

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136957.D
 Acq On : 04 Jan 2024 23:54
 Operator : CG\JU
 Sample : 06015-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-323-6-8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 05 00:45:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	46508	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	169108	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	81792	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	144430	20.000	ng	0.00
76) Chrysene-d12	13.969	240	115157	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	112872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	255042	85.563	ng	0.00
7) Phenol-d6	6.434	99	317837	82.292	ng	0.00
23) Nitrobenzene-d5	7.345	82	187446	56.720	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	70664	73.357	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	361399	59.428	ng	-0.02
79) Terphenyl-d14	12.904	244	349493	42.412	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	95691	12.912	ng	98
72) Anthracene	11.386	178	21092	2.810	ng	99
75) Fluoranthene	12.527	202	111199	14.028	ng	99
78) Pyrene	12.757	202	110400	9.766	ng	99
81) Benzo(a)anthracene	13.957	228	62412	7.805	ng	98
83) Chrysene	13.992	228	59631m	7.626	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	19346	2.374	ng	95
88) Benzo(b)fluoranthene	15.016	252	57511m	7.629	ng	
89) Benzo(k)fluoranthene	15.039	252	21752m	3.054	ng	
90) Benzo(a)pyrene	15.386	252	40915	6.430	ng	96
92) Benzo(g,h,i)perylene	17.421	276	17548	2.563	ng	97

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

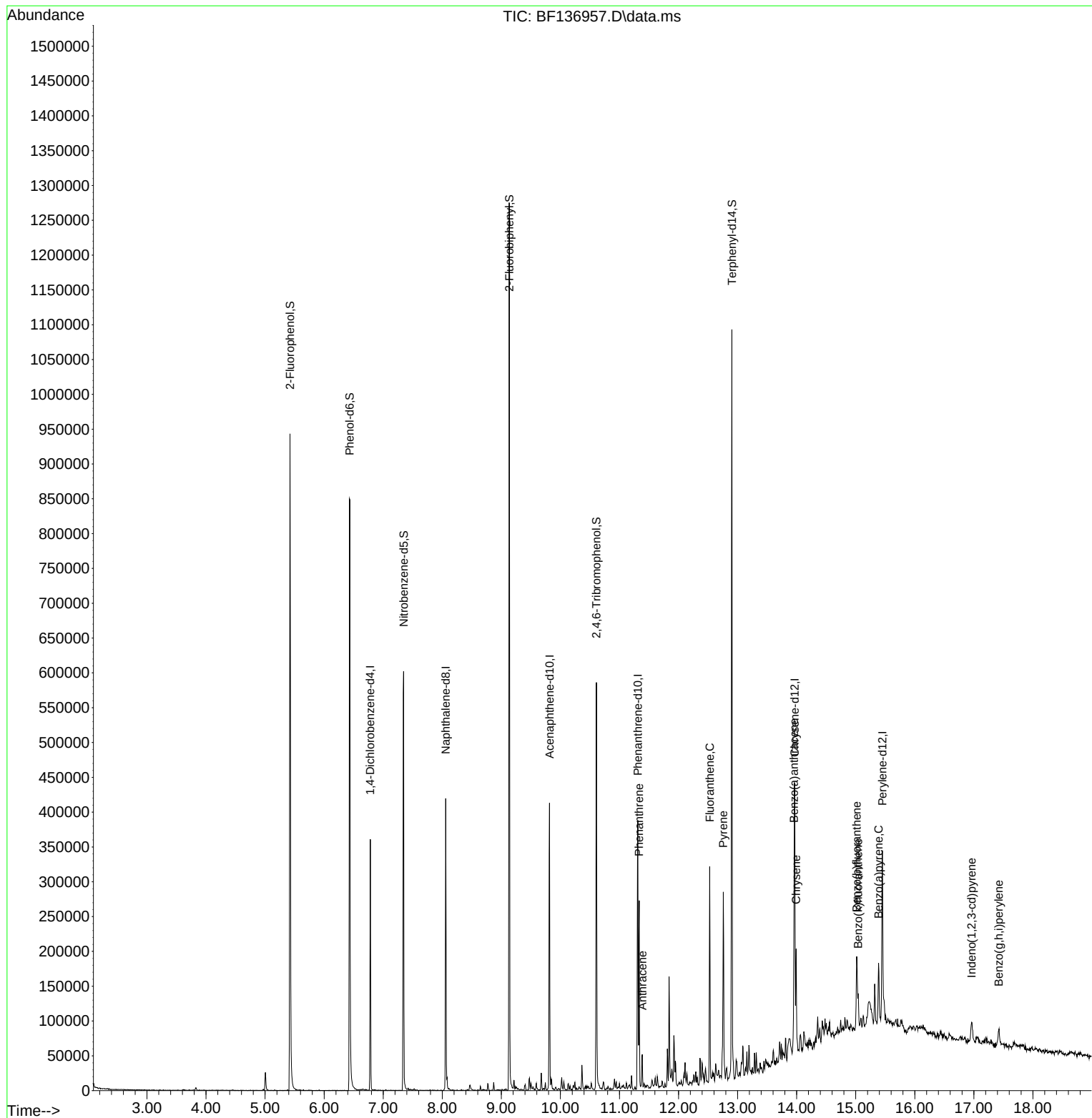
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136957.D
Acq On : 04 Jan 2024 23:54
Operator : CG\JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

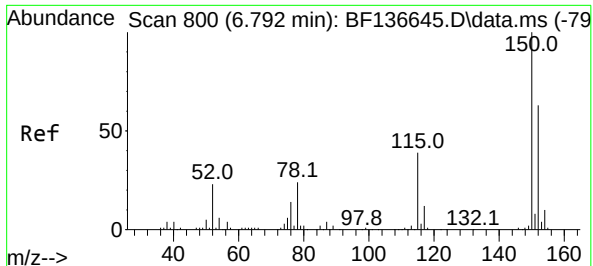
Instrument :
BNA_F
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MR-323-6-8

Quant Time: Jan 05 00:45:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

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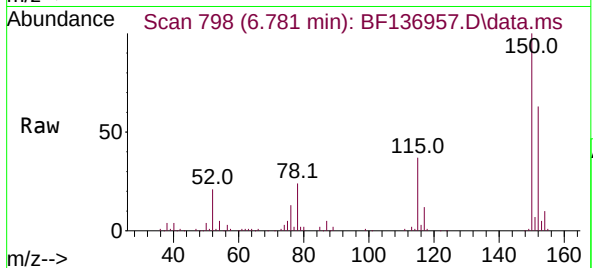
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

