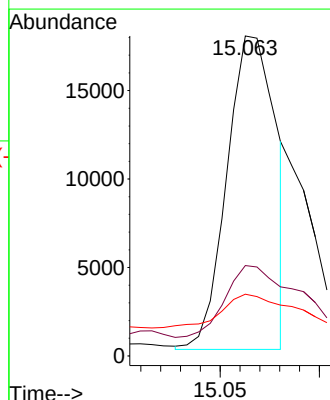
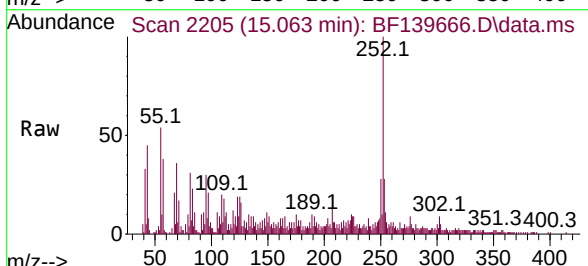
RT: 15.063 min Scan# 2205

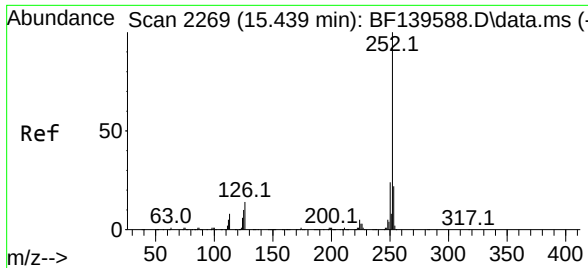
Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

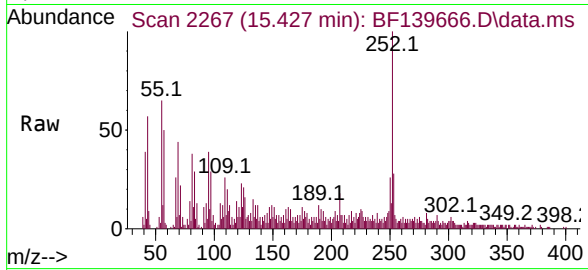
Tgt Ion:252 Resp: 30482
 Ion Ratio Lower Upper
 252 100
 253 28.2 17.4 26.0#
 125 19.3 7.4 11.0#





#90
 Benzo(a)pyrene
 Concen: 2.768 ng
 RT: 15.427 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF139666.D
 Acq: 04 Oct 2024 19:19

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-100224



Tgt Ion:252 Resp: 1998

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.3	25.9
125	21.0	8.3	12.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2024
 Supervised By :mohammad ahmed 10/07/2024

