

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136326.D
 Acq On : 30 Nov 2023 21:49
 Operator : CG\JU
 Sample : 05434-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 00:14:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	96039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	316845	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	147772	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	301499	20.000	ng	0.00
76) Chrysene-d12	13.986	240	236337	20.000	ng	0.00
86) Perylene-d12	15.474	264	160169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	451317	65.407	ng	0.00
7) Phenol-d6	6.440	99	497052	57.611	ng	0.00
23) Nitrobenzene-d5	7.363	82	294776	49.163	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	134315	74.345	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	555547	48.020	ng	0.00
79) Terphenyl-d14	12.927	244	810277	39.547	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	51937	3.065	ng	97
75) Fluoranthene	12.551	202	109648	6.374	ng	96
78) Pyrene	12.780	202	96664	3.735	ng	95
81) Benzo(a)anthracene	13.974	228	49565	2.824	ng	# 89
83) Chrysene	14.010	228	44569	2.630	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.974	276	23472	4.530	ng	96
88) Benzo(b)fluoranthene	15.033	252	47471m	4.224	ng	
90) Benzo(a)pyrene	15.404	252	29078	3.165	ng	# 83
91) Dibenzo(a,h)anthracene	16.986	278	8458	3.544	ng	# 56
92) Benzo(g,h,i)perylene	17.439	276	22043	4.096	ng	# 83

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

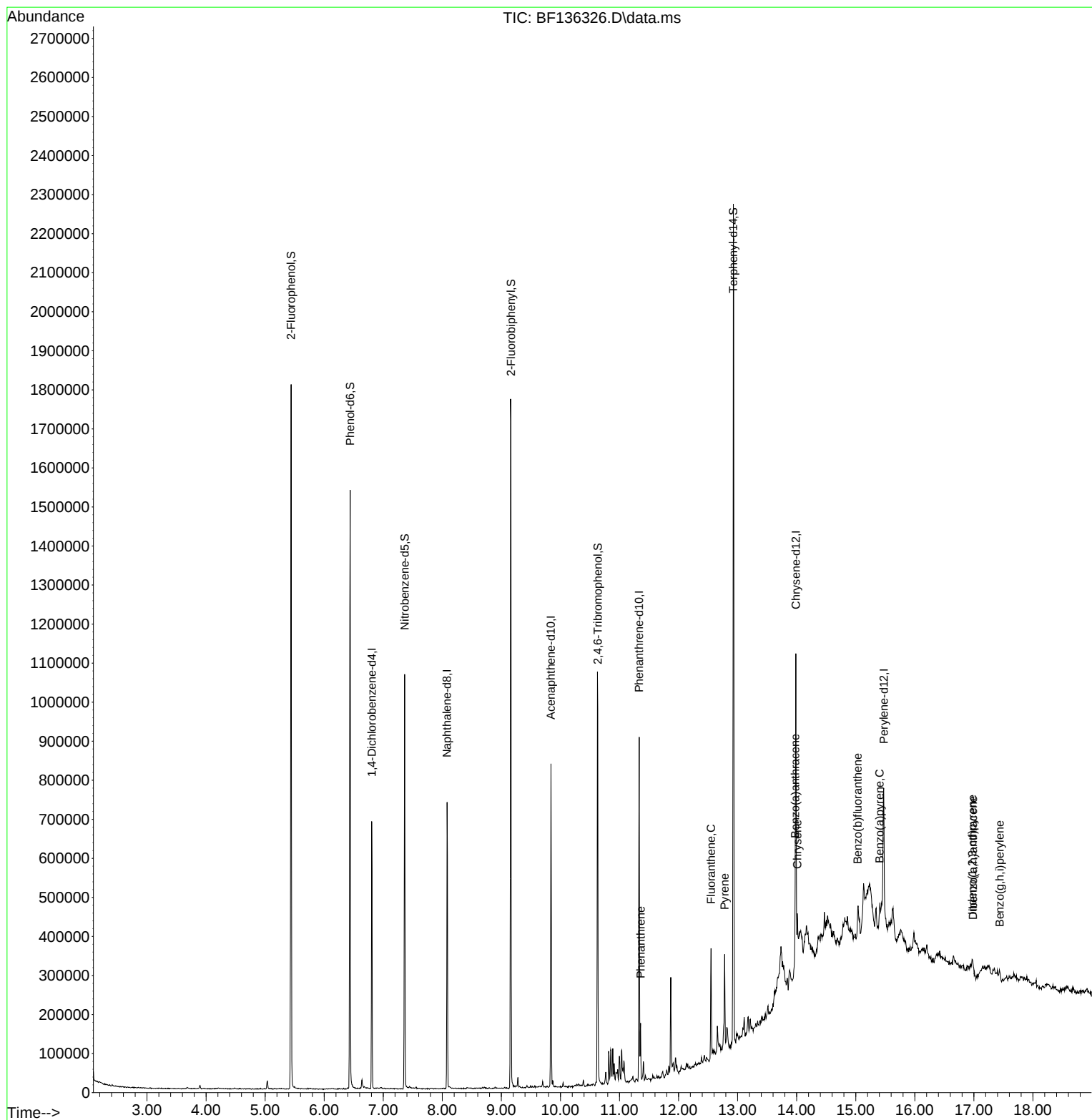
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136326.D
Acq On : 30 Nov 2023 21:49
Operator : CG\JU
Sample : 05434-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

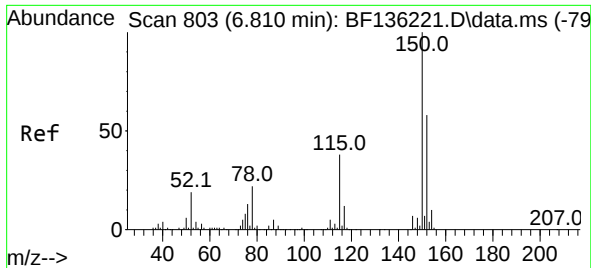
Instrument :
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ClientSampleId :
COMP-1

Quant Time: Dec 01 00:14:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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QLast Update : Tue Nov 28 03:04:20 2023
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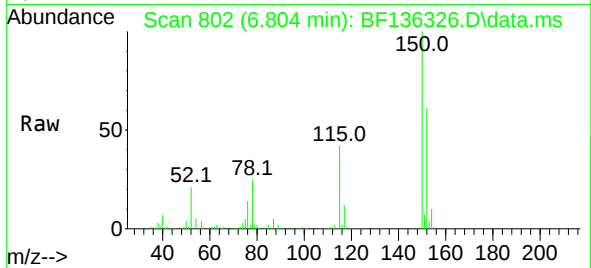
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

