

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136327.D
 Acq On : 30 Nov 2023 22:21
 Operator : CG\JU
 Sample : 05434-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 00:14:47 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	107256	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	371537	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	160070	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	304759	20.000	ng	0.00
76) Chrysene-d12	13.992	240	217775	20.000	ng	0.00
86) Perylene-d12	15.480	264	150844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	573076	74.367	ng	0.00
7) Phenol-d6	6.439	99	644060	66.844	ng	0.00
23) Nitrobenzene-d5	7.363	82	388142	55.205	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	156687	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	731887	58.402	ng	0.00
79) Terphenyl-d14	12.933	244	903562	47.859	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	132262	7.722	ng	98
72) Anthracene	11.410	178	37942	2.209	ng	94
75) Fluoranthene	12.551	202	389962	22.426	ng	94
78) Pyrene	12.780	202	372289	15.609	ng	96
81) Benzo(a)anthracene	13.980	228	167579	10.360	ng	94
83) Chrysene	14.015	228	175737m	11.252	ng	
87) Indeno(1,2,3-cd)pyrene	16.986	276	73903	8.868	ng	99
88) Benzo(b)fluoranthene	15.039	252	171904m	16.243	ng	
89) Benzo(k)fluoranthene	15.068	252	57096m	5.680	ng	
90) Benzo(a)pyrene	15.409	252	110671	12.792	ng	# 91
91) Dibenzo(a,h)anthracene	16.998	278	18821	4.676	ng	# 75
92) Benzo(g,h,i)perylene	17.445	276	74908	9.823	ng	99

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

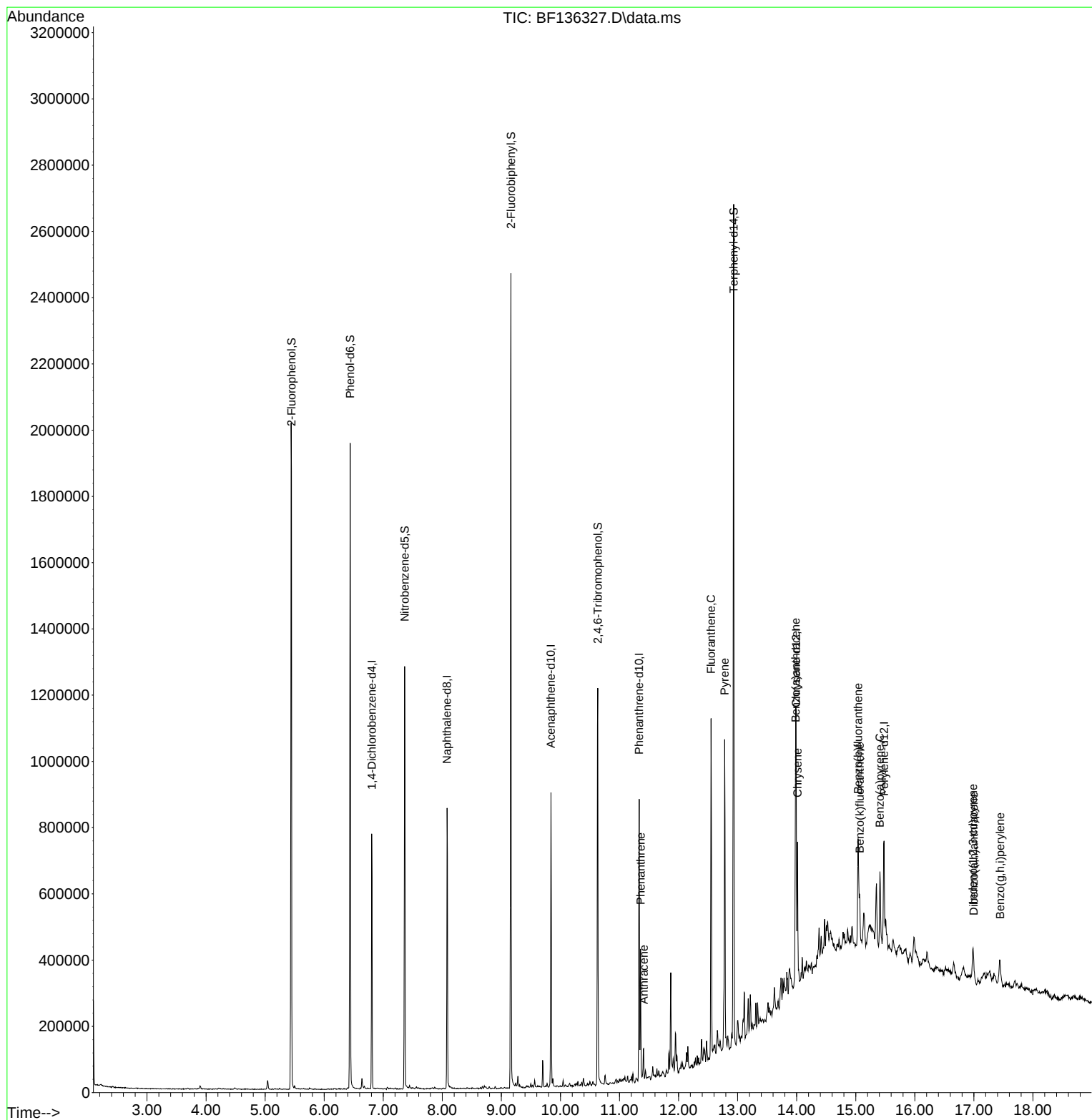
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Data File : BF136327.D
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ALS Vial : 23 Sample Multiplier: 1

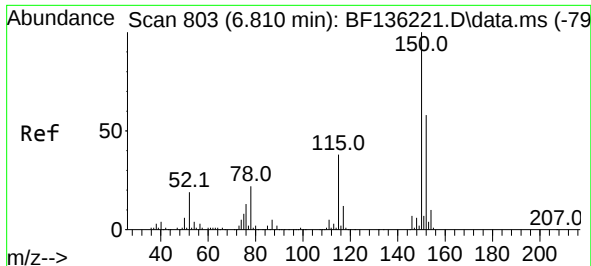
Instrument :
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Quant Time: Dec 01 00:14:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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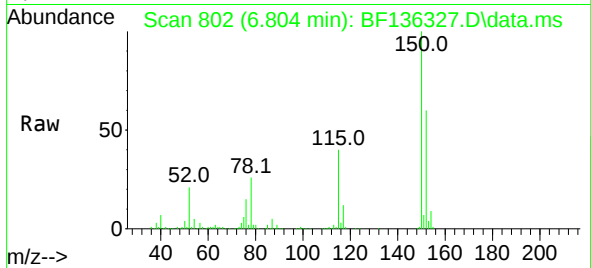
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

