

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136949.D
 Acq On : 04 Jan 2024 19:44
 Operator : CG\JU
 Sample : 06017-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB32-2-20231222-7.5-8.5-A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 05 00:42:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	49540	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	184048	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	92300	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	173021	20.000	ng	0.00
76) Chrysene-d12	13.963	240	113002	20.000	ng	0.00
86) Perylene-d12	15.451	264	128142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	300761	94.726	ng	0.00
7) Phenol-d6	6.434	99	366370	89.052	ng	0.00
23) Nitrobenzene-d5	7.345	82	216438	60.176	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	94013	86.485	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	417312	60.810	ng	-0.02
79) Terphenyl-d14	12.904	244	389530	48.172	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.210	107	19367	5.386	ng	# 49
31) Naphthalene	8.081	128	121108	11.978	ng	99
37) 2-Methylnaphthalene	8.769	142	116386	17.886	ng	100
38) 1-Methylnaphthalene	8.869	142	51773	8.110	ng	100
71) Phenanthrene	11.333	178	51289	5.777	ng	98
75) Fluoranthene	12.527	202	54242	5.712	ng	96
78) Pyrene	12.757	202	47413	4.274	ng	98
81) Benzo(a)anthracene	13.957	228	24490	3.121	ng	96
83) Chrysene	13.992	228	26128	3.405	ng	95
88) Benzo(b)fluoranthene	15.015	252	23318m	2.724	ng	
90) Benzo(a)pyrene	15.386	252	15471	2.141	ng	# 91

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

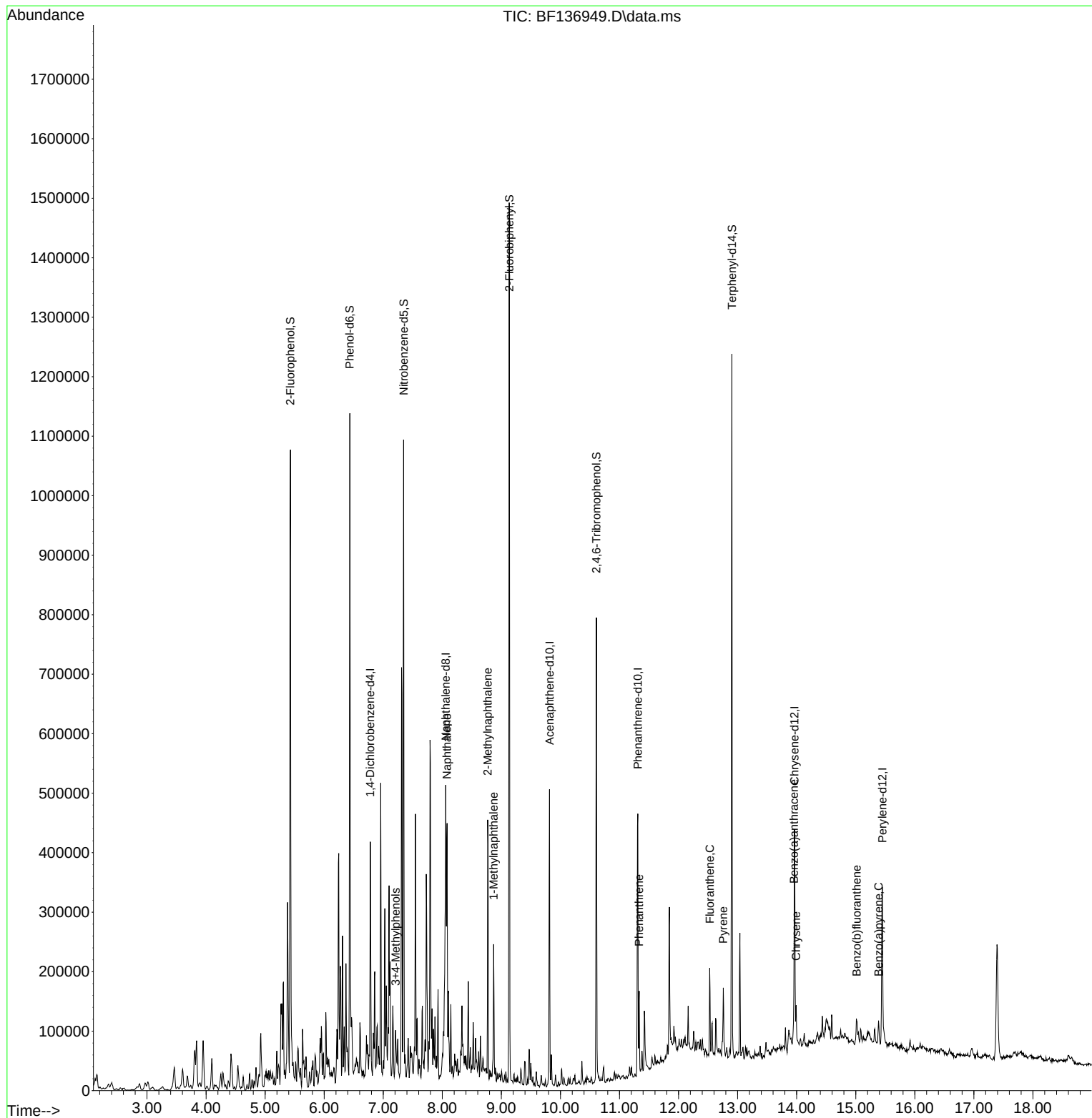
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136949.D
Acq On : 04 Jan 2024 19:44
Operator : CG\JU
Sample : 06017-05
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ALS Vial : 7 Sample Multiplier: 1

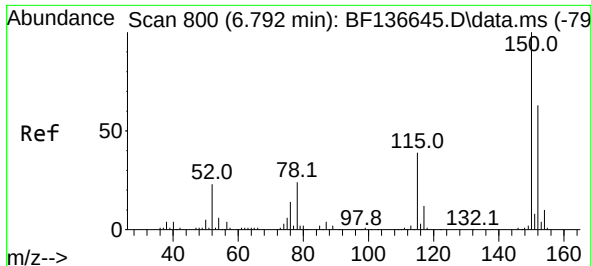
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SB32-2-20231222-7.5-8.5-A

Quant Time: Jan 05 00:42:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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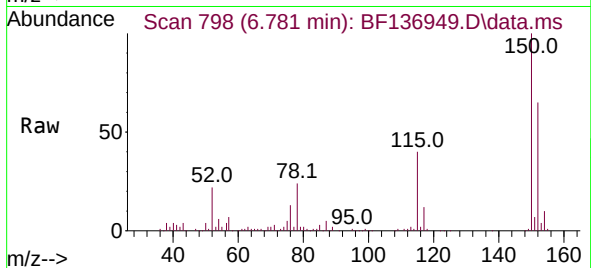
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

