

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140276.D
 Acq On : 07 Nov 2024 15:46
 Operator : RC/JU
 Sample : P4707-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-110424

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 07 16:29:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	131850	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	488380	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	267166	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	390269	20.000	ng	0.00
76) Chrysene-d12	14.051	240	279355	20.000	ng	-0.01
86) Perylene-d12	15.539	264	250298	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	647448	81.377	ng	0.00
7) Phenol-d6	6.498	99	821993	80.323	ng	0.00
23) Nitrobenzene-d5	7.433	82	547743	55.762	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	199888	75.692	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1025157	61.272	ng	0.00
79) Terphenyl-d14	12.992	244	844361	49.513	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	103653	5.565	ng	98
75) Fluoranthene	12.615	202	243419	12.499	ng	99
78) Pyrene	12.845	202	222899	9.664	ng	98
81) Benzo(a)anthracene	14.039	228	154378	8.611	ng	96
83) Chrysene	14.074	228	129153	7.693	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	63787	4.342	ng	96
88) Benzo(b)fluoranthene	15.104	252	167019m	11.032	ng	
89) Benzo(k)fluoranthene	15.115	252	69439m	4.998	ng	
90) Benzo(a)pyrene	15.474	252	121882	9.764	ng	98
92) Benzo(g,h,i)perylene	17.492	276	59737	4.844	ng	98

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

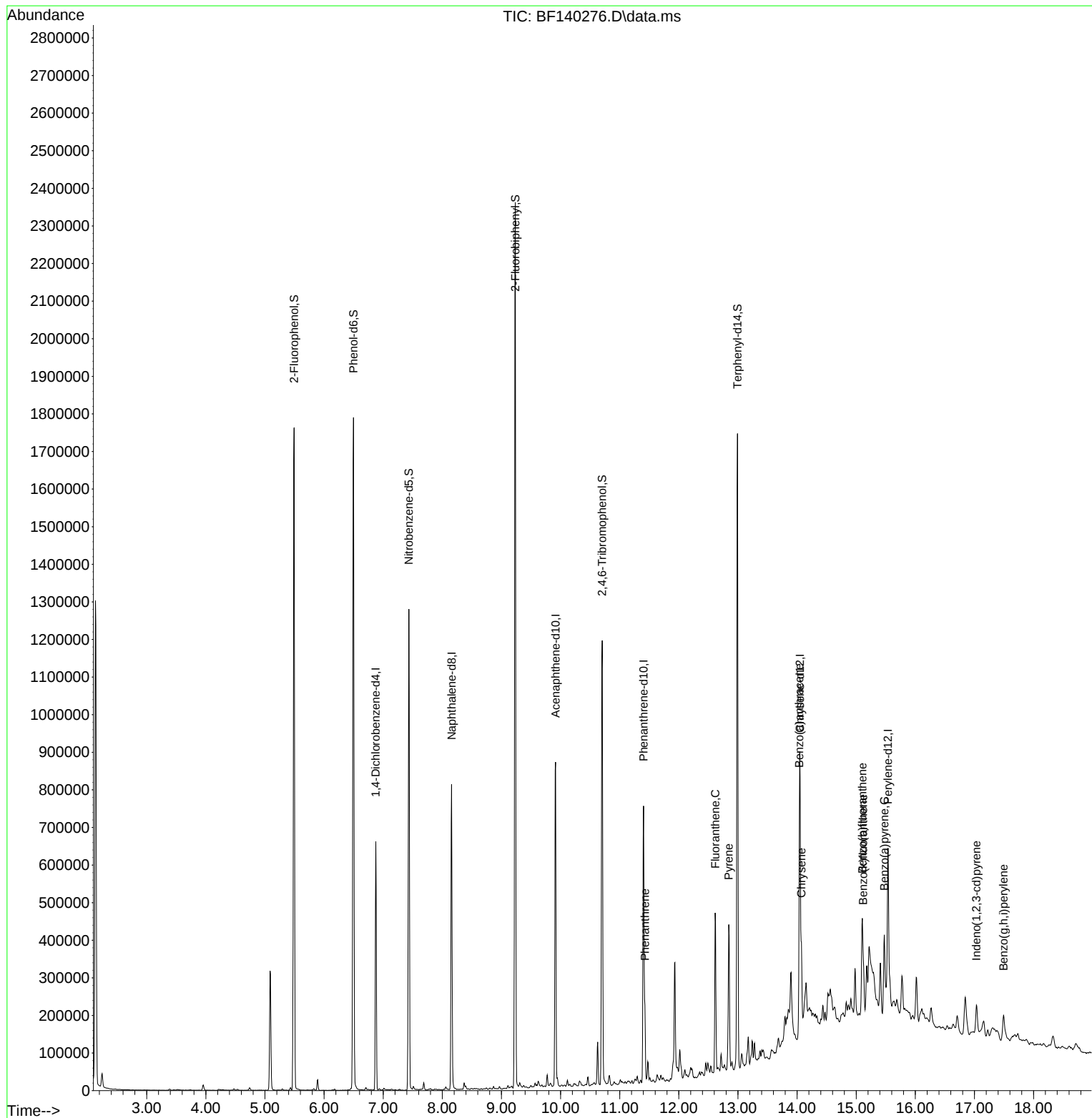
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140276.D
Acq On : 07 Nov 2024 15:46
Operator : RC/JU
Sample : P4707-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

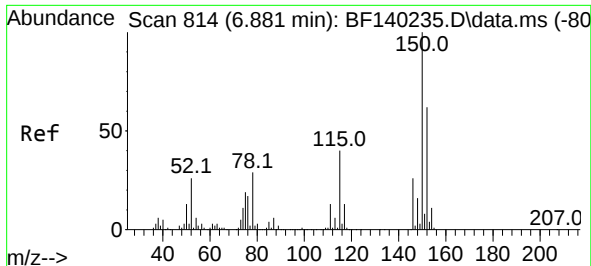
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

