

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136155.D
 Acq On : 06 Nov 2023 15:27
 Operator : CG\JU
 Sample : 05256-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10

Manual Integrations
 APPROVED

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

Quant Time: Nov 06 15:45:52 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	85796	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	340660	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	171085	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	284228	20.000	ng	0.00
76) Chrysene-d12	14.004	240	181533	20.000	ng	0.00
86) Perylene-d12	15.492	264	207507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	397291	72.766	ng	0.00
7) Phenol-d6	6.446	99	488282	71.779	ng	-0.01
23) Nitrobenzene-d5	7.381	82	309167	54.710	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	131672	72.105	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	575467	53.620	ng	0.00
79) Terphenyl-d14	12.945	244	451160	38.622	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	113117	7.904	ng	99
75) Fluoranthene	12.569	202	225924	15.367	ng	96
78) Pyrene	12.798	202	194315	12.141	ng	99
81) Benzo(a)anthracene	13.992	228	103963	8.651	ng	93
83) Chrysene	14.027	228	102343	8.647	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	45422m	3.349	ng	
88) Benzo(b)fluoranthene	15.057	252	147275m	11.994	ng	
89) Benzo(k)fluoranthene	15.080	252	44249m	3.642	ng	
90) Benzo(a)pyrene	15.427	252	95380m	8.360	ng	
92) Benzo(g,h,i)perylene	17.451	276	39608	5.838	ng	95

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

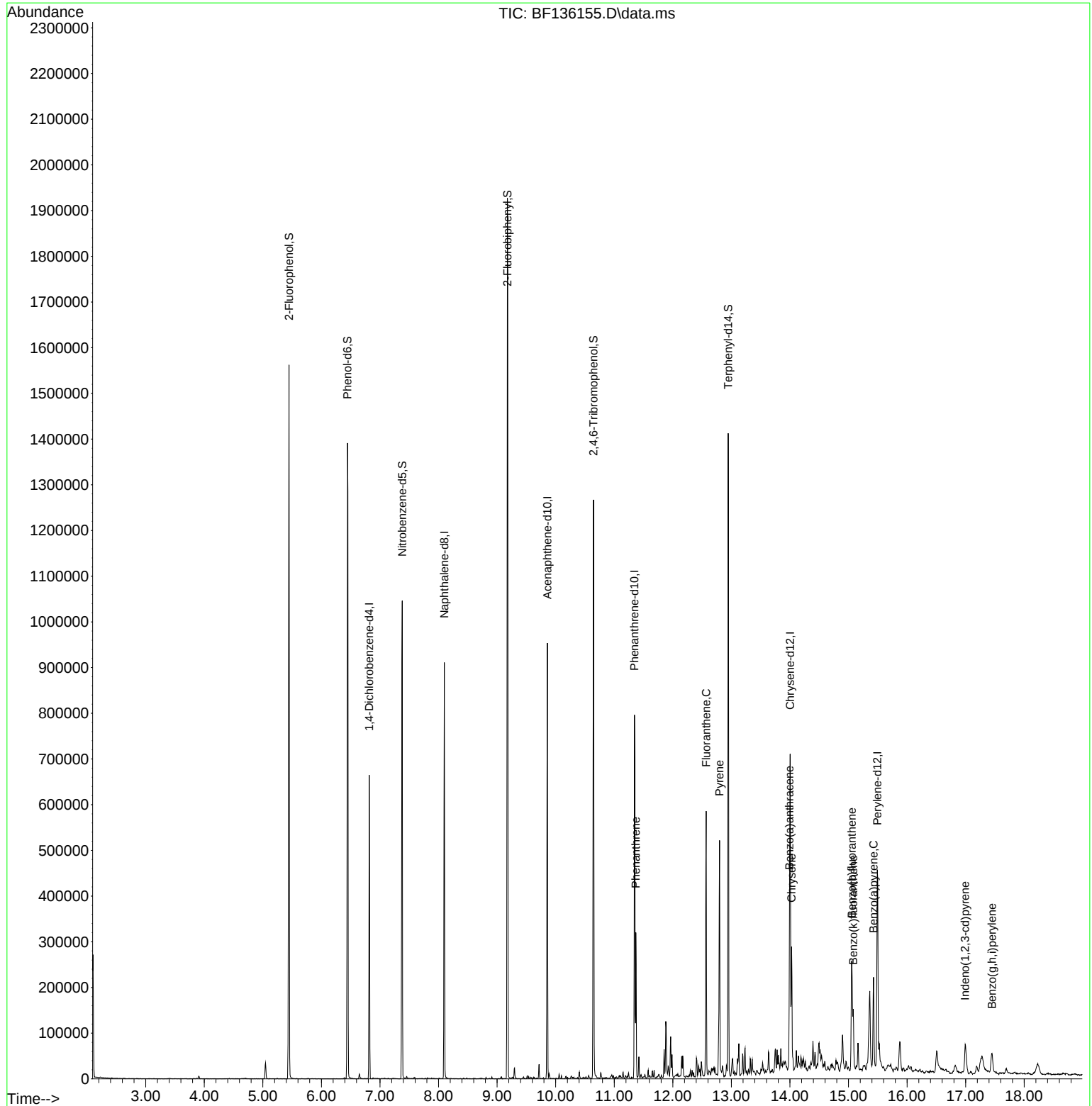
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136155.D
Acq On : 06 Nov 2023 15:27
Operator : CG\JU
Sample : 05256-09
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ALS Vial : 8 Sample Multiplier: 1

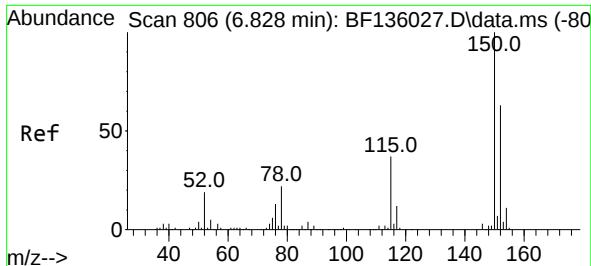
Instrument :
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ClientSampleId :
WC-10

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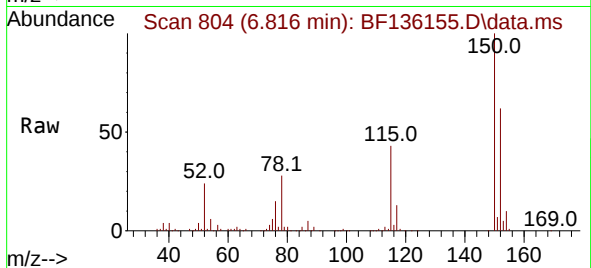
Quant Time: Nov 06 15:45:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

