

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136319.D
 Acq On : 30 Nov 2023 18:05
 Operator : CG\JU
 Sample : 05556-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

Quant Time: Dec 01 00:09:43 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	131948	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	517775	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	234068	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	333448	20.000	ng	0.00
76) Chrysene-d12	13.980	240	256252	20.000	ng	-0.01
86) Perylene-d12	15.462	264	267189	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	723150	76.281	ng	0.00
7) Phenol-d6	6.439	99	941471	79.425	ng	0.00
23) Nitrobenzene-d5	7.363	82	584622	59.666	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	144367	50.448	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1171187	63.911	ng	-0.01
79) Terphenyl-d14	12.927	244	879824	39.604	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	106218	5.668	ng	95
75) Fluoranthene	12.545	202	189317	9.951	ng	94
78) Pyrene	12.774	202	171731	6.119	ng	95
81) Benzo(a)anthracene	13.968	228	91685	4.817	ng	97
83) Chrysene	14.004	228	86053m	4.682	ng	
87) Indeno(1,2,3-cd)pyrene	16.956	276	34972	4.332	ng	96
88) Benzo(b)fluoranthene	15.027	252	114653m	6.116	ng	
89) Benzo(k)fluoranthene	15.051	252	36464m	2.048	ng	
90) Benzo(a)pyrene	15.398	252	73493	4.796	ng	96
91) Dibenzo(a,h)anthracene	16.980	278	11095	3.366	ng	# 85
92) Benzo(g,h,i)perylene	17.415	276	31318	3.771	ng	94

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

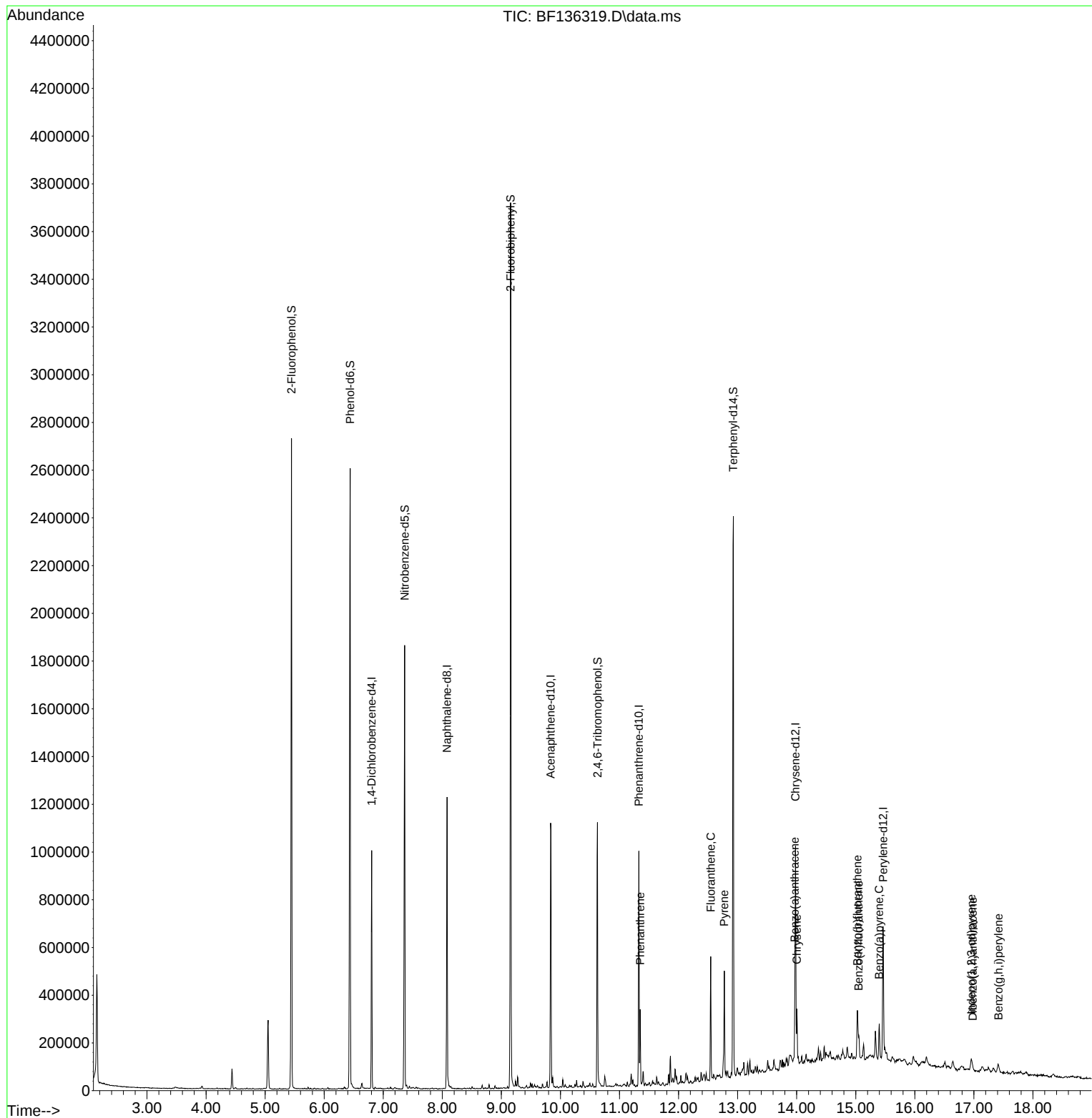
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Data File : BF136319.D
Acq On : 30 Nov 2023 18:05
Operator : CG\JU
Sample : 05556-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

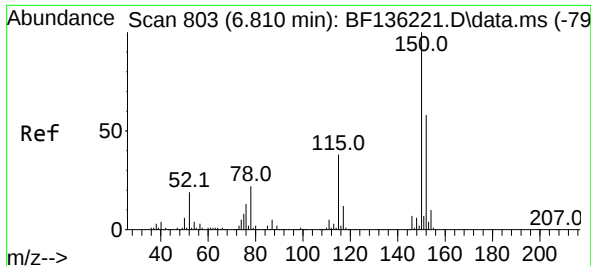
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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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: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

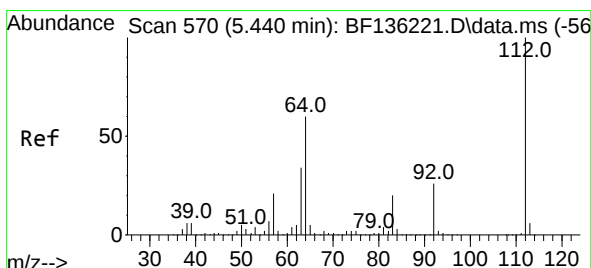
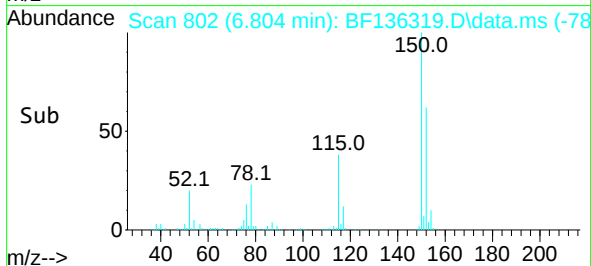
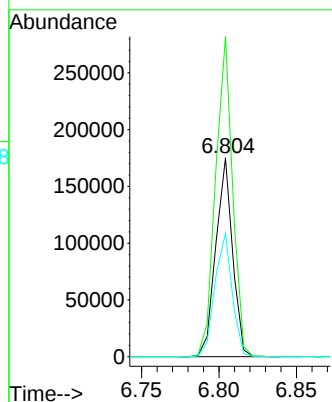
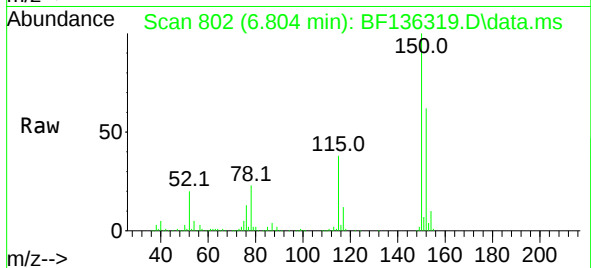
SP-1-COMP

