

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136156.D
 Acq On : 06 Nov 2023 15:57
 Operator : CG\JU
 Sample : 05257-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 16:23:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	89600	20.000	ng	0.00
21) Naphthalene-d8	8.099	136	348882	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	179389	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	301979	20.000	ng	0.00
76) Chrysene-d12	14.004	240	179512	20.000	ng	0.00
86) Perylene-d12	15.492	264	201329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	734545	128.825	ng	0.01
7) Phenol-d6	6.457	99	908503	127.882	ng	0.00
23) Nitrobenzene-d5	7.381	82	586428	101.328	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	260059	135.818	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1084990	96.415	ng	0.00
79) Terphenyl-d14	12.951	244	908283	78.630	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.369	178	49420	3.250	ng	98
75) Fluoranthene	12.563	202	86950	5.567	ng	98
78) Pyrene	12.798	202	78661	4.970	ng	98
81) Benzo(a)anthracene	13.992	228	36733	3.091	ng	96
83) Chrysene	14.028	228	37295	3.187	ng	99
88) Benzo(b)fluoranthene	15.057	252	55294m	4.641	ng	
90) Benzo(a)pyrene	15.427	252	35657m	3.221	ng	
92) Benzo(g,h,i)perylene	17.451	276	14864	4.033	ng	# 87

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

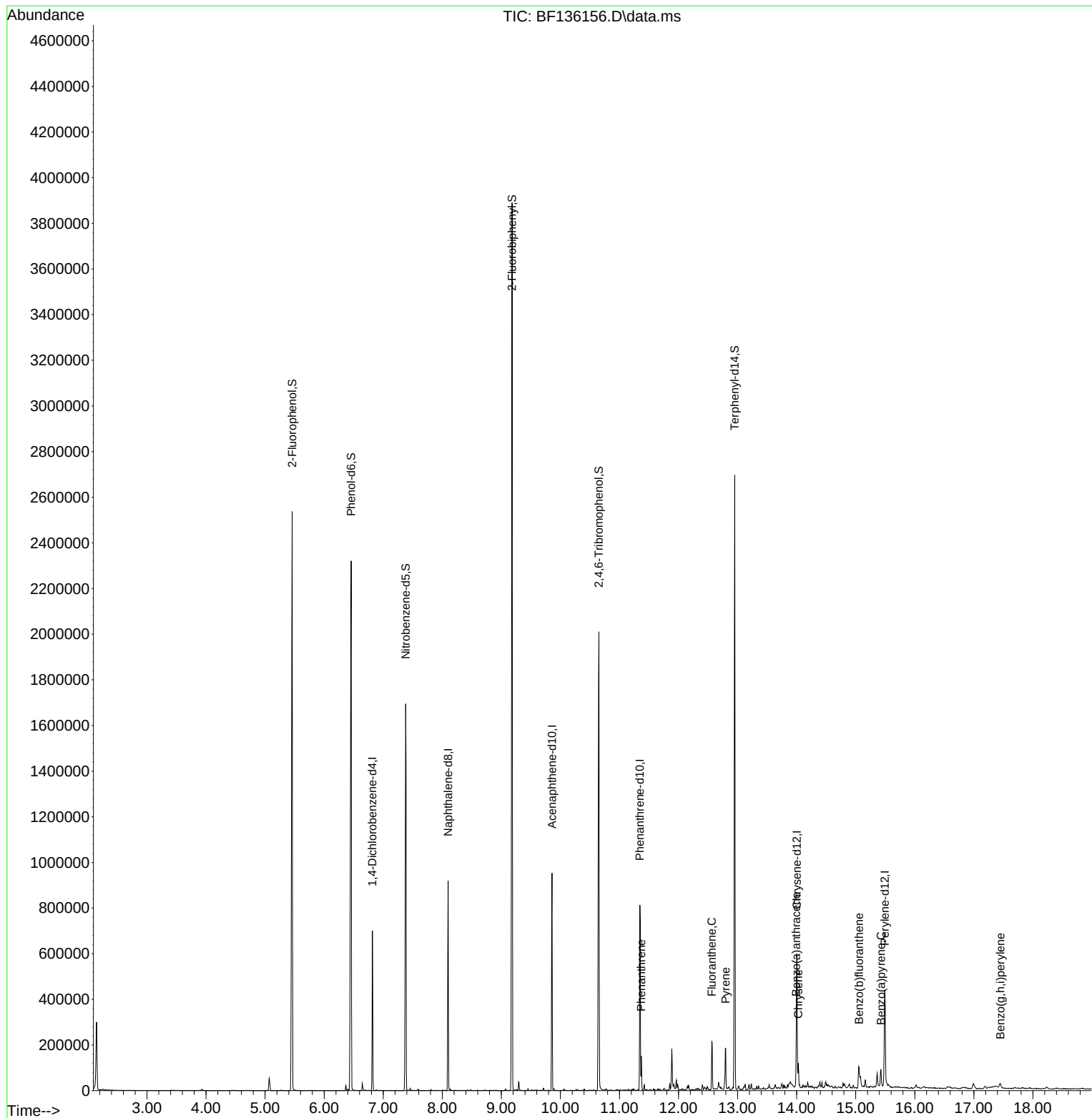
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136156.D
Acq On : 06 Nov 2023 15:57
Operator : CG\JU
Sample : 05257-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

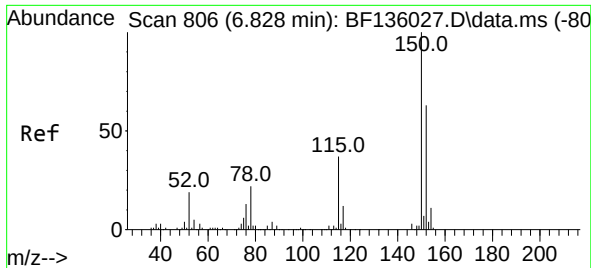
Instrument :
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ClientSampleId :
WC-2

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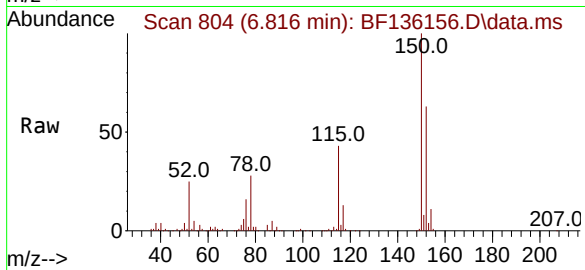
Quant Time: Nov 06 16:23:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