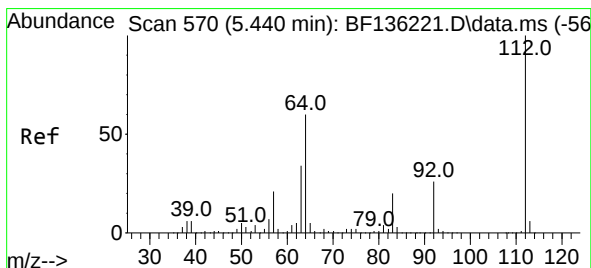
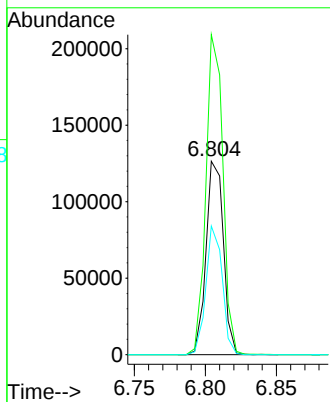
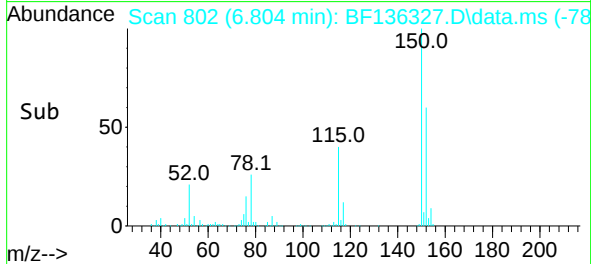
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:152 Resp: 107250
Ion Ratio Lower Upper
152 100
150 165.4 137.8 206.8
115 66.5 52.7 79.1

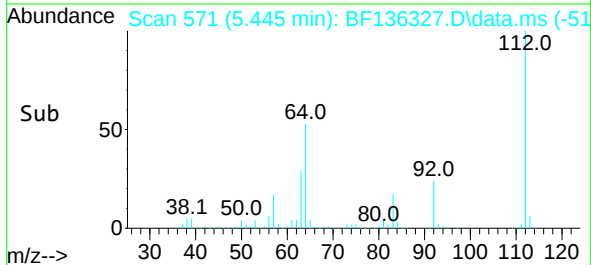
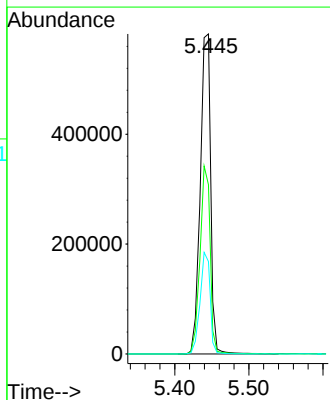
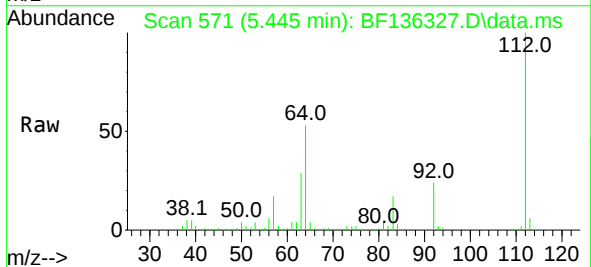
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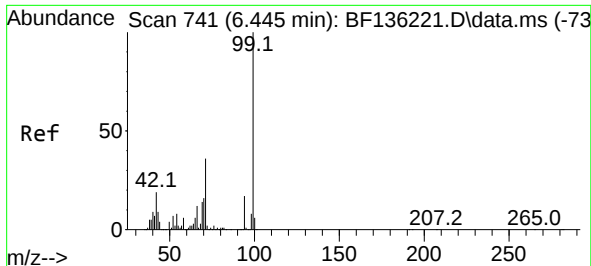
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#5
2-Fluorophenol
Concen: 74.367 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

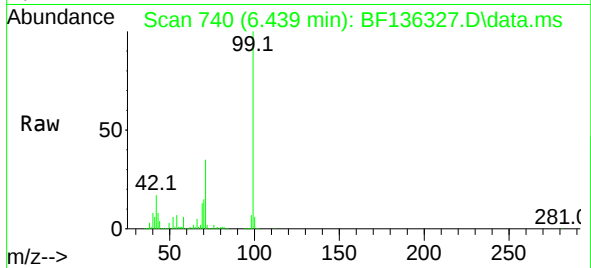
Tgt Ion:112 Resp: 573076
Ion Ratio Lower Upper
112 100
64 52.9 48.2 72.4
63 28.9 27.0 40.6





#7
Phenol-d6
Concen: 66.844 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

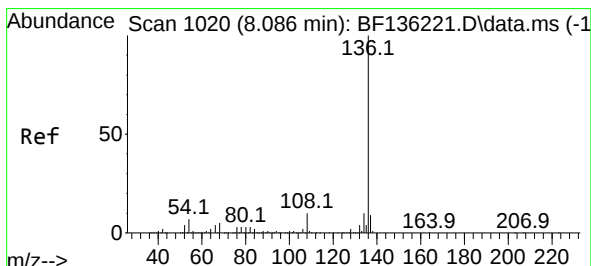
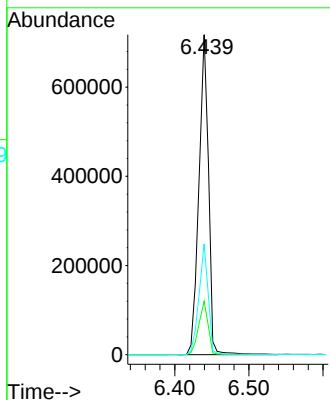
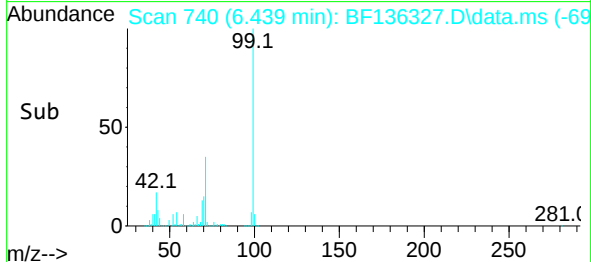
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion: 99 Resp: 644060
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 34.7 28.9 43.3

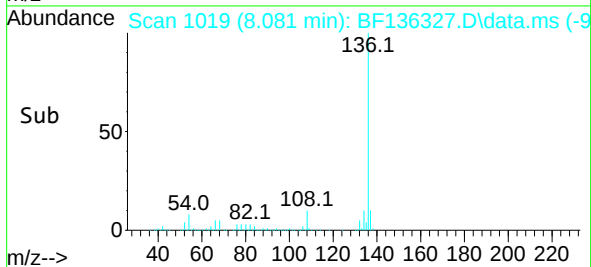
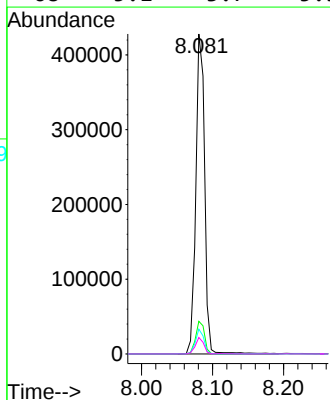
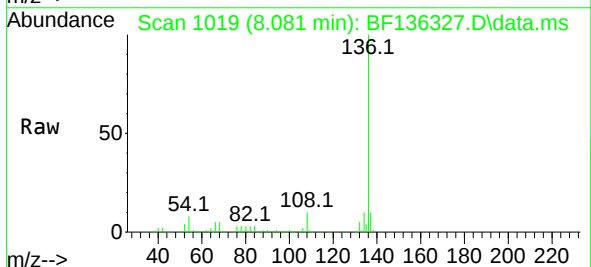
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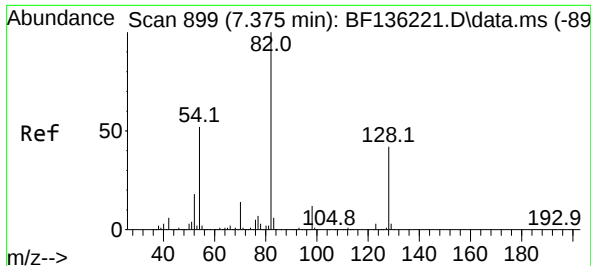
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