Quant Time: Nov 07 16:29:48 2024
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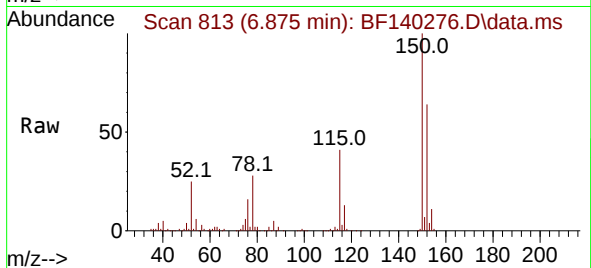
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424



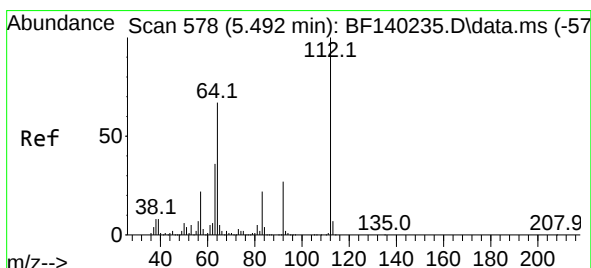
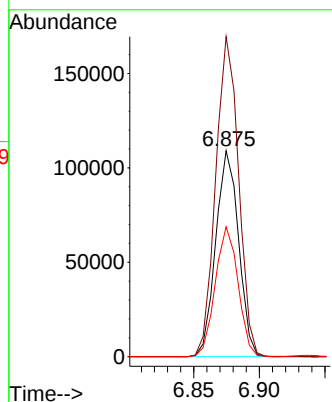
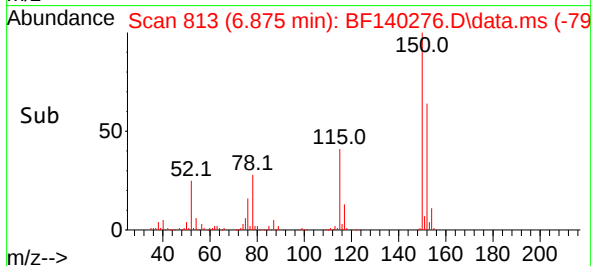
Tgt Ion:152 Resp: 131850
Ion Ratio Lower Upper
152 100
150 155.4 129.4 194.2
115 63.0 51.5 77.3

Manual Integrations

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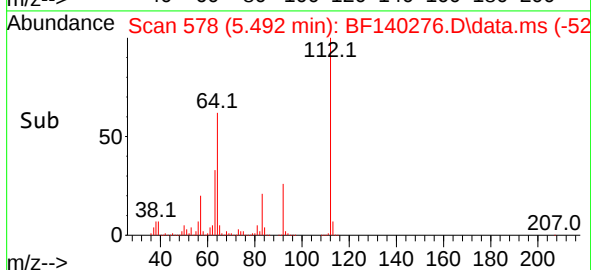
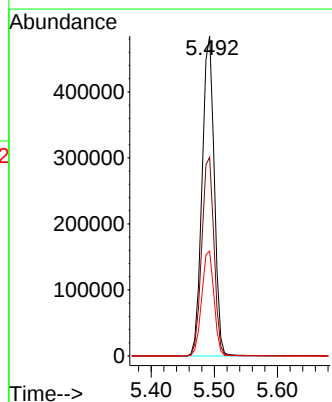
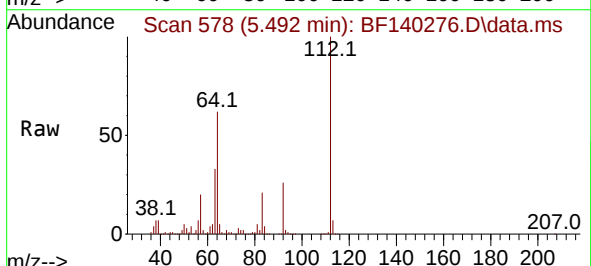
Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 81.377 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

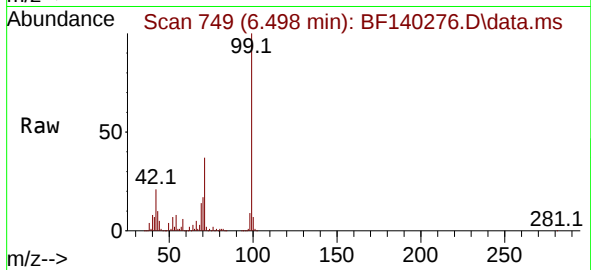
Tgt Ion:112 Resp: 647448
Ion Ratio Lower Upper
112 100
64 62.1 53.4 80.2
63 32.8 28.9 43.3





#7
Phenol-d6
Concen: 80.323 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

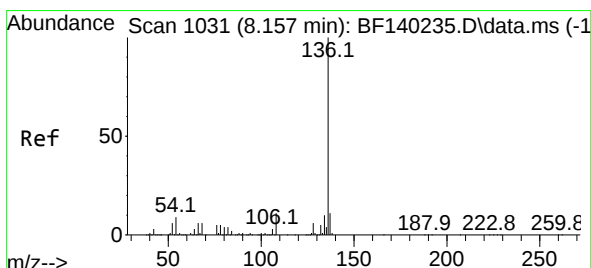
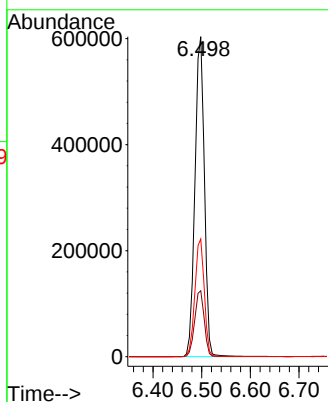
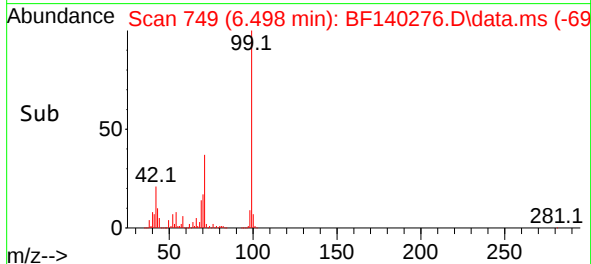
Instrument :
BNA_F
ClientSampleId :
HD-02-110424