Tgt Ion:152 Resp: 131948
Ion Ratio Lower Upper
152 100
150 160.9 137.8 206.8
115 62.0 52.7 79.1

Manual Integrations

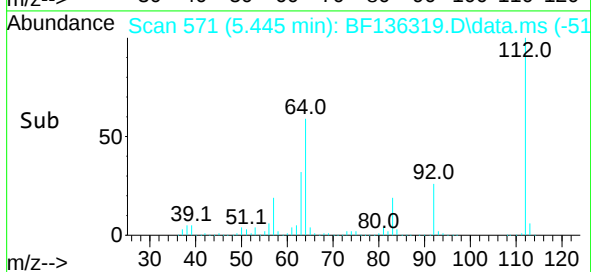
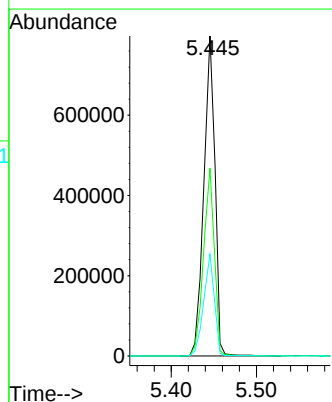
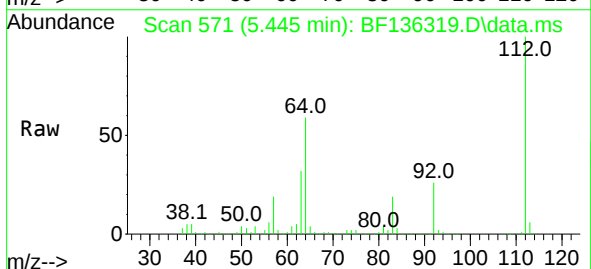
APPROVED

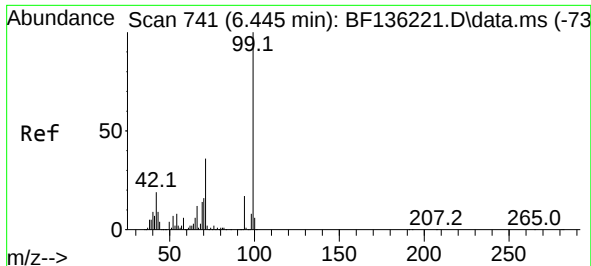
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#5
2-Fluorophenol
Concen: 76.281 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

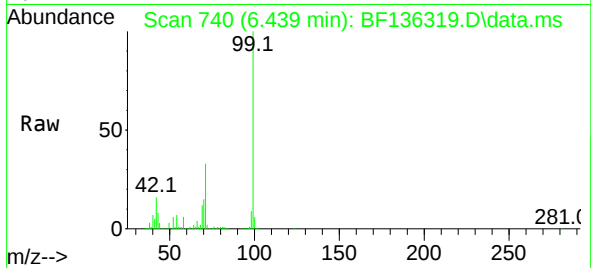
Tgt Ion:112 Resp: 723150
Ion Ratio Lower Upper
112 100
64 58.6 48.2 72.4
63 31.8 27.0 40.6





#7
Phenol-d6
Concen: 79.425 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

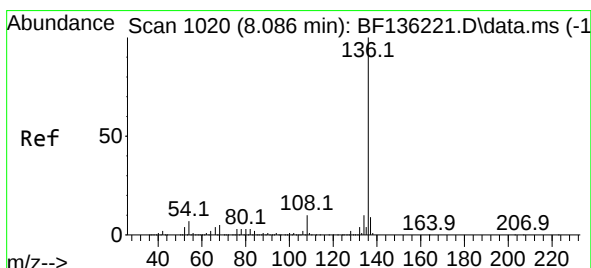
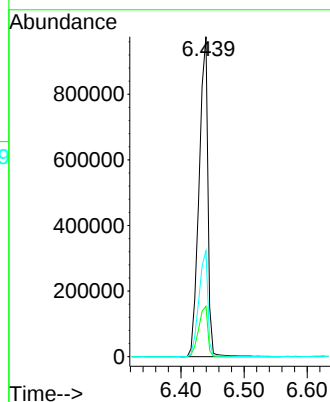
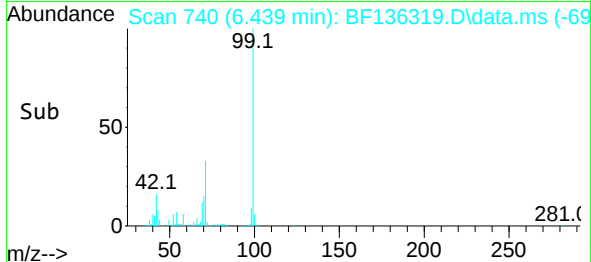
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion: 99 Resp: 94147
Ion Ratio Lower Upper
99 100
42 15.8 15.0 22.6
71 33.1 28.9 43.3

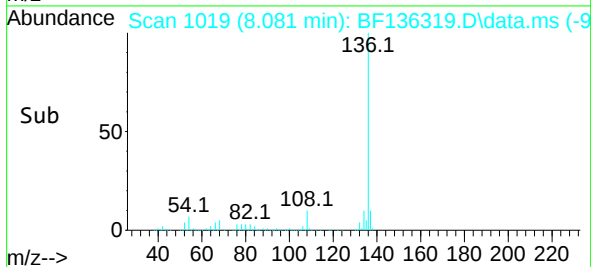
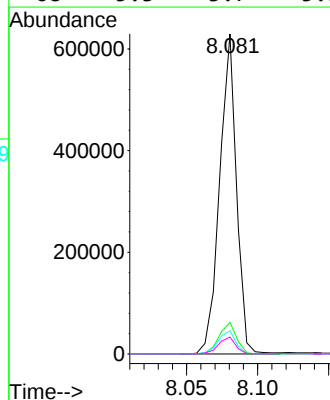
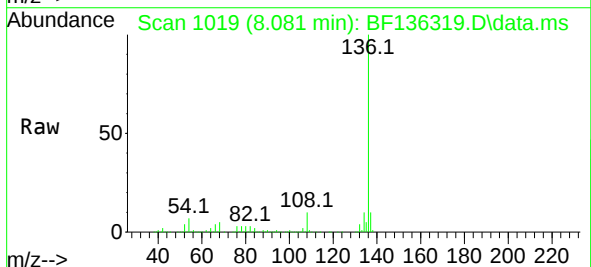
Manual Integrations
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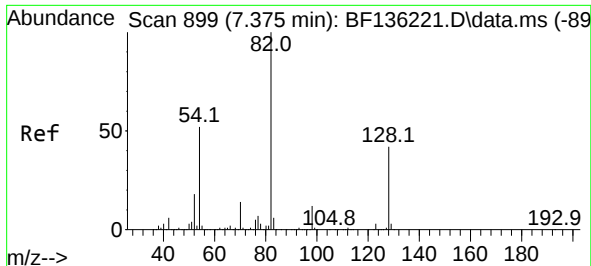
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