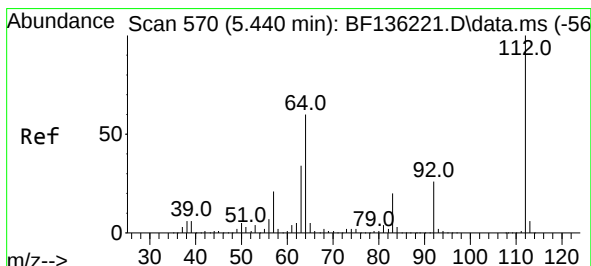
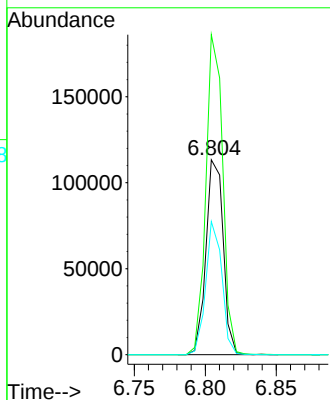
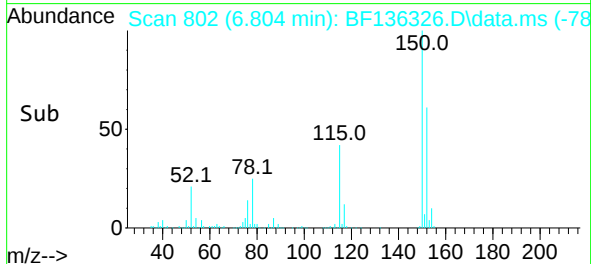
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 96039
Ion Ratio Lower Upper
152 100
150 164.2 137.8 206.8
115 68.3 52.7 79.1

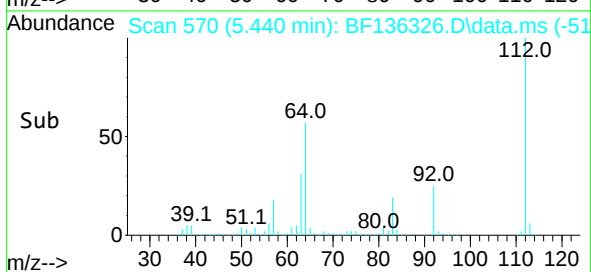
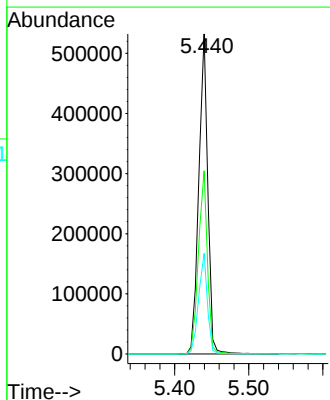
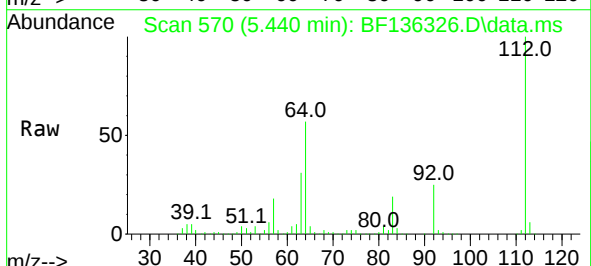
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#5
2-Fluorophenol
Concen: 65.407 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

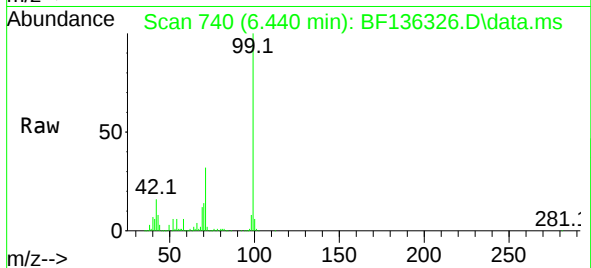
Tgt Ion:112 Resp: 451317
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.4
63 31.5 27.0 40.6





#7
Phenol-d6
Concen: 57.611 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

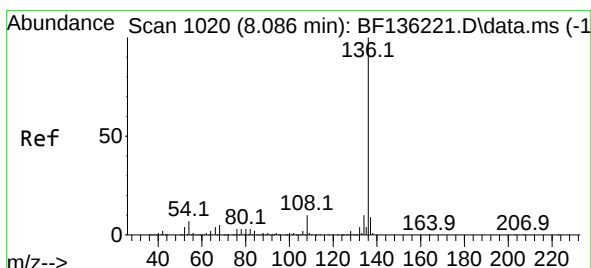
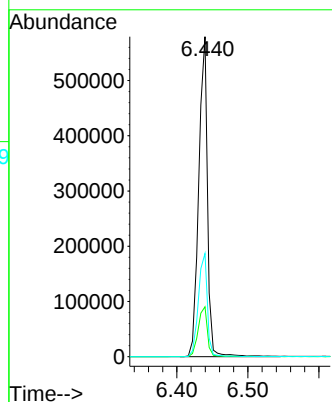
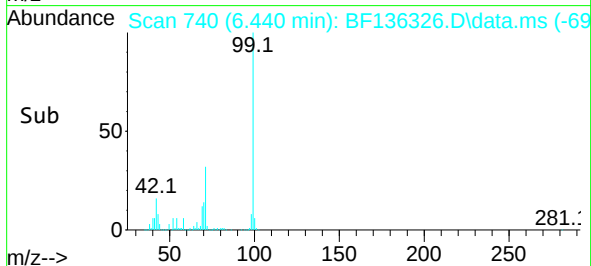
Instrument :
BNA_F
ClientSampleId :
COMP-1



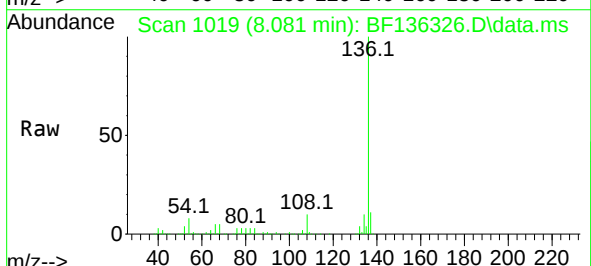
Tgt Ion: 99 Resp: 497052
Ion Ratio Lower Upper
99 100
42 15.6 15.0 22.6
71 32.2 28.9 43.3

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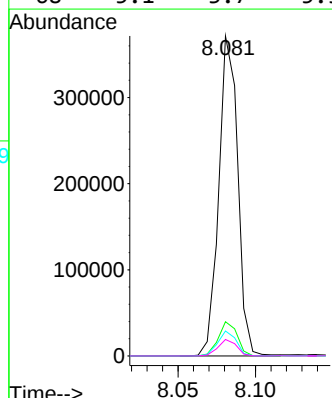
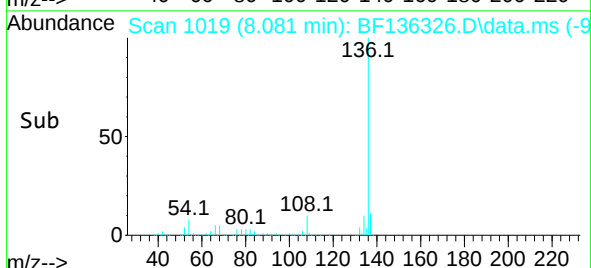
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49



