

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140413.D
 Acq On : 15 Nov 2024 19:25
 Operator : RC/JU
 Sample : P4809-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 22:15:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	133610	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	486852	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	223509	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	343324	20.000	ng	0.00
76) Chrysene-d12	14.051	240	227474	20.000	ng	0.00
86) Perylene-d12	15.551	264	169950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	55506	7.093	ng	0.01
7) Phenol-d6	6.510	99	74236	7.002	ng	0.00
23) Nitrobenzene-d5	7.434	82	45182	4.835	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	12217	5.497	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	92685	6.666	ng	0.00
79) Terphenyl-d14	12.980	244	71240	5.436	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	54735	3.394	ng	99
75) Fluoranthene	12.616	202	113149	6.253	ng	99
78) Pyrene	12.845	202	107279	5.514	ng	99
81) Benzo(a)anthracene	14.039	228	53211	3.559	ng	96
83) Chrysene	14.075	228	42202m	3.094	ng	
88) Benzo(b)fluoranthene	15.116	252	40734m	3.664	ng	
90) Benzo(a)pyrene	15.492	252	26609	3.082	ng	# 84

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

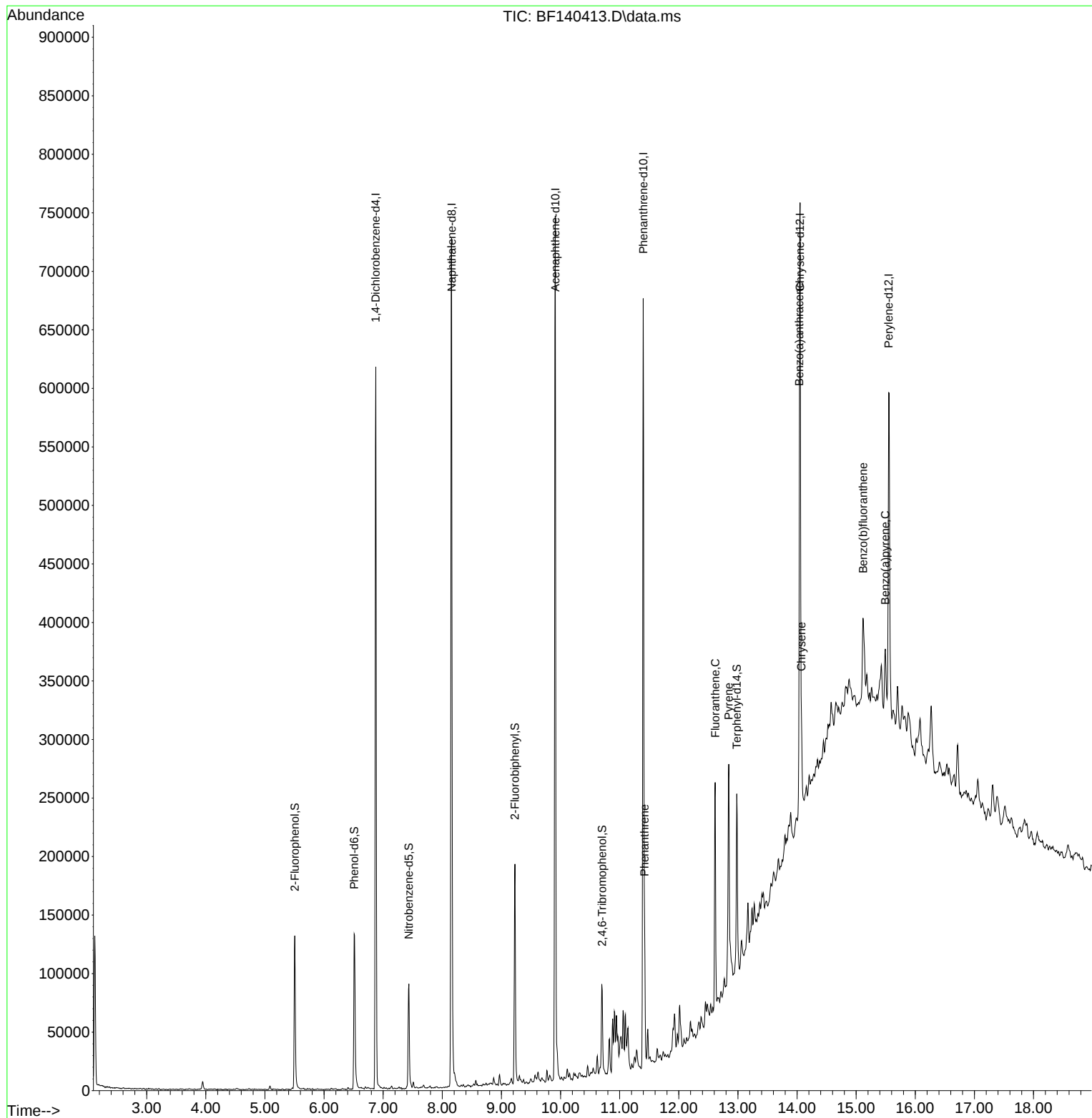
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140413.D
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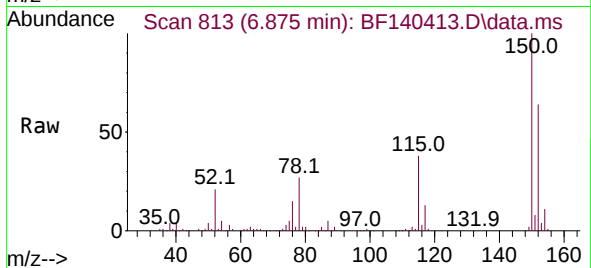
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

