

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136952.D
 Acq On : 04 Jan 2024 21:17
 Operator : CG\JU
 Sample : 06045-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-300-2.0-2.5

Manual Integrations
 APPROVED

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

Quant Time: Jan 05 00:43:52 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	45018	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	166377	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	83372	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	155281	20.000	ng	0.00
76) Chrysene-d12	13.963	240	108453	20.000	ng	0.00
86) Perylene-d12	15.451	264	124527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	194102	67.274	ng	0.00
7) Phenol-d6	6.428	99	243906	65.240	ng	-0.01
23) Nitrobenzene-d5	7.340	82	146531	45.067	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	65863	67.078	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	301793	48.686	ng	-0.02
79) Terphenyl-d14	12.904	244	320620	41.313	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	132659	16.650	ng	98
72) Anthracene	11.386	178	19849	2.460	ng	96
75) Fluoranthene	12.527	202	217625	25.535	ng	98
78) Pyrene	12.757	202	191279	17.966	ng	100
81) Benzo(a)anthracene	13.957	228	87089	11.564	ng	98
83) Chrysene	13.992	228	86357	11.726	ng	98
87) Indeno(1,2,3-cd)pyrene	16.957	276	43113	4.795	ng	96
88) Benzo(b)fluoranthene	15.016	252	105575m	12.693	ng	
89) Benzo(k)fluoranthene	15.039	252	31766m	4.042	ng	
90) Benzo(a)pyrene	15.386	252	69996	9.970	ng	99
92) Benzo(g,h,i)perylene	17.415	276	40402	5.348	ng	# 93

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

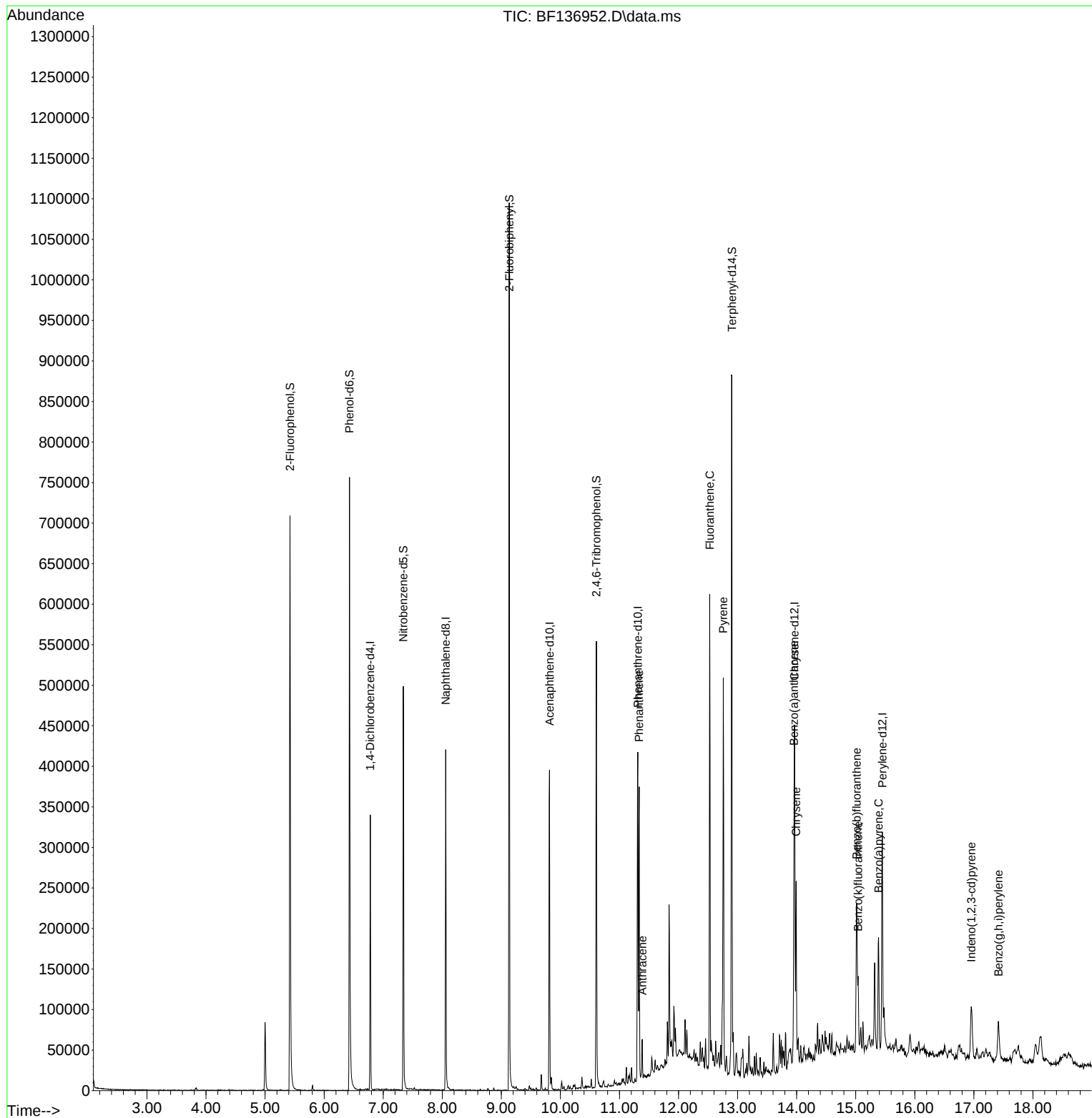
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136952.D
Acq On : 04 Jan 2024 21:17
Operator : CG\JU
Sample : 06045-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

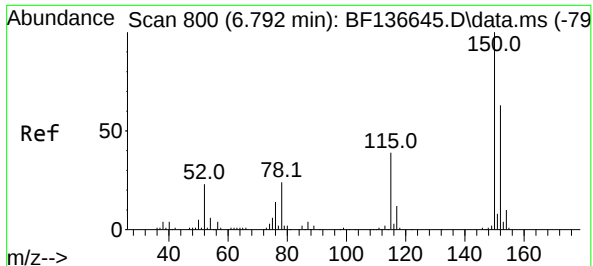
Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5

Quant Time: Jan 05 00:43:52 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

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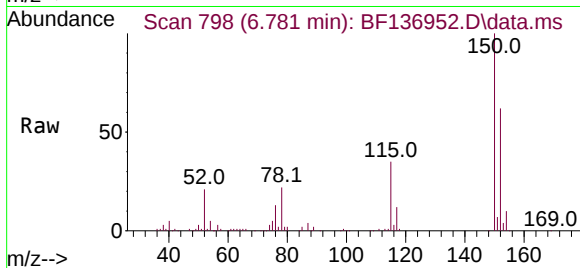
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