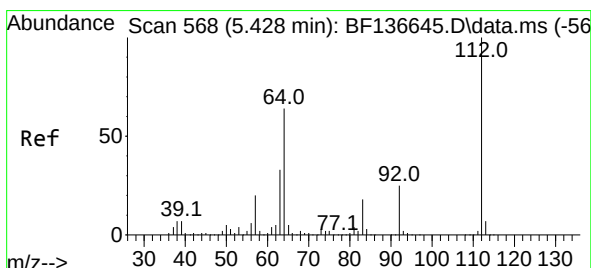
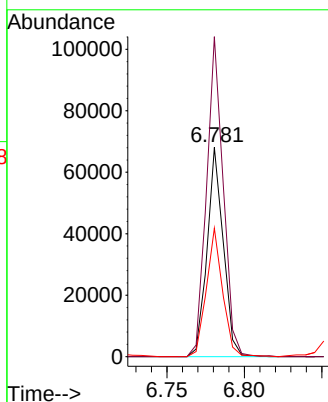
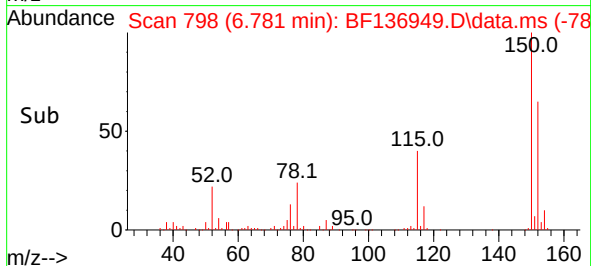
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A



Tgt Ion:152 Resp: 49540
Ion Ratio Lower Upper
152 100
150 152.8 127.0 190.6
115 61.4 49.0 73.4

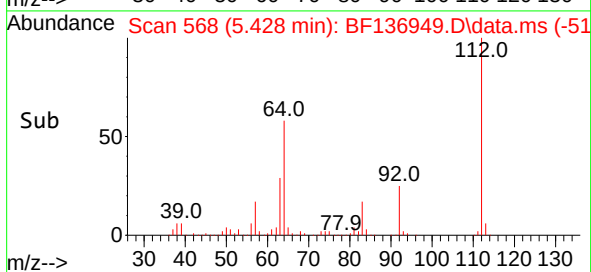
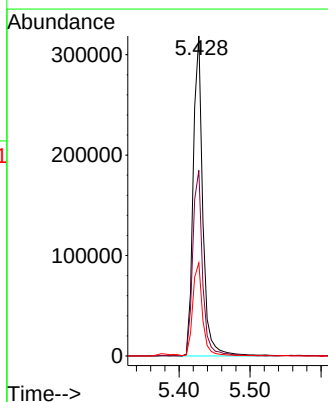
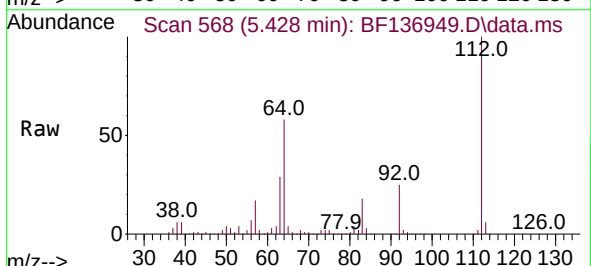
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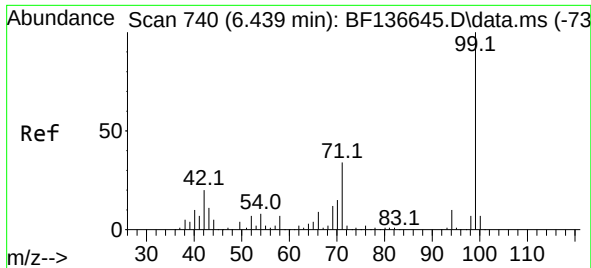
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#5
2-Fluorophenol
Concen: 94.726 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

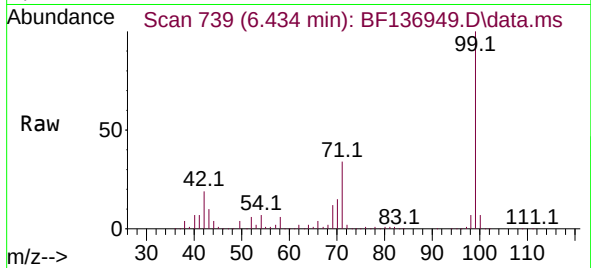
Tgt Ion:112 Resp: 300761
Ion Ratio Lower Upper
112 100
64 58.0 51.1 76.7
63 29.1 26.1 39.1





#7
Phenol-d6
Concen: 89.052 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

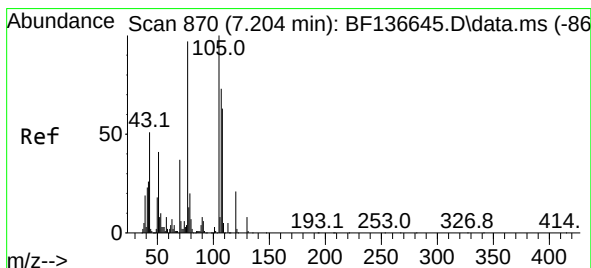
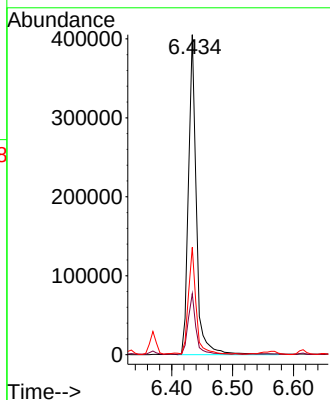
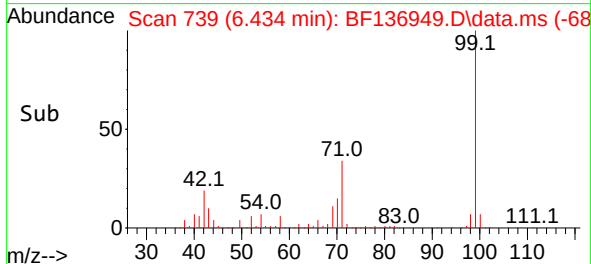
Instrument :
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SB32-2-20231222-7.5-8.5-A



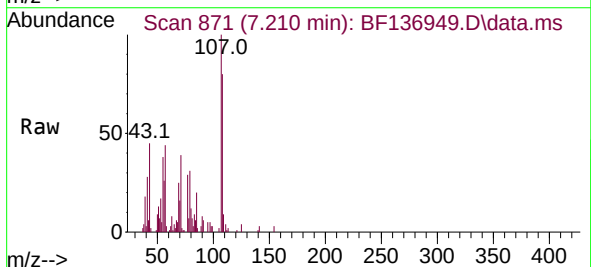
Tgt Ion: 99 Resp: 366370
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.6 27.4 41.2

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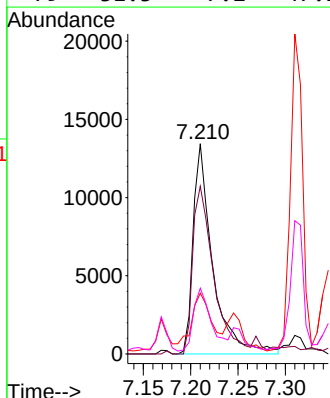
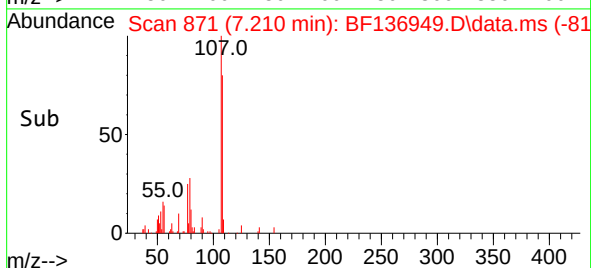
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