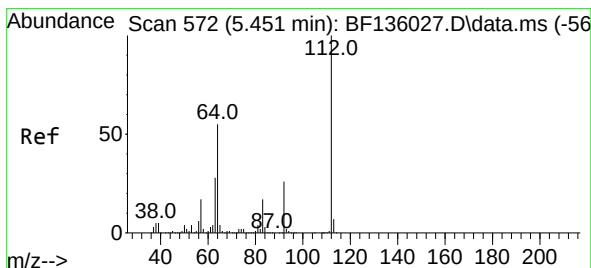
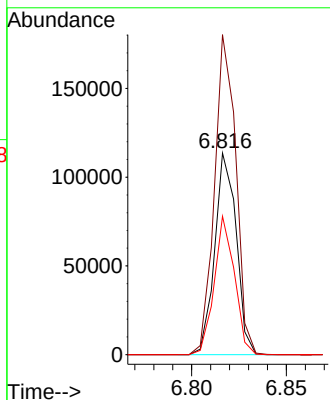
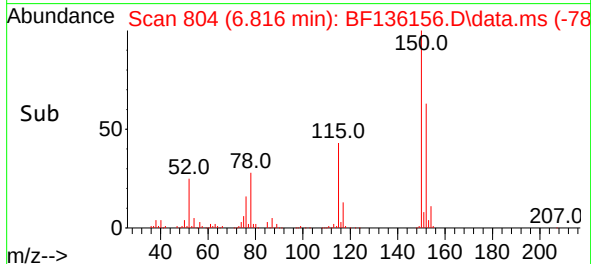
Instrument :
BNA_F
ClientSampleId :
WC-2



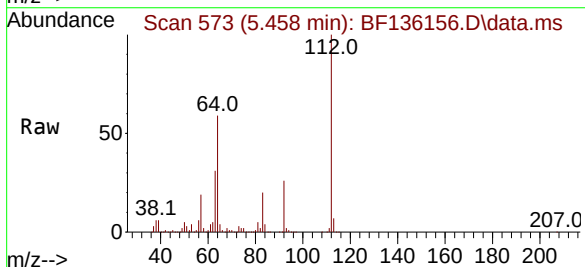
Tgt Ion:152 Resp: 89600
Ion Ratio Lower Upper
152 100
150 158.7 126.4 189.6
115 68.6 47.0 70.4

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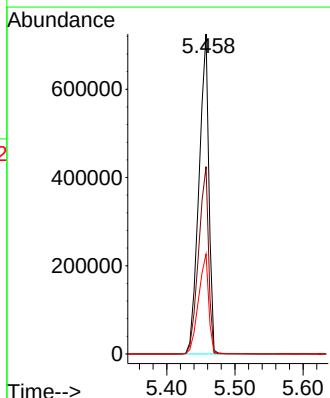
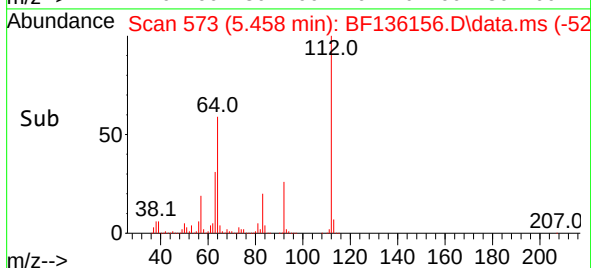
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

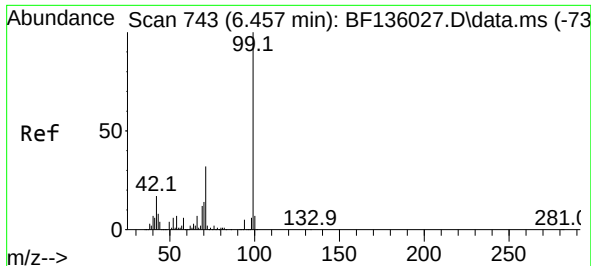


#5
2-Fluorophenol
Concen: 128.825 ng
RT: 5.458 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



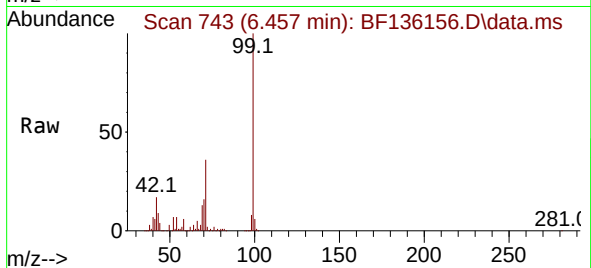
Tgt Ion:112 Resp: 734545
Ion Ratio Lower Upper
112 100
64 58.5 43.9 65.9
63 31.2 22.4 33.6





#7
Phenol-d6
Concen: 127.882 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

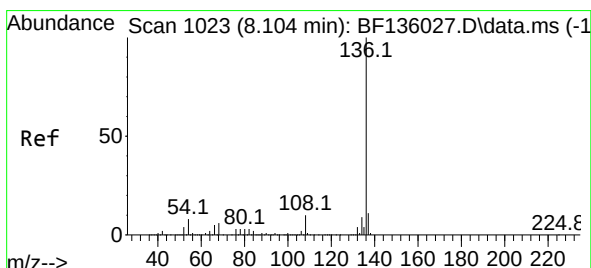
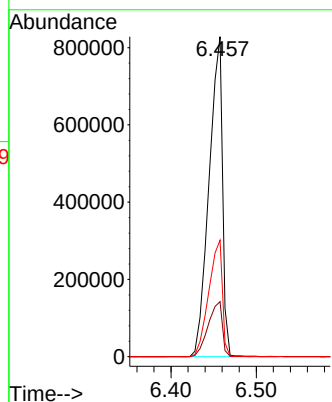
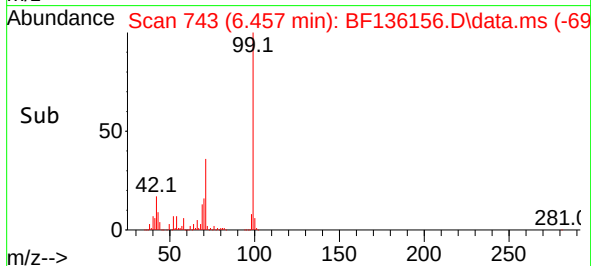
Instrument :
BNA_F
ClientSampleId :
WC-2



