

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140434.D
 Acq On : 16 Nov 2024 17:08
 Operator : RC/JU
 Sample : P4823-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:08:35 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	117456	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	439698	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	233669	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	392979	20.000	ng	0.00
76) Chrysene-d12	14.045	240	249274	20.000	ng	0.00
86) Perylene-d12	15.527	264	209355	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	588499	85.546	ng	0.01
7) Phenol-d6	6.510	99	769274	82.537	ng	0.00
23) Nitrobenzene-d5	7.434	82	487529	57.771	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	180206	77.553	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	868756	59.767	ng	0.00
79) Terphenyl-d14	12.980	244	703640	48.997	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	148135	8.024	ng	98
72) Anthracene	11.474	178	44089	2.437	ng	99
75) Fluoranthene	12.616	202	516328	24.930	ng	99
78) Pyrene	12.845	202	478427	22.438	ng	100
81) Benzo(a)anthracene	14.033	228	370746	22.630	ng	98
83) Chrysene	14.068	228	278222	18.613	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	114143	8.826	ng	96
88) Benzo(b)fluoranthene	15.092	252	368673m	26.920	ng	
89) Benzo(k)fluoranthene	15.110	252	118764m	10.615	ng	
90) Benzo(a)pyrene	15.462	252	224000	21.062	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	30934	2.894	ng	# 87
92) Benzo(g,h,i)perylene	17.474	276	104242	9.538	ng	98

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

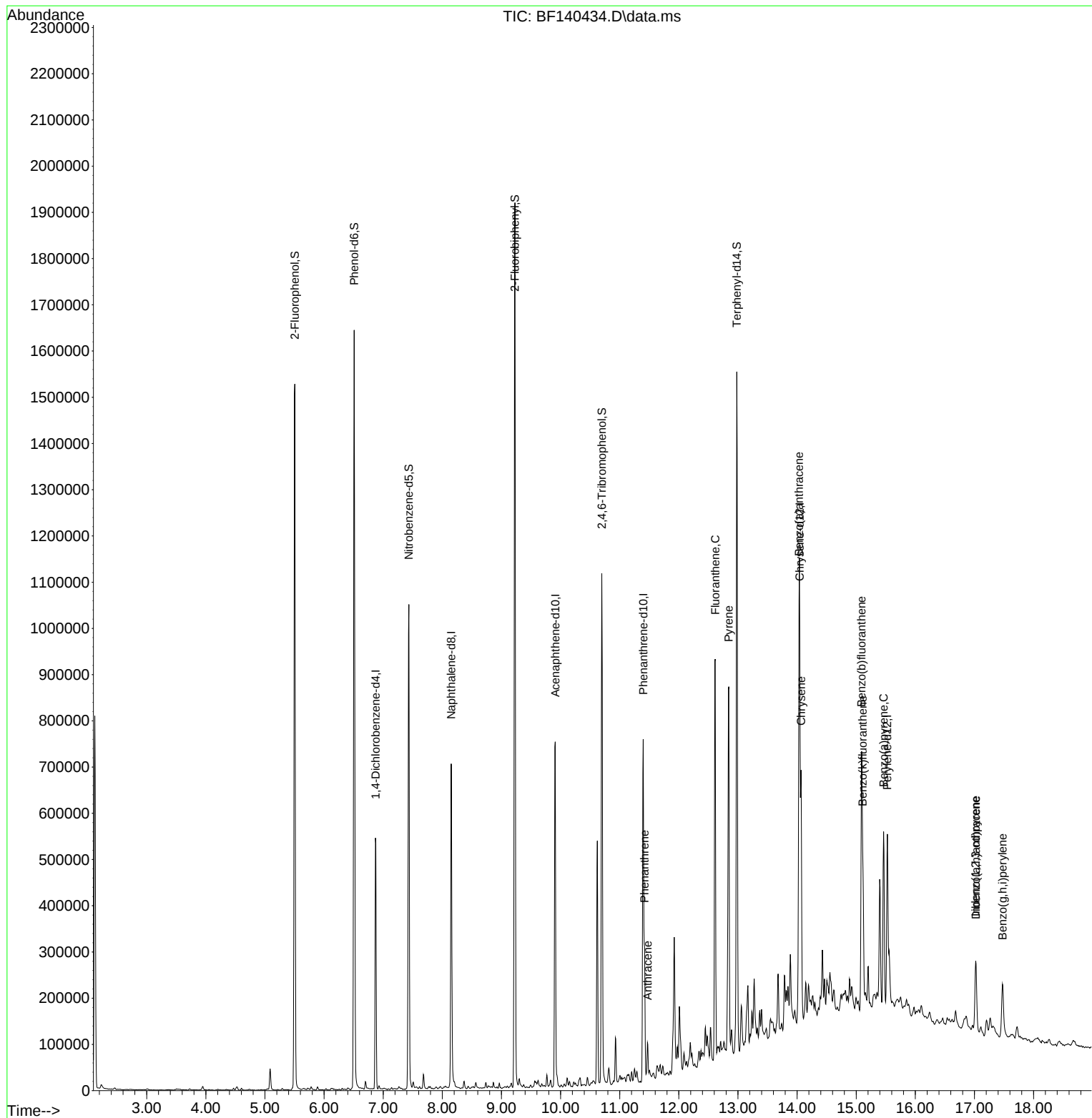
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140434.D
Acq On : 16 Nov 2024 17:08
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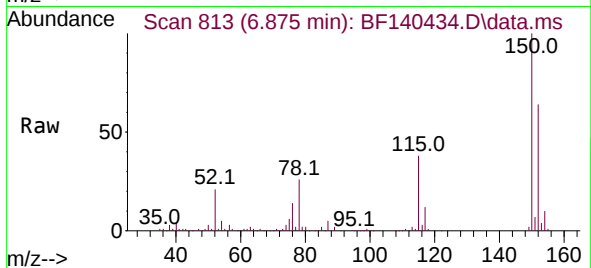
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

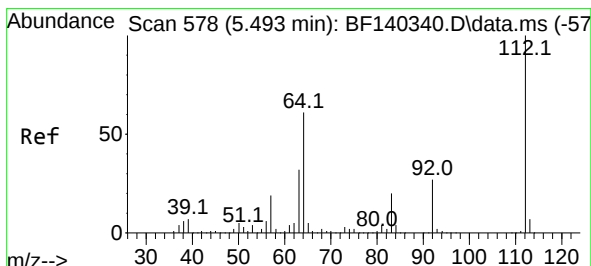
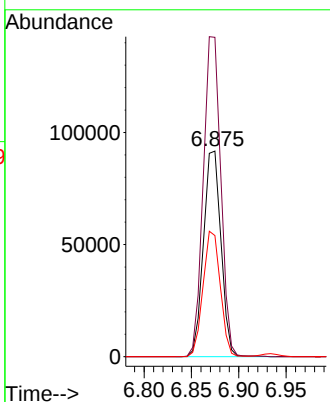
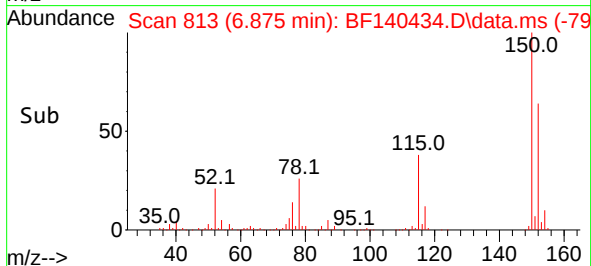
Instrument :
BNA_F
ClientSampleId :
MH-4