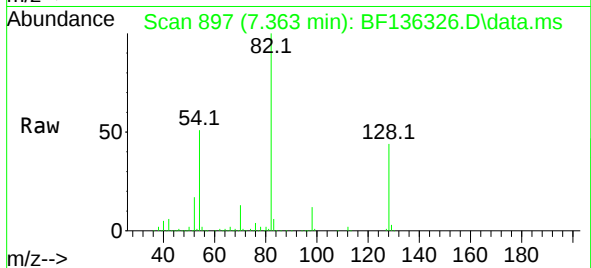
Tgt Ion:136 Resp: 316845
Ion Ratio Lower Upper
136 100
137 10.7 7.4 11.2
54 7.8 5.5 8.3
68 5.1 3.7 5.5





#23
Nitrobenzene-d5
Concen: 49.163 ng
RT: 7.363 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

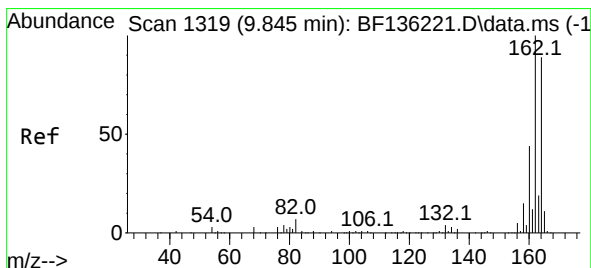
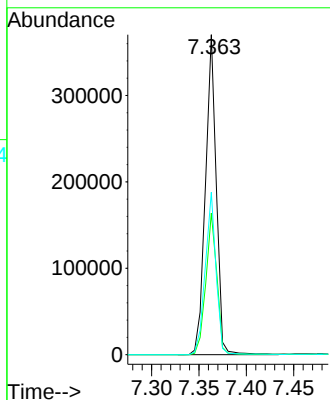
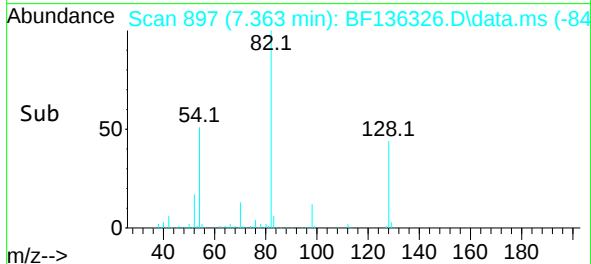
Instrument :
BNA_F
ClientSampleId :
COMP-1



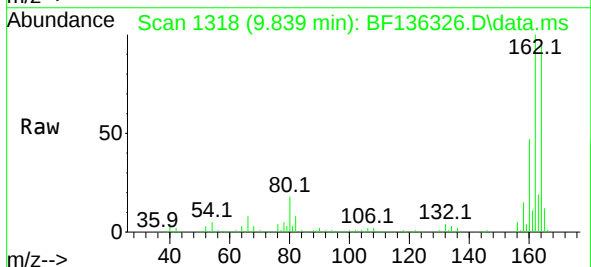
Tgt Ion: 82 Resp: 294770
Ion Ratio Lower Upper
82 100
128 44.2 33.4 50.2
54 50.8 41.7 62.5

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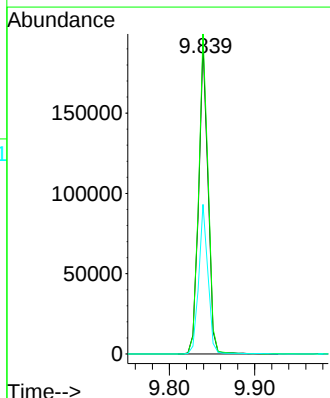
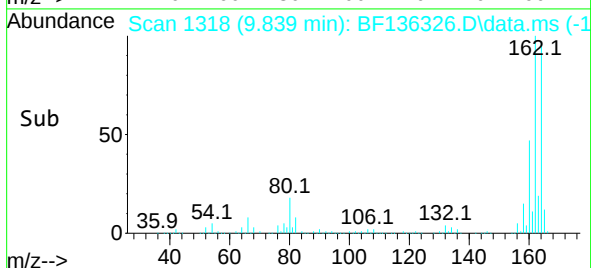
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49



Tgt Ion:164 Resp: 147772
Ion Ratio Lower Upper
164 100
162 103.1 89.5 134.3
160 48.2 39.6 59.4





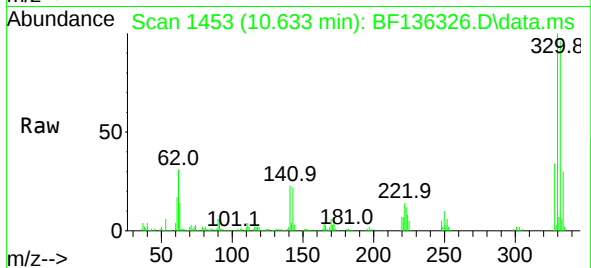
#42
2,4,6-Tribromophenol
Concen: 74.345 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

COMP-1

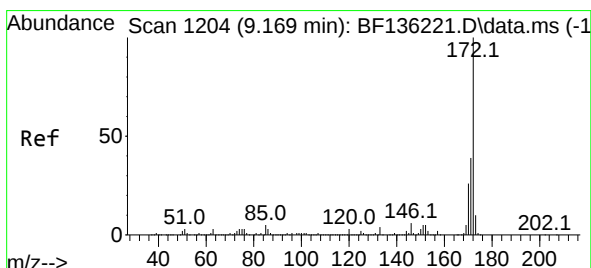
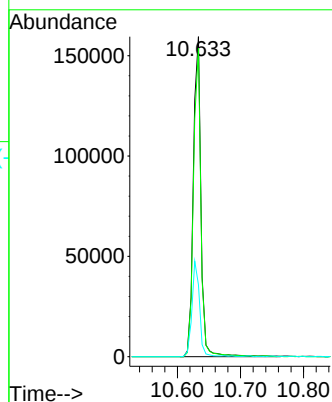
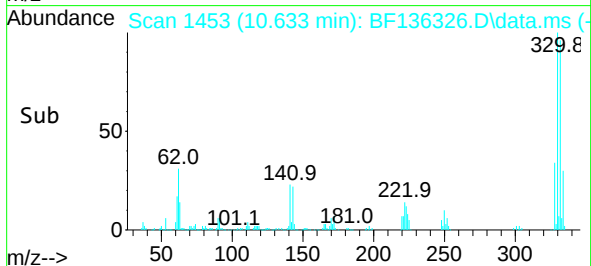