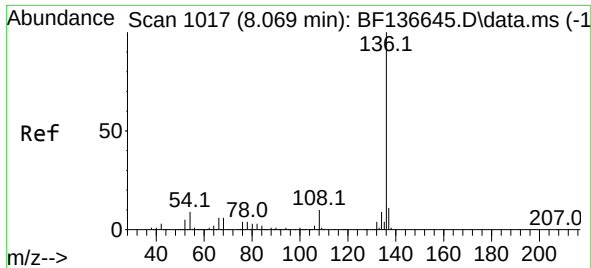


#20
3+4-Methylphenols
Concen: 5.386 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44



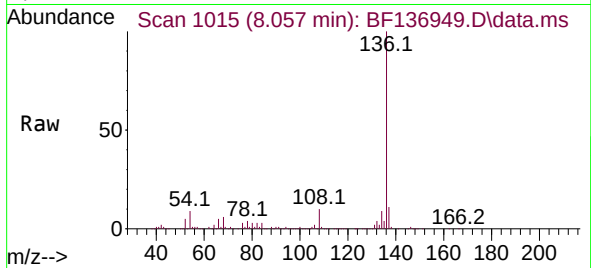
Tgt Ion:107 Resp: 19367
Ion Ratio Lower Upper
107 100
108 79.8 66.0 106.0
77 28.9 114.2 154.2#
79 31.3 7.2 47.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

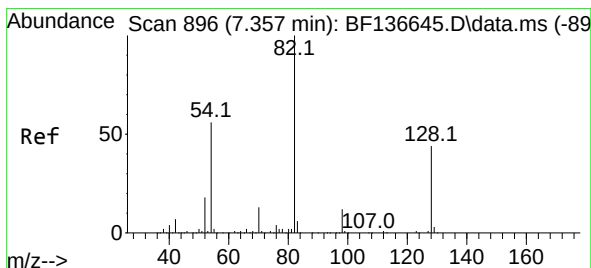
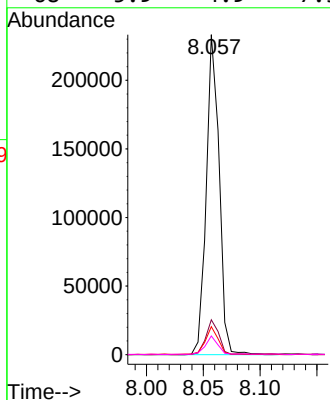
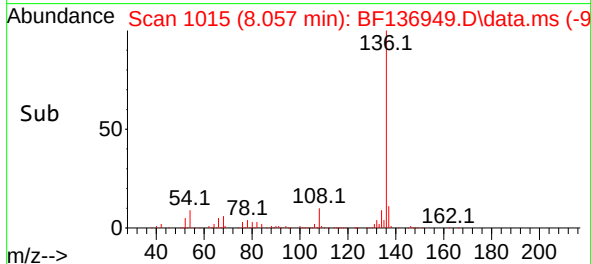
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A



Tgt Ion:136 Resp: 184048
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.7 7.2 10.8
68 5.9 4.9 7.3

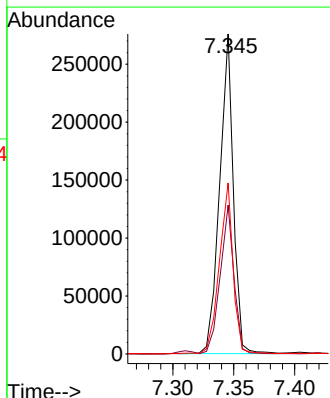
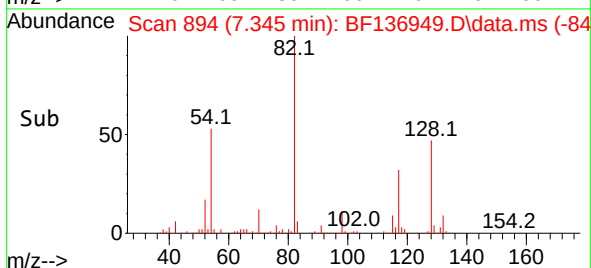
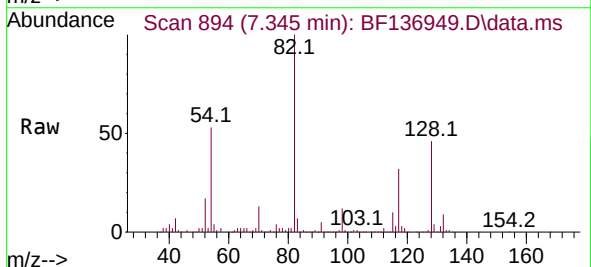
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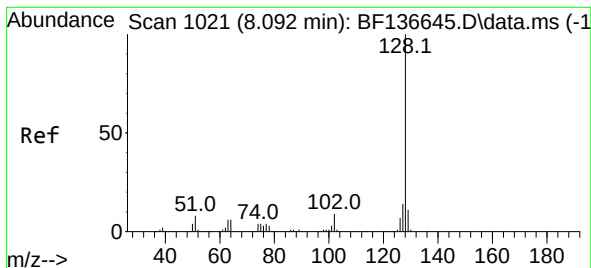
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#23
Nitrobenzene-d5
Concen: 60.176 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion: 82 Resp: 216438
Ion Ratio Lower Upper
82 100
128 46.5 35.3 52.9
54 53.5 44.5 66.7





#31

Naphthalene

Concen: 11.978 ng

RT: 8.081 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A

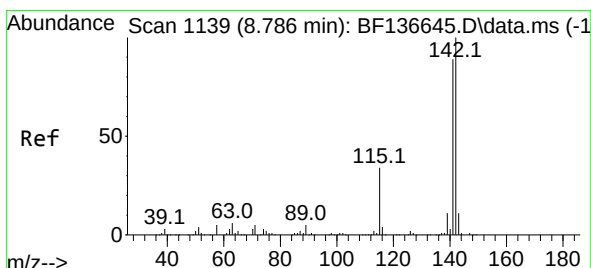
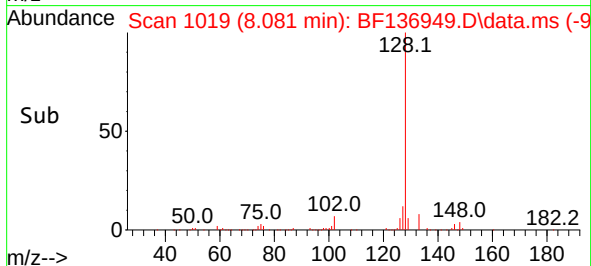
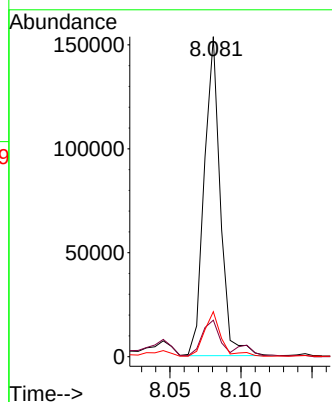
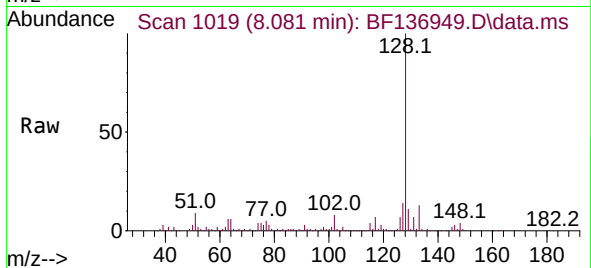
Tgt Ion:128 Resp: 121108
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.7 13.1
 127 14.0 10.8 16.2