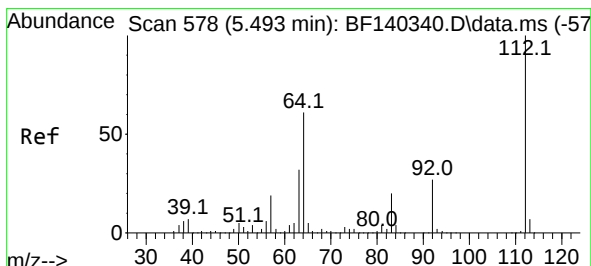
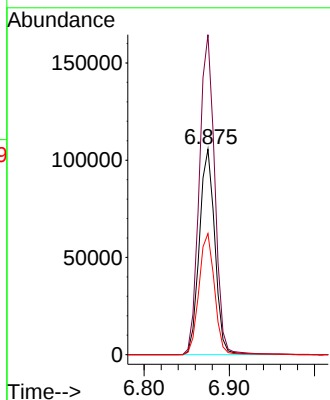
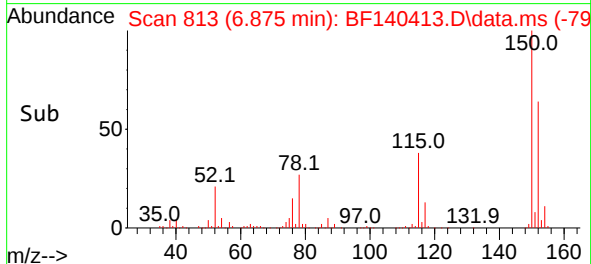
Instrument :
BNA_F
ClientSampleId :
MH-5



Tgt Ion:152 Resp: 133610
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.0
115 58.9 47.4 71.2

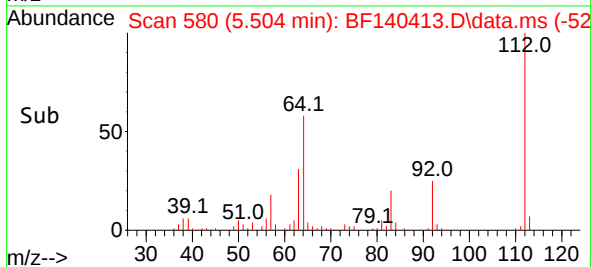
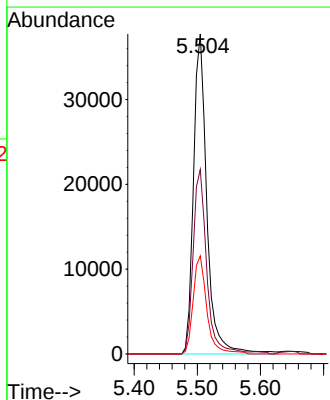
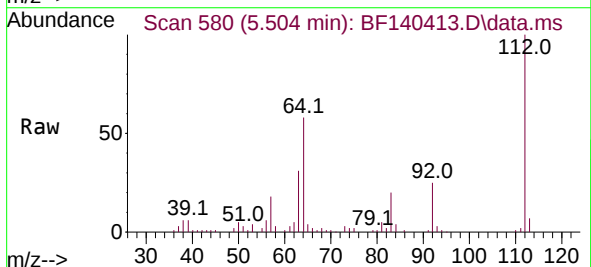
Manual Integrations
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Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#5
2-Fluorophenol
Concen: 7.093 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:112 Resp: 55506
Ion Ratio Lower Upper
112 100
64 57.7 49.2 73.8
63 30.7 25.6 38.4





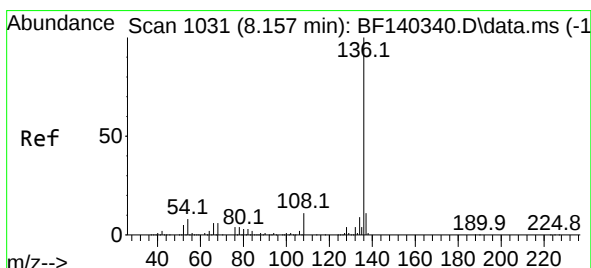
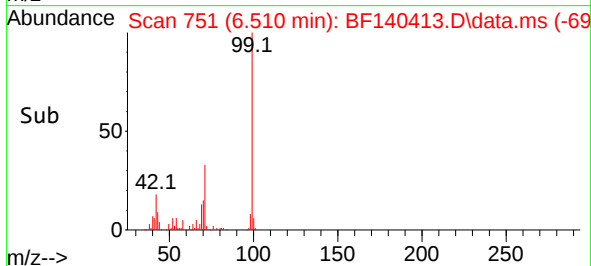
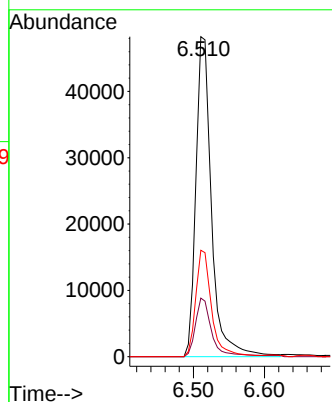
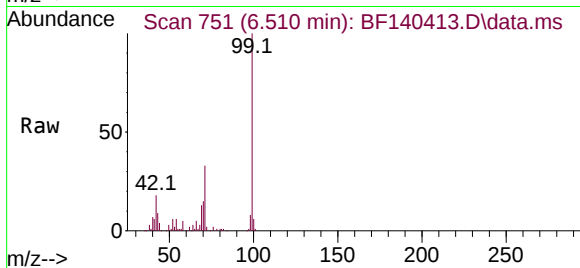
#7
Phenol-d6
Concen: 7.002 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion: 99 Resp: 74230
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 33.3 27.9 41.9