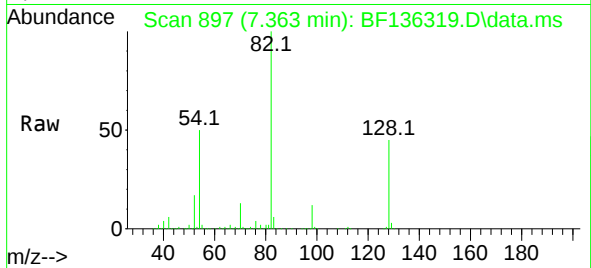
Tgt Ion:136 Resp: 517775
Ion Ratio Lower Upper
136 100
137 9.9 7.4 11.2
54 7.3 5.5 8.3
68 5.3 3.7 5.5





#23
Nitrobenzene-d5
Concen: 59.666 ng
RT: 7.363 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

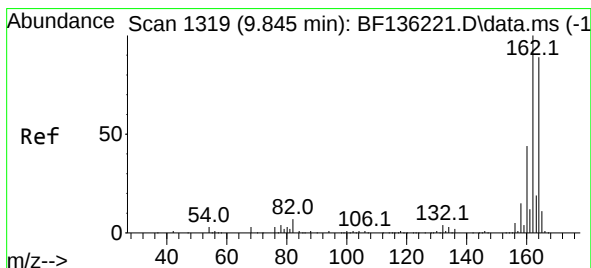
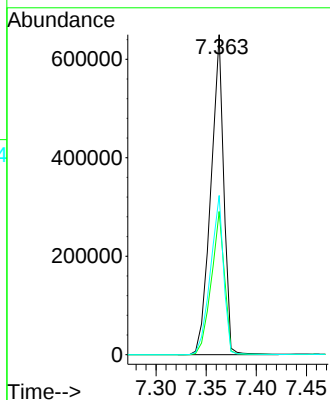
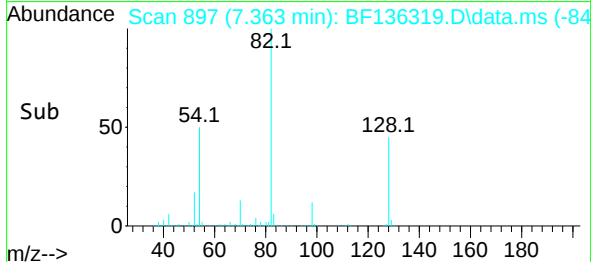
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



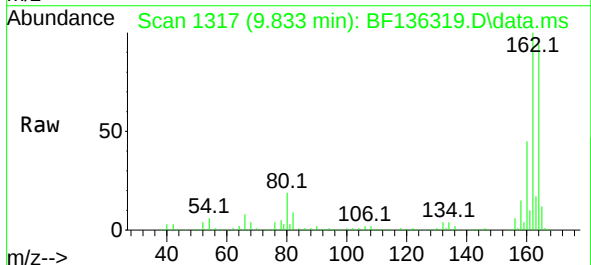
Tgt Ion: 82 Resp: 58462
Ion Ratio Lower Upper
82 100
128 44.7 33.4 50.2
54 49.8 41.7 62.5

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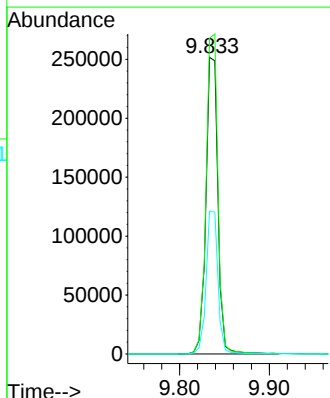
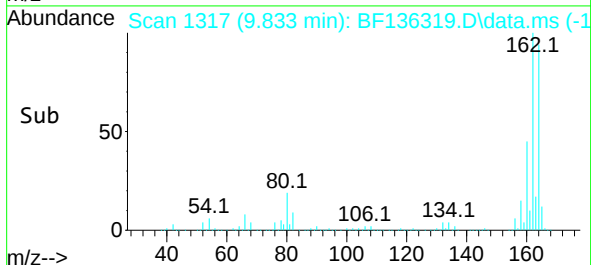
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

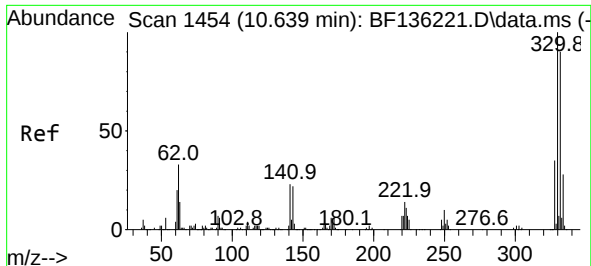


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05



Tgt Ion:164 Resp: 234068
Ion Ratio Lower Upper
164 100
162 106.5 89.5 134.3
160 48.2 39.6 59.4





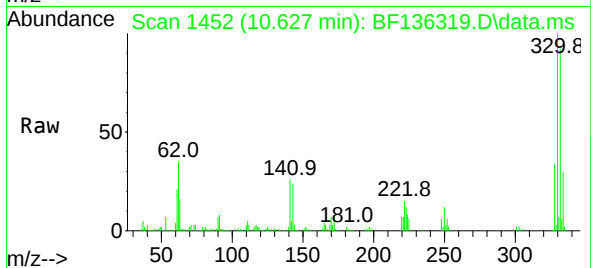
#42
2,4,6-Tribromophenol
Concen: 50.448 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP



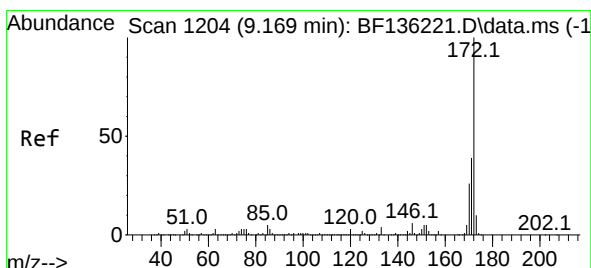
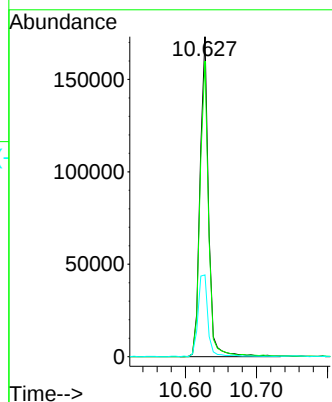
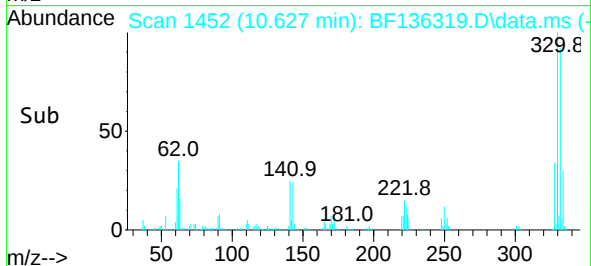
Tgt Ion:330 Resp: 14436
Ion Ratio Lower Upper
330 100
332 94.0 73.0 109.6
141 30.4 24.2 36.2