Manual Integrations

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Supervised By :mohammad ahmed 01/05/2024



#37

2-Methylnaphthalene

Concen: 17.886 ng

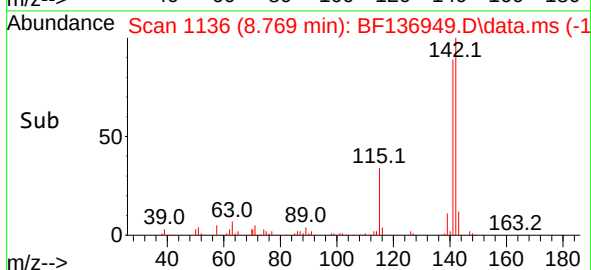
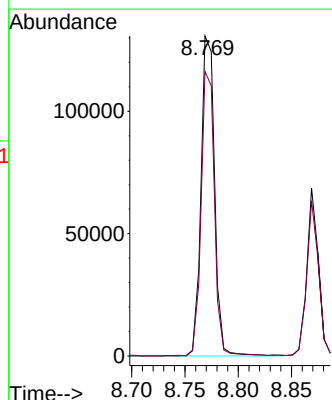
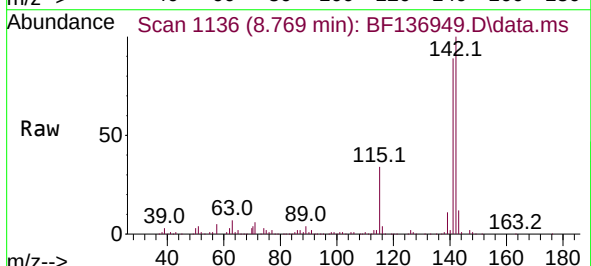
RT: 8.769 min Scan# 1136

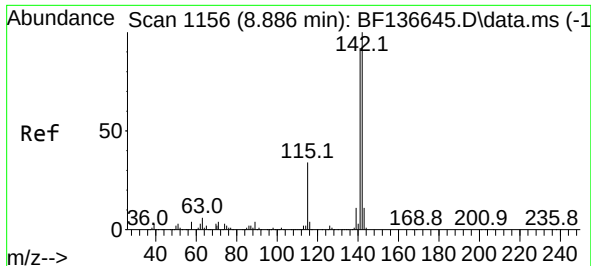
Delta R.T. -0.018 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Tgt Ion:142 Resp: 116386
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.1 106.7





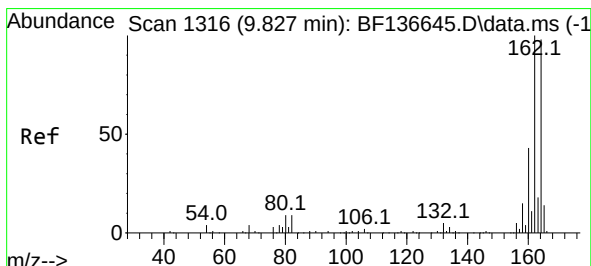
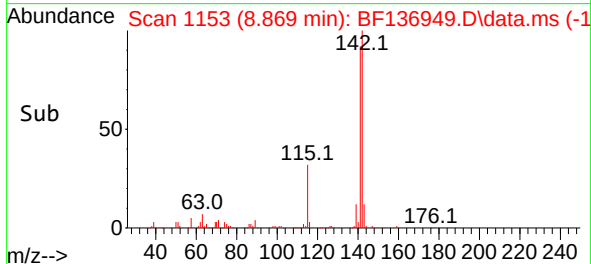
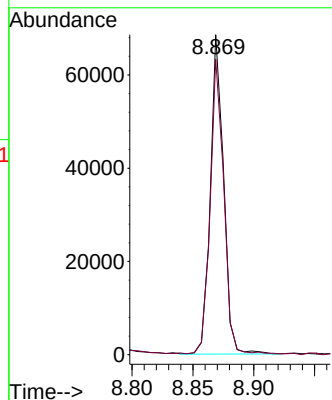
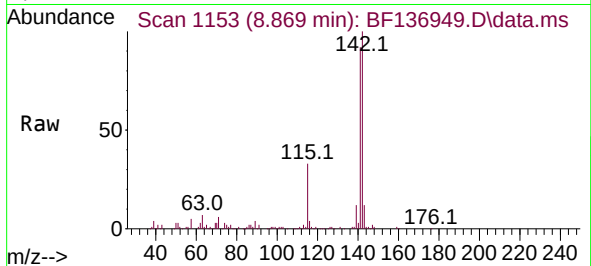
#38
1-Methylnaphthalene
Concen: 8.110 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.018 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

Tgt Ion:142 Resp: 5177
Ion Ratio Lower Upper
142 100
141 92.4 73.6 110.4

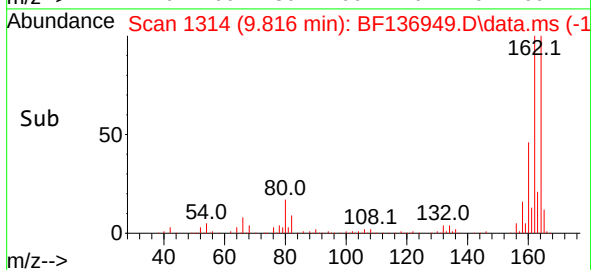
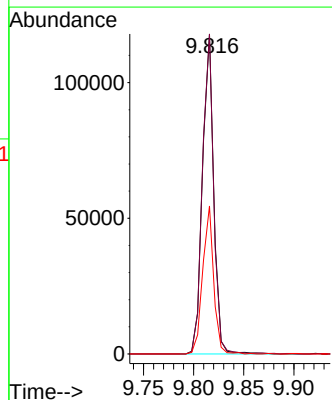
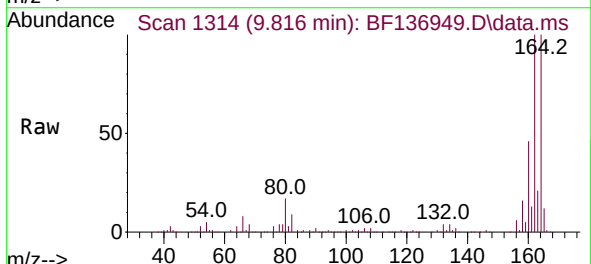
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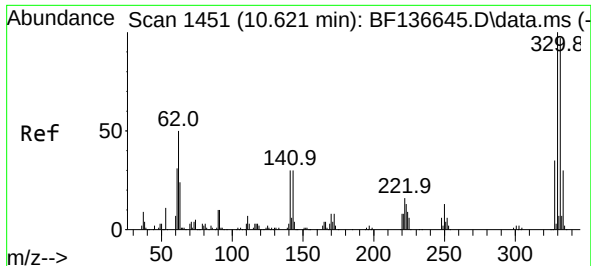
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