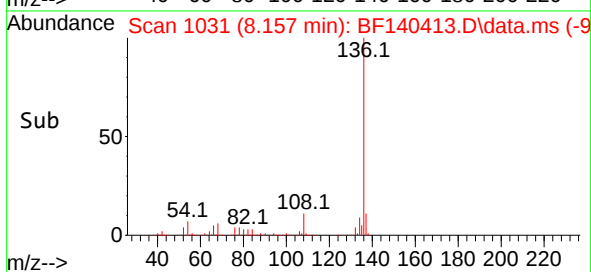
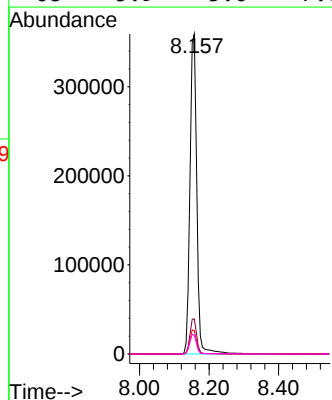
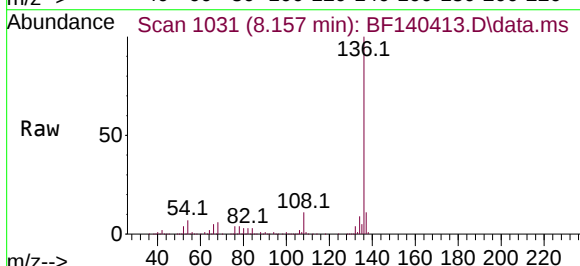
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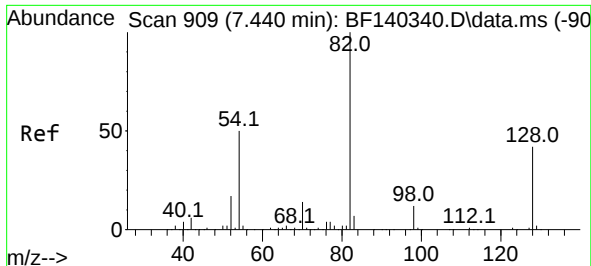
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Supervised By :mohammad ahmed 11/18/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:136 Resp: 486852
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.3 6.5 9.7
68 5.9 5.0 7.6





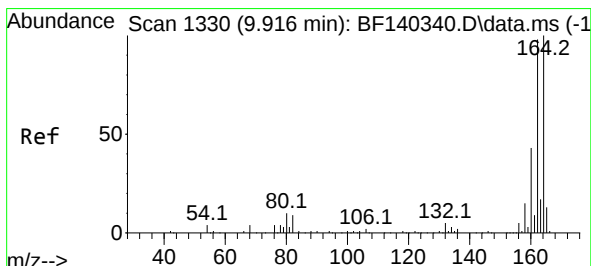
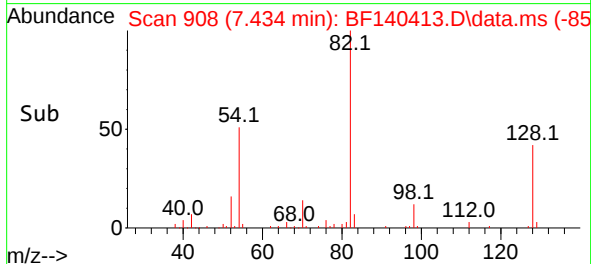
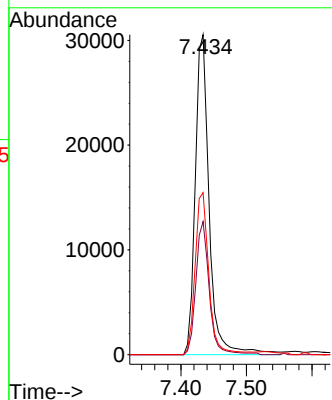
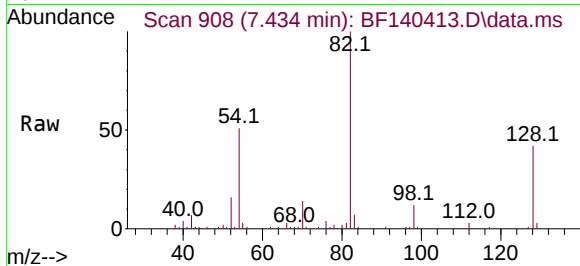
#23
Nitrobenzene-d5
Concen: 4.835 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion: 82 Resp: 4518
Ion Ratio Lower Upper
82 100
128 41.6 33.3 49.9
54 50.6 39.8 59.8

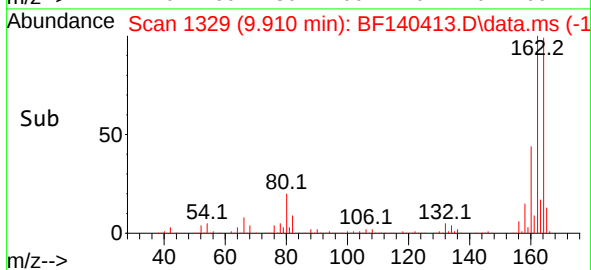
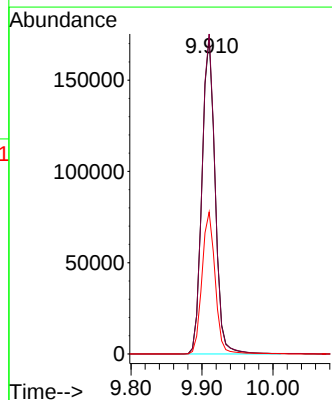
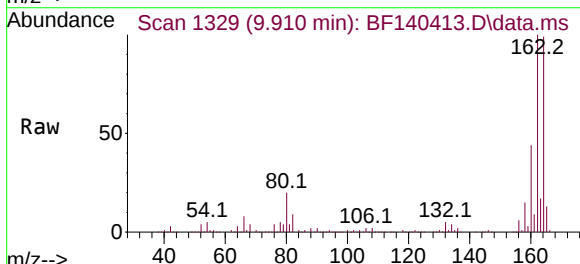
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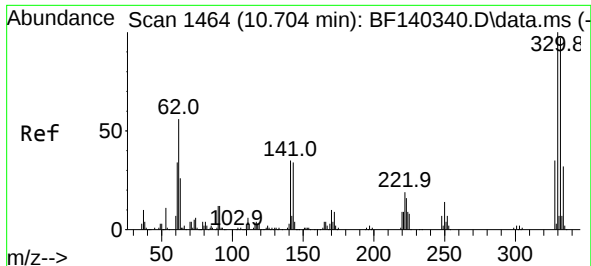
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Supervised By :mohammad ahmed 11/18/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:164 Resp: 223509
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 44.9 35.4 53.0