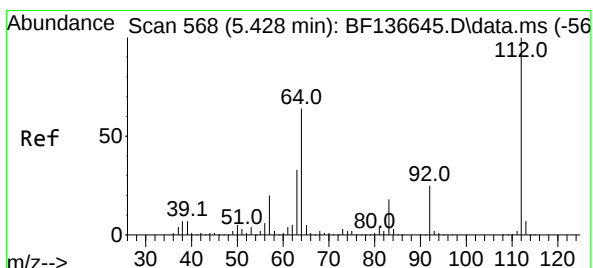
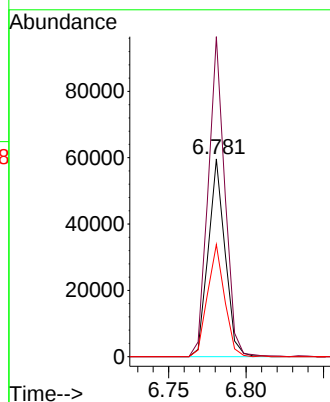
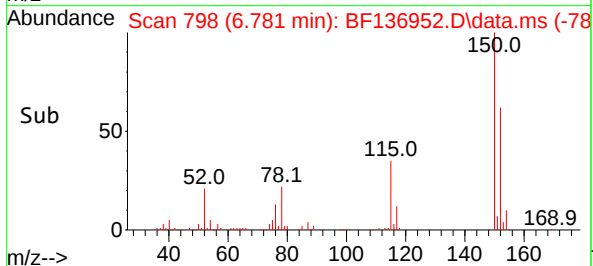
Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5



Tgt Ion:152 Resp: 45018
Ion Ratio Lower Upper
152 100
150 161.8 127.0 190.6
115 56.8 49.0 73.4

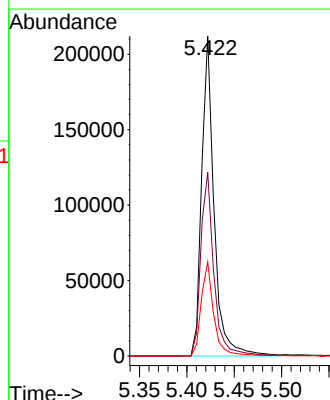
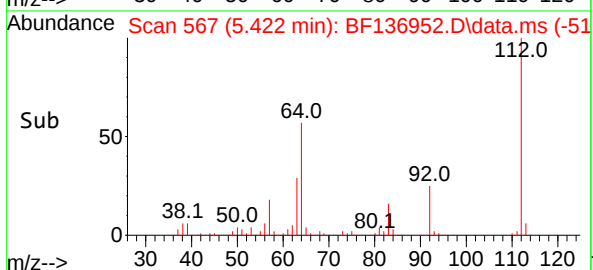
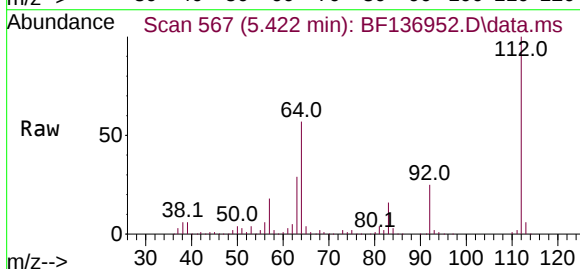
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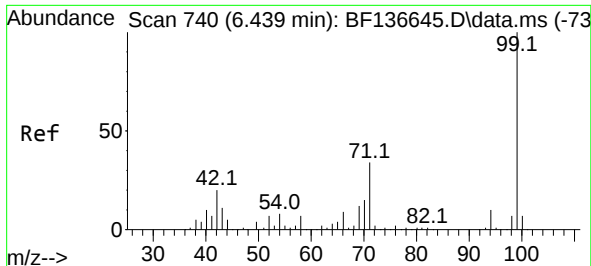
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#5
2-Fluorophenol
Concen: 67.274 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

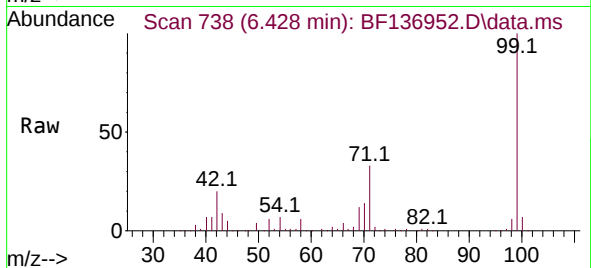
Tgt Ion:112 Resp: 194102
Ion Ratio Lower Upper
112 100
64 57.5 51.1 76.7
63 29.4 26.1 39.1





#7
Phenol-d6
Concen: 65.240 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

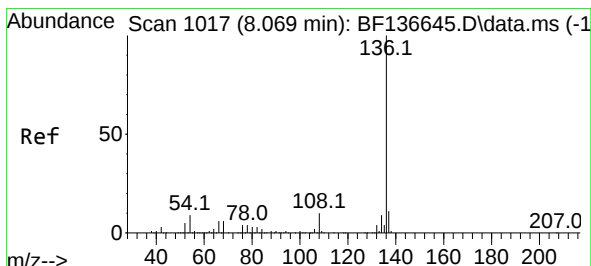
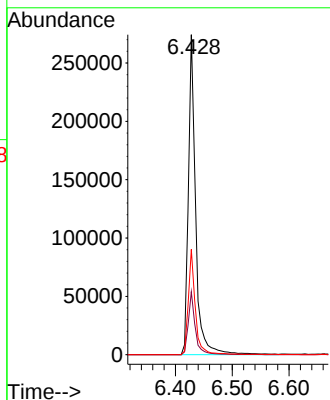
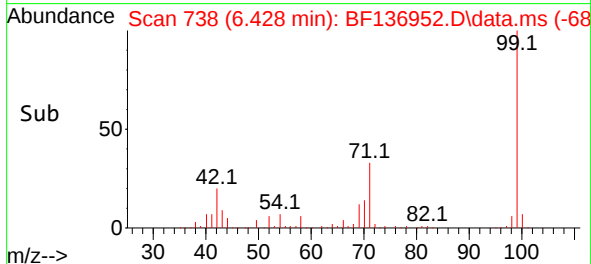
Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5



Tgt Ion: 99 Resp: 243900
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 32.9 27.4 41.2

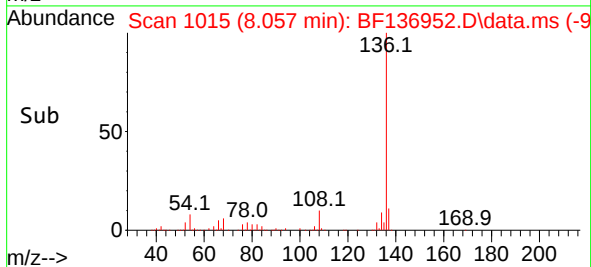
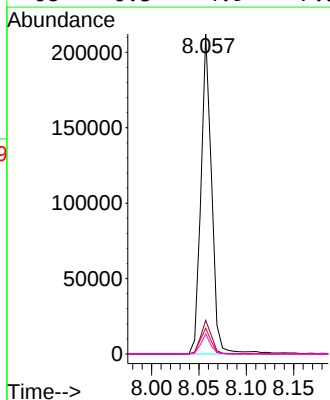
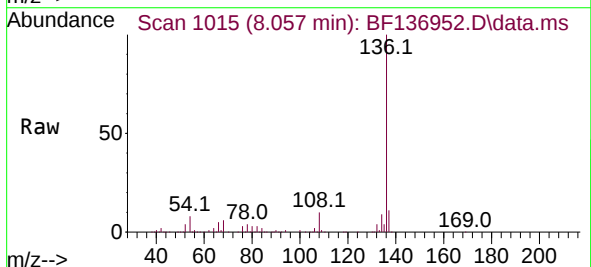
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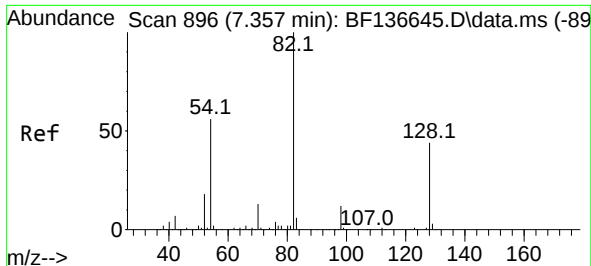
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