Tgt Ion:152 Resp: 117450
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.0
115 58.9 47.4 71.2

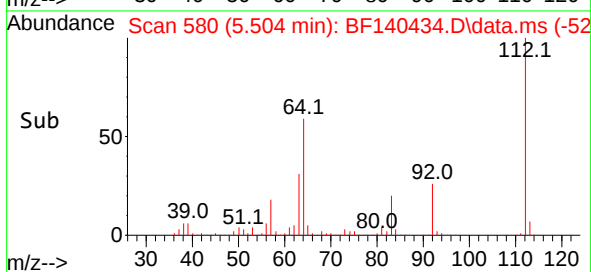
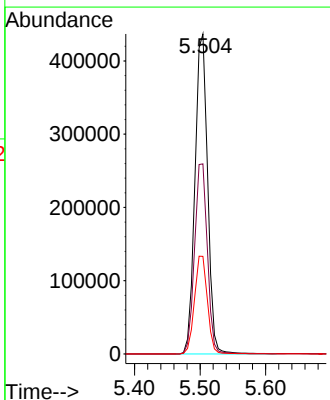
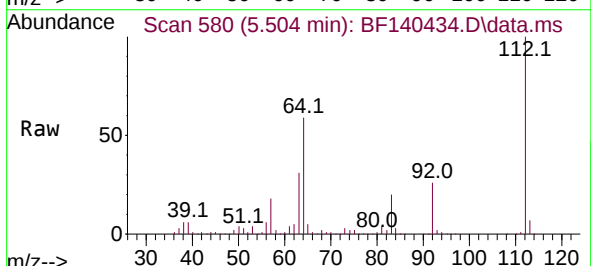
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#5
2-Fluorophenol
Concen: 85.546 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

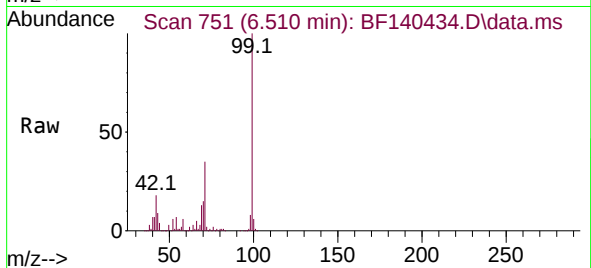
Tgt Ion:112 Resp: 588499
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 30.5 25.6 38.4





#7
Phenol-d6
Concen: 82.537 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

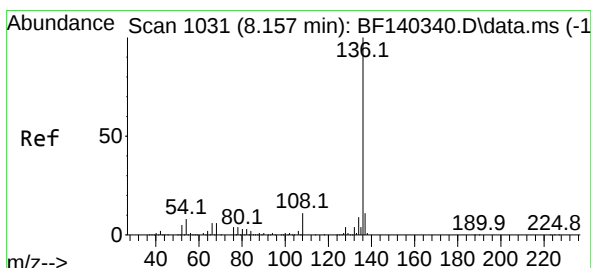
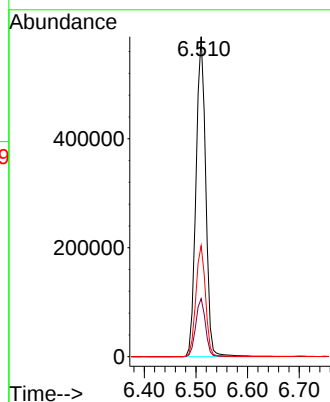
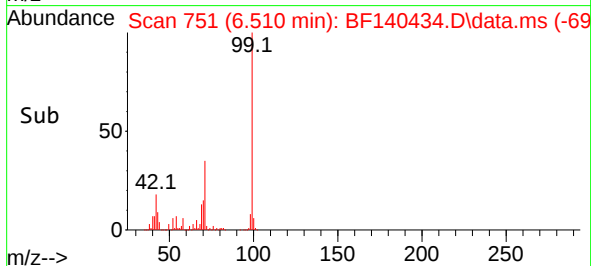
Instrument :
BNA_F
ClientSampleId :
MH-4



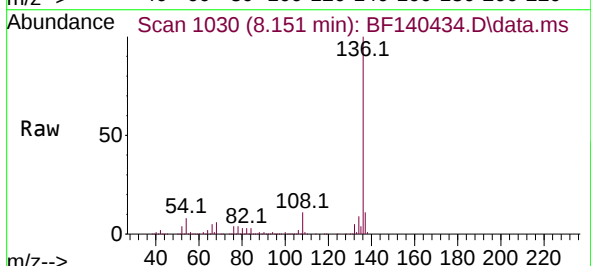
Tgt Ion: 99 Resp: 769274
Ion Ratio Lower Upper
99 100
42 18.2 15.1 22.7
71 34.7 27.9 41.9

Manual Integrations
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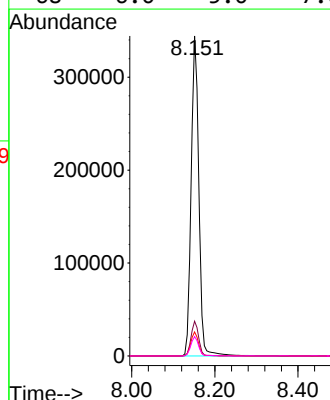
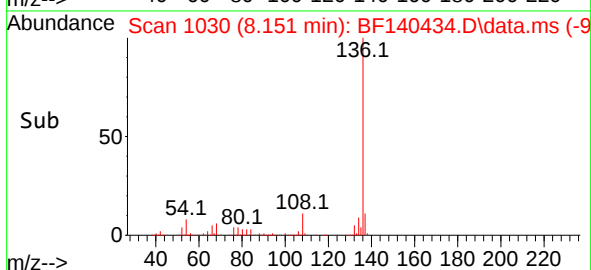
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08



Tgt Ion:136 Resp: 439698
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.5 6.5 9.7
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 57.771 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