Manual Integrations

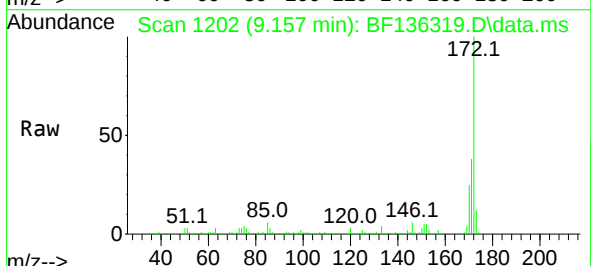
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Reviewed By :Yogesh Patel 12/01/2023

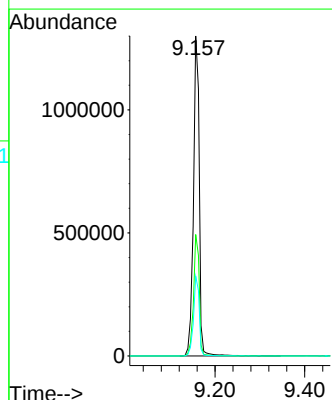
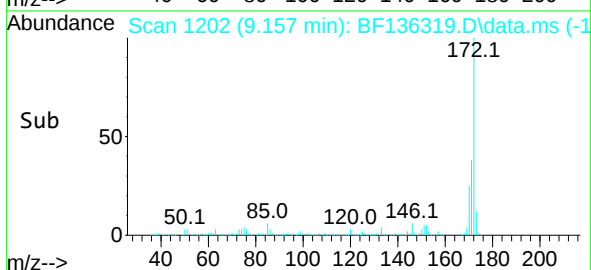
Supervised By :mohammad ahmed 12/01/2023

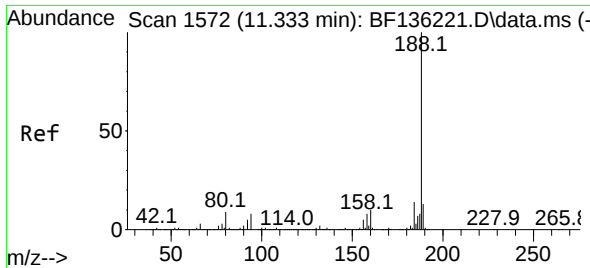


#45
2-Fluorobiphenyl
Concen: 63.911 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05



Tgt Ion:172 Resp: 1171187
Ion Ratio Lower Upper
172 100
171 38.0 31.5 47.3
170 24.9 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: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

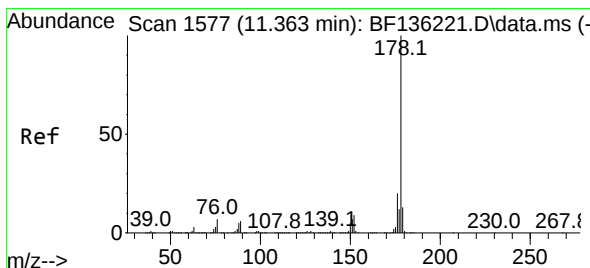
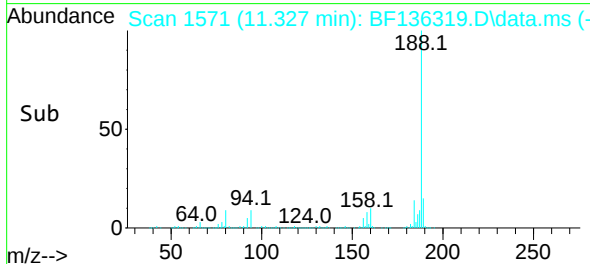
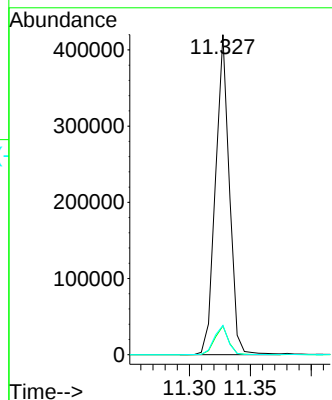
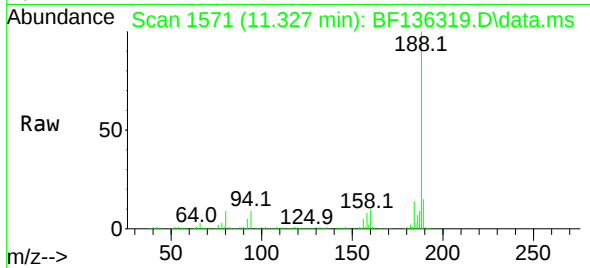
SP-1-COMP

Tgt Ion:188 Resp: 33344
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.1 7.2 10.8

Manual Integrations

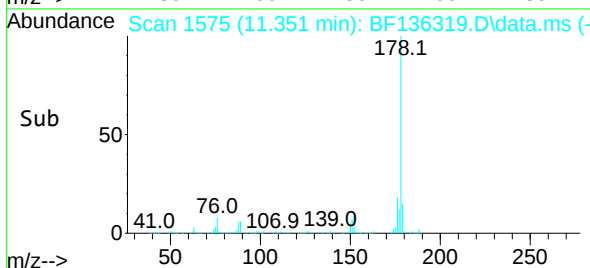
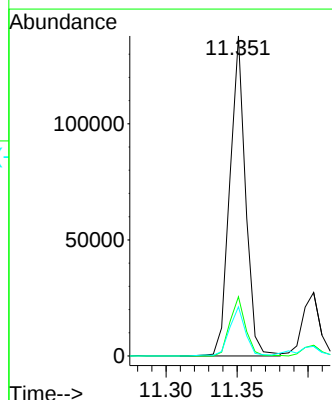
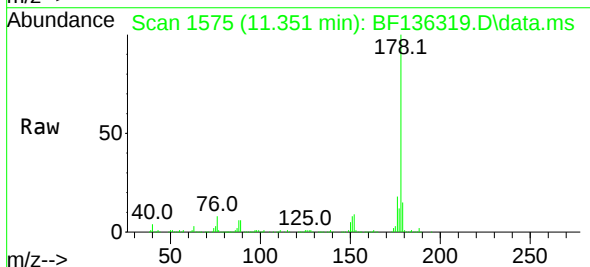
APPROVED

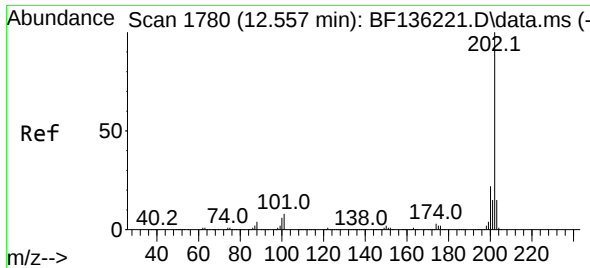
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 5.668 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