Tgt Ion:136 Resp: 371537
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 7.7 5.5 8.3
68 5.1 3.7 5.5





#23

Nitrobenzene-d5

Concen: 55.205 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion: 82 Resp: 38814

Ion Ratio Lower Upper

82 100

128 43.6 33.4 50.2

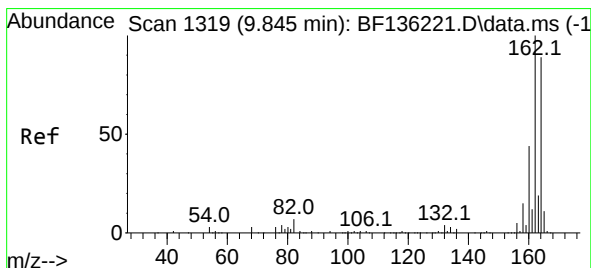
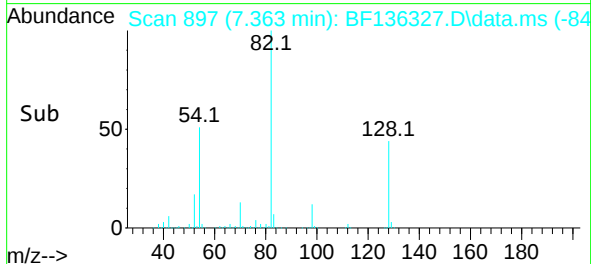
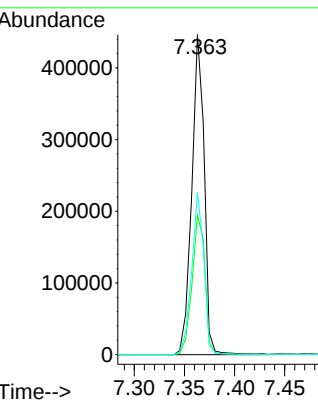
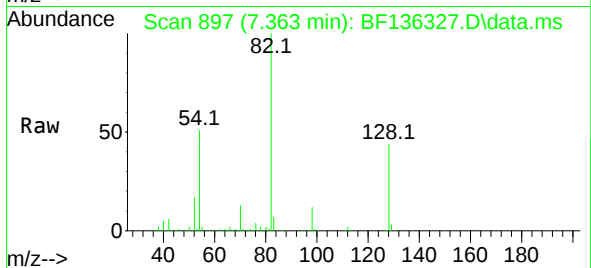
54 50.7 41.7 62.5

Manual Integrations

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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: BF136327.D

Acq: 30 Nov 2023 22:21

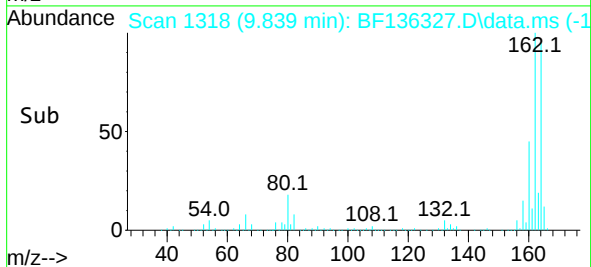
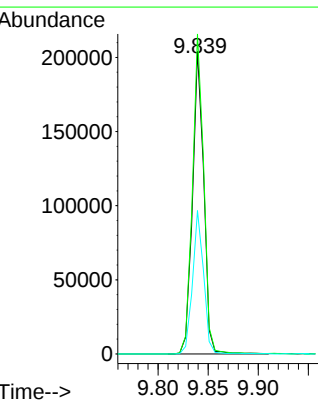
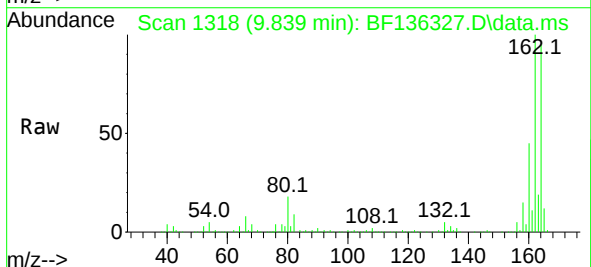
Tgt Ion:164 Resp: 160070

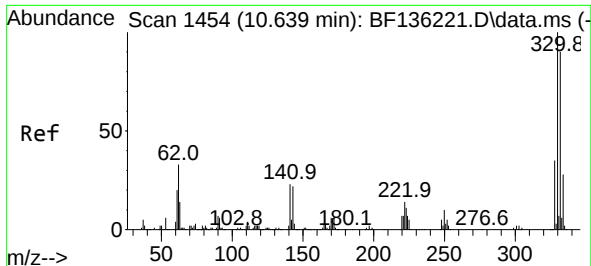
Ion Ratio Lower Upper

164 100

162 105.8 89.5 134.3

160 47.4 39.6 59.4





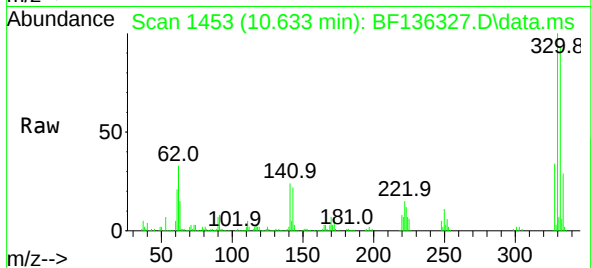
#42
2,4,6-Tribromophenol
Concen: 80.065 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

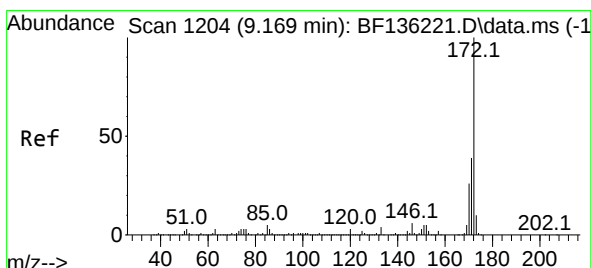
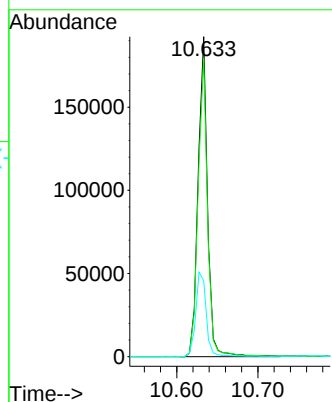
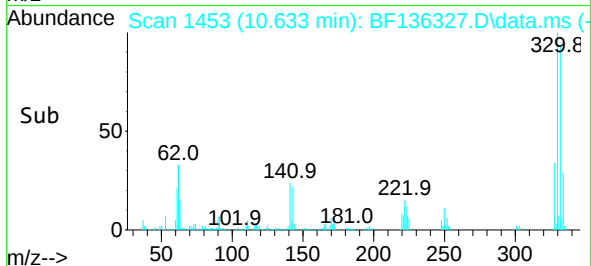


Tgt Ion:330 Resp: 156687
Ion Ratio Lower Upper
330 100
332 93.6 73.0 109.6
141 29.6 24.2 36.2