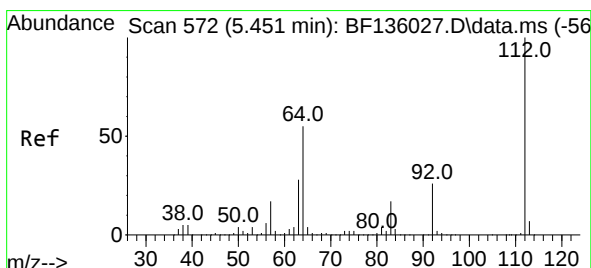
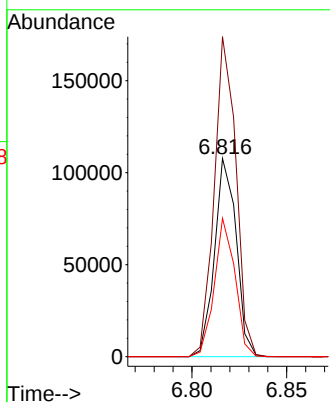
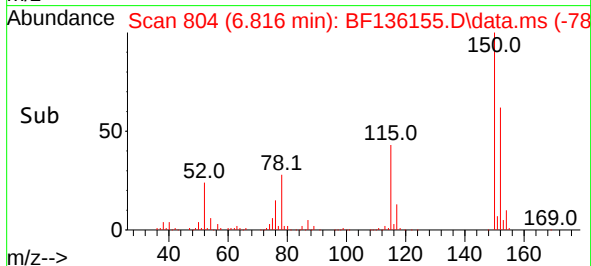
Instrument :
BNA_F
ClientSampleId :
WC-10



Tgt Ion:152 Resp: 85790
Ion Ratio Lower Upper
152 100
150 161.4 126.4 189.6
115 69.8 47.0 70.4

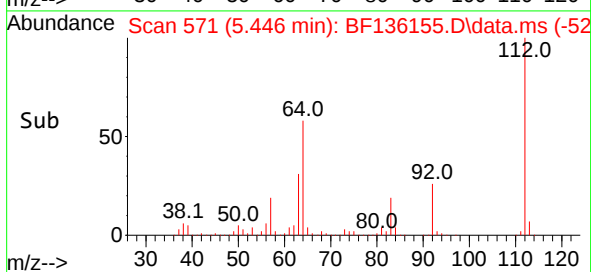
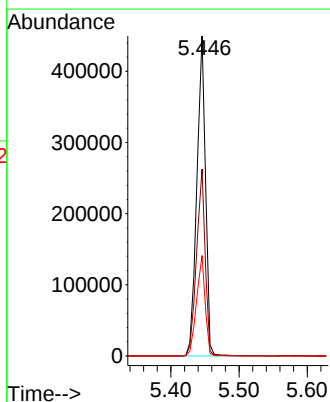
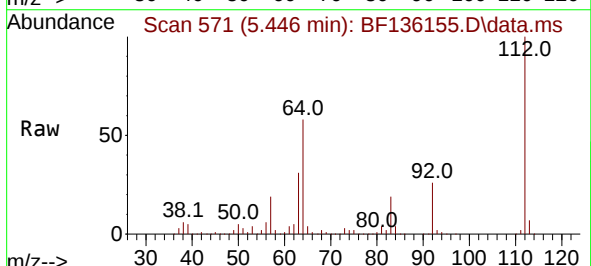
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#5
2-Fluorophenol
Concen: 72.766 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

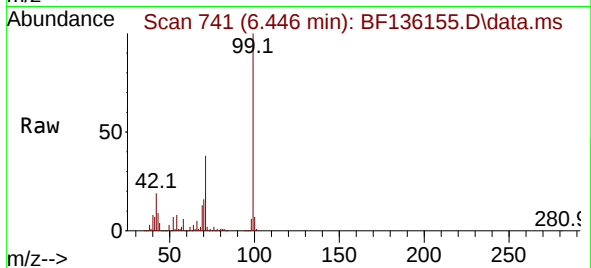
Tgt Ion:112 Resp: 397291
Ion Ratio Lower Upper
112 100
64 58.4 43.9 65.9
63 31.4 22.4 33.6





#7
Phenol-d6
Concen: 71.779 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

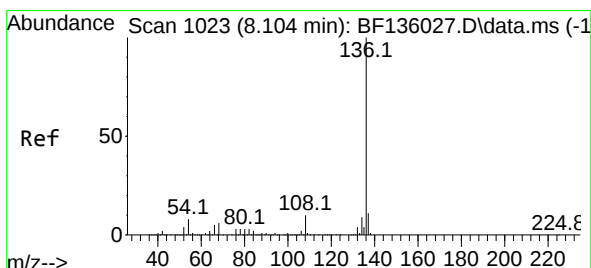
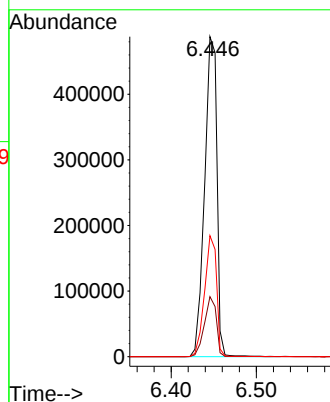
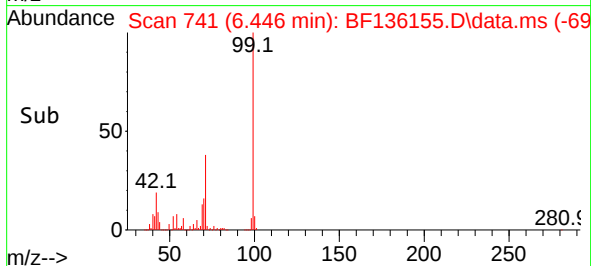
Instrument :
BNA_F
ClientSampleId :
WC-10



Tgt Ion: 99 Resp: 48828
Ion Ratio Lower Upper
99 100
42 18.7 13.7 20.5
71 37.8 25.9 38.9