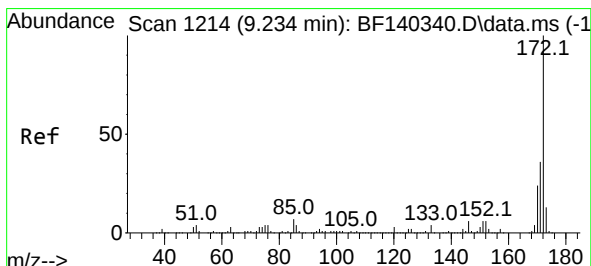
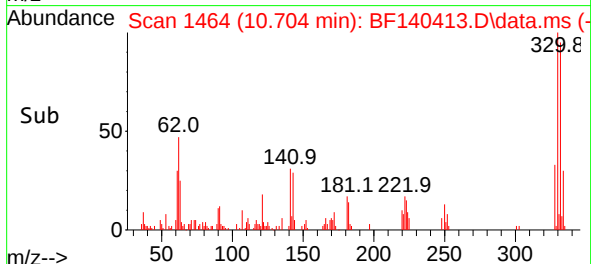
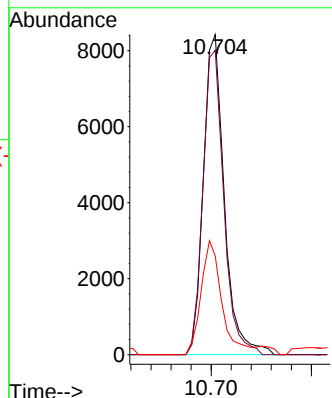
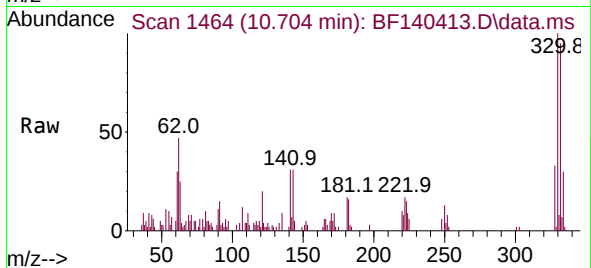
#42
2,4,6-Tribromophenol
Concen: 5.497 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion: 330 Resp: 1221
Ion Ratio Lower Upper
330 100
332 94.9 75.9 113.9
141 37.4 26.9 40.3

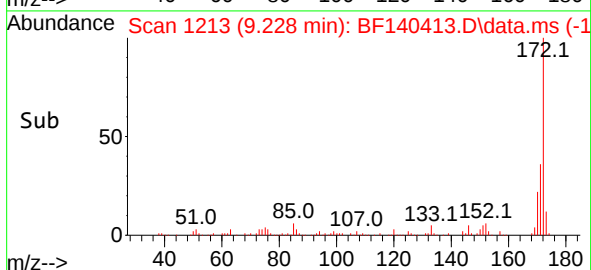
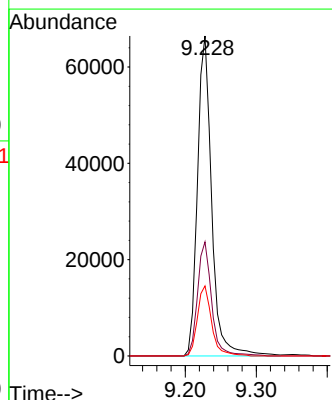
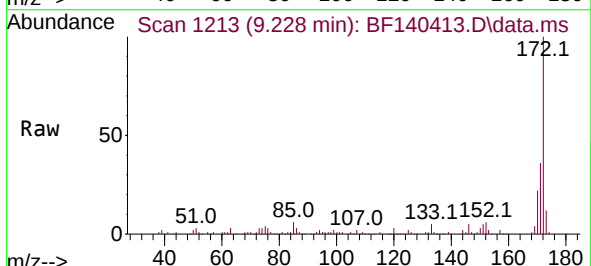
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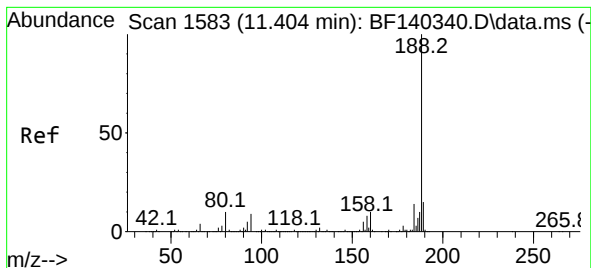
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Supervised By : mohammad ahmed 11/18/2024



#45
2-Fluorobiphenyl
Concen: 6.666 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion: 172 Resp: 92685
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 21.9 19.1 28.7





