

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136077.D
 Acq On : 01 Nov 2023 15:27
 Operator : CG\JU
 Sample : 05138-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

Quant Time: Nov 01 15:48:03 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	145735	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	560292	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	277921	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	453314	20.000	ng	0.00
76) Chrysene-d12	14.010	240	287482	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	303352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	790564	85.244	ng	0.00
7) Phenol-d6	6.457	99	971422	84.069	ng	0.00
23) Nitrobenzene-d5	7.386	82	581039	62.515	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	251944	84.931	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1054699	60.495	ng	0.00
79) Terphenyl-d14	12.957	244	904665	48.903	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	280200	10.371	ng	100
37) 2-Methylnaphthalene	8.816	142	47596	2.627	ng	99
71) Phenanthrene	11.374	178	81200	3.558	ng	97
75) Fluoranthene	12.574	202	129079	5.505	ng	98
78) Pyrene	12.804	202	167461	6.607	ng	99
81) Benzo(a)anthracene	13.998	228	90935	4.778	ng	99
83) Chrysene	14.033	228	96147	5.130	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	40010	3.785	ng	# 95
88) Benzo(b)fluoranthene	15.062	252	88470m	4.929	ng	
90) Benzo(a)pyrene	15.439	252	63365	3.799	ng	98
92) Benzo(g,h,i)perylene	17.462	276	30963	4.469	ng	98

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

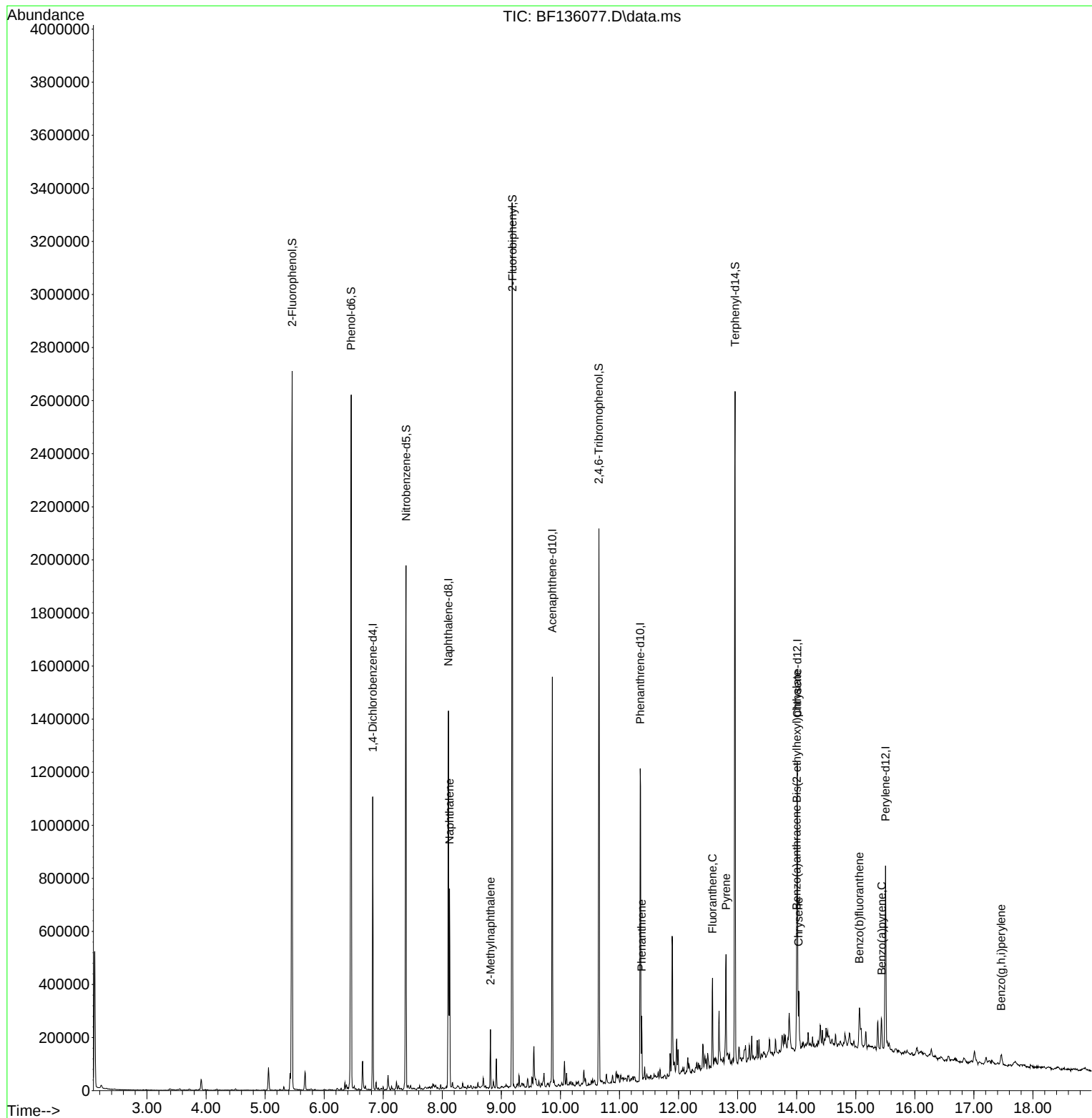
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136077.D
Acq On : 01 Nov 2023 15:27
Operator : CG\JU
Sample : 05138-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
348

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

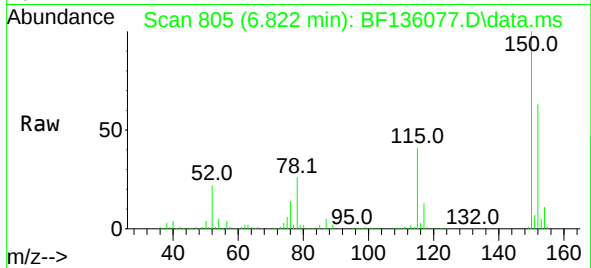
Quant Time: Nov 01 15:48:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

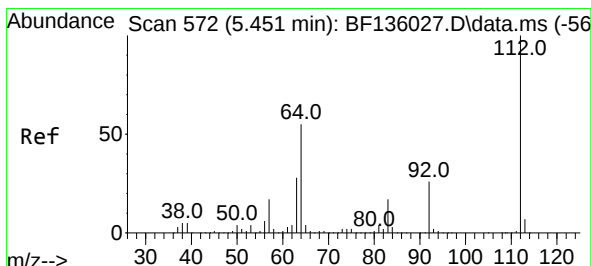
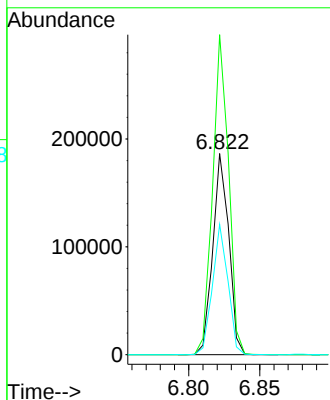
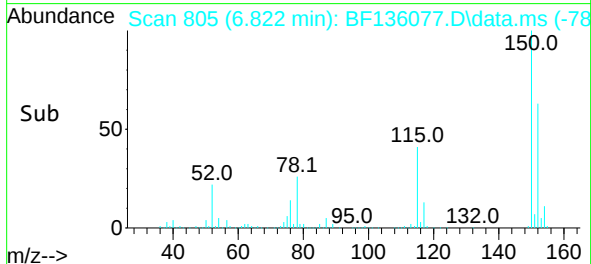
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:152 Resp: 145738
Ion Ratio Lower Upper
152 100
150 159.1 126.4 189.6
115 64.8 47.0 70.4