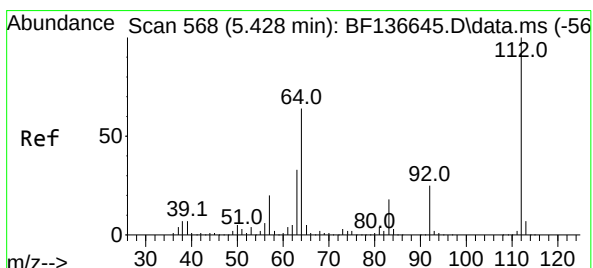
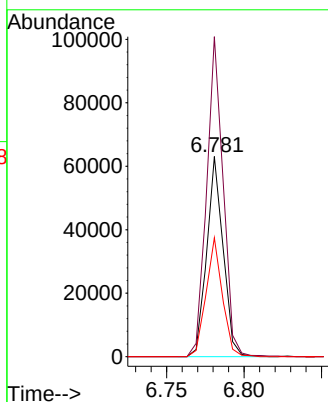
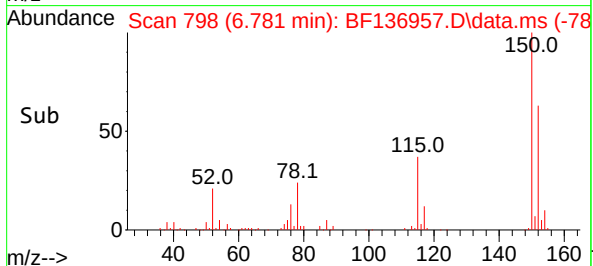
Instrument :
BNA_F
ClientSampleId :
MR-323-6-8



Tgt Ion:152 Resp: 46508
Ion Ratio Lower Upper
152 100
150 159.8 127.0 190.6
115 59.4 49.0 73.4

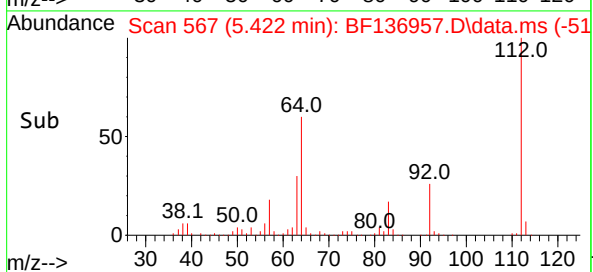
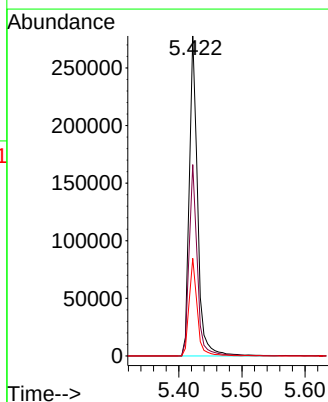
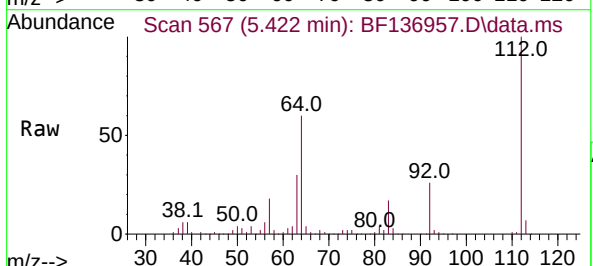
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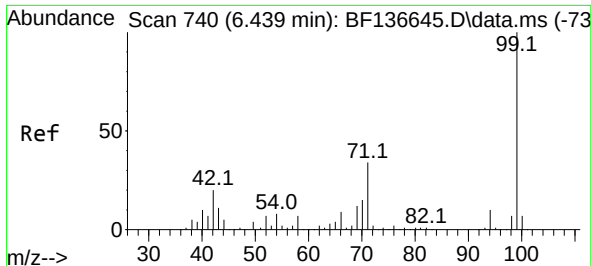
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#5
2-Fluorophenol
Concen: 85.563 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Tgt Ion:112 Resp: 255042
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 30.5 26.1 39.1





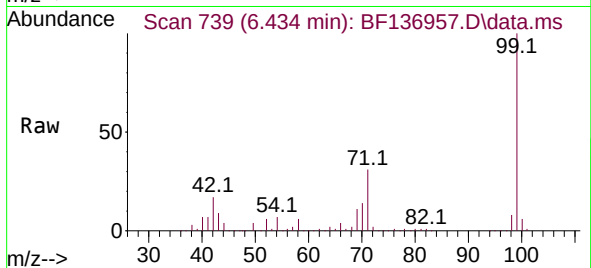
#7
Phenol-d6
Concen: 82.292 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

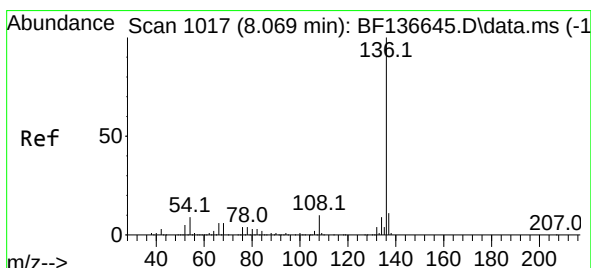
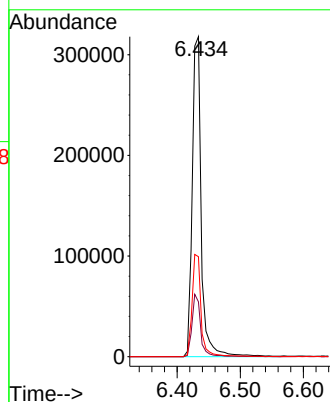
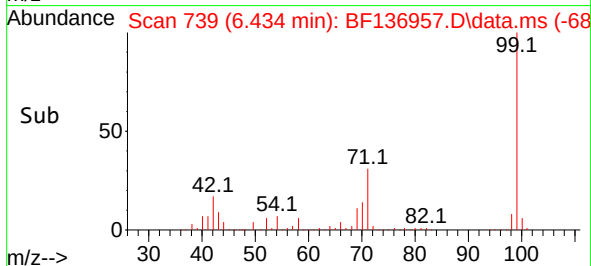


Tgt Ion: 99 Resp: 31783
Ion Ratio Lower Upper
99 100
42 17.2 16.1 24.1
71 31.3 27.4 41.2

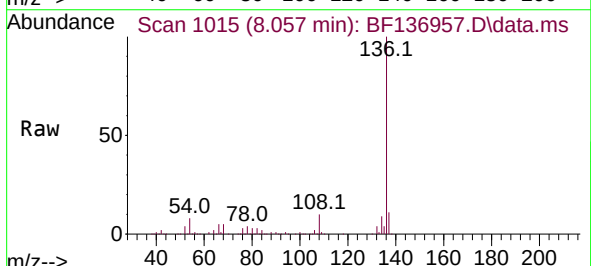
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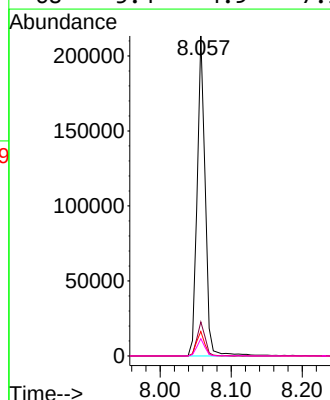
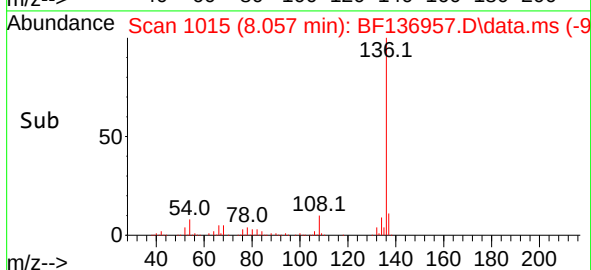
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