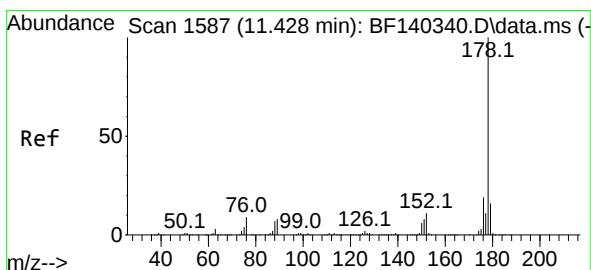
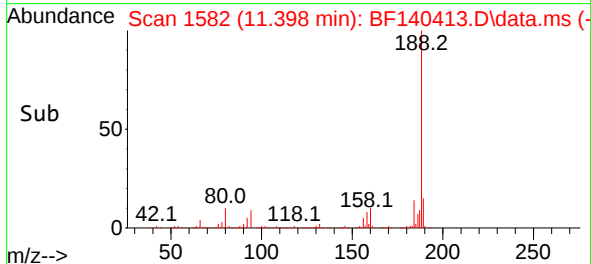
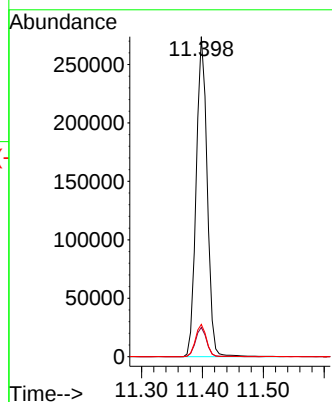
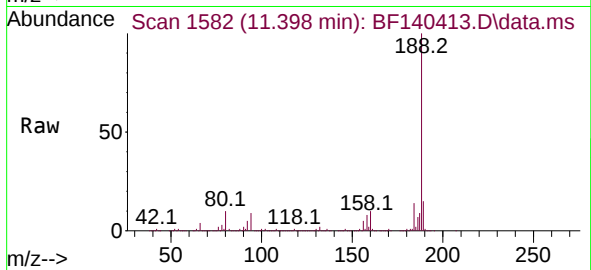
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion:188 Resp: 343324
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 10.1 8.0 12.0

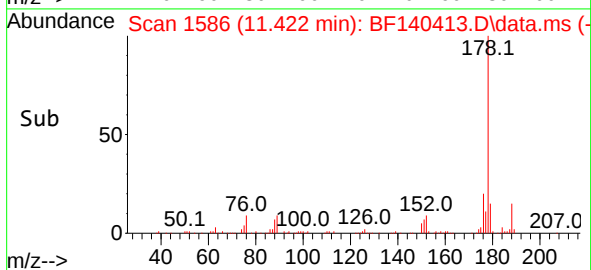
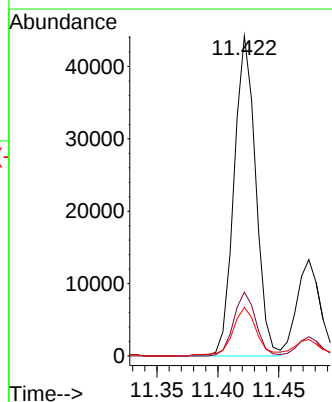
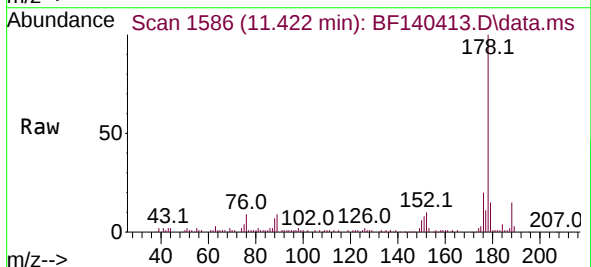
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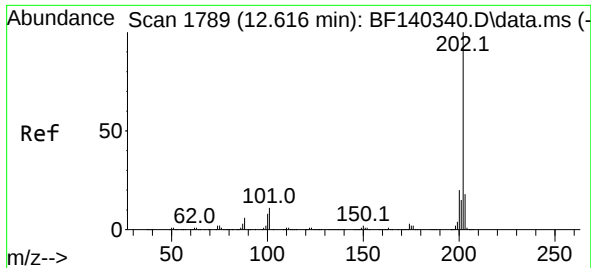
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Supervised By :mohammad ahmed 11/18/2024



#71
Phenanthrene
Concen: 3.394 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

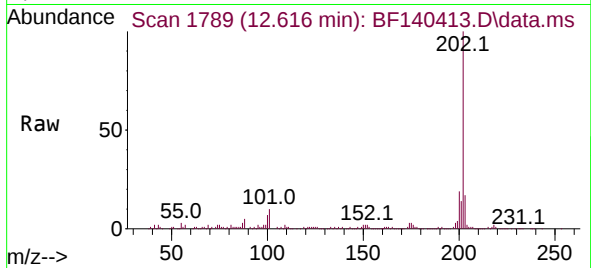
Tgt Ion:178 Resp: 54735
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 6.253 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

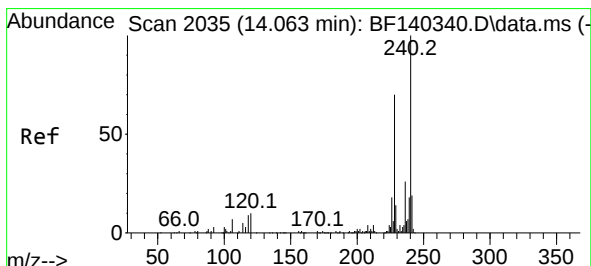
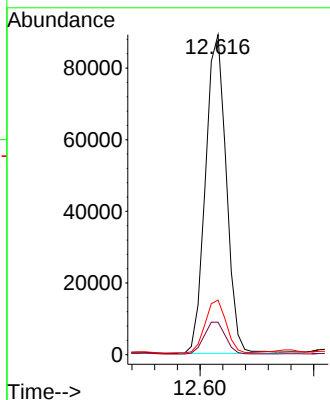
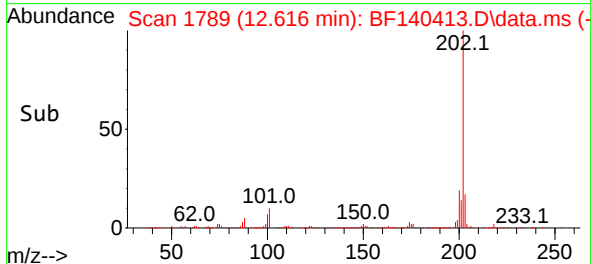
Instrument :
BNA_F
ClientSampleId :
MH-5