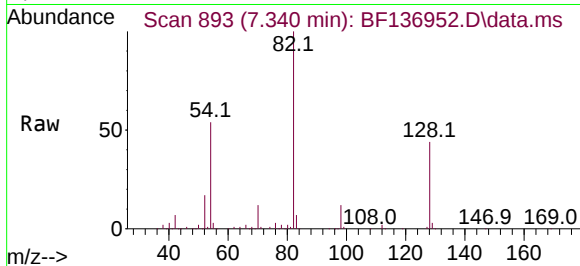
Tgt Ion:136 Resp: 166377
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 8.1 7.2 10.8
68 6.3 4.9 7.3





#23
Nitrobenzene-d5
Concen: 45.067 ng
RT: 7.340 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

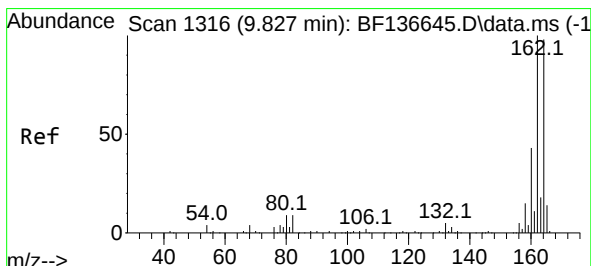
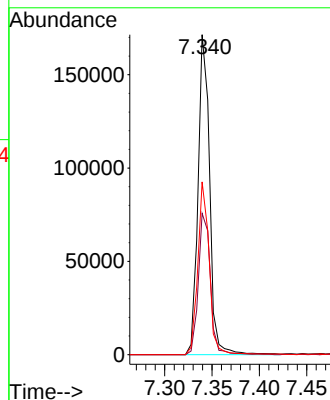
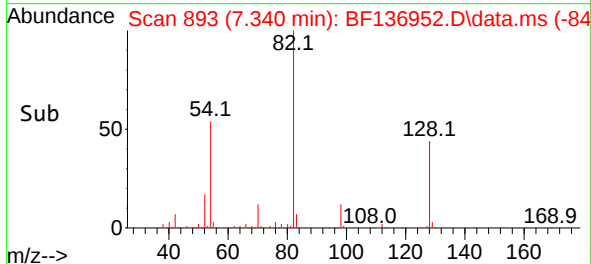
Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5



Tgt Ion: 82 Resp: 14653
Ion Ratio Lower Upper
82 100
128 44.2 35.3 52.9
54 54.0 44.5 66.7

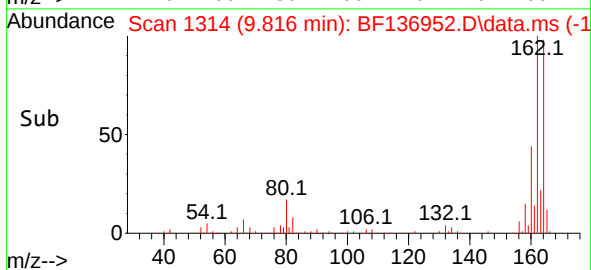
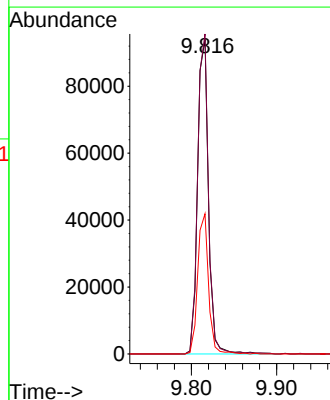
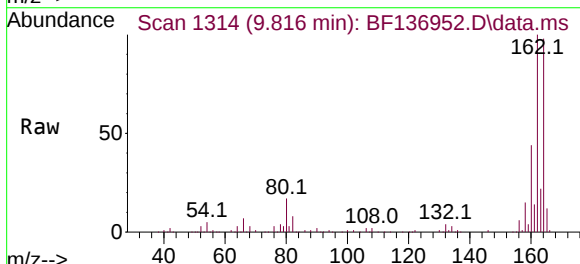
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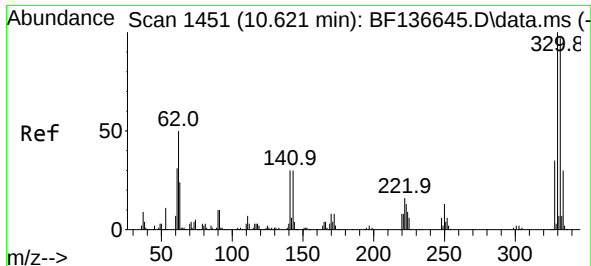
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Tgt Ion:164 Resp: 83372
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 44.6 34.9 52.3





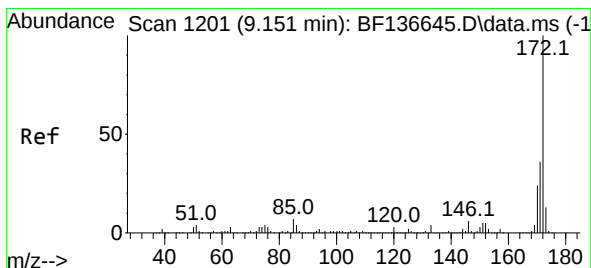
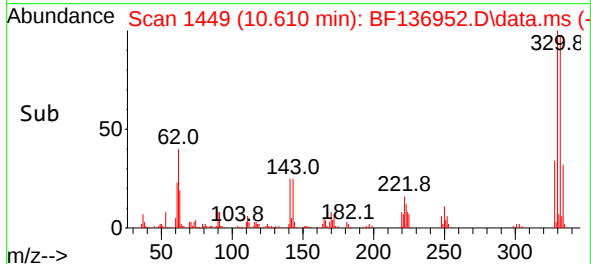
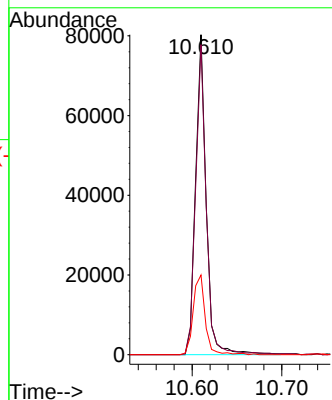
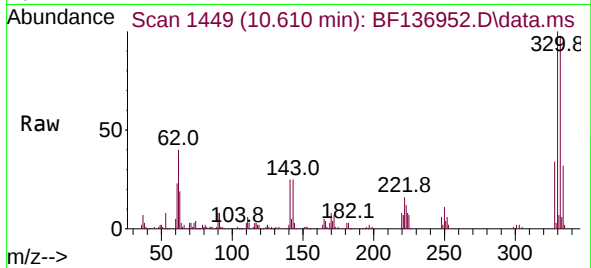
#42
2,4,6-Tribromophenol
Concen: 67.078 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5