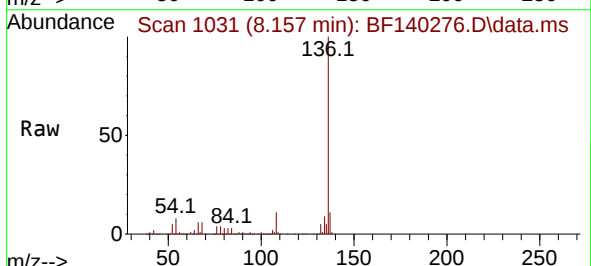
Tgt Ion: 99 Resp: 82199
Ion Ratio Lower Upper
99 100
42 20.6 18.2 27.2
71 36.8 30.9 46.3

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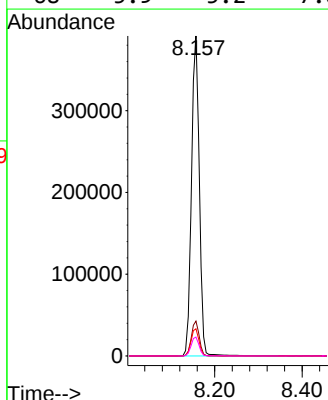
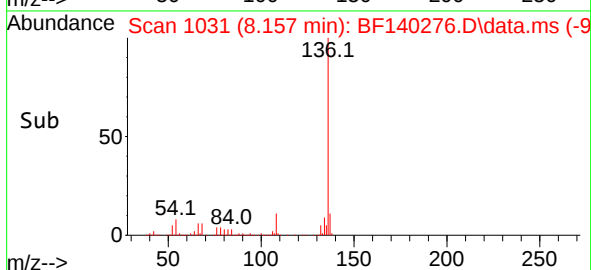
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

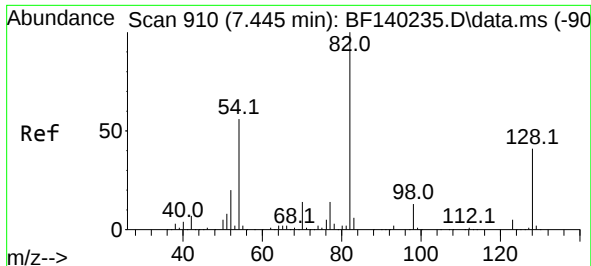


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46



Tgt Ion:136 Resp: 488380
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.5 7.7 11.5
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 55.762 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424

Tgt Ion: 82 Resp: 54774

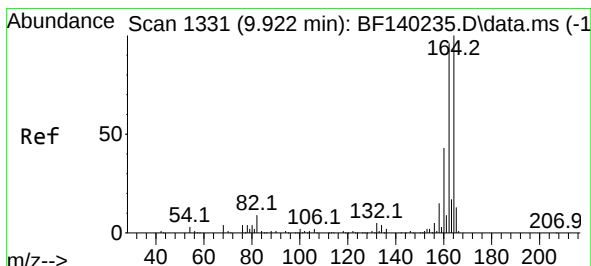
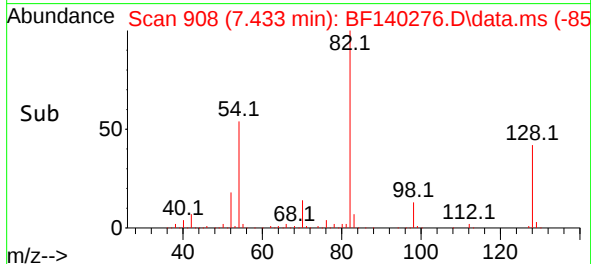
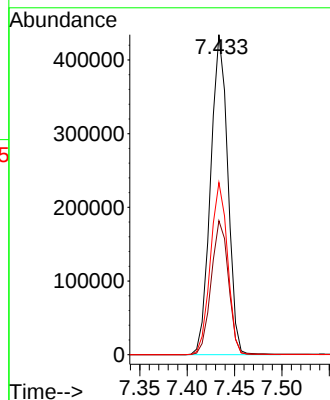
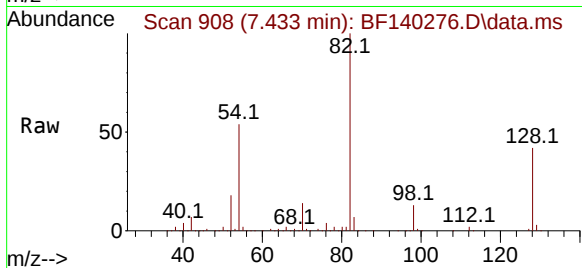
Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.8	49.2
54	53.8	44.3	66.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

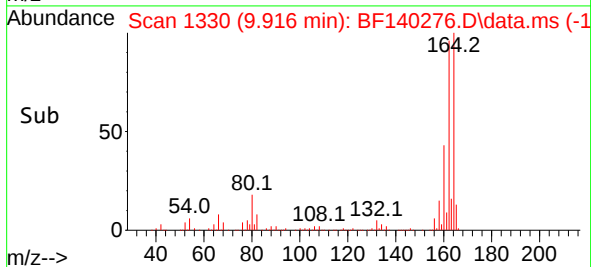
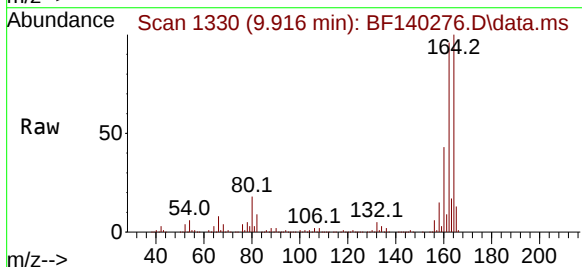
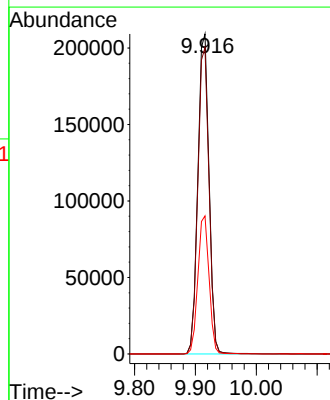
Delta R.T. -0.006 min