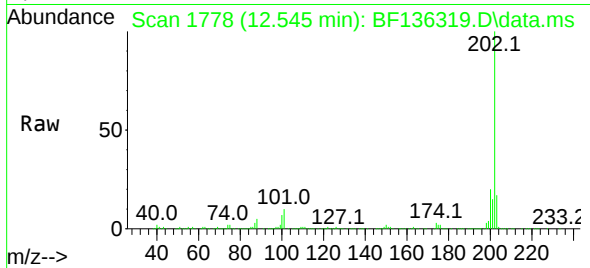
Tgt Ion:178 Resp: 106218
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.2
179 15.4 10.3 15.5





#75
Fluoranthene
Concen: 9.951 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

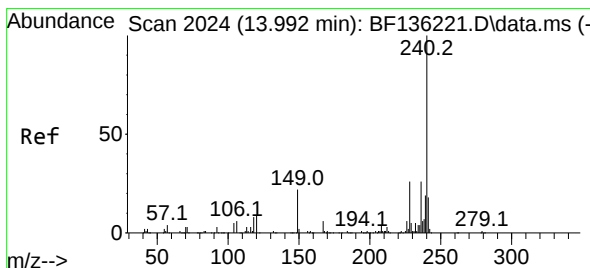
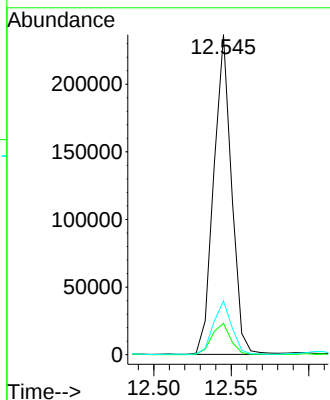
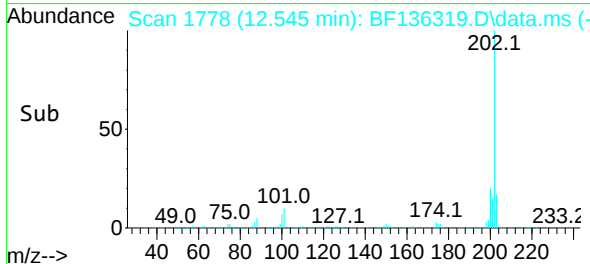
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



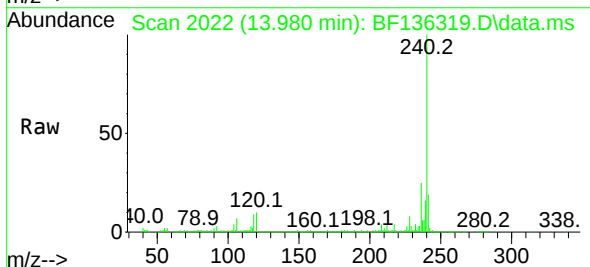
Tgt Ion:202 Resp: 189317
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.8
203 16.8 0.0 34.5

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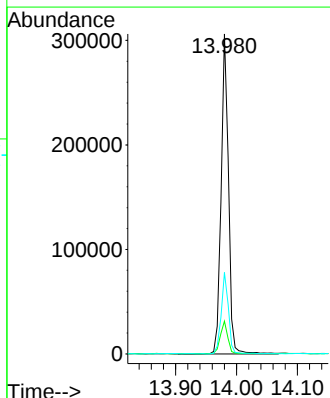
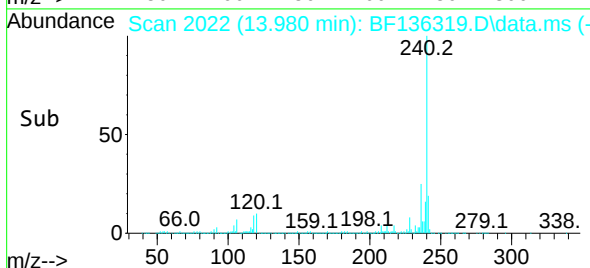
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

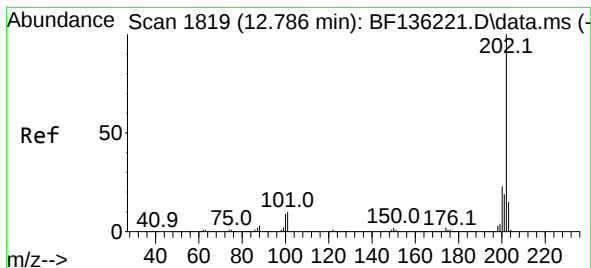


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05



Tgt Ion:240 Resp: 256252
Ion Ratio Lower Upper
240 100
120 10.3 7.4 11.2
236 25.5 21.1 31.7





#78

Pyrene

Concen: 6.119 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136319.D

Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

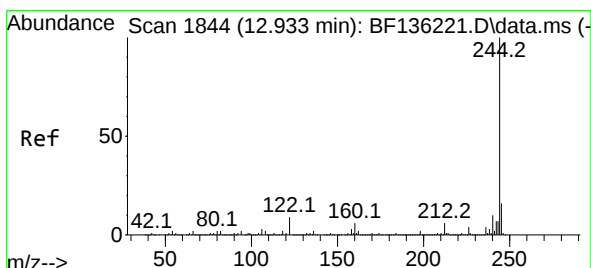
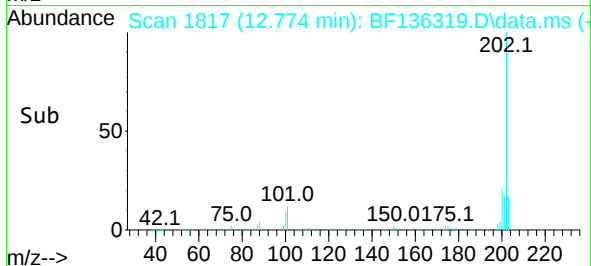
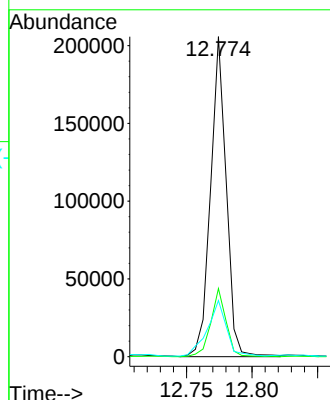
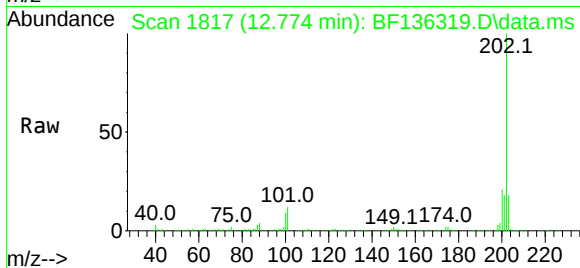
Tgt Ion:	202	Resp:	17173
Ion Ratio	Lower	Upper	
202	100		
200	21.3	18.4	27.6
203	17.5	11.8	17.6

Manual Integrations

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Supervised By :mohammad ahmed 12/01/2023