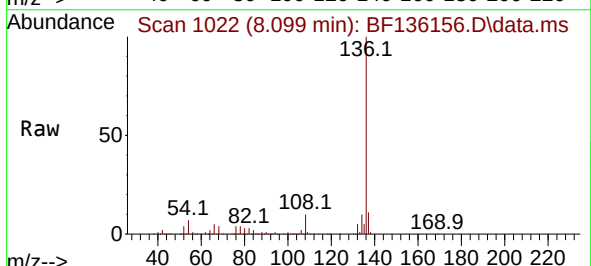
Tgt Ion: 99 Resp: 90850
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 36.4 25.9 38.9

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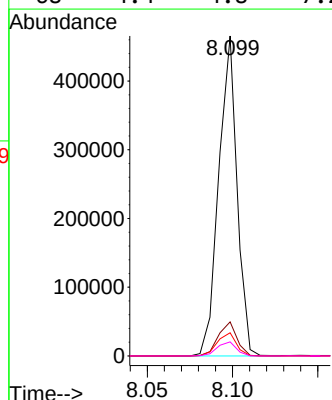
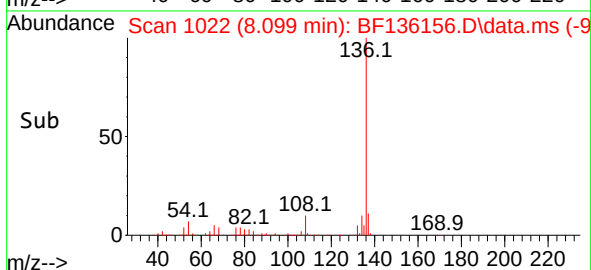
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

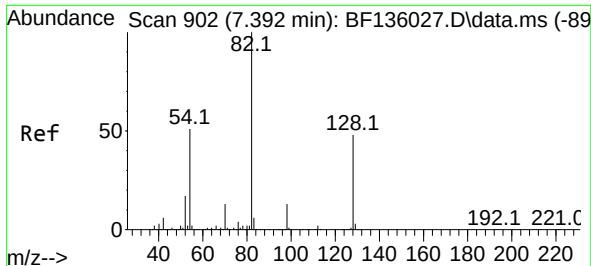


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.099 min Scan# 1022
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



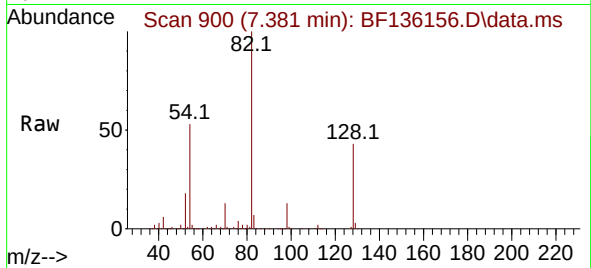
Tgt Ion:136 Resp: 348882
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.2 6.6 9.8
68 4.4 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 101.328 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

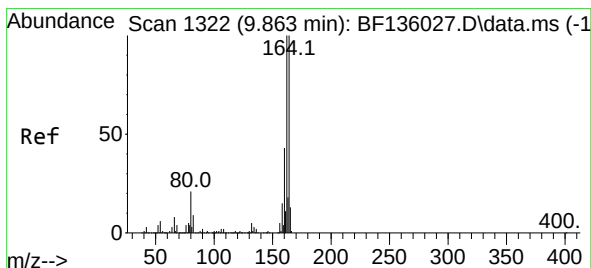
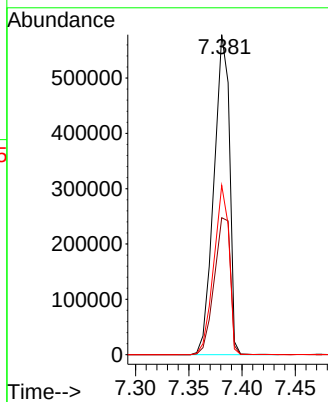
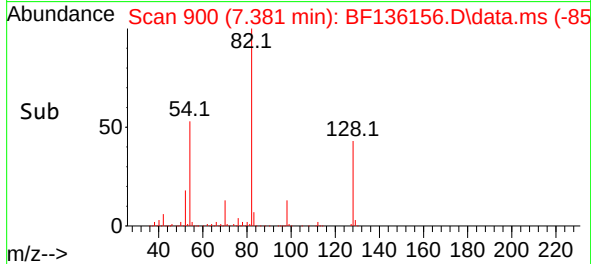
Instrument :
BNA_F
ClientSampleId :
WC-2



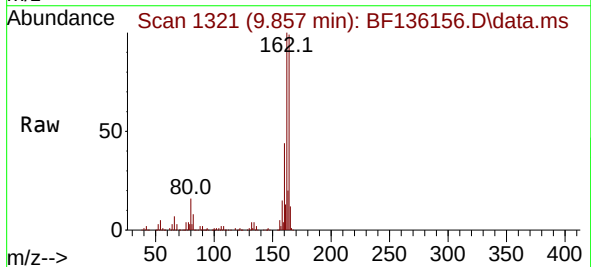
Tgt Ion: 82 Resp: 586428
Ion Ratio Lower Upper
82 100
128 42.8 38.6 57.8
54 52.9 40.8 61.2

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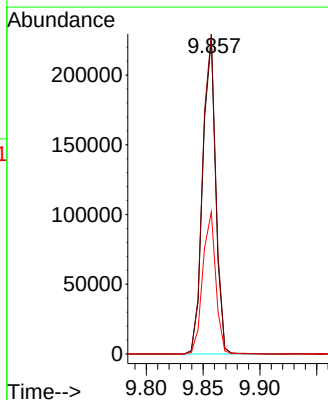
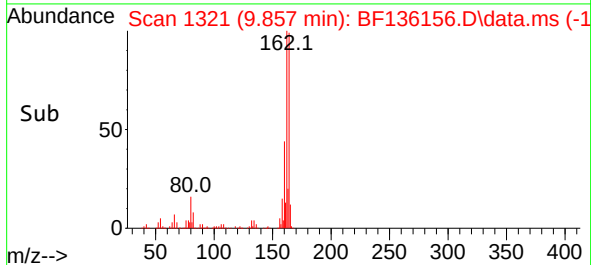
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

