

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136040.D
 Acq On : 30 Oct 2023 21:33
 Operator : CG\JU
 Sample : 04907-01RE 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101623RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 01:42:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	176339	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	671886	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	296469	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	444420	20.000	ng	0.00
76) Chrysene-d12	14.010	240	300165	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	224499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	491124	43.766	ng	0.00
7) Phenol-d6	6.451	99	596324	42.651	ng	0.00
23) Nitrobenzene-d5	7.381	82	334200	29.985	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	110064	34.781	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	598695	32.192	ng	0.00
79) Terphenyl-d14	12.951	244	496598	25.710	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.374	178	93008	4.156	ng	99
75) Fluoranthene	12.569	202	186842	8.128	ng	99
78) Pyrene	12.804	202	181829	6.871	ng	99
81) Benzo(a)anthracene	13.998	228	76249	3.837	ng	# 93
83) Chrysene	14.033	228	81161m	4.147	ng	
87) Indeno(1,2,3-cd)pyrene	17.015	276	35590	2.426	ng	95
88) Benzo(b)fluoranthene	15.063	252	73019m	5.497	ng	
89) Benzo(k)fluoranthene	15.092	252	26979m	2.053	ng	
90) Benzo(a)pyrene	15.439	252	50677	4.106	ng	# 87
92) Benzo(g,h,i)perylene	17.474	276	37467	5.468	ng	# 89

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

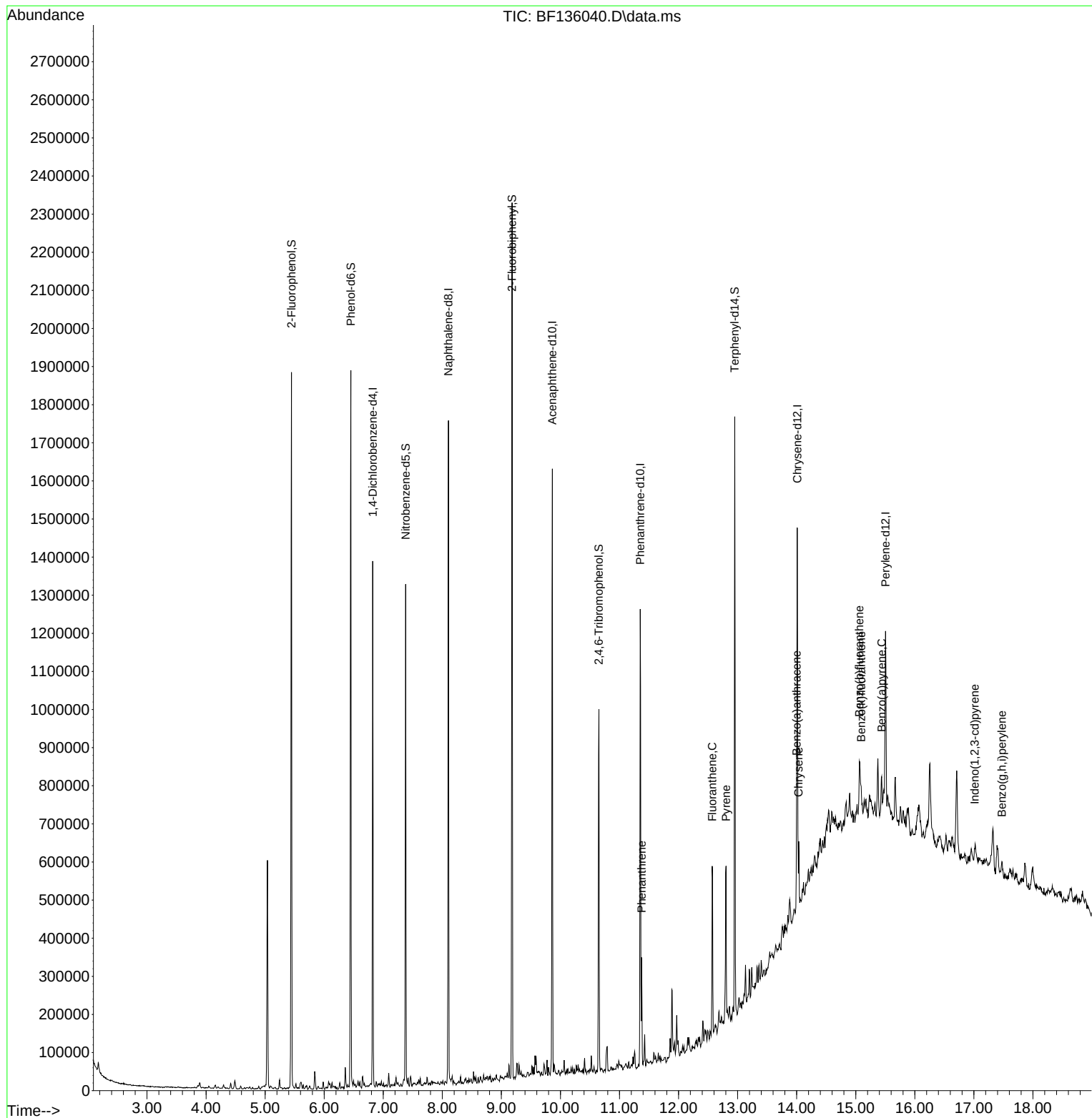
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136040.D
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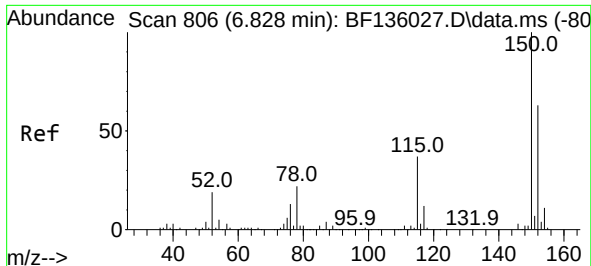
Instrument :
BNA_F
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Quant Time: Oct 31 01:42:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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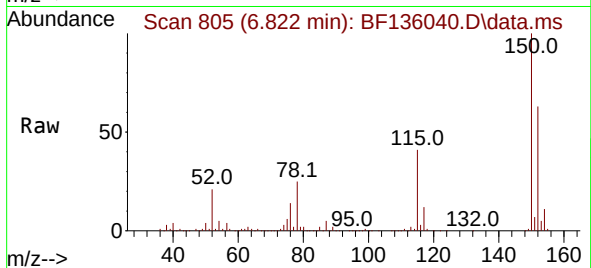
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