Tgt Ion: 330 Resp: 6586
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 28.3 23.4 35.2

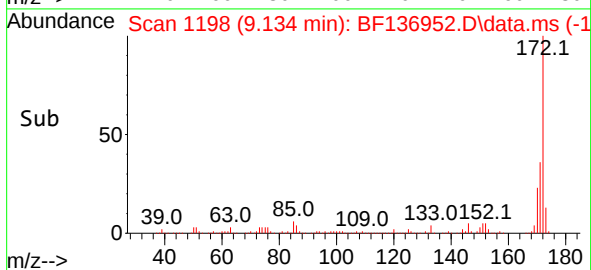
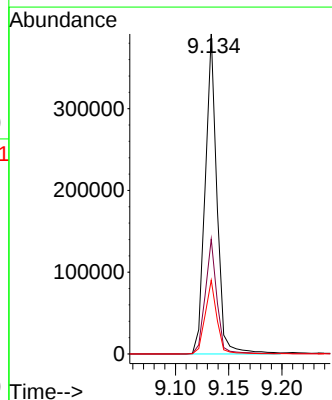
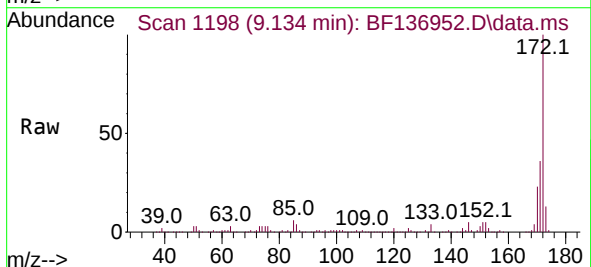
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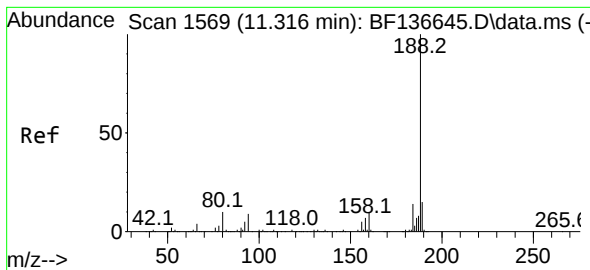
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#45
2-Fluorobiphenyl
Concen: 48.686 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Tgt Ion: 172 Resp: 301793
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.6
170 23.1 19.0 28.4





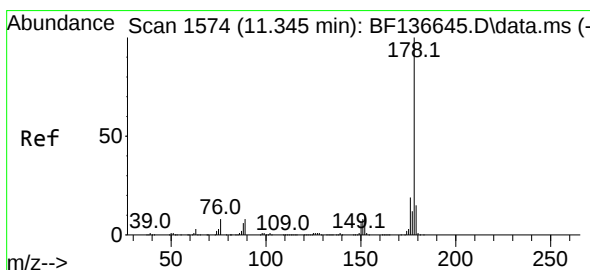
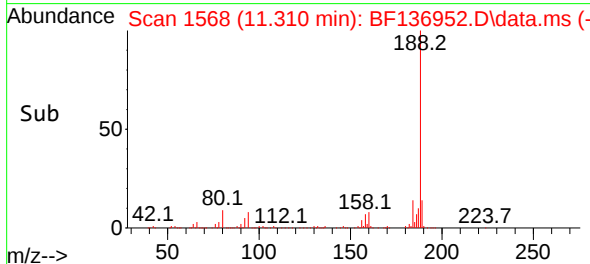
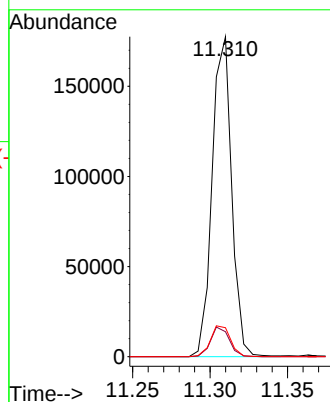
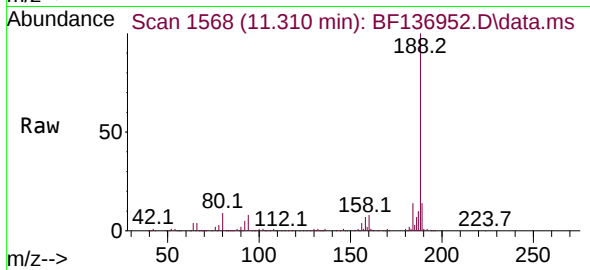
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5

Tgt Ion:188 Resp: 15528
Ion Ratio Lower Upper
188 100
94 7.8 7.5 11.3
80 9.1 8.1 12.1

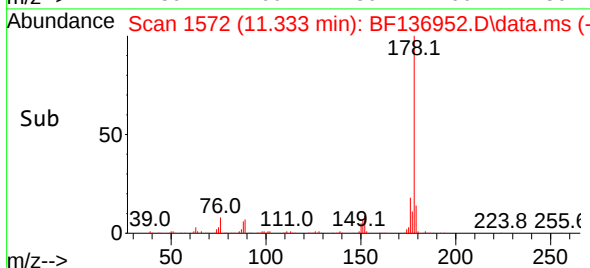
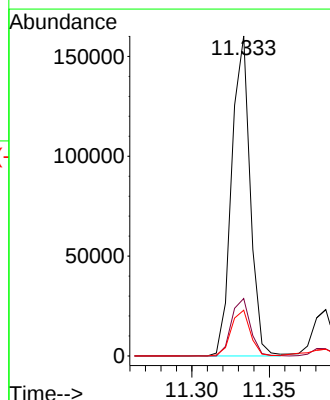
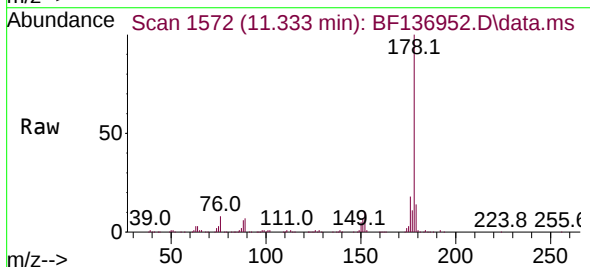
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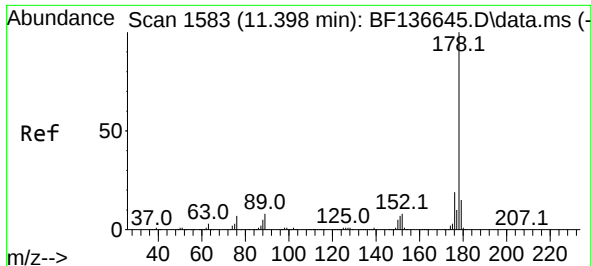
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#71
Phenanthrene
Concen: 16.650 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

