

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136364.D
 Acq On : 02 Dec 2023 06:48
 Operator : CG\JU
 Sample : 05521-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 03 07:22:39 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	121365	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	404803	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	154640	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	275324	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	262284	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	208044	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	555396	63.694	ng	0.00
7) Phenol-d6	6.440	99	622326	57.079	ng	0.00
23) Nitrobenzene-d5	7.363	82	373329	48.735	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	110000	58.182	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	598076	49.400	ng	-0.01
79) Terphenyl-d14	12.927	244	648476	28.519	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.545	202	70017	4.457	ng	90
78) Pyrene	12.774	202	65409	2.277	ng	# 93
81) Benzo(a)anthracene	13.974	228	39570	2.031	ng	97
83) Chrysene	14.010	228	41622m	2.213	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	16766	3.697	ng	99
88) Benzo(b)fluoranthene	15.027	252	46887m	3.212	ng	
90) Benzo(a)pyrene	15.398	252	29348	2.460	ng	# 94
91) Dibenzo(a,h)anthracene	16.992	278	4992m	3.091	ng	
92) Benzo(g,h,i)perylene	17.421	276	16371	3.156	ng	96

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

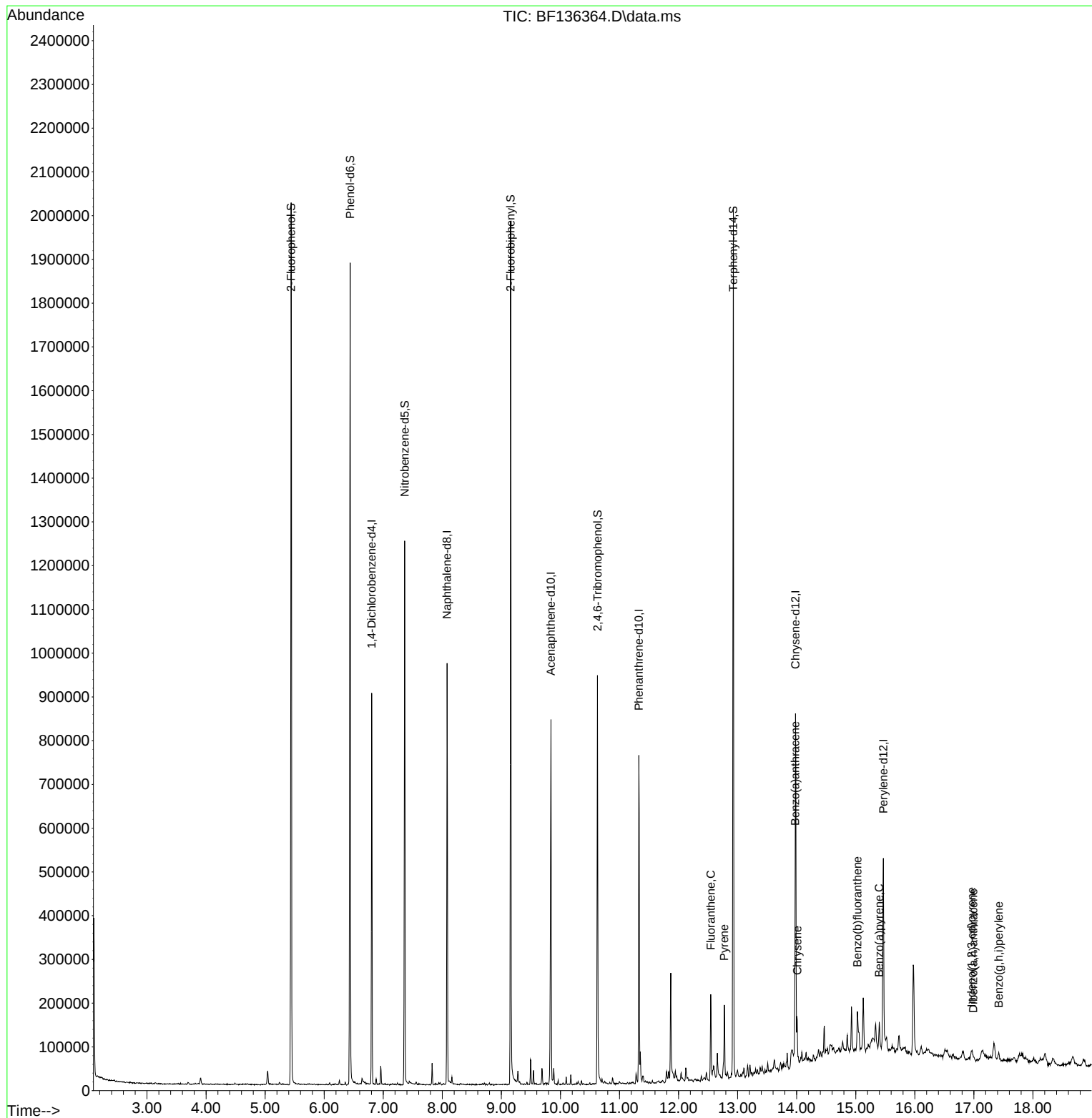
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136364.D
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Sample : 05521-04
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ALS Vial : 35 Sample Multiplier: 1

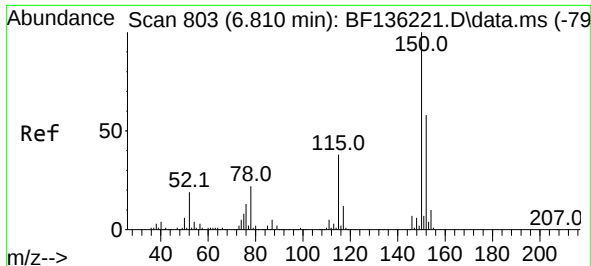
Instrument :
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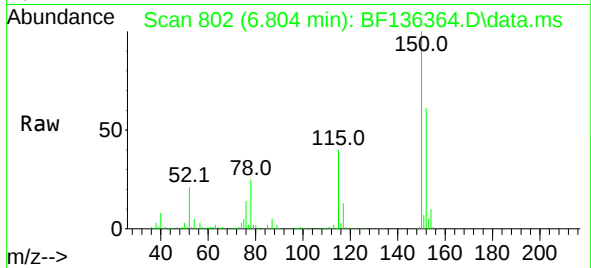
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

