

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136057.D
 Acq On : 31 Oct 2023 18:05
 Operator : CG\JU
 Sample : 04817-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Nov 01 00:35:20 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	124075	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	421138	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	191605	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	371016	20.000	ng	0.00
76) Chrysene-d12	14.016	240	361617	20.000	ng	0.00
86) Perylene-d12	15.504	264	288195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	167732	21.243	ng	0.00
7) Phenol-d6	6.445	99	188179	19.128	ng	-0.01
23) Nitrobenzene-d5	7.381	82	97025	13.888	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	42252	20.660	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	174101	14.485	ng	0.00
79) Terphenyl-d14	12.951	244	228127	9.804	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.892	154	86381	8.089	ng	99
55) Dibenzofuran	10.069	168	137975	8.861	ng	98
58) Fluorene	10.410	166	181868	15.600	ng	99
71) Phenanthrene	11.380	178	911851	48.812	ng	99
72) Anthracene	11.427	178	120145	6.276	ng	99
73) Carbazole	11.586	167	53080	3.191	ng	99
75) Fluoranthene	12.574	202	746607	38.904	ng	99
78) Pyrene	12.804	202	514760	16.146	ng	99
81) Benzo(a)anthracene	14.004	228	123044	5.140	ng	94
83) Chrysene	14.039	228	104739	4.442	ng	98
88) Benzo(b)fluoranthene	15.063	252	56320m	3.303	ng	
90) Benzo(a)pyrene	15.433	252	31723	2.002	ng	# 90

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

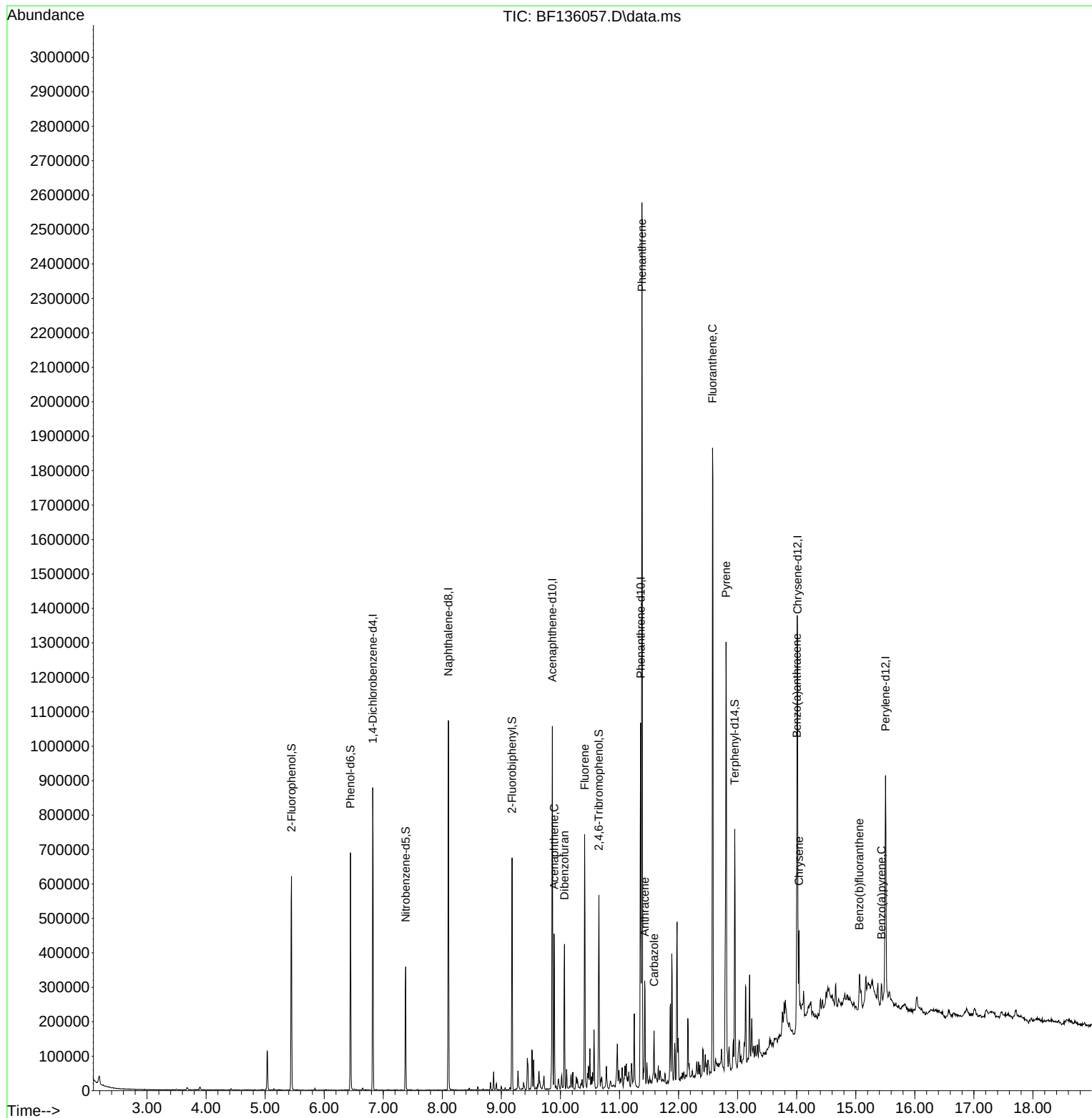
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136057.D
Acq On : 31 Oct 2023 18:05
Operator : CG\JU
Sample : 04817-01DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

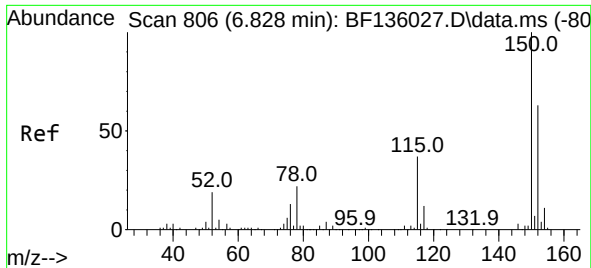
Instrument :
BNA_F
ClientSampleId :
72-11930DL

Quant Time: Nov 01 00:35:20 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

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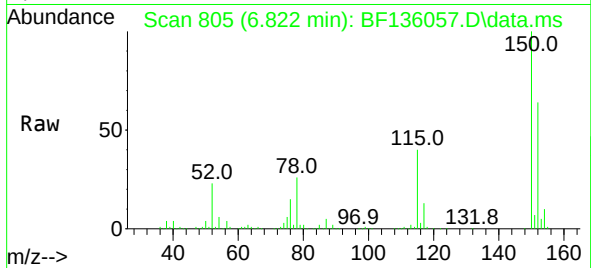
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