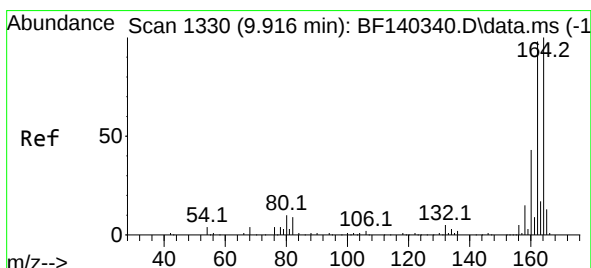
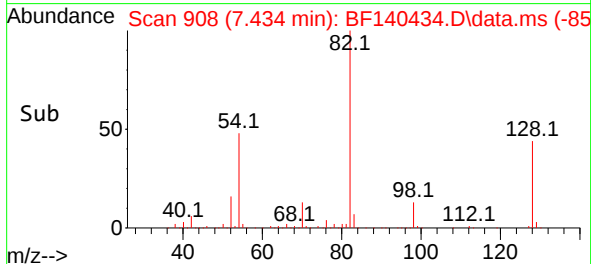
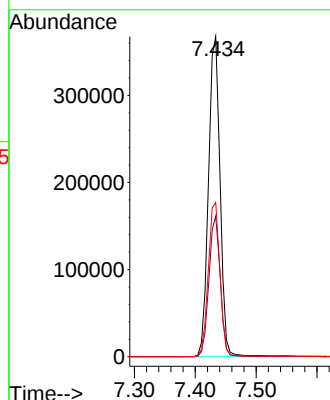
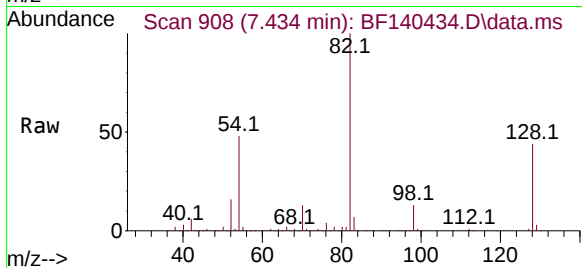
MH-4

Tgt Ion: 82 Resp: 487529
 Ion Ratio Lower Upper
 82 100
 128 43.9 33.3 49.9
 54 48.2 39.8 59.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

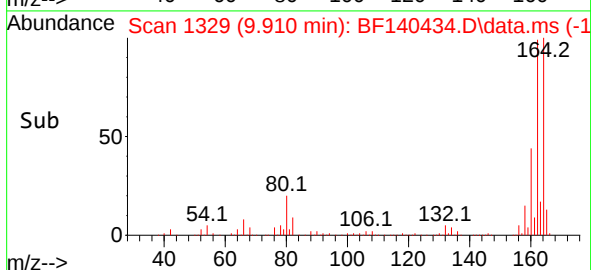
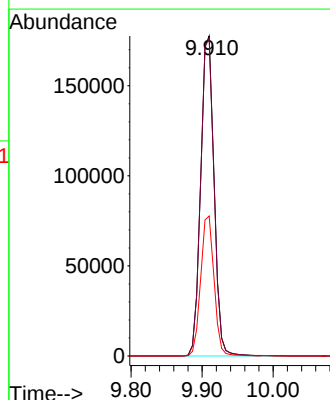
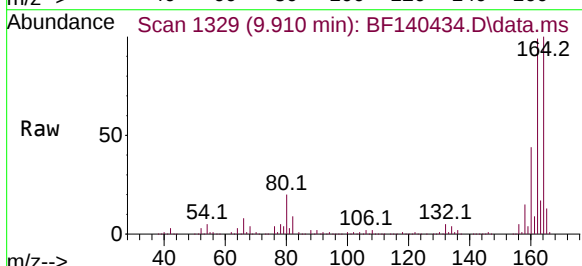
RT: 9.910 min Scan# 1329

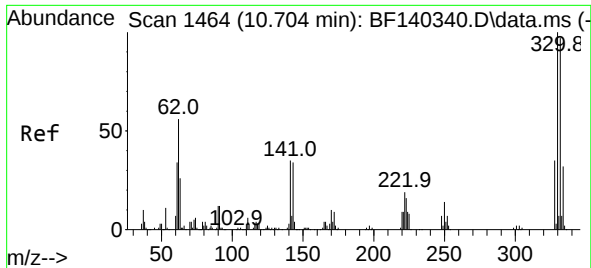
Delta R.T. -0.006 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

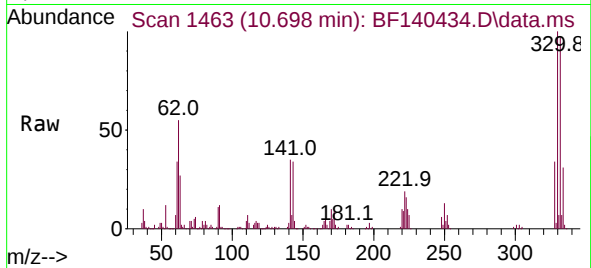
Tgt Ion:164 Resp: 233669
 Ion Ratio Lower Upper
 164 100
 162 99.2 79.8 119.8
 160 43.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 77.553 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

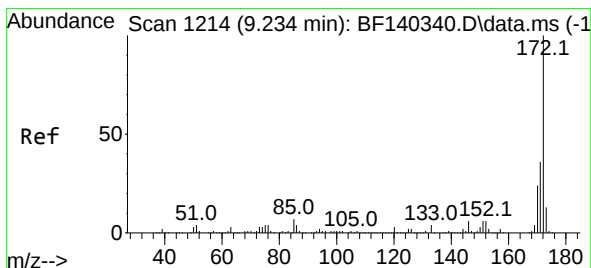
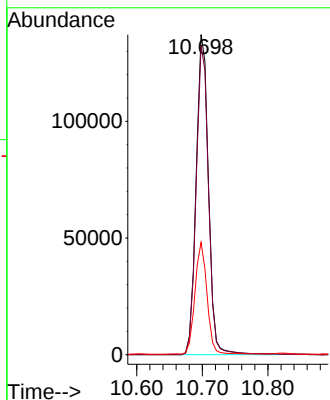
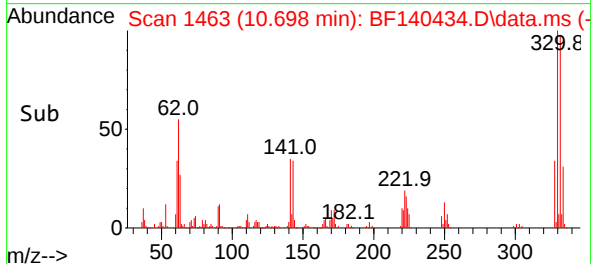
Instrument :
BNA_F
ClientSampleId :
MH-4



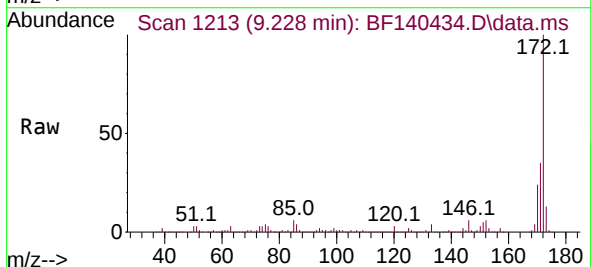
Tgt Ion: 330 Resp: 180200
Ion Ratio Lower Upper
330 100
332 96.5 75.9 113.9
141 33.9 26.9 40.3

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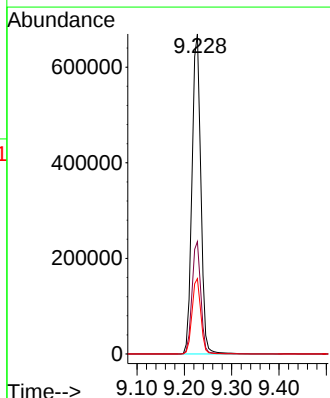
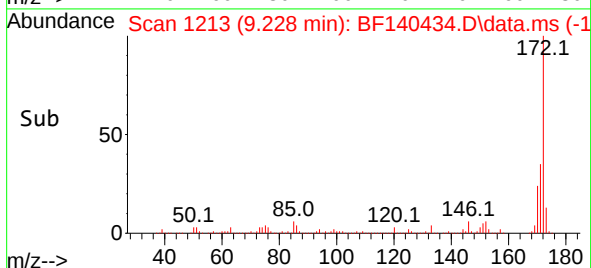
Reviewed By : Yogesh Patel 11/19/2024
Supervised By : mohammad ahmed 11/19/2024