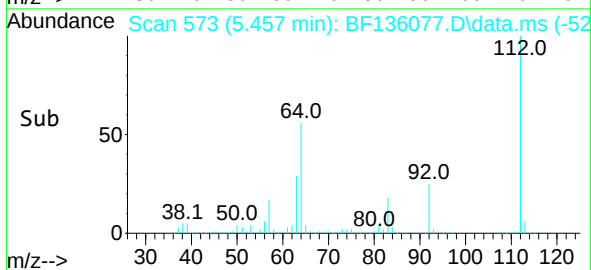
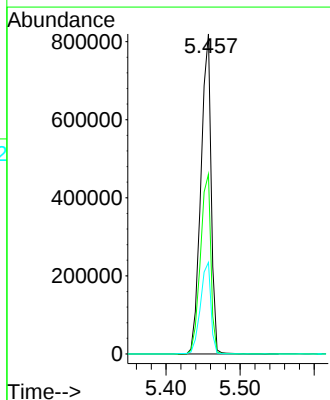
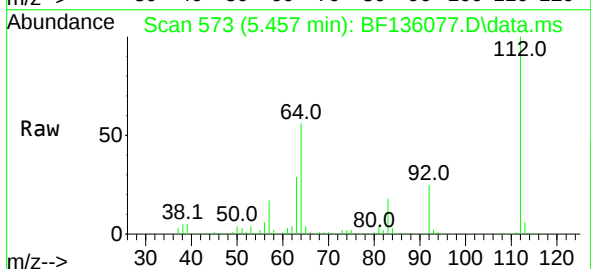
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#5
2-Fluorophenol
Concen: 85.244 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

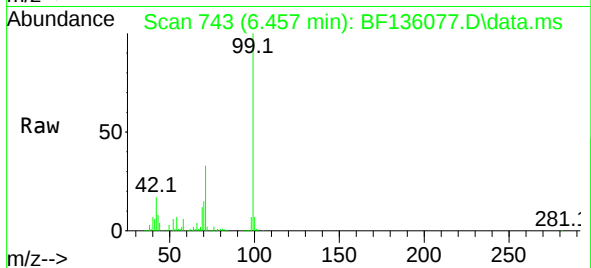
Tgt Ion:112 Resp: 790564
Ion Ratio Lower Upper
112 100
64 56.2 43.9 65.9
63 28.6 22.4 33.6





#7
Phenol-d6
Concen: 84.069 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

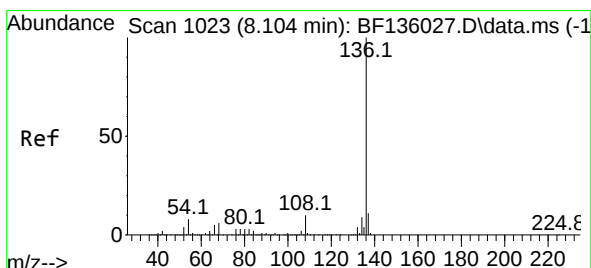
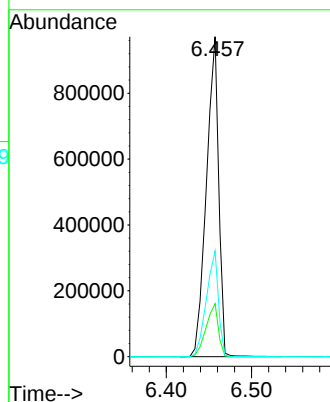
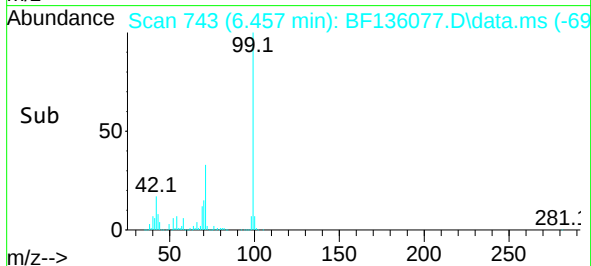
Instrument :
BNA_F
ClientSampleId :
348



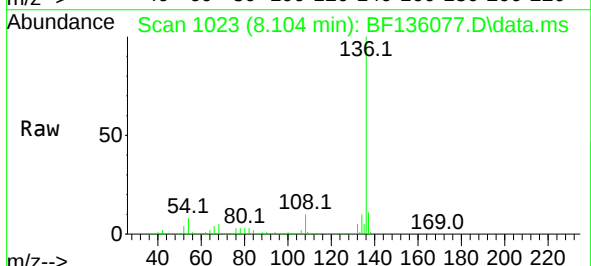
Tgt Ion: 99 Resp: 97142
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 33.0 25.9 38.9

Manual Integrations
APPROVED

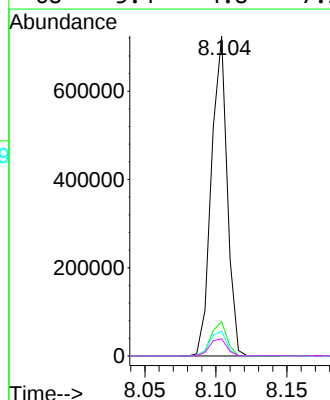
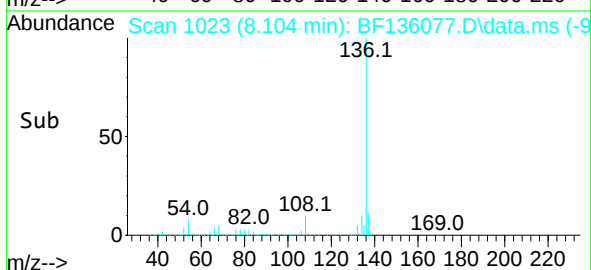
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27



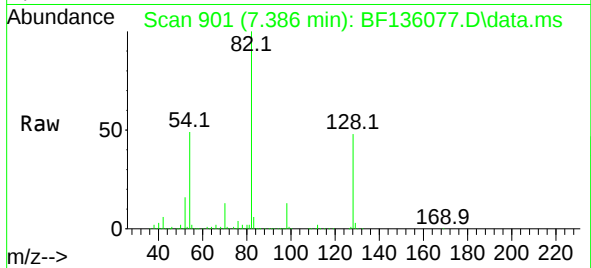
Tgt Ion:136 Resp: 560292
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.7 6.6 9.8
68 5.4 4.8 7.2