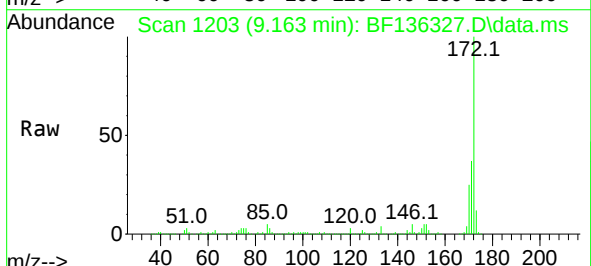
Manual Integrations

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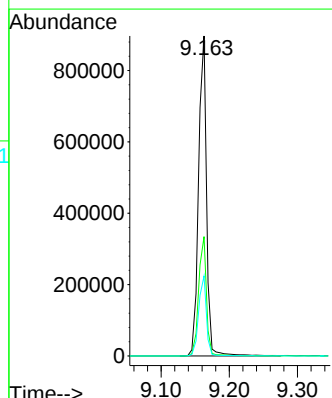
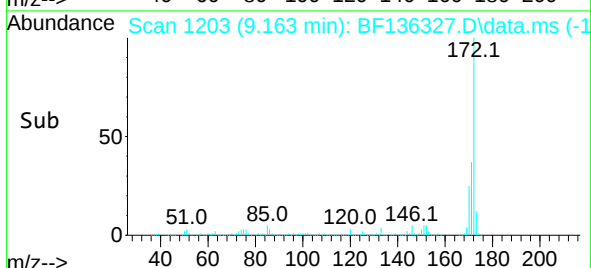
Reviewed By :Yogesh Patel 12/01/2023
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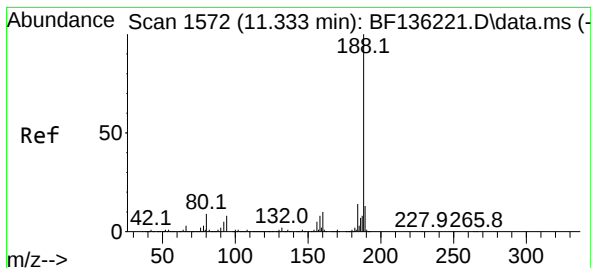


#45
2-Fluorobiphenyl
Concen: 58.402 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21



Tgt Ion:172 Resp: 731887
Ion Ratio Lower Upper
172 100
171 37.3 31.5 47.3
170 25.0 20.8 31.2





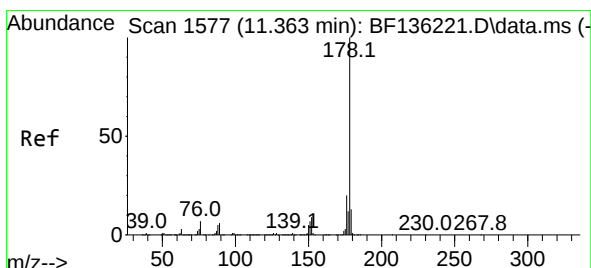
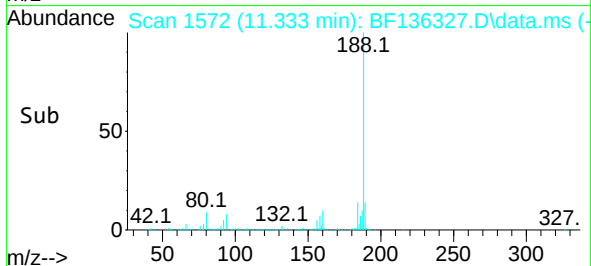
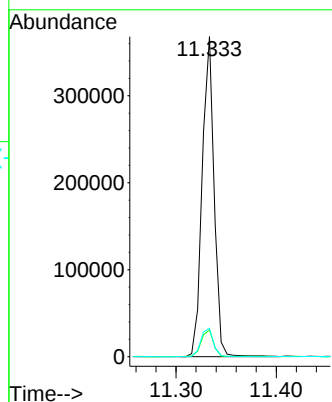
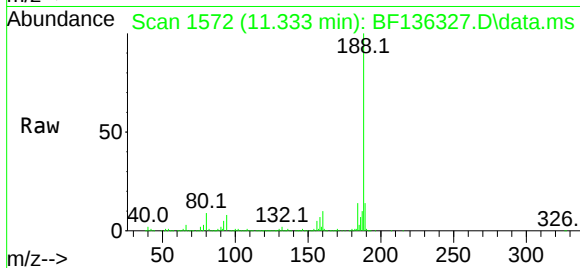
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:188 Resp: 304759
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 8.9 7.2 10.8

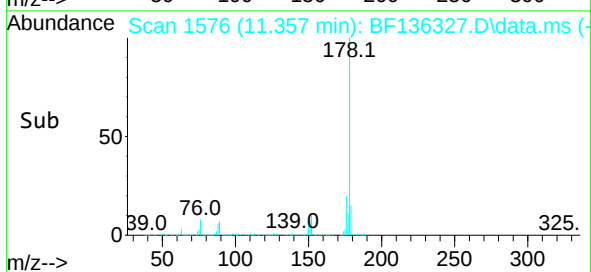
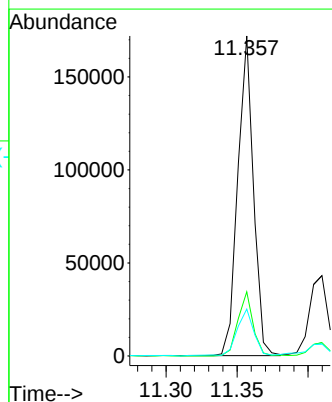
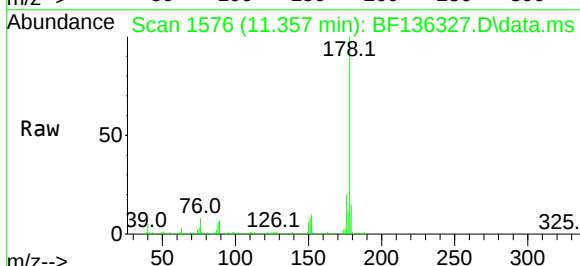
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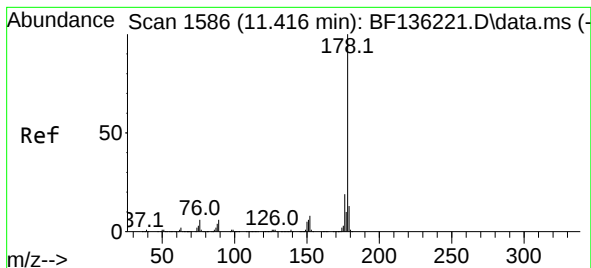
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 7.722 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

Tgt Ion:178 Resp: 132262
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 14.7 10.3 15.5





#72

Anthracene

Concen: 2.209 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:178 Resp: 3794