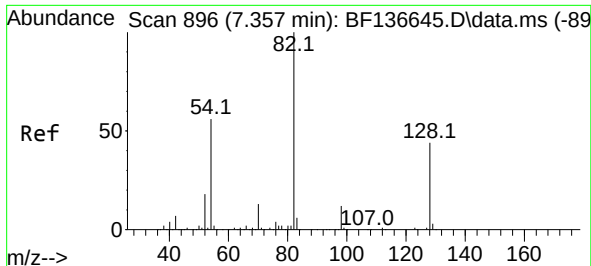


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54



Tgt Ion:136 Resp: 169108
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.7 7.2 10.8
68 5.4 4.9 7.3





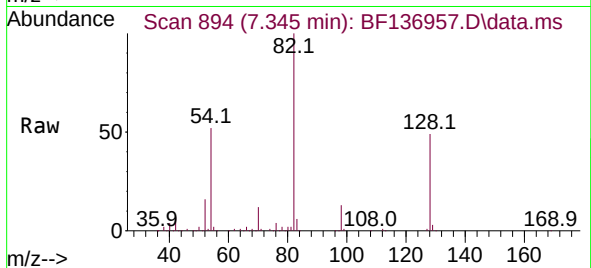
#23
Nitrobenzene-d5
Concen: 56.720 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :

BNA_F

ClientSampleId :

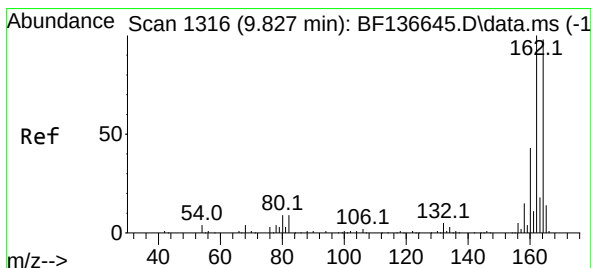
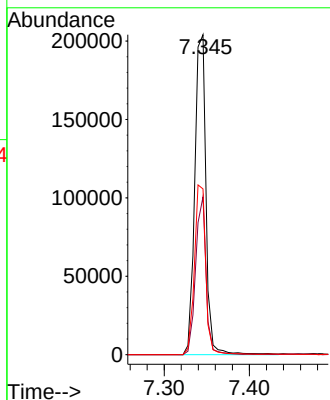
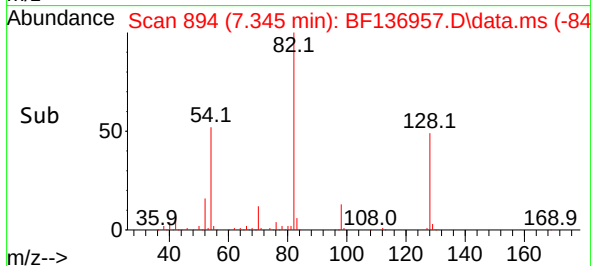
MR-323-6-8



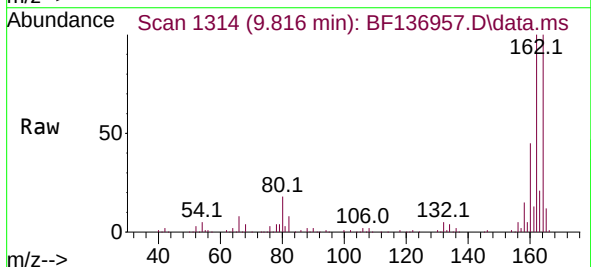
Tgt Ion: 82 Resp: 187440
Ion Ratio Lower Upper
82 100
128 49.3 35.3 52.9
54 51.8 44.5 66.7

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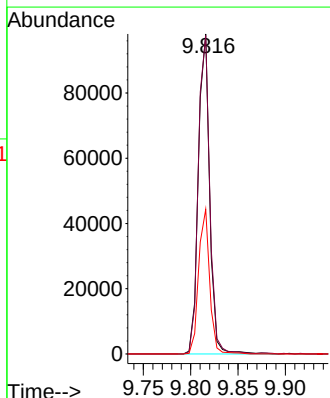
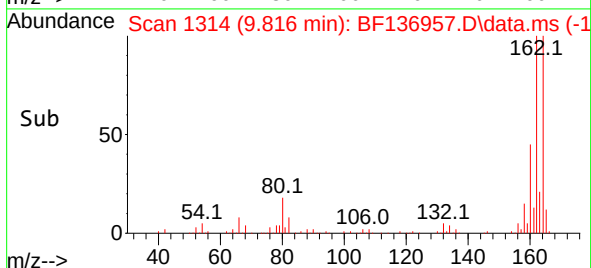
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

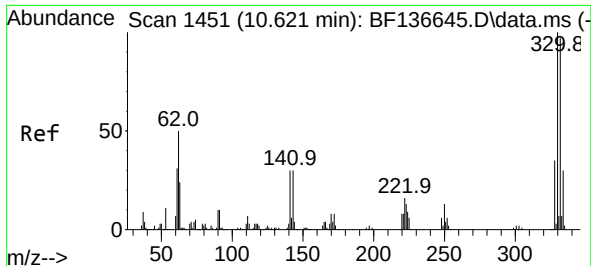


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54



Tgt Ion:164 Resp: 81792
Ion Ratio Lower Upper
164 100
162 99.5 81.6 122.4
160 45.2 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 73.357 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :

BNA_F

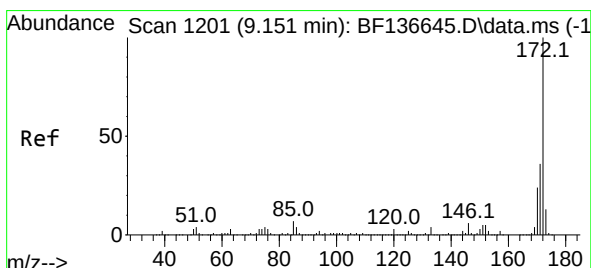
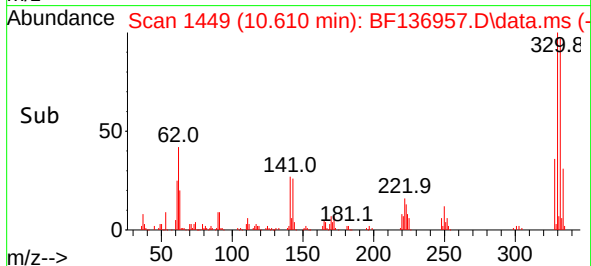
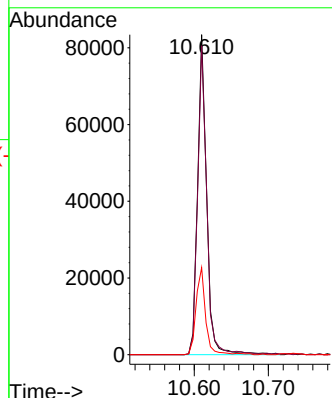
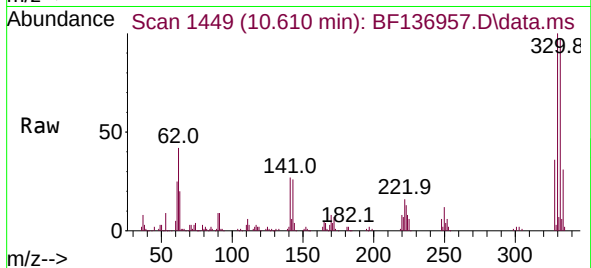
ClientSampleId :