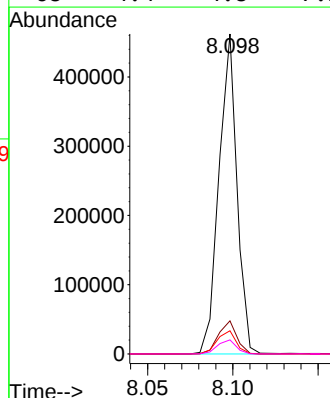
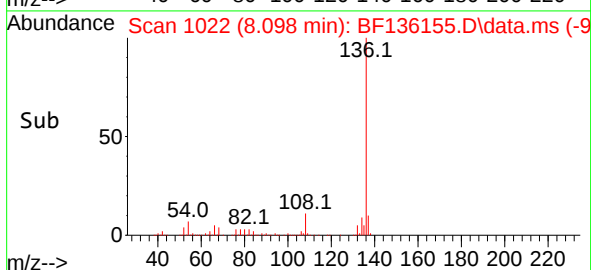
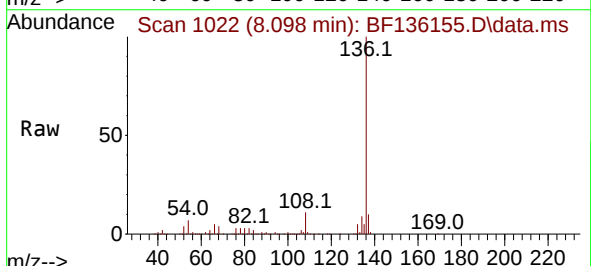
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

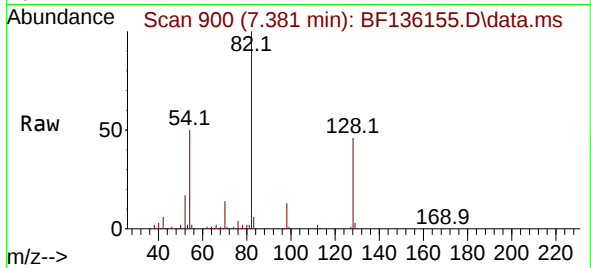
Tgt Ion:136 Resp: 340660
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.3 6.6 9.8
68 4.4 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 54.710 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

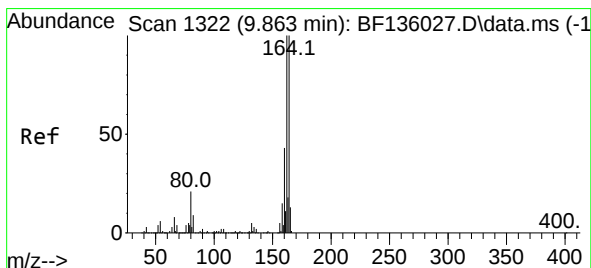
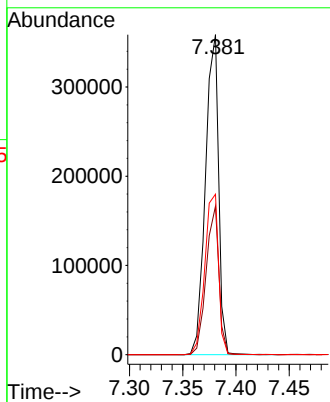
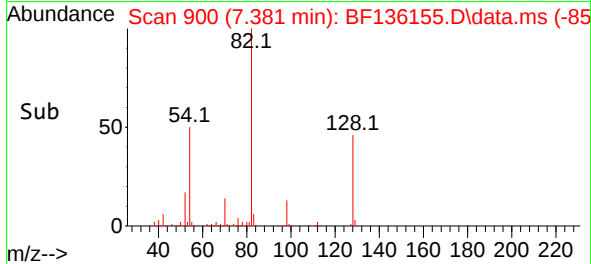
Instrument :
BNA_F
ClientSampleId :
WC-10



Tgt Ion: 82 Resp: 30916
Ion Ratio Lower Upper
82 100
128 46.4 38.6 57.8
54 50.2 40.8 61.2

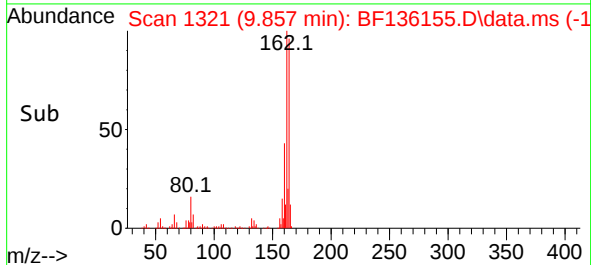
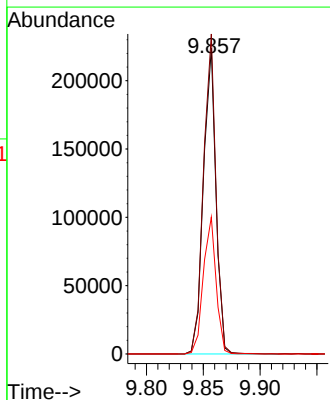
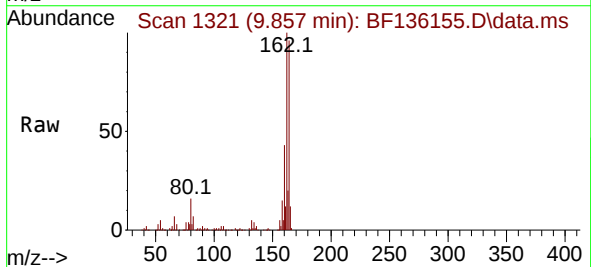
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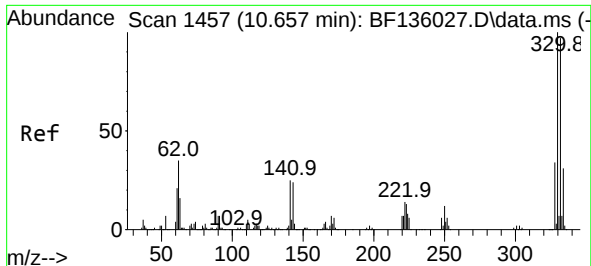
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

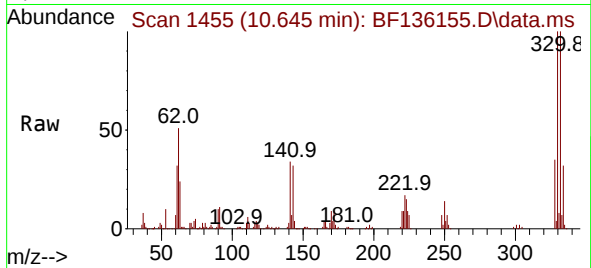
Tgt Ion:164 Resp: 171085
Ion Ratio Lower Upper
164 100
162 104.7 80.1 120.1
160 44.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 72.105 ng
RT: 10.645 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