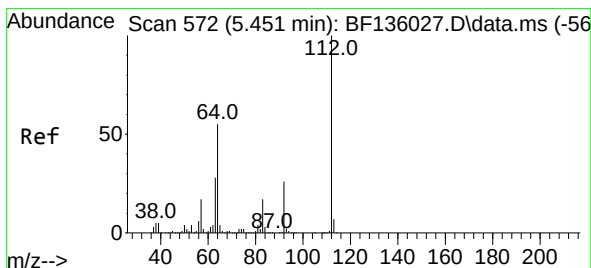
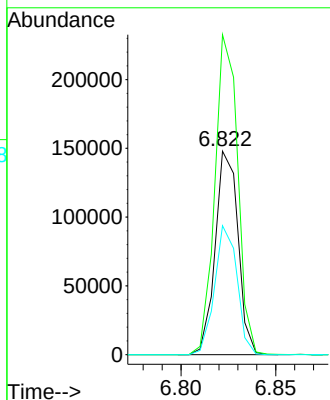
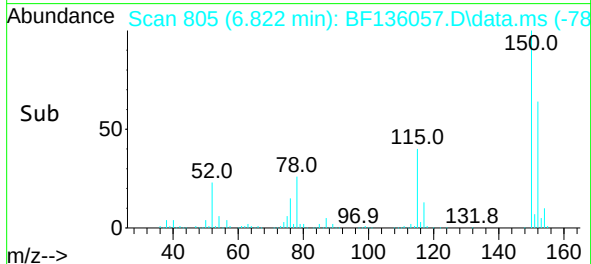
Instrument :
BNA_F
ClientSampleId :
72-11930DL



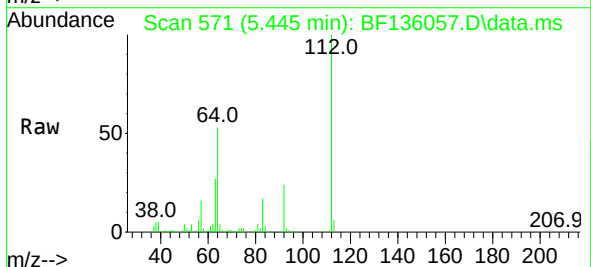
Tgt Ion:152 Resp: 124075
Ion Ratio Lower Upper
152 100
150 157.2 126.4 189.6
115 63.4 47.0 70.4

Manual Integrations
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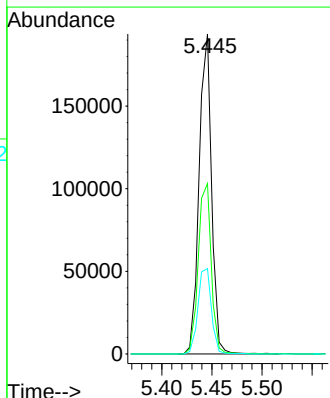
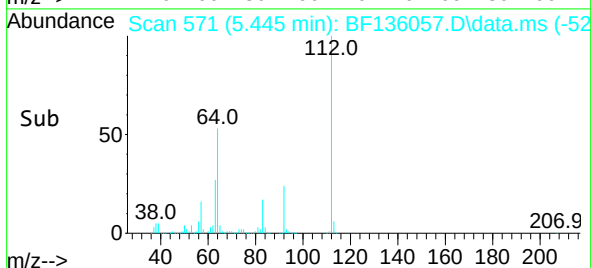
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

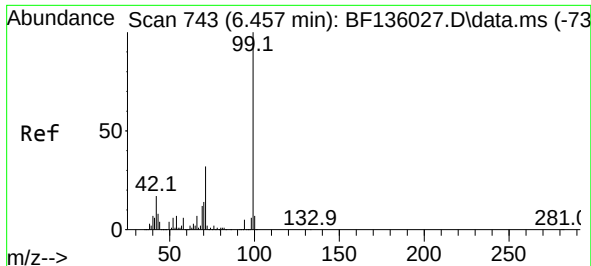


#5
2-Fluorophenol
Concen: 21.243 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05



Tgt Ion:112 Resp: 167732
Ion Ratio Lower Upper
112 100
64 53.2 43.9 65.9
63 26.7 22.4 33.6





#7

Phenol-d6

Concen: 19.128 ng

RT: 6.445 min Scan# 743

Delta R.T. -0.012 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

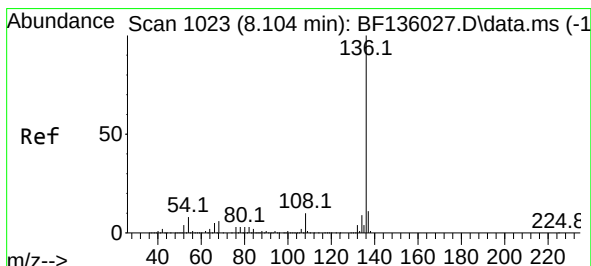
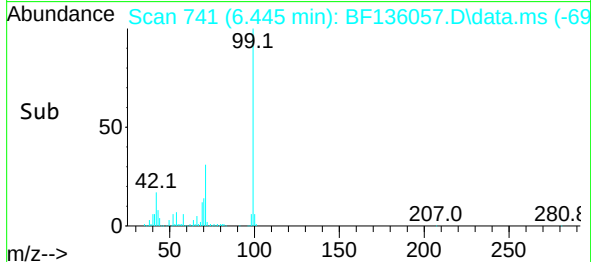
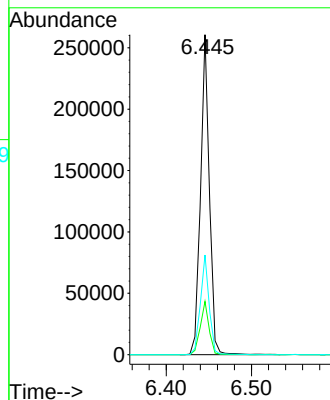
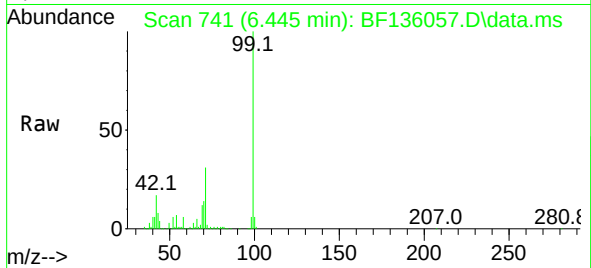
Tgt Ion:	99	Resp:	188179
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	31.2	25.9	38.9

Manual Integrations

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Supervised By :mohammad ahmed 11/01/2023



#21

Naphthalene-d8

Concen: 20.000 ng

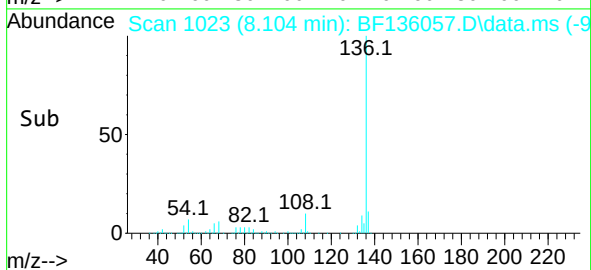
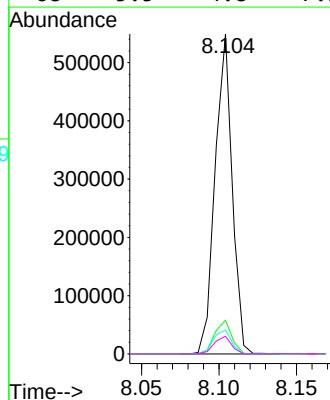
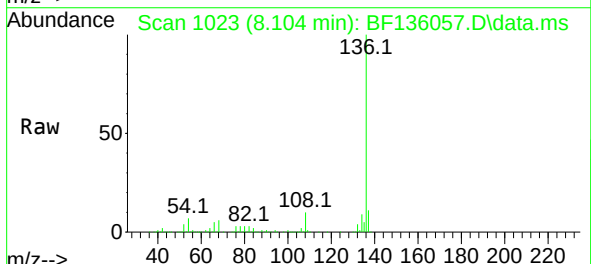
RT: 8.104 min Scan# 1023