MR-323-6-8

Tgt Ion:330 Resp: 70664
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 28.2 23.4 35.2

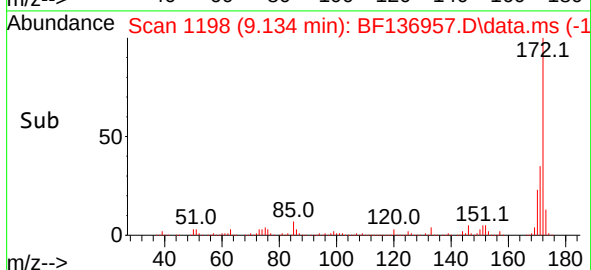
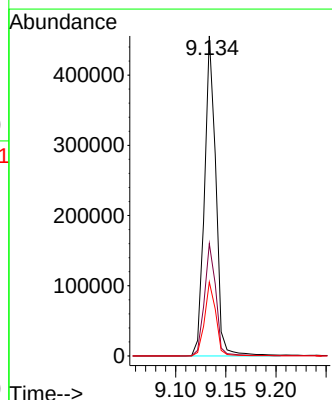
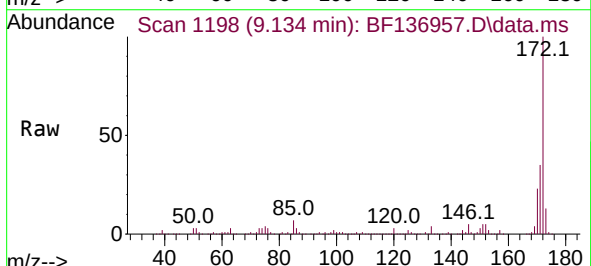
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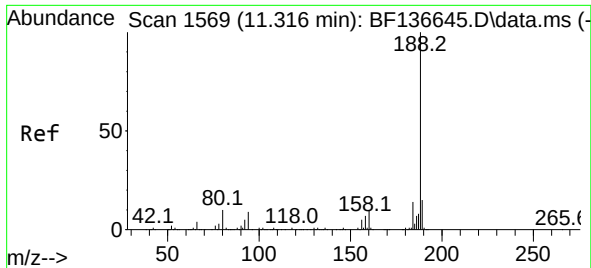
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#45
2-Fluorobiphenyl
Concen: 59.428 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Tgt Ion:172 Resp: 361399
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.6
170 23.1 19.0 28.4





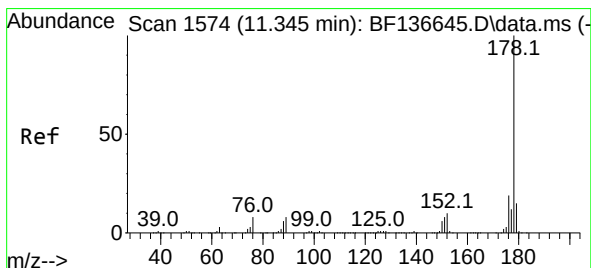
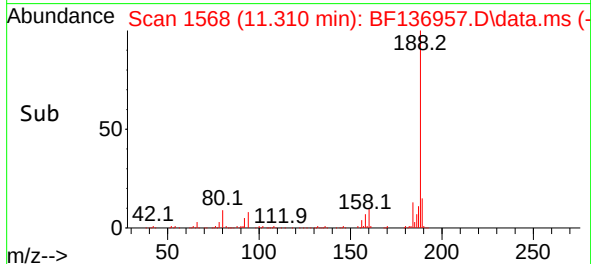
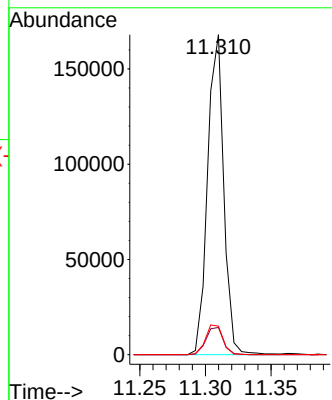
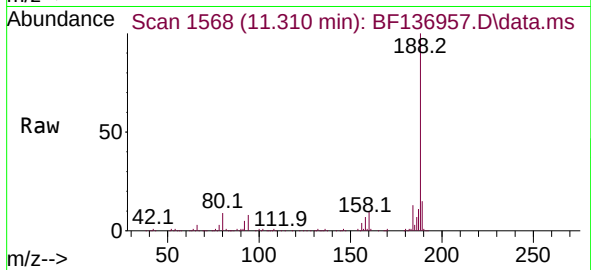
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8

Tgt Ion:188 Resp: 144430
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 8.9 8.1 12.1

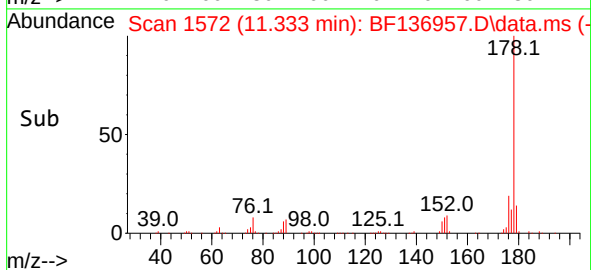
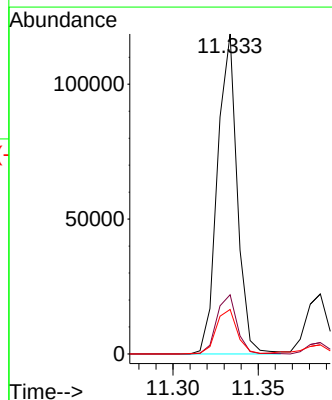
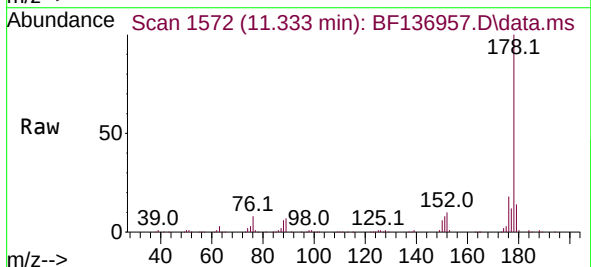
Manual Integrations
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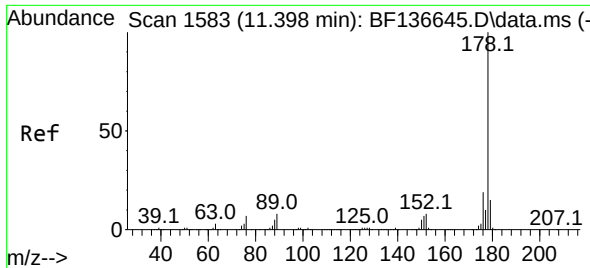
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#71
Phenanthrene
Concen: 12.912 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