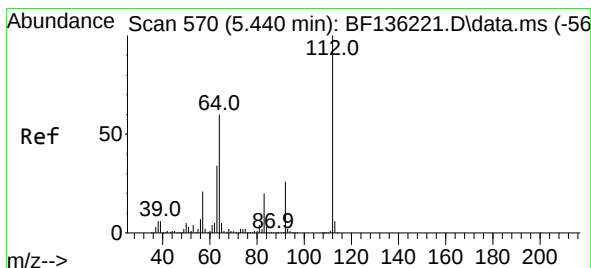
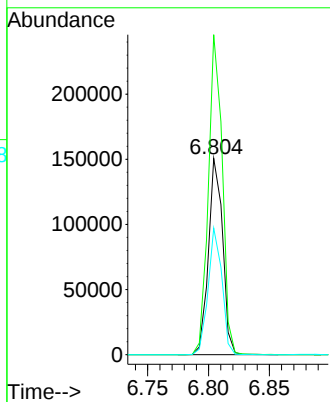
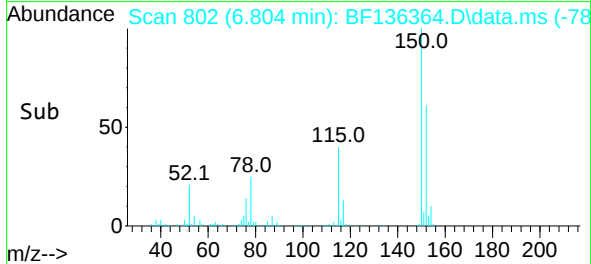
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



Tgt Ion:152 Resp: 12136
Ion Ratio Lower Upper
152 100
150 163.0 137.8 206.8
115 64.5 52.7 79.1

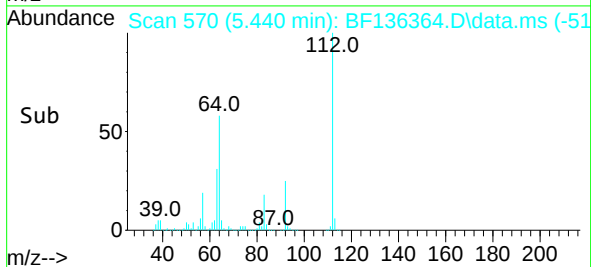
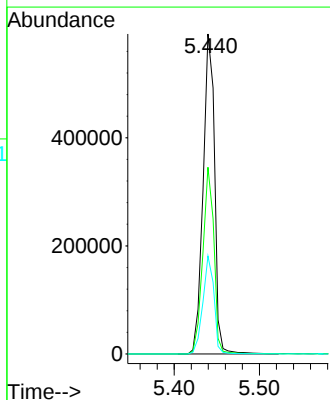
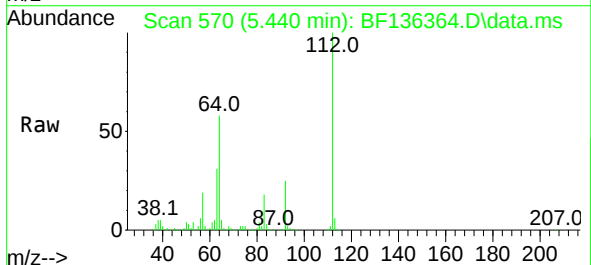
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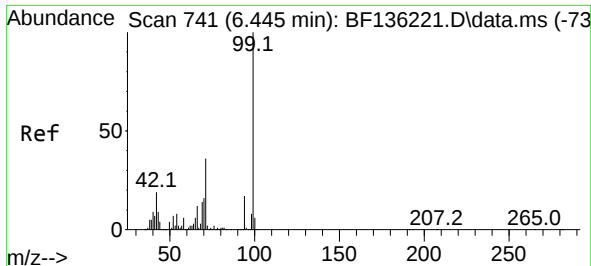
Reviewed By :Yogesh Patel 12/04/2023
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#5
2-Fluorophenol
Concen: 63.694 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion:112 Resp: 555396
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.4
63 30.6 27.0 40.6





#7

Phenol-d6

Concen: 57.079 ng

RT: 6.440 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF136364.D

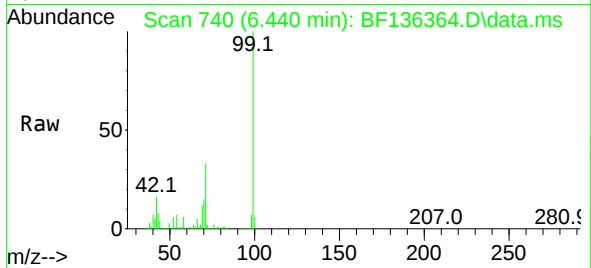
Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP



Tgt Ion: 99 Resp: 622320

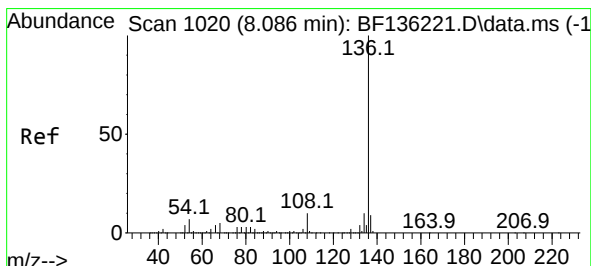
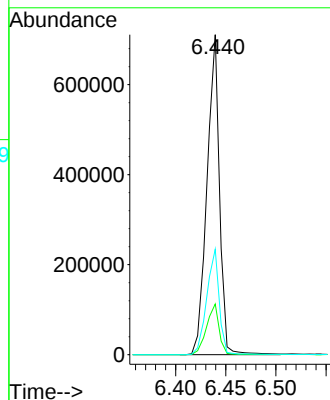
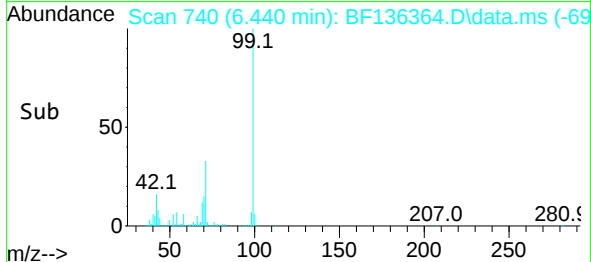
Ion	Ratio	Lower	Upper
99	100		
42	15.8	15.0	22.6
71	32.9	28.9	43.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