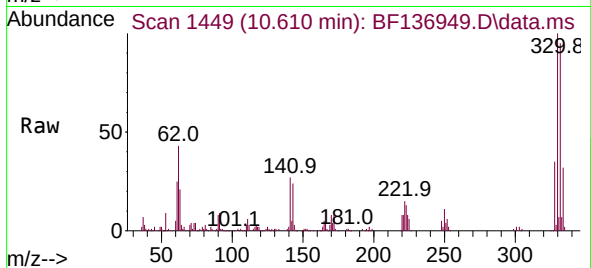
Tgt Ion:164 Resp: 92300
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 46.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 86.485 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

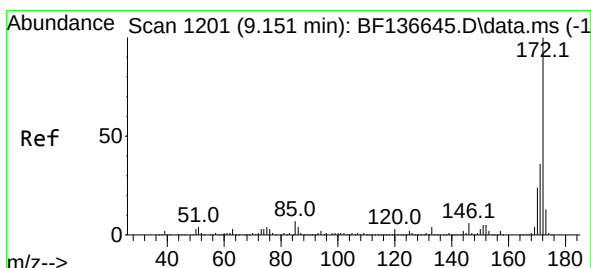
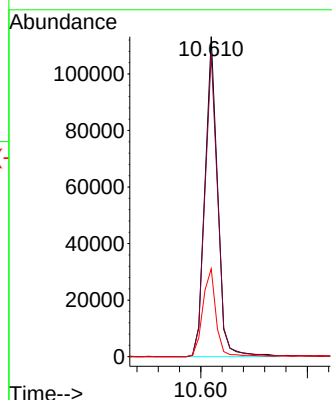
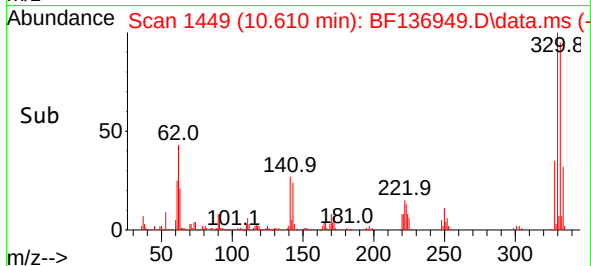
Instrument :
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SB32-2-20231222-7.5-8.5-A



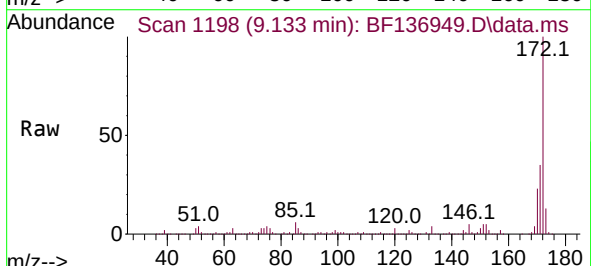
Tgt Ion:330 Resp: 94011
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 28.8 23.4 35.2

Manual Integrations
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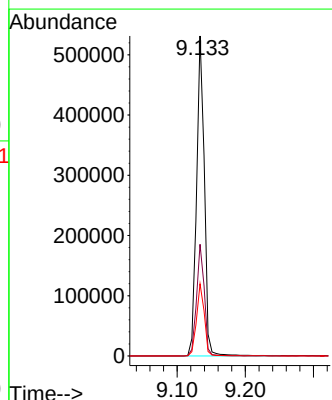
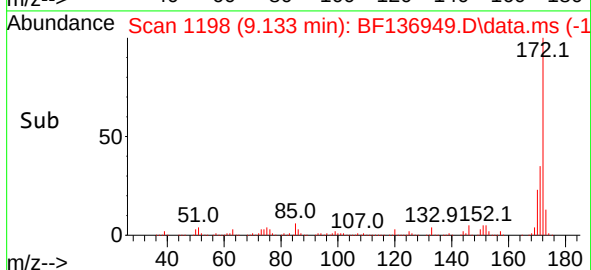
Reviewed By :Yogesh Patel 01/05/2024
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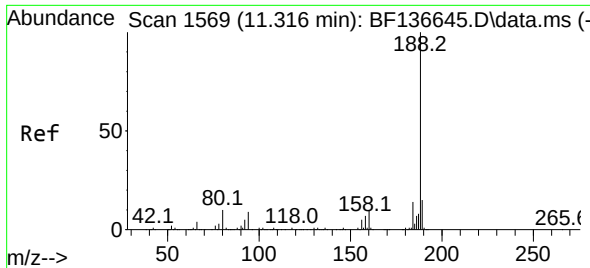


#45
2-Fluorobiphenyl
Concen: 60.810 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44



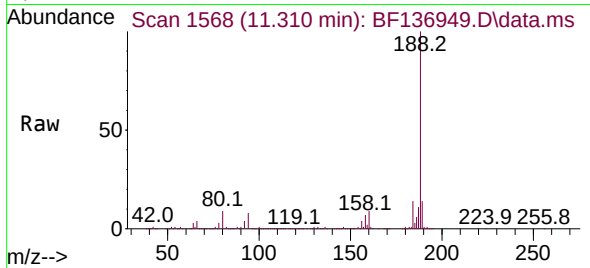
Tgt Ion:172 Resp: 417312
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 22.6 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

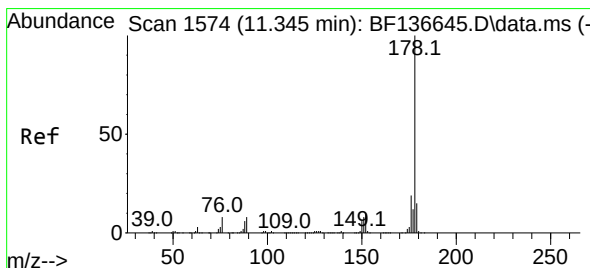
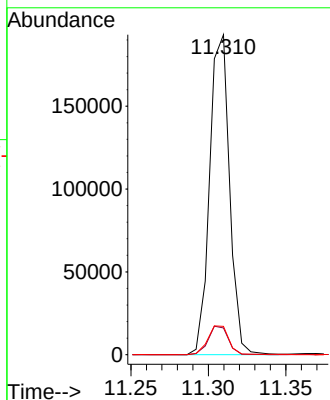
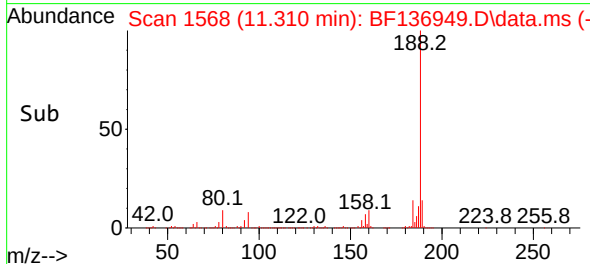
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A