Tgt Ion:330 Resp: 134315
Ion Ratio Lower Upper
330 100
332 94.4 73.0 109.6
141 30.1 24.2 36.2

Manual Integrations

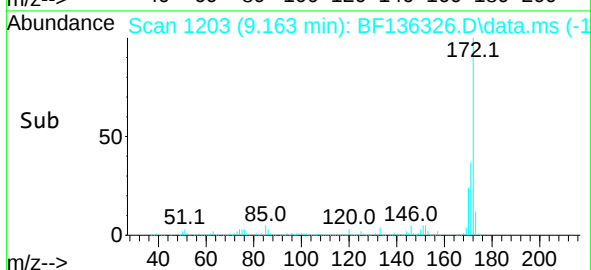
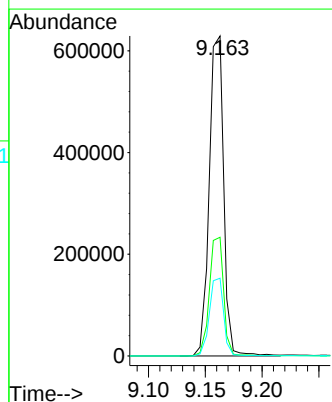
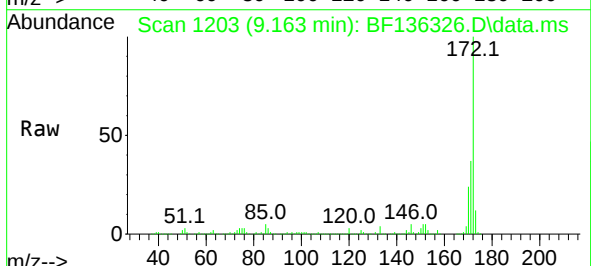
APPROVED

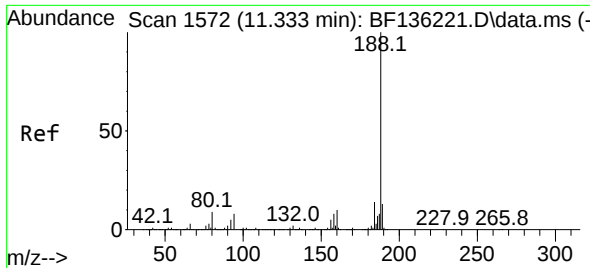
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#45
2-Fluorobiphenyl
Concen: 48.020 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

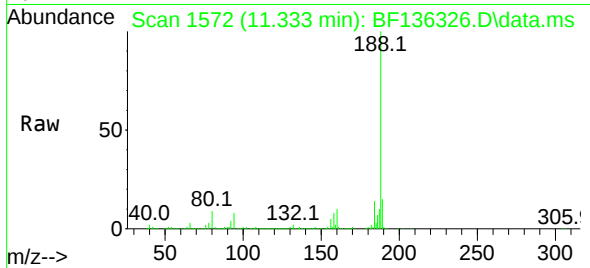
Tgt Ion:172 Resp: 555547
Ion Ratio Lower Upper
172 100
171 37.1 31.5 47.3
170 24.3 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

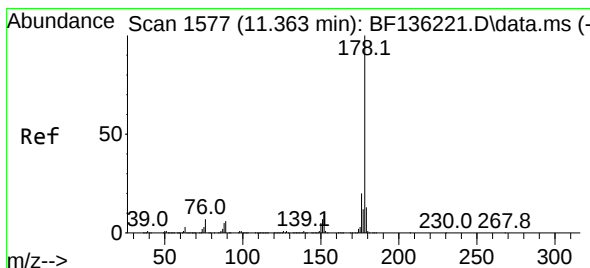
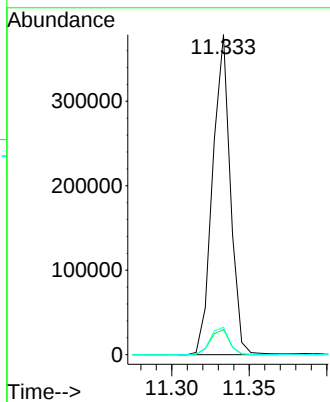
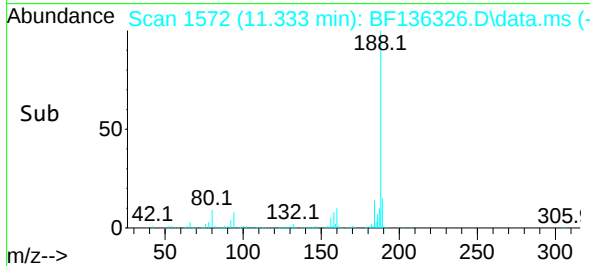
Instrument :
BNA_F
ClientSampleId :
COMP-1



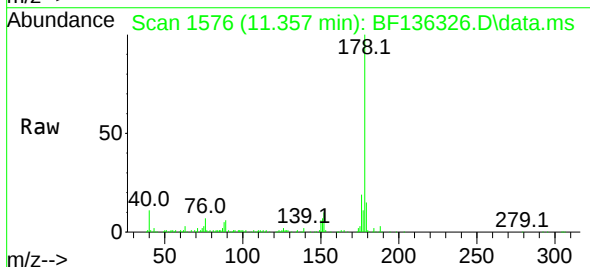
Tgt Ion:188 Resp: 301499
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.5 7.2 10.8

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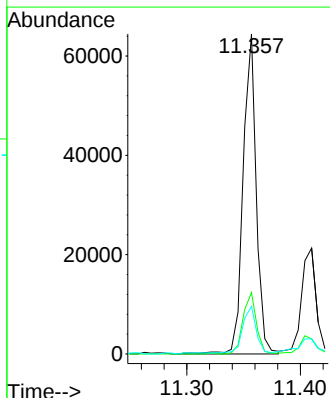
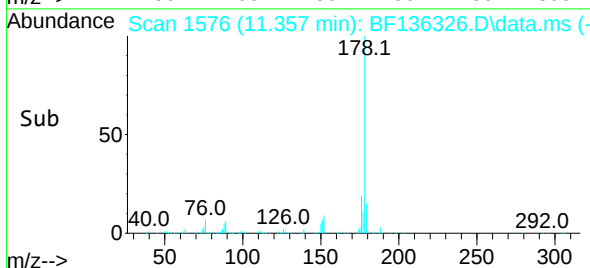
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

