

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136322.D
 Acq On : 30 Nov 2023 19:41
 Operator : CG\JU
 Sample : 05562-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112823

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 00:11:45 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	121517	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	453621	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	186657	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	272830	20.000	ng	0.00
76) Chrysene-d12	13.980	240	247832	20.000	ng	-0.01
86) Perylene-d12	15.468	264	203227	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	881919	101.015	ng	0.00
7) Phenol-d6	6.439	99	1056654	96.794	ng	0.00
23) Nitrobenzene-d5	7.363	82	652726	76.037	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	197640	86.607	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	1173244	80.286	ng	0.00
79) Terphenyl-d14	12.927	244	1046720	48.718	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	40310	2.629	ng	# 94
74) Di-n-butylphthalate	11.904	149	1893927	115.735	ng	99
75) Fluoranthene	12.545	202	122863	7.893	ng	92
78) Pyrene	12.780	202	118200	4.355	ng	95
81) Benzo(a)anthracene	13.974	228	80330	4.364	ng	# 94
83) Chrysene	14.010	228	80439	4.526	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.968	276	30239	4.559	ng	# 89
88) Benzo(b)fluoranthene	15.027	252	87436m	6.132	ng	
89) Benzo(k)fluoranthene	15.057	252	32628m	2.409	ng	
90) Benzo(a)pyrene	15.398	252	55025	4.721	ng	# 88
91) Dibenzo(a,h)anthracene	16.980	278	10408	3.519	ng	# 76
92) Benzo(g,h,i)perylene	17.415	276	26561	3.986	ng	93

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

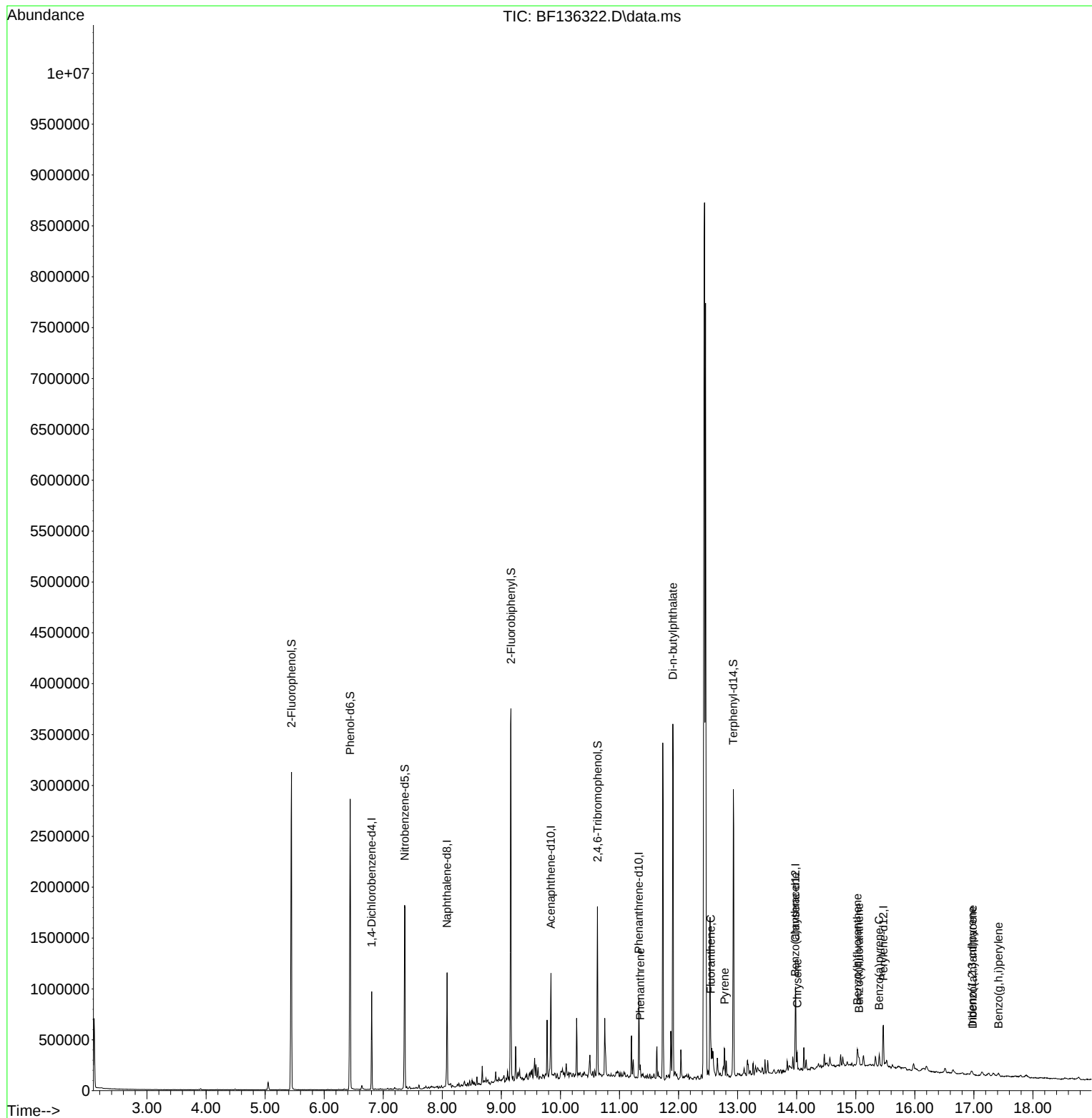
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Data File : BF136322.D
Acq On : 30 Nov 2023 19:41
Operator : CG\JU
Sample : 05562-01
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ALS Vial : 18 Sample Multiplier: 1

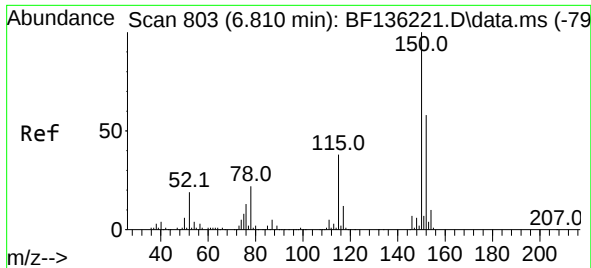
Instrument :
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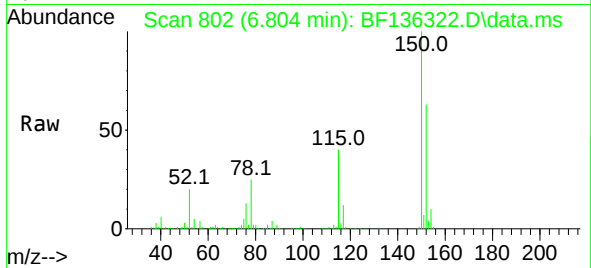
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823

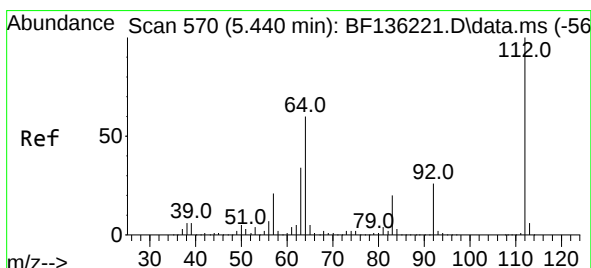
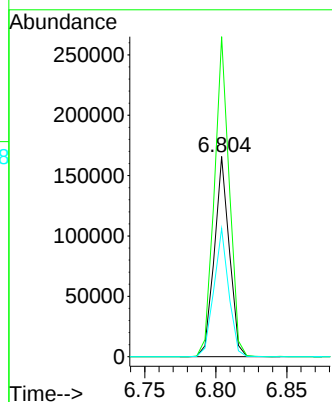
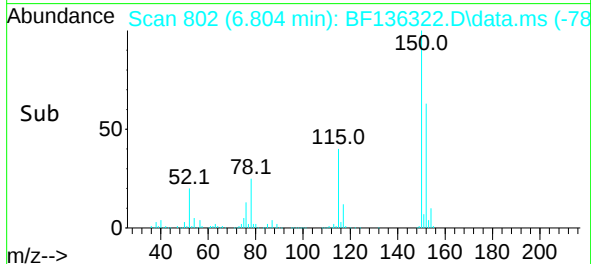