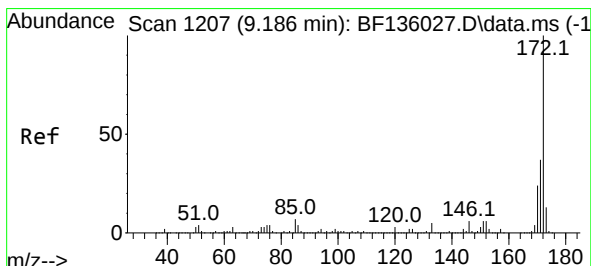
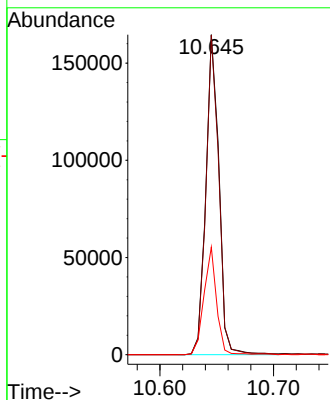
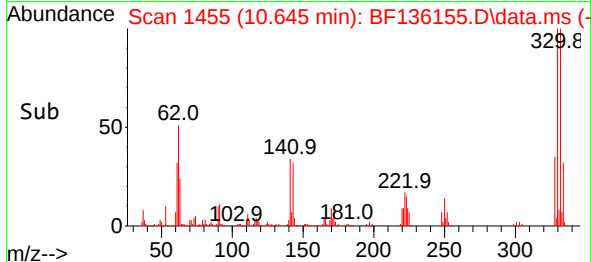
Instrument :
BNA_F
Client Sample Id :
WC-10



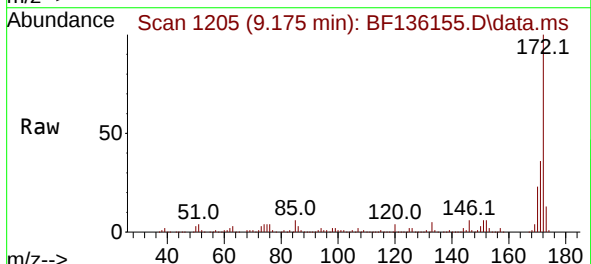
Tgt Ion: 330 Resp: 131672
Ion Ratio Lower Upper
330 100
332 98.2 76.9 115.3
141 32.6 23.2 34.8

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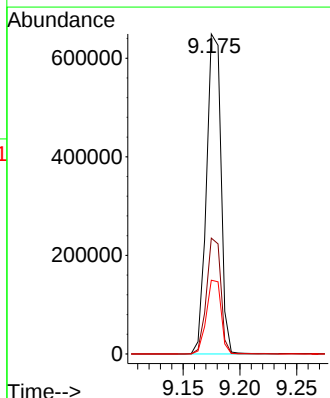
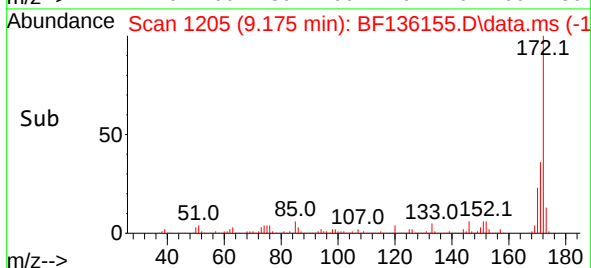
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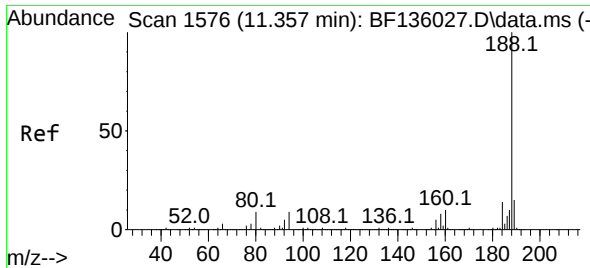


#45
2-Fluorobiphenyl
Concen: 53.620 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27



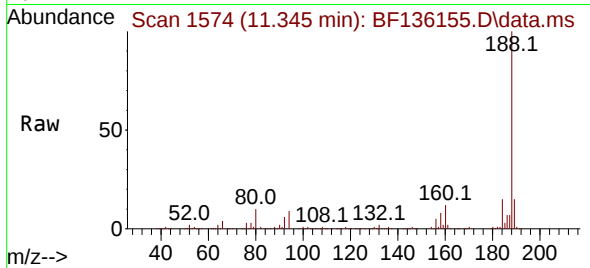
Tgt Ion: 172 Resp: 575467
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 23.1 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

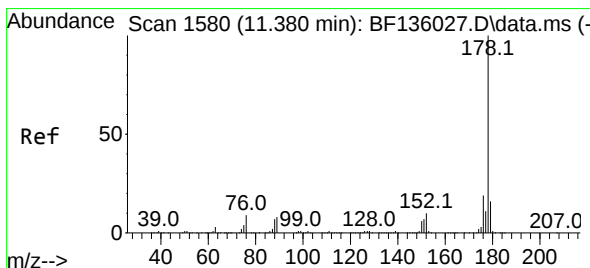
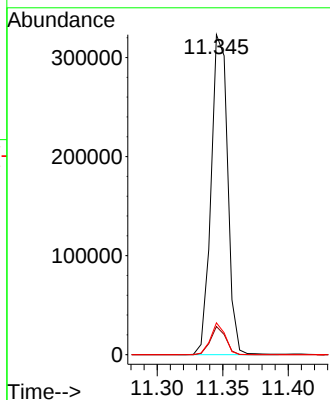
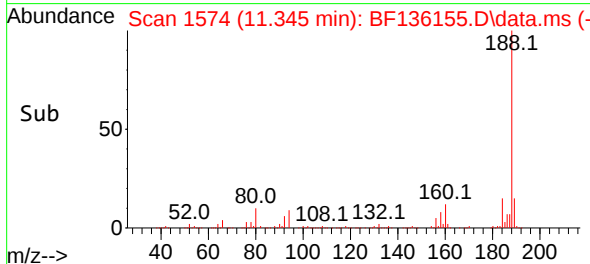
Instrument :
BNA_F
ClientSampleId :
WC-10



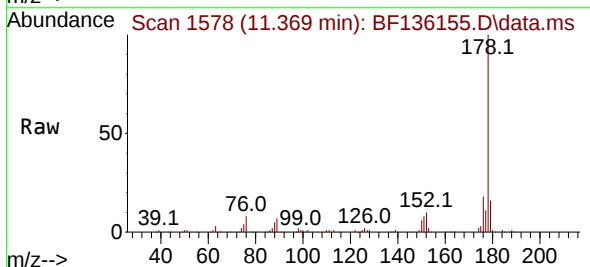
Tgt Ion:188 Resp: 284228
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 9.9 7.4 11.0