#79

Terphenyl-d14

Concen: 39.604 ng

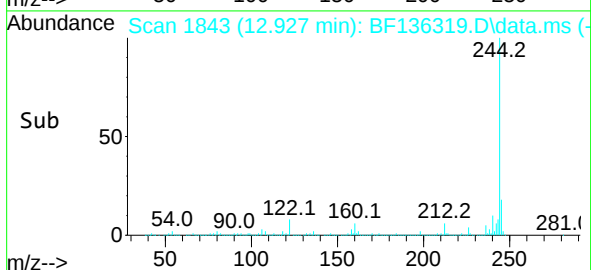
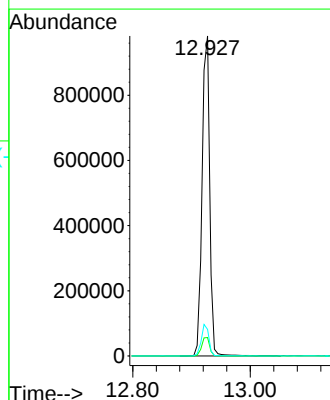
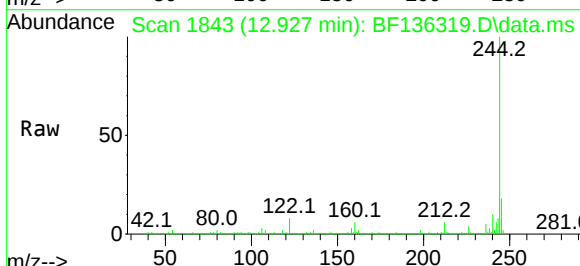
RT: 12.927 min Scan# 1843

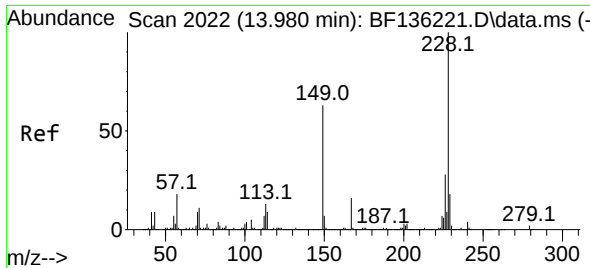
Delta R.T. -0.006 min

Lab File: BF136319.D

Acq: 30 Nov 2023 18:05

Tgt Ion:	244	Resp:	879824
Ion Ratio	Lower	Upper	
244	100		
212	5.7	4.6	7.0
122	8.3	7.3	10.9





#81
Benzo(a)anthracene
Concen: 4.817 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

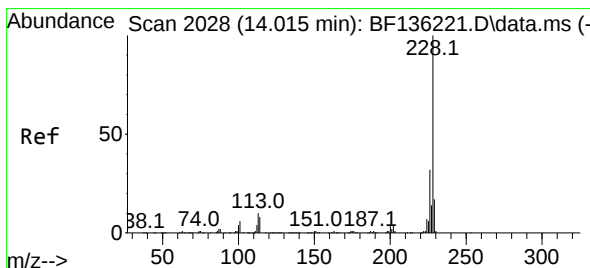
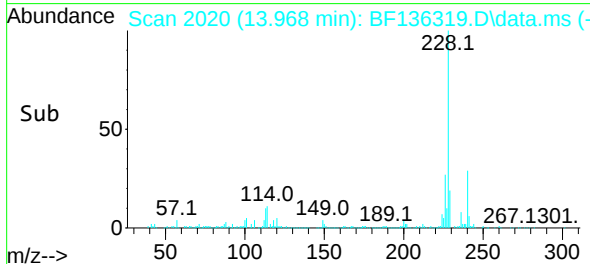
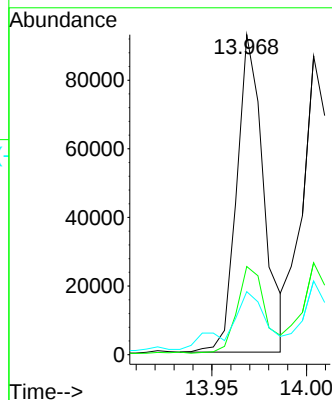
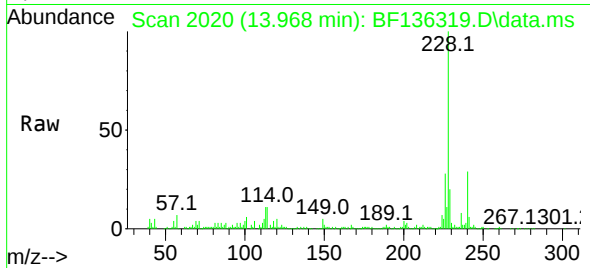
SP-1-COMP

Tgt Ion:228 Resp: 9168
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 19.7 14.0 21.0

Manual Integrations

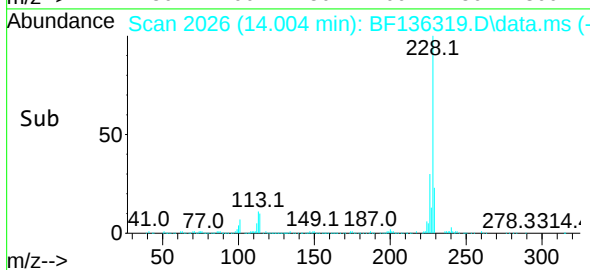
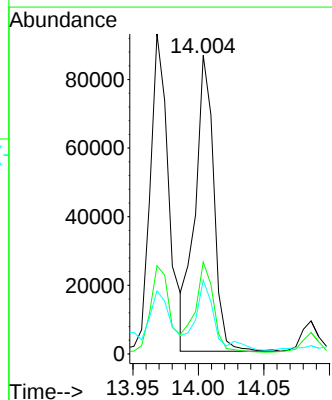
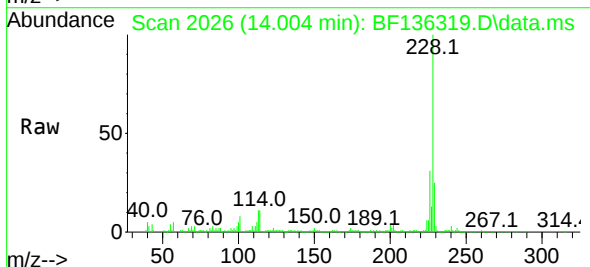
APPROVED

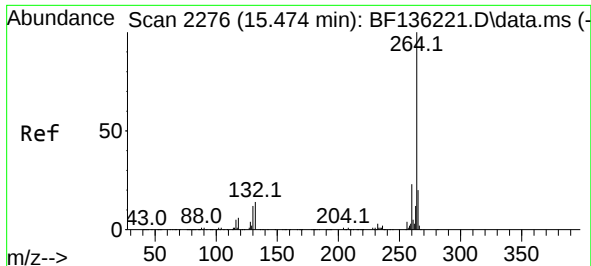
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#83
Chrysene
Concen: 4.682 ng m
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Tgt Ion:228 Resp: 86053
Ion Ratio Lower Upper
228 100
226 30.8 25.5 38.3
229 24.7 13.9 20.9#





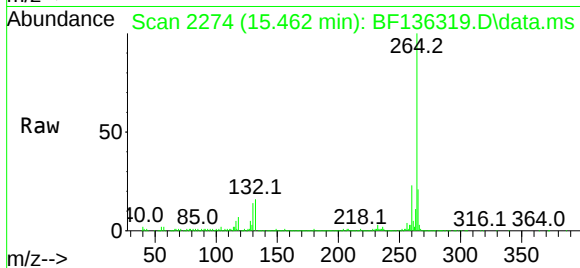
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