Tgt Ion:202 Resp: 113149
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 17.1 0.0 37.7

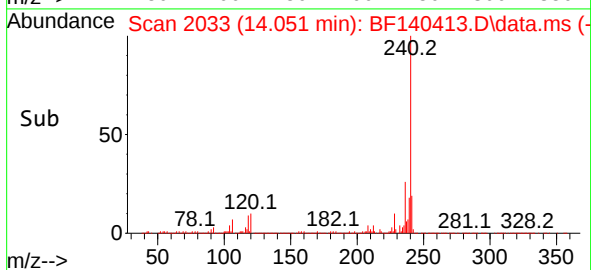
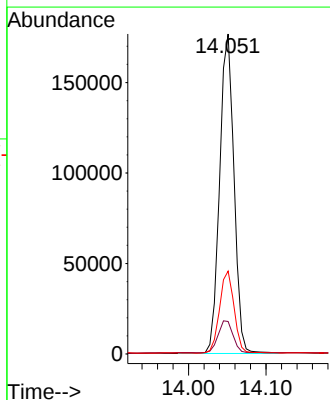
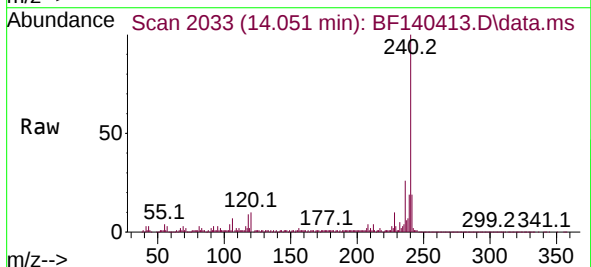
Manual Integrations
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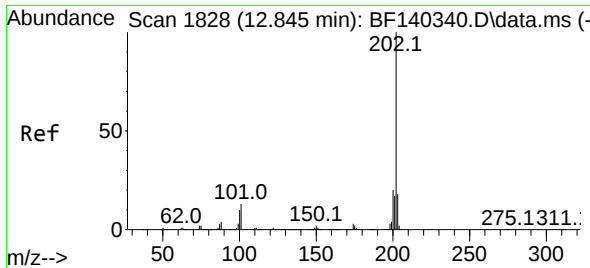
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:240 Resp: 227474
Ion Ratio Lower Upper
240 100
120 10.2 8.8 13.2
236 25.9 20.9 31.3





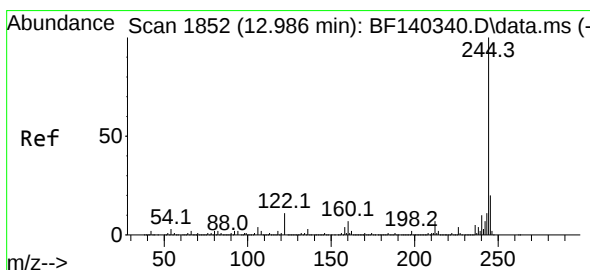
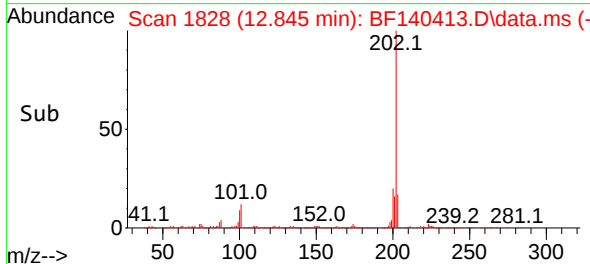
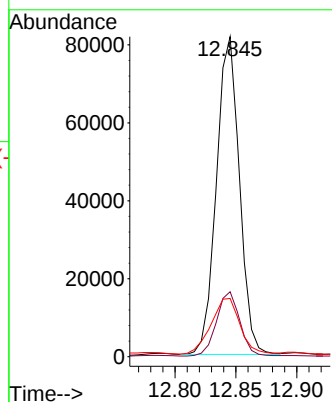
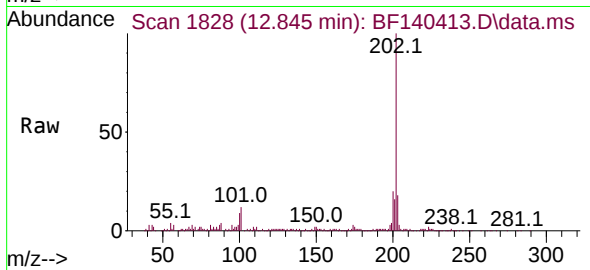
#78
Pyrene
Concen: 5.514 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion:202 Resp: 107279
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 18.2 14.2 21.4