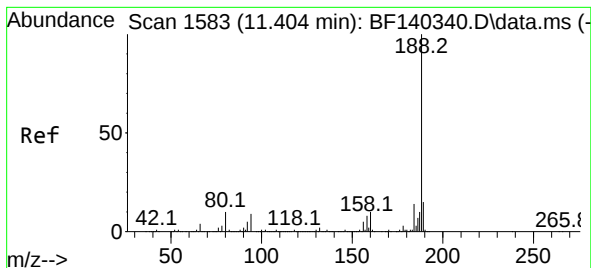


#45
2-Fluorobiphenyl
Concen: 59.767 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08



Tgt Ion: 172 Resp: 868756
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.6 19.1 28.7





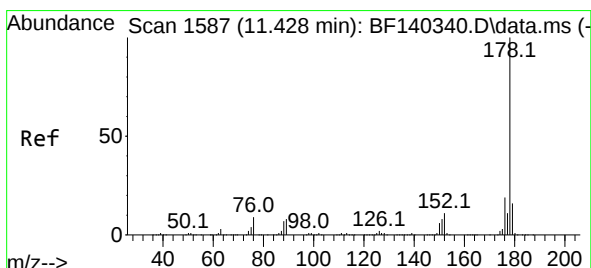
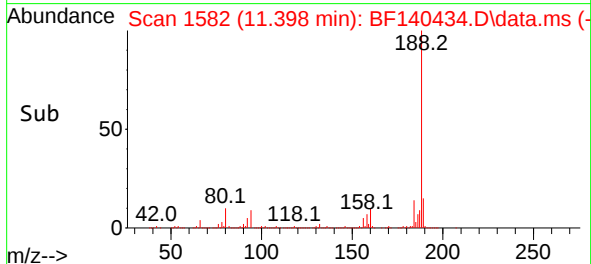
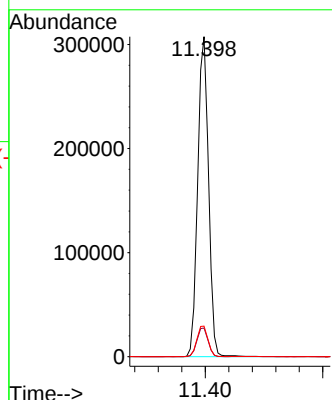
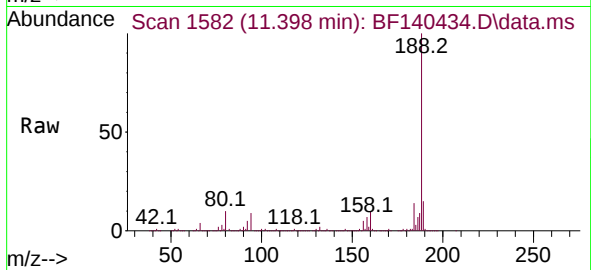
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion:188 Resp: 392979
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.5 8.0 12.0

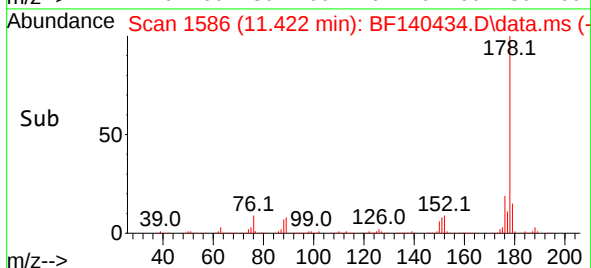
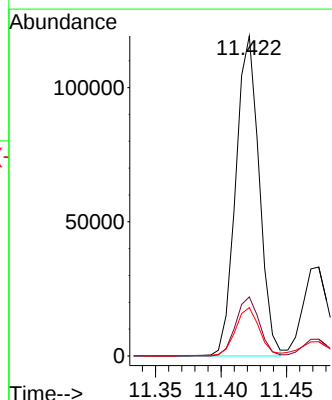
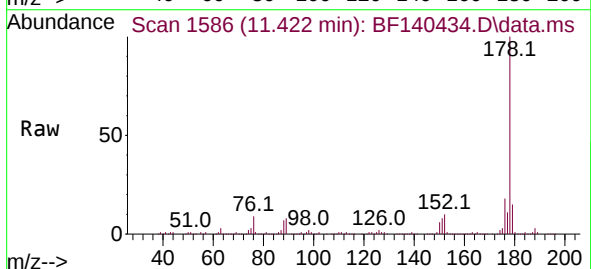
Manual Integrations
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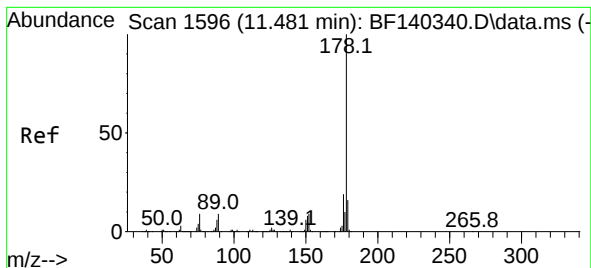
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#71
Phenanthrene
Concen: 8.024 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

Tgt Ion:178 Resp: 148135
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.1 12.4 18.6





#72

Anthracene

Concen: 2.437 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

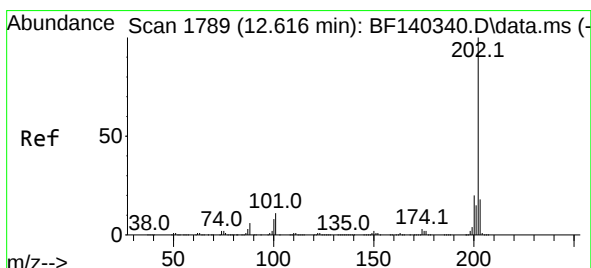
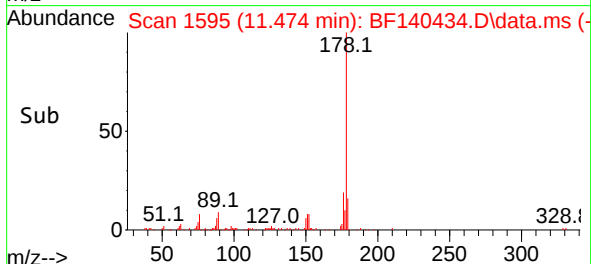
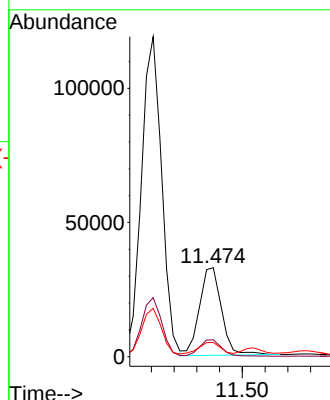
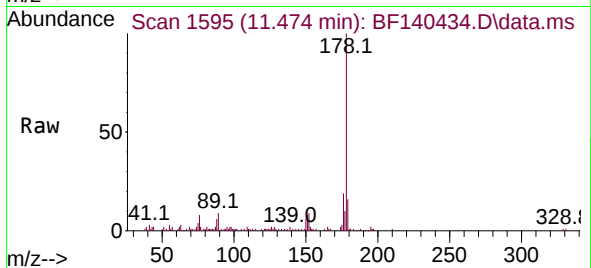
MH-4