Tgt Ion:152 Resp: 12151
Ion Ratio Lower Upper
152 100
150 159.9 137.8 206.8
115 64.0 52.7 79.1

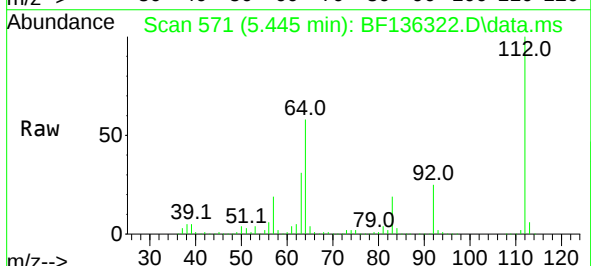
Manual Integrations

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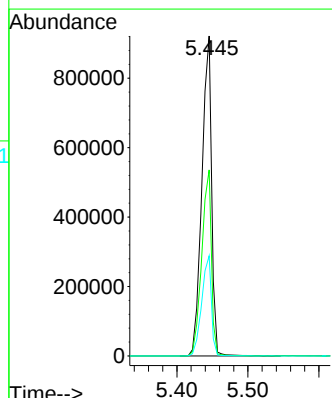
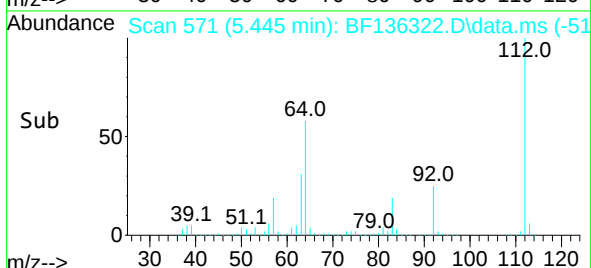
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

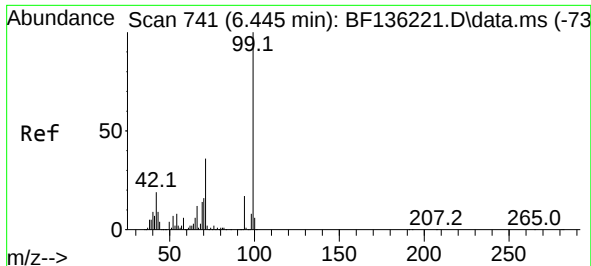


#5
2-Fluorophenol
Concen: 101.015 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41



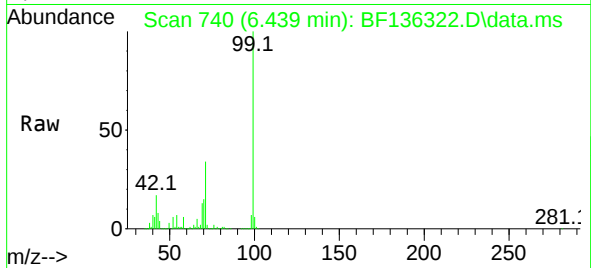
Tgt Ion:112 Resp: 881919
Ion Ratio Lower Upper
112 100
64 58.2 48.2 72.4
63 31.3 27.0 40.6





#7
Phenol-d6
Concen: 96.794 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

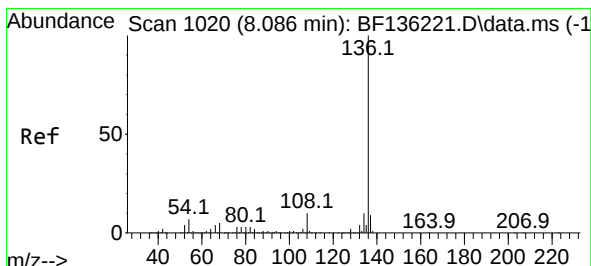
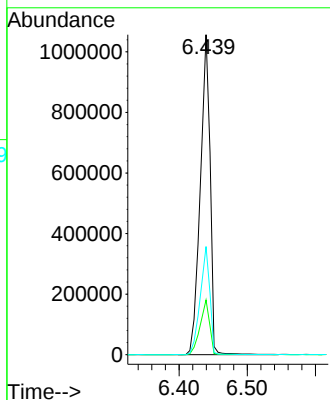
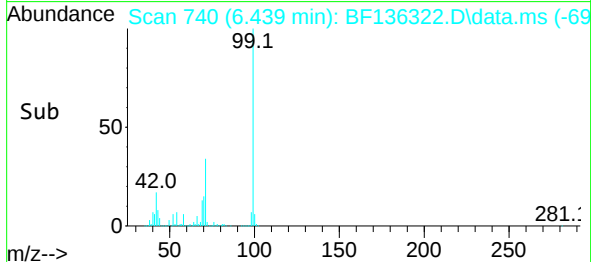
Instrument :
BNA_F
ClientSampleId :
SU-03-112823



Tgt Ion: 99 Resp: 1056654
Ion Ratio Lower Upper
99 100
42 17.1 15.0 22.6
71 33.8 28.9 43.3

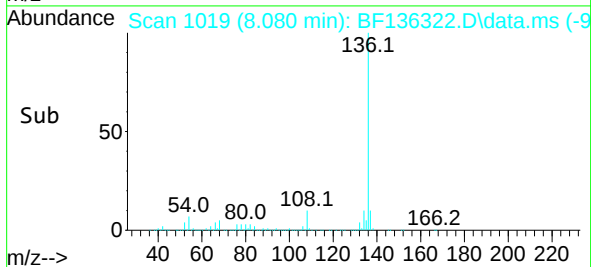
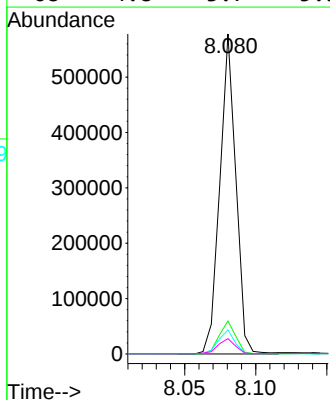
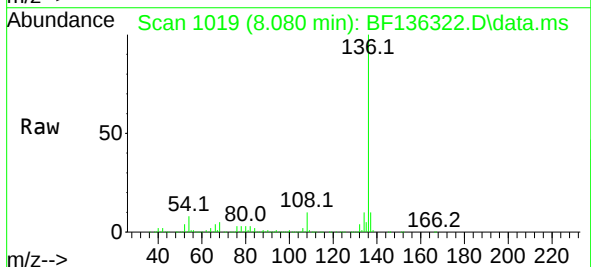
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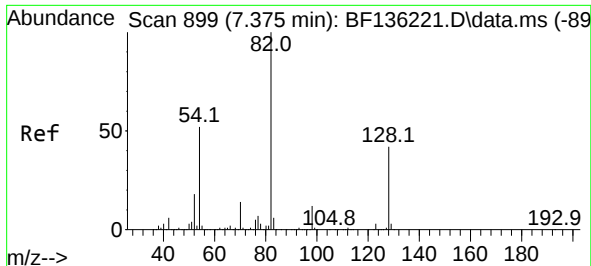
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Tgt Ion:136 Resp: 453621
Ion Ratio Lower Upper
136 100
137 10.3 7.4 11.2
54 7.5 5.5 8.3
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 76.037 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136322.D

Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

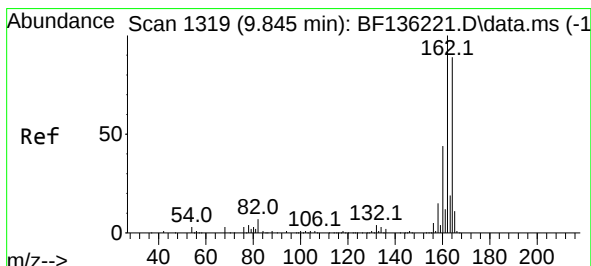
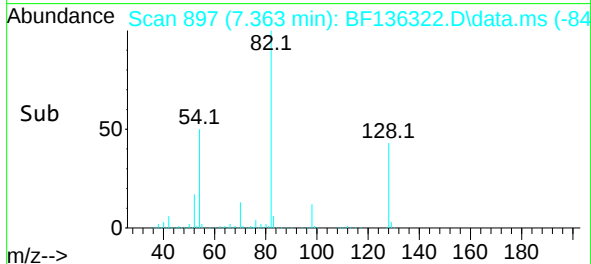
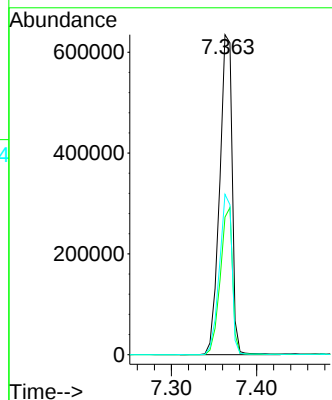
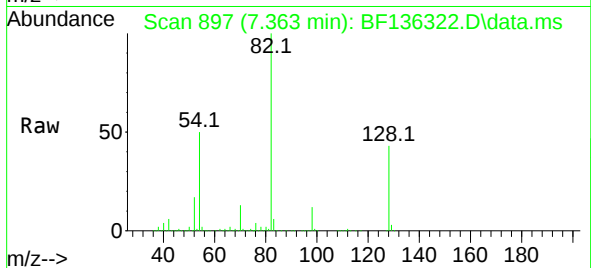
SU-03-112823

Tgt Ion: 82 Resp: 652720

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.2
54	50.1	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

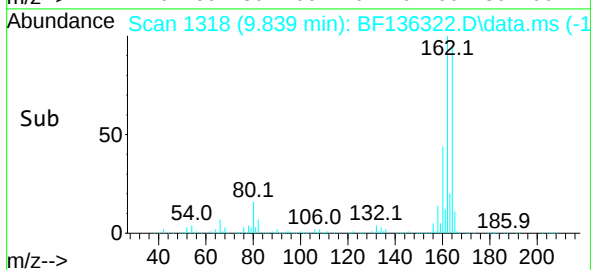
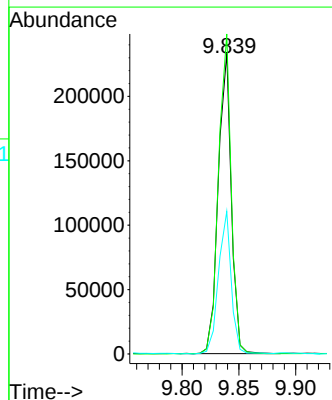
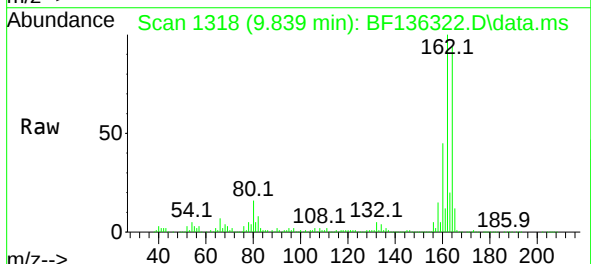
Delta R.T. -0.006 min

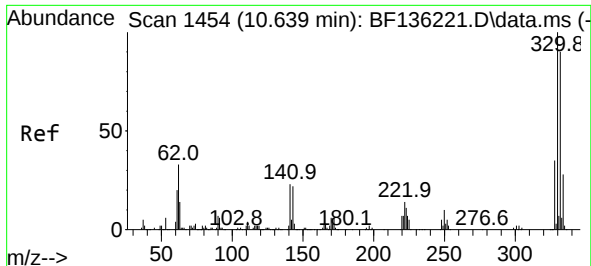
Lab File: BF136322.D

Acq: 30 Nov 2023 19:41

Tgt Ion:164 Resp: 186657

Ion	Ratio	Lower	Upper
164	100		
162	106.5	89.5	134.3
160	47.4	39.6	59.4





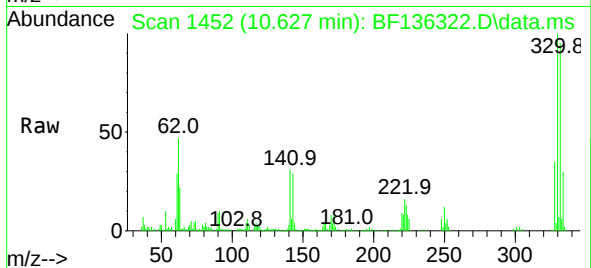
#42
2,4,6-Tribromophenol
Concen: 86.607 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823



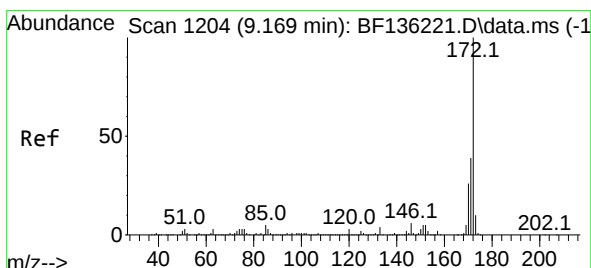
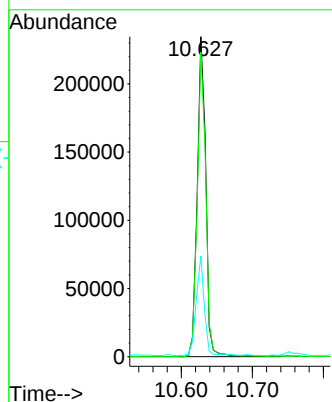
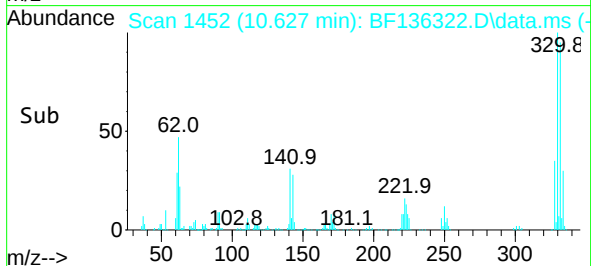
Tgt Ion:330 Resp: 197640
Ion Ratio Lower Upper
330 100
332 95.2 73.0 109.6
141 29.4 24.2 36.2

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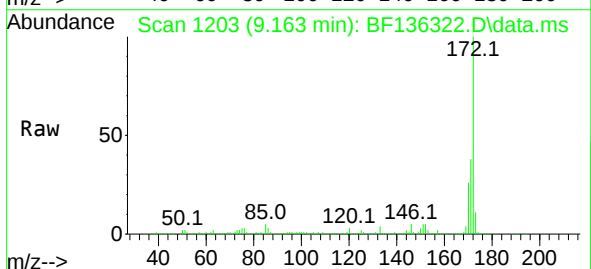
APPROVED