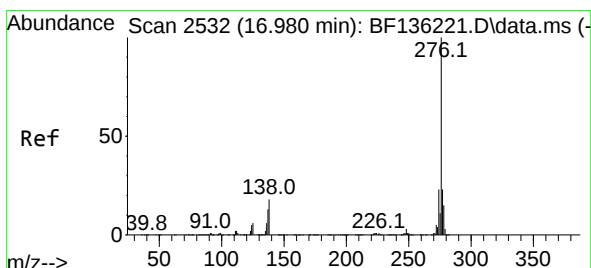
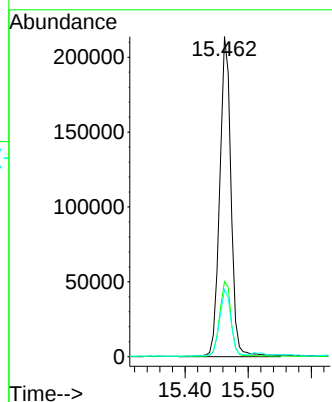
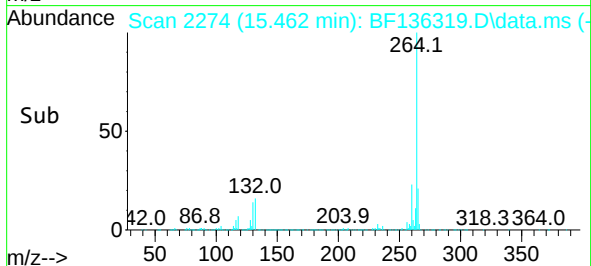


Tgt Ion:264 Resp: 267189
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 20.9 15.7 23.5

Manual Integrations

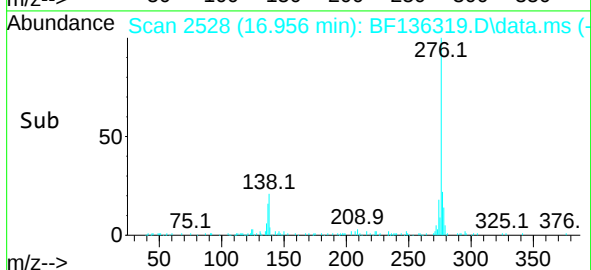
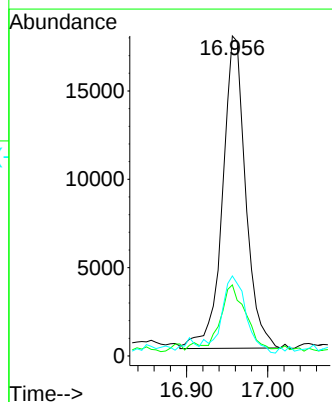
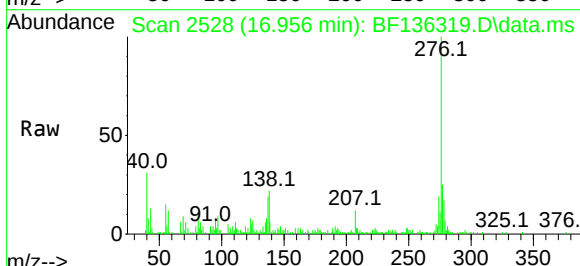
APPROVED

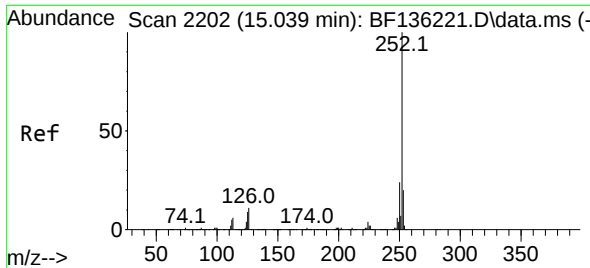
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.332 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.024 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Tgt Ion:276 Resp: 34972
Ion Ratio Lower Upper
276 100
138 23.5 17.7 26.5
277 26.5 19.6 29.4





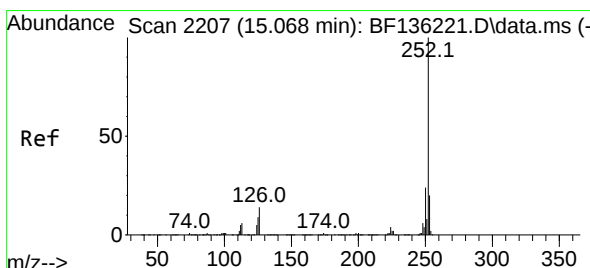
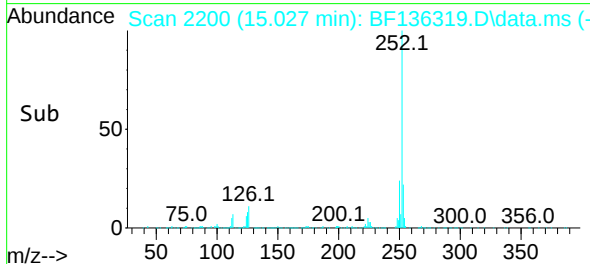
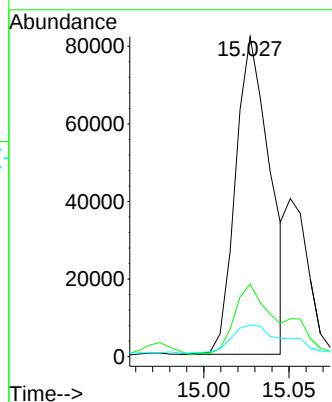
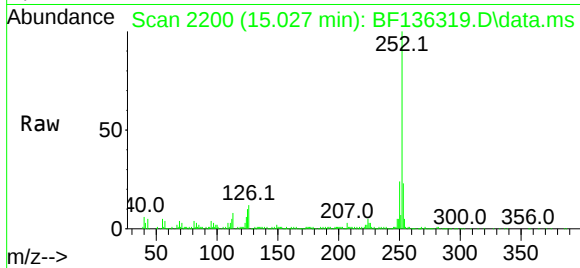
#88
Benzo(b)fluoranthene
Concen: 6.116 ng m
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

Tgt Ion:252 Resp: 11465
Ion Ratio Lower Upper
252 100
253 22.7 16.2 24.2
125 10.0 6.9 10.3

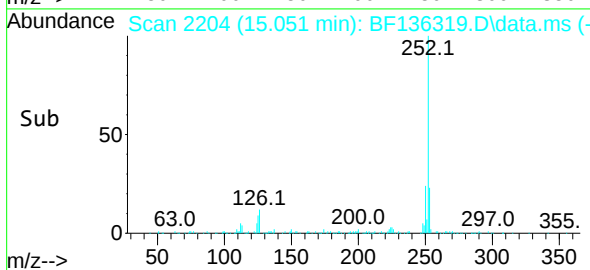
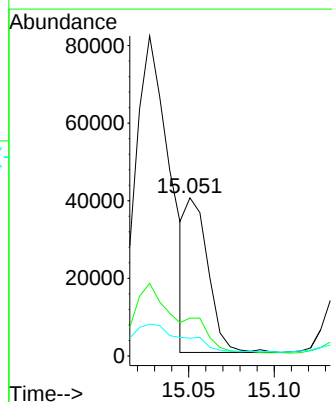
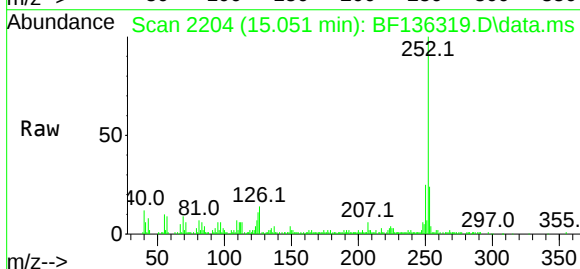
Manual Integrations
APPROVED