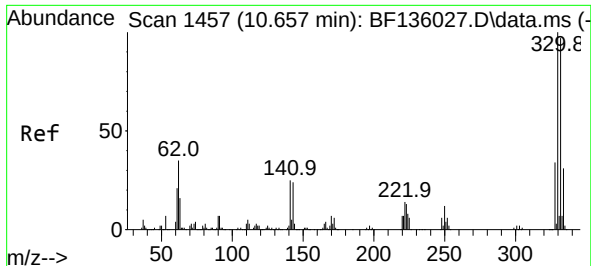


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



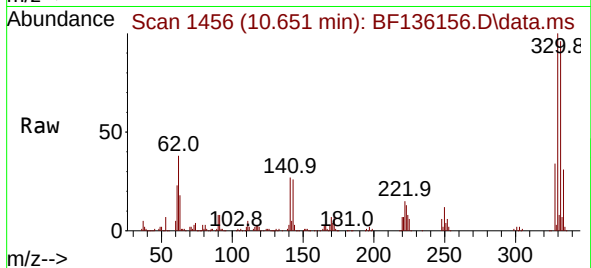
Tgt Ion:164 Resp: 179389
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 44.9 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 135.818 ng
RT: 10.651 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

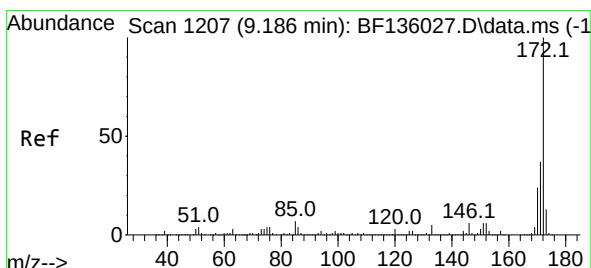
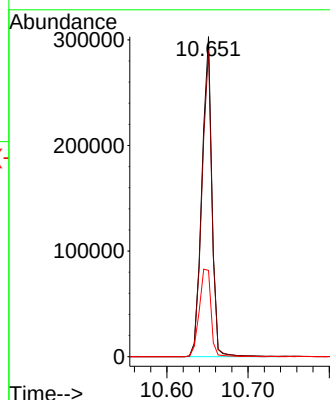
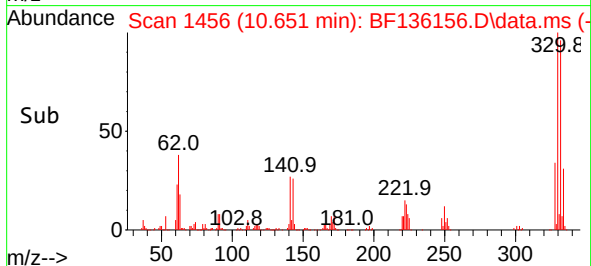
Instrument :
BNA_F
ClientSampleId :
WC-2



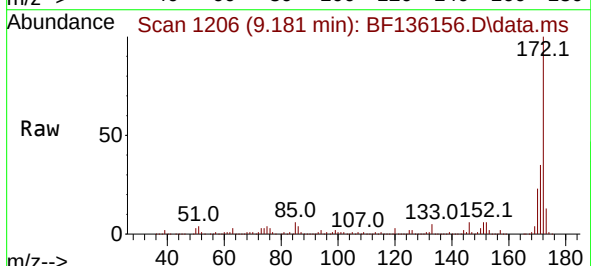
Tgt Ion: 330 Resp: 260059
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 32.0 23.2 34.8

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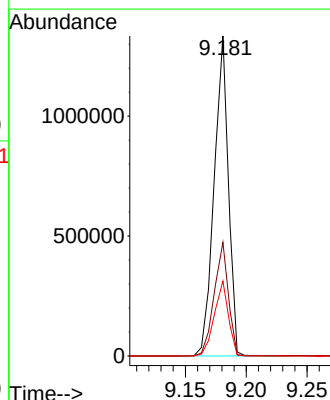
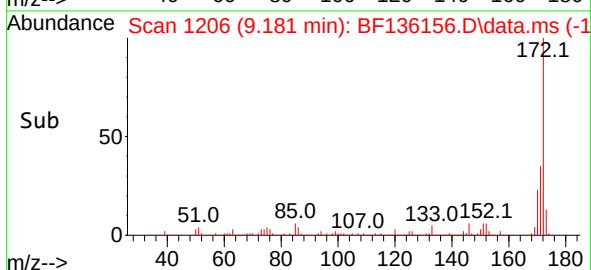
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

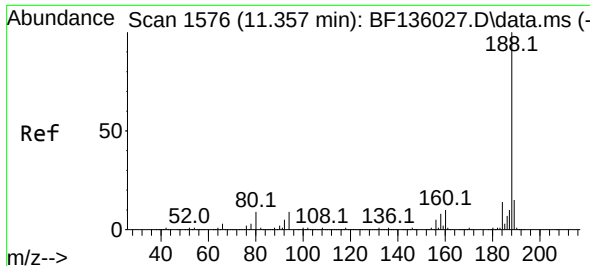


#45
2-Fluorobiphenyl
Concen: 96.415 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



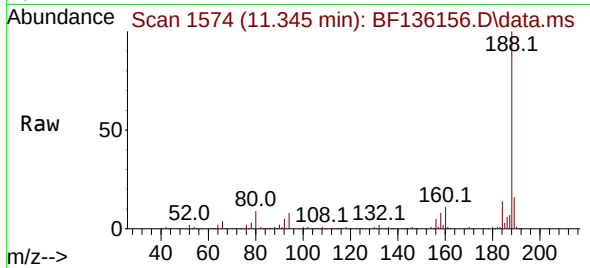
Tgt Ion: 172 Resp: 1084990
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.4 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