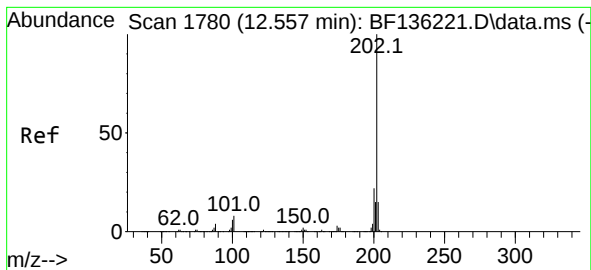


#71
Phenanthrene
Concen: 3.065 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49



Tgt Ion:178 Resp: 51937
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 14.8 10.3 15.5





#75

Fluoranthene

Concen: 6.374 ng

RT: 12.551 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:202 Resp: 10964

Ion Ratio Lower Upper

202 100

101 9.9 0.0 27.8

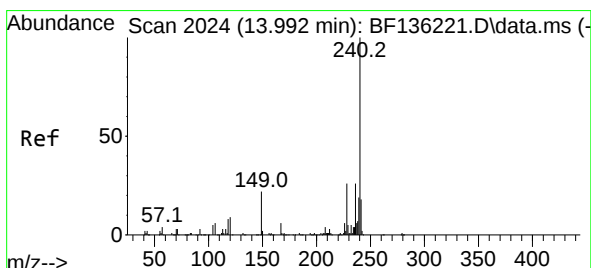
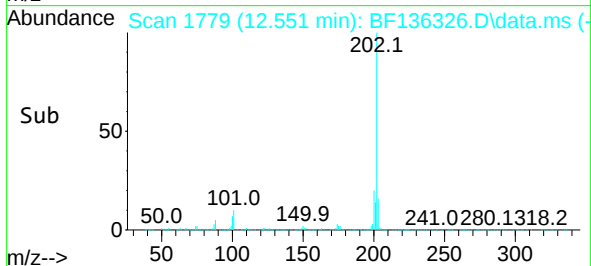
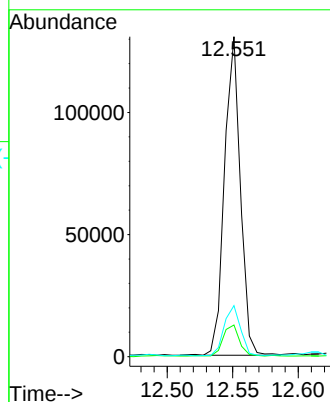
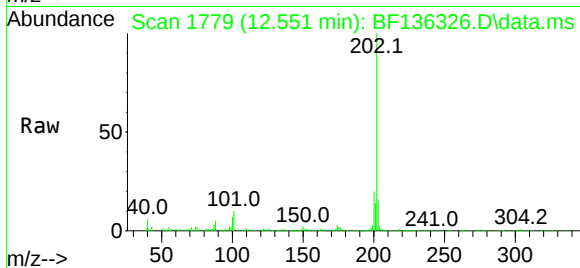
203 15.9 0.0 34.5

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

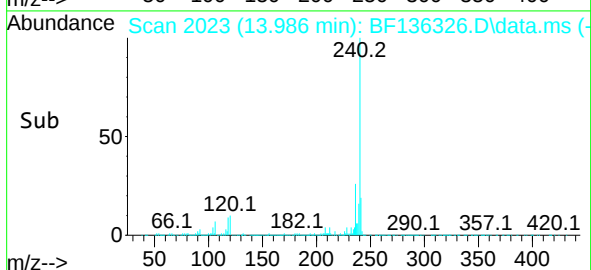
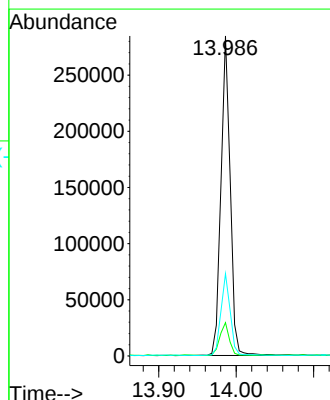
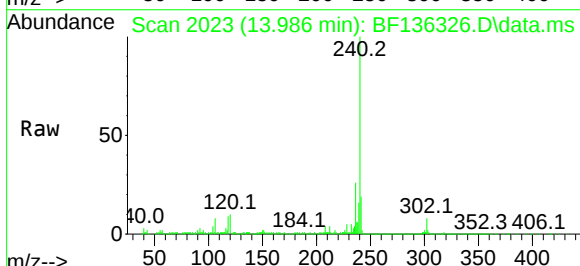
Tgt Ion:240 Resp: 236337

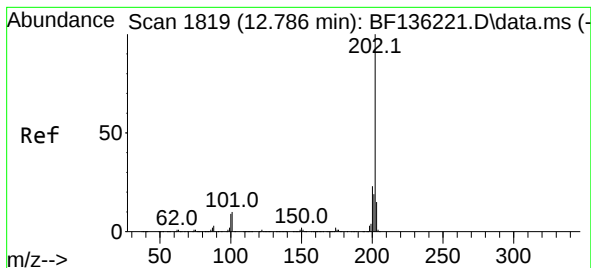
Ion Ratio Lower Upper

240 100

120 10.4 7.4 11.2

236 25.7 21.1 31.7





#78

Pyrene

Concen: 3.735 ng

RT: 12.780 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

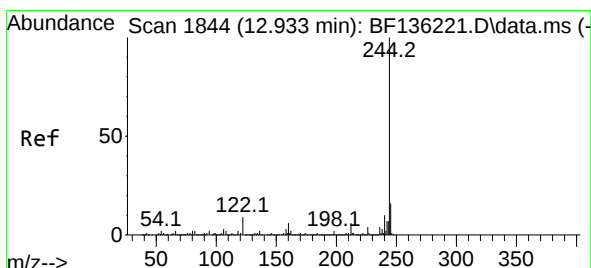
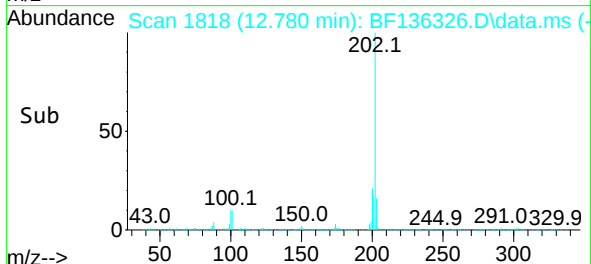
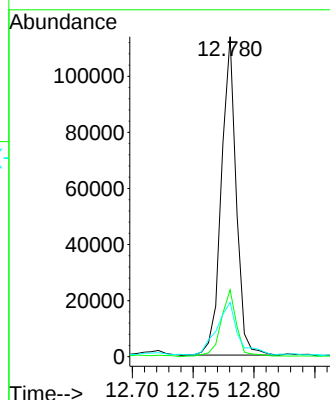
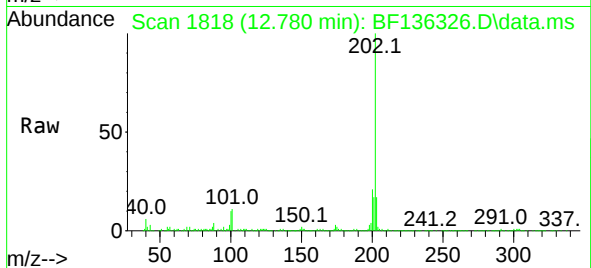
COMP-1