Reviewed By :Yogesh Patel 12/01/2023

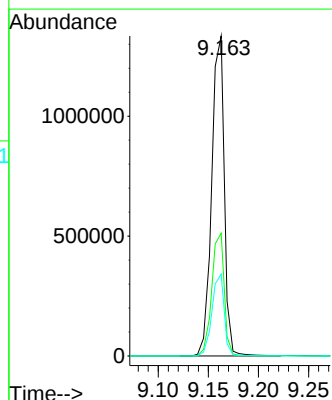
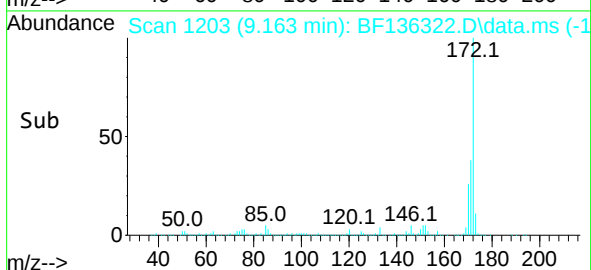
Supervised By :mohammad ahmed 12/01/2023

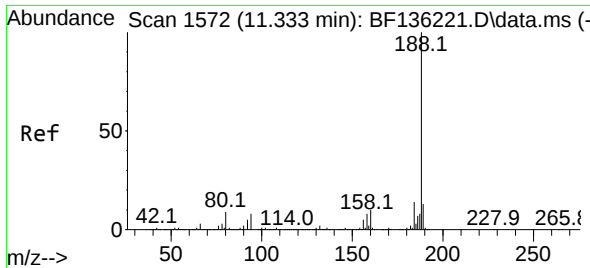


#45
2-Fluorobiphenyl
Concen: 80.286 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41



Tgt Ion:172 Resp: 1173244
Ion Ratio Lower Upper
172 100
171 38.3 31.5 47.3
170 25.5 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823

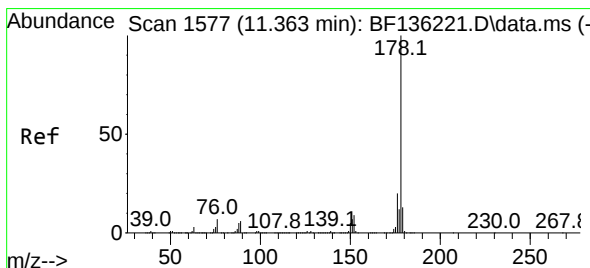
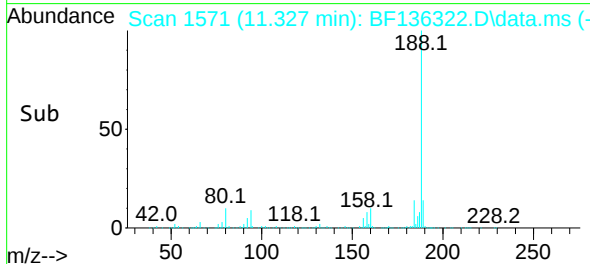
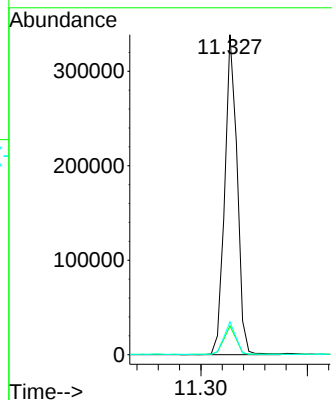
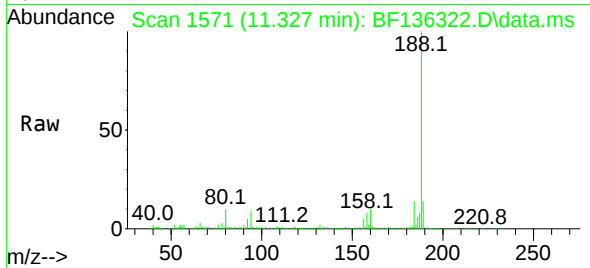
Tgt Ion:188 Resp: 272830
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 10.3 7.2 10.8

Manual Integrations

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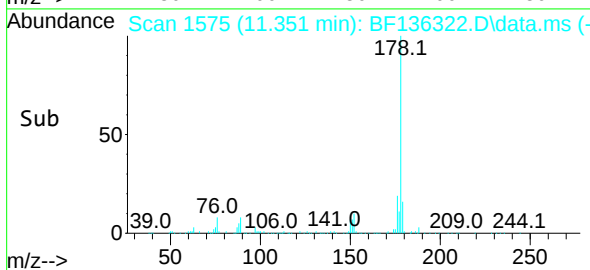
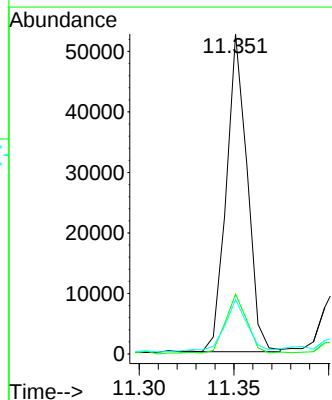
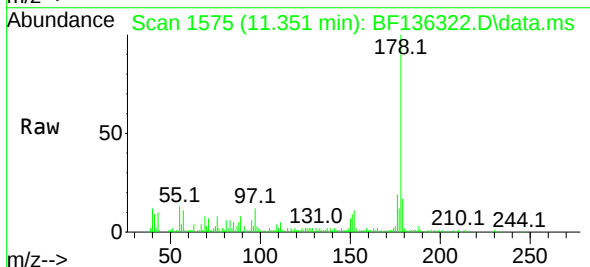
Reviewed By :Yogesh Patel 12/01/2023

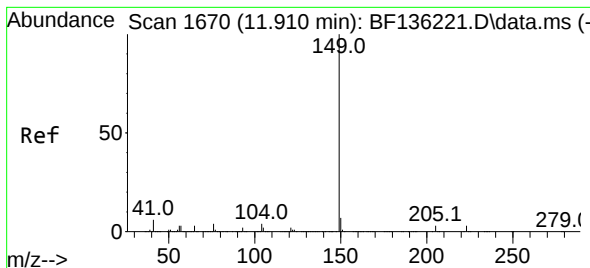
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 2.629 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Tgt Ion:178 Resp: 40310
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 17.1 10.3 15.5#





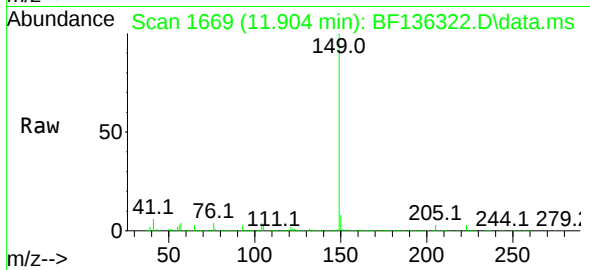
#74
Di-n-butylphthalate
Concen: 115.735 ng
RT: 11.904 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823