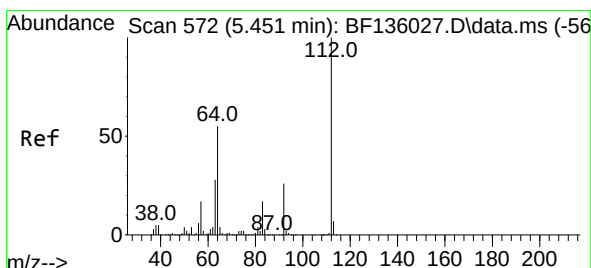
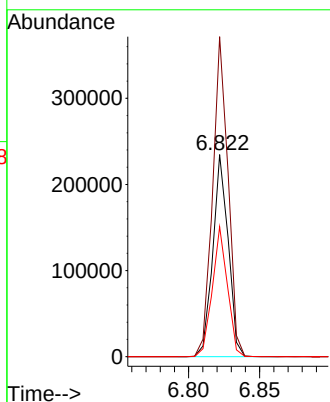
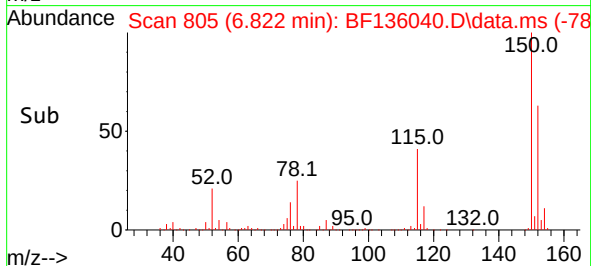
Instrument :
BNA_F
ClientSampleId :
OR-03-101623RE



Tgt Ion:152 Resp: 176339
Ion Ratio Lower Upper
152 100
150 158.3 126.4 189.6
115 64.2 47.0 70.4

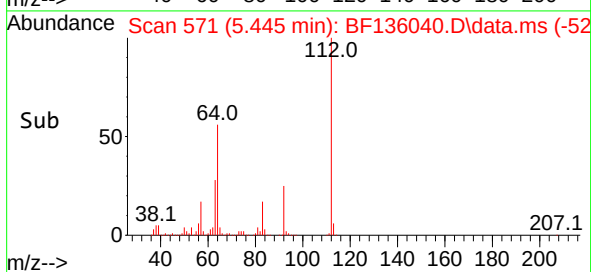
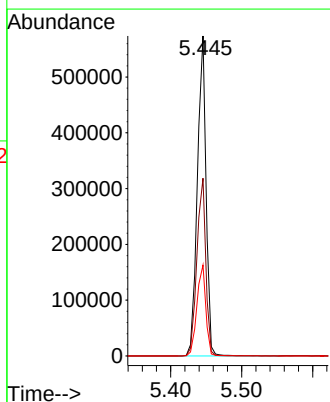
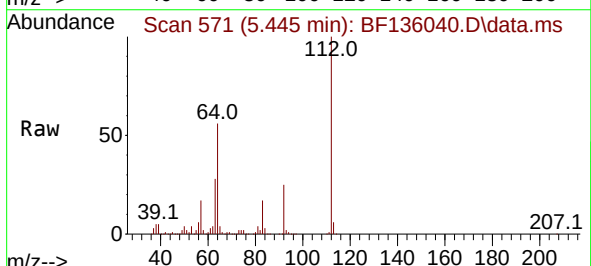
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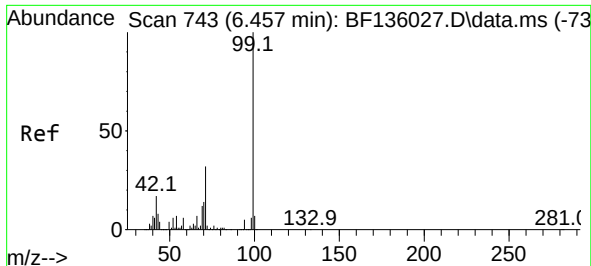
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#5
2-Fluorophenol
Concen: 43.766 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

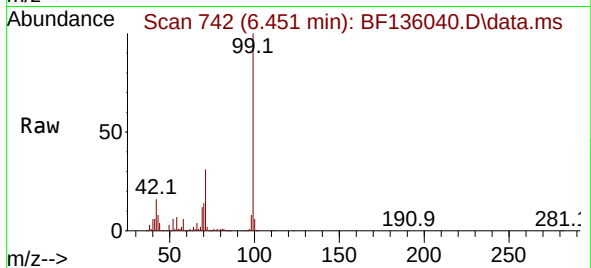
Tgt Ion:112 Resp: 491124
Ion Ratio Lower Upper
112 100
64 55.6 43.9 65.9
63 28.4 22.4 33.6





#7
Phenol-d6
Concen: 42.651 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

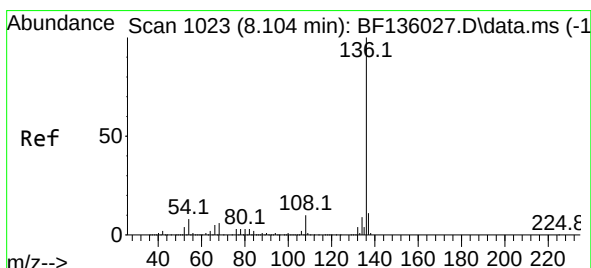
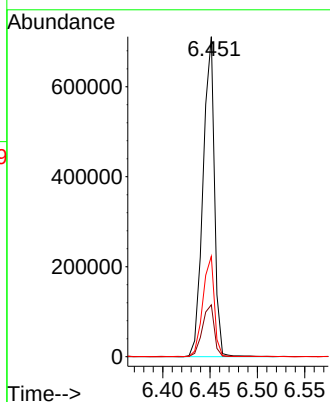
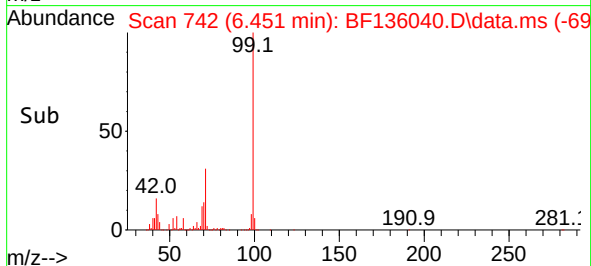
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Tgt Ion: 99 Resp: 596324
Ion Ratio Lower Upper
99 100
42 16.2 13.7 20.5
71 31.4 25.9 38.9