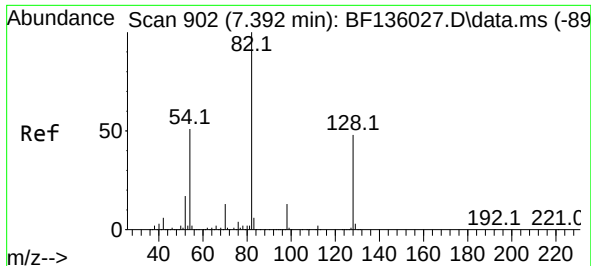
Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Tgt Ion:	136	Resp:	421138
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.5	6.6	9.8
68	5.5	4.8	7.2





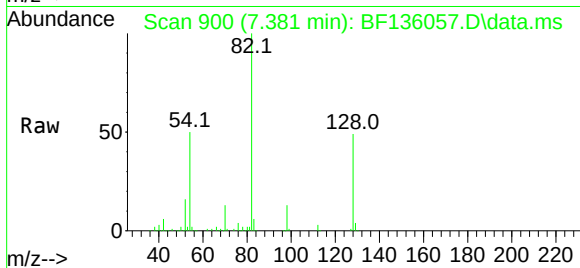
#23
Nitrobenzene-d5
Concen: 13.888 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

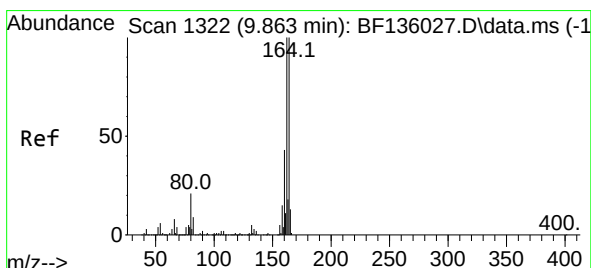
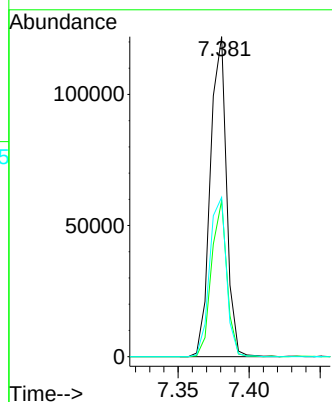
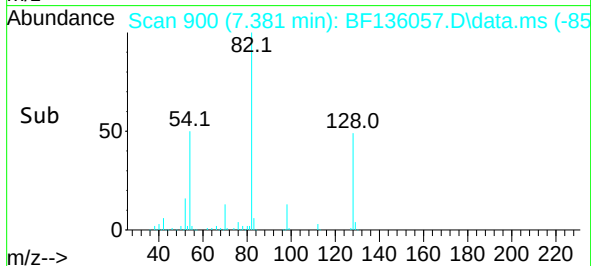


Tgt Ion: 82 Resp: 97025
Ion Ratio Lower Upper
82 100
128 48.8 38.6 57.8
54 49.8 40.8 61.2

Manual Integrations

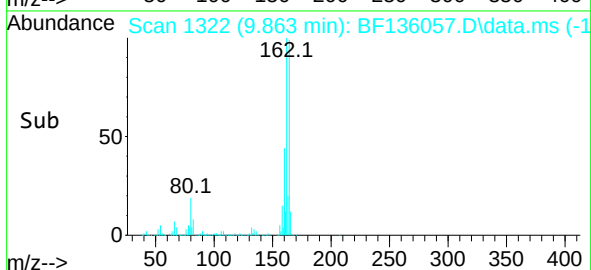
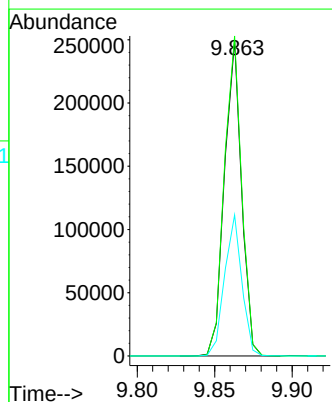
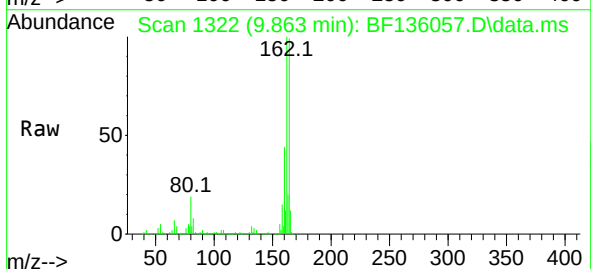
APPROVED

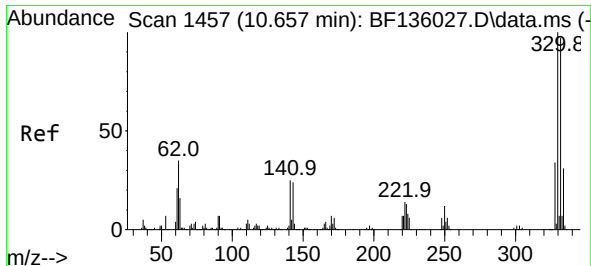
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:164 Resp: 191605
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 44.7 34.8 52.2





#42
 2,4,6-Tribromophenol
 Concen: 20.660 ng
 RT: 10.651 min Scan# 1457
 Delta R.T. -0.006 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

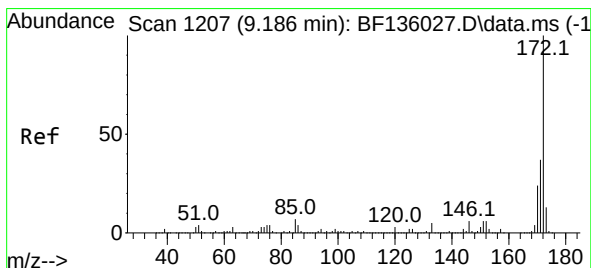
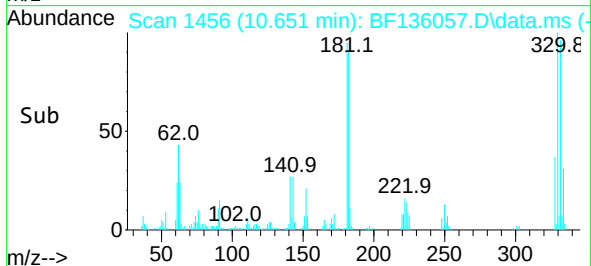
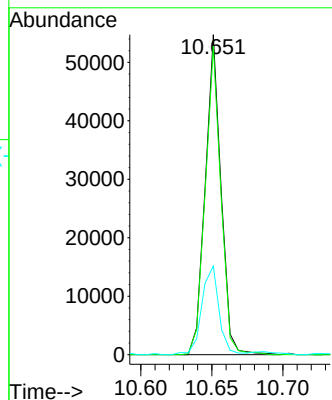
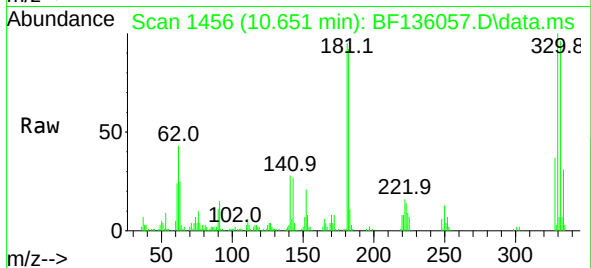
72-11930DL