Ion Ratio Lower Upper

178 100

176 16.6 15.5 23.3

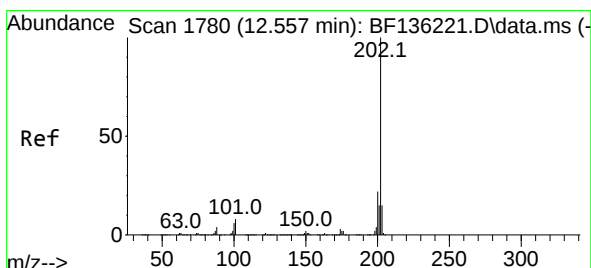
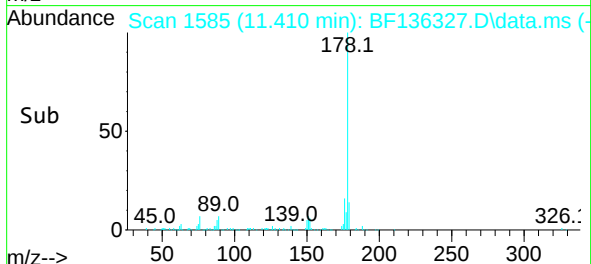
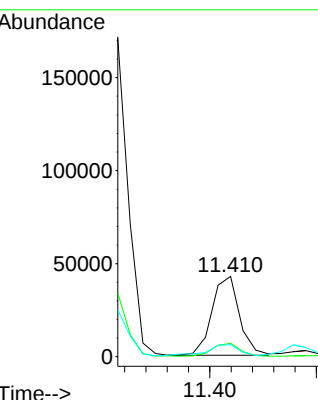
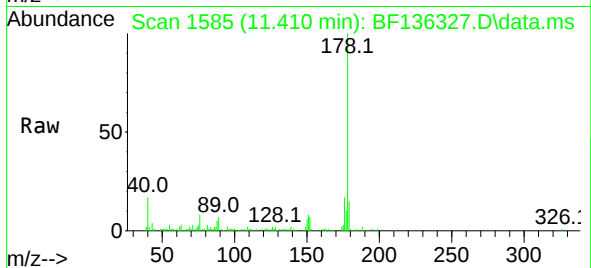
179 14.9 10.5 15.7

Manual Integrations

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Supervised By :mohammad ahmed 12/01/2023



#75

Fluoranthene

Concen: 22.426 ng

RT: 12.551 min Scan# 1779

Delta R.T. -0.006 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

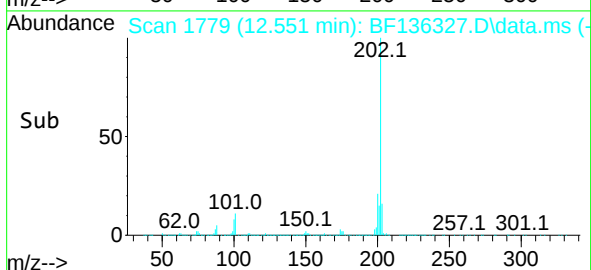
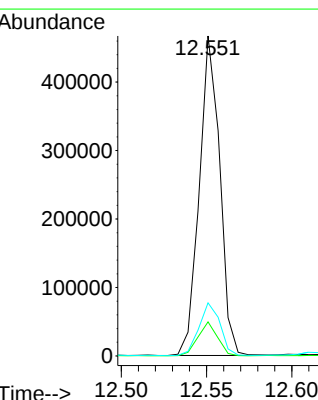
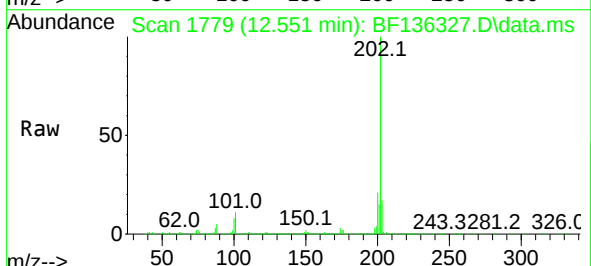
Tgt Ion:202 Resp: 389962

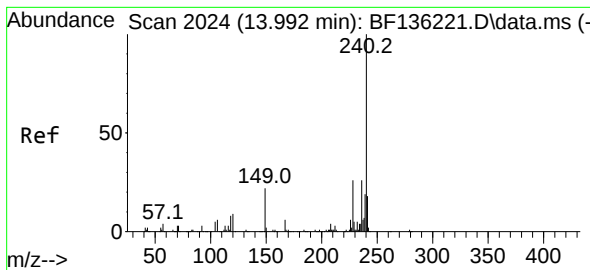
Ion Ratio Lower Upper

202 100

101 10.7 0.0 27.8

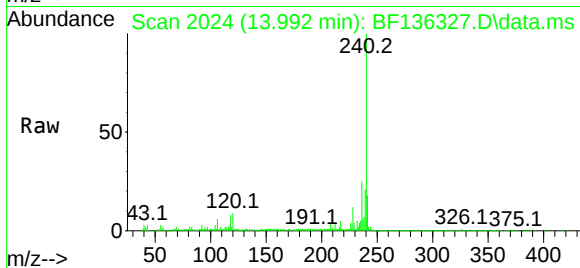
203 16.6 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

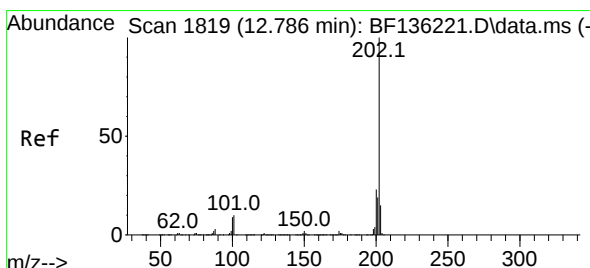
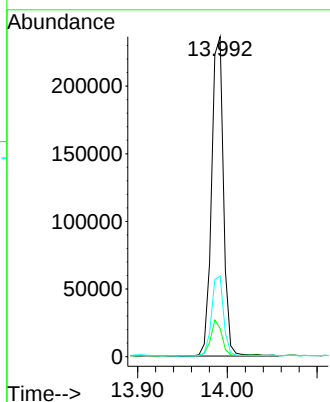
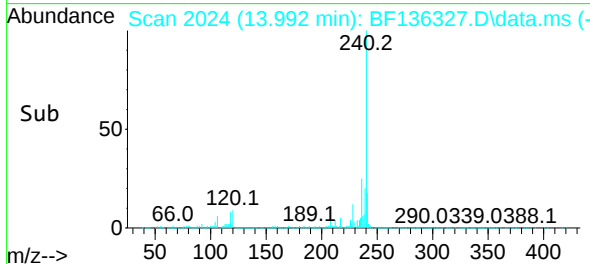
Instrument :
BNA_F
ClientSampleId :
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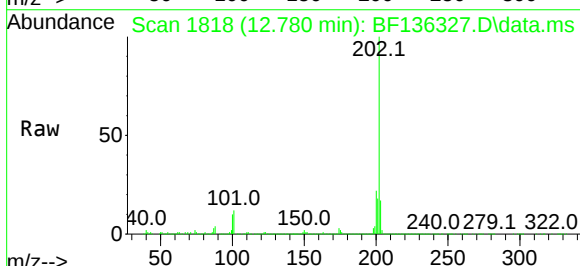
Tgt Ion:240 Resp: 217775
Ion Ratio Lower Upper
240 100
120 8.9 7.4 11.2
236 25.2 21.1 31.7