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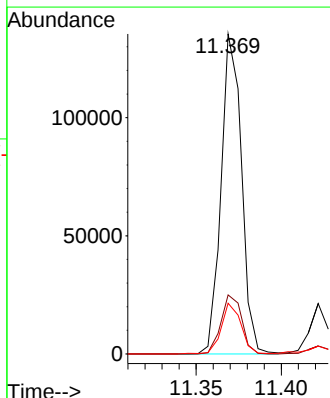
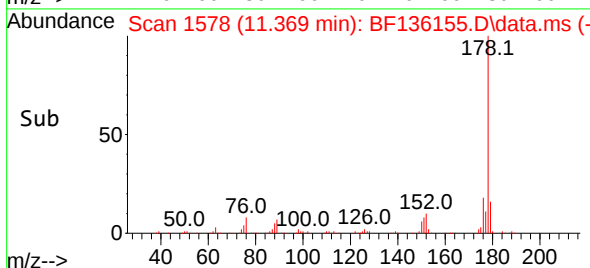
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

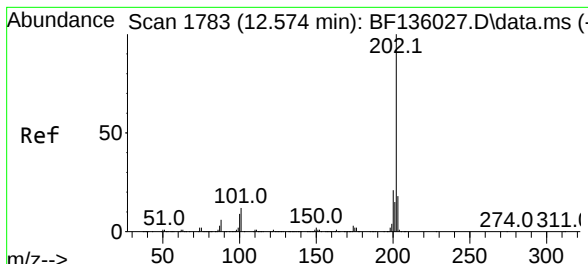


#71
Phenanthrene
Concen: 7.904 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27



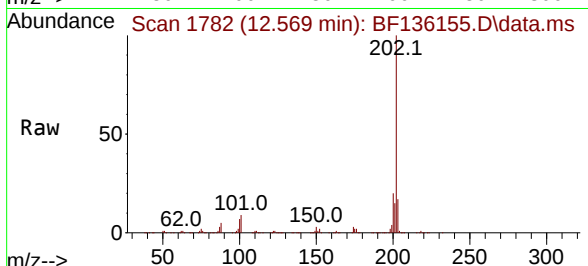
Tgt Ion:178 Resp: 113117
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.9 12.9 19.3





#75
 Fluoranthene
 Concen: 15.367 ng
 RT: 12.569 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136155.D
 Acq: 06 Nov 2023 15:27

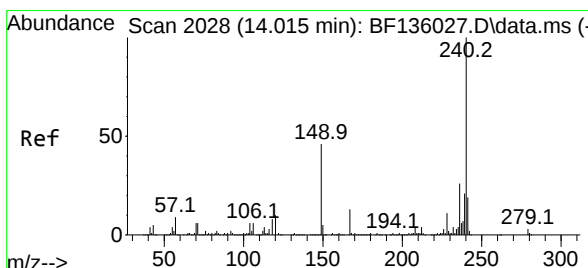
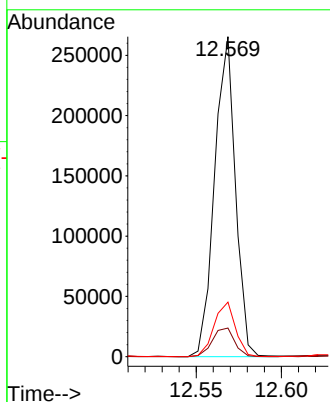
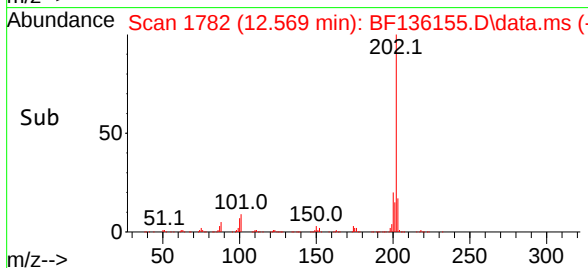
Instrument :
 BNA_F
 ClientSampleId :
 WC-10



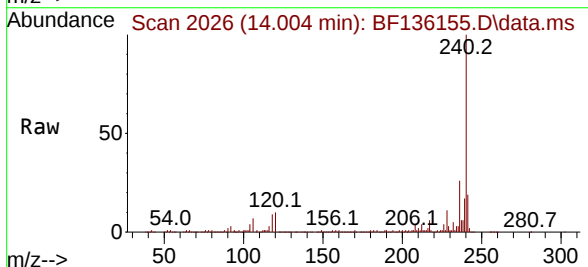
Tgt Ion:	202	Resp:	225924
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	31.8
203	17.0	0.0	37.9

Manual Integrations
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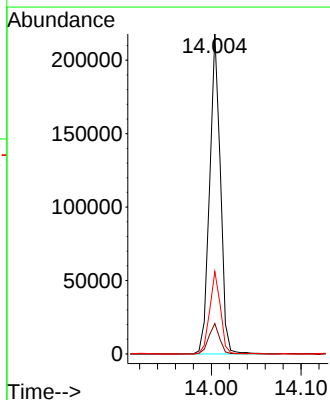
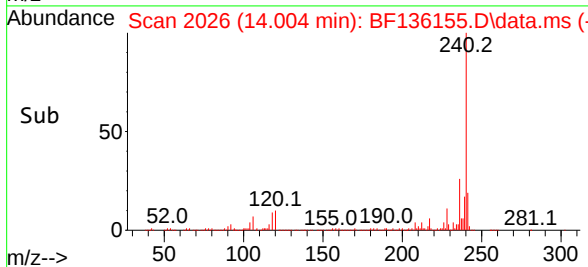
Reviewed By :Yogesh Patel 11/08/2023
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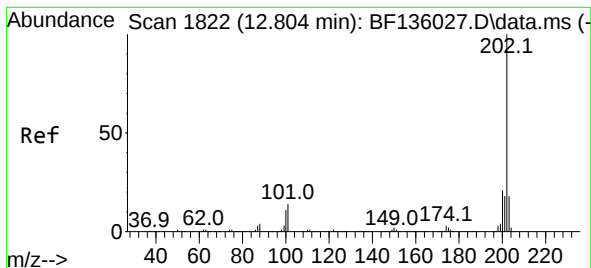


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF136155.D
 Acq: 06 Nov 2023 15:27



Tgt Ion:	240	Resp:	181533
Ion Ratio	Lower	Upper	
240	100		
120	9.5	7.6	11.4
236	25.8	20.6	31.0