#23
Nitrobenzene-d5
Concen: 62.515 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

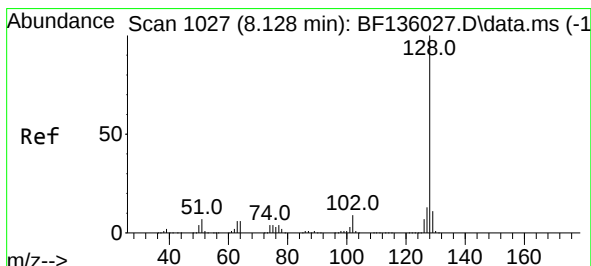
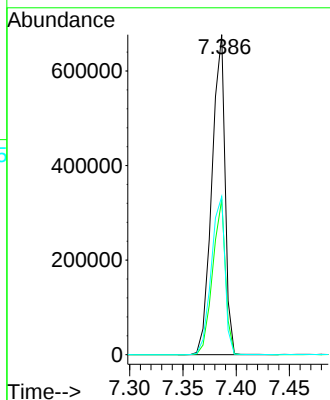
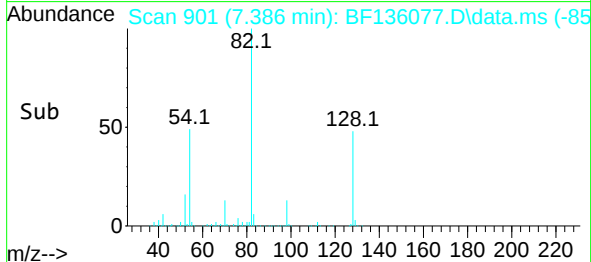
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion: 82 Resp: 581039
Ion Ratio Lower Upper
82 100
128 48.4 38.6 57.8
54 49.4 40.8 61.2

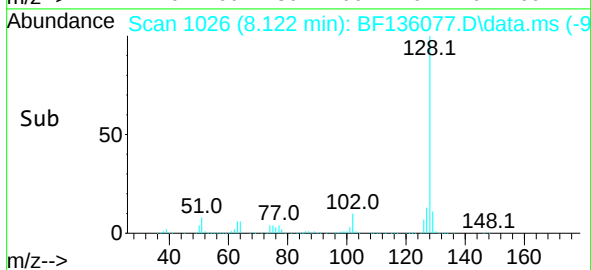
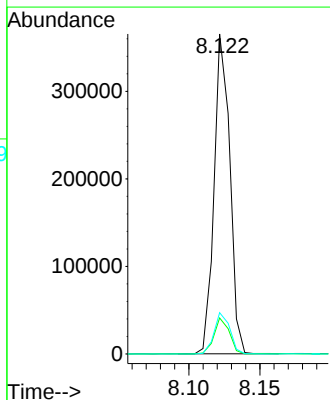
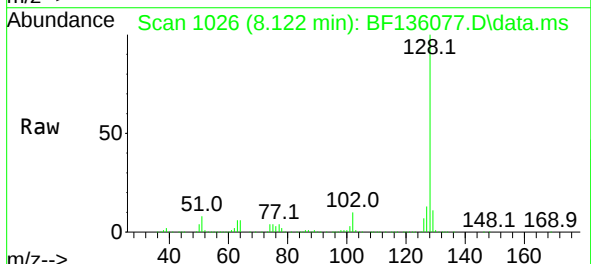
Manual Integrations
APPROVED

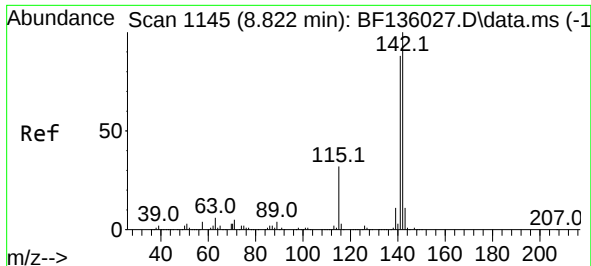
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#31
Naphthalene
Concen: 10.371 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:128 Resp: 280200
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 12.9 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.627 ng

RT: 8.816 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion:142 Resp: 47590

Ion Ratio Lower Upper

142 100

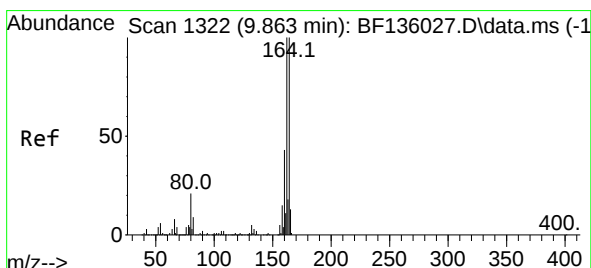
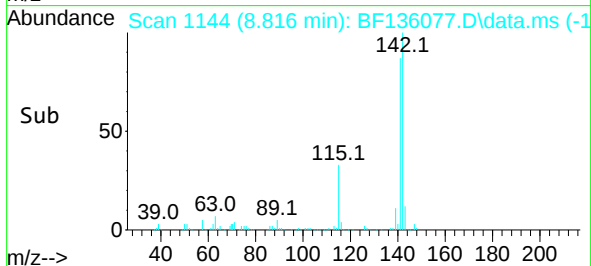
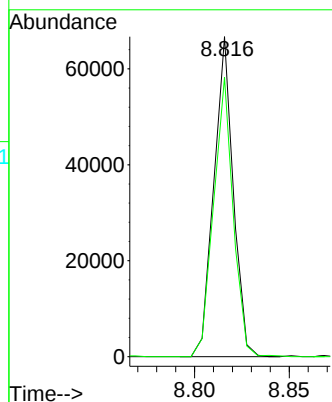
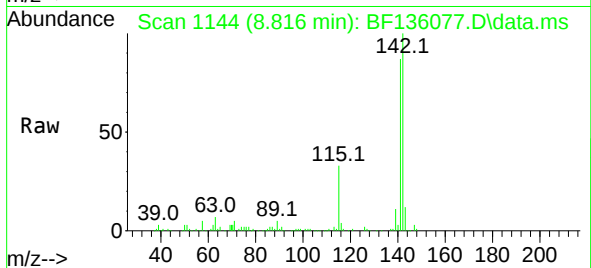
141 87.3 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