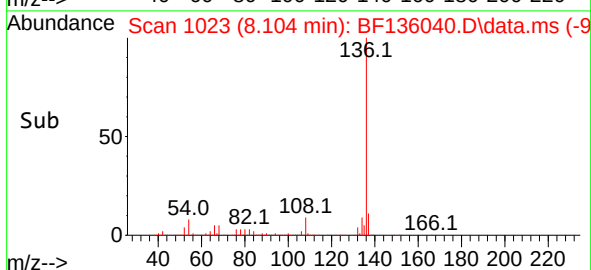
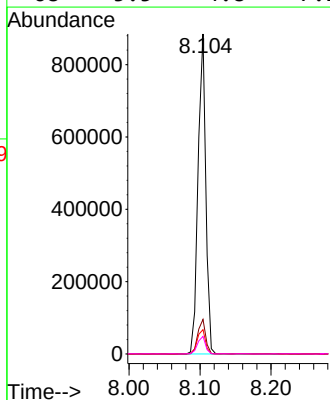
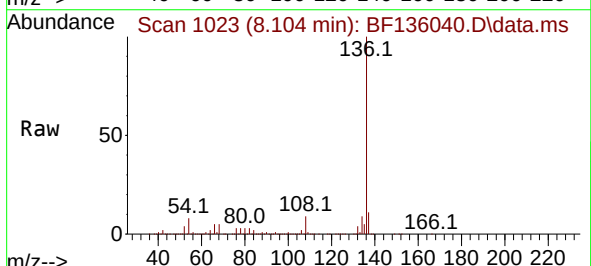
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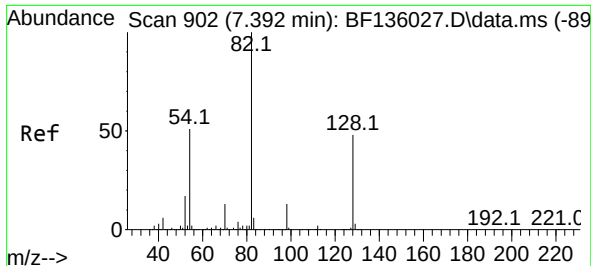
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Tgt Ion:136 Resp: 671886
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.6 6.6 9.8
68 5.5 4.8 7.2





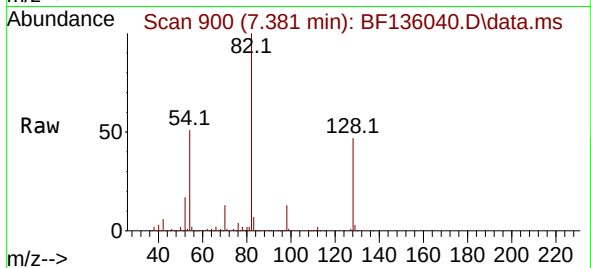
#23
Nitrobenzene-d5
Concen: 29.985 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Instrument :

BNA_F

ClientSampleId :

OR-03-101623RE

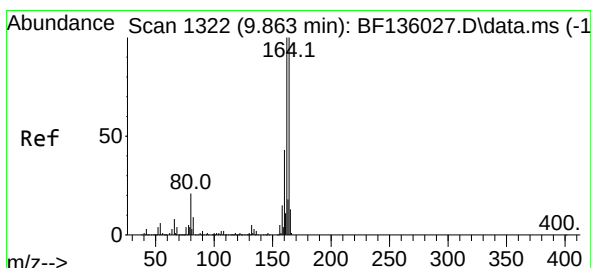
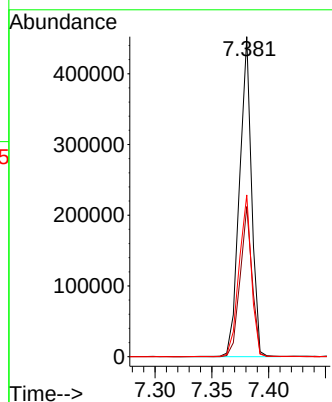
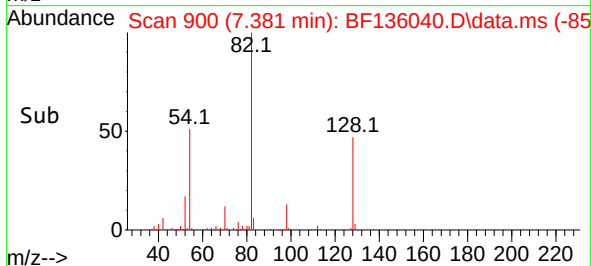


Tgt Ion: 82 Resp: 334200
Ion Ratio Lower Upper
82 100
128 46.9 38.6 57.8
54 50.5 40.8 61.2

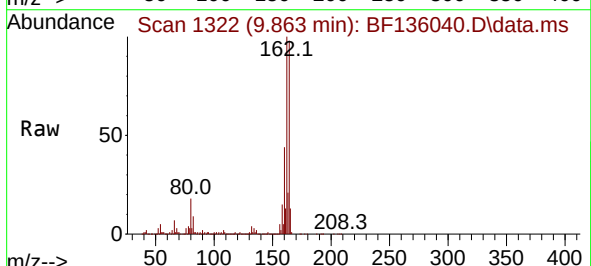
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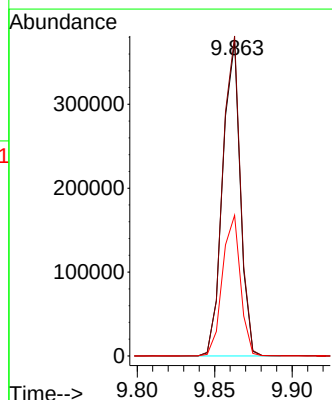
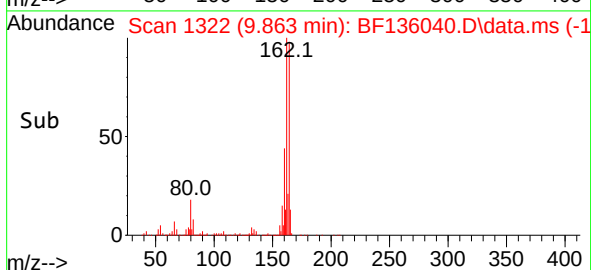
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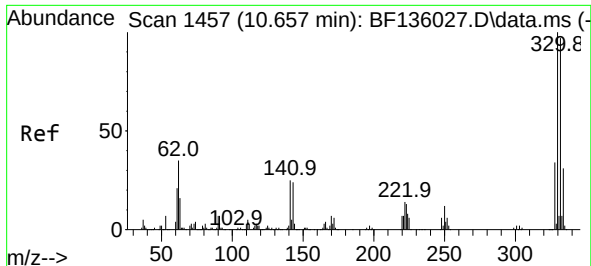


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33



Tgt Ion:164 Resp: 296469
Ion Ratio Lower Upper
164 100
162 101.8 80.1 120.1
160 44.7 34.8 52.2





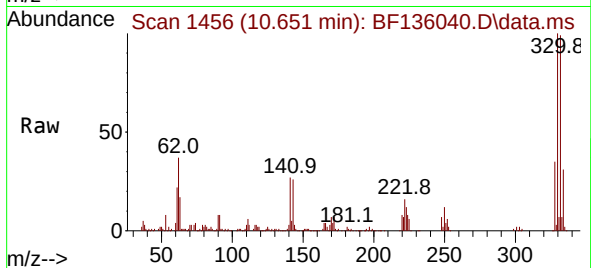
#42
2,4,6-Tribromophenol
Concen: 34.781 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Instrument :