#78

Pyrene

Concen: 12.141 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

WC-10

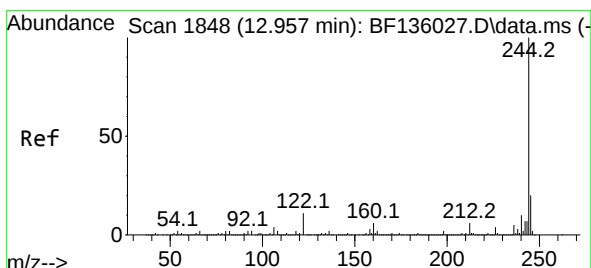
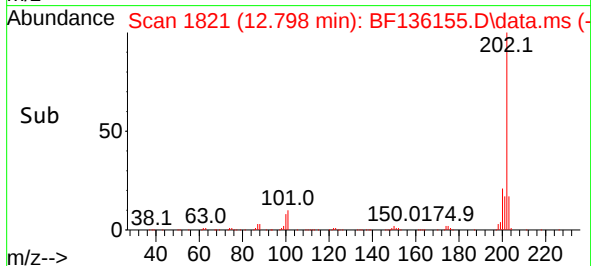
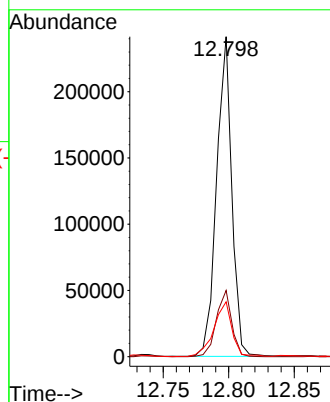
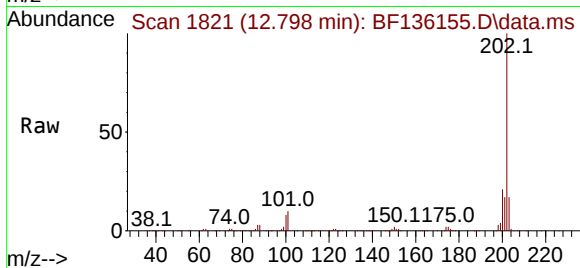
Tgt Ion:	202	Resp:	19431
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.0	25.4
203	17.1	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 38.622 ng

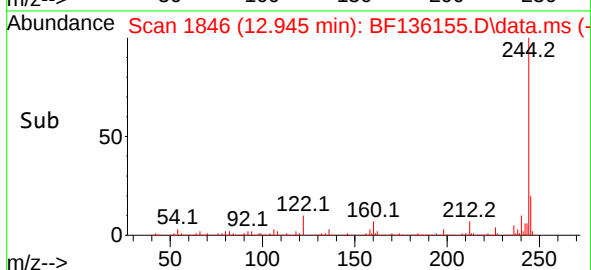
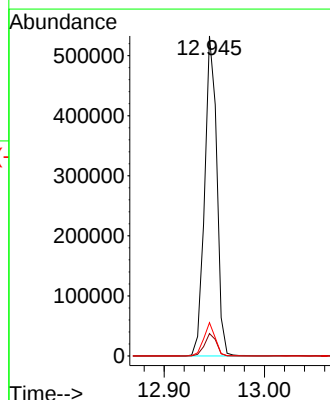
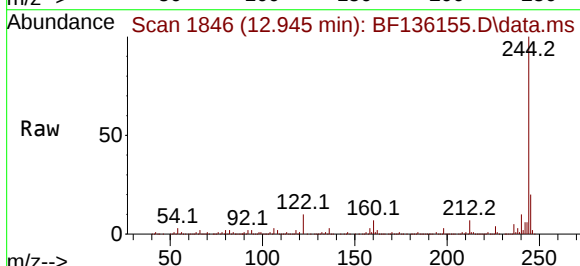
RT: 12.945 min Scan# 1846

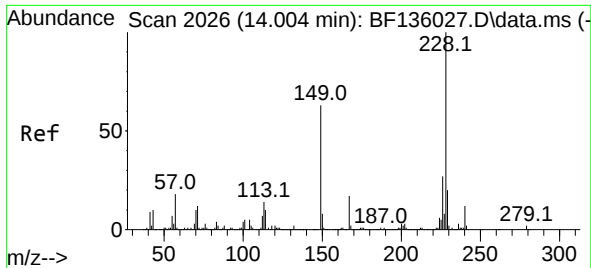
Delta R.T. -0.006 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Tgt Ion:	244	Resp:	451160
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.1	7.7
122	10.4	8.6	12.8





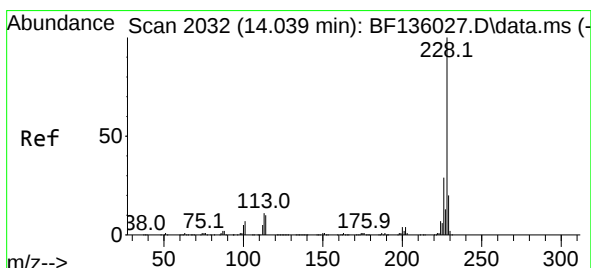
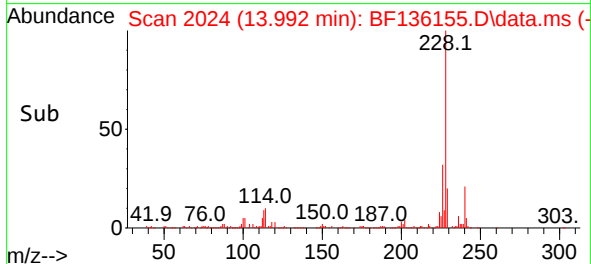
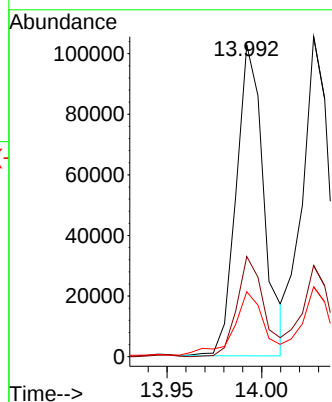
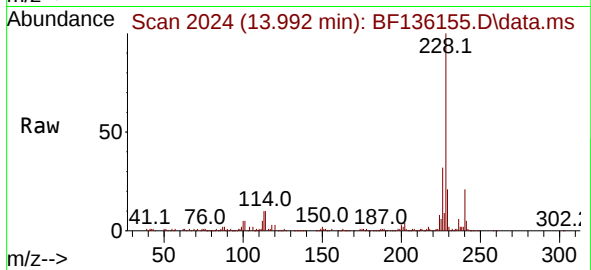
#81
Benzo(a)anthracene
Concen: 8.651 ng
RT: 13.992 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion:228 Resp: 10396
Ion Ratio Lower Upper
228 100
226 32.1 21.5 32.3
229 20.8 15.8 23.6