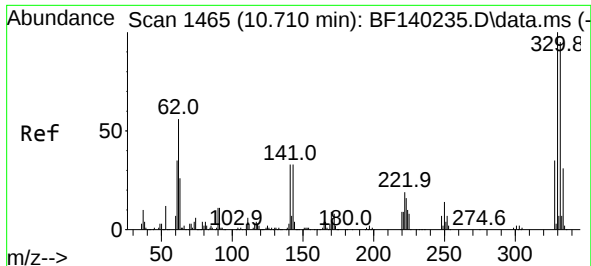
Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

Tgt Ion:164 Resp: 267166

Ion	Ratio	Lower	Upper
164	100		
162	95.7	77.0	115.4
160	43.1	34.1	51.1





#42
2,4,6-Tribromophenol
Concen: 75.692 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

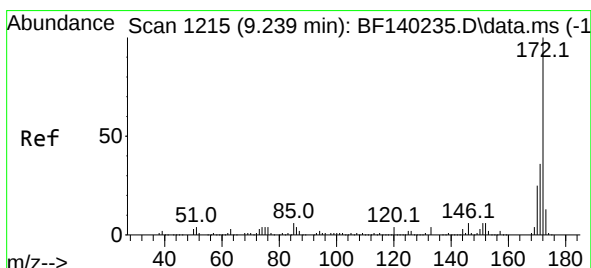
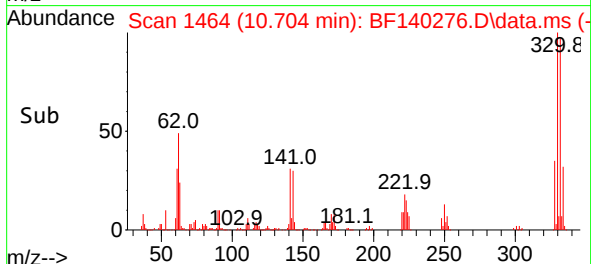
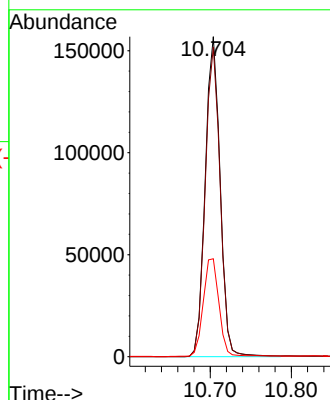
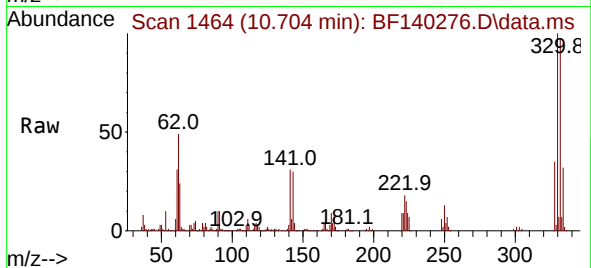
ClientSampleId :

HD-02-110424

Tgt Ion:330 Resp: 19988
Ion Ratio Lower Upper
330 100
332 97.0 76.4 114.6
141 32.9 27.0 40.4

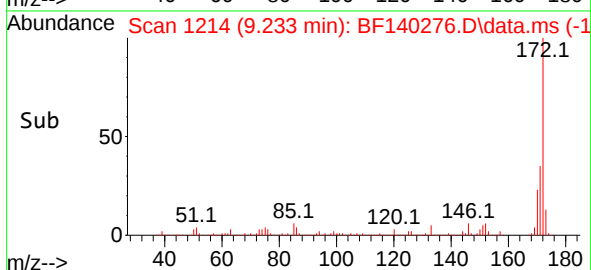
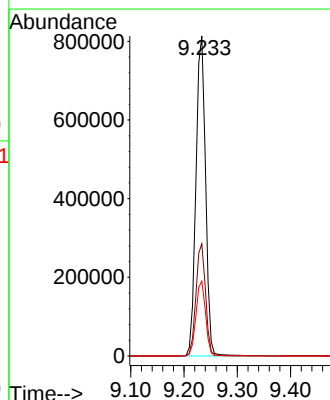
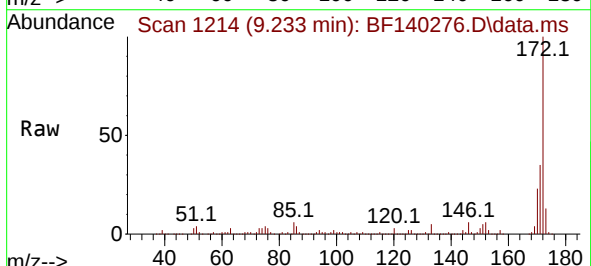
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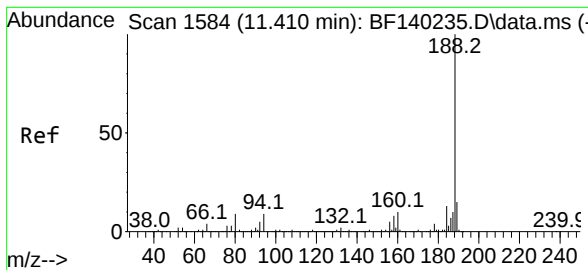
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#45
2-Fluorobiphenyl
Concen: 61.272 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

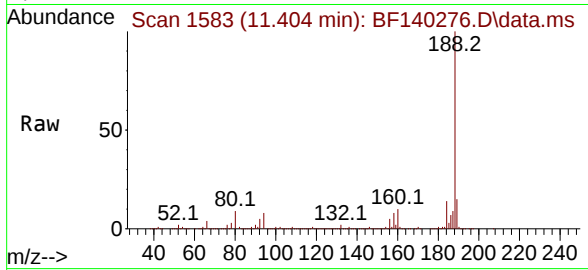
Tgt Ion:172 Resp: 1025157
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.4 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