BNA_F

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OR-03-101623RE



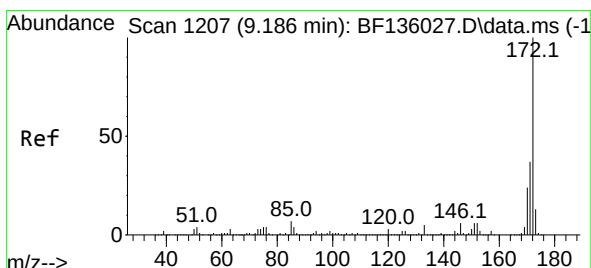
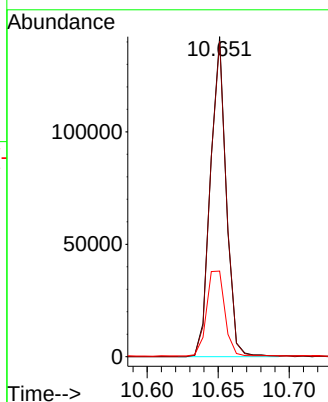
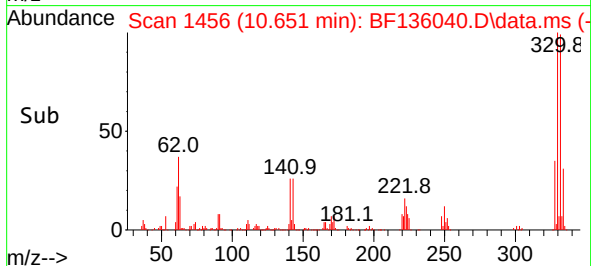
Tgt Ion:330 Resp: 110064
Ion Ratio Lower Upper
330 100
332 99.3 76.9 115.3
141 31.0 23.2 34.8

Manual Integrations

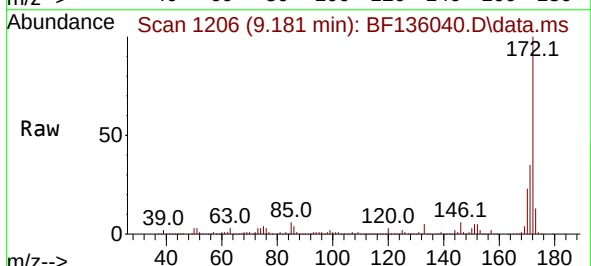
APPROVED

Reviewed By :Yogesh Patel 10/31/2023

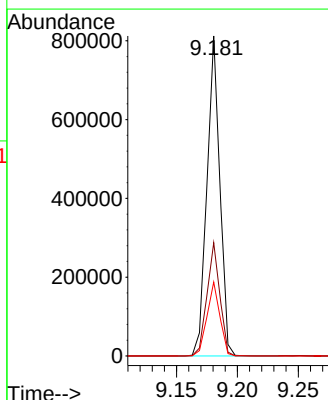
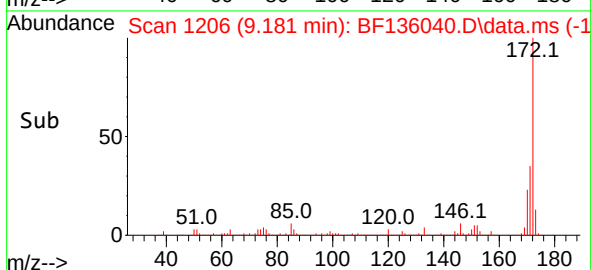
Supervised By :mohammad ahmed 10/31/2023

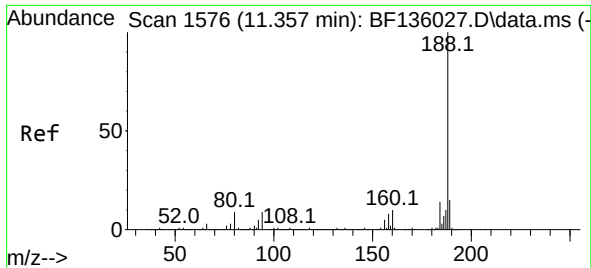


#45
2-Fluorobiphenyl
Concen: 32.192 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33



Tgt Ion:172 Resp: 598695
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.1 19.3 28.9





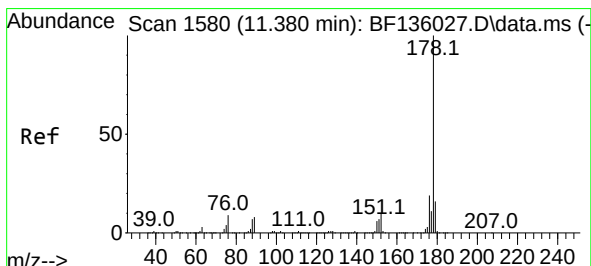
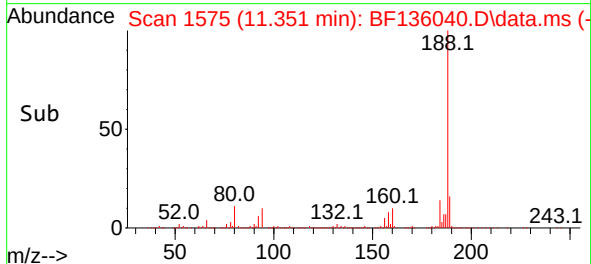
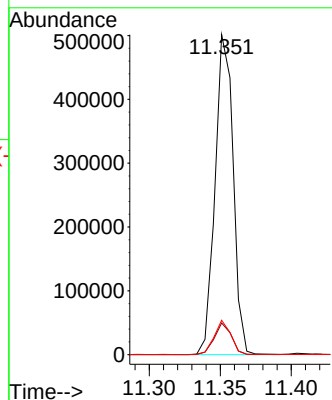
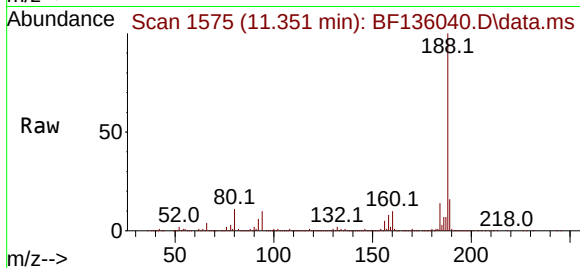
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Instrument :
BNA_F
ClientSampleId :
OR-03-101623RE

Tgt Ion:188 Resp: 444420
Ion Ratio Lower Upper
188 100
94 9.9 7.2 10.8
80 10.7 7.4 11.0