Tgt Ion:188 Resp: 17302
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.9 8.1 12.1

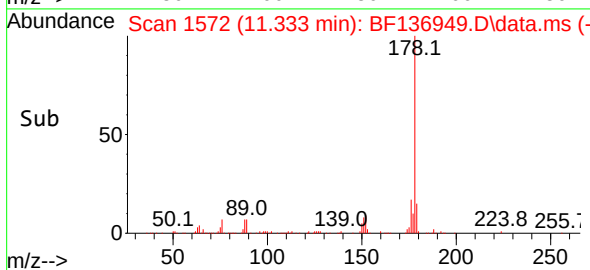
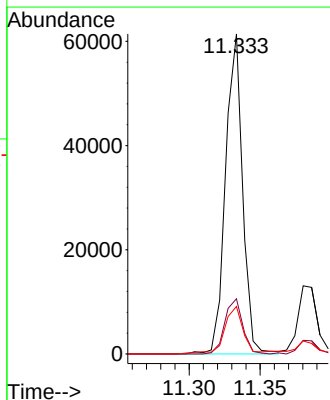
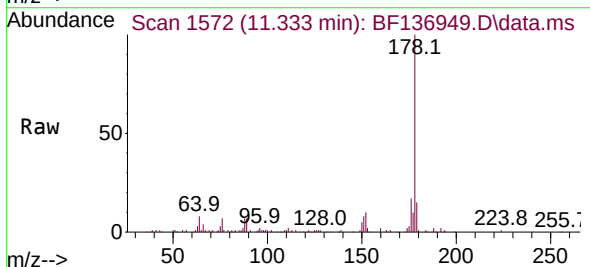
Manual Integrations
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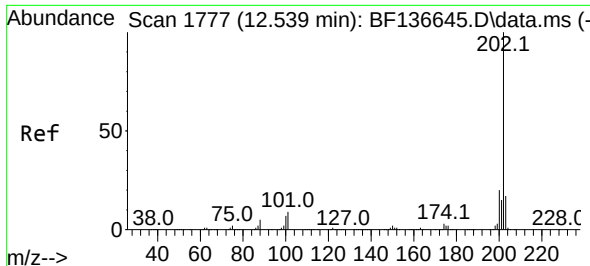
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#71
Phenanthrene
Concen: 5.777 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

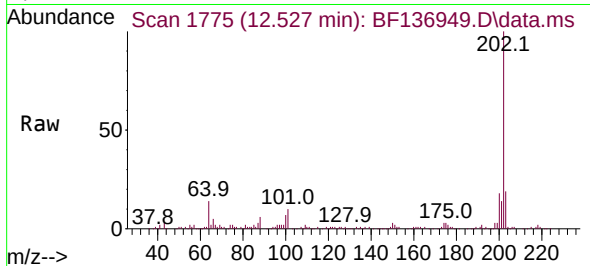
Tgt Ion:178 Resp: 51289
Ion Ratio Lower Upper
178 100
176 17.2 15.3 22.9
179 14.9 11.9 17.9





#75
Fluoranthene
Concen: 5.712 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

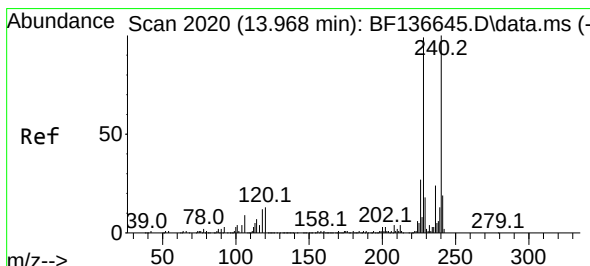
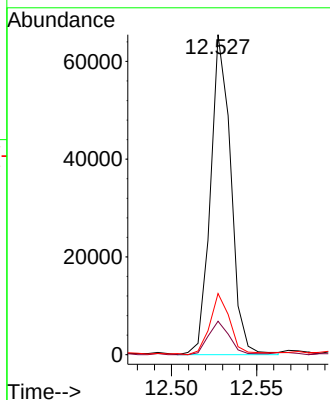
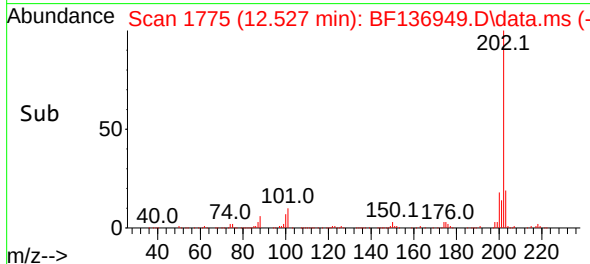
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A



Tgt Ion:202 Resp: 5424
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.3
203 19.1 0.0 37.1

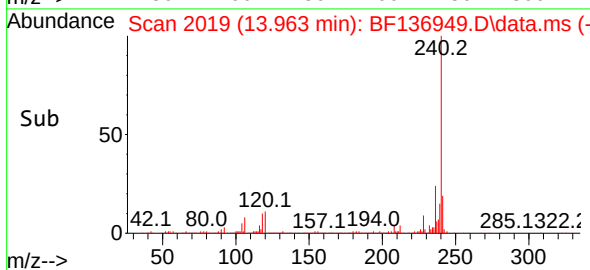
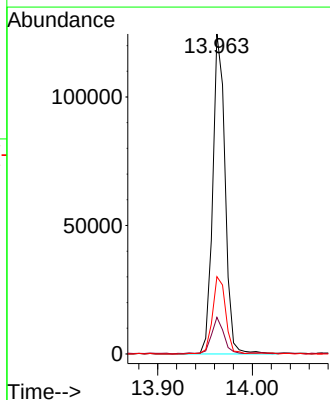
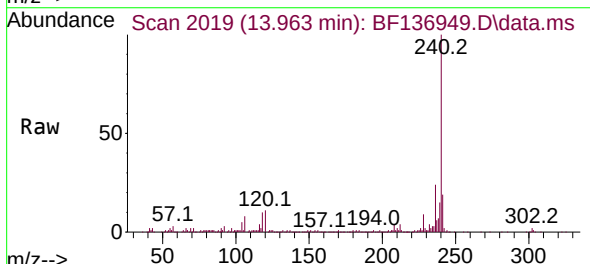
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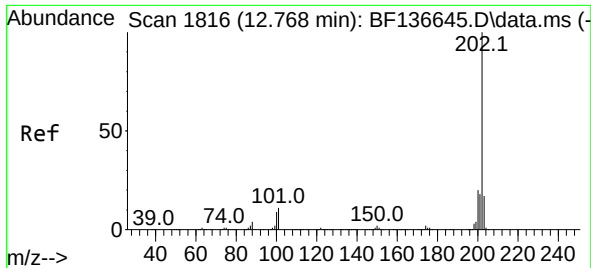
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