Tgt Ion:330 Resp: 42252
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.9 115.3
 141 30.4 23.2 34.8

Manual Integrations

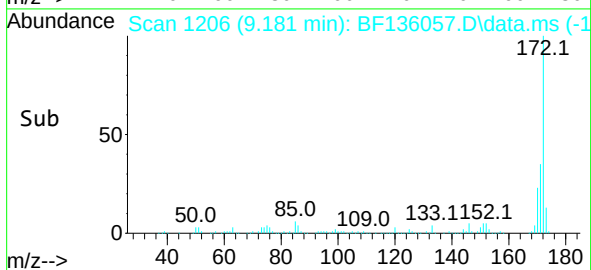
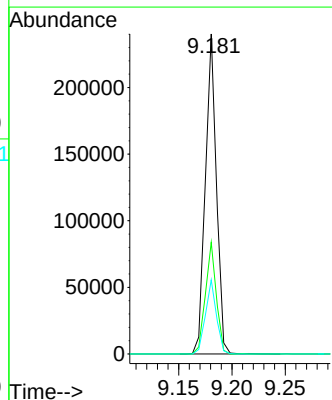
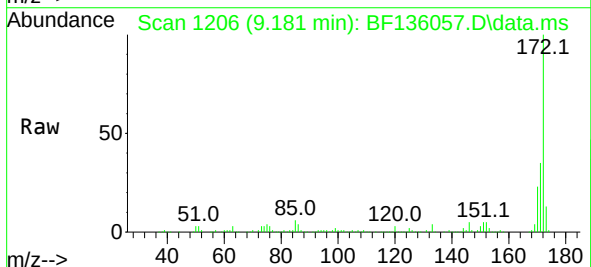
APPROVED

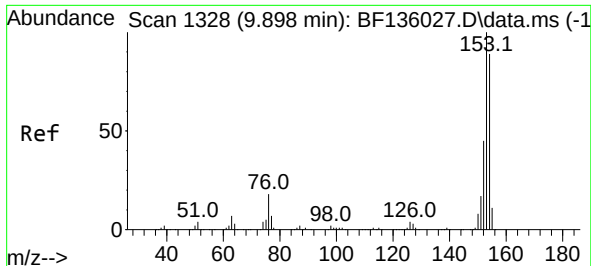
Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#45
 2-Fluorobiphenyl
 Concen: 14.485 ng
 RT: 9.181 min Scan# 1206
 Delta R.T. -0.006 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

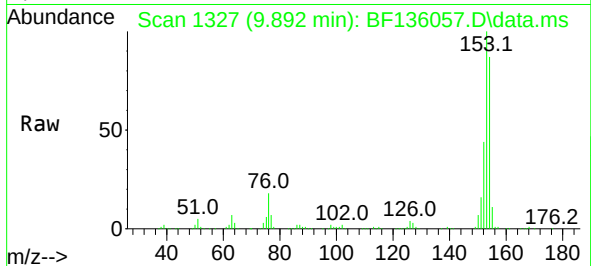
Tgt Ion:172 Resp: 174101
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.4 44.0
 170 23.2 19.3 28.9





#52
Acenaphthene
Concen: 8.089 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

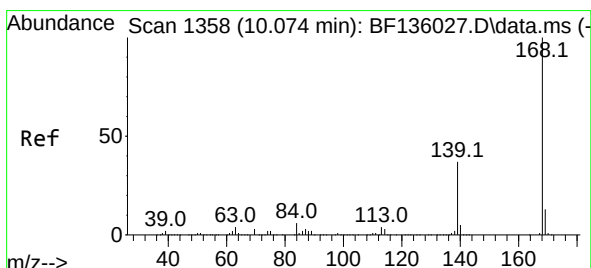
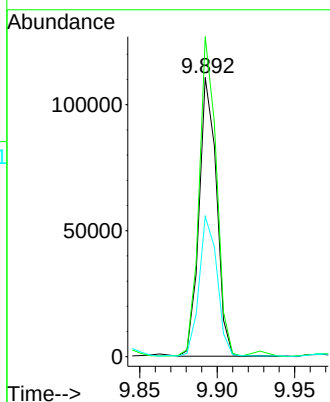
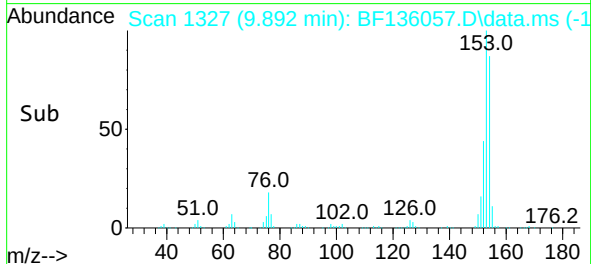
Instrument :
BNA_F
ClientSampleId :
72-11930DL



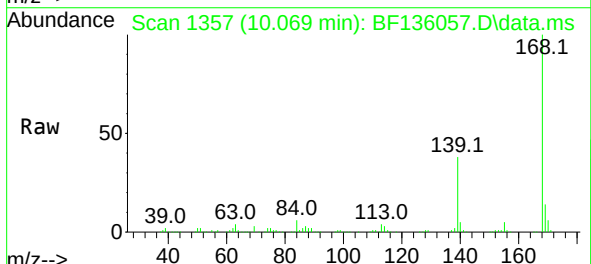
Tgt Ion:154 Resp: 8638
Ion Ratio Lower Upper
154 100
153 114.6 89.9 134.9
152 50.2 40.2 60.2

Manual Integrations
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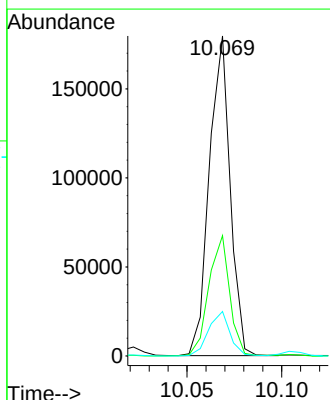
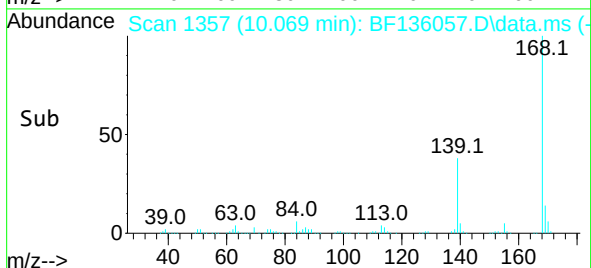
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

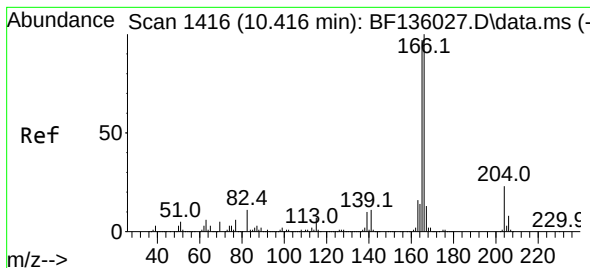


#55
Dibenzofuran
Concen: 8.861 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05