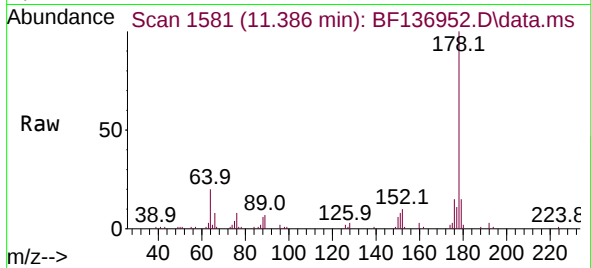
Tgt Ion:178 Resp: 132659
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 14.3 11.9 17.9





#72
 Anthracene
 Concen: 2.460 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136952.D
 Acq: 04 Jan 2024 21:17

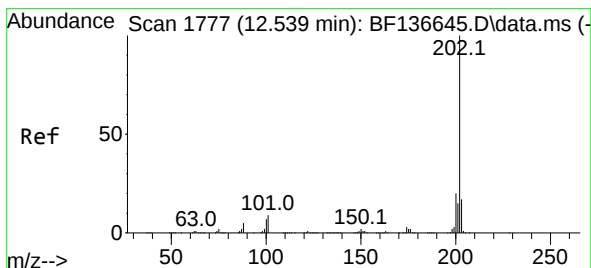
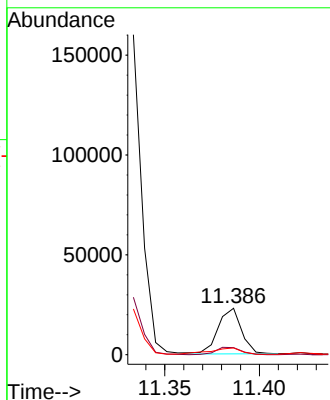
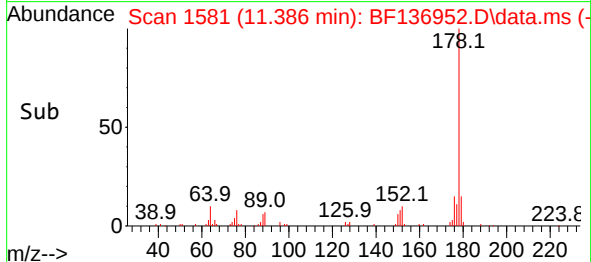
Instrument :
 BNA_F
 ClientSampleId :
 MR-300-2.0-2.5



Tgt Ion:178 Resp: 19849
 Ion Ratio Lower Upper
 178 100
 176 15.2 14.9 22.3
 179 14.6 11.8 17.6

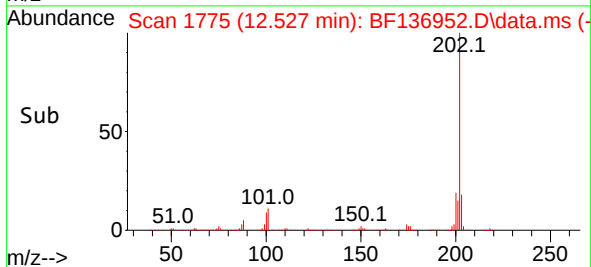
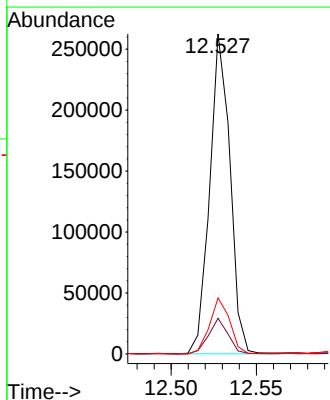
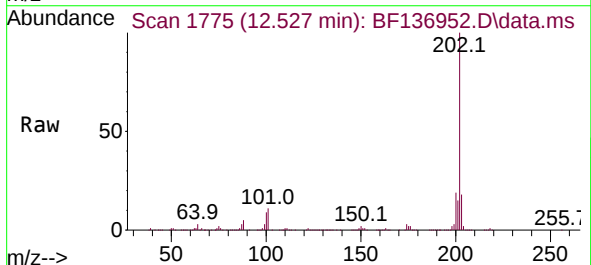
Manual Integrations
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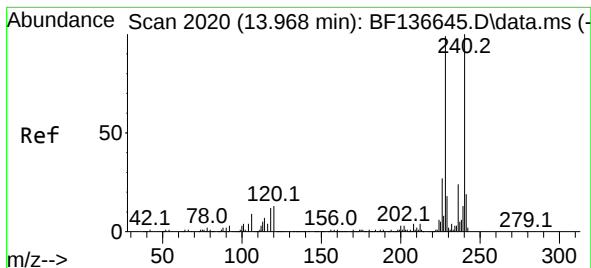
Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024



#75
 Fluoranthene
 Concen: 25.535 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136952.D
 Acq: 04 Jan 2024 21:17

Tgt Ion:202 Resp: 217625
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 29.3
 203 17.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA_F

ClientSampleId :

MR-300-2.0-2.5

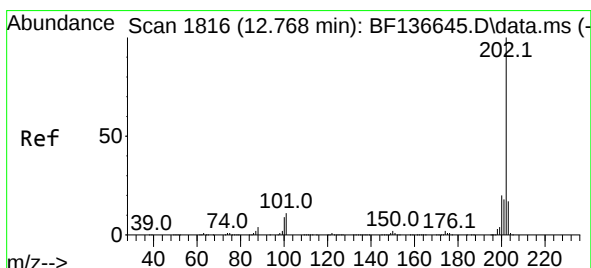
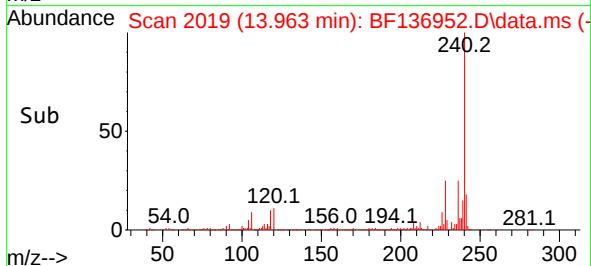
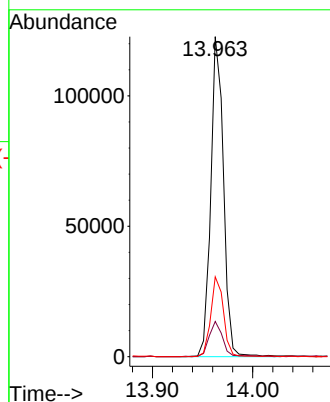
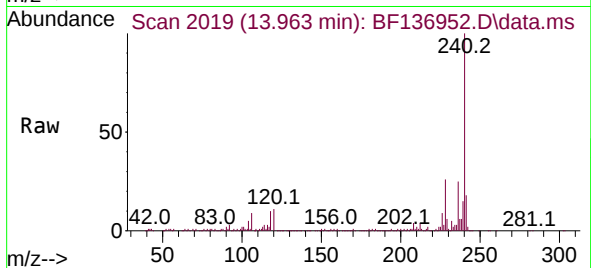
Tgt Ion:240	Resp: 10845
Ion Ratio	Lower Upper
240 100	
120 11.0	10.3 15.5
236 24.9	19.4 29.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#78