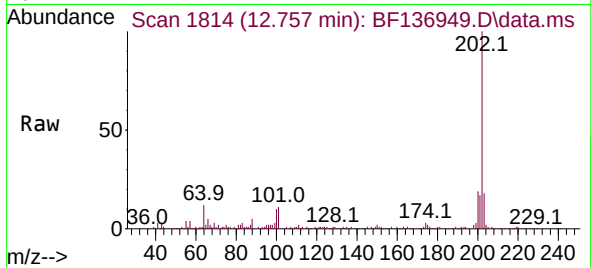
Tgt Ion:240 Resp: 113002
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 24.2 19.4 29.2





#78
Pyrene
Concen: 4.274 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

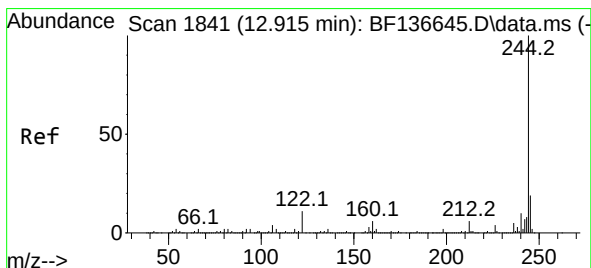
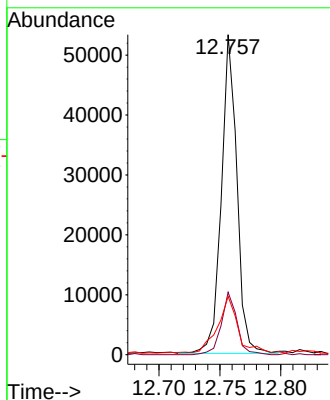
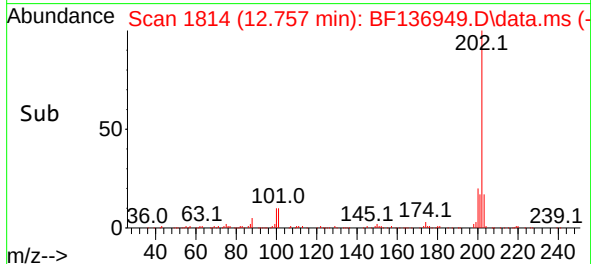
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A



Tgt Ion:202 Resp: 4741
Ion Ratio Lower Upper
202 100
200 19.5 15.9 23.9
203 18.2 13.8 20.6

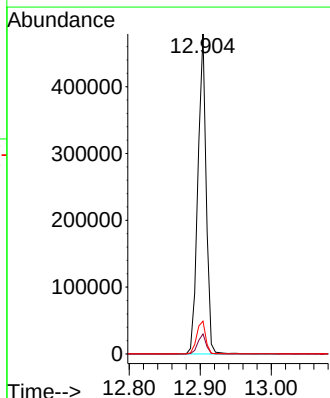
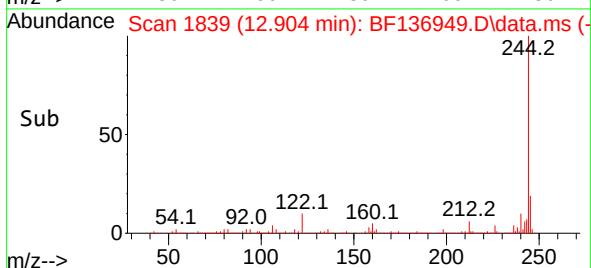
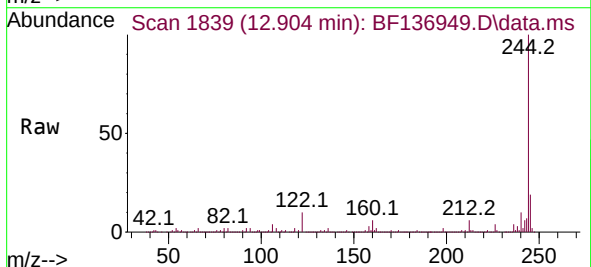
Manual Integrations
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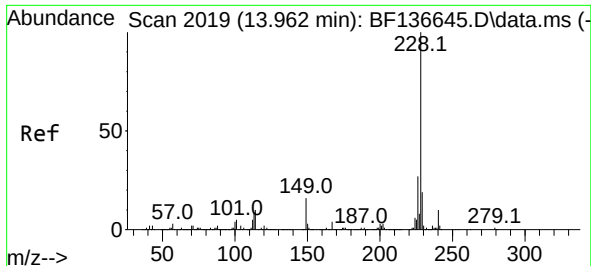
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#79
Terphenyl-d14
Concen: 48.172 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:244 Resp: 389530
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 10.3 9.0 13.4





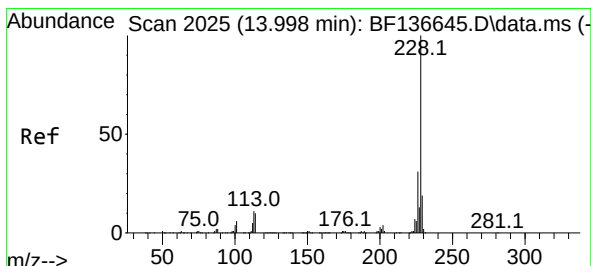
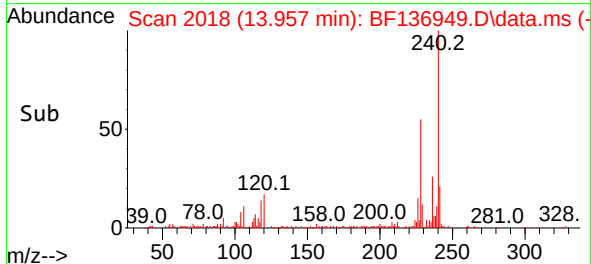
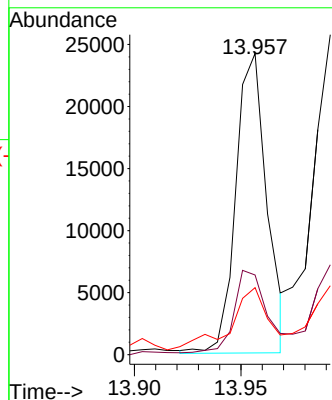
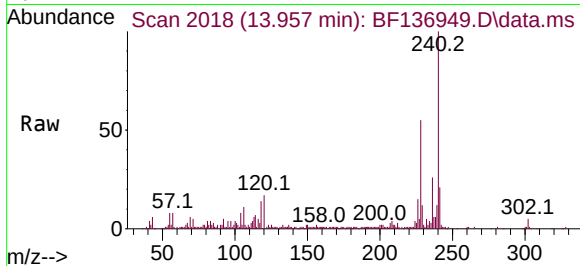
#81
Benzo(a)anthracene
Concen: 3.121 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

Tgt Ion:228 Resp: 24490
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.0
229 22.3 14.9 22.3