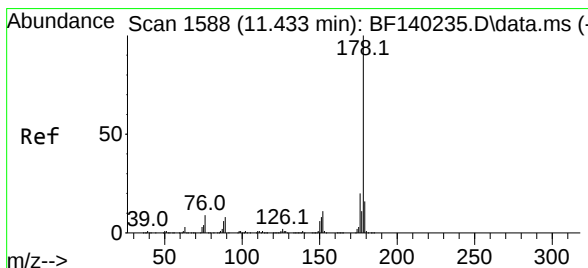
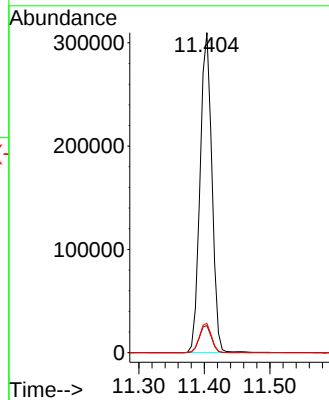
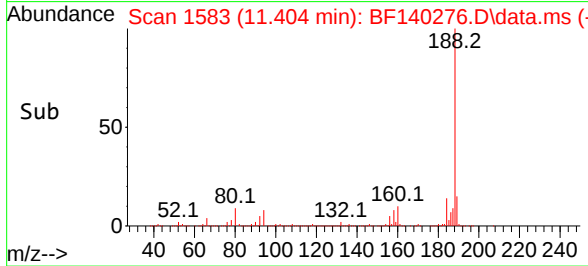
Instrument :
BNA_F
ClientSampleId :
HD-02-110424



Tgt Ion:188 Resp: 390269
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.2 7.5 11.3

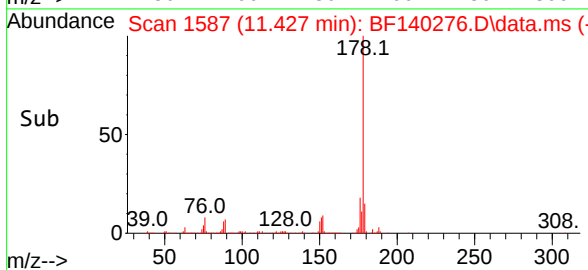
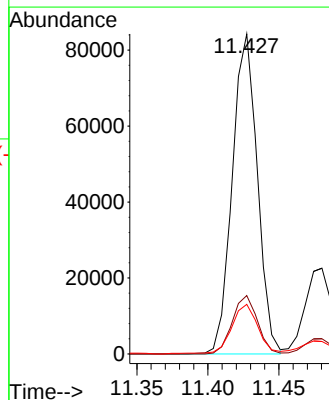
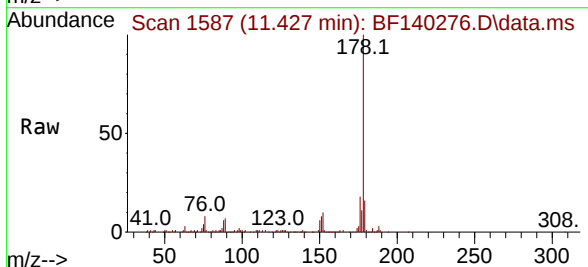
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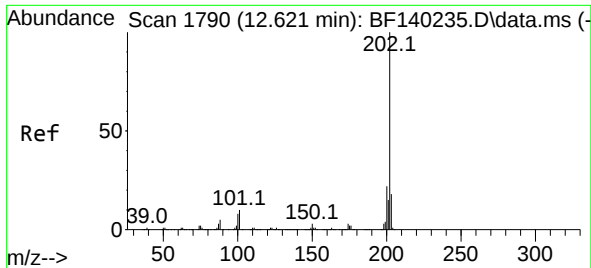
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 5.565 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

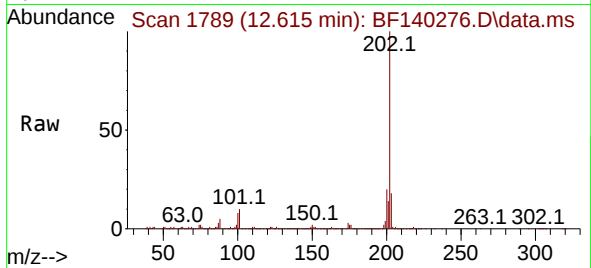
Tgt Ion:178 Resp: 103653
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.5 12.6 18.8





#75
Fluoranthene
Concen: 12.499 ng
RT: 12.615 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

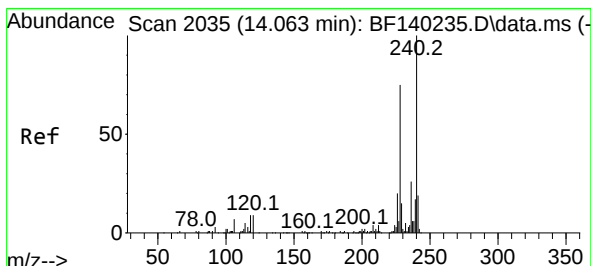
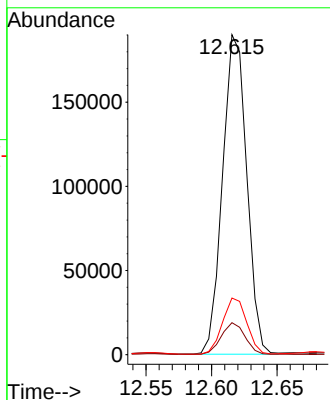
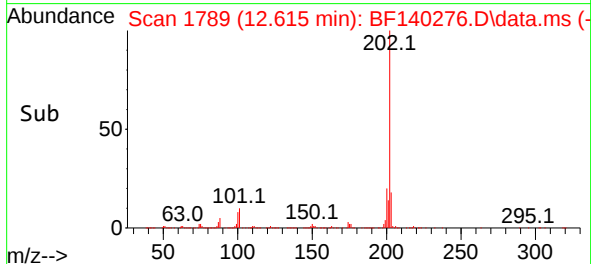
Instrument :
BNA_F
ClientSampleId :
HD-02-110424



Tgt Ion:202 Resp: 243419
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
203 17.7 0.0 38.0