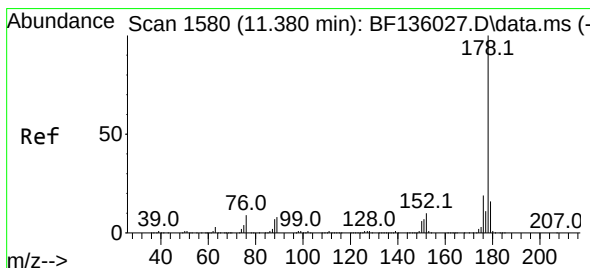
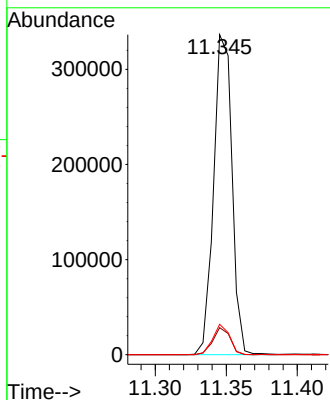
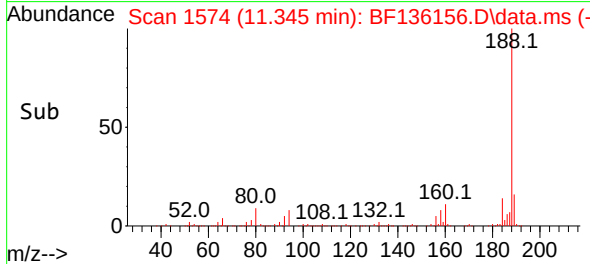
Instrument :
BNA_F
ClientSampleId :
WC-2



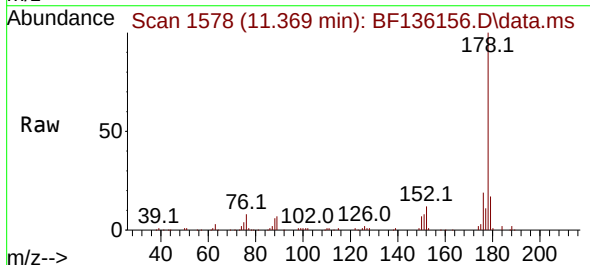
Tgt Ion:188 Resp: 301979
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.5 7.4 11.0

Manual Integrations
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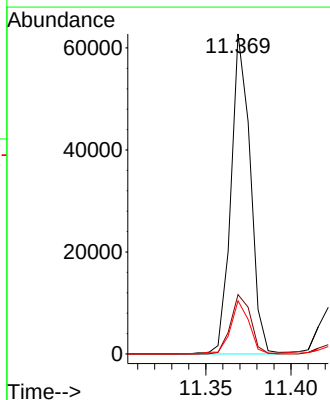
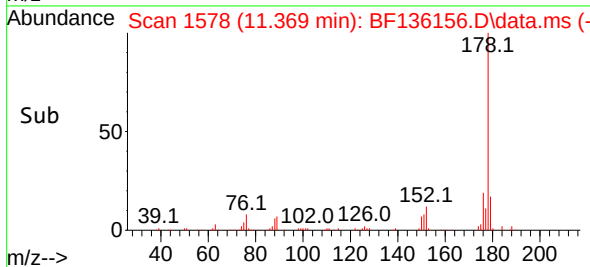
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

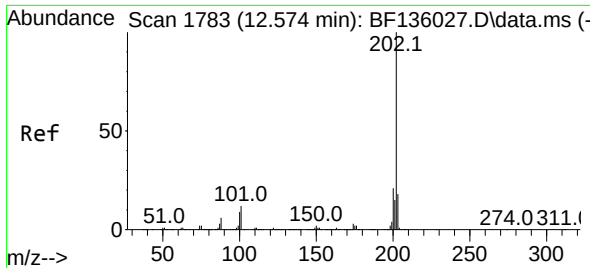


#71
Phenanthrene
Concen: 3.250 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



Tgt Ion:178 Resp: 49420
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 16.6 12.9 19.3





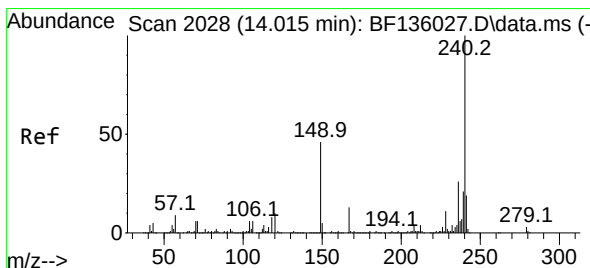
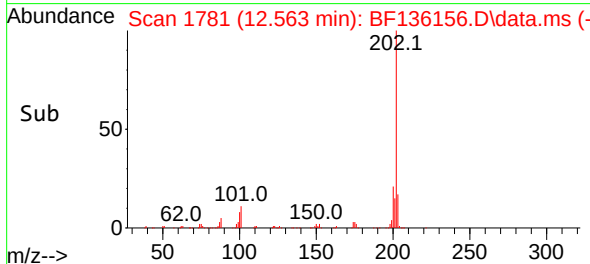
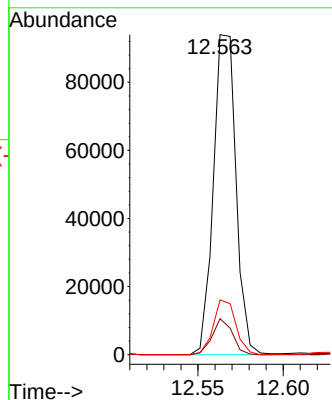
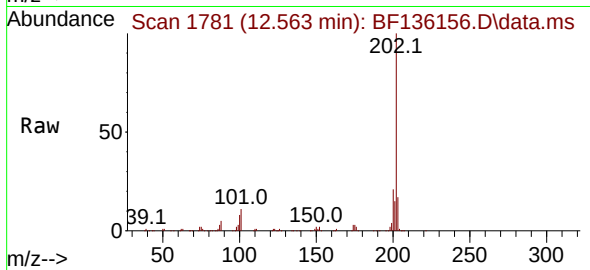
#75
Fluoranthene
Concen: 5.567 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:202 Resp: 86950
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.8
203 17.1 0.0 37.9