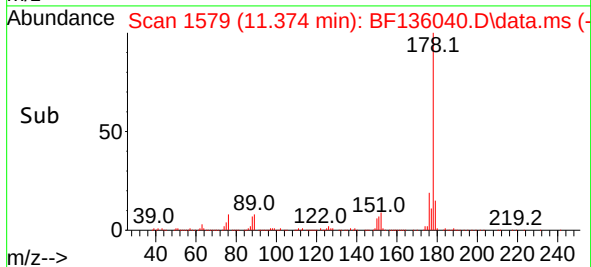
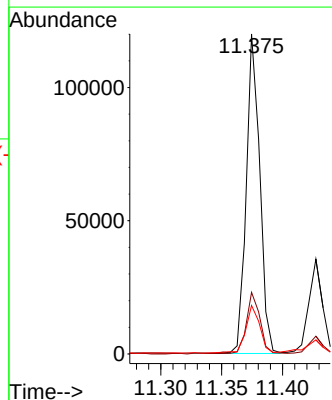
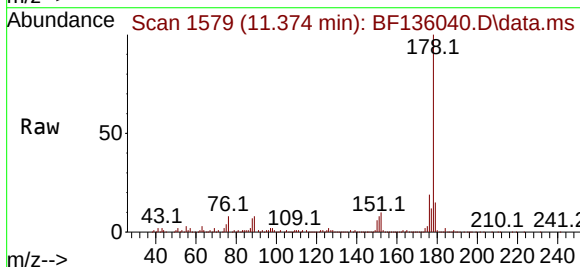
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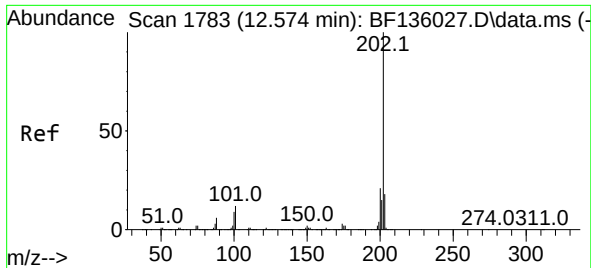
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#71
Phenanthrene
Concen: 4.156 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

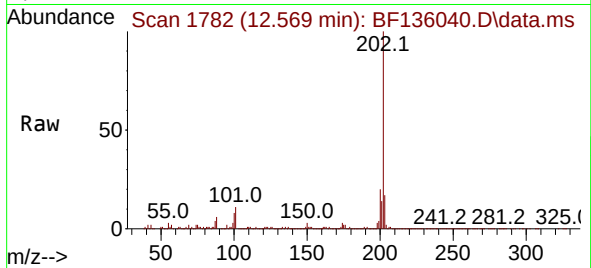
Tgt Ion:178 Resp: 93008
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.9 19.3





#75
Fluoranthene
Concen: 8.128 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

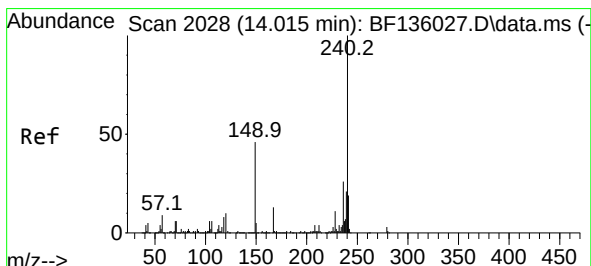
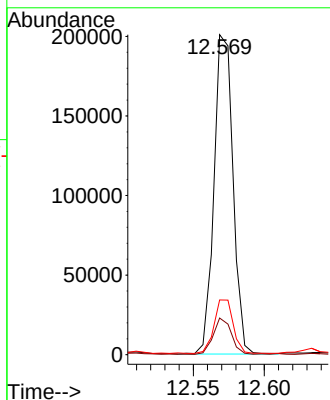
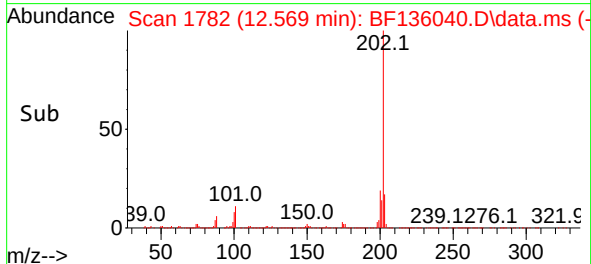
Instrument :
BNA_F
ClientSampleId :
OR-03-101623RE



Tgt Ion:202 Resp: 18684
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.8
203 17.1 0.0 37.9

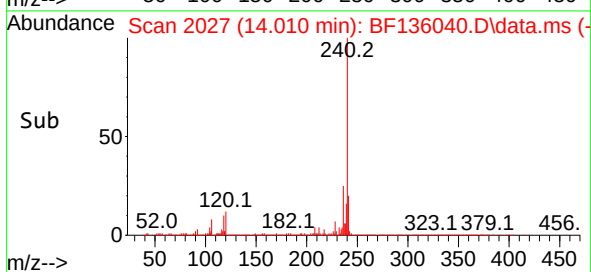
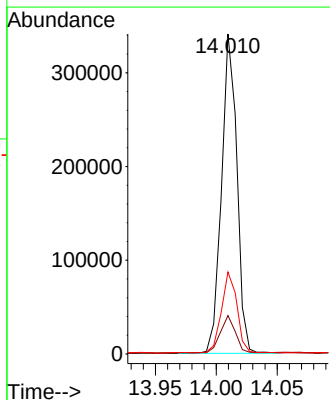
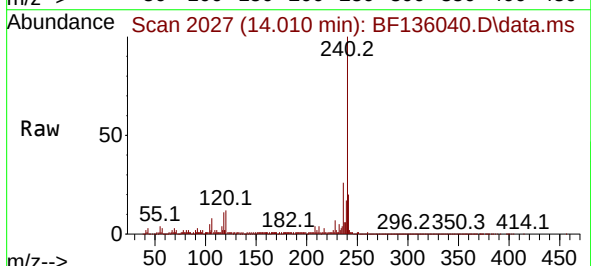
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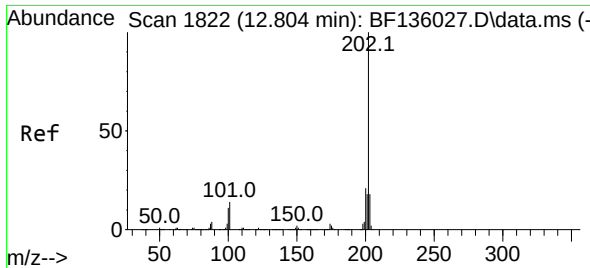
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

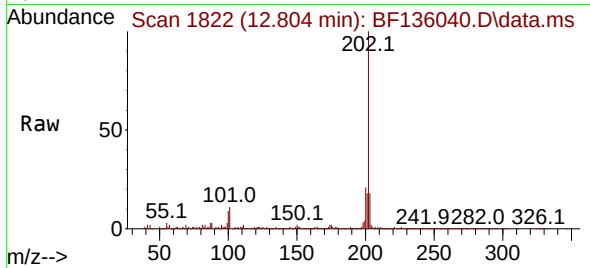
Tgt Ion:240 Resp: 300165
Ion Ratio Lower Upper
240 100
120 12.0 7.6 11.4#
236 25.6 20.6 31.0





#78
 Pyrene
 Concen: 6.871 ng
 RT: 12.804 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF136040.D
 Acq: 30 Oct 2023 21:33