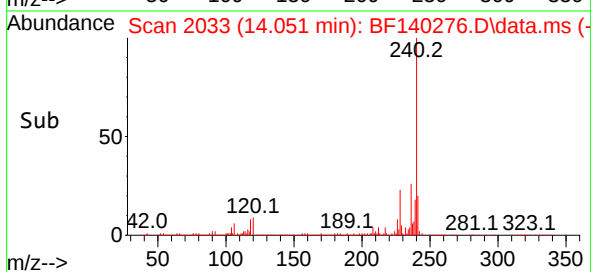
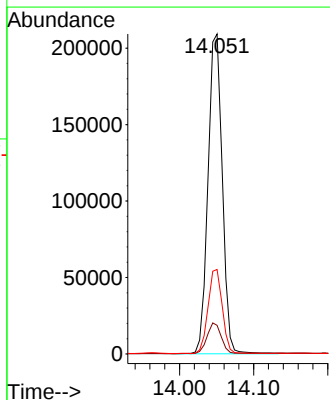
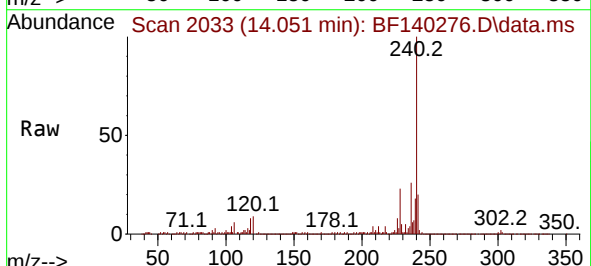
Manual Integrations
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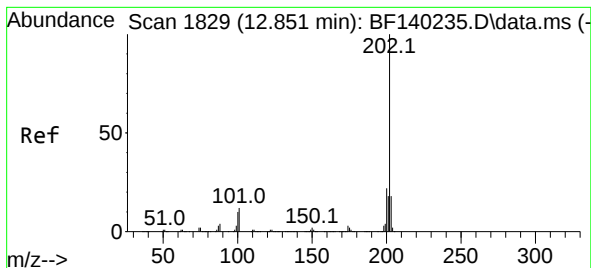
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:240 Resp: 279355
Ion Ratio Lower Upper
240 100
120 9.0 7.5 11.3
236 26.4 20.9 31.3





#78

Pyrene

Concen: 9.664 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424

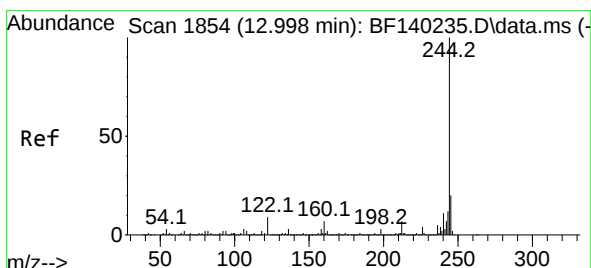
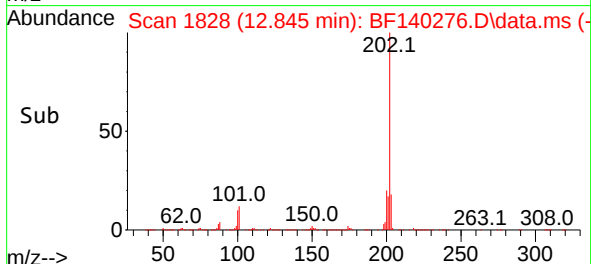
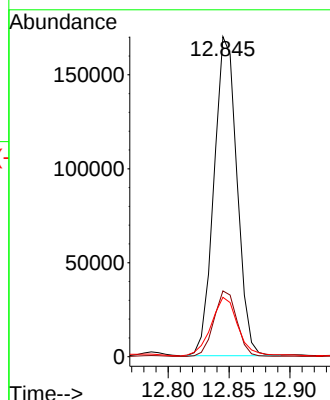
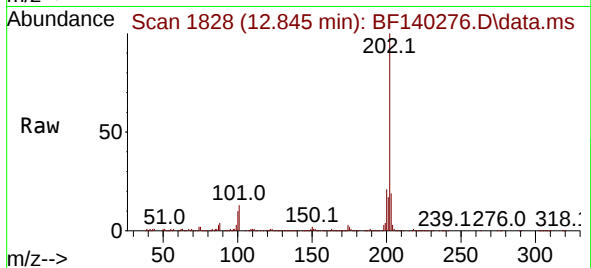
Tgt Ion:202 Resp: 222895
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.5 26.3
 203 18.6 14.4 21.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#79

Terphenyl-d14

Concen: 49.513 ng

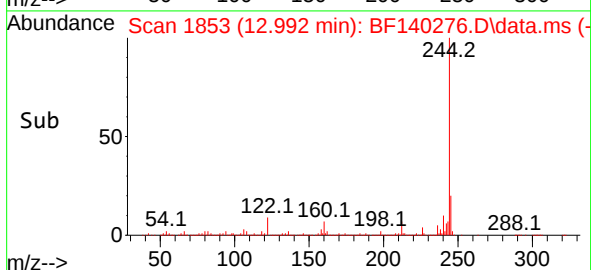
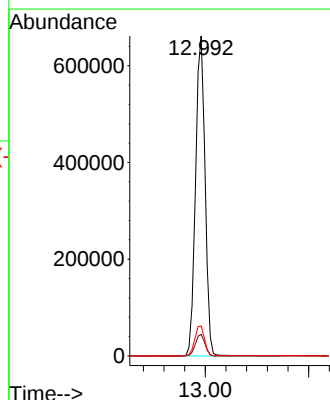
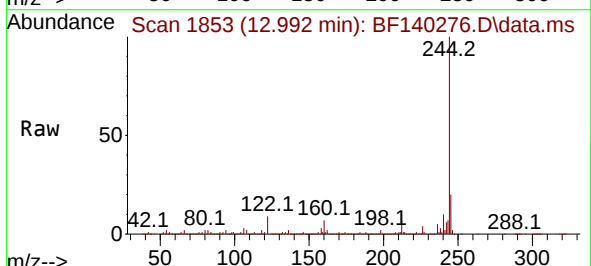
RT: 12.992 min Scan# 1853