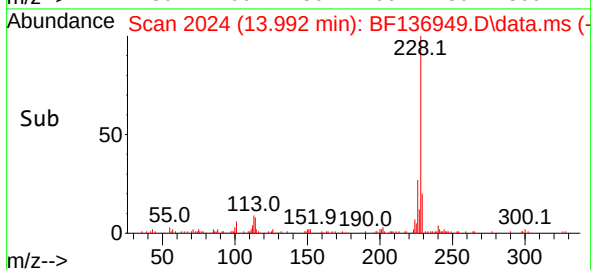
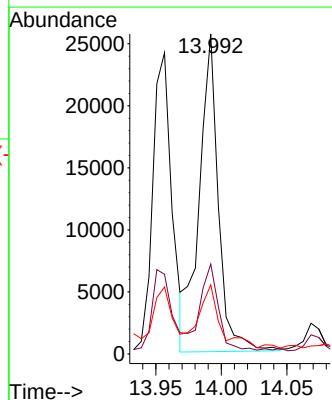
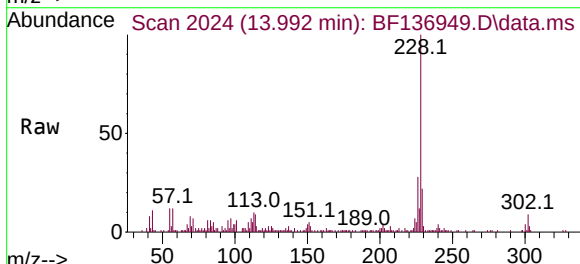
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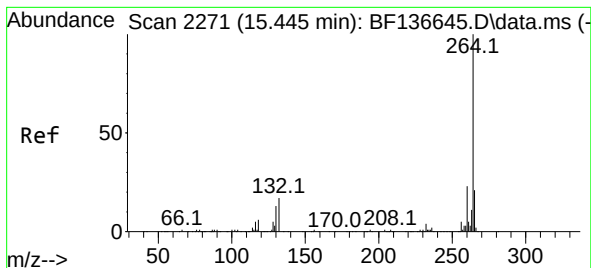
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#83
Chrysene
Concen: 3.405 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:228 Resp: 26128
Ion Ratio Lower Upper
228 100
226 28.1 24.7 37.1
229 21.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A

Tgt Ion:264 Resp: 12814

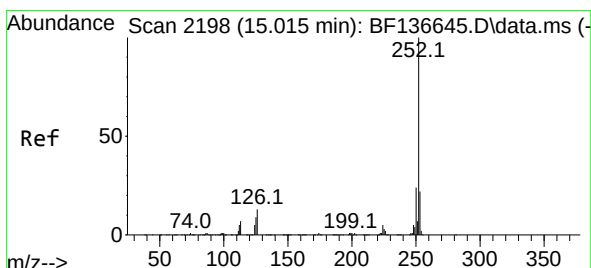
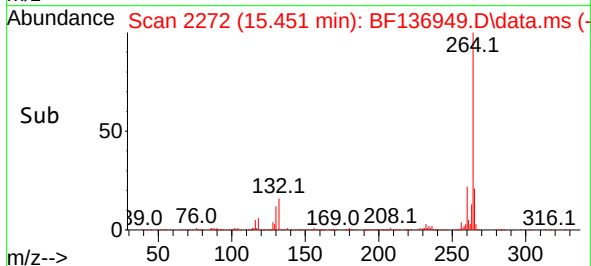
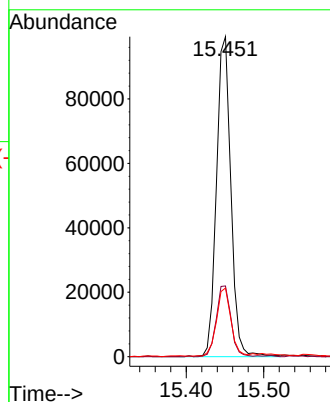
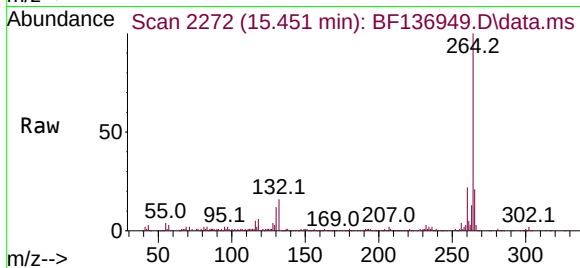
Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.3	27.5
265	21.5	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#88

Benzo(b)fluoranthene

Concen: 2.724 ng m

RT: 15.015 min Scan# 2198

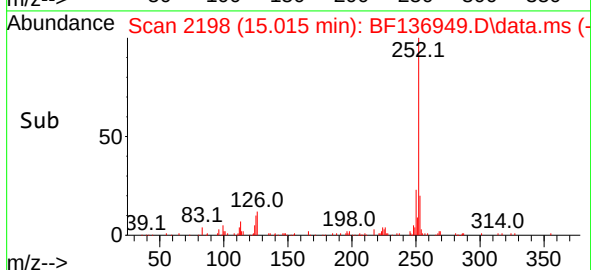
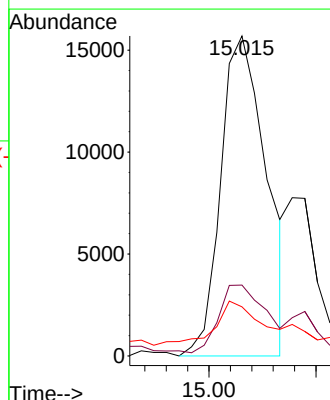
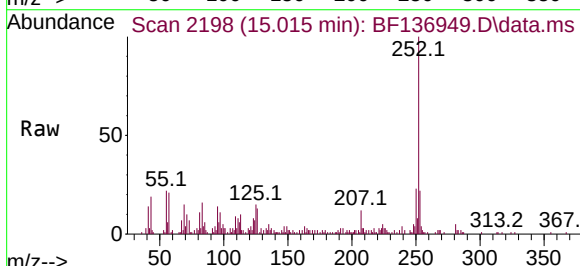
Delta R.T. 0.000 min

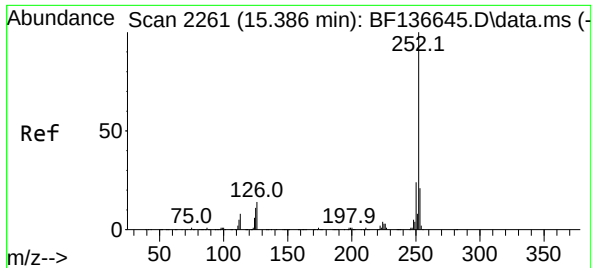
Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Tgt Ion:252 Resp: 23318

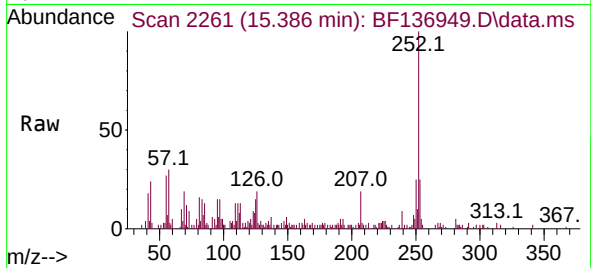
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	15.3	7.4	11.2





#90
Benzo(a)pyrene
Concen: 2.141 ng
RT: 15.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A



Tgt Ion:	252	Resp:	1547
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.0	25.6
125	14.8	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