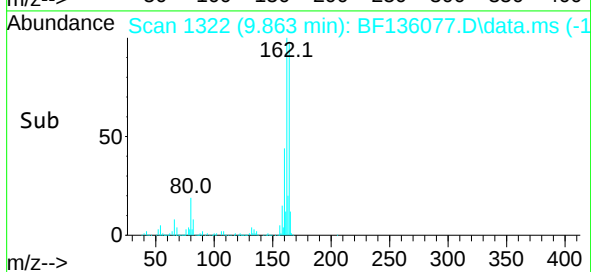
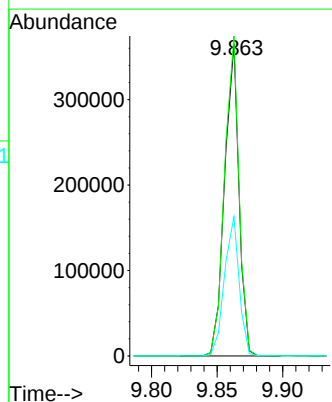
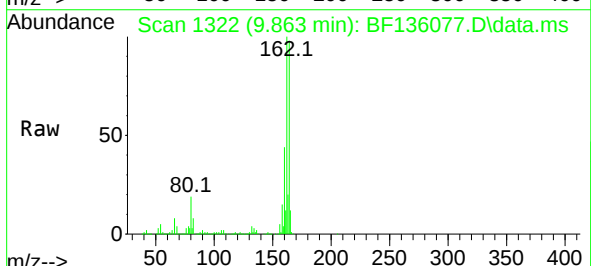
Tgt Ion:164 Resp: 277921

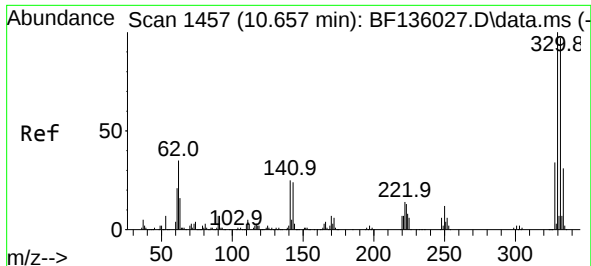
Ion Ratio Lower Upper

164 100

162 102.5 80.1 120.1

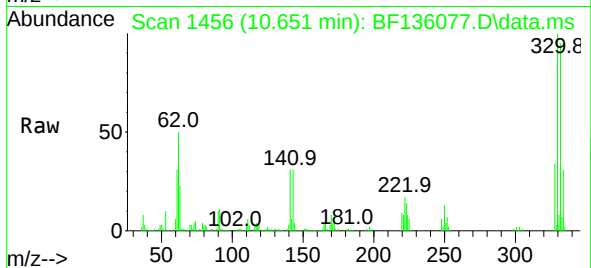
160 44.7 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 84.931 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

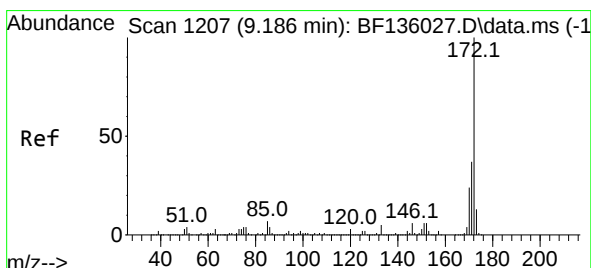
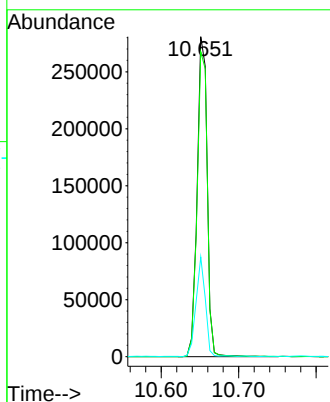
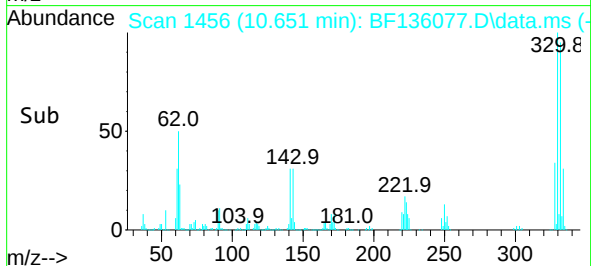
Instrument :
BNA_F
ClientSampleId :
348



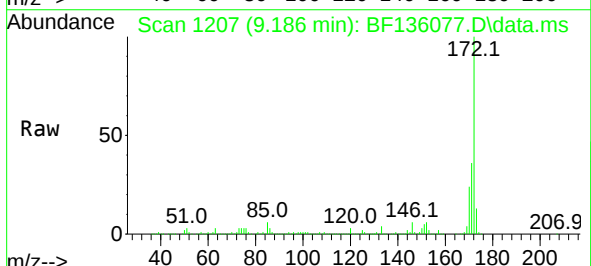
Tgt Ion:330 Resp: 251944
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 28.9 23.2 34.8

Manual Integrations
APPROVED

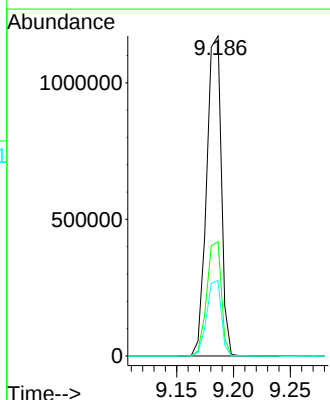
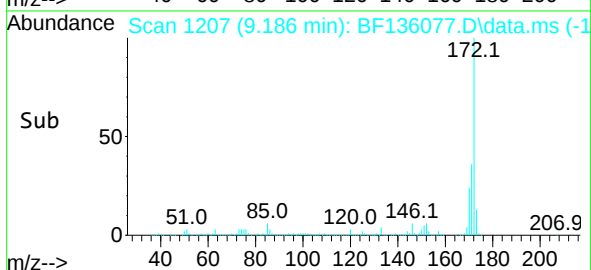
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

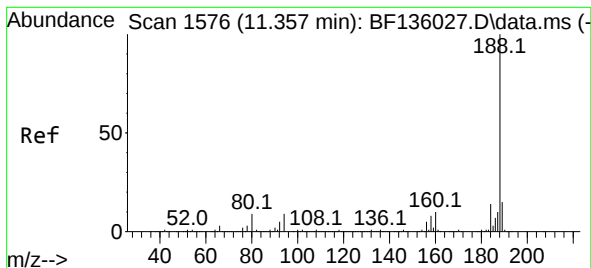


#45
2-Fluorobiphenyl
Concen: 60.495 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27



Tgt Ion:172 Resp: 1054699
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.6 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion:188 Resp: 453314