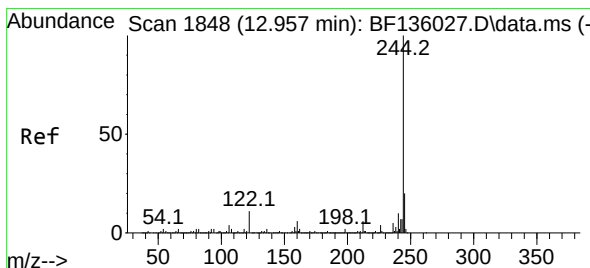
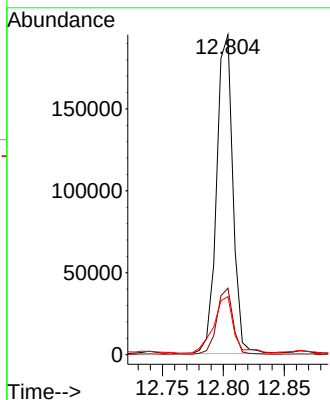
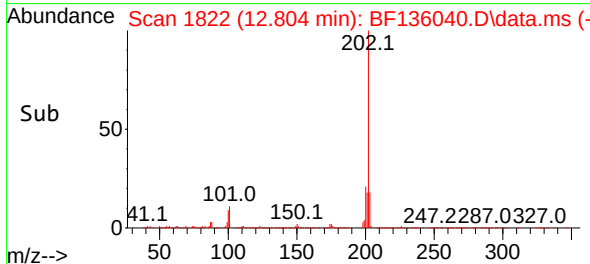
Instrument :
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Tgt Ion:202 Resp: 181829
 Ion Ratio Lower Upper
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 200 20.8 17.0 25.4
 203 18.1 14.4 21.6

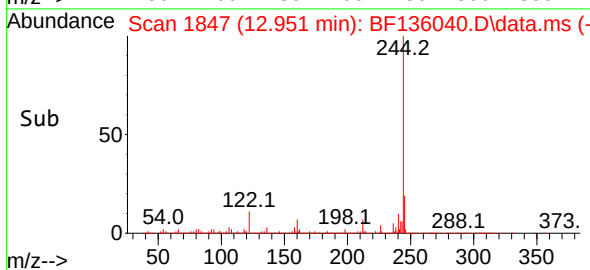
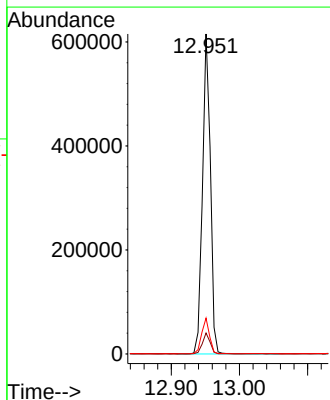
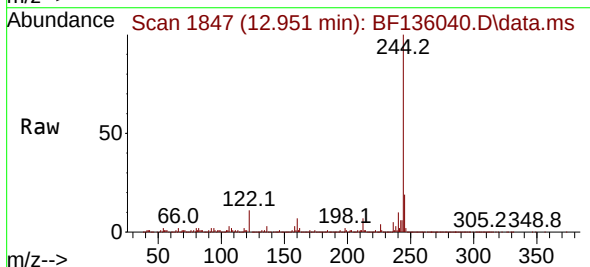
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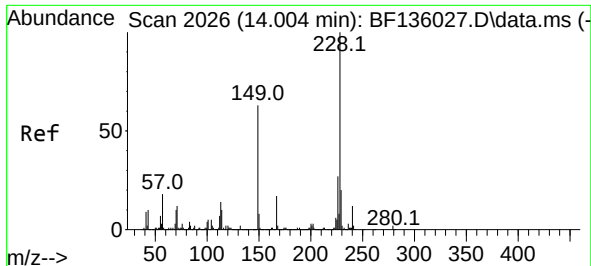
Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



#79
 Terphenyl-d14
 Concen: 25.710 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF136040.D
 Acq: 30 Oct 2023 21:33

Tgt Ion:244 Resp: 496598
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.2 8.6 12.8





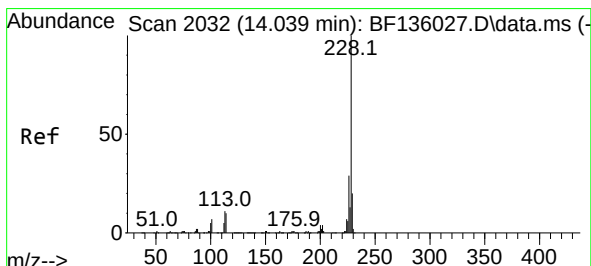
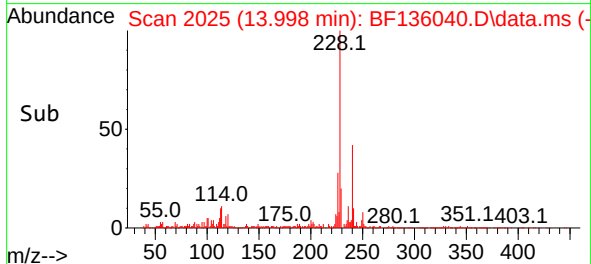
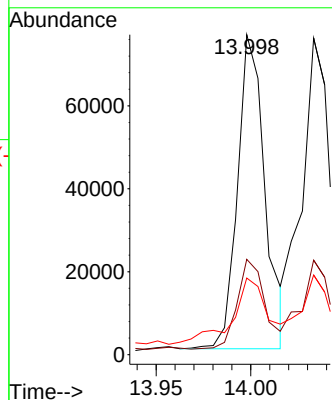
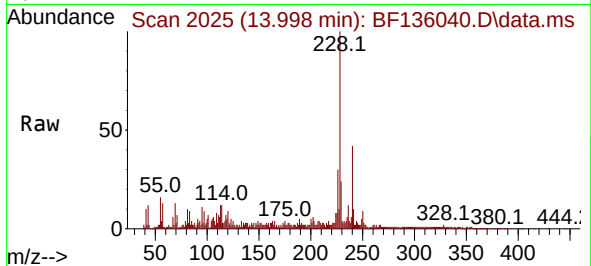
#81
Benzo(a)anthracene
Concen: 3.837 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Instrument :
BNA_F
ClientSampleId :
OR-03-101623RE

Tgt Ion:228 Resp: 76249
Ion Ratio Lower Upper
228 100
226 29.8 21.5 32.3
229 24.0 15.8 23.6