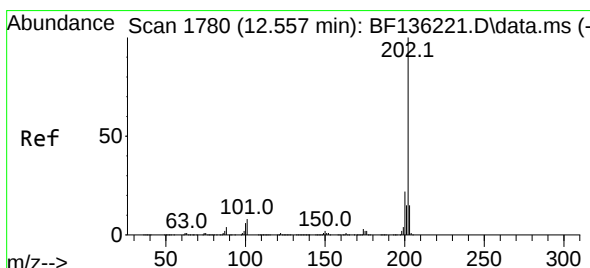
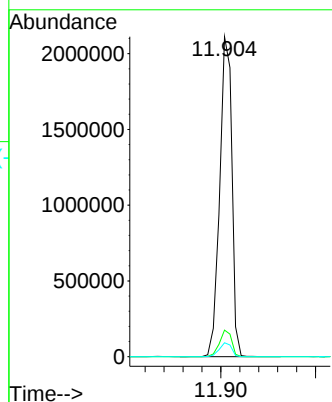
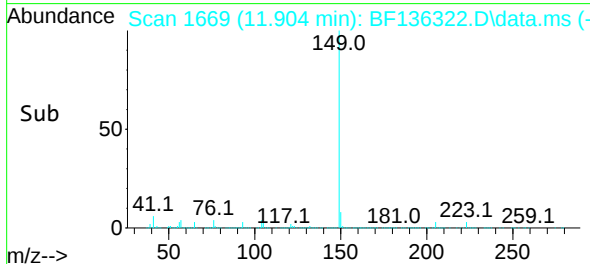
Tgt Ion:149 Resp: 189392
Ion Ratio Lower Upper
149 100
150 8.3 6.0 9.0
104 4.4 3.5 5.3

Manual Integrations

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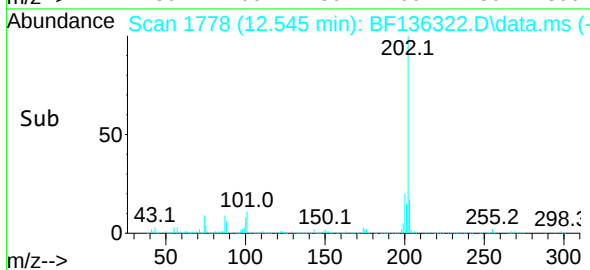
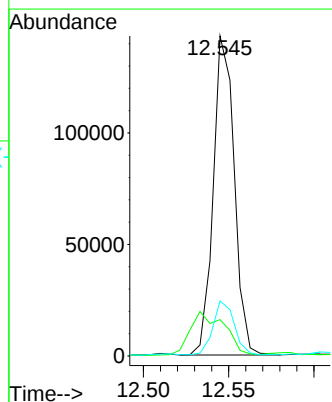
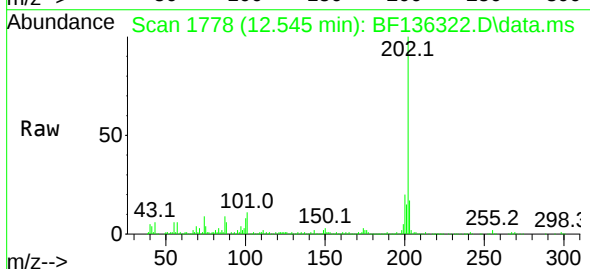
Reviewed By :Yogesh Patel 12/01/2023

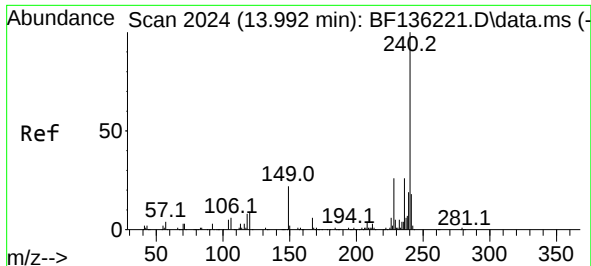
Supervised By :mohammad ahmed 12/01/2023



#75
Fluoranthene
Concen: 7.893 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Tgt Ion:202 Resp: 122863
Ion Ratio Lower Upper
202 100
101 11.3 0.0 27.8
203 17.2 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

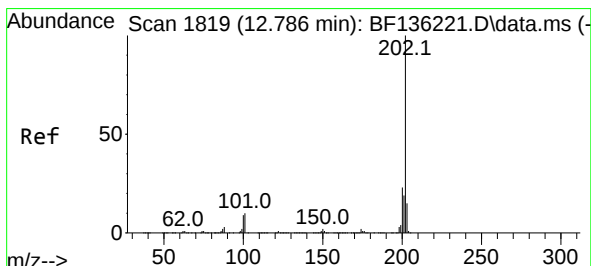
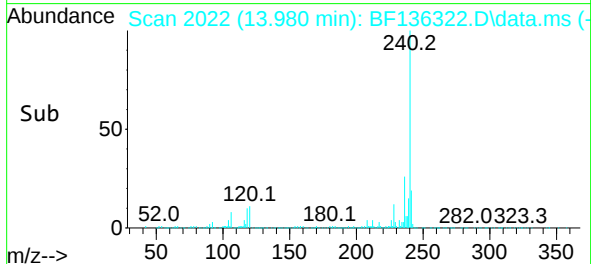
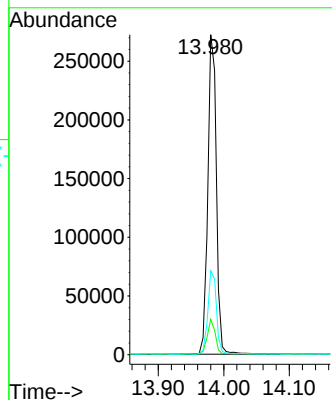
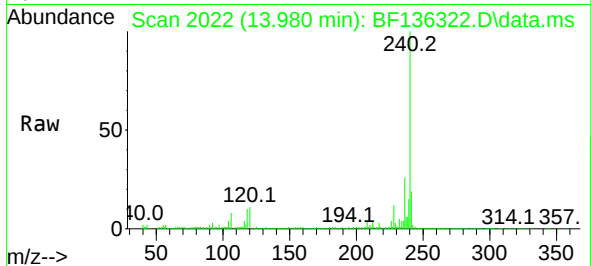
SU-03-112823

Tgt Ion:240 Resp: 24783
Ion Ratio Lower Upper
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120 11.1 7.4 11.2
236 26.2 21.1 31.7

Manual Integrations

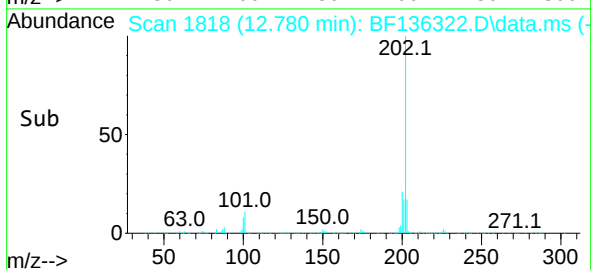
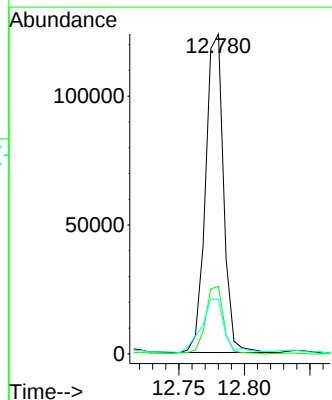
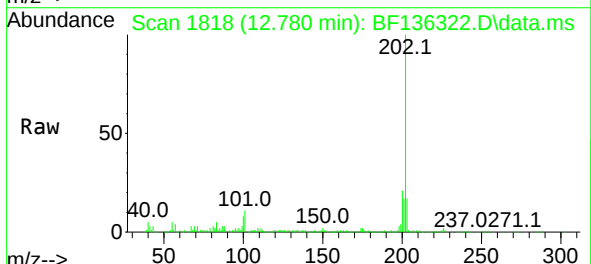
APPROVED