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

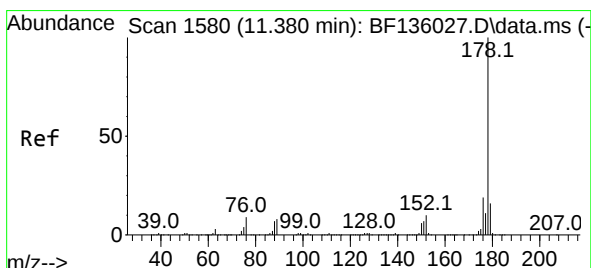
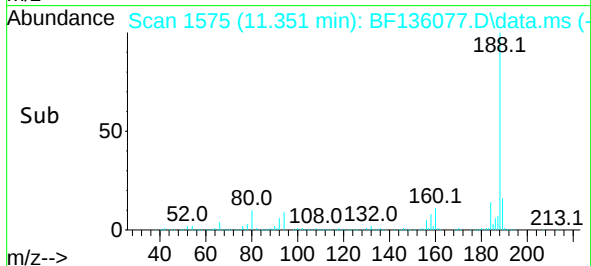
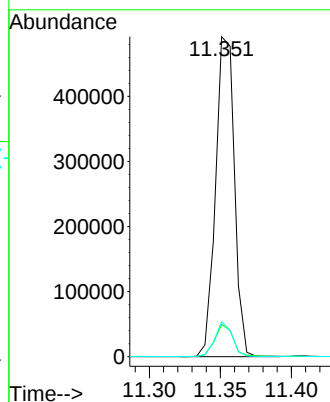
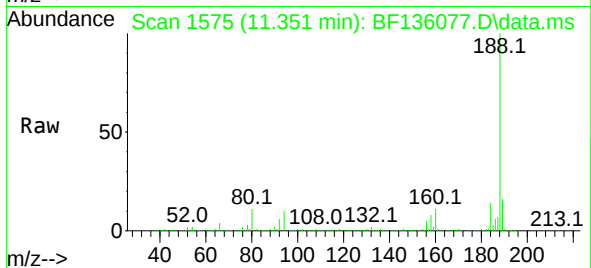
80 10.9 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#71

Phenanthrene

Concen: 3.558 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

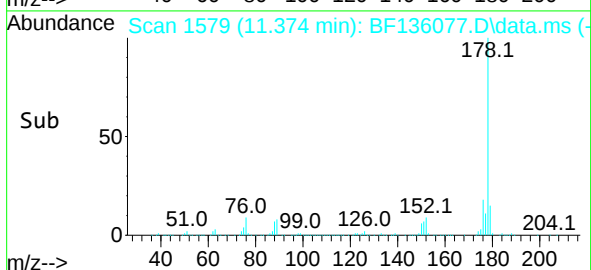
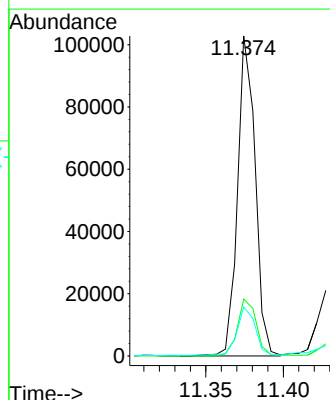
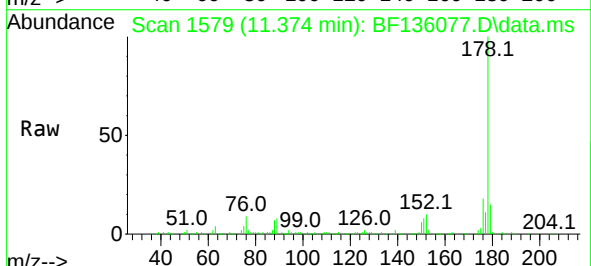
Tgt Ion:178 Resp: 81200

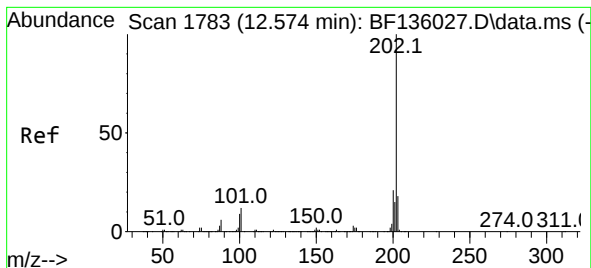
Ion Ratio Lower Upper

178 100

176 17.8 15.5 23.3

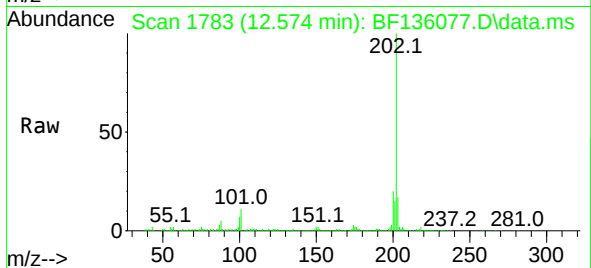
179 15.4 12.9 19.3





#75
Fluoranthene
Concen: 5.505 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

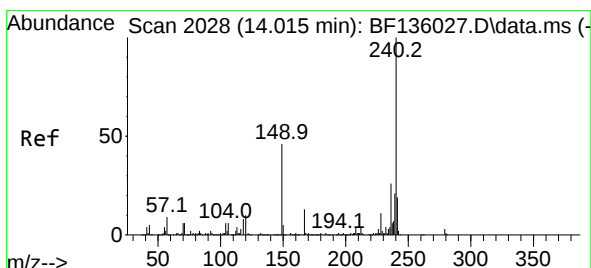
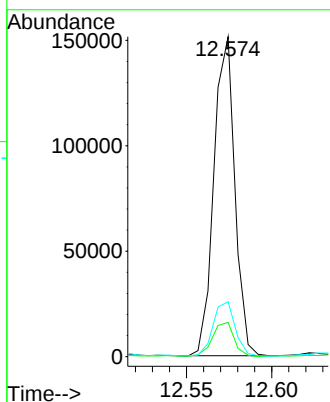
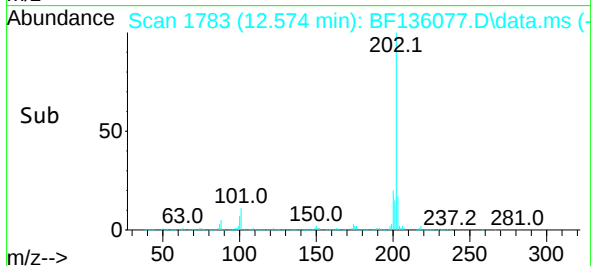
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:202 Resp: 129079
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.8
203 17.2 0.0 37.9