Manual Integrations
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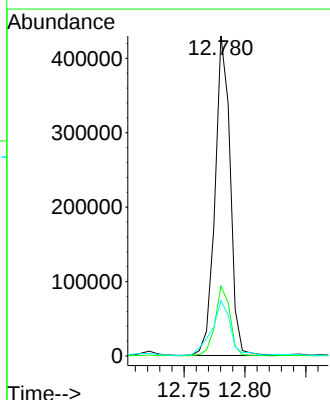
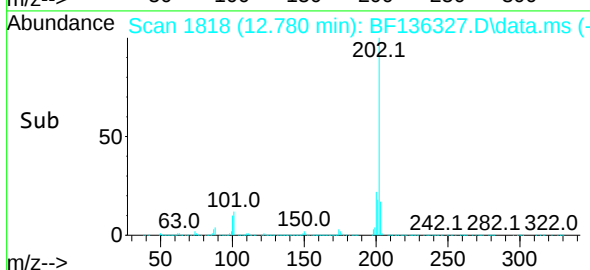
Reviewed By :Yogesh Patel 12/01/2023
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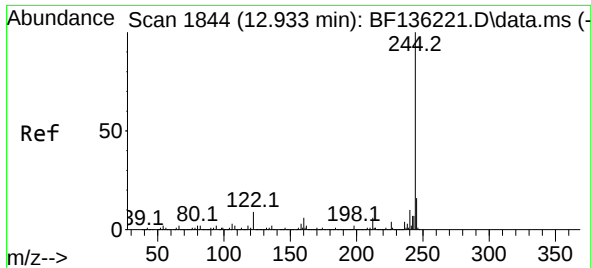


#78
Pyrene
Concen: 15.609 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21



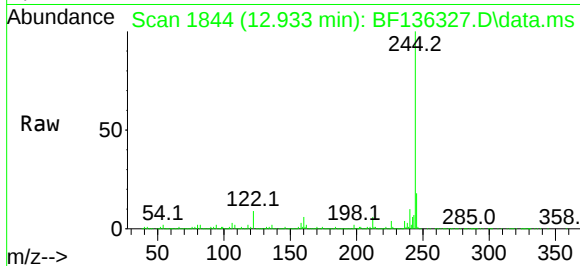
Tgt Ion:202 Resp: 372289
Ion Ratio Lower Upper
202 100
200 21.8 18.4 27.6
203 17.2 11.8 17.6





#79
Terphenyl-d14
Concen: 47.859 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21

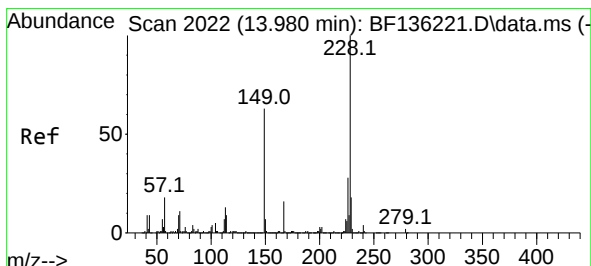
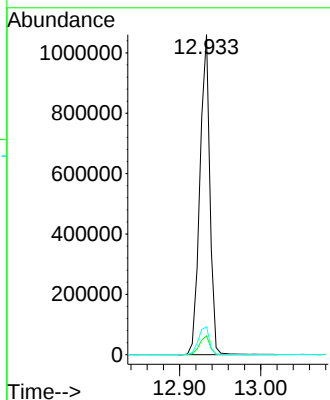
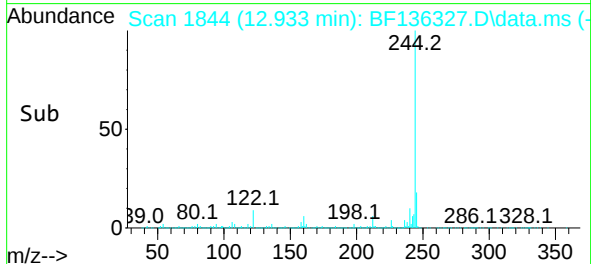
Instrument :
BNA_F
ClientSampleId :
COMP-2



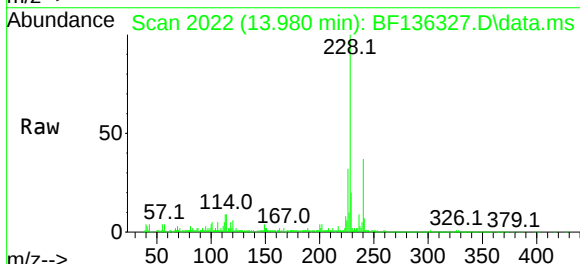
Tgt Ion:244 Resp: 903562
Ion Ratio Lower Upper
244 100
212 5.9 4.6 7.0
122 8.7 7.3 10.9

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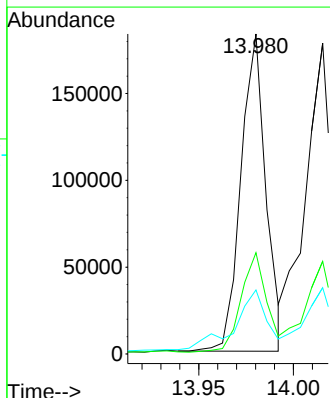
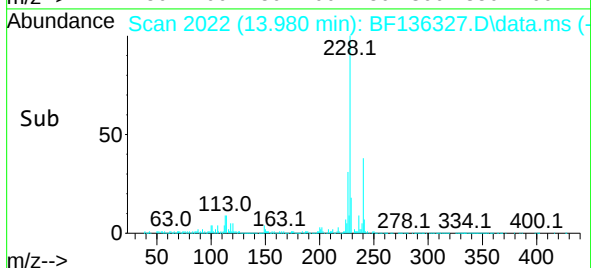
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

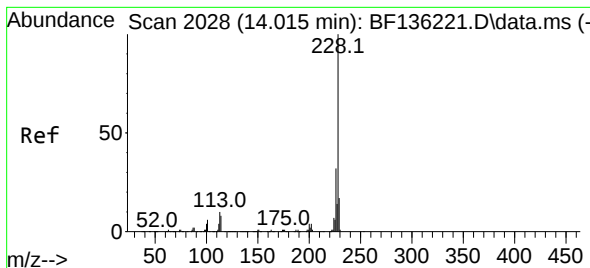


#81
Benzo(a)anthracene
Concen: 10.360 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF136327.D
Acq: 30 Nov 2023 22:21



Tgt Ion:228 Resp: 167579
Ion Ratio Lower Upper
228 100
226 31.7 22.6 34.0
229 20.0 14.0 21.0





#83

Chrysene

Concen: 11.252 ng m

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:228 Resp: 17573

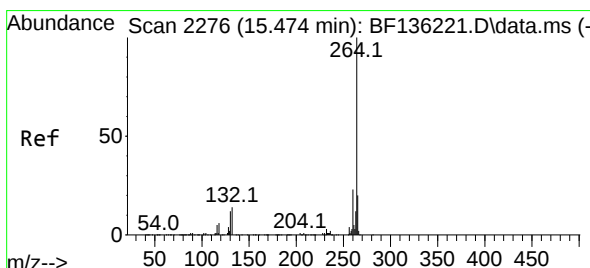
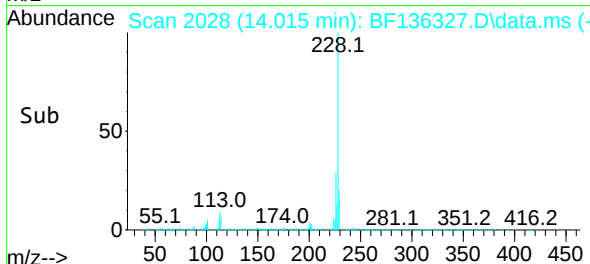
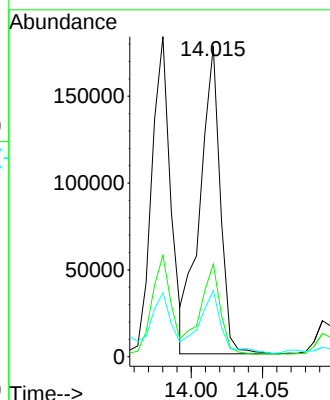
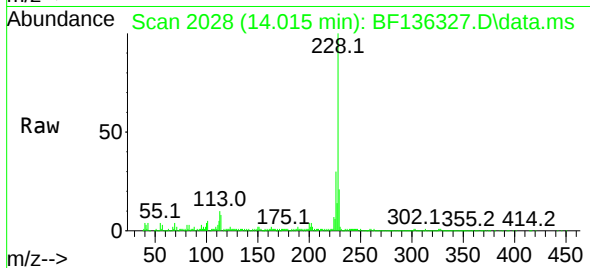
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.5	38.3
229	21.3	13.9	20.9