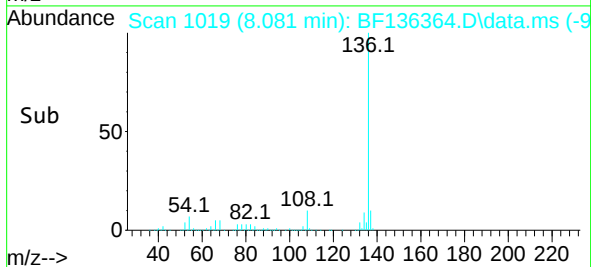
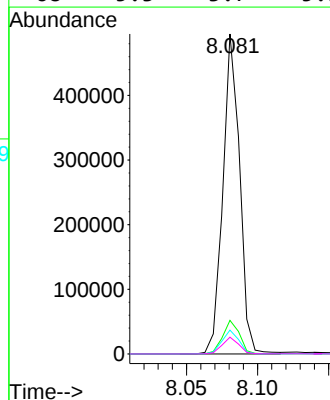
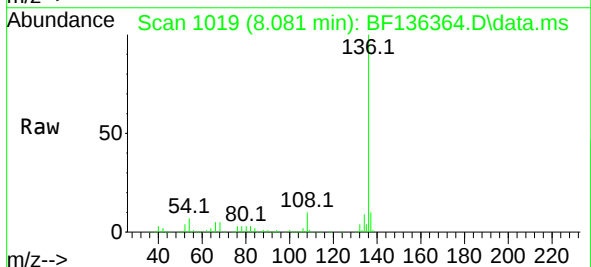
Delta R.T. -0.006 min

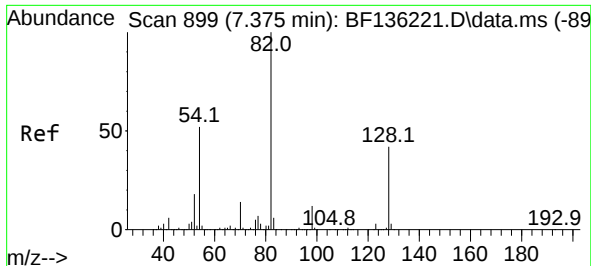
Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Tgt Ion:136 Resp: 404803

Ion	Ratio	Lower	Upper
136	100		
137	10.5	7.4	11.2
54	7.4	5.5	8.3
68	5.3	3.7	5.5





#23

Nitrobenzene-d5

Concen: 48.735 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

Tgt Ion: 82 Resp: 373329

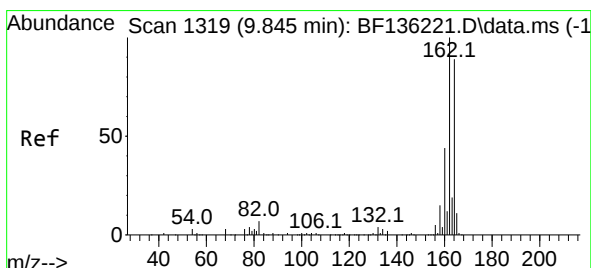
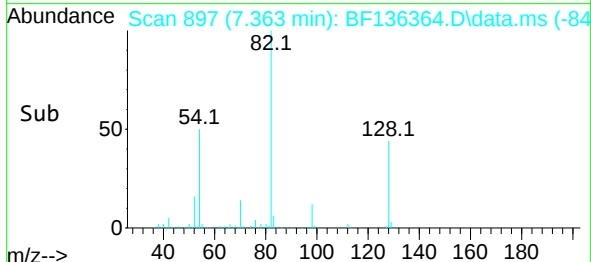
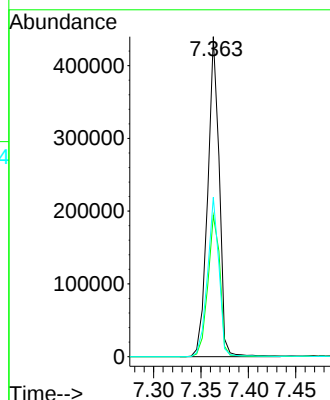
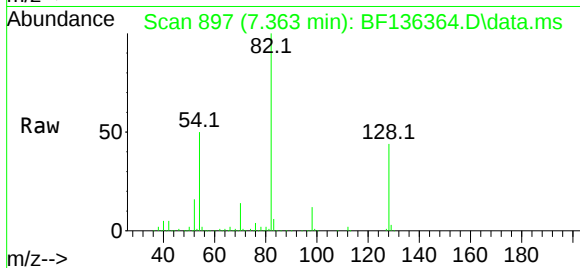
Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.2
54	49.8	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

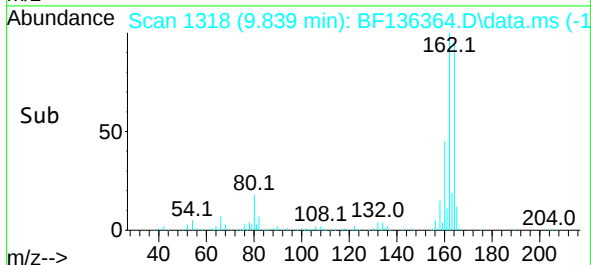
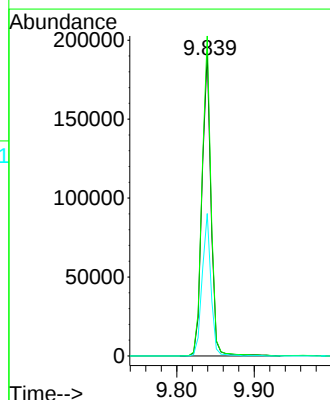
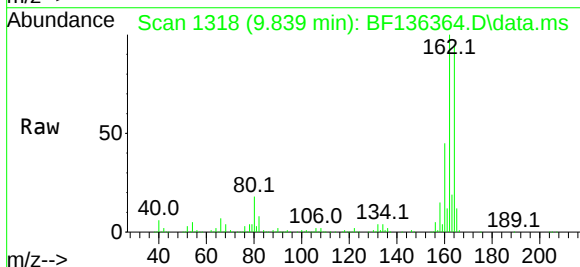
Delta R.T. -0.006 min

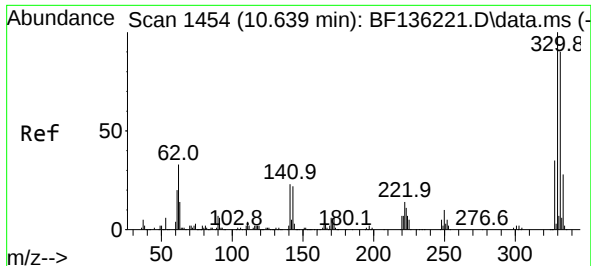
Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Tgt Ion:164 Resp: 154640

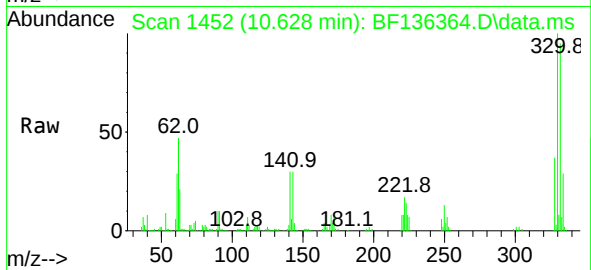
Ion	Ratio	Lower	Upper
164	100		
162	105.4	89.5	134.3
160	46.9	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 58.182 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