Tgt Ion:202 Resp: 96664
 Ion Ratio Lower Upper
 202 100
 200 20.9 18.4 27.6
 203 16.9 11.8 17.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 39.547 ng

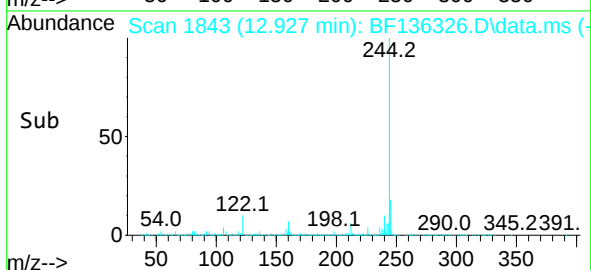
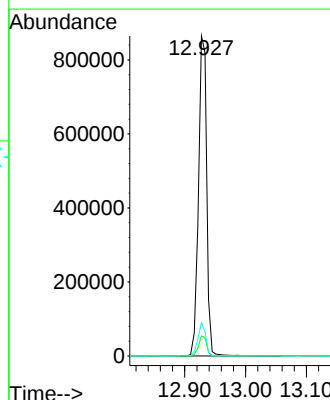
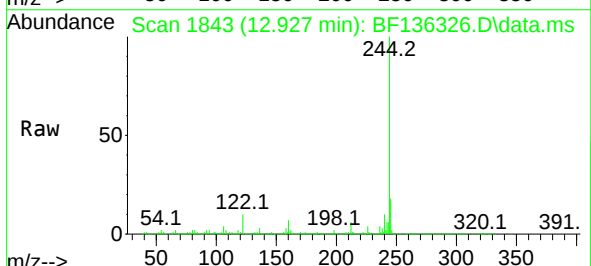
RT: 12.927 min Scan# 1843

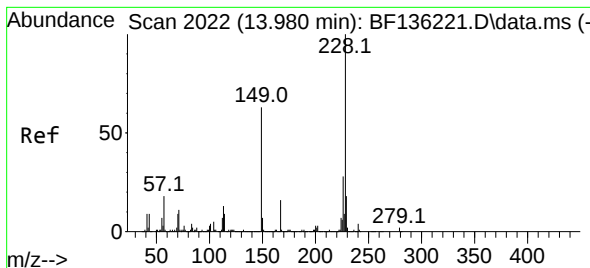
Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Tgt Ion:244 Resp: 810277
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.6 7.0
 122 10.4 7.3 10.9





#81

Benzo(a)anthracene

Concen: 2.824 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:228 Resp: 4956

Ion Ratio Lower Upper

228 100

226 34.1 22.6 34.0

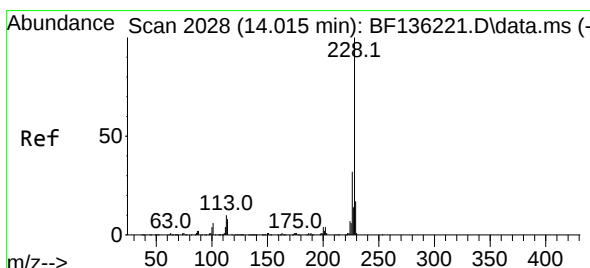
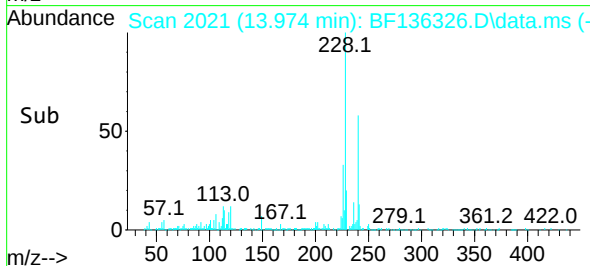
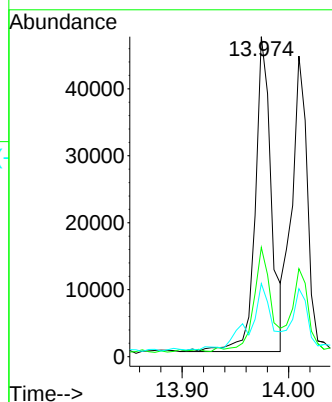
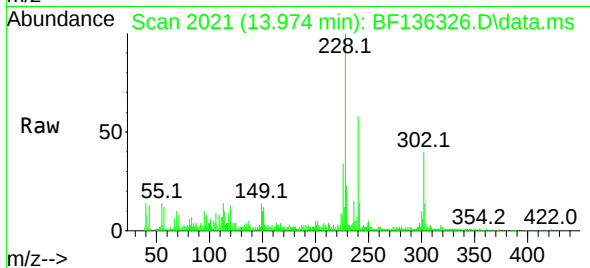
229 22.9 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#83

Chrysene

Concen: 2.630 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

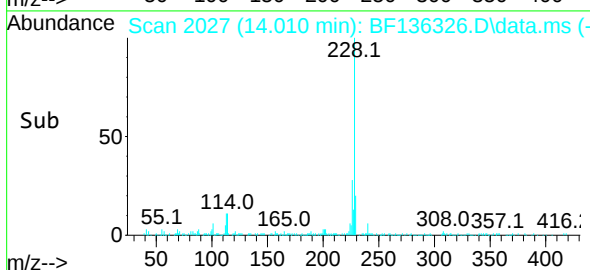
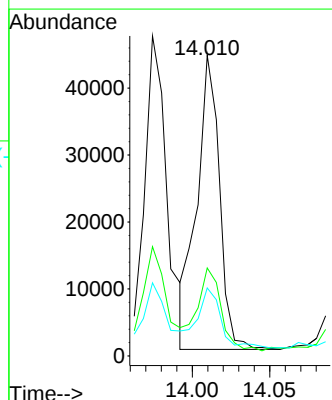
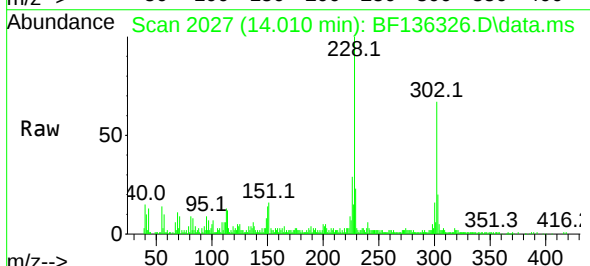
Tgt Ion:228 Resp: 44569