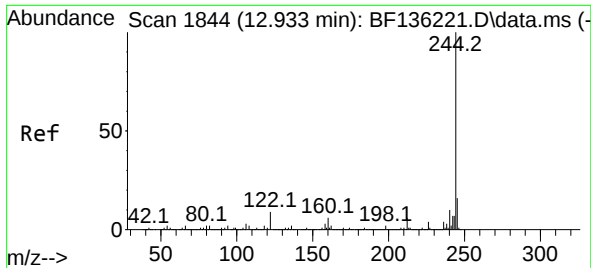
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#78
Pyrene
Concen: 4.355 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Tgt Ion:202 Resp: 118200
Ion Ratio Lower Upper
202 100
200 21.1 18.4 27.6
203 17.0 11.8 17.6





#79
 Terphenyl-d14
 Concen: 48.718 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136322.D
 Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

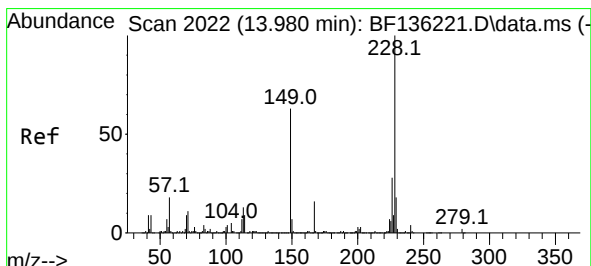
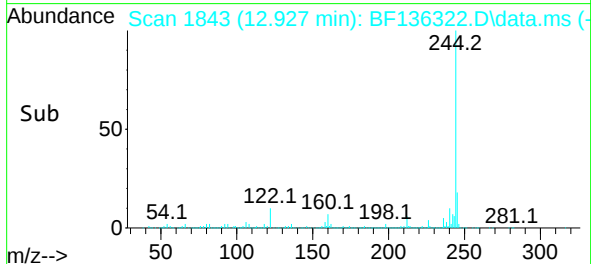
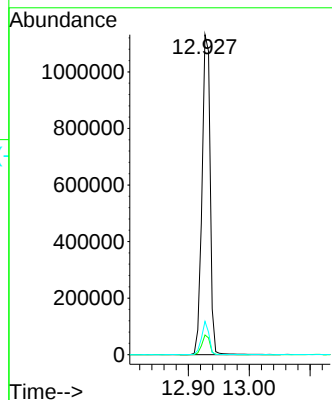
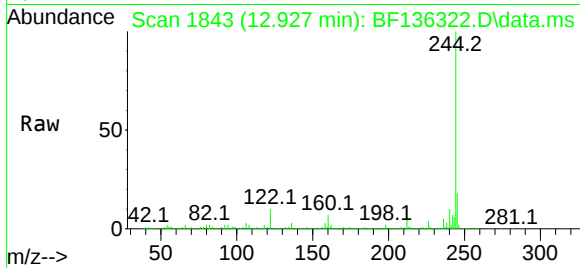
ClientSampleId :

SU-03-112823

Tgt Ion:244 Resp: 1046720
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.6 7.0
 122 10.4 7.3 10.9

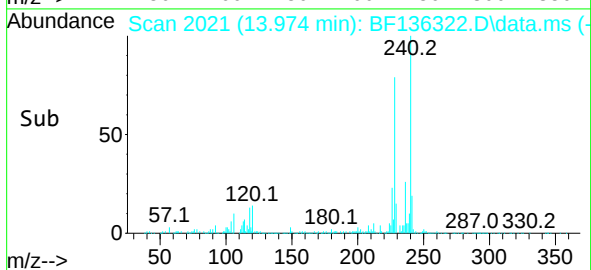
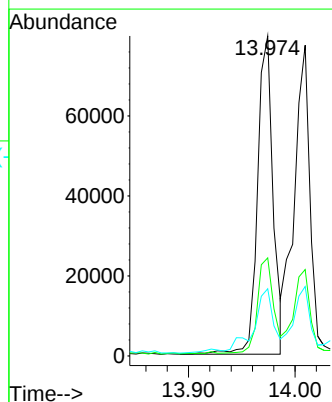
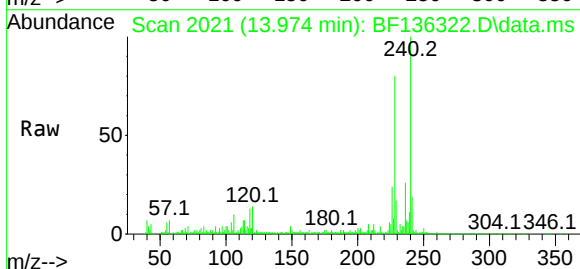
Manual Integrations
 APPROVED

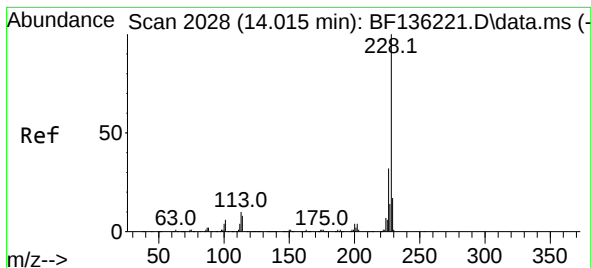
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#81
 Benzo(a)anthracene
 Concen: 4.364 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136322.D
 Acq: 30 Nov 2023 19:41

Tgt Ion:228 Resp: 80330
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 34.0
 229 21.0 14.0 21.0#





#83

Chrysene

Concen: 4.526 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136322.D

Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823

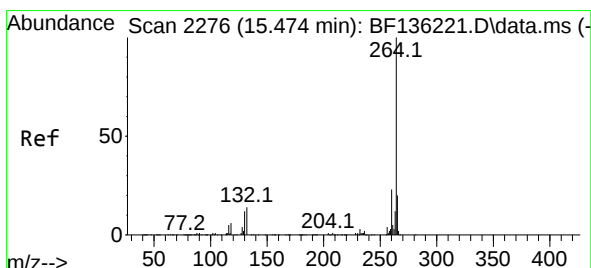
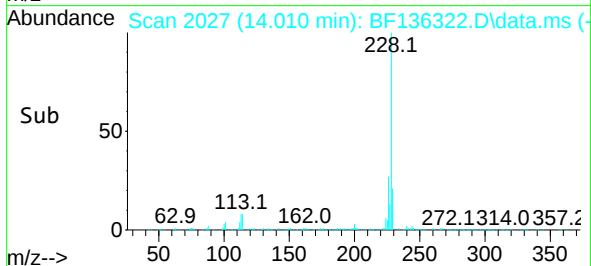
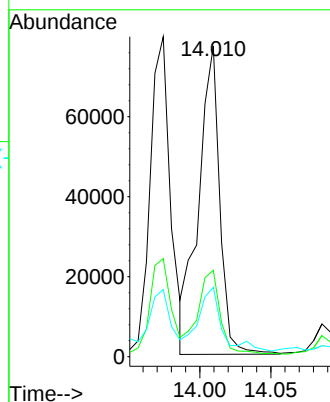
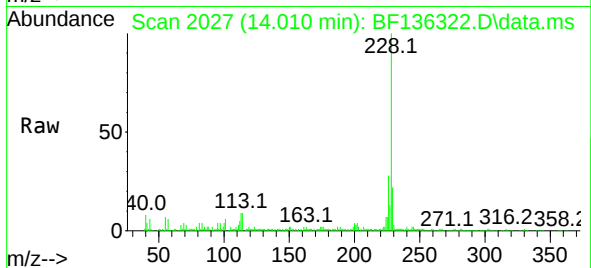
Tgt Ion:228	Resp:	80439
Ion Ratio	Lower	Upper
228	100	
226	27.8	25.5 38.3
229	22.4	13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#86