Tgt Ion:178 Resp: 44089
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 16.0 12.6 18.8

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#75

Fluoranthene

Concen: 24.930 ng

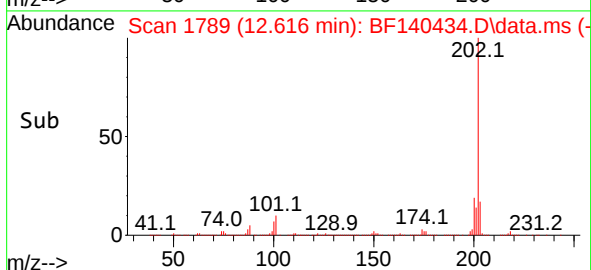
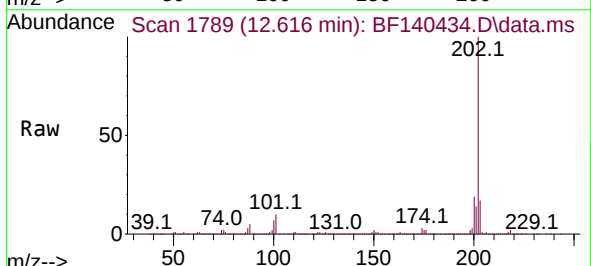
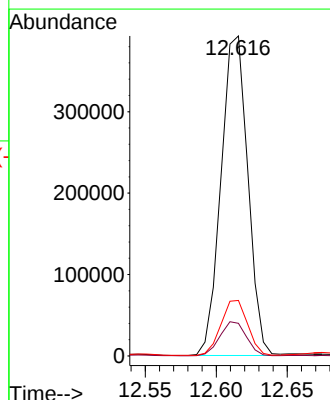
RT: 12.616 min Scan# 1789

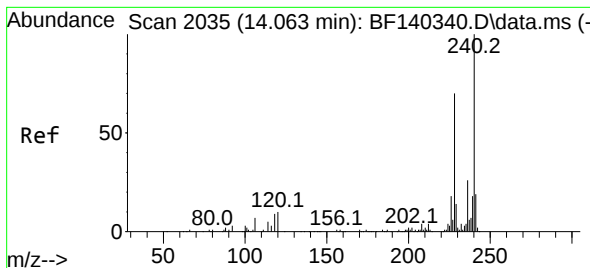
Delta R.T. -0.000 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Tgt Ion:202 Resp: 516328
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.7
 203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

MH-4

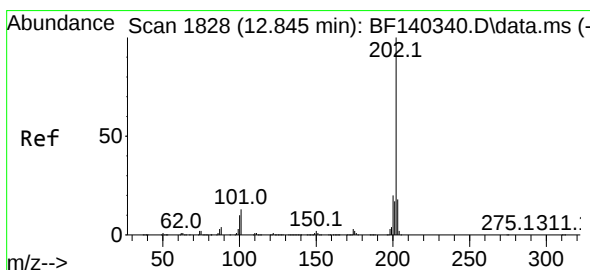
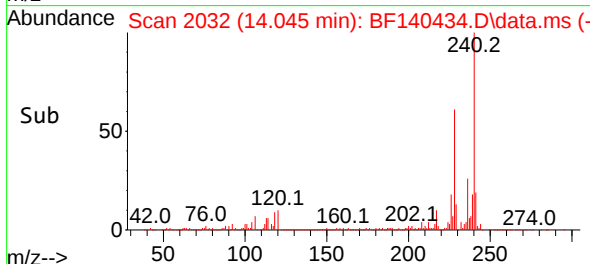
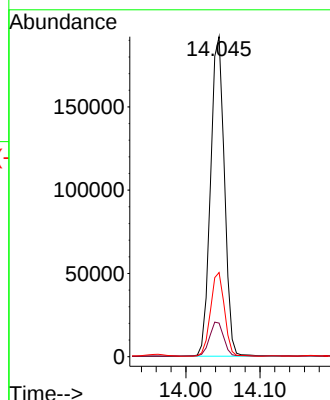
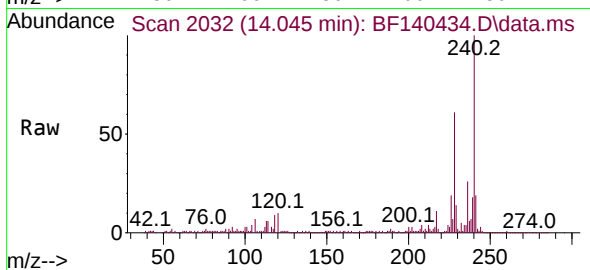
Tgt Ion:240 Resp: 249274
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.8 13.2
 236 26.3 20.9 31.3

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Supervised By :mohammad ahmed 11/19/2024



#78

Pyrene

Concen: 22.438 ng

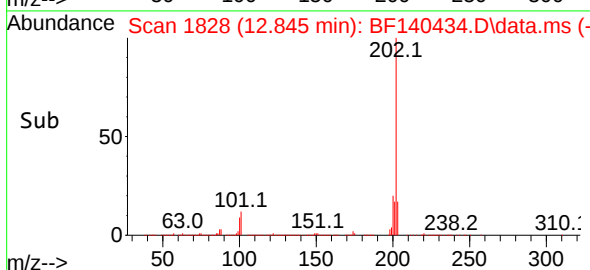
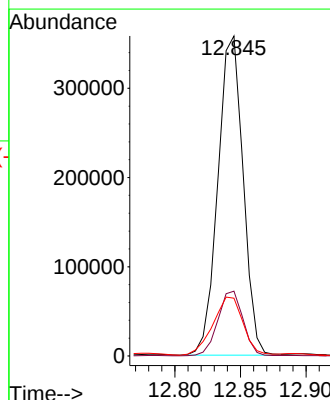
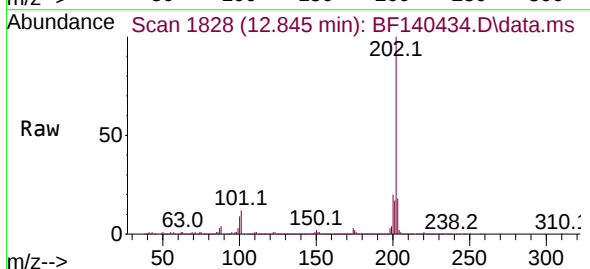
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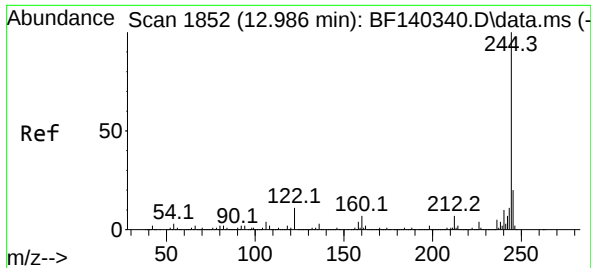
Delta R.T. -0.000 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Tgt Ion:202 Resp: 478427
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 18.0 14.2 21.4