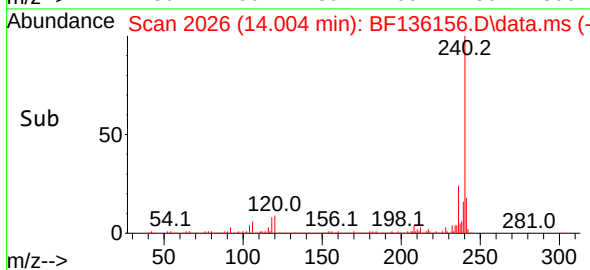
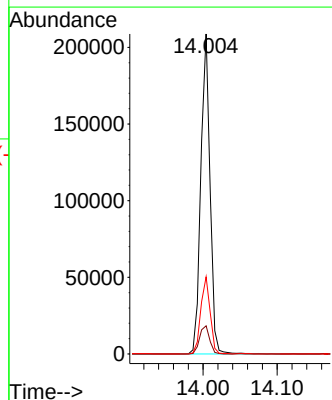
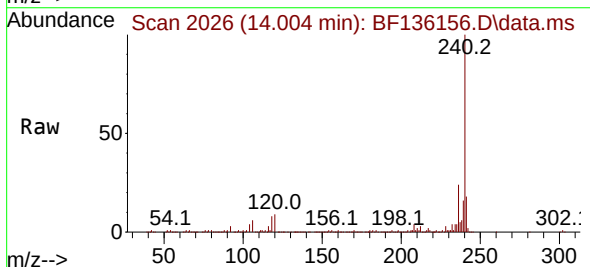
Manual Integrations
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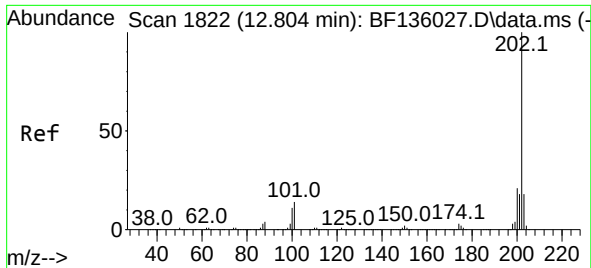
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

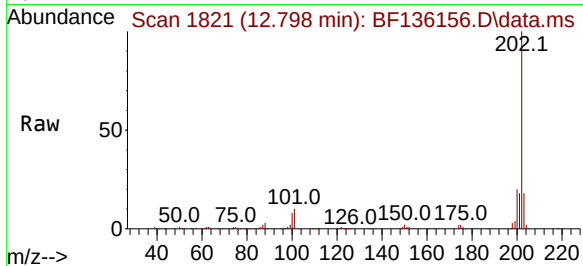
Tgt Ion:240 Resp: 179512
Ion Ratio Lower Upper
240 100
120 8.8 7.6 11.4
236 24.1 20.6 31.0





#78
Pyrene
Concen: 4.970 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

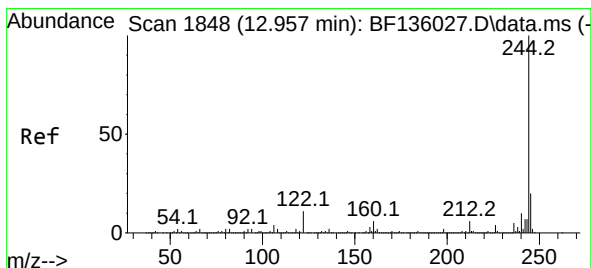
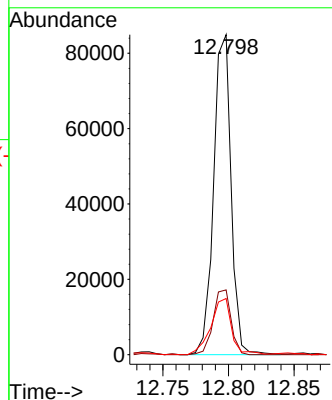
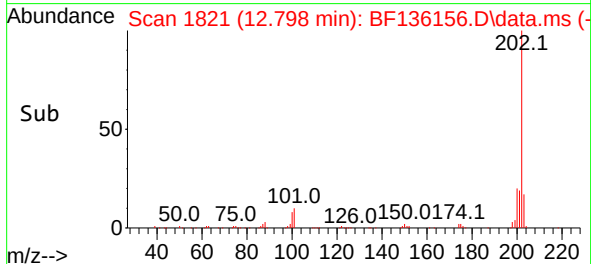
Instrument :
BNA_F
ClientSampleId :
WC-2



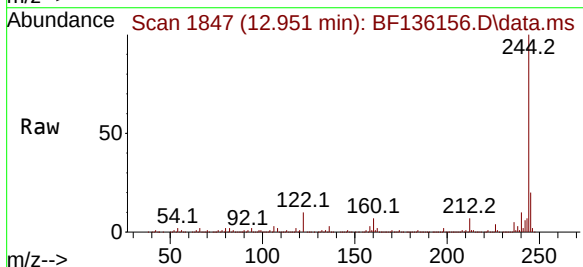
Tgt Ion:202 Resp: 7866
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.4
203 17.5 14.4 21.6

Manual Integrations
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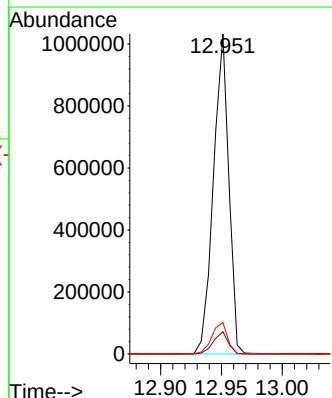
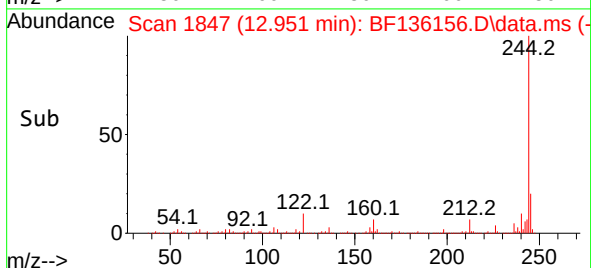
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