Pyrene

Concen: 17.966 ng

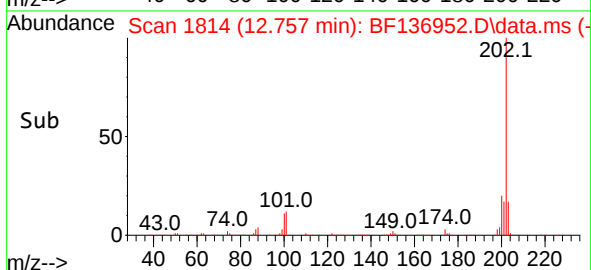
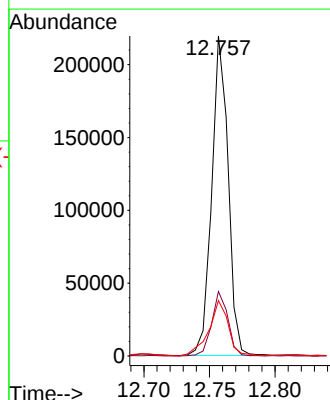
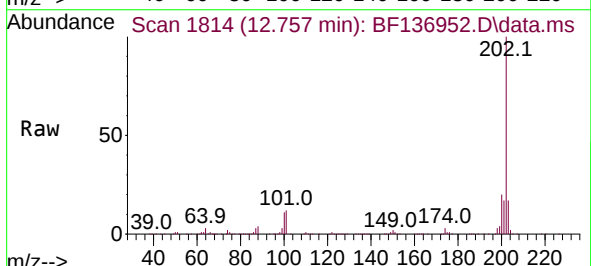
RT: 12.757 min Scan# 1814

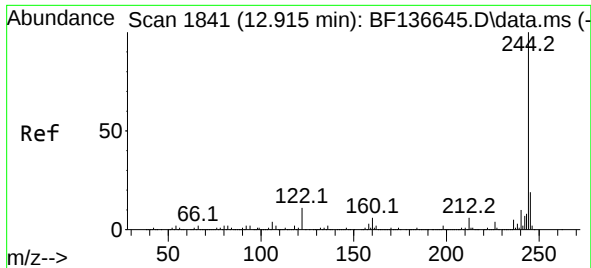
Delta R.T. -0.012 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

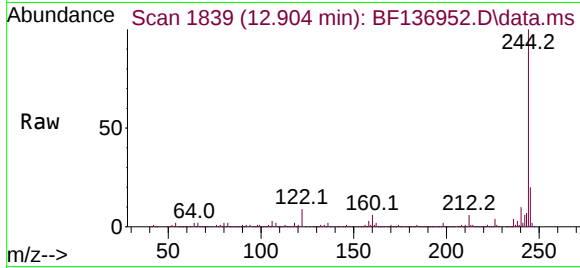
Tgt Ion:202	Resp: 191279
Ion Ratio	Lower Upper
202 100	
200 20.2	15.9 23.9
203 17.3	13.8 20.6





#79
Terphenyl-d14
Concen: 41.313 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

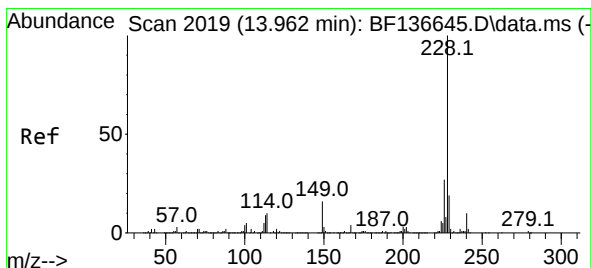
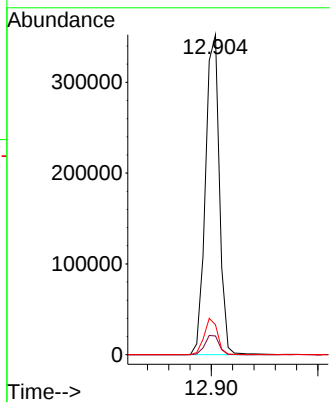
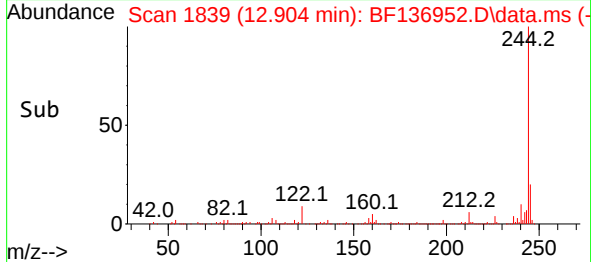
Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5



Tgt Ion:244 Resp: 320620
Ion Ratio Lower Upper
244 100
212 5.9 5.0 7.4
122 9.3 9.0 13.4

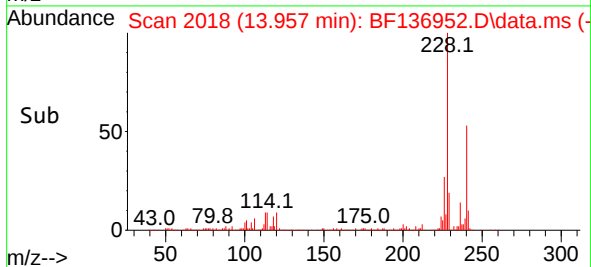
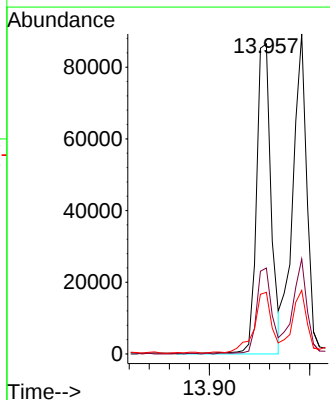
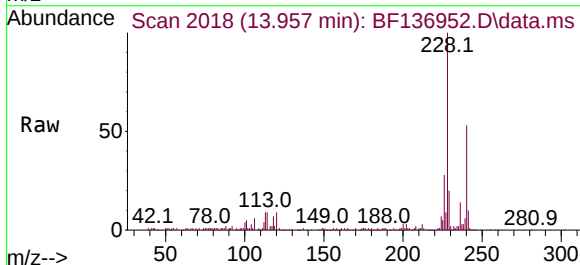
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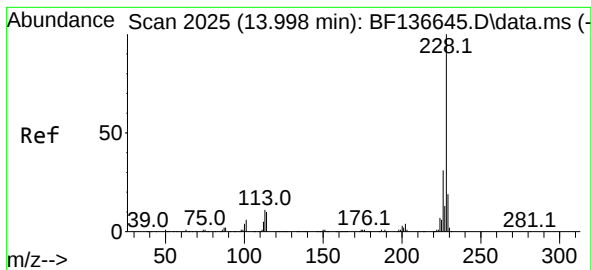
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#81
Benzo(a)anthracene
Concen: 11.564 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Tgt Ion:228 Resp: 87089
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 19.9 14.9 22.3





#83

Chrysene

Concen: 11.726 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA_F

ClientSampleId :