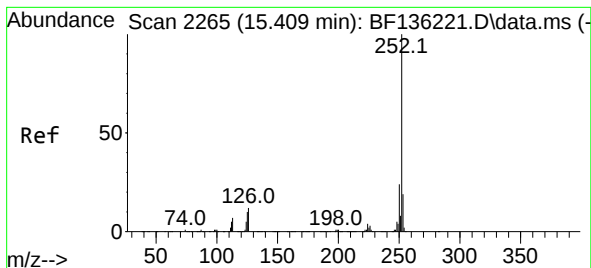
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#89
Benzo(k)fluoranthene
Concen: 2.048 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.017 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Tgt Ion:252 Resp: 36464
Ion Ratio Lower Upper
252 100
253 24.0 15.6 23.4#
125 11.3 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 4.796 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136319.D

Acq: 30 Nov 2023 18:05

Instrument :

BNA_F

ClientSampleId :

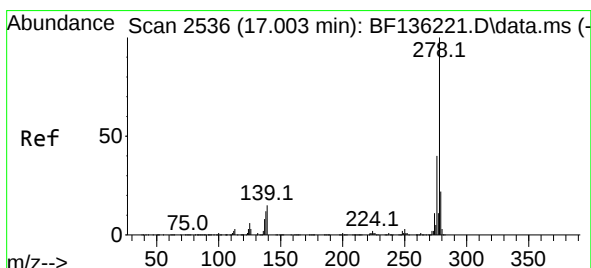
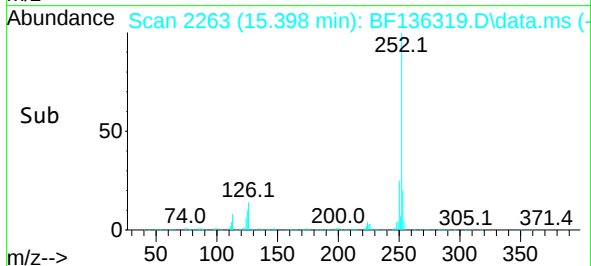
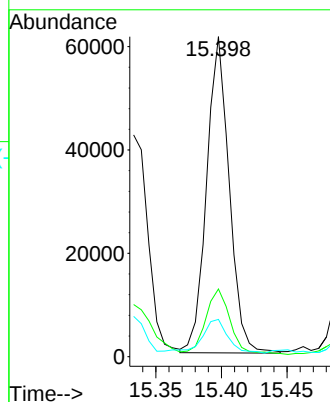
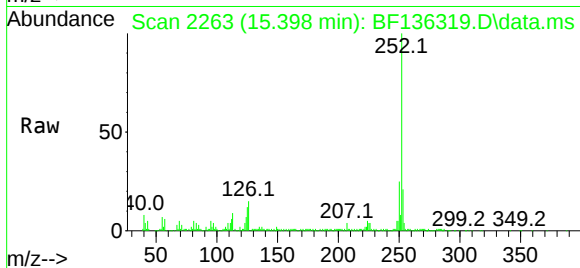
SP-1-COMP

Tgt Ion:	252	Resp:	7349
Ion Ratio	Lower	Upper	
252	100		
253	21.2	15.5	23.3
125	11.7	7.9	11.9

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 3.366 ng

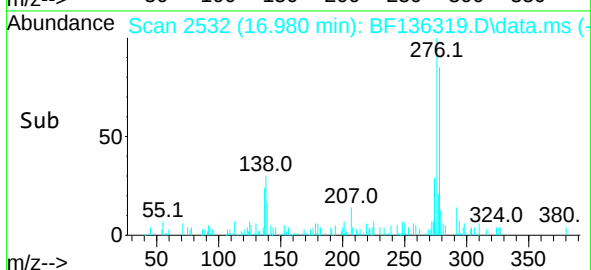
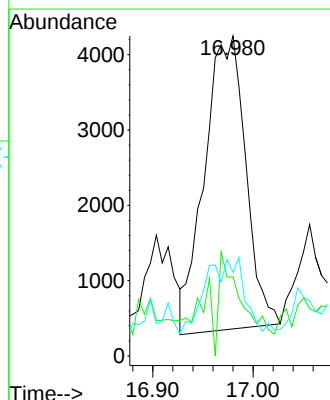
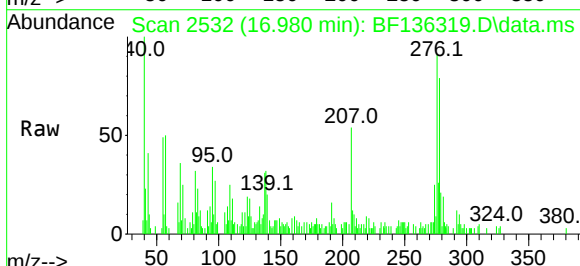
RT: 16.980 min Scan# 2532

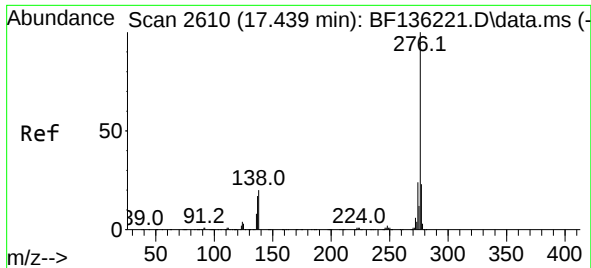
Delta R.T. -0.023 min

Lab File: BF136319.D

Acq: 30 Nov 2023 18:05

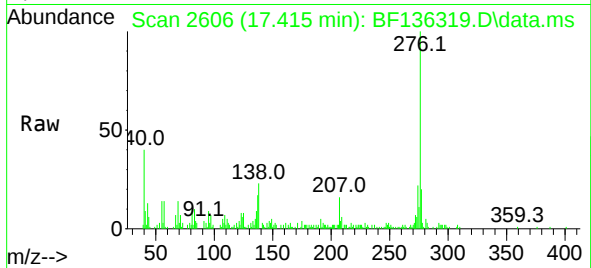
Tgt Ion:	278	Resp:	11095
Ion Ratio	Lower	Upper	
278	100		
139	24.8	11.7	17.5#
279	26.1	17.8	26.8





#92
Benzo(g,h,i)perylene
Concen: 3.771 ng
RT: 17.415 min Scan# 20
Delta R.T. -0.024 min
Lab File: BF136319.D
Acq: 30 Nov 2023 18:05

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion:276 Resp: 31318
Ion Ratio Lower Upper
276 100
277 20.4 18.6 27.8
138 22.8 15.8 23.8

Manual Integrations
APPROVED

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