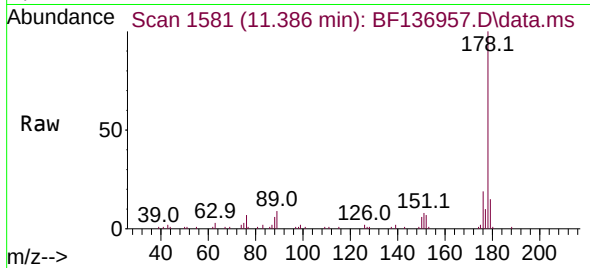
Tgt Ion:178 Resp: 95691
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 13.9 11.9 17.9





#72
 Anthracene
 Concen: 2.810 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136957.D
 Acq: 04 Jan 2024 23:54

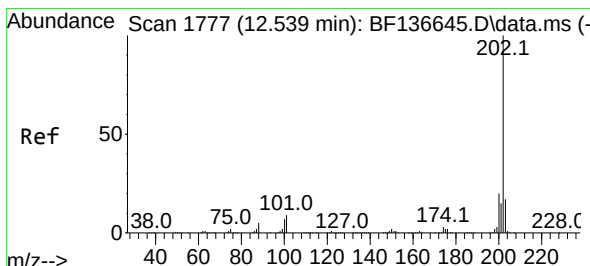
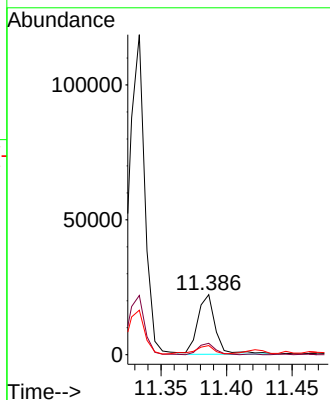
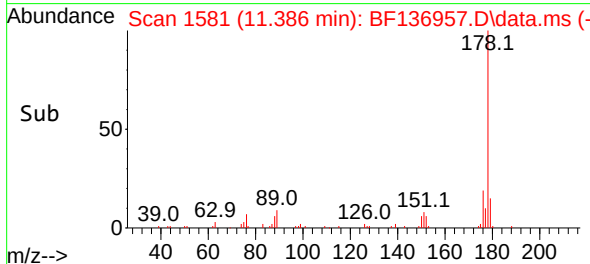
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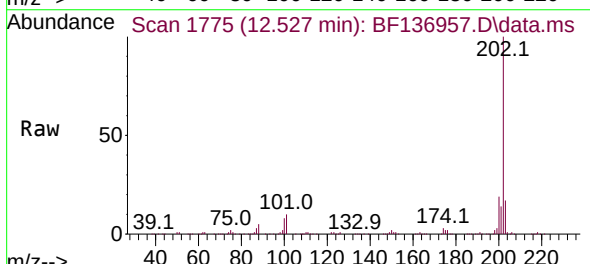
Tgt Ion:178 Resp: 21092
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 15.2 11.8 17.6

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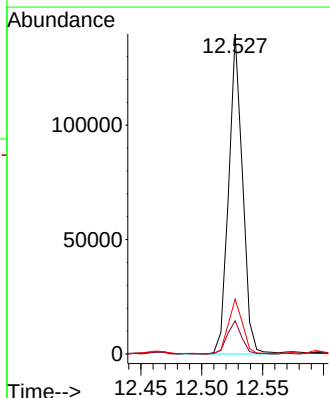
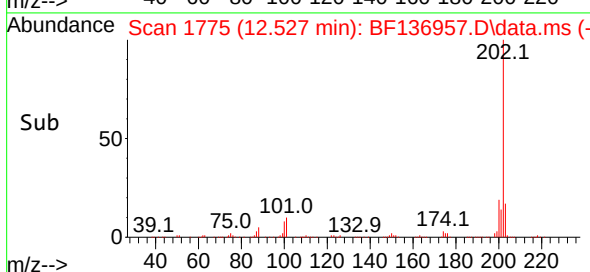
Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

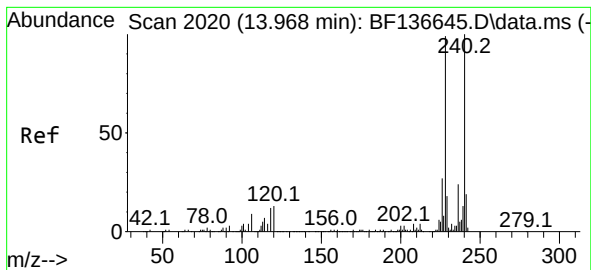


#75
 Fluoranthene
 Concen: 14.028 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136957.D
 Acq: 04 Jan 2024 23:54



Tgt Ion:202 Resp: 111199
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.3
 203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

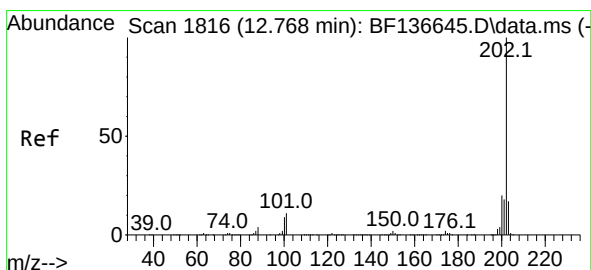
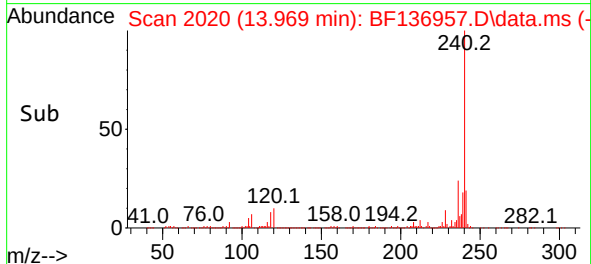
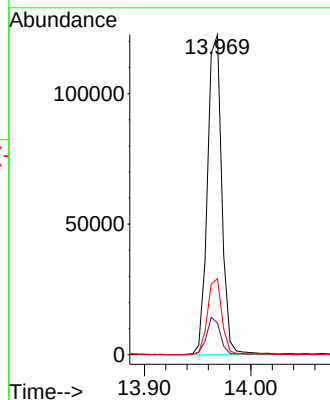
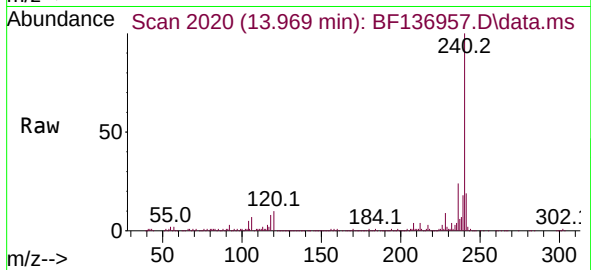
Tgt Ion:240 Resp: 11515
 Ion Ratio Lower Upper
 240 100
 120 9.9 10.3 15.5
 236 23.8 19.4 29.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#78