Tgt Ion:168 Resp: 137975
Ion Ratio Lower Upper
168 100
139 37.6 29.4 44.0
169 13.9 10.5 15.7





#58

Fluorene

Concen: 15.600 ng

RT: 10.410 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF136057.D

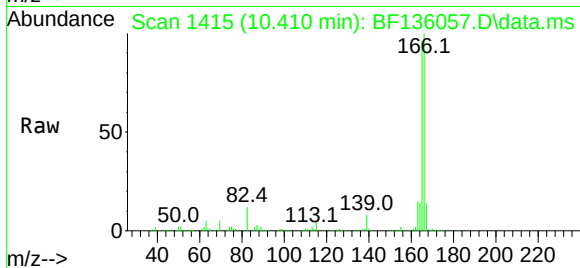
Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL



Tgt Ion:166 Resp: 18186

Ion Ratio Lower Upper

166 100

165 95.6 77.7 116.5

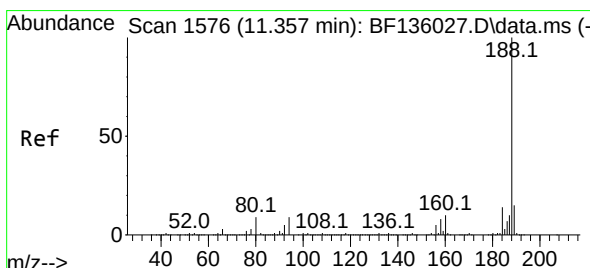
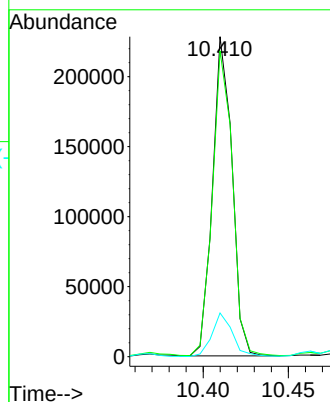
167 13.7 10.6 16.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

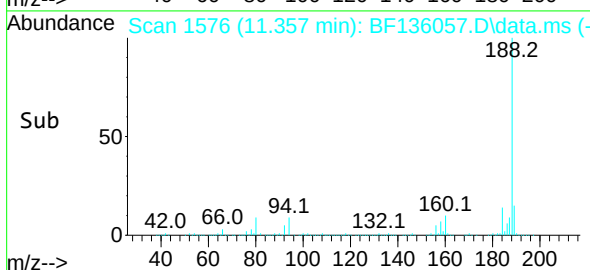
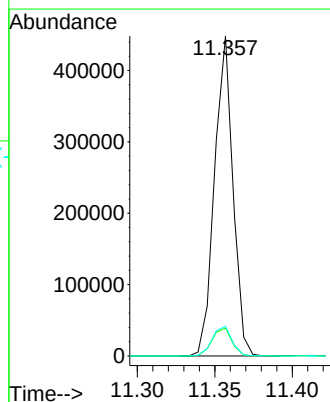
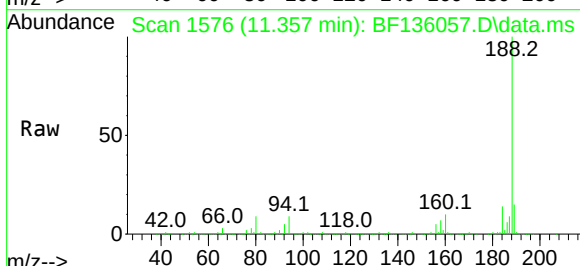
Tgt Ion:188 Resp: 371016

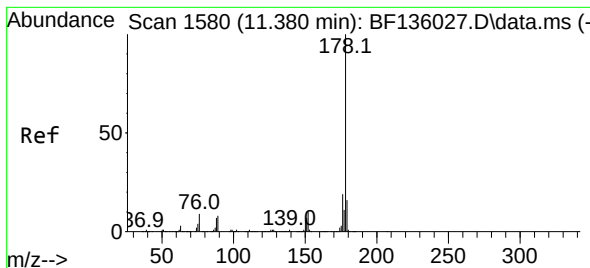
Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 9.3 7.4 11.0





#71

Phenanthrene

Concen: 48.812 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

Tgt Ion:178 Resp: 91185

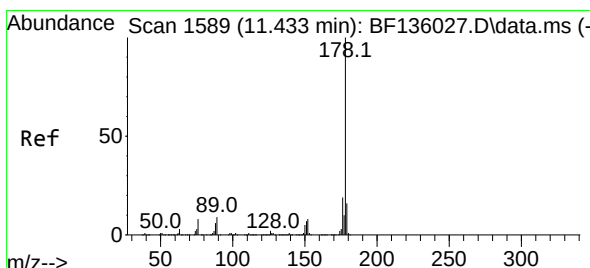
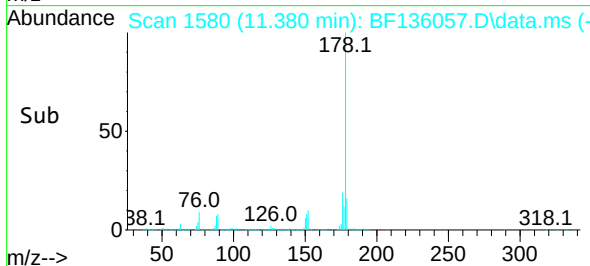
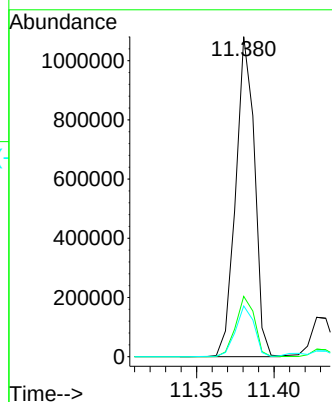
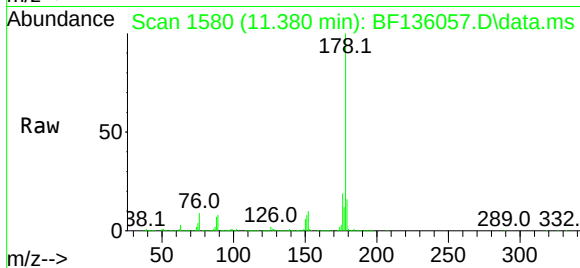
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.8	12.9	19.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#72