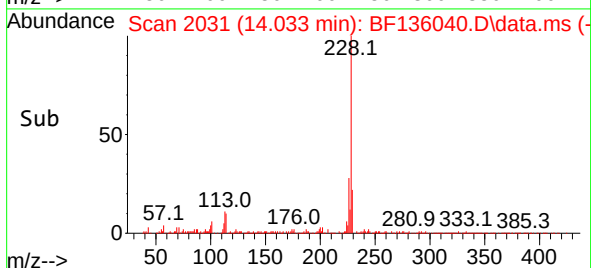
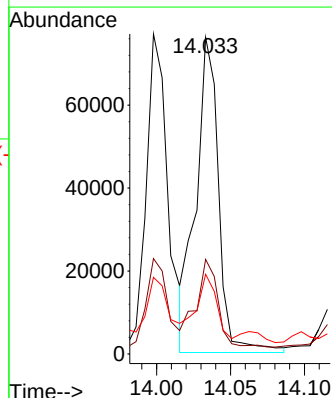
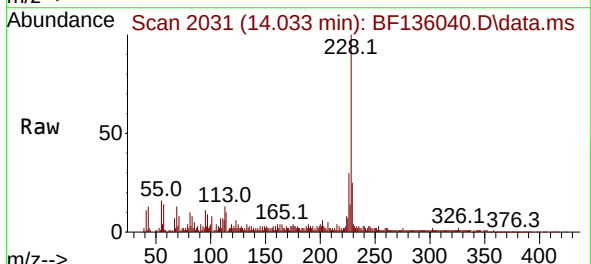
Manual Integrations
APPROVED

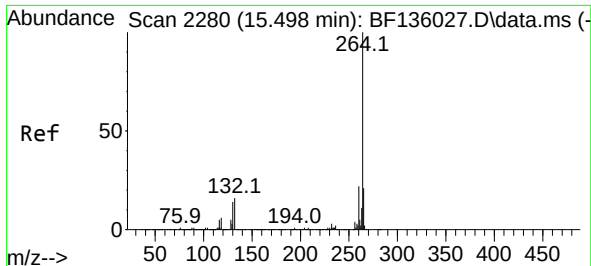
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#83
Chrysene
Concen: 4.147 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Tgt Ion:228 Resp: 81161
Ion Ratio Lower Upper
228 100
226 29.8 23.5 35.3
229 25.2 16.0 24.0#





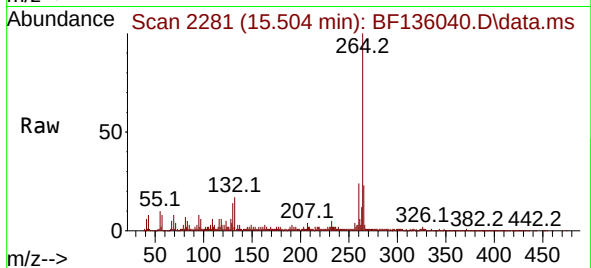
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Instrument :

BNA_F

ClientSampleId :

OR-03-101623RE

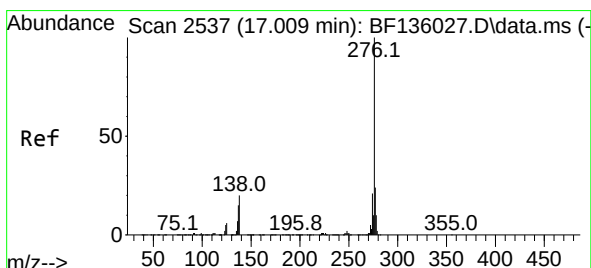
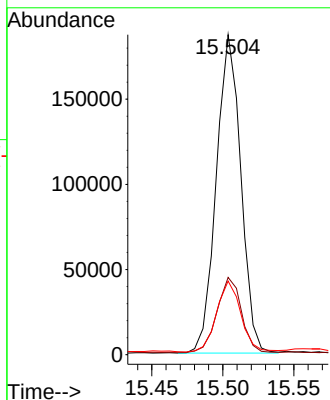
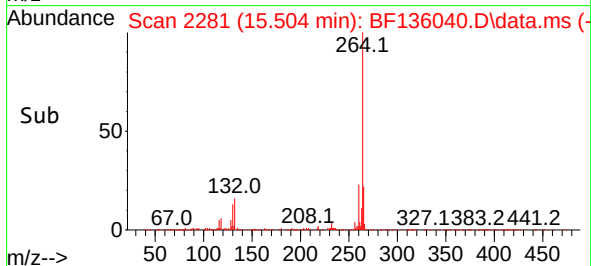


Tgt Ion:264 Resp: 224499
Ion Ratio Lower Upper
264 100
260 24.1 17.9 26.9
265 23.0 16.8 25.2

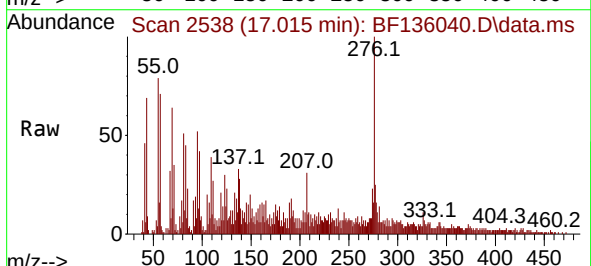
Manual Integrations

APPROVED

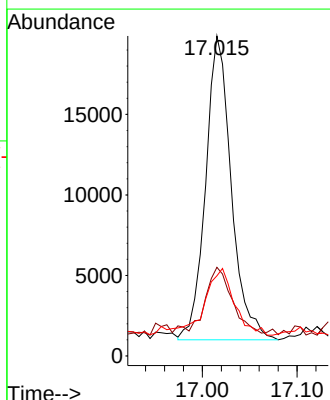
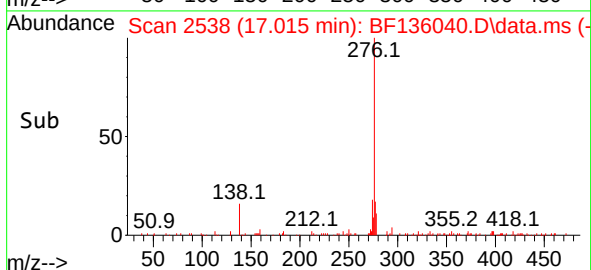
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

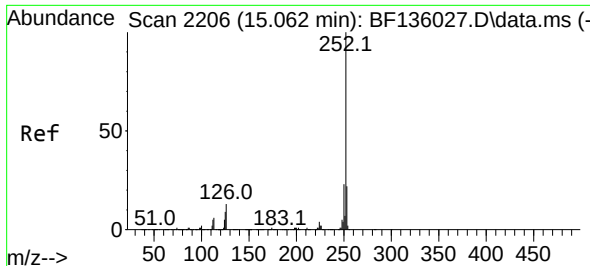


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.426 ng
RT: 17.015 min Scan# 2538
Delta R.T. 0.006 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33



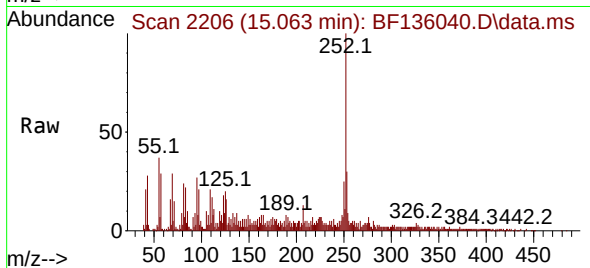
Tgt Ion:276 Resp: 35590
Ion Ratio Lower Upper
276 100
138 21.6 20.4 30.6
277 26.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 5.497 ng m
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