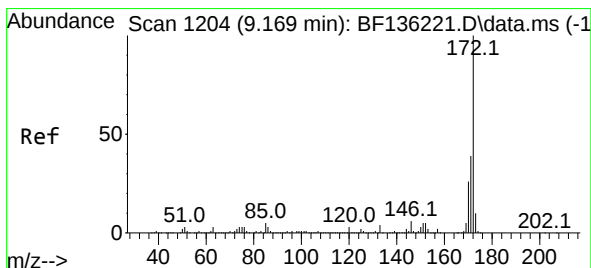
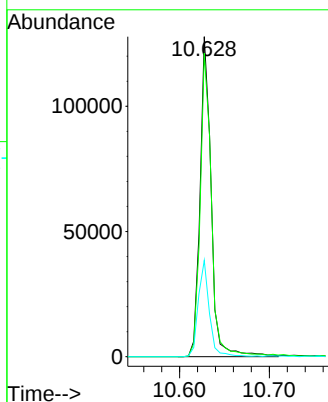
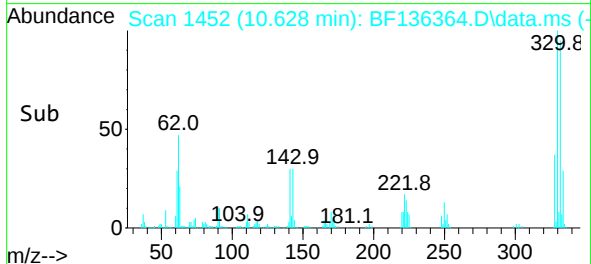
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



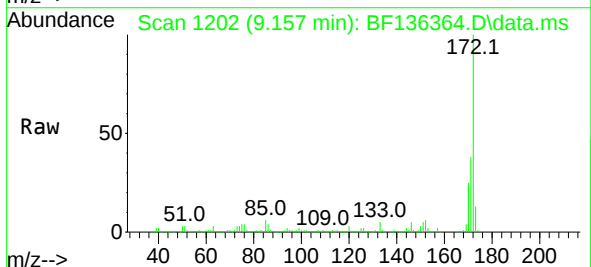
Tgt Ion: 330 Resp: 110000
Ion Ratio Lower Upper
330 100
332 95.4 73.0 109.6
141 29.9 24.2 36.2

Manual Integrations
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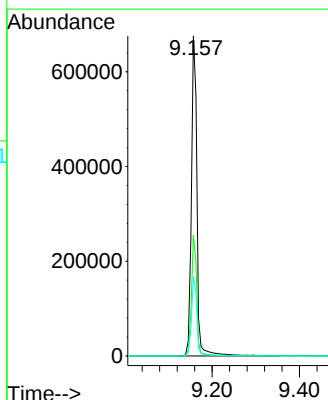
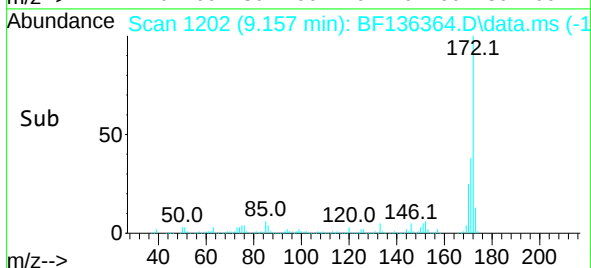
Reviewed By : Yogesh Patel 12/04/2023
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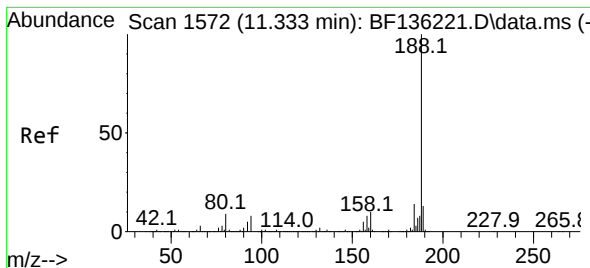


#45
2-Fluorobiphenyl
Concen: 49.400 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48



Tgt Ion: 172 Resp: 598076
Ion Ratio Lower Upper
172 100
171 37.6 31.5 47.3
170 24.8 20.8 31.2





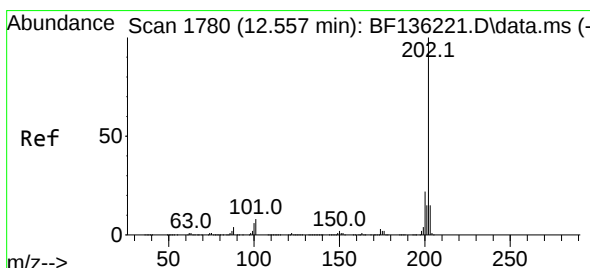
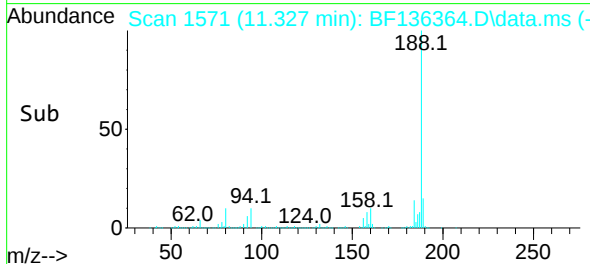
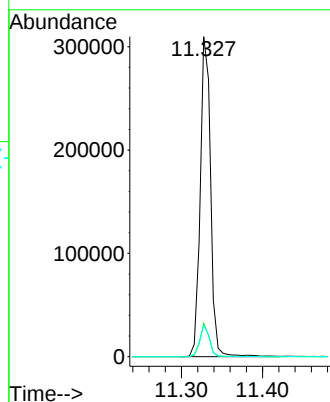
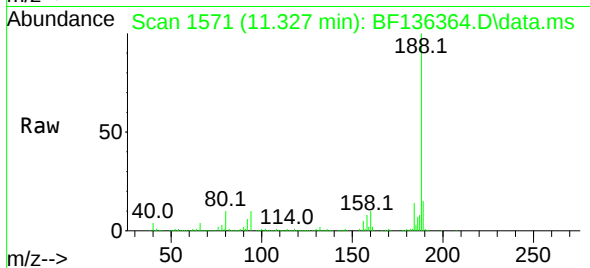
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