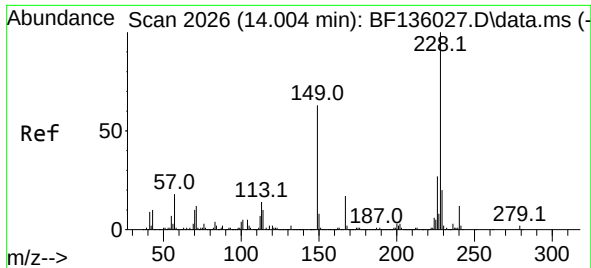


#79
Terphenyl-d14
Concen: 78.630 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



Tgt Ion:244 Resp: 908283
Ion Ratio Lower Upper
244 100
212 7.0 5.1 7.7
122 9.9 8.6 12.8





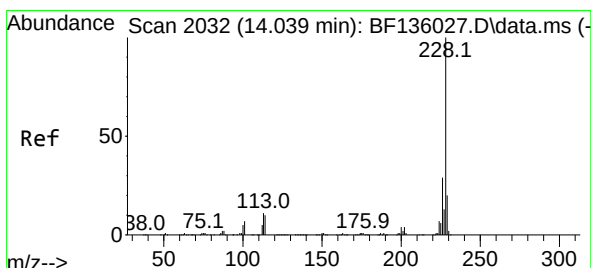
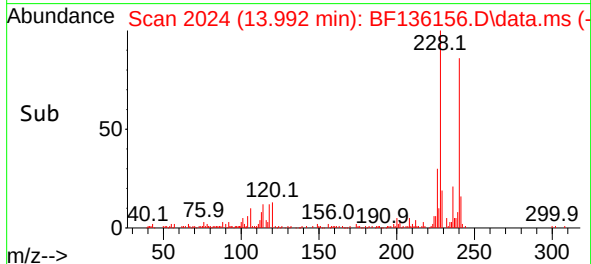
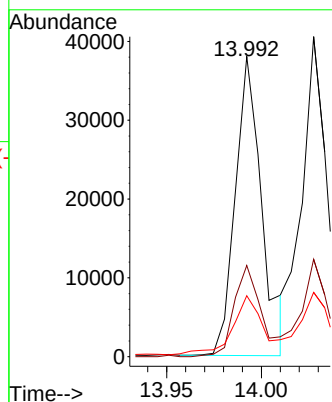
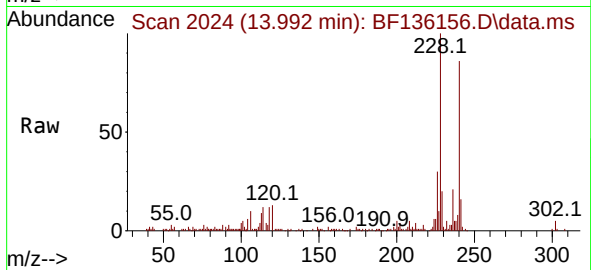
#81
Benzo(a)anthracene
Concen: 3.091 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:228 Resp: 3673
Ion Ratio Lower Upper
228 100
226 30.4 21.5 32.3
229 20.3 15.8 23.6

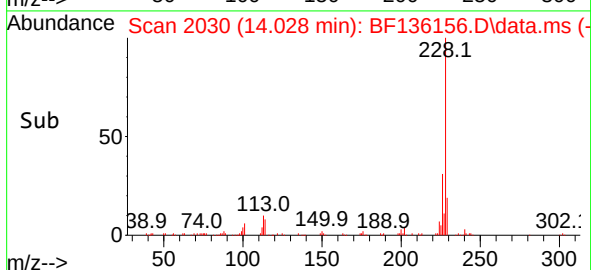
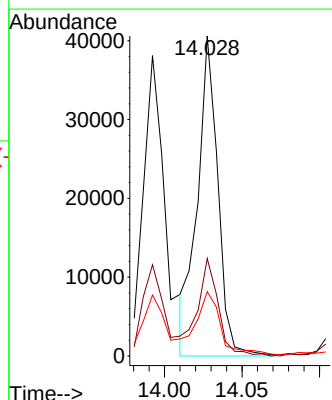
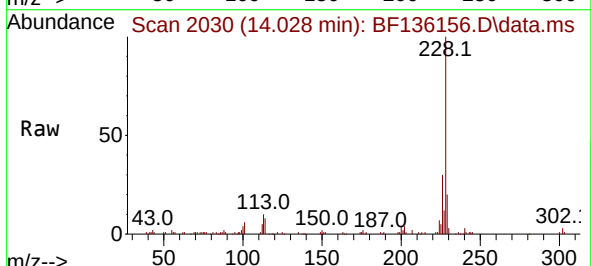
Manual Integrations
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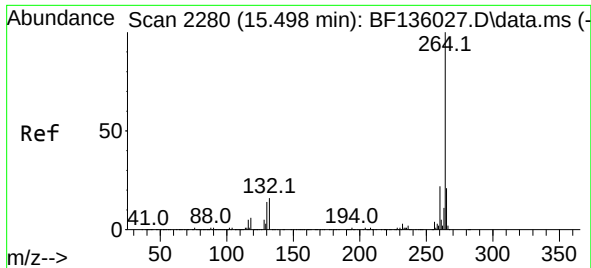
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#83
Chrysene
Concen: 3.187 ng
RT: 14.028 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

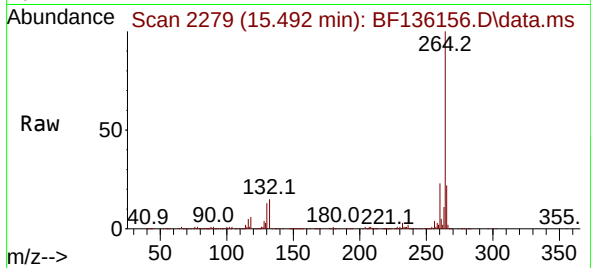
Tgt Ion:228 Resp: 37295
Ion Ratio Lower Upper
228 100
226 30.5 23.5 35.3
229 20.1 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