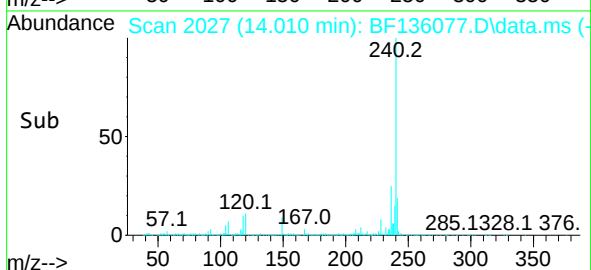
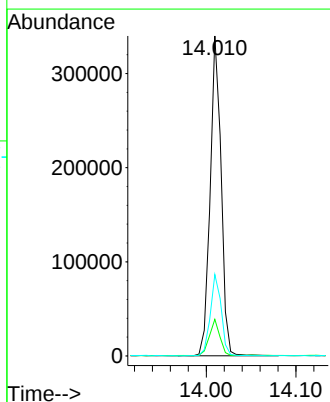
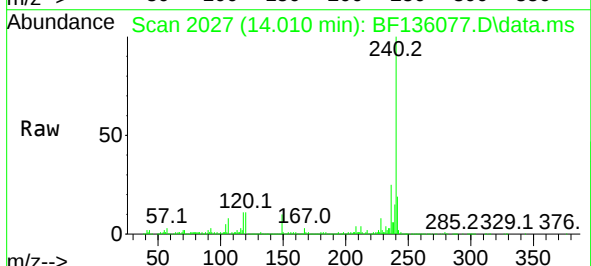
Manual Integrations
APPROVED

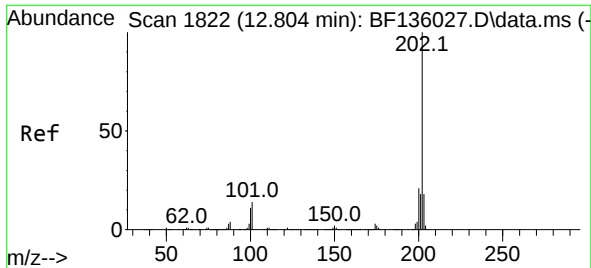
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

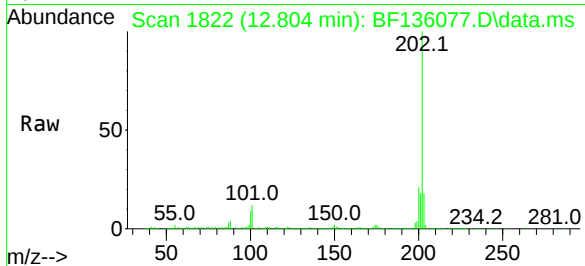
Tgt Ion:240 Resp: 287482
Ion Ratio Lower Upper
240 100
120 11.5 7.6 11.4#
236 25.4 20.6 31.0





#78
 Pyrene
 Concen: 6.607 ng
 RT: 12.804 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF136077.D
 Acq: 01 Nov 2023 15:27

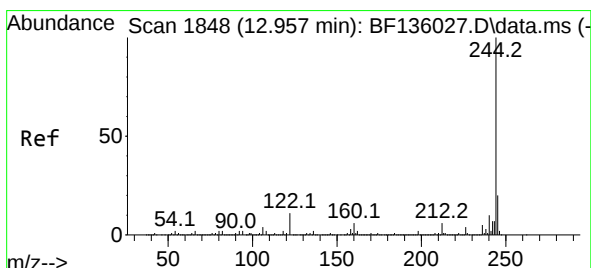
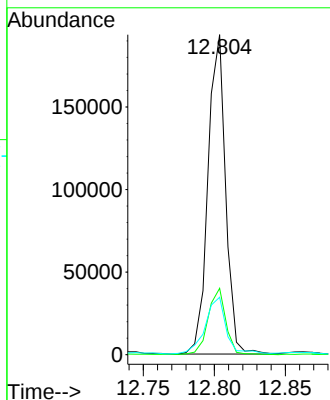
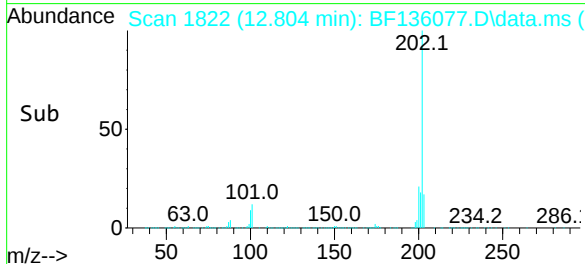
Instrument :
 BNA_F
 ClientSampleId :
 348



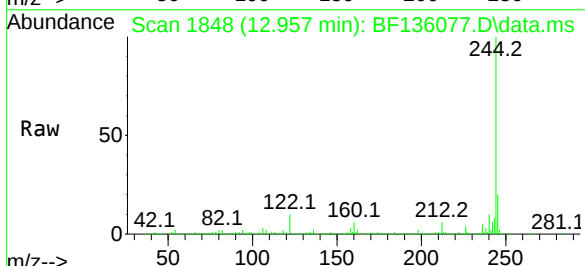
Tgt Ion:202 Resp: 16746
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.4
 203 18.0 14.4 21.6

Manual Integrations
 APPROVED

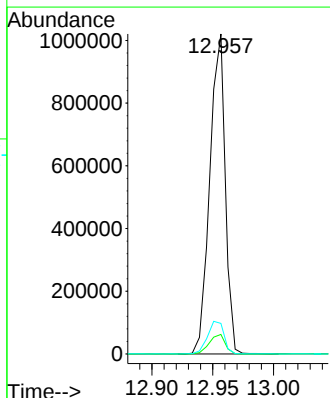
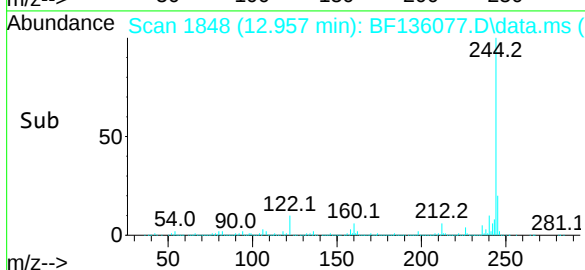
Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

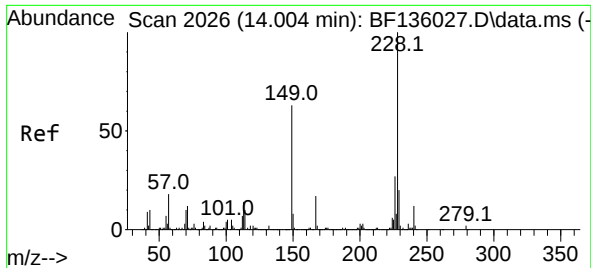


#79
 Terphenyl-d14
 Concen: 48.903 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF136077.D
 Acq: 01 Nov 2023 15:27



Tgt Ion:244 Resp: 904665
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.1 7.7
 122 9.5 8.6 12.8





#81
Benzo(a)anthracene
Concen: 4.778 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