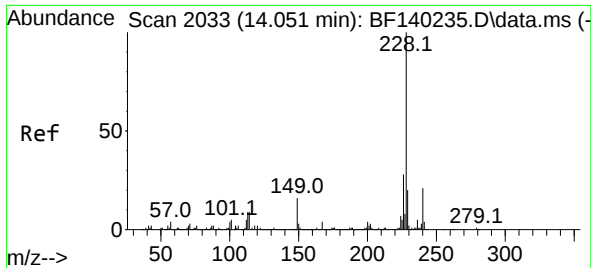
Delta R.T. -0.006 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

Tgt Ion:244 Resp: 844361
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.3 7.6 11.4





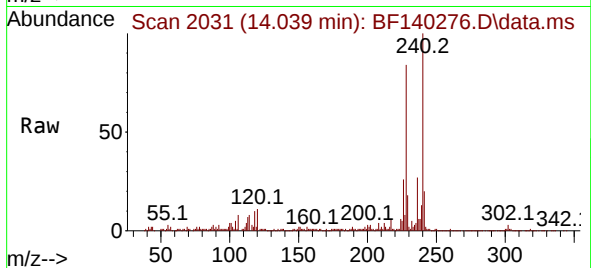
#81
Benzo(a)anthracene
Concen: 8.611 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424



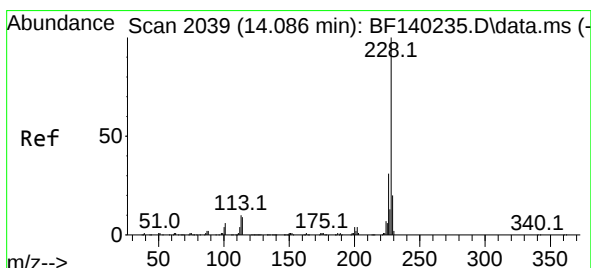
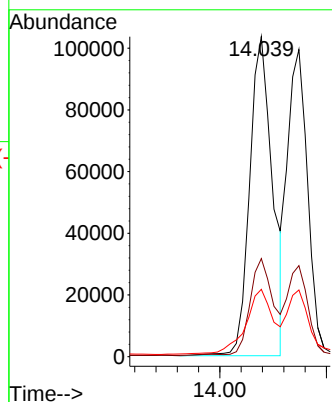
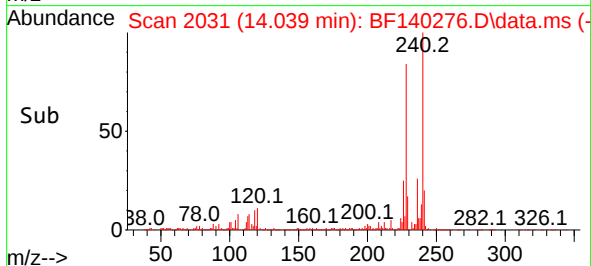
Tgt Ion:228 Resp: 154378
Ion Ratio Lower Upper
228 100
226 30.6 22.3 33.5
229 21.0 16.1 24.1

Manual Integrations

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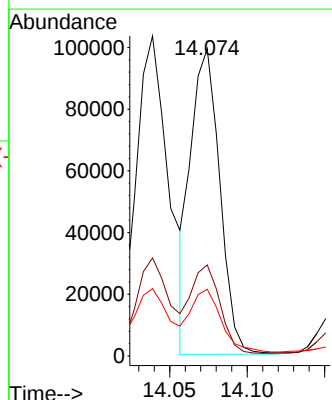
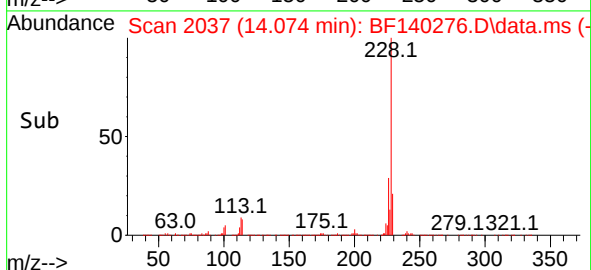
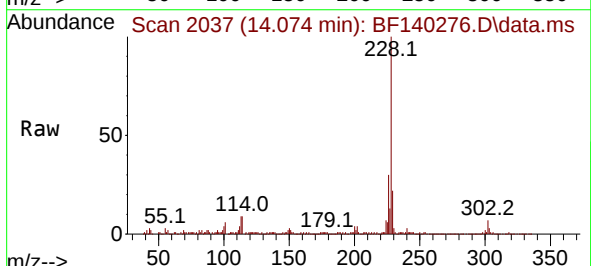
Reviewed By :Yogesh Patel 11/08/2024

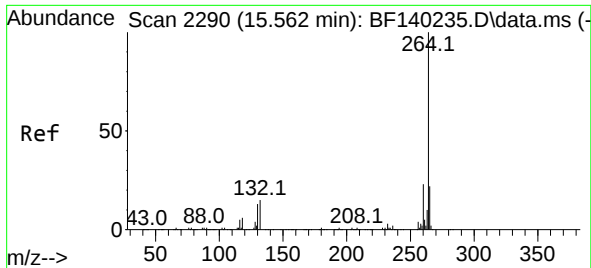
Supervised By :mohammad ahmed 11/11/2024



#83
Chrysene
Concen: 7.693 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:228 Resp: 129153
Ion Ratio Lower Upper
228 100
226 29.6 24.6 36.8
229 21.7 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF140276.D
 Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