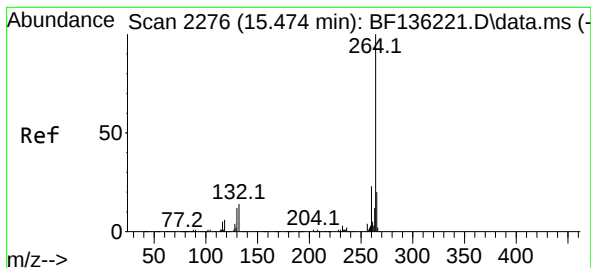
Ion Ratio Lower Upper

228 100

226 29.3 25.5 38.3

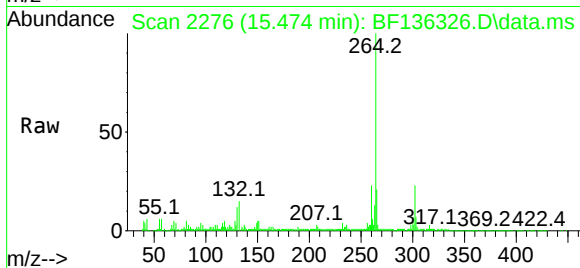
229 22.6 13.9 20.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

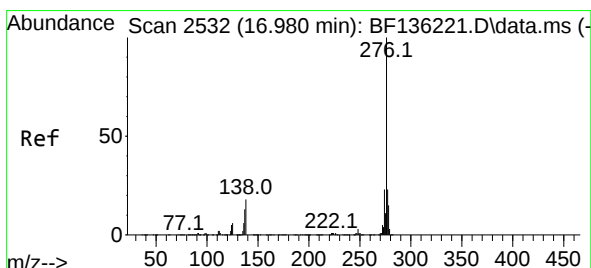
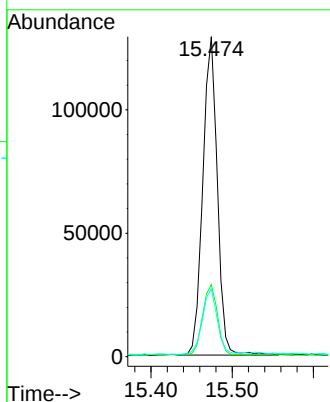
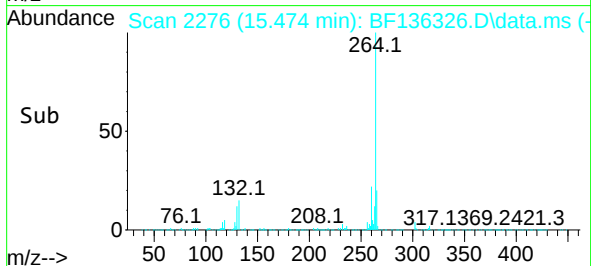
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:264 Resp: 160169
Ion Ratio Lower Upper
264 100
260 22.5 18.6 27.8
265 21.2 15.7 23.5

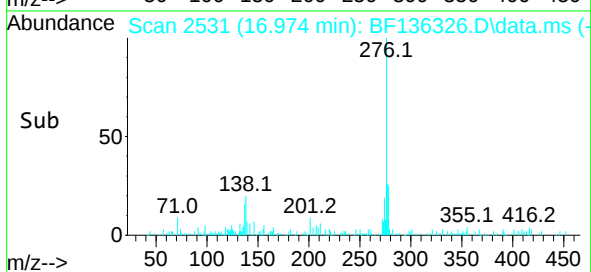
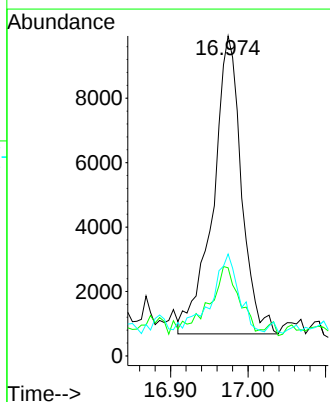
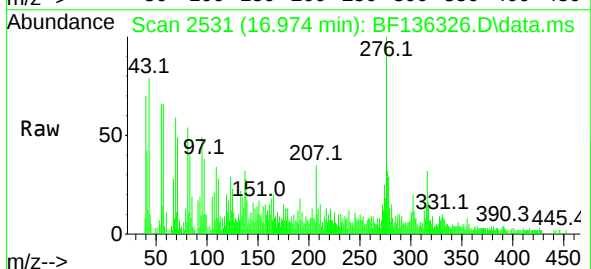
Manual Integrations
APPROVED

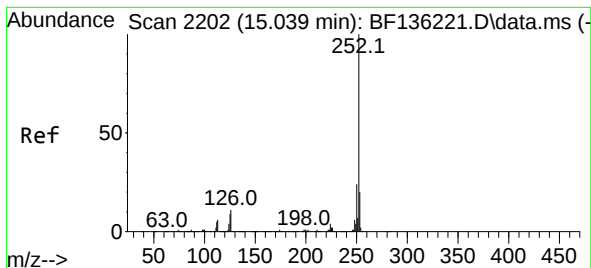
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.530 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Tgt Ion:276 Resp: 23472
Ion Ratio Lower Upper
276 100
138 25.3 17.7 26.5
277 25.4 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 4.224 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:252 Resp: 4747

Ion Ratio Lower Upper

252 100

253 29.3 16.2 24.2

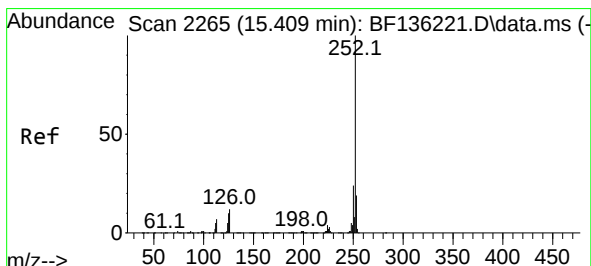
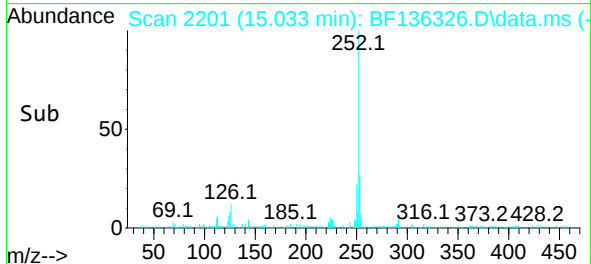
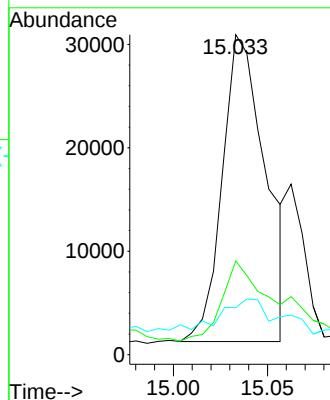
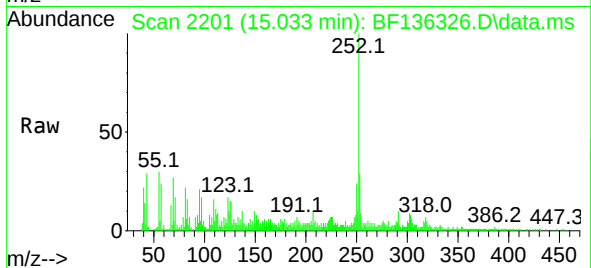
125 14.7 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#90