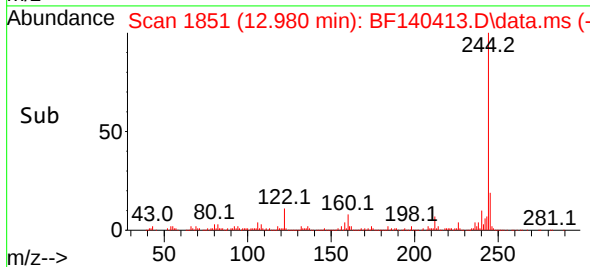
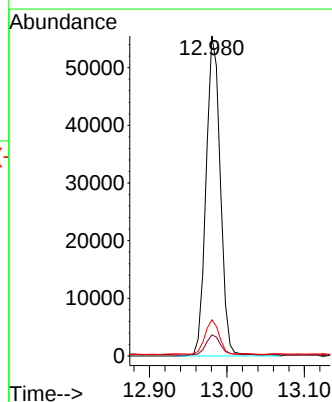
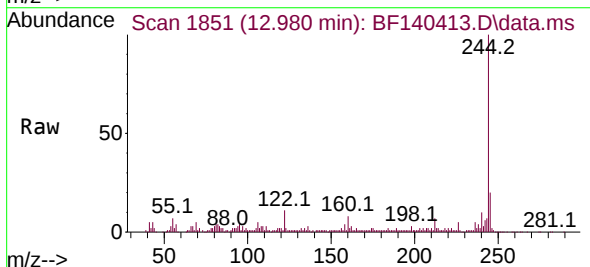
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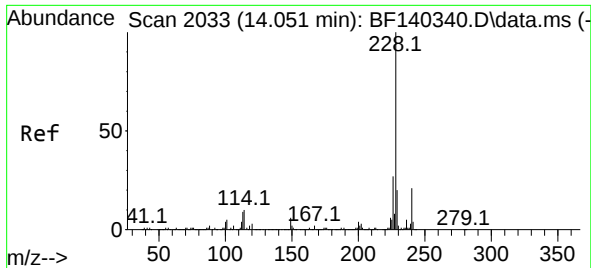
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#79
Terphenyl-d14
Concen: 5.436 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:244 Resp: 71240
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 11.3 8.8 13.2





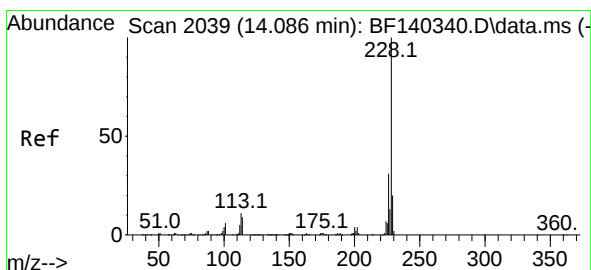
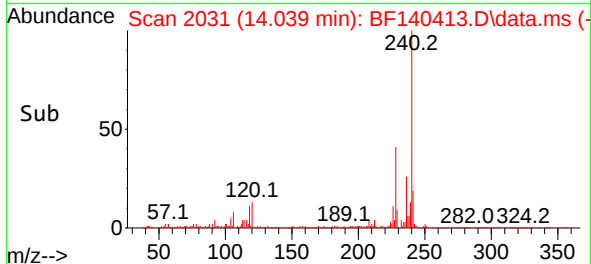
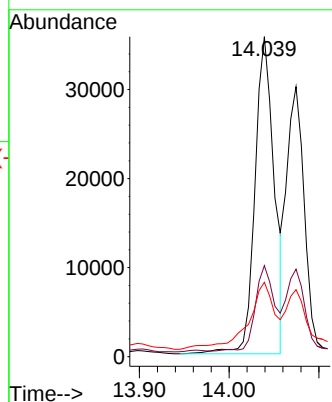
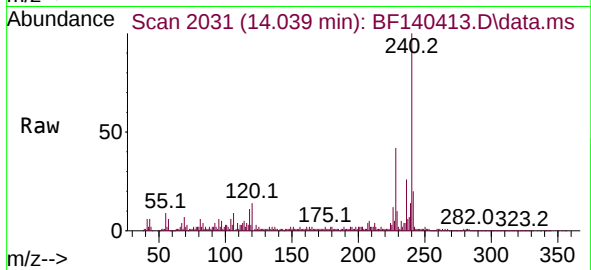
#81
Benzo(a)anthracene
Concen: 3.559 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion:228 Resp: 5321
Ion Ratio Lower Upper
228 100
226 28.4 22.2 33.4
229 23.3 15.8 23.6

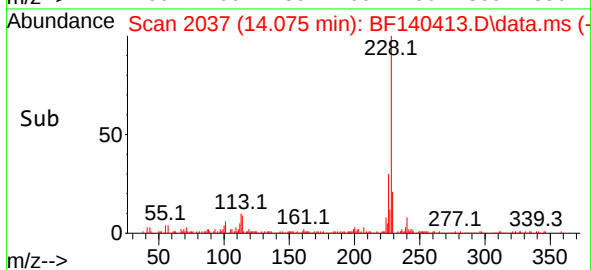
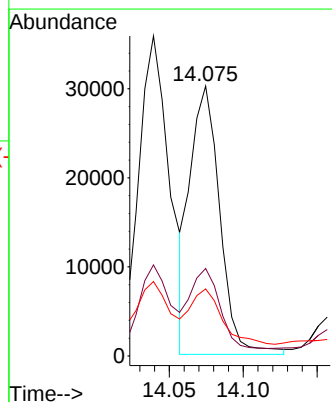
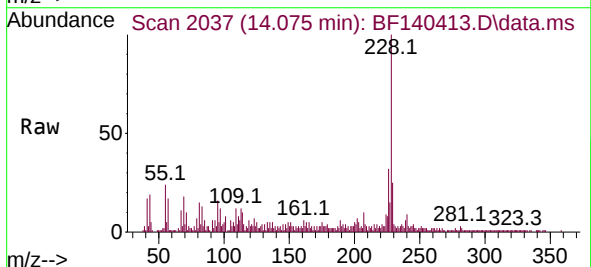
Manual Integrations
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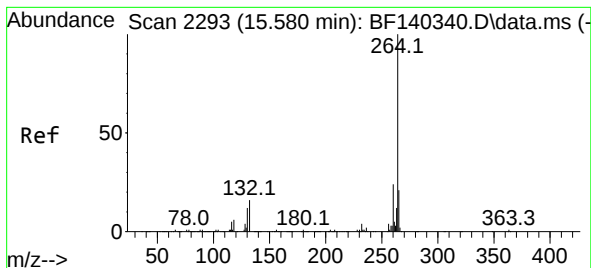
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#83
Chrysene
Concen: 3.094 ng m
RT: 14.075 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:228 Resp: 42202
Ion Ratio Lower Upper
228 100
226 32.4 24.5 36.7
229 24.8 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5