Perylene-d12

Concen: 20.000 ng

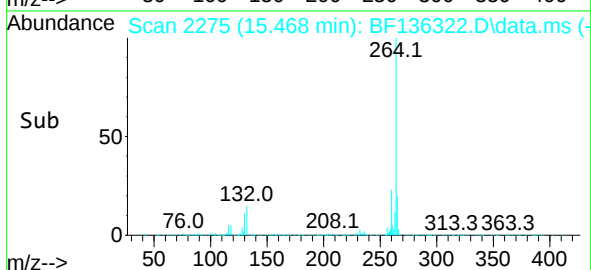
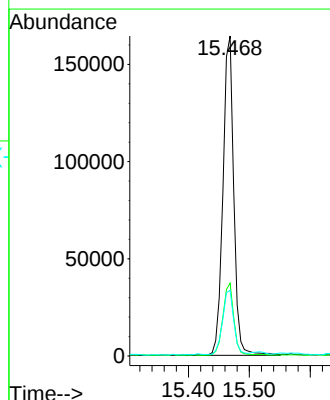
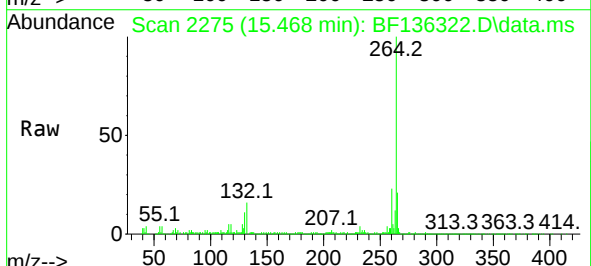
RT: 15.468 min Scan# 2275

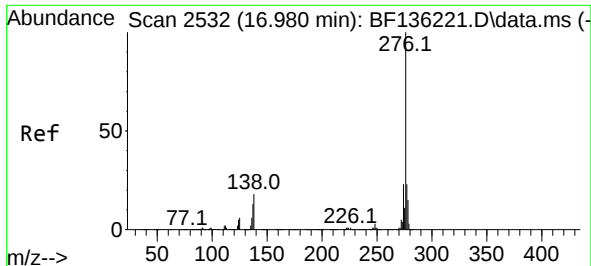
Delta R.T. -0.006 min

Lab File: BF136322.D

Acq: 30 Nov 2023 19:41

Tgt Ion:264	Resp:	203227
Ion Ratio	Lower	Upper
264	100	
260	22.8	18.6 27.8
265	20.6	15.7 23.5





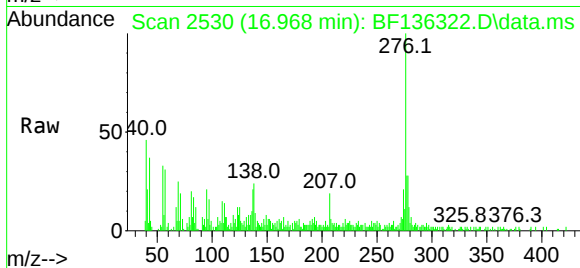
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.559 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823



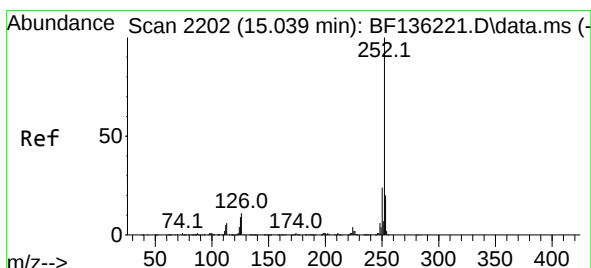
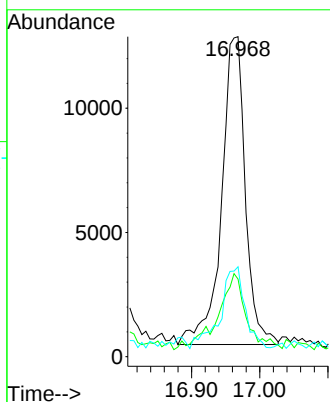
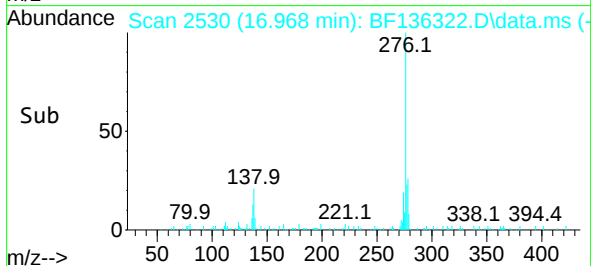
Tgt Ion:276 Resp: 30239
Ion Ratio Lower Upper
276 100
138 29.9 17.7 26.5#
277 27.7 19.6 29.4#

Manual Integrations

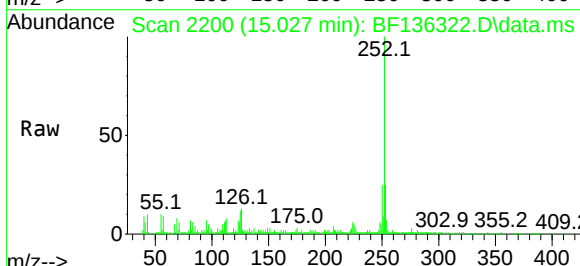
APPROVED

Reviewed By :Yogesh Patel 12/01/2023

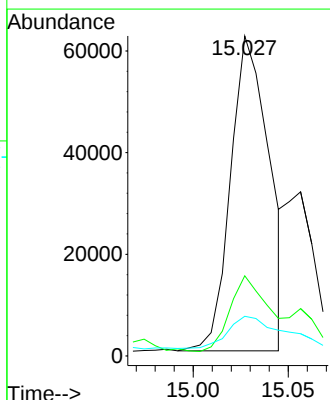
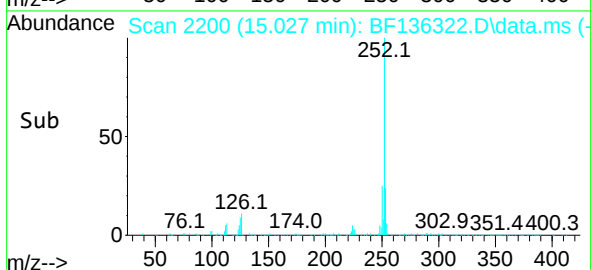
Supervised By :mohammad ahmed 12/01/2023

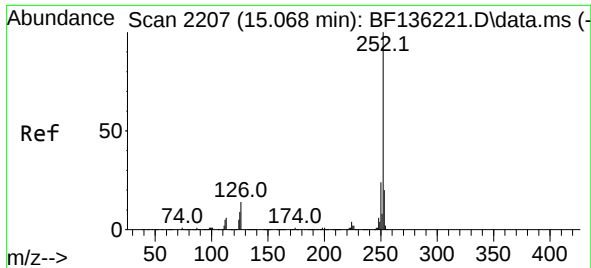


#88
Benzo(b)fluoranthene
Concen: 6.132 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41



Tgt Ion:252 Resp: 87436
Ion Ratio Lower Upper
252 100
253 25.0 16.2 24.2#
125 12.4 6.9 10.3#





#89
Benzo(k)fluoranthene
Concen: 2.409 ng m
RT: 15.057 min Scan# 2207
Delta R.T. -0.011 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823