Tgt Ion:188 Resp: 275324
Ion Ratio Lower Upper
188 100
94 10.3 6.7 10.1
80 9.8 7.2 10.8

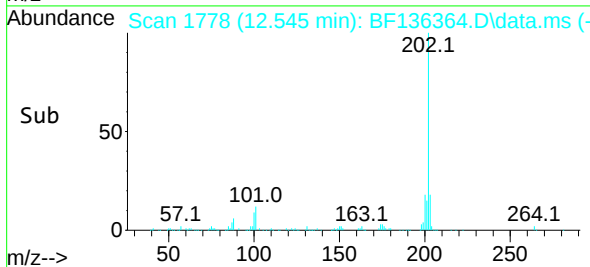
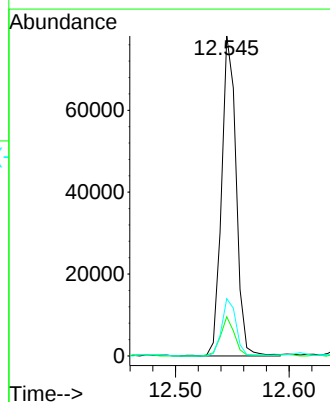
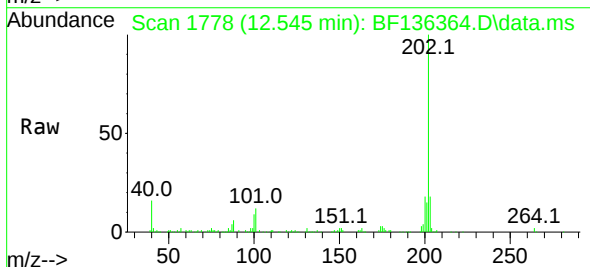
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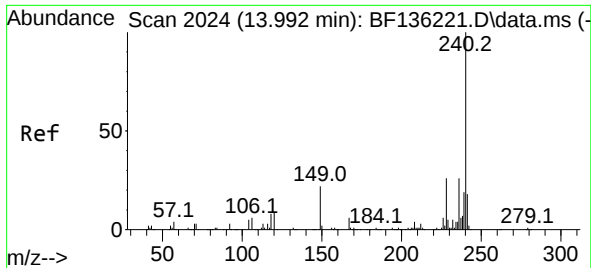
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#75
Fluoranthene
Concen: 4.457 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion:202 Resp: 70017
Ion Ratio Lower Upper
202 100
101 12.2 0.0 27.8
203 17.9 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

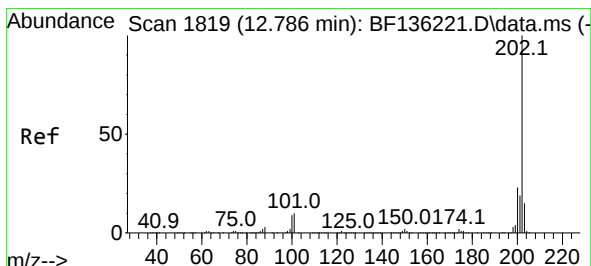
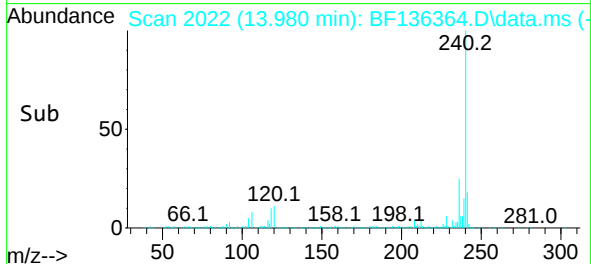
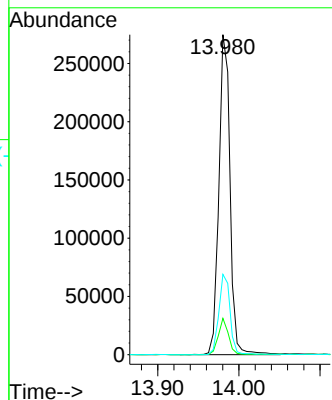
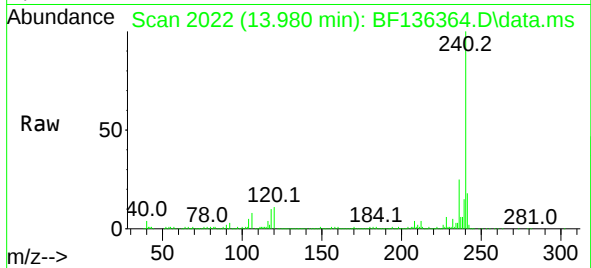
SP-2-COMP

Tgt Ion:240 Resp: 262284
Ion Ratio Lower Upper
240 100
120 11.4 7.4 11.2
236 25.1 21.1 31.7

Manual Integrations

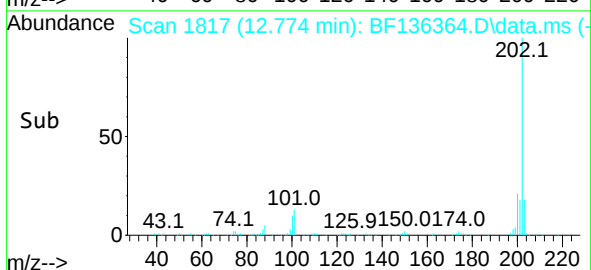
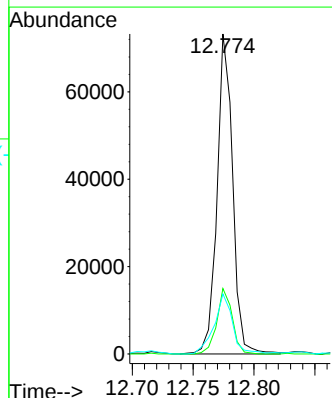
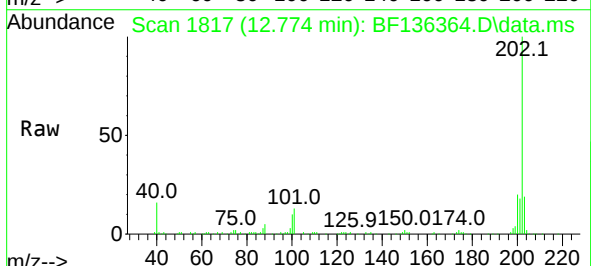
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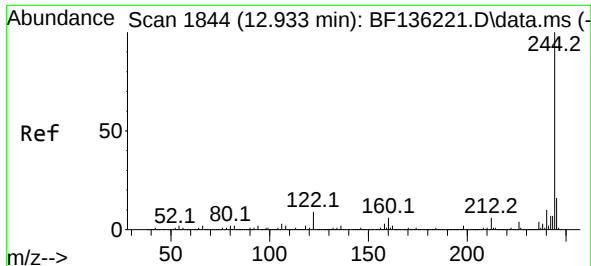
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#78
Pyrene
Concen: 2.277 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion:202 Resp: 65409
Ion Ratio Lower Upper
202 100
200 20.5 18.4 27.6
203 18.7 11.8 17.6#