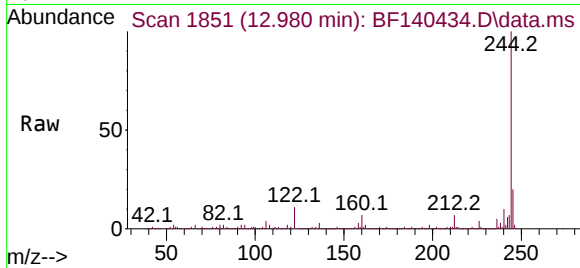
#79
 Terphenyl-d14
 Concen: 48.997 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140434.D
 Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

MH-4

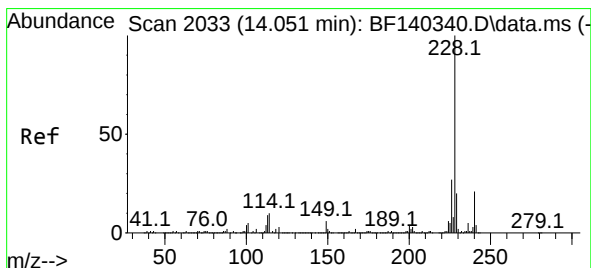
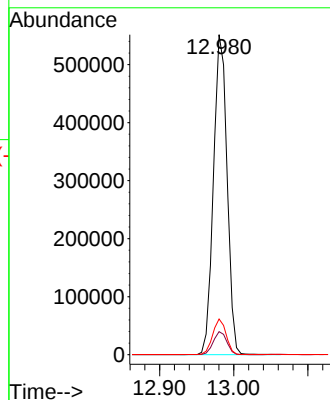
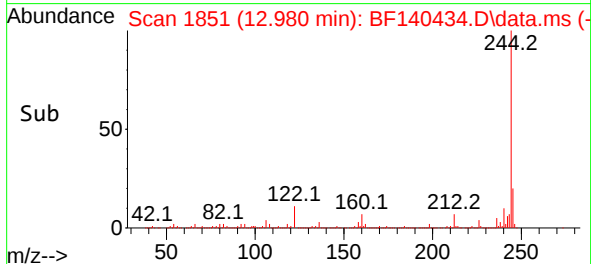


Tgt Ion:244 Resp: 703640
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.2 8.8 13.2

Manual Integrations

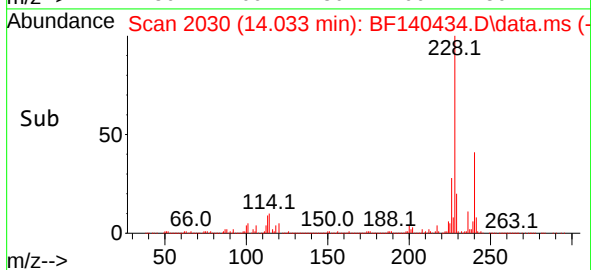
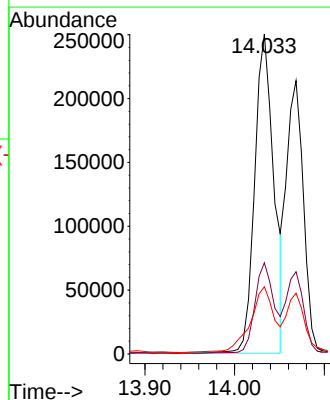
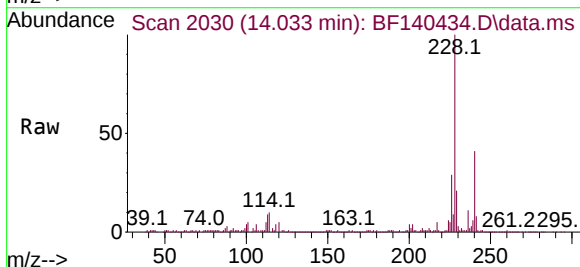
APPROVED

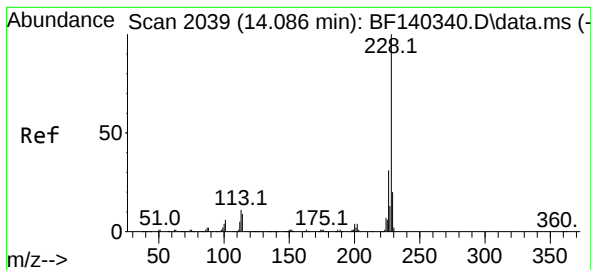
Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024



#81
 Benzo(a)anthracene
 Concen: 22.630 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140434.D
 Acq: 16 Nov 2024 17:08

Tgt Ion:228 Resp: 370746
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.2 33.4
 229 21.0 15.8 23.6





#83

Chrysene

Concen: 18.613 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

MH-4

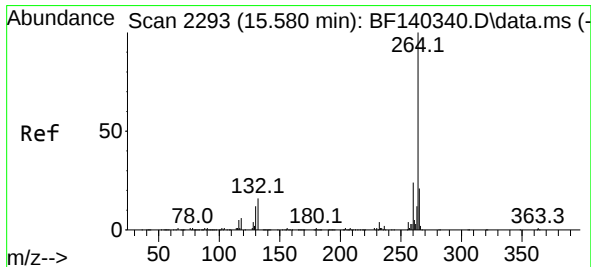
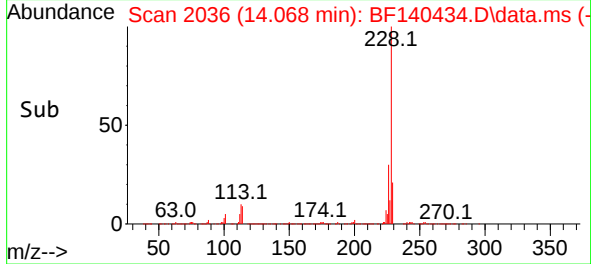
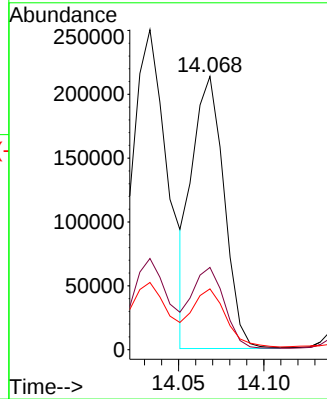
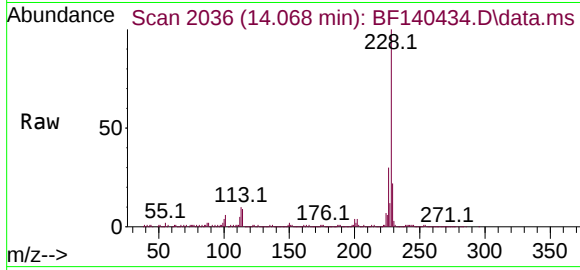
Tgt Ion:228	Resp: 27822
Ion Ratio	Lower Upper
228 100	
226 30.1	24.5 36.7
229 22.3	16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#86