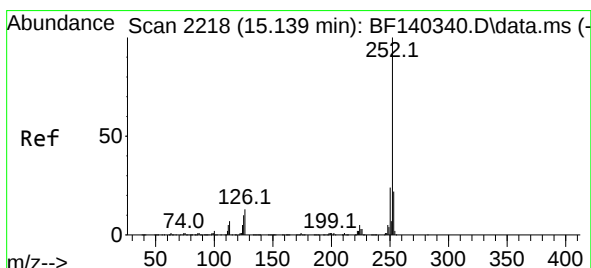
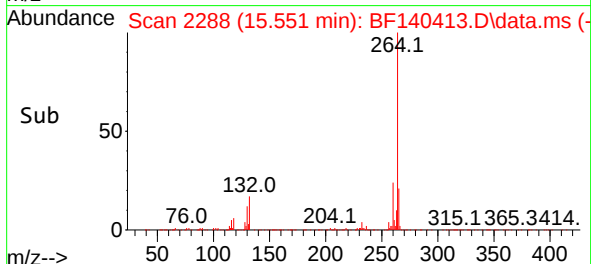
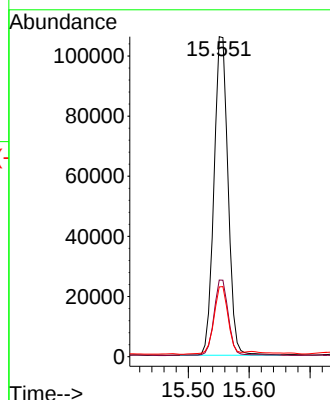
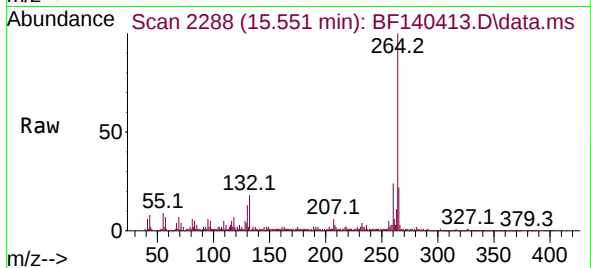
Tgt Ion:264 Resp: 169950
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.8 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#88

Benzo(b)fluoranthene

Concen: 3.664 ng m

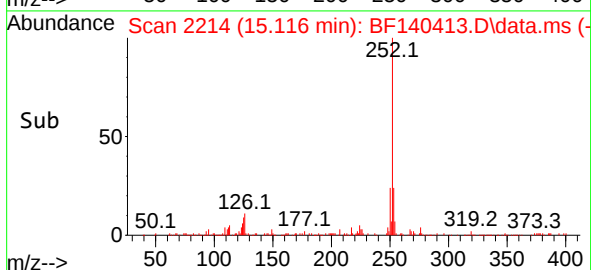
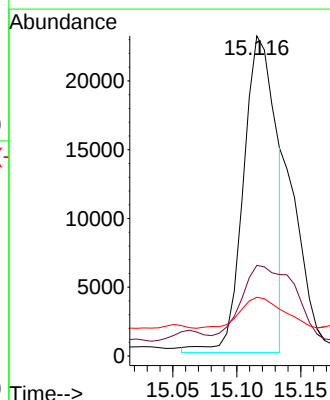
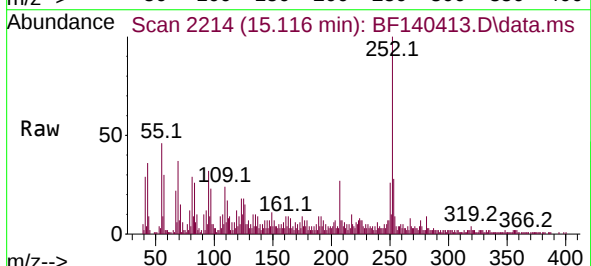
RT: 15.116 min Scan# 2214

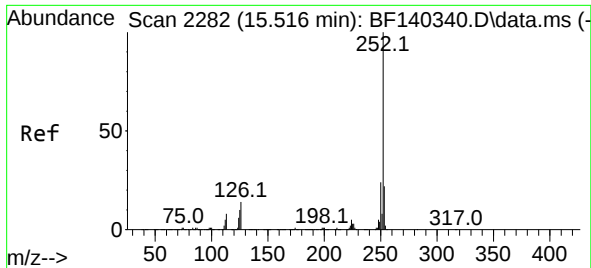
Delta R.T. 0.000 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

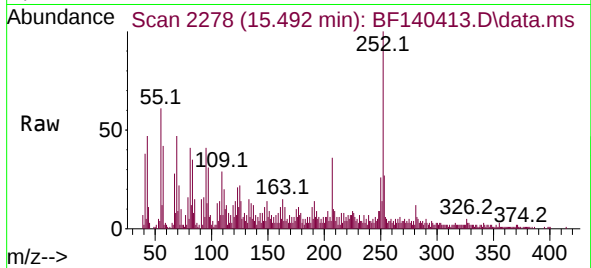
Tgt Ion:252 Resp: 40734
 Ion Ratio Lower Upper
 252 100
 253 28.3 17.5 26.3#
 125 18.4 8.0 12.0#





#90
Benzo(a)pyrene
Concen: 3.082 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Instrument :
BNA_F
ClientSampleId :
MH-5



Tgt Ion:252 Resp: 26609
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.6
125 21.8 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