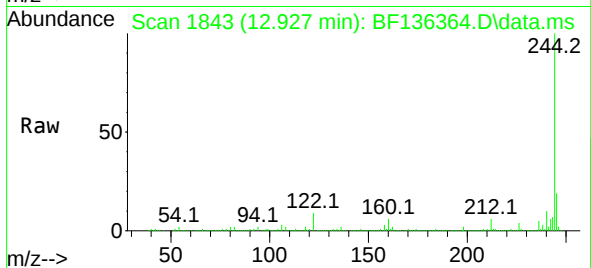
#79
 Terphenyl-d14
 Concen: 28.519 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136364.D
 Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

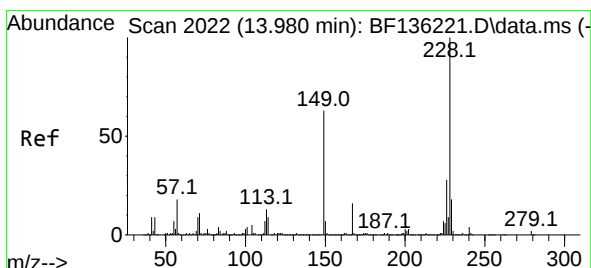
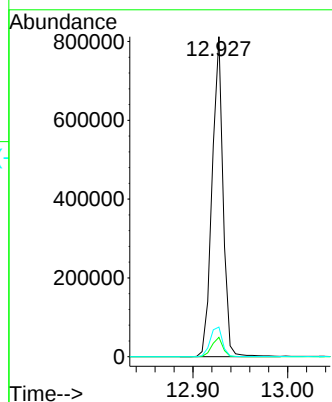
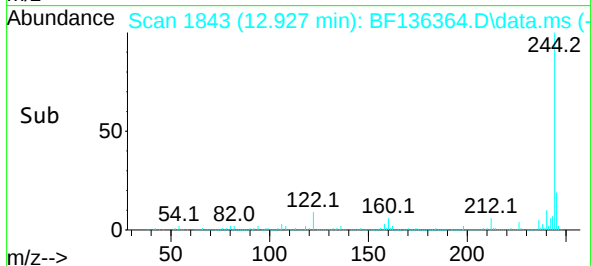


Tgt Ion:244 Resp: 648470
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.6 7.0
 122 9.2 7.3 10.9

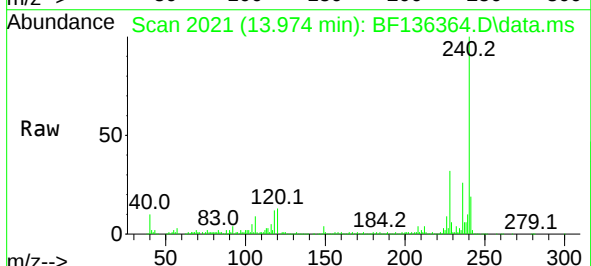
Manual Integrations

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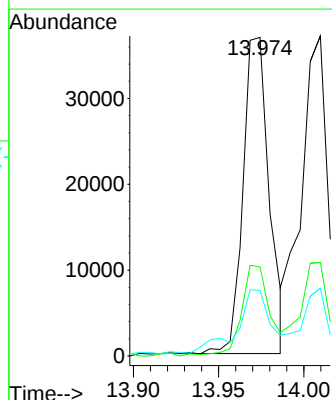
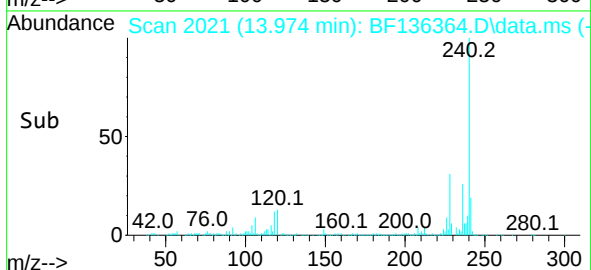
Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/05/2023

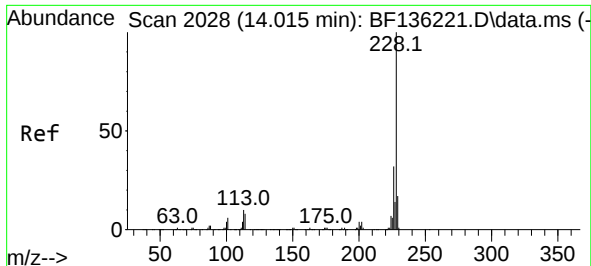


#81
 Benzo(a)anthracene
 Concen: 2.031 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136364.D
 Acq: 02 Dec 2023 06:48



Tgt Ion:228 Resp: 39570
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 34.0
 229 20.5 14.0 21.0





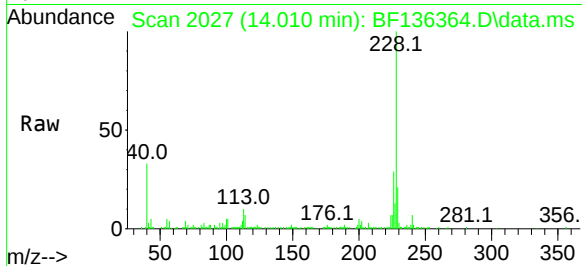
#83
Chrysene
Concen: 2.213 ng m
RT: 14.010 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

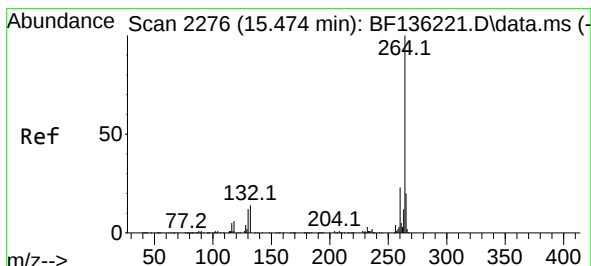
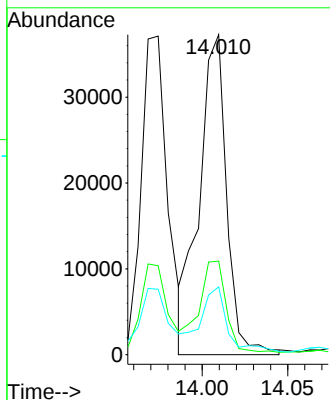
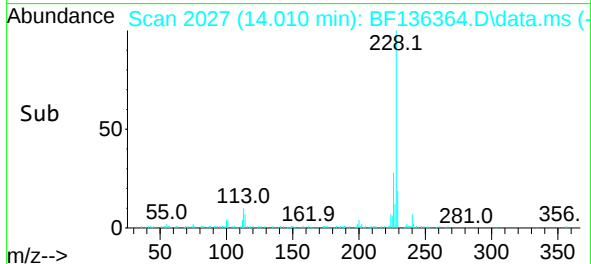