Anthracene

Concen: 6.276 ng

RT: 11.427 min Scan# 1588

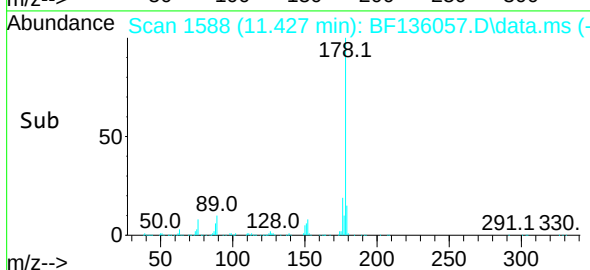
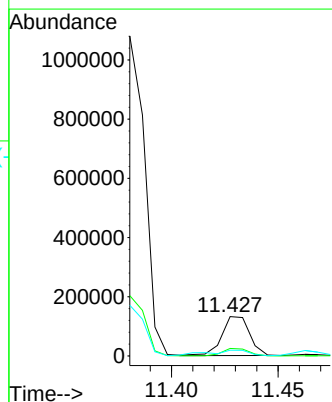
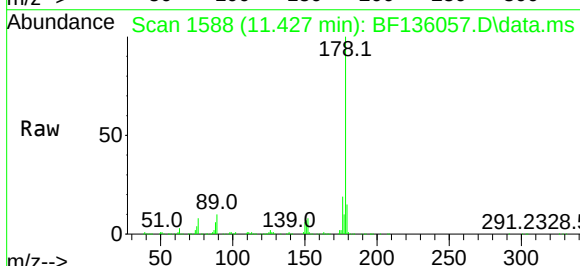
Delta R.T. -0.006 min

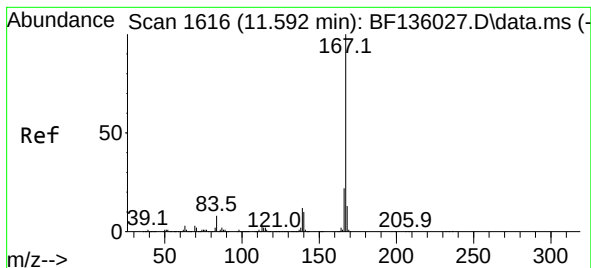
Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Tgt Ion:178 Resp: 120145

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	14.8	12.6	18.8





#73

Carbazole

Concen: 3.191 ng

RT: 11.586 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

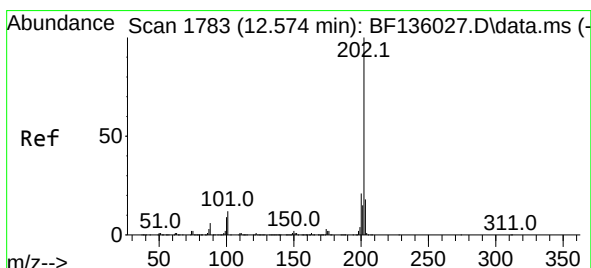
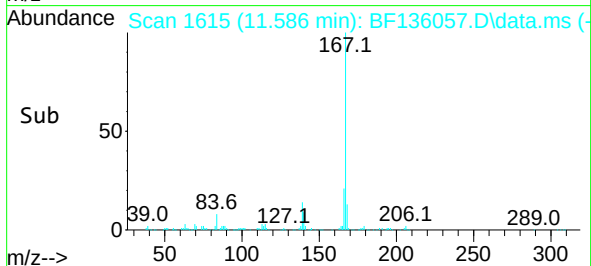
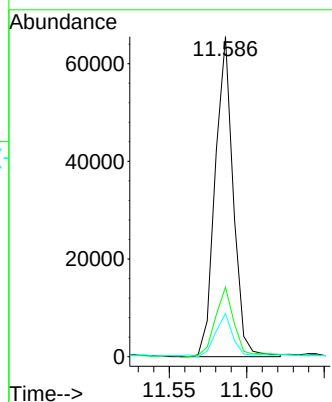
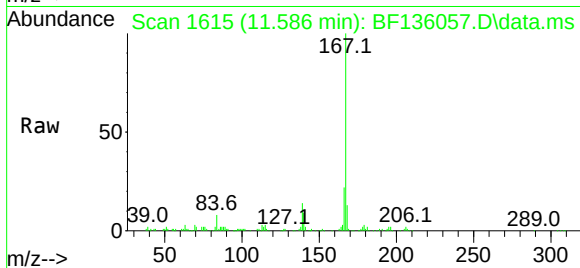
72-11930DL

Tgt Ion:167 Resp: 53080
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.5 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#75

Fluoranthene

Concen: 38.904 ng

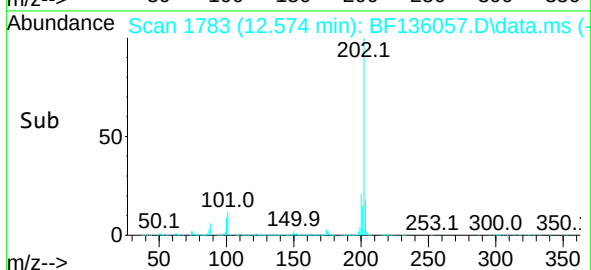
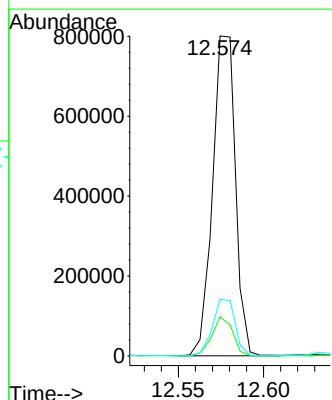
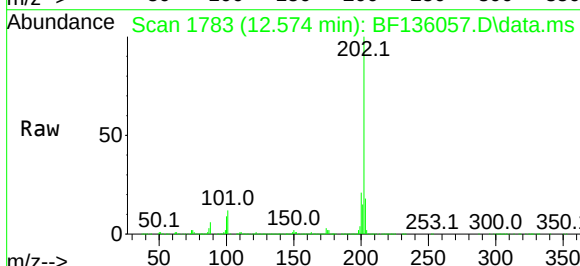
RT: 12.574 min Scan# 1783

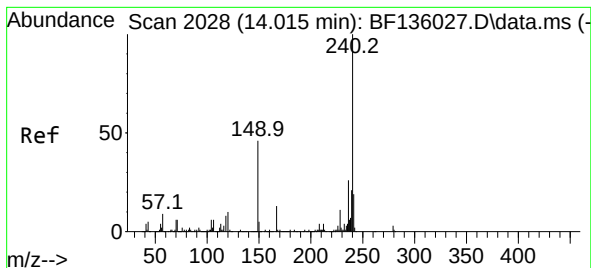
Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Tgt Ion:202 Resp: 746607
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 31.8
 203 17.7 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

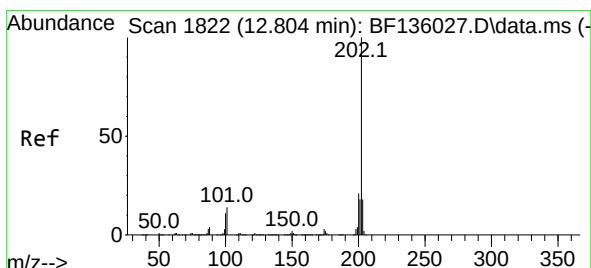
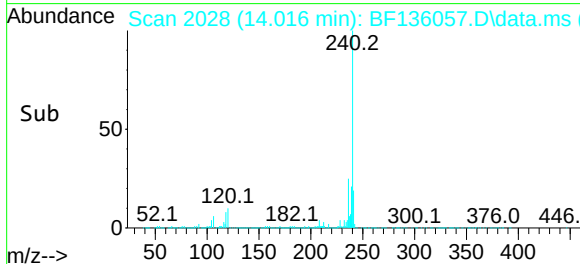
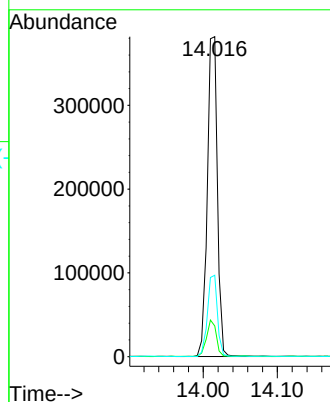
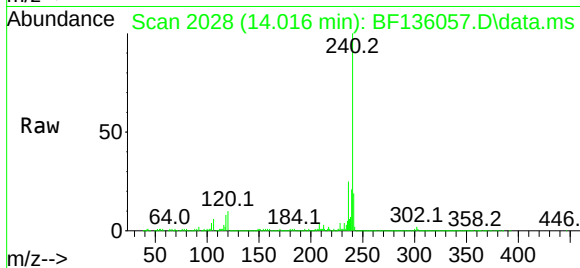
72-11930DL