MR-300-2.0-2.5

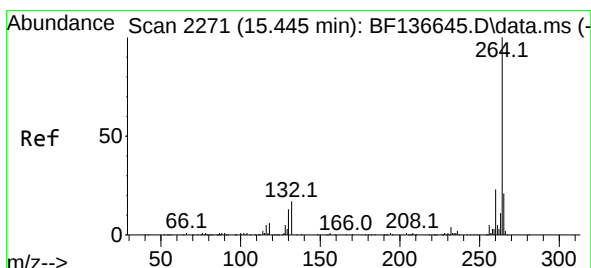
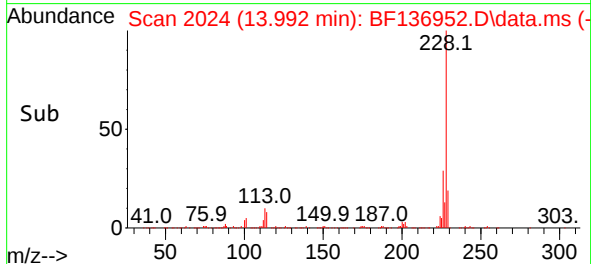
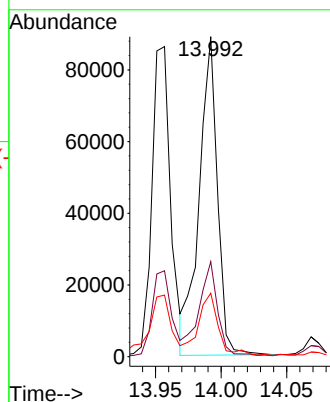
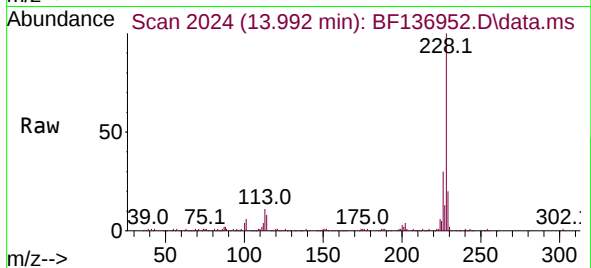
Tgt Ion:228	Resp: 8635
Ion Ratio	Lower Upper
228	100
226	29.7 24.7 37.1
229	19.8 15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#86

Perylene-d12

Concen: 20.000 ng

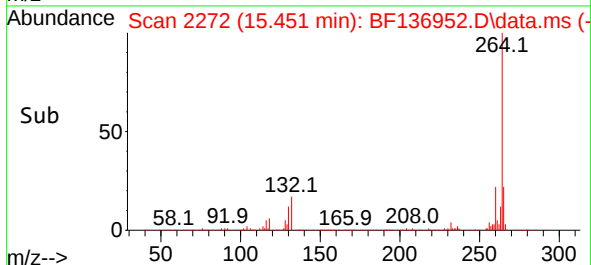
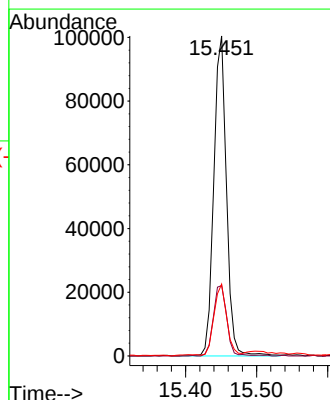
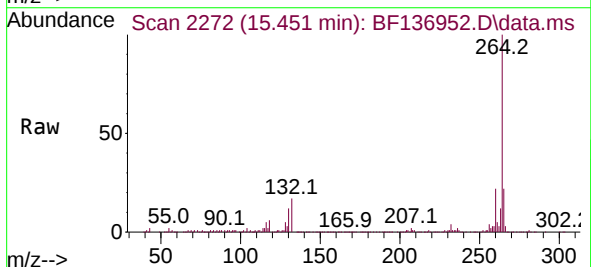
RT: 15.451 min Scan# 2272

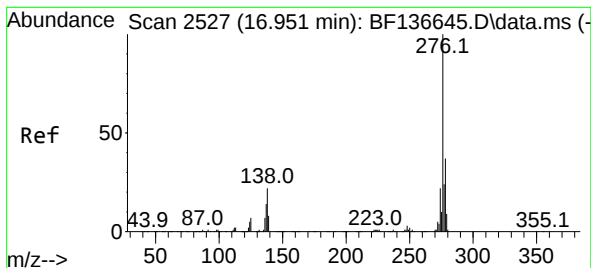
Delta R.T. 0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Tgt Ion:264	Resp: 124527
Ion Ratio	Lower Upper
264	100
260	22.0 18.3 27.5
265	22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.795 ng

RT: 16.957 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA_F

ClientSampleId :

MR-300-2.0-2.5

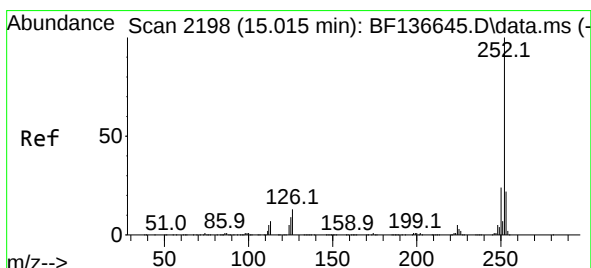
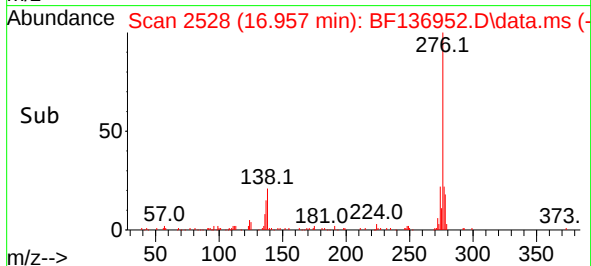
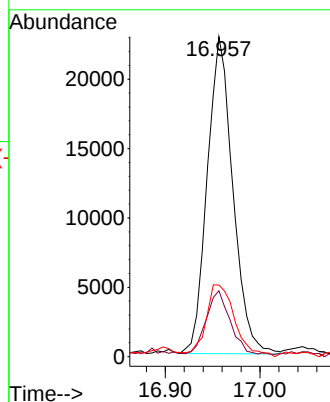
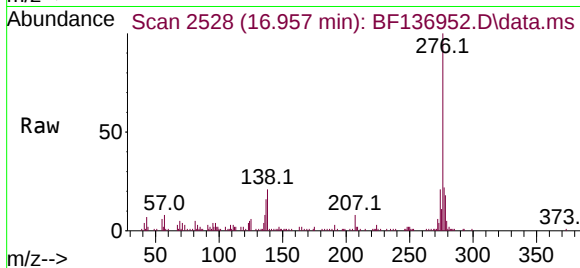
Tgt Ion:	276	Resp:	4311
Ion Ratio	Lower	Upper	
276	100		
138	19.6	18.7	28.1
277	25.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#88