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: 15.480 min Scan# 2277

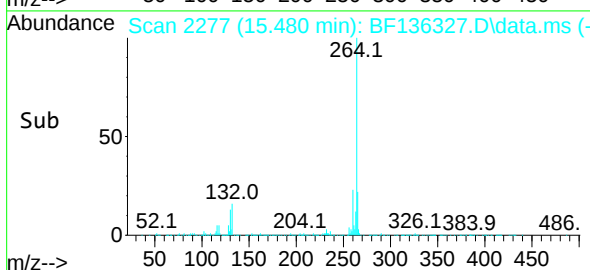
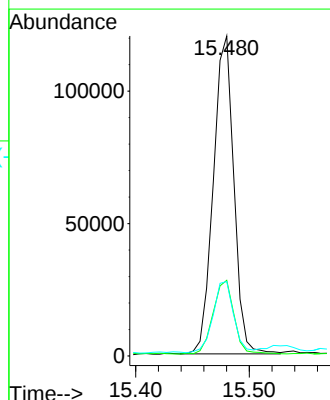
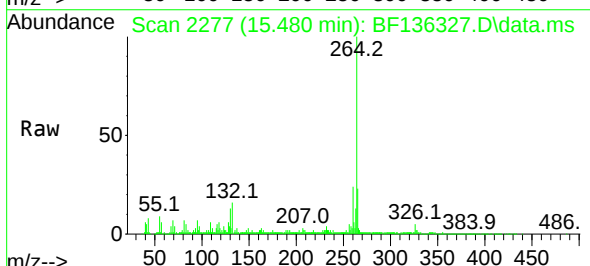
Delta R.T. 0.006 min

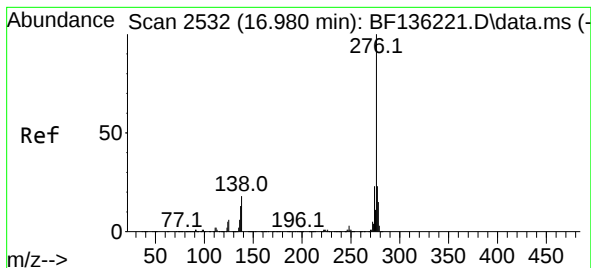
Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Tgt Ion:264 Resp: 150844

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	23.3	15.7	23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.868 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

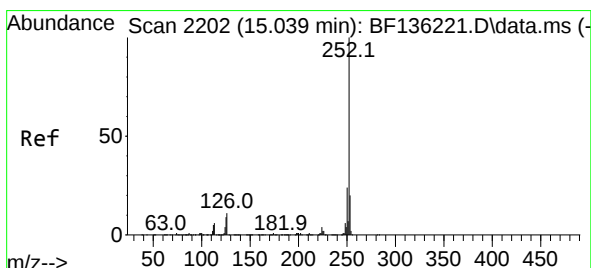
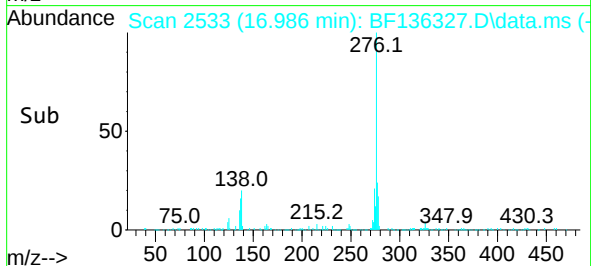
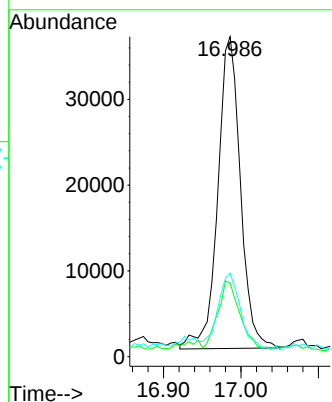
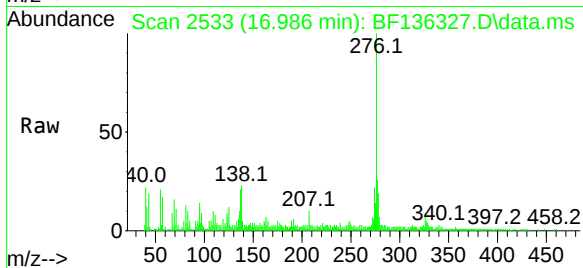
Tgt Ion:	276	Resp:	7390
Ion Ratio	Lower	Upper	
276	100		
138	21.2	17.7	26.5
277	24.2	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#88

Benzo(b)fluoranthene

Concen: 16.243 ng m

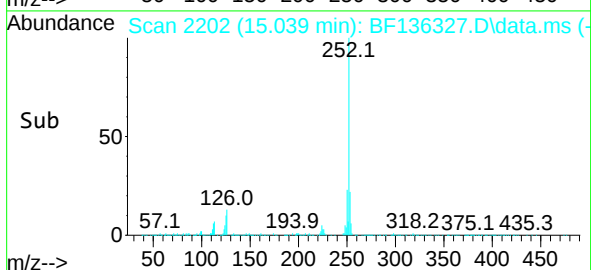
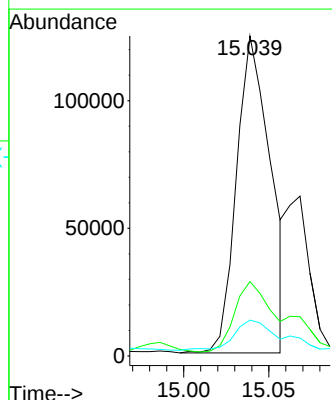
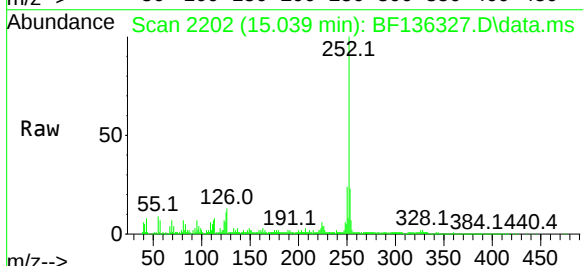
RT: 15.039 min Scan# 2202

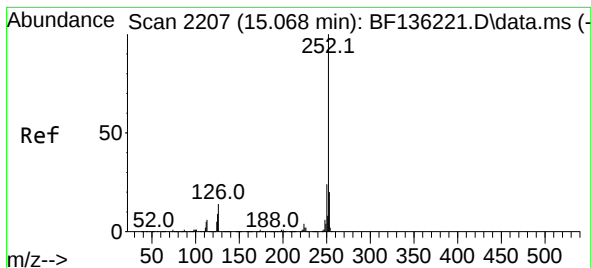
Delta R.T. 0.000 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Tgt Ion:	252	Resp:	171904
Ion Ratio	Lower	Upper	
252	100		
253	23.2	16.2	24.2
125	11.2	6.9	10.3