Tgt Ion:240 Resp: 361617
 Ion Ratio Lower Upper
 240 100
 120 9.6 7.6 11.4
 236 25.4 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#78

Pyrene

Concen: 16.146 ng

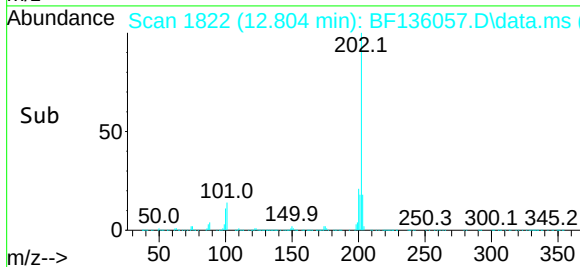
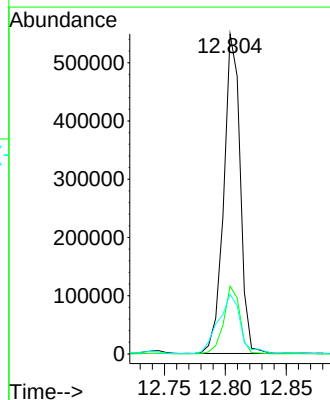
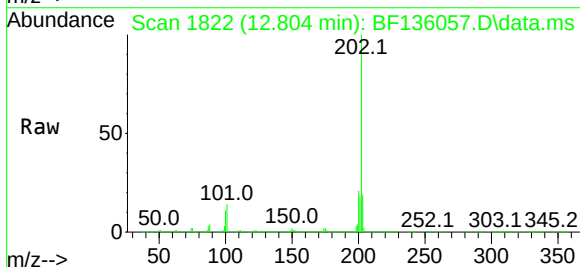
RT: 12.804 min Scan# 1822

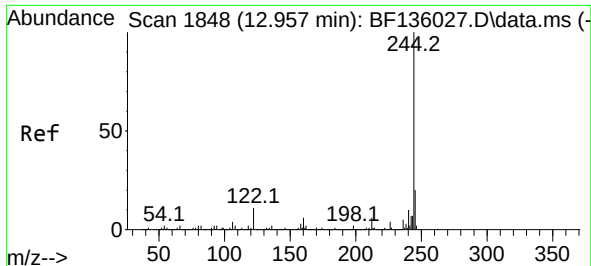
Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

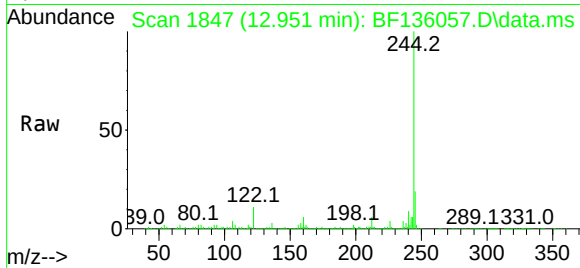
Tgt Ion:202 Resp: 514760
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 18.7 14.4 21.6





#79
 Terphenyl-d14
 Concen: 9.804 ng
 RT: 12.951 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

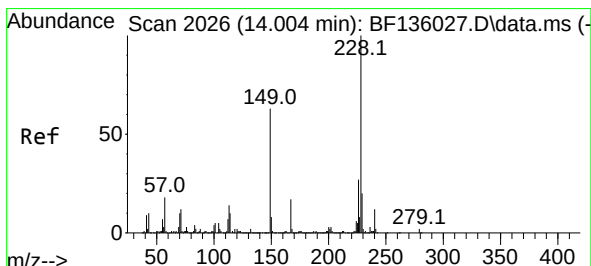
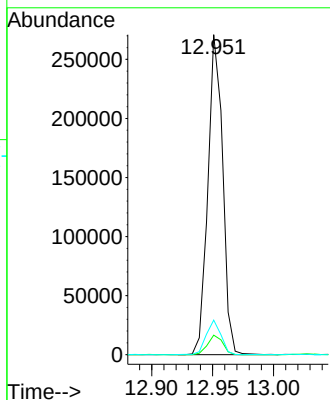
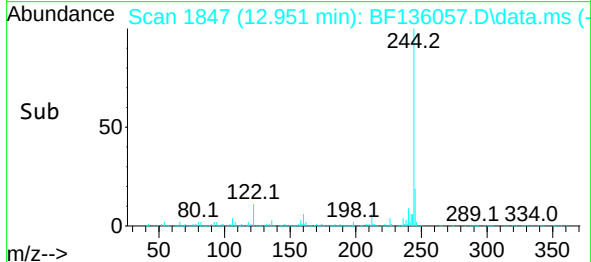
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL



Tgt Ion:244 Resp: 22812
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.1 7.7
 122 10.8 8.6 12.8

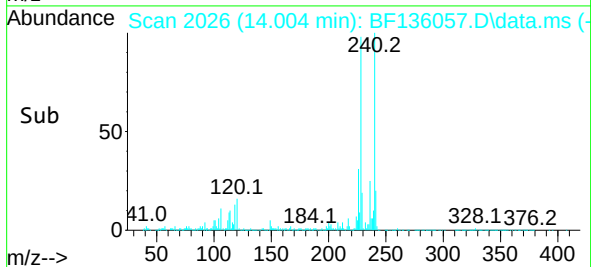
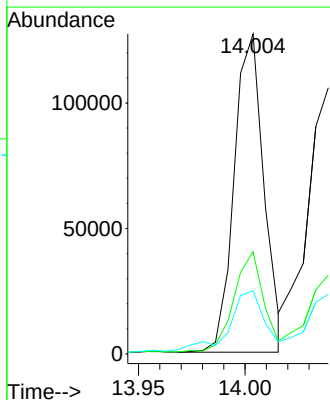
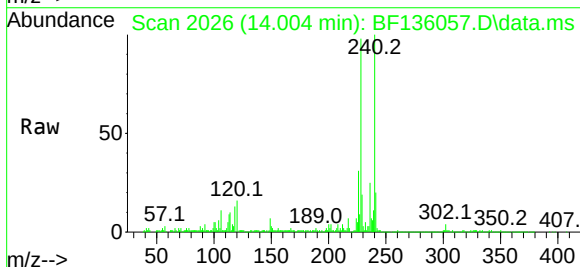
Manual Integrations
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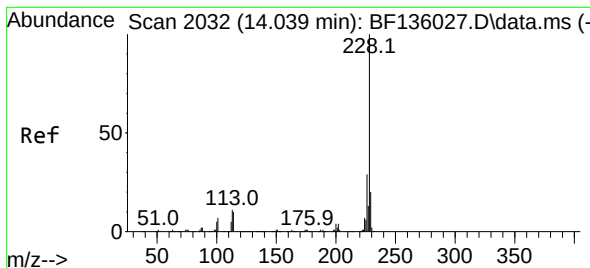
Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#81
 Benzo(a)anthracene
 Concen: 5.140 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