Benzo(a)pyrene

Concen: 3.165 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.005 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

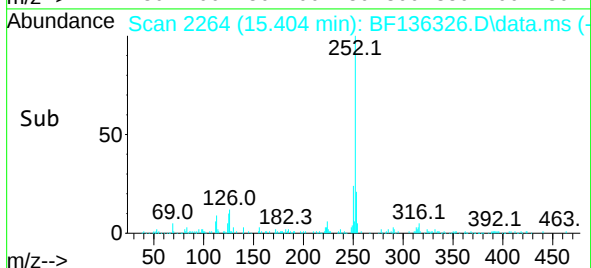
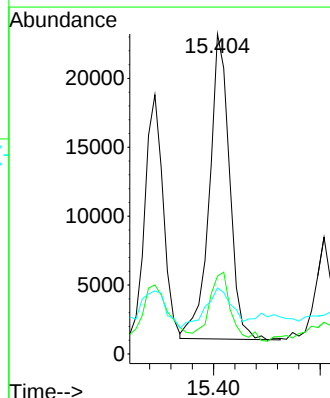
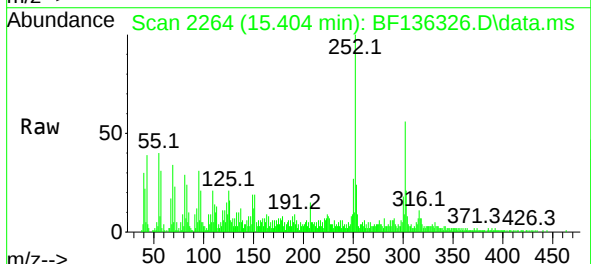
Tgt Ion:252 Resp: 29078

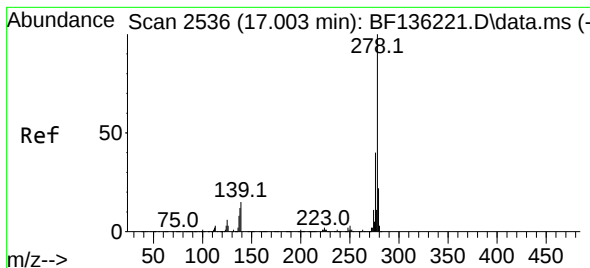
Ion Ratio Lower Upper

252 100

253 24.4 15.5 23.3#

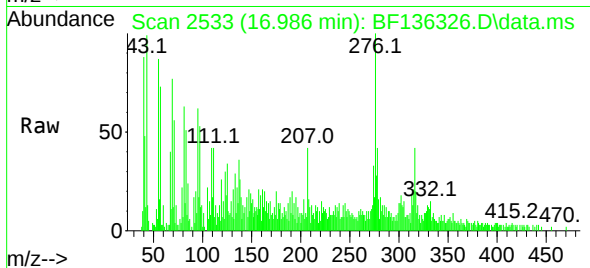
125 20.7 7.9 11.9#





#91
Dibenzo(a,h)anthracene
Concen: 3.544 ng
RT: 16.986 min Scan# 2536
Delta R.T. -0.017 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

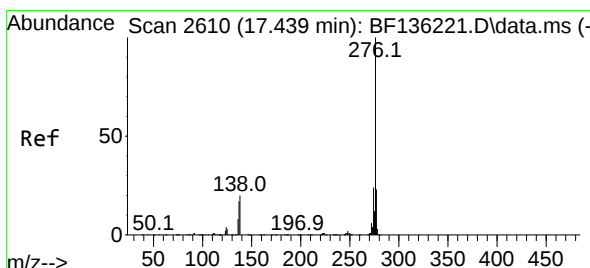
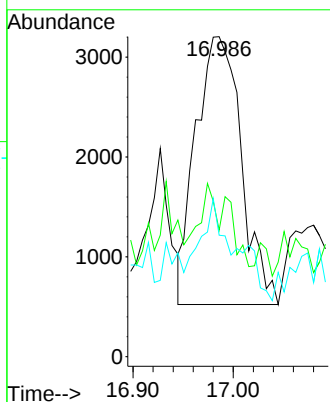
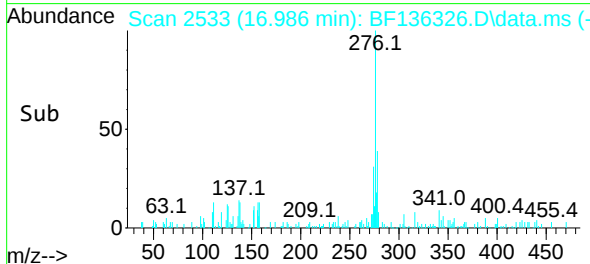
Instrument :
BNA_F
ClientSampleId :
COMP-1



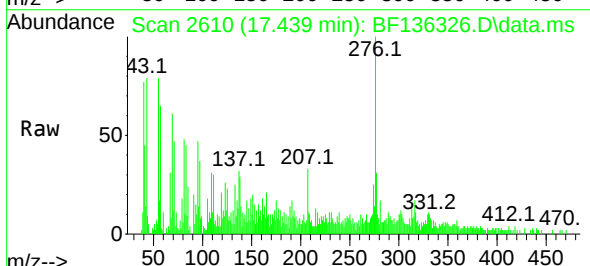
Tgt Ion: 278 Resp: 8458
Ion Ratio Lower Upper
278 100
139 39.6 11.7 17.5#
279 37.9 17.8 26.8#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#92
Benzo(g,h,i)perylene
Concen: 4.096 ng
RT: 17.439 min Scan# 2610
Delta R.T. -0.000 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49



Tgt Ion: 276 Resp: 22043
Ion Ratio Lower Upper
276 100
277 30.7 18.6 27.8#
138 28.8 15.8 23.8#