Perylene-d12

Concen: 20.000 ng

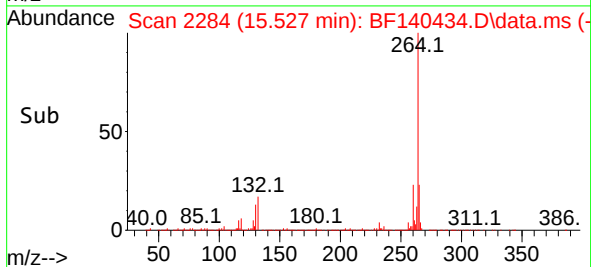
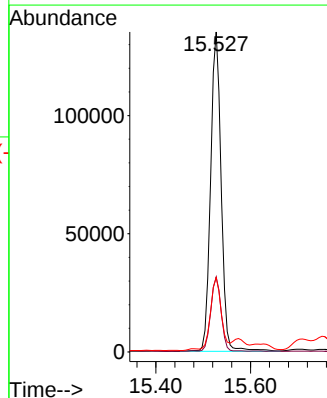
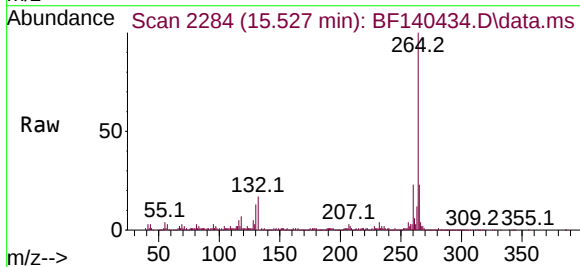
RT: 15.527 min Scan# 2284

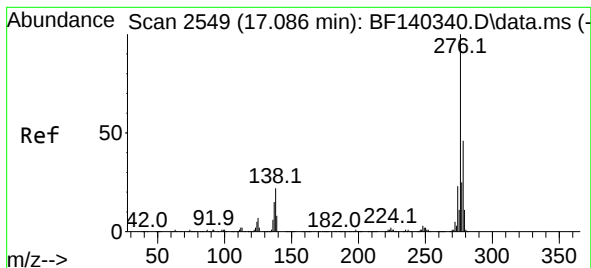
Delta R.T. -0.030 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Tgt Ion:264	Resp: 209355
Ion Ratio	Lower Upper
264 100	
260 23.5	19.2 28.8
265 23.2	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.826 ng

RT: 17.021 min Scan# 2110

Delta R.T. -0.035 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

MH-4

Tgt Ion:276 Resp: 11414

Ion Ratio Lower Upper

276 100

138 19.8 18.8 28.2

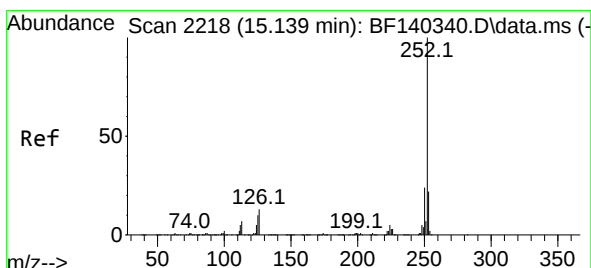
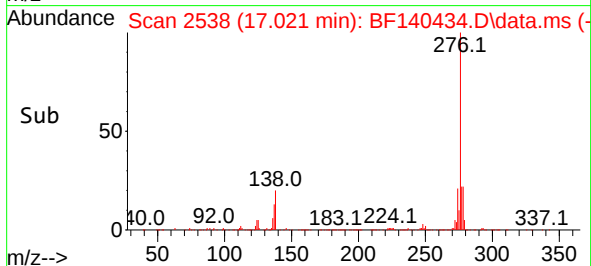
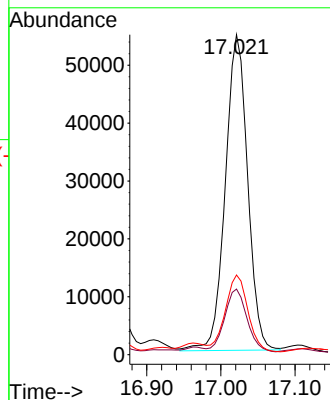
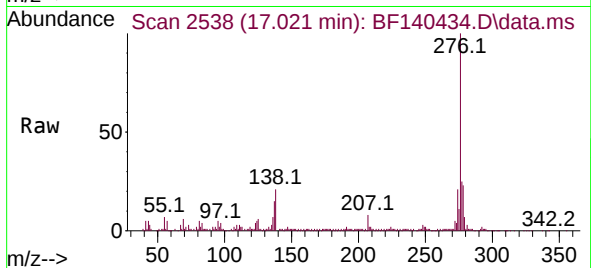
277 24.7 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#88

Benzo(b)fluoranthene

Concen: 26.920 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

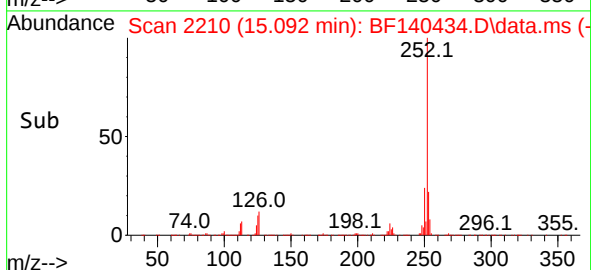
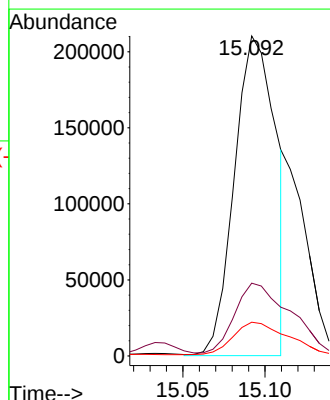
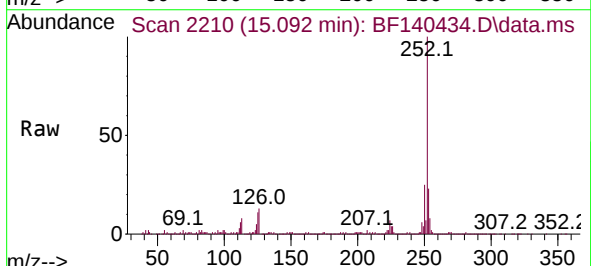
Tgt Ion:252 Resp: 368673

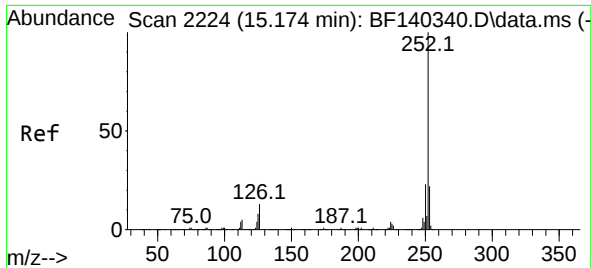
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