Tgt Ion:228 Resp: 41622
Ion Ratio Lower Upper
228 100
226 29.2 25.5 38.3
229 21.2 13.9 20.9

Manual Integrations

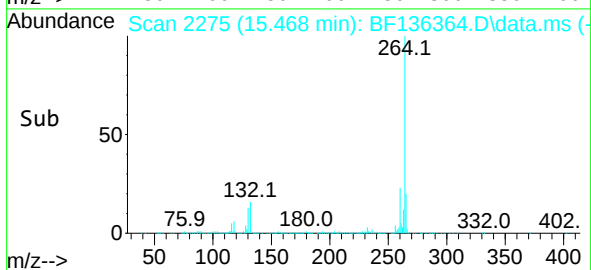
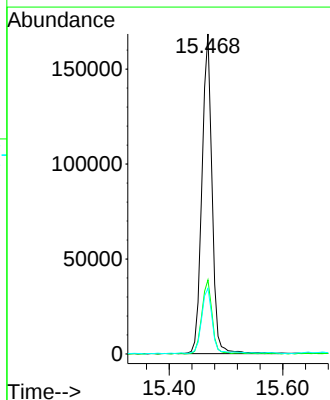
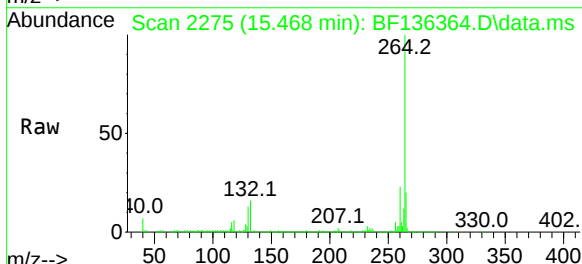
APPROVED

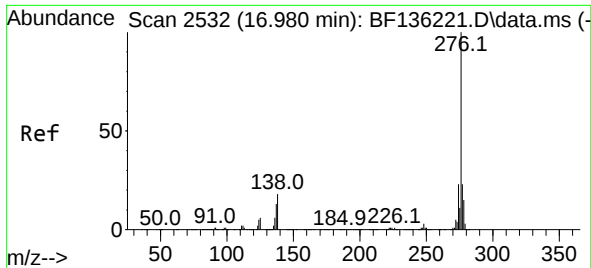
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

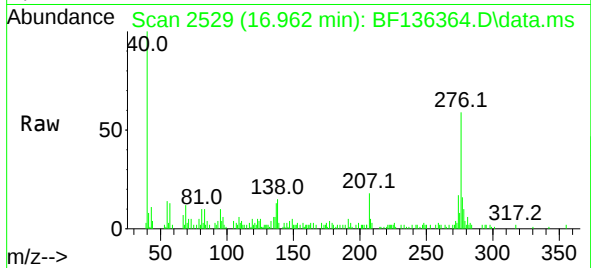
Tgt Ion:264 Resp: 208044
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.5 15.7 23.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.697 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

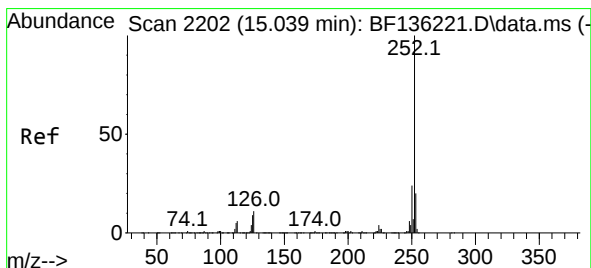
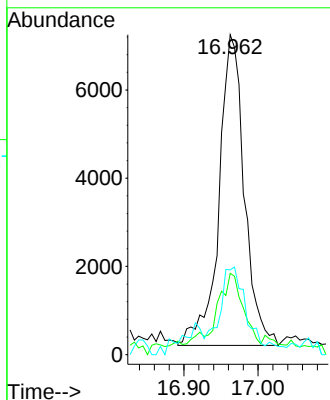
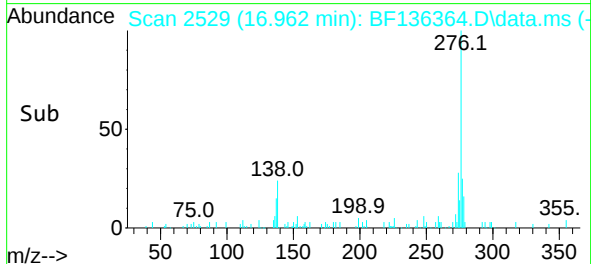
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



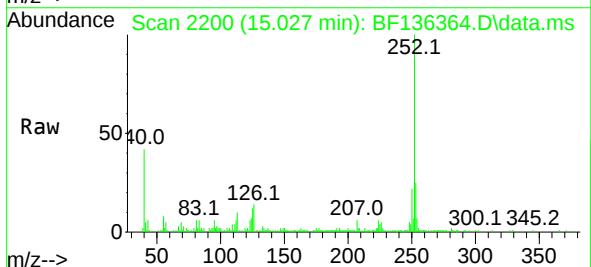
Tgt Ion: 276 Resp: 16760
Ion Ratio Lower Upper
276 100
138 22.5 17.7 26.5
277 23.6 19.6 29.4

Manual Integrations
APPROVED

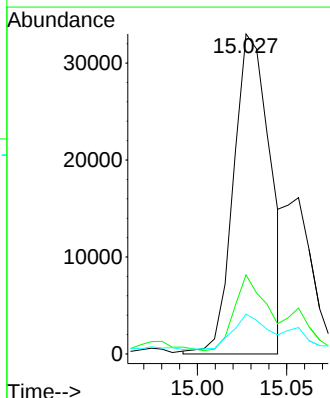
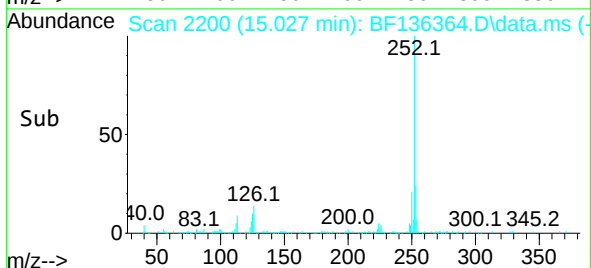
Reviewed By : Yogesh Patel 12/04/2023
Supervised By : mohammad ahmed 12/05/2023