Pyrene

Concen: 9.766 ng

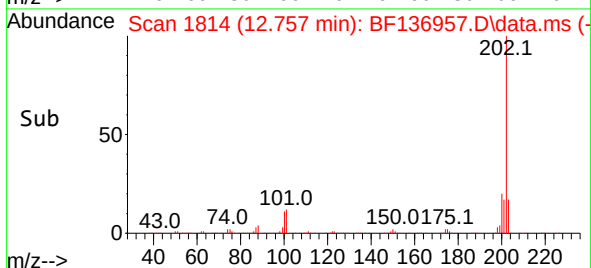
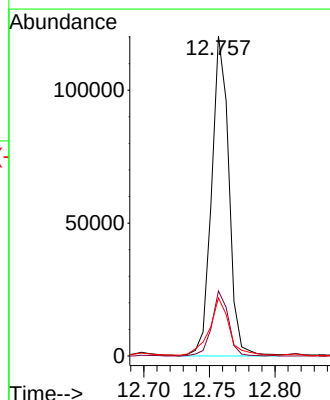
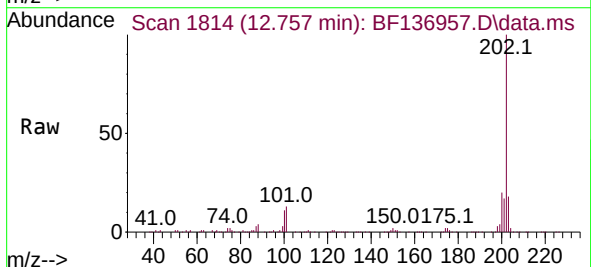
RT: 12.757 min Scan# 1814

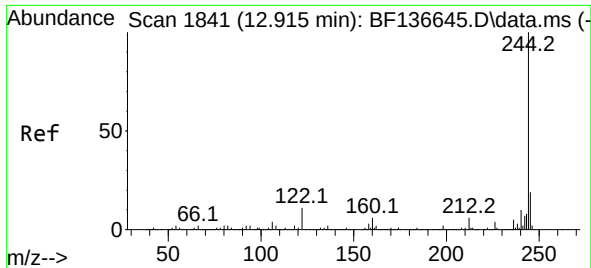
Delta R.T. -0.012 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Tgt Ion:202 Resp: 110400
 Ion Ratio Lower Upper
 202 100
 200 20.3 15.9 23.9
 203 18.1 13.8 20.6





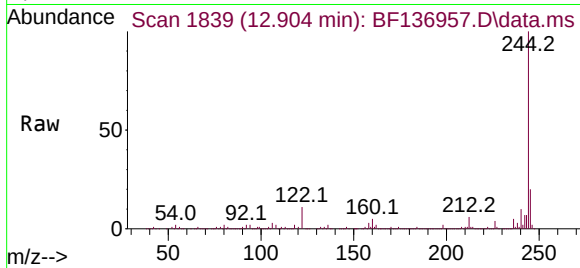
#79
 Terphenyl-d14
 Concen: 42.412 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136957.D
 Acq: 04 Jan 2024 23:54

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8



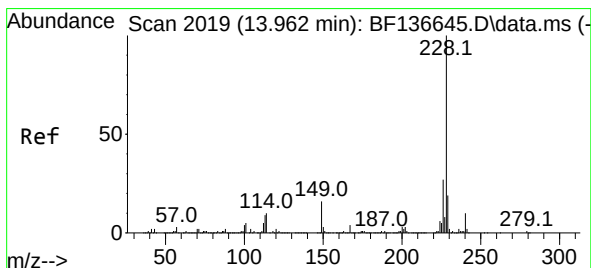
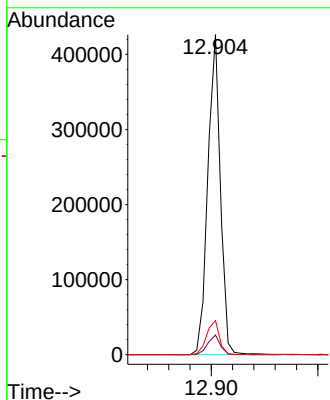
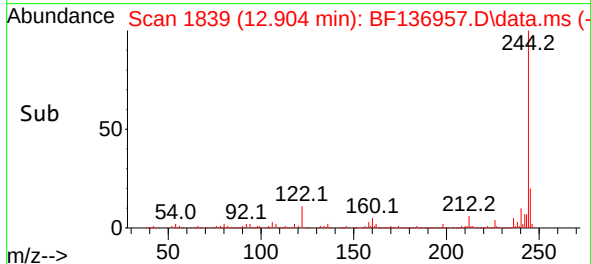
Tgt Ion:244 Resp: 34949
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 10.7 9.0 13.4

Manual Integrations

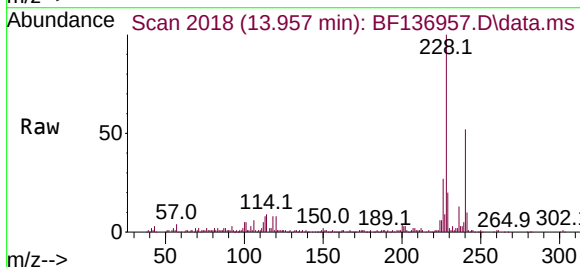
APPROVED

Reviewed By :Yogesh Patel 01/05/2024

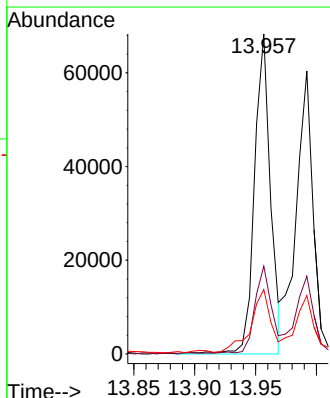
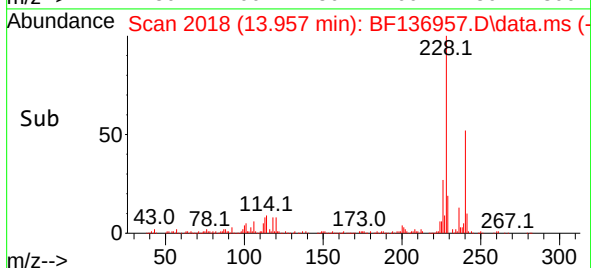
Supervised By :mohammad ahmed 01/05/2024

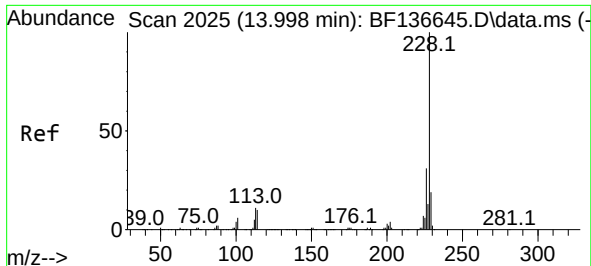


#81
 Benzo(a)anthracene
 Concen: 7.805 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136957.D
 Acq: 04 Jan 2024 23:54



Tgt Ion:228 Resp: 62412
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.4 32.0
 229 20.1 14.9 22.3