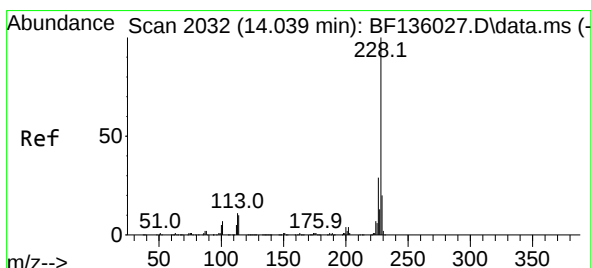
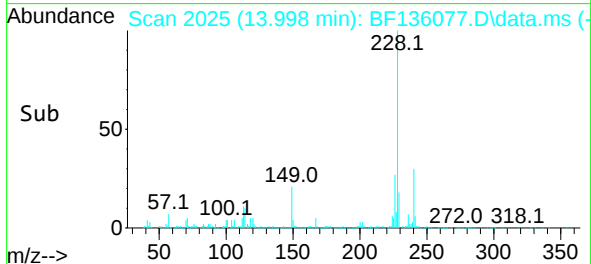
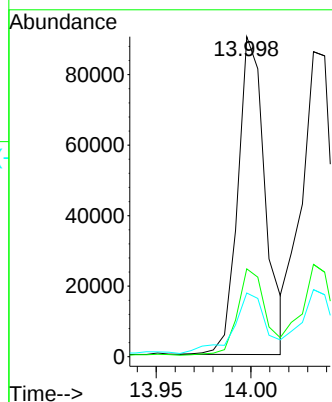
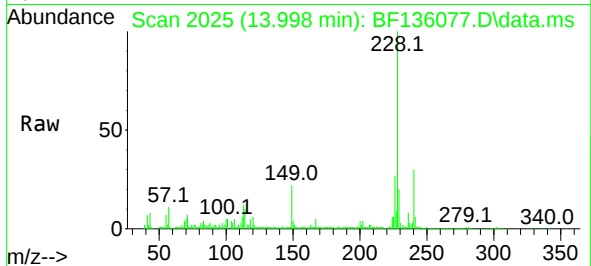
348

Tgt Ion:228 Resp: 9093
Ion Ratio Lower Upper
228 100
226 27.5 21.5 32.3
229 19.9 15.8 23.6

Manual Integrations

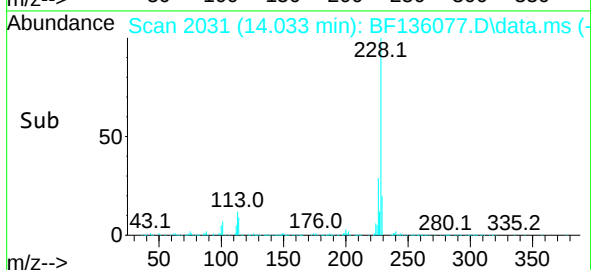
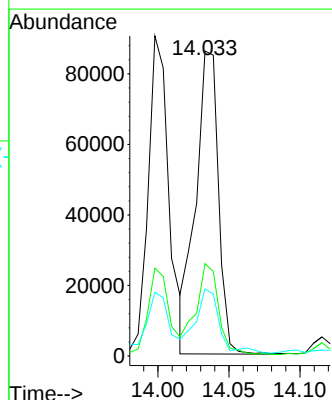
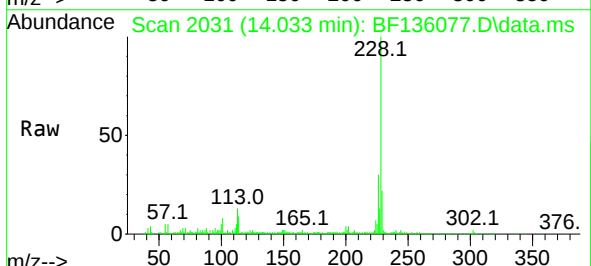
APPROVED

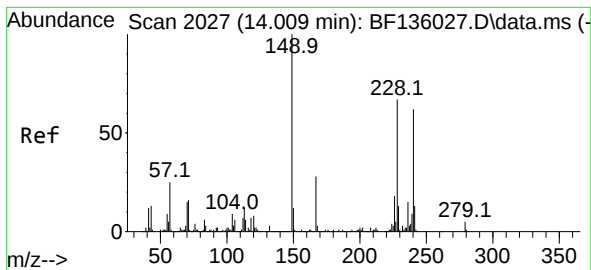
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#83
Chrysene
Concen: 5.130 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

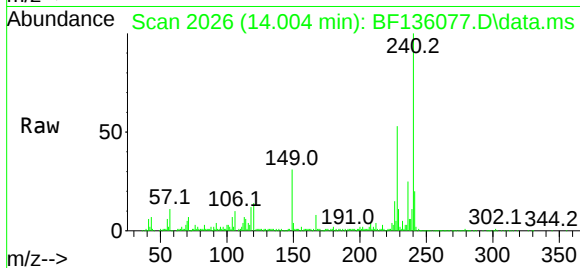
Tgt Ion:228 Resp: 96147
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 22.0 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.785 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

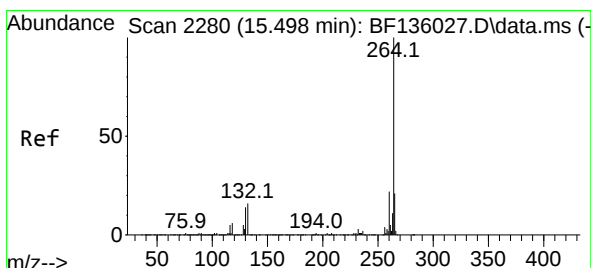
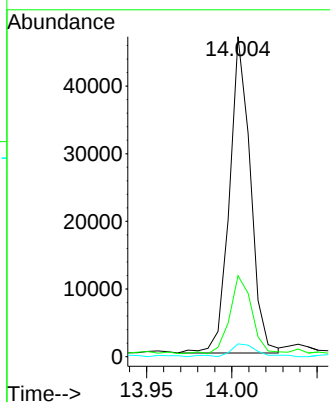
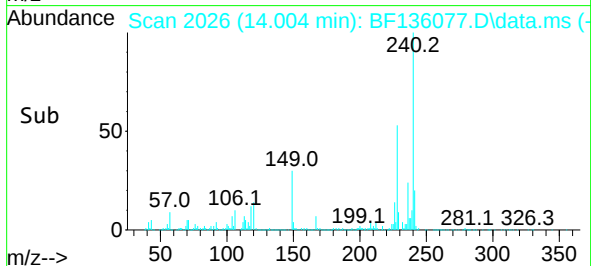
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:149 Resp: 40010
Ion Ratio Lower Upper
149 100
167 25.3 22.6 33.8
279 4.0 4.1 6.1