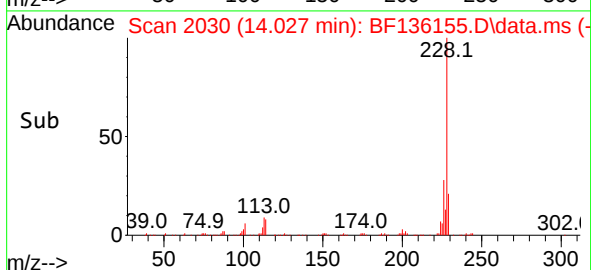
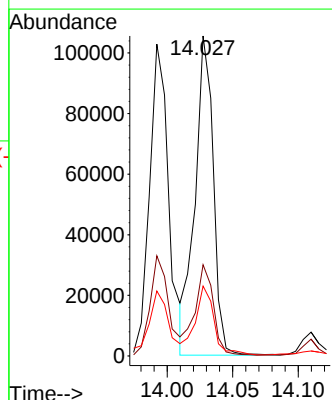
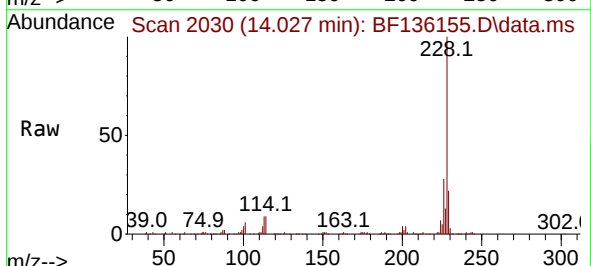
Manual Integrations
APPROVED

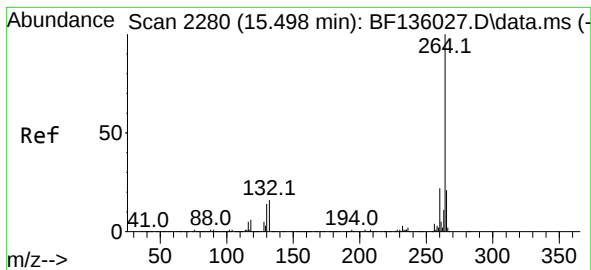
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#83
Chrysene
Concen: 8.647 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:228 Resp: 102343
Ion Ratio Lower Upper
228 100
226 28.5 23.5 35.3
229 21.9 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: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

WC-10

Tgt Ion:264 Resp: 20750

Ion Ratio Lower Upper

264 100

260 22.1 17.9 26.9

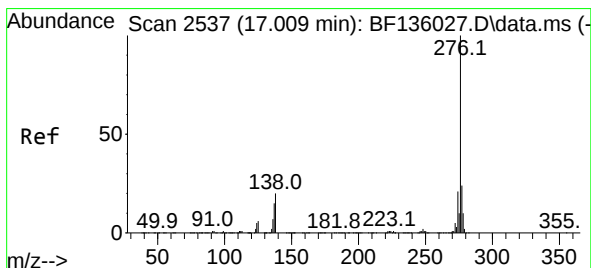
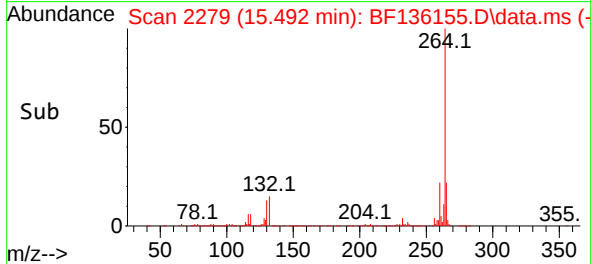
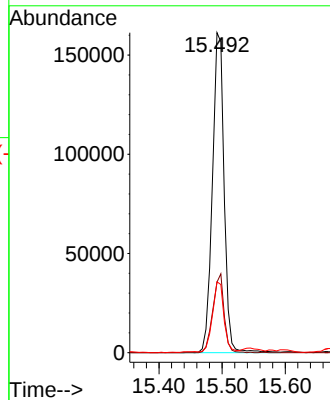
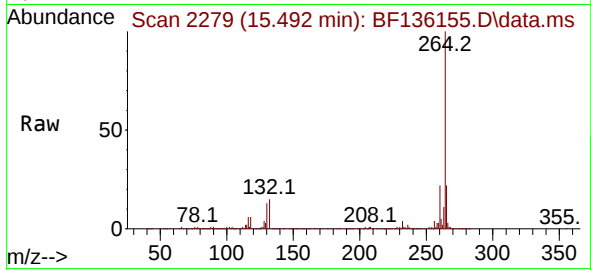
265 22.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.349 ng m

RT: 16.992 min Scan# 2534

Delta R.T. -0.017 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

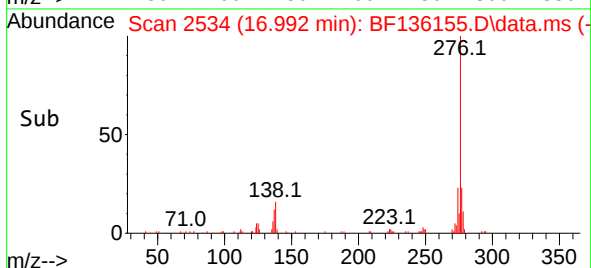
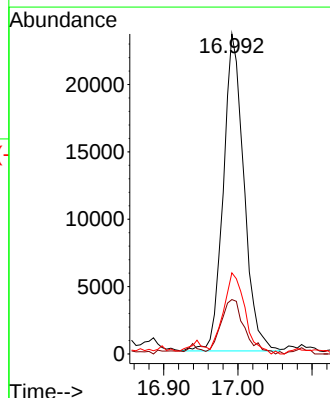
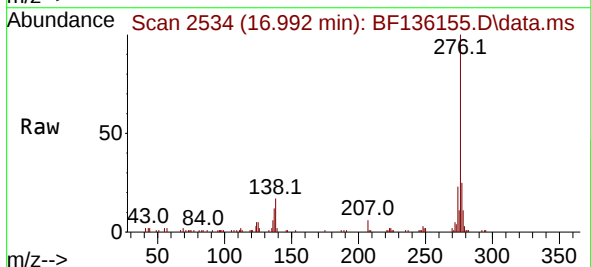
Tgt Ion:276 Resp: 45422

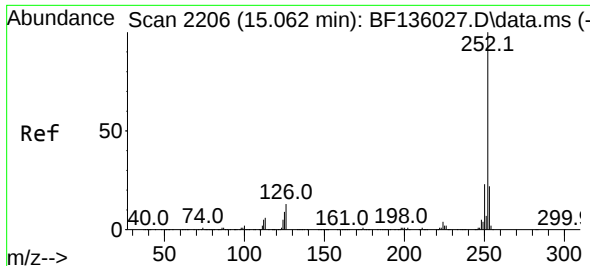
Ion Ratio Lower Upper

276 100

138 6.0 20.4 30.6#

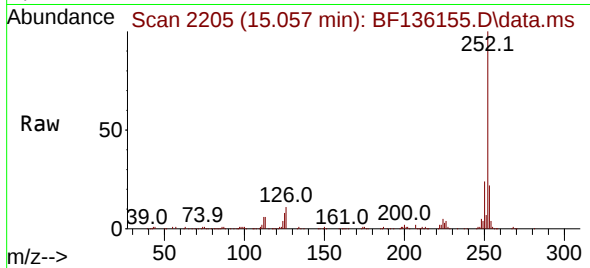
277 5.9 20.2 30.2#





#88
Benzo(b)fluoranthene
Concen: 11.994 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