Benzo(b)fluoranthene

Concen: 12.693 ng m

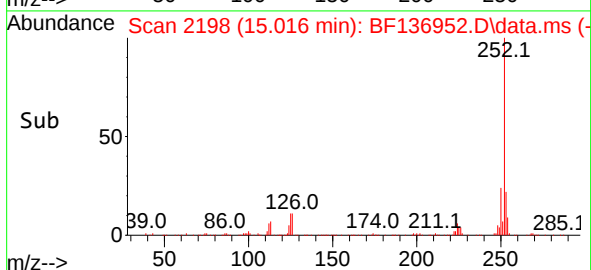
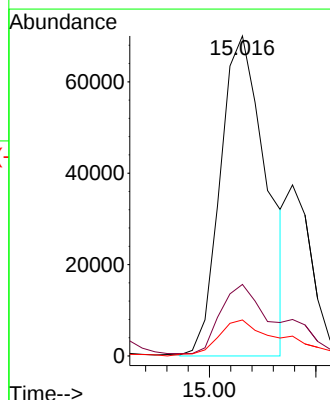
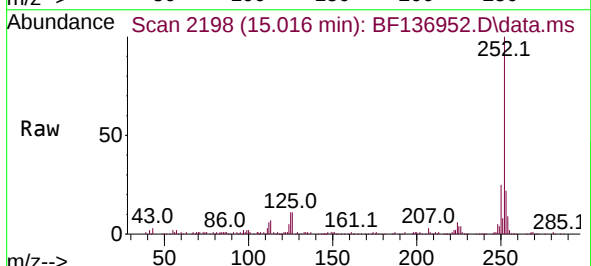
RT: 15.016 min Scan# 2198

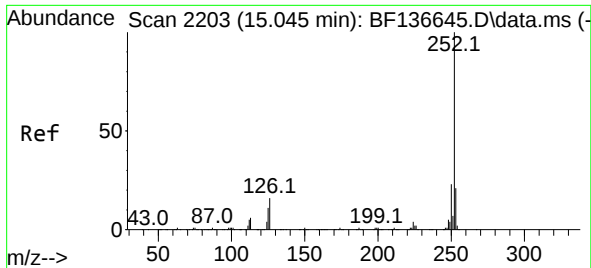
Delta R.T. 0.000 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Tgt Ion:	252	Resp:	105575
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	11.2	7.4	11.2





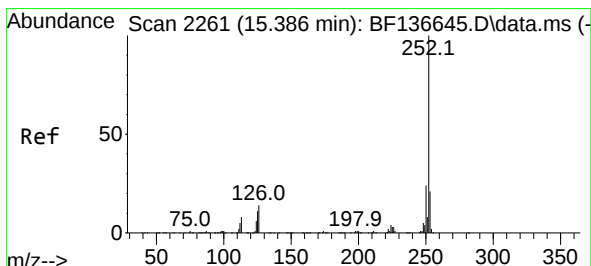
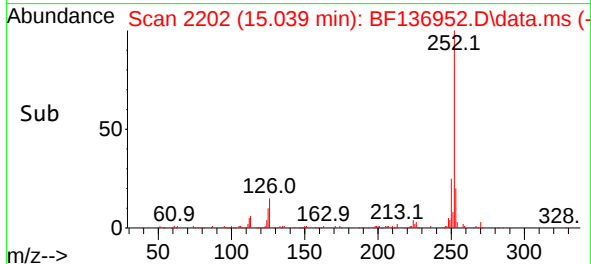
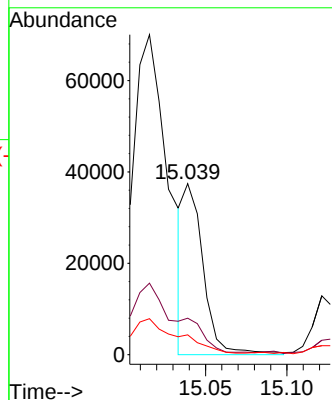
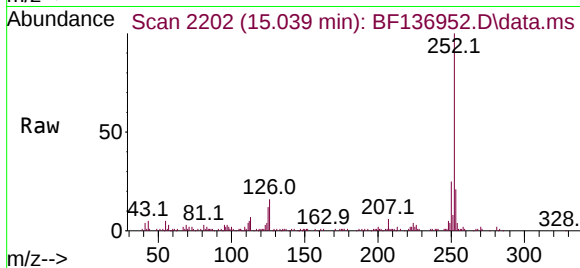
#89
Benzo(k)fluoranthene
Concen: 4.042 ng m
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Instrument :
BNA_F
ClientSampleId :
MR-300-2.0-2.5

Tgt Ion:252 Resp: 31760
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 11.6 8.2 12.4

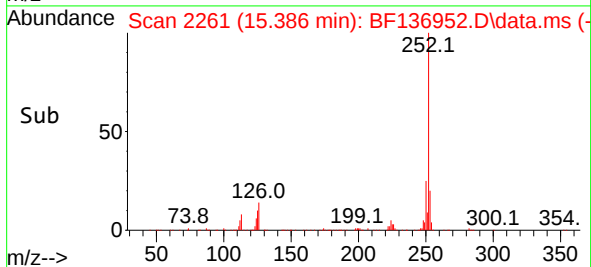
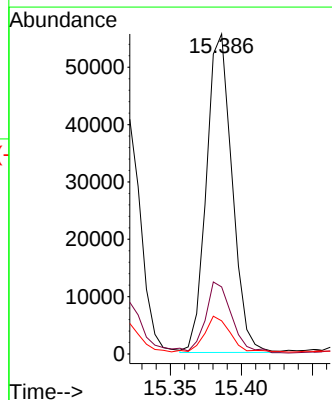
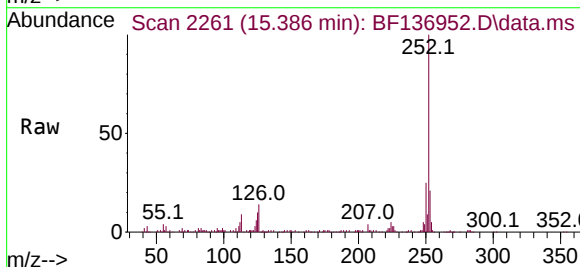
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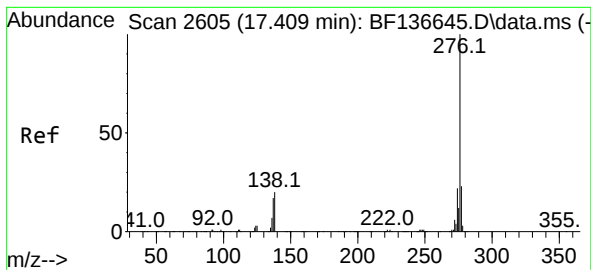
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#90
Benzo(a)pyrene
Concen: 9.970 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF136952.D
Acq: 04 Jan 2024 21:17

Tgt Ion:252 Resp: 69996
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.6
125 10.4 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 5.348 ng

RT: 17.415 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF136952.D

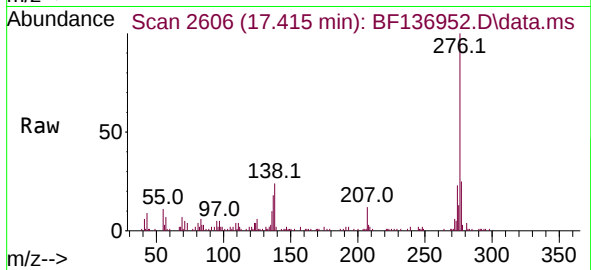
Acq: 04 Jan 2024 21:17

Instrument :

BNA_F

ClientSampleId :

MR-300-2.0-2.5



Tgt Ion:276 Resp: 4040

Ion Ratio Lower Upper

276 100

277 24.6 18.3 27.5

138 24.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