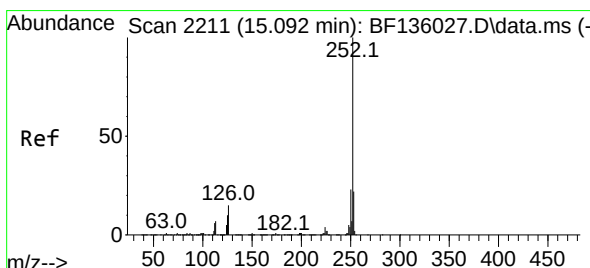
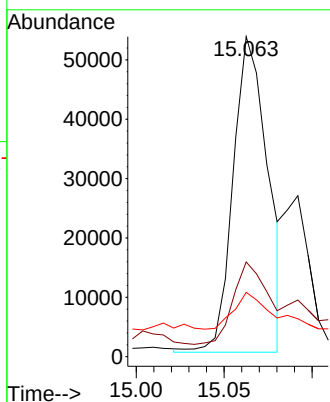
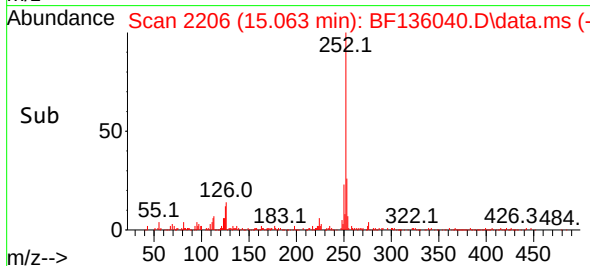
Instrument :
BNA_F
ClientSampleId :
OR-03-101623RE



Tgt Ion:252 Resp: 73019
Ion Ratio Lower Upper
252 100
253 29.6 17.7 26.5
125 20.1 7.5 11.3

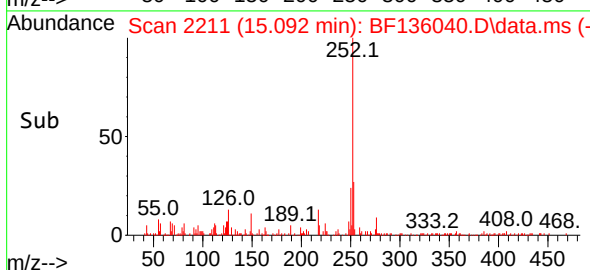
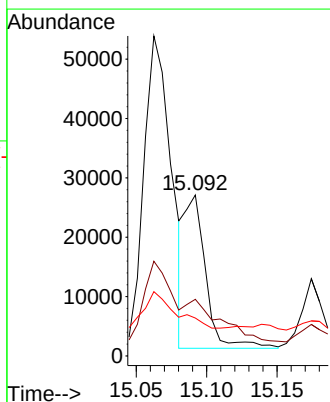
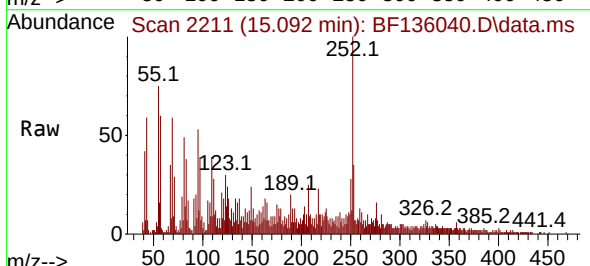
Manual Integrations
APPROVED

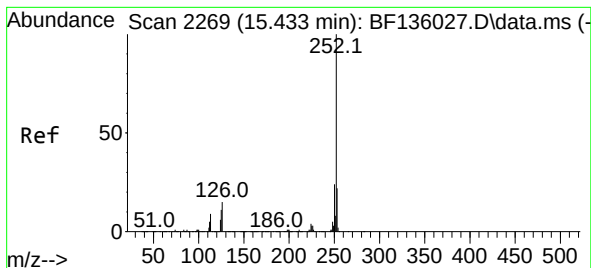
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#89
Benzo(k)fluoranthene
Concen: 2.053 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF136040.D
Acq: 30 Oct 2023 21:33

Tgt Ion:252 Resp: 26979
Ion Ratio Lower Upper
252 100
253 35.1 17.4 26.0#
125 23.6 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 4.106 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136040.D

Acq: 30 Oct 2023 21:33

Instrument :

BNA_F

ClientSampleId :

OR-03-101623RE

Tgt Ion:252 Resp: 5067

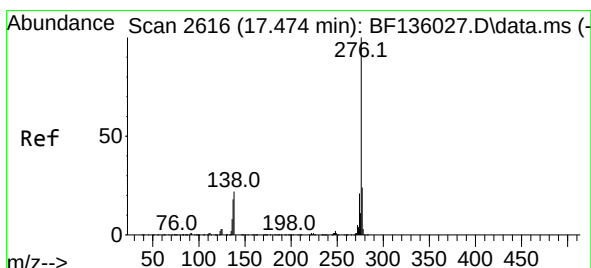
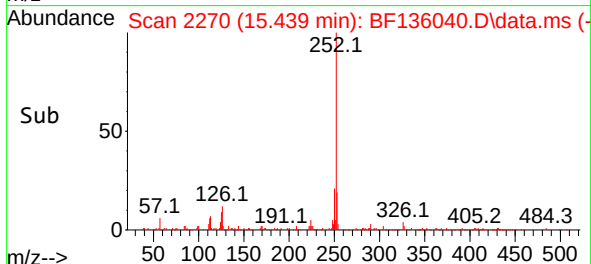
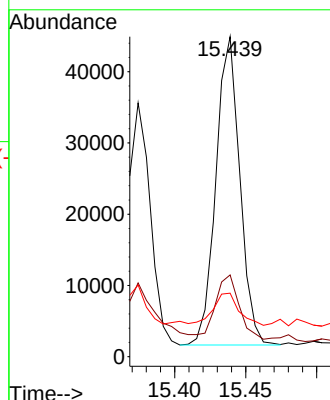
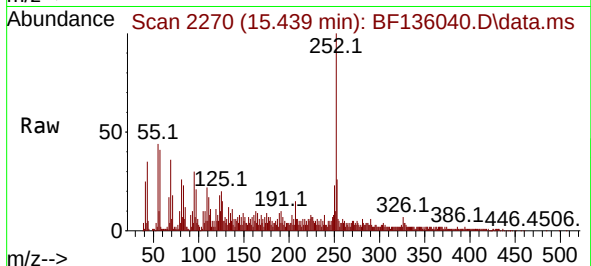
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.3	25.9
125	19.9	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023



#92

Benzo(g,h,i)perylene

Concen: 5.468 ng

RT: 17.474 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF136040.D

Acq: 30 Oct 2023 21:33

Tgt Ion:276 Resp: 37467

Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.0	28.4#
138	26.2	17.4	26.2#