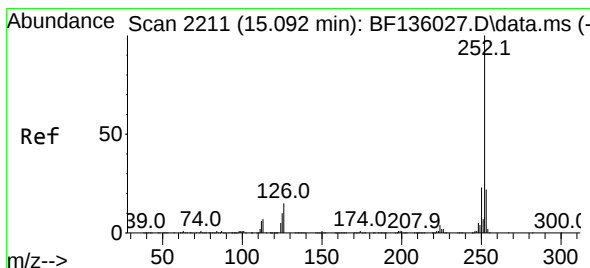
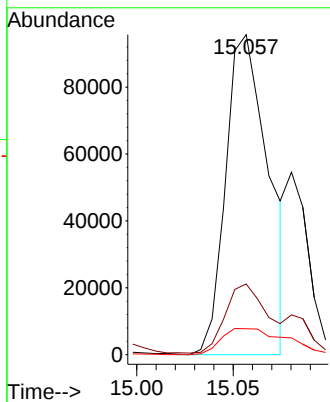
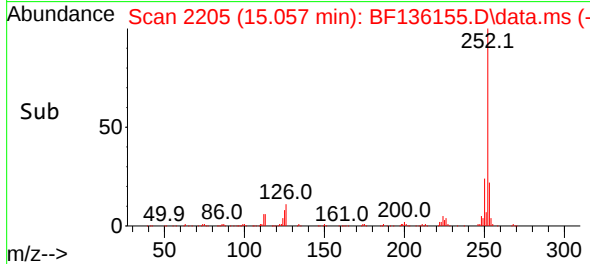
Instrument :
BNA_F
ClientSampleId :
WC-10



Tgt Ion:252 Resp: 147275
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 8.1 7.5 11.3

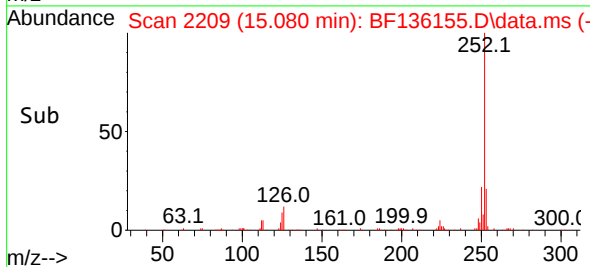
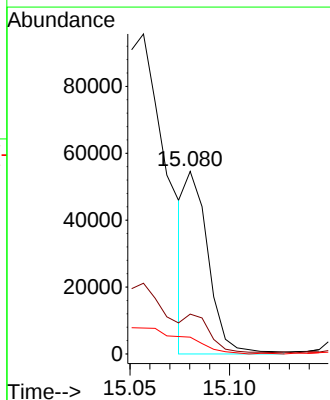
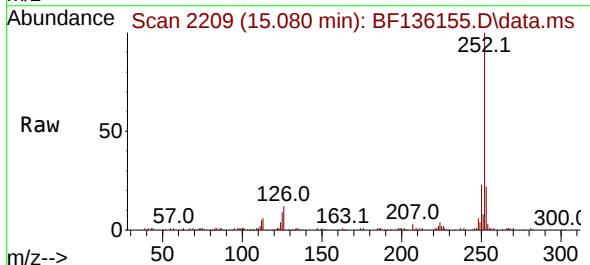
Manual Integrations
APPROVED

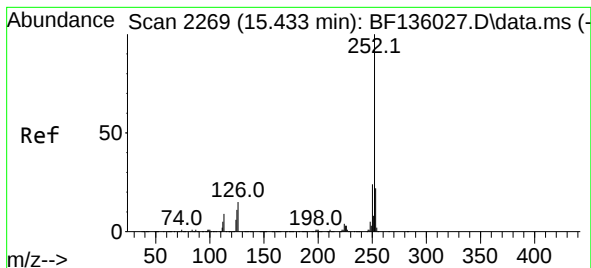
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#89
Benzo(k)fluoranthene
Concen: 3.642 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:252 Resp: 44249
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 9.2 8.0 12.0





#90

Benzo(a)pyrene

Concen: 8.360 ng m

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

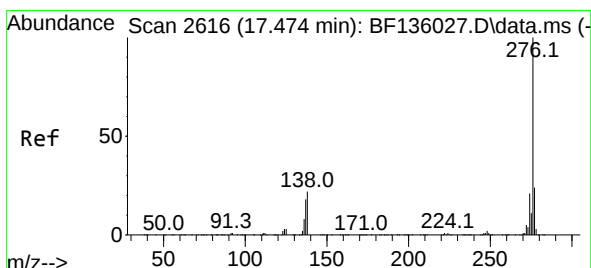
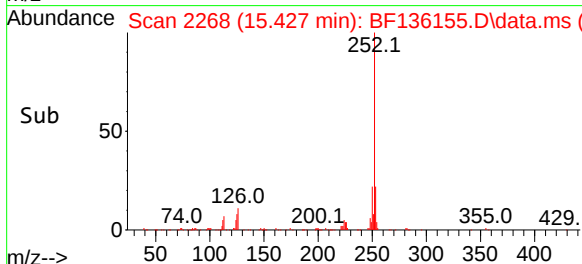
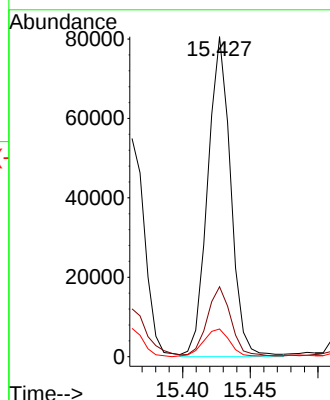
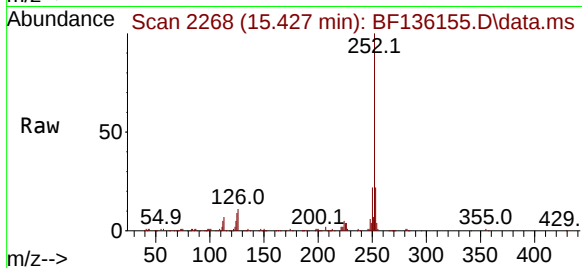
WC-10

Tgt Ion:252 Resp: 95380
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.3 25.9
 125 8.7 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: 5.838 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.023 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Tgt Ion:276 Resp: 39608
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.0 28.4
 138 18.6 17.4 26.2