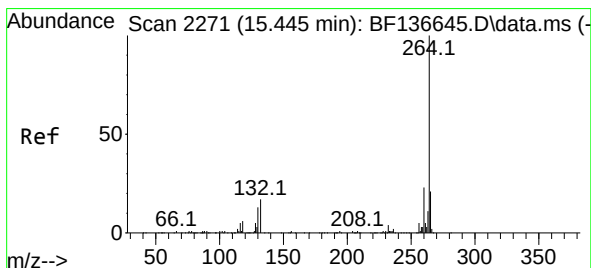
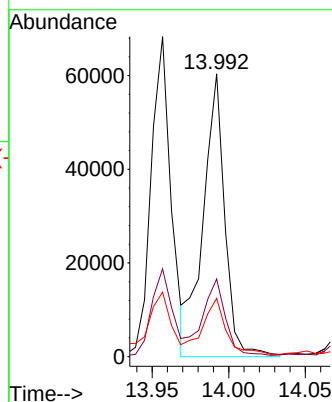
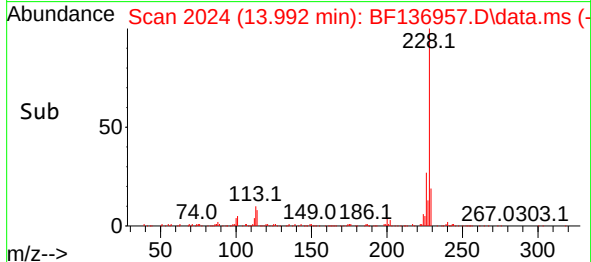
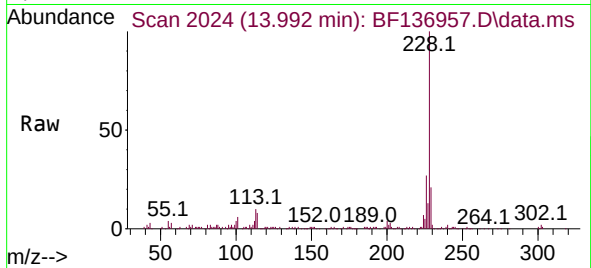
#83
Chrysene
Concen: 7.626 ng m
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8

Tgt Ion:228 Resp: 5963
Ion Ratio Lower Upper
228 100
226 27.5 24.7 37.1
229 20.6 15.4 23.0

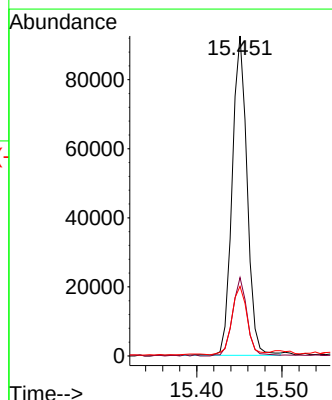
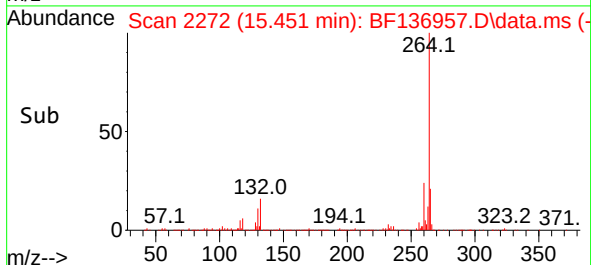
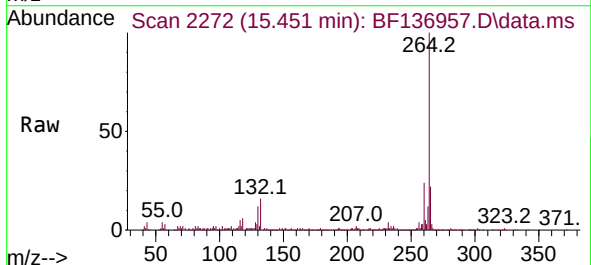
Manual Integrations
APPROVED

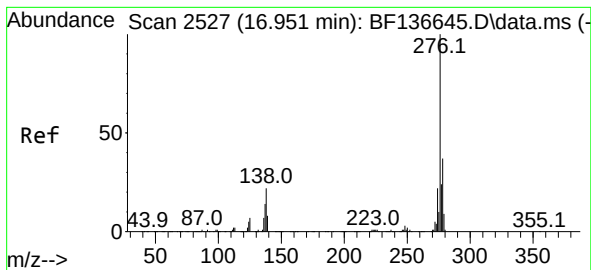
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Tgt Ion:264 Resp: 112872
Ion Ratio Lower Upper
264 100
260 24.5 18.3 27.5
265 21.7 17.0 25.6





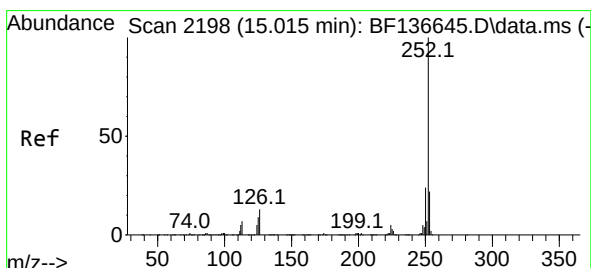
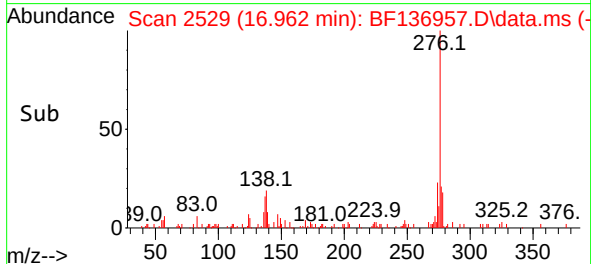
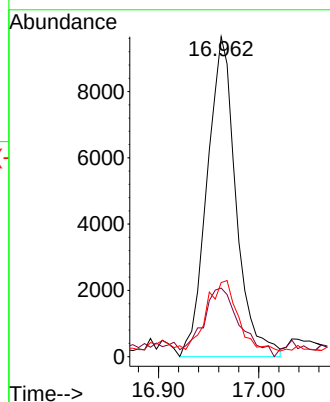
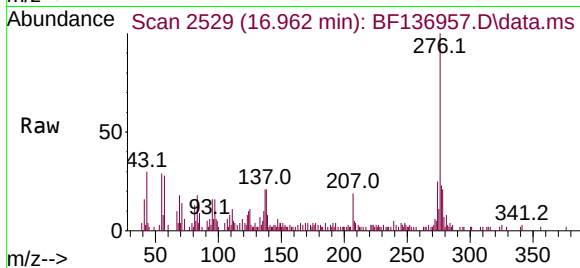
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.374 ng
RT: 16.962 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8

Tgt Ion: 276 Resp: 19340
Ion Ratio Lower Upper
276 100
138 27.3 18.7 28.1
277 24.5 20.2 30.2