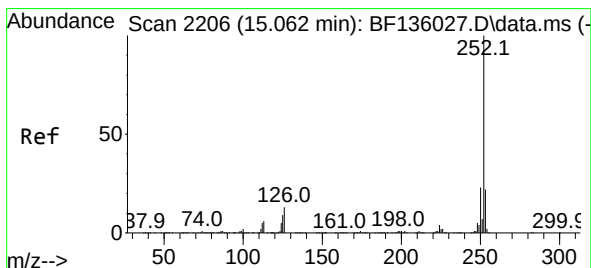
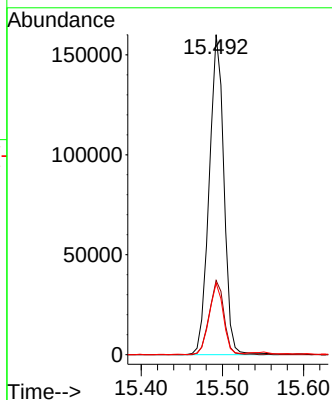
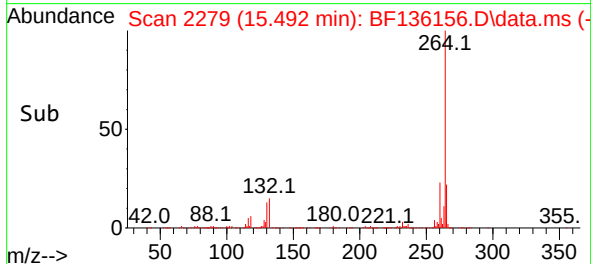
Instrument :
BNA_F
ClientSampleId :
WC-2



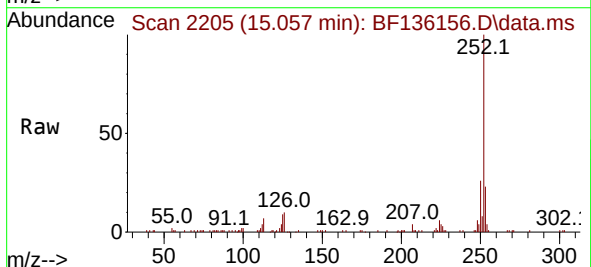
Tgt Ion:264 Resp: 201329
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.3 16.8 25.2

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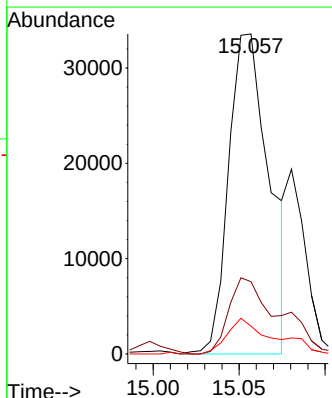
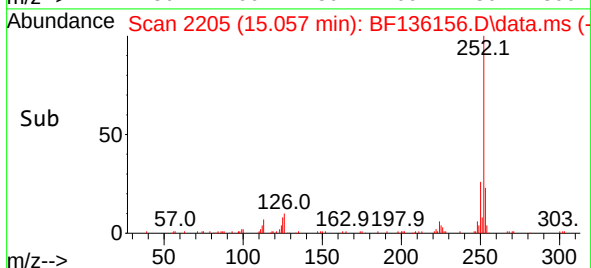
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

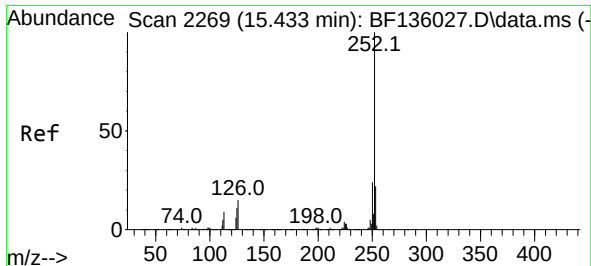


#88
Benzo(b)fluoranthene
Concen: 4.641 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57



Tgt Ion:252 Resp: 55294
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 8.7 7.5 11.3





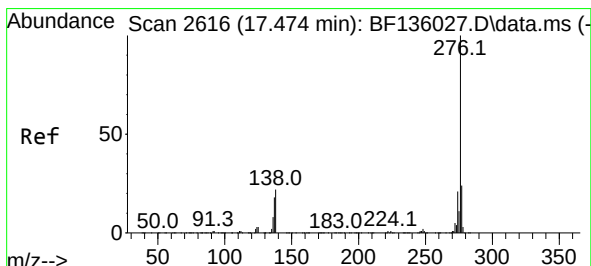
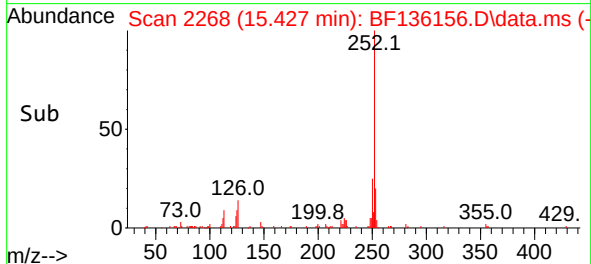
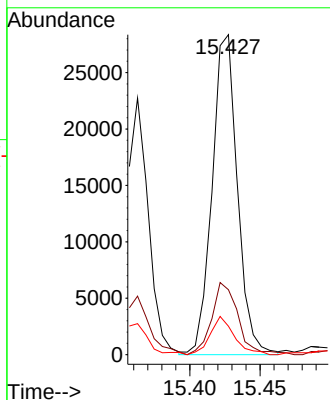
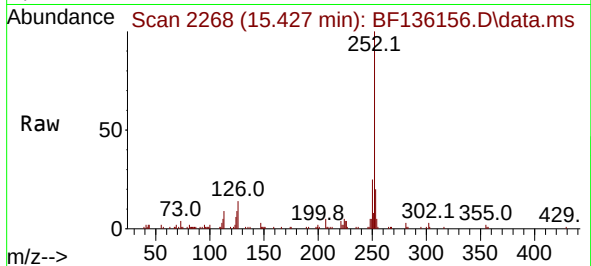
#90
Benzo(a)pyrene
Concen: 3.221 ng m
RT: 15.427 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:252 Resp: 3565
Ion Ratio Lower Upper
252 100
253 20.3 17.3 25.9
125 8.9 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#92
Benzo(g,h,i)perylene
Concen: 4.033 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:276 Resp: 14864
Ion Ratio Lower Upper
276 100
277 32.9 19.0 28.4#
138 24.5 17.4 26.2