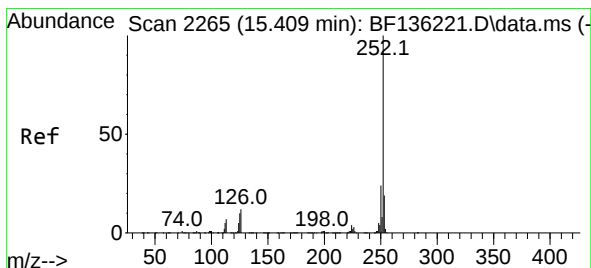
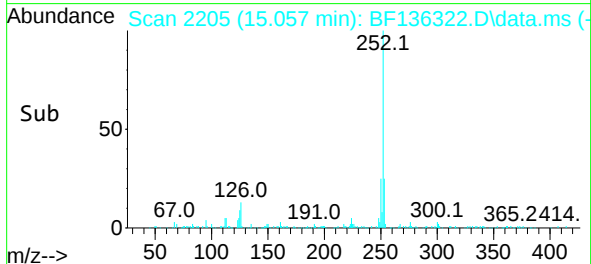
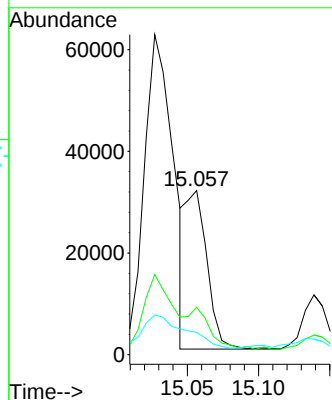
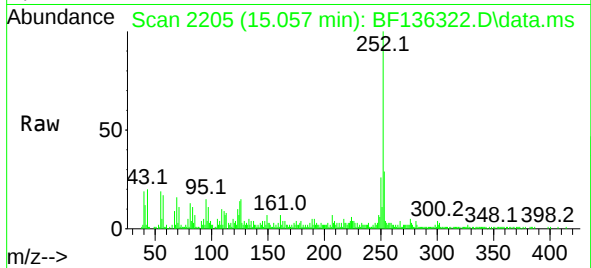
Tgt Ion:252 Resp: 32628
Ion Ratio Lower Upper
252 100
253 28.8 15.6 23.4#
125 13.6 7.0 10.4#

Manual Integrations

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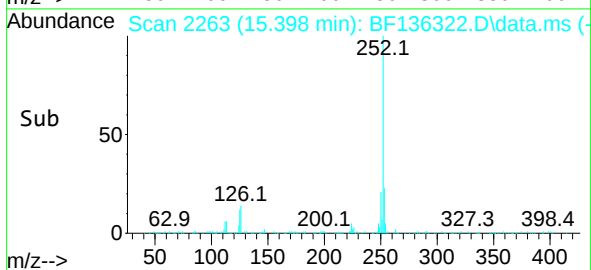
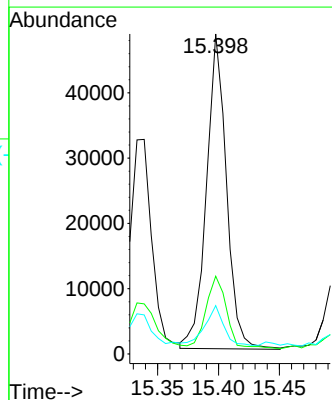
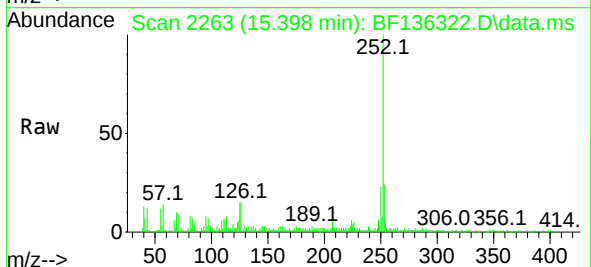
Reviewed By :Yogesh Patel 12/01/2023

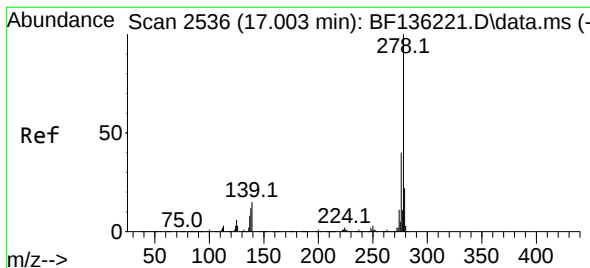
Supervised By :mohammad ahmed 12/01/2023



#90
Benzo(a)pyrene
Concen: 4.721 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136322.D
Acq: 30 Nov 2023 19:41

Tgt Ion:252 Resp: 55025
Ion Ratio Lower Upper
252 100
253 24.3 15.5 23.3#
125 15.1 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 3.519 ng

RT: 16.980 min Scan# 2100

Delta R.T. -0.023 min

Lab File: BF136322.D

Acq: 30 Nov 2023 19:41

Instrument :

BNA_F

ClientSampleId :

SU-03-112823

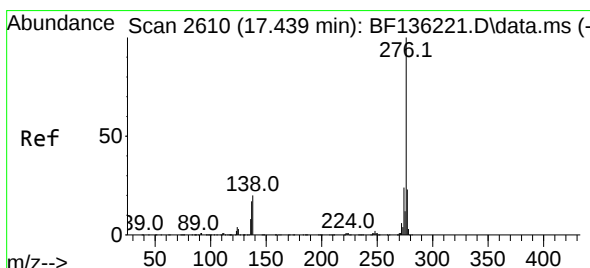
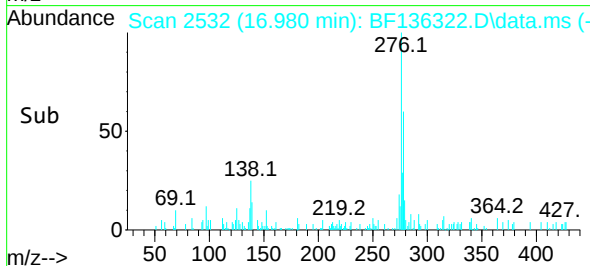
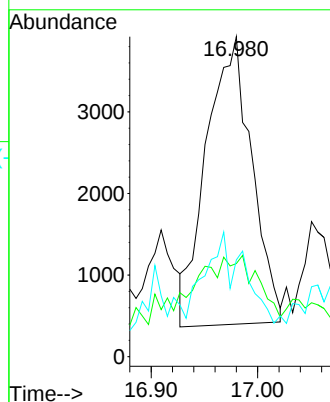
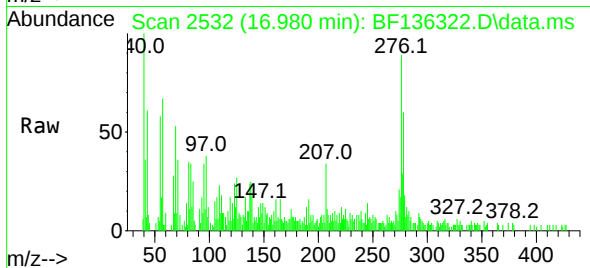
Tgt Ion:	278	Resp:	1040
Ion Ratio	Lower	Upper	
278	100		
139	29.1	11.7	17.5
279	30.2	17.8	26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#92

Benzo(g,h,i)perylene

Concen: 3.986 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.024 min

Lab File: BF136322.D

Acq: 30 Nov 2023 19:41

Tgt Ion:	276	Resp:	26561
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.6	27.8
138	22.6	15.8	23.8