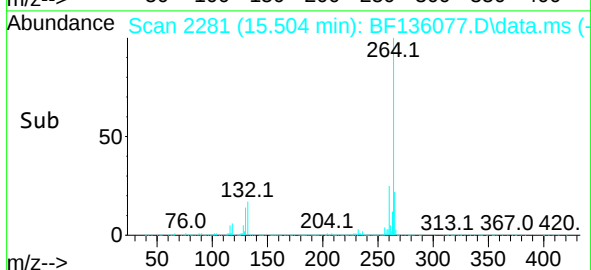
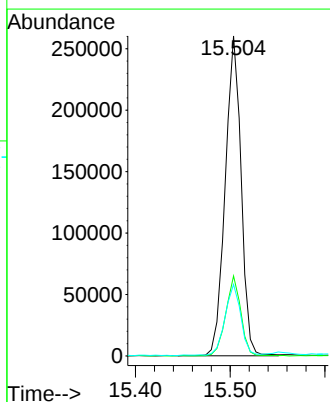
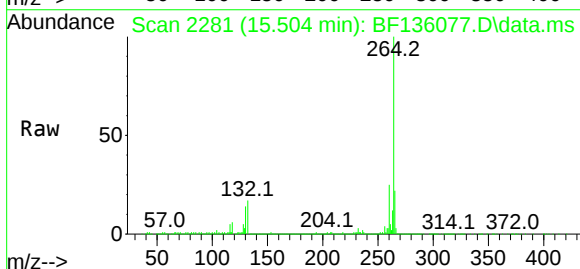
Manual Integrations
APPROVED

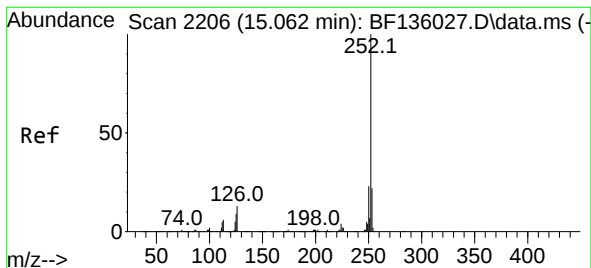
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:264 Resp: 303352
Ion Ratio Lower Upper
264 100
260 25.0 17.9 26.9
265 22.3 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 4.929 ng m

RT: 15.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

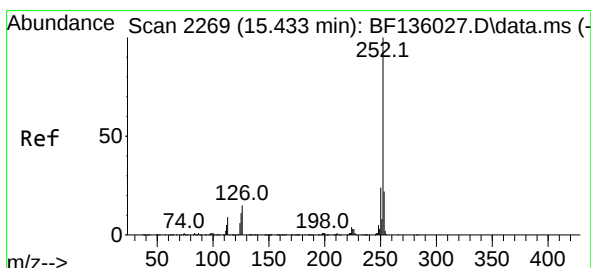
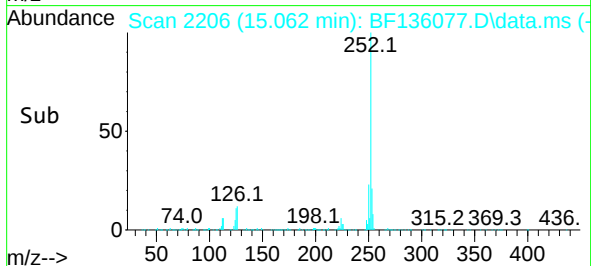
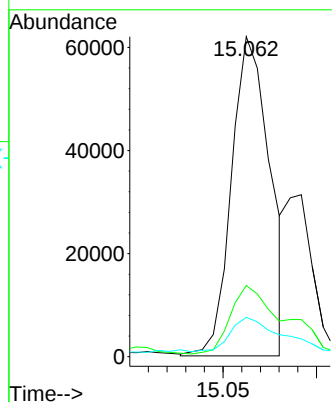
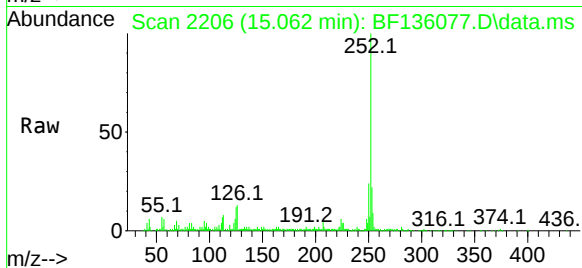
Tgt Ion:	252	Resp:	88470
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.7	26.5
125	12.3	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#90

Benzo(a)pyrene

Concen: 3.799 ng

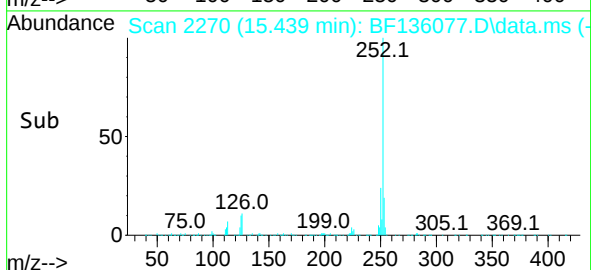
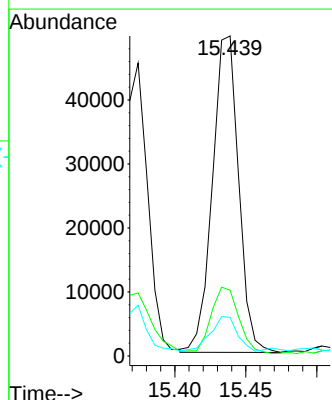
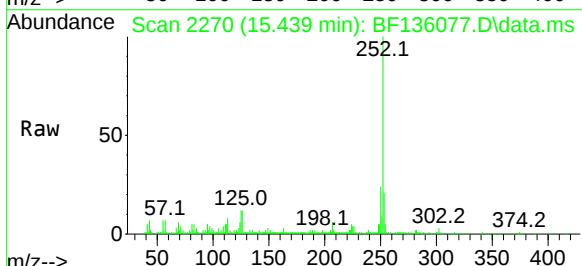
RT: 15.439 min Scan# 2270

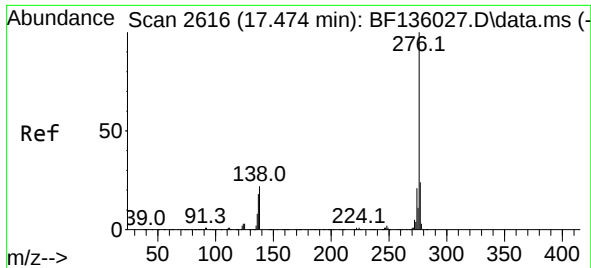
Delta R.T. 0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

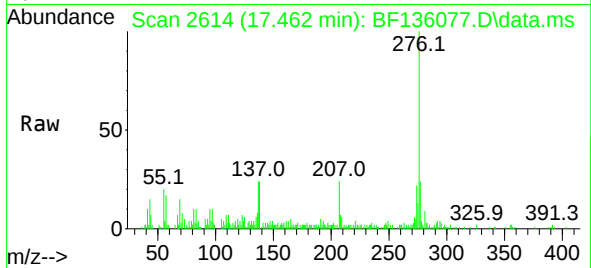
Tgt Ion:	252	Resp:	63365
Ion Ratio	Lower	Upper	
252	100		
253	20.5	17.3	25.9
125	12.1	9.0	13.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.469 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136077.D
 Acq: 01 Nov 2023 15:27

Instrument :
 BNA_F
 ClientSampleId :
 348



Tgt Ion:276 Resp: 3096
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.0 28.4
 138 24.2 17.4 26.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