#89

Benzo(k)fluoranthene

Concen: 5.680 ng m

RT: 15.068 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

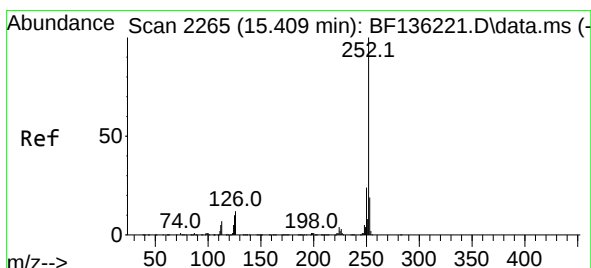
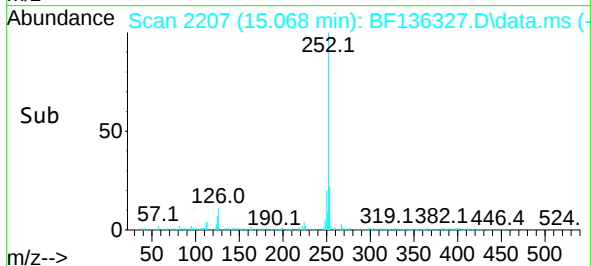
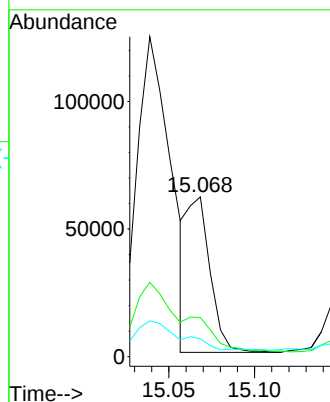
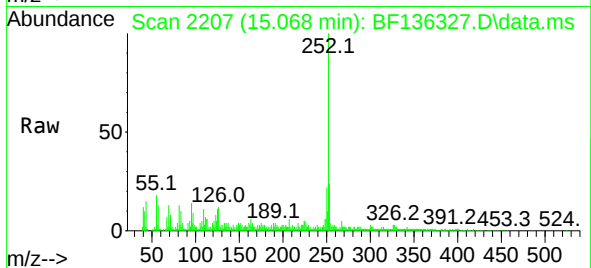
Tgt Ion:252 Resp: 57090
 Ion Ratio Lower Upper
 252 100
 253 24.5 15.6 23.4#
 125 11.2 7.0 10.4#

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: 12.792 ng

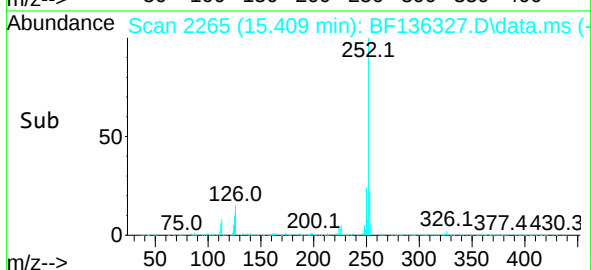
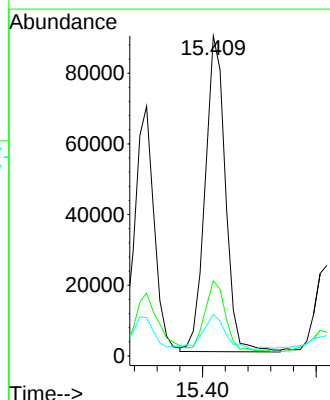
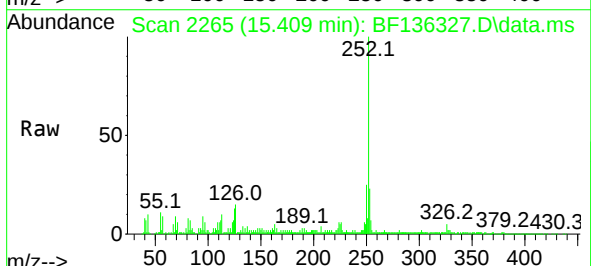
RT: 15.409 min Scan# 2265

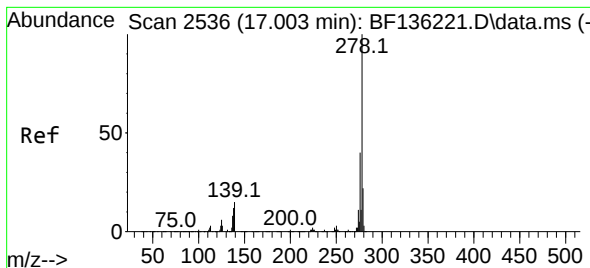
Delta R.T. 0.000 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Tgt Ion:252 Resp: 110671
 Ion Ratio Lower Upper
 252 100
 253 23.5 15.5 23.3#
 125 13.0 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 4.676 ng

RT: 16.998 min Scan# 2536

Delta R.T. -0.005 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:278 Resp: 1882

Ion Ratio Lower Upper

278 100

139 26.6 11.7 17.5

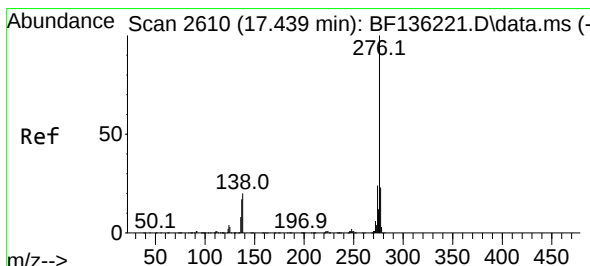
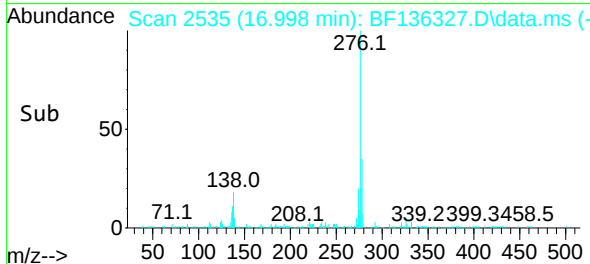
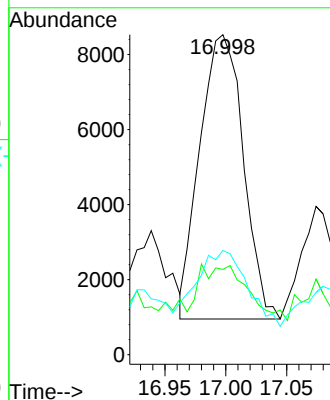
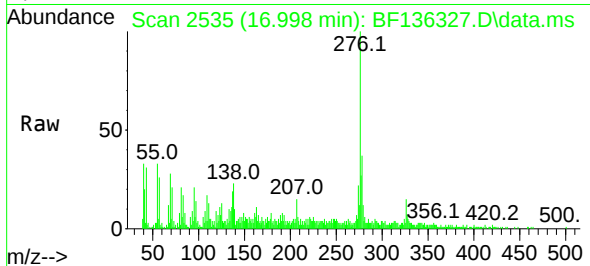
279 32.6 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#92

Benzo(g,h,i)perylene

Concen: 9.823 ng

RT: 17.445 min Scan# 2611

Delta R.T. 0.006 min

Lab File: BF136327.D

Acq: 30 Nov 2023 22:21

Tgt Ion:276 Resp: 74908

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 19.6 15.8 23.8