Tgt Ion:228 Resp: 123044
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.5 32.3
 229 19.7 15.8 23.6





#83

Chrysene

Concen: 4.442 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

Tgt Ion:228 Resp: 104739

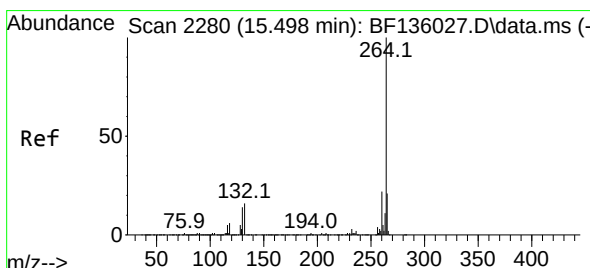
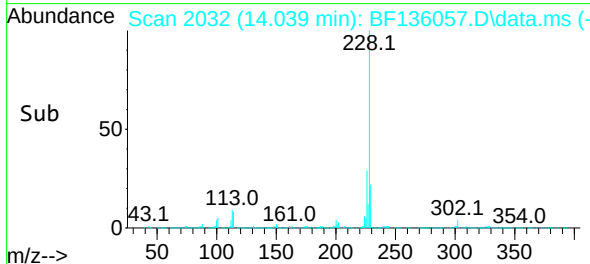
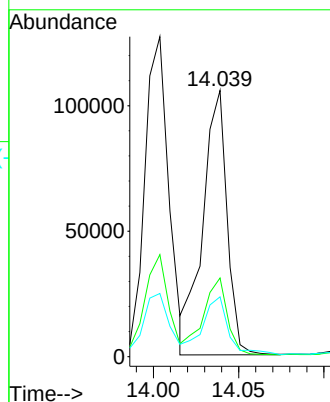
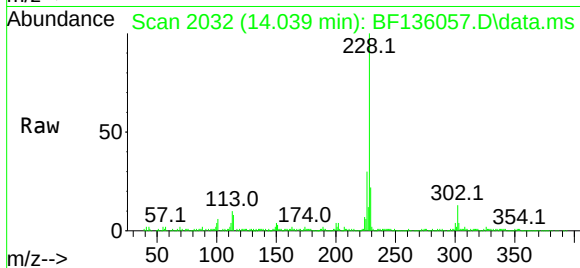
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	22.5	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

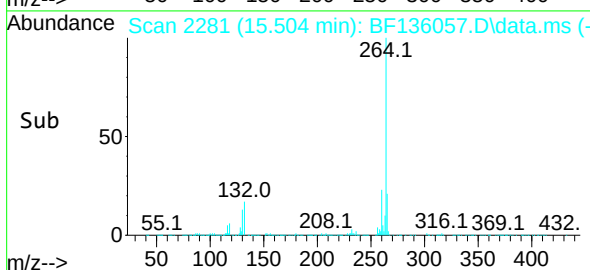
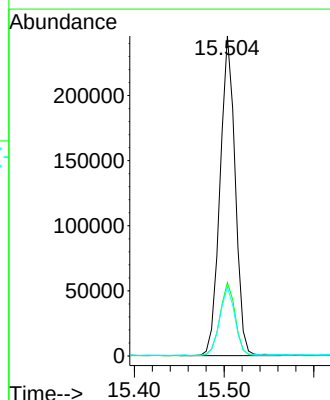
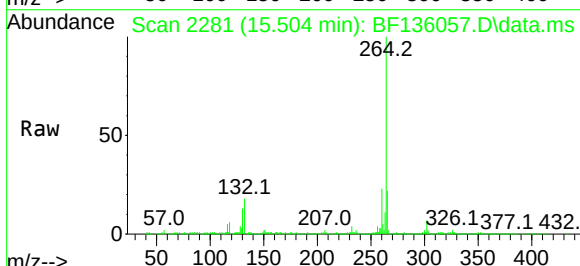
Delta R.T. 0.006 min

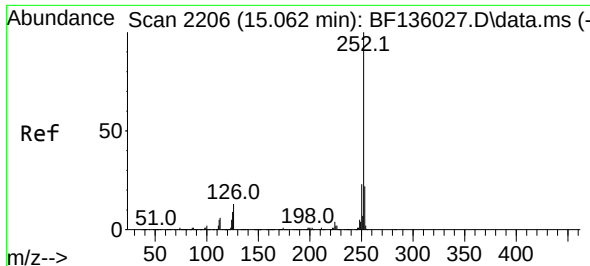
Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Tgt Ion:264 Resp: 288195

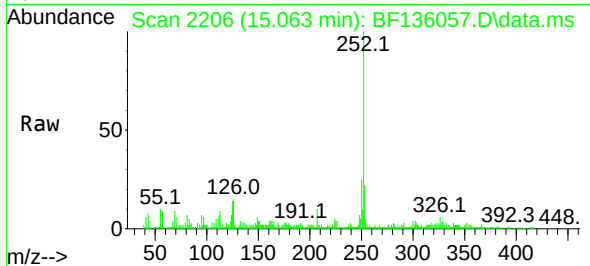
Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.9	26.9
265	21.5	16.8	25.2





#88
Benzo(b)fluoranthene
Concen: 3.303 ng m
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

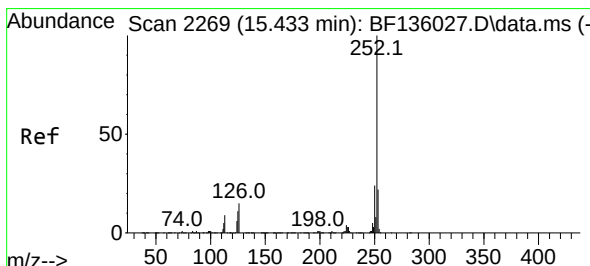
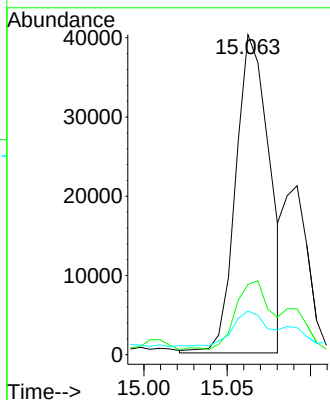
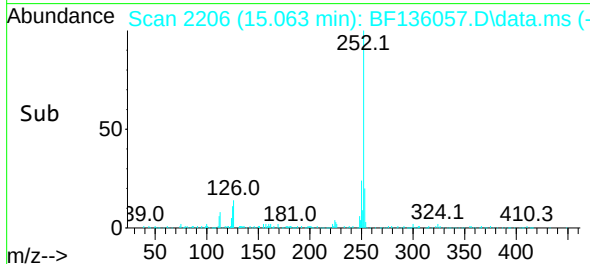
Instrument :
BNA_F
ClientSampleId :
72-11930DL



Tgt Ion:252 Resp: 56320
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 13.6 7.5 11.3

Manual Integrations
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Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#90
Benzo(a)pyrene
Concen: 2.002 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:252 Resp: 31723
Ion Ratio Lower Upper
252 100
253 25.7 17.3 25.9
125 16.2 9.0 13.6