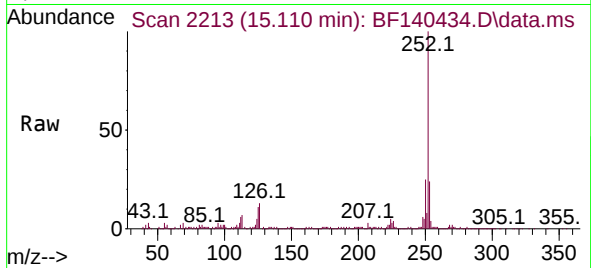
125 10.6 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 10.615 ng m
RT: 15.110 min Scan# 2110
Delta R.T. -0.041 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

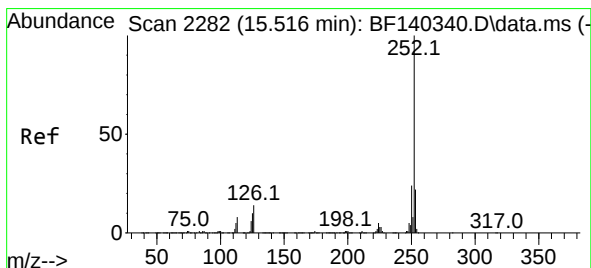
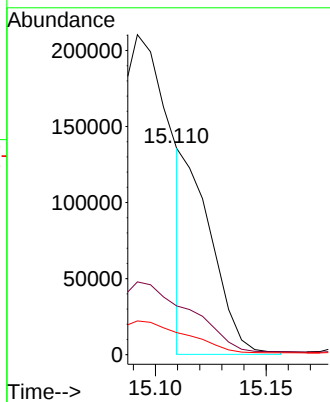
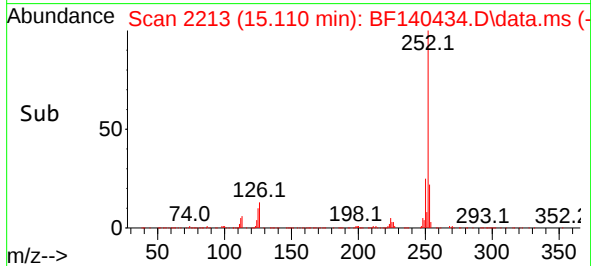
Instrument :
BNA_F
ClientSampleId :
MH-4



Tgt Ion:252 Resp: 118764
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 10.7 7.4 11.2

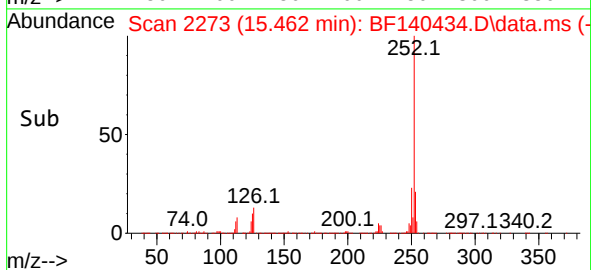
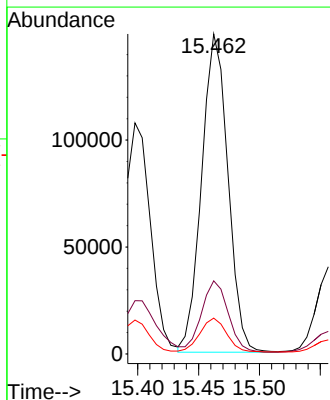
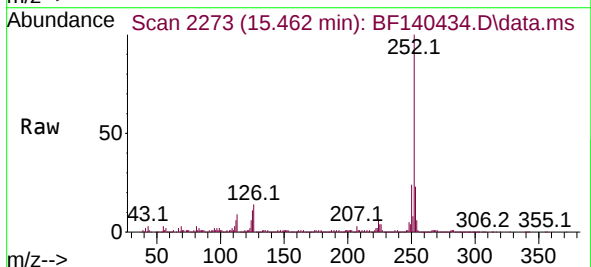
Manual Integrations
APPROVED

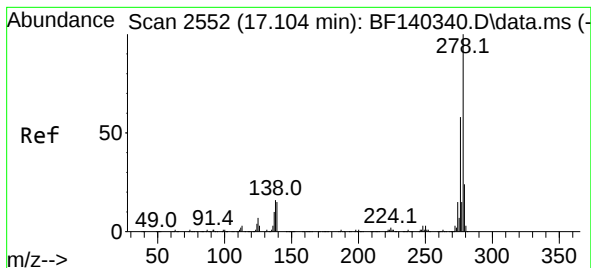
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#90
Benzo(a)pyrene
Concen: 21.062 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.030 min
Lab File: BF140434.D
Acq: 16 Nov 2024 17:08

Tgt Ion:252 Resp: 224000
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 11.2 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.894 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Instrument :

BNA_F

ClientSampleId :

MH-4

Tgt Ion:278 Resp: 30934

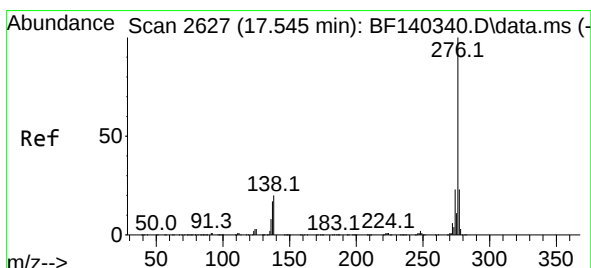
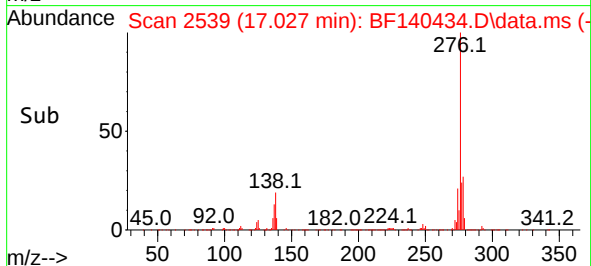
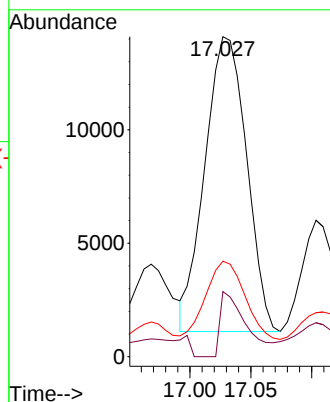
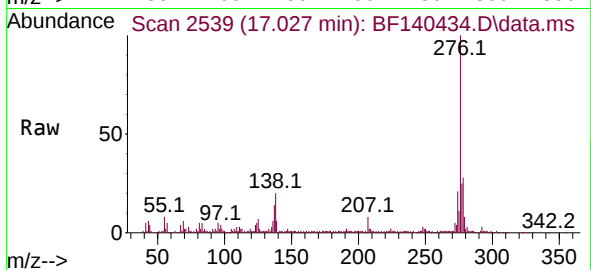
Ion	Ratio	Lower	Upper
278	100		
139	20.4	11.8	17.8
279	29.9	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#92

Benzo(g,h,i)perylene

Concen: 9.538 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.041 min

Lab File: BF140434.D

Acq: 16 Nov 2024 17:08

Tgt Ion:276 Resp: 104242

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	20.9	16.0	24.0