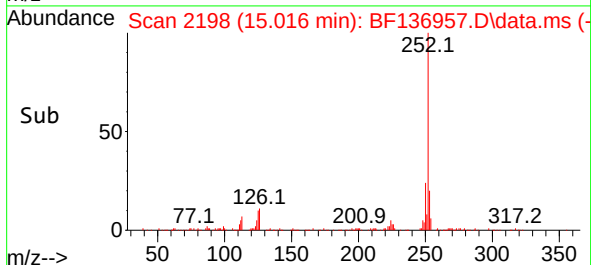
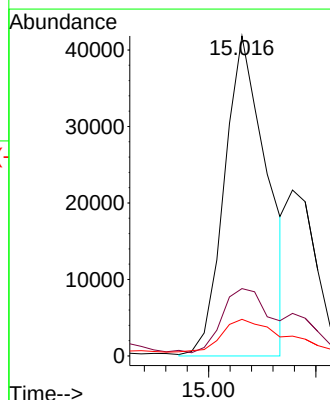
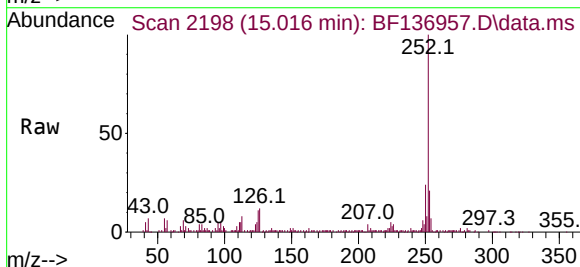
Manual Integrations
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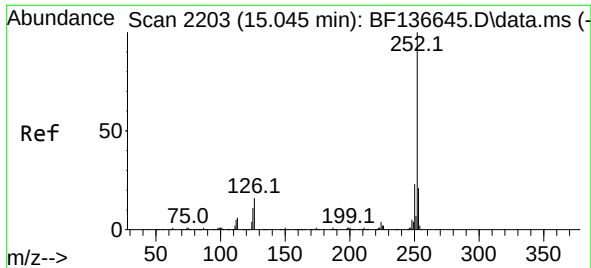
Reviewed By : Yogesh Patel 01/05/2024
Supervised By : mohammad ahmed 01/05/2024



#88
Benzo(b)fluoranthene
Concen: 7.629 ng m
RT: 15.016 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Tgt Ion: 252 Resp: 57511
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.0
125 11.4 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.054 ng m

RT: 15.039 min Scan# 2175

Delta R.T. -0.006 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

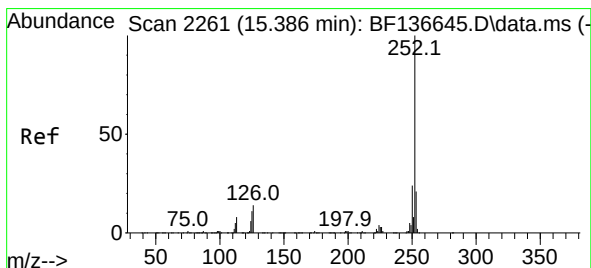
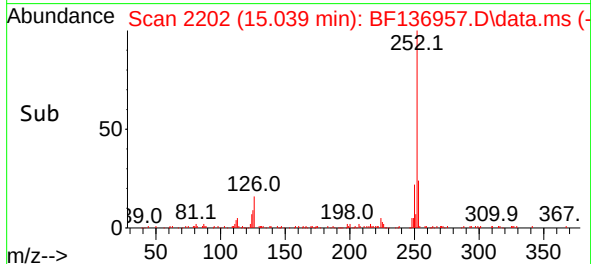
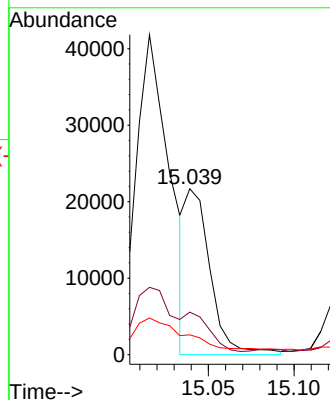
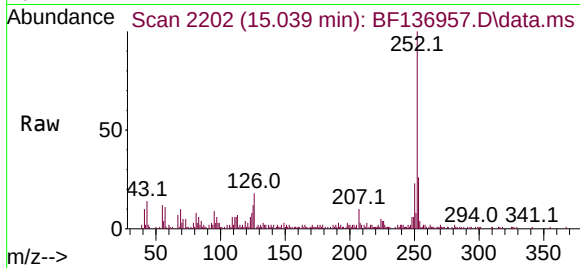
Tgt Ion:	252	Resp:	2175
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.0	25.6
125	11.9	8.2	12.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#90

Benzo(a)pyrene

Concen: 6.430 ng

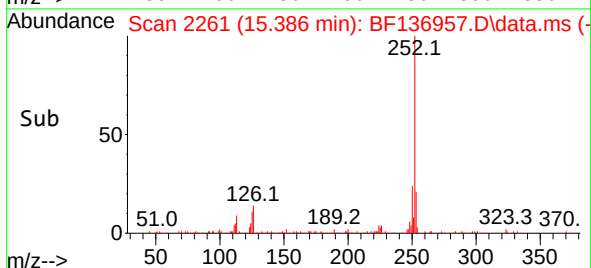
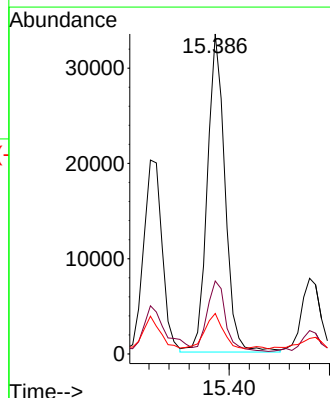
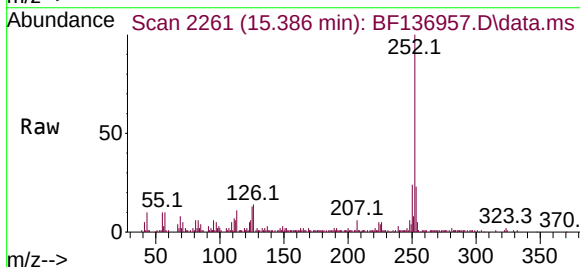
RT: 15.386 min Scan# 2261

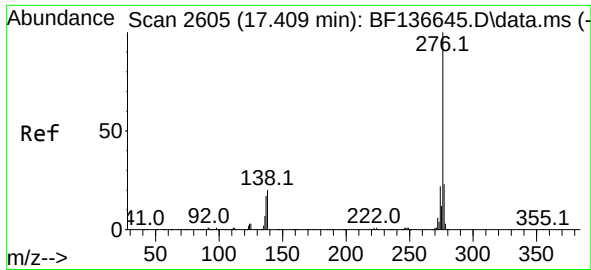
Delta R.T. 0.000 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

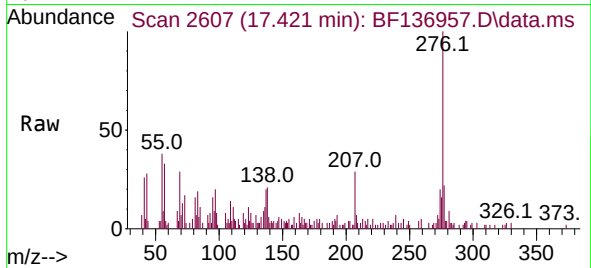
Tgt Ion:	252	Resp:	40915
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	12.7	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 2.563 ng
RT: 17.421 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF136957.D
Acq: 04 Jan 2024 23:54

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8



Tgt Ion:276 Resp: 17548
Ion Ratio Lower Upper
276 100
277 22.1 18.3 27.5
138 21.3 15.6 23.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