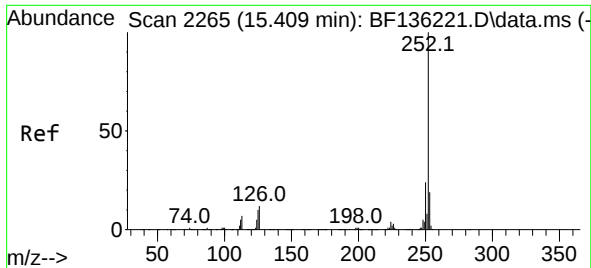


#88
Benzo(b)fluoranthene
Concen: 3.212 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48



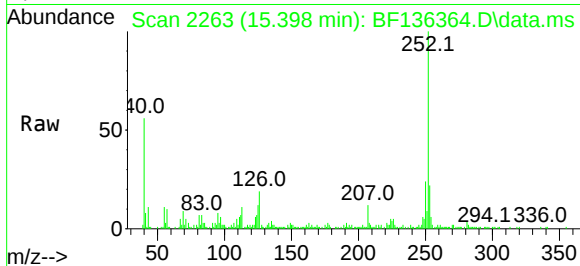
Tgt Ion: 252 Resp: 46887
Ion Ratio Lower Upper
252 100
253 24.7 16.2 24.2#
125 12.4 6.9 10.3#





#90
Benzo(a)pyrene
Concen: 2.460 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

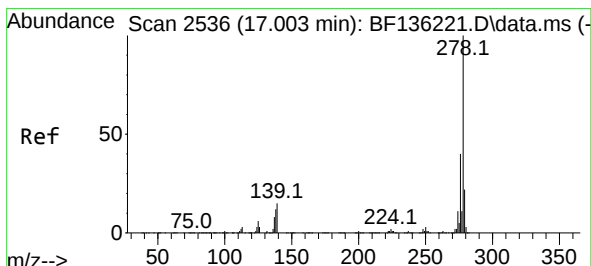
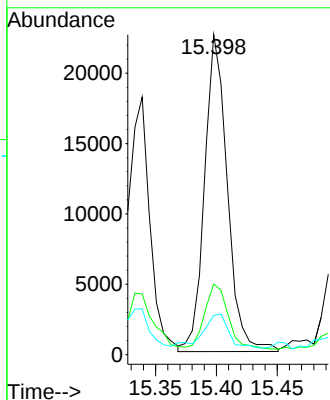
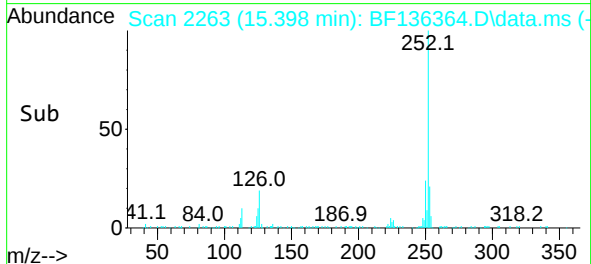
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



Tgt Ion:252 Resp: 2934
Ion Ratio Lower Upper
252 100
253 22.1 15.5 23.3
125 12.2 7.9 11.9

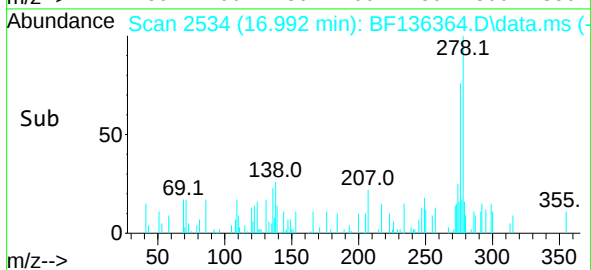
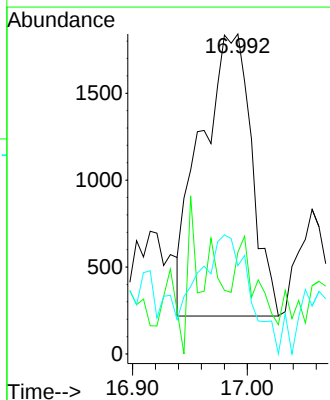
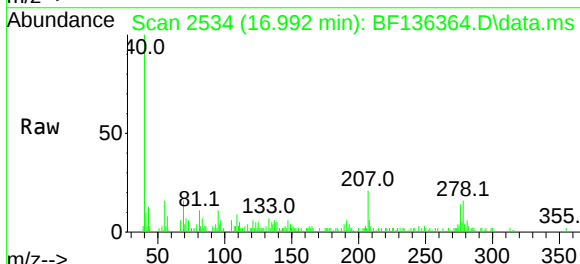
Manual Integrations
APPROVED

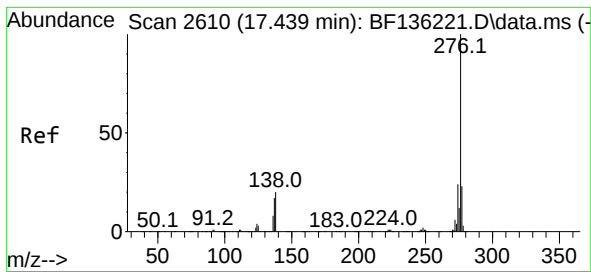
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.091 ng m
RT: 16.992 min Scan# 2534
Delta R.T. -0.011 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion:278 Resp: 4992
Ion Ratio Lower Upper
278 100
139 31.8 11.7 17.5#
279 27.6 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 3.156 ng

RT: 17.421 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF136364.D

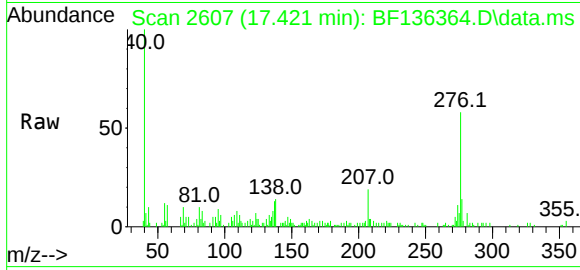
Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP



Tgt Ion:	276	Resp:	1637
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.6	27.8
138	23.7	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023