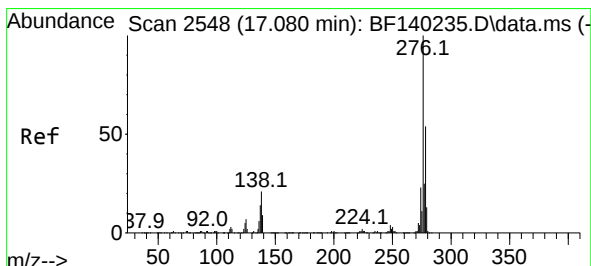
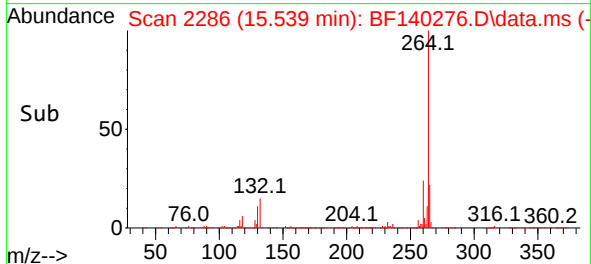
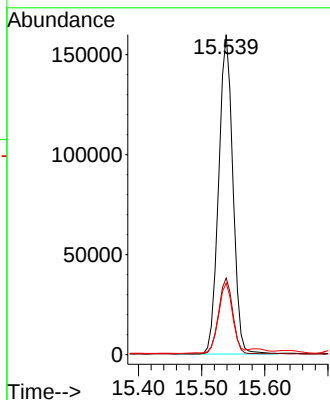
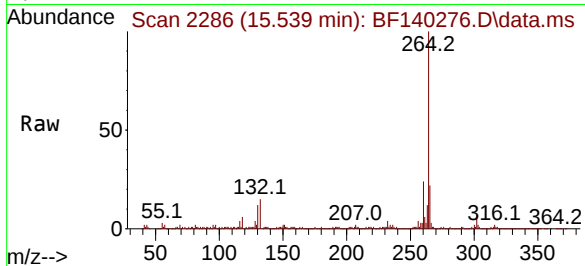
ClientSampleId :

HD-02-110424

Tgt Ion:264 Resp: 250298
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 22.4 17.3 25.9

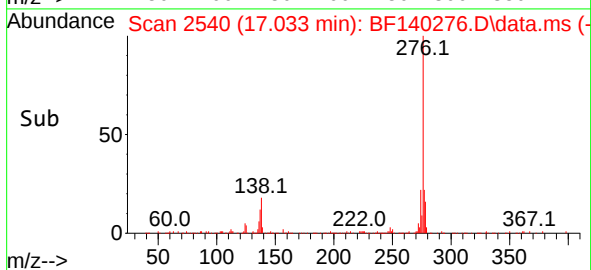
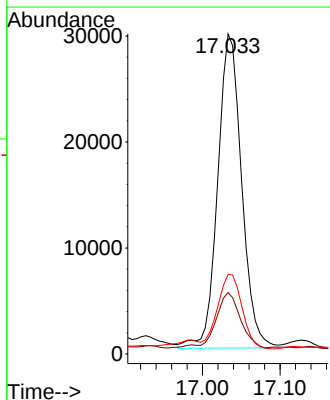
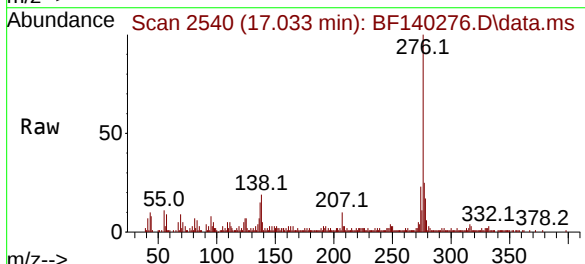
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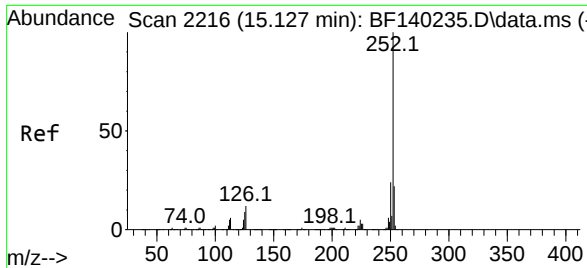
Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.342 ng
 RT: 17.033 min Scan# 2540
 Delta R.T. -0.047 min
 Lab File: BF140276.D
 Acq: 07 Nov 2024 15:46

Tgt Ion:276 Resp: 63787
 Ion Ratio Lower Upper
 276 100
 138 18.3 17.6 26.4
 277 24.4 20.2 30.2





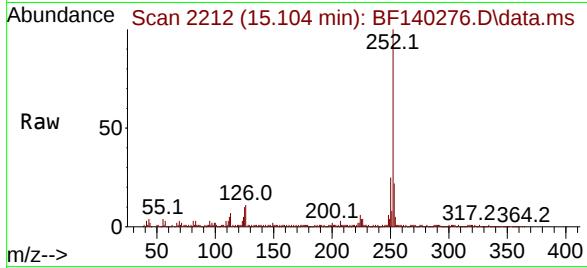
#88
Benzo(b)fluoranthene
Concen: 11.032 ng m
RT: 15.104 min Scan# 2214
Delta R.T. -0.024 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424



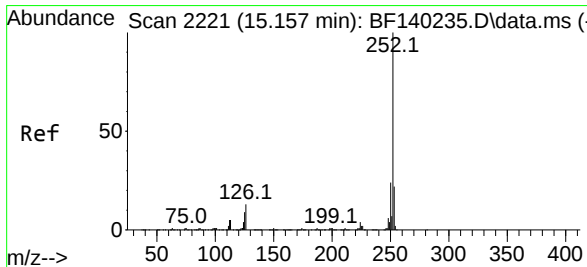
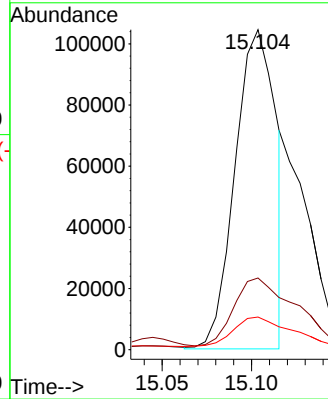
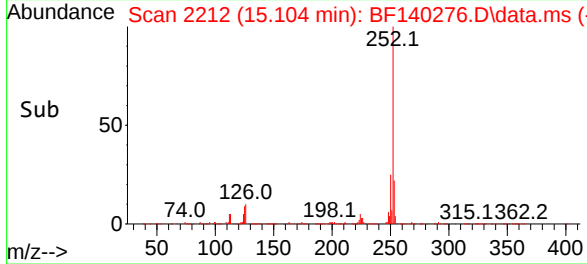
Tgt Ion:252 Resp: 167019
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.2 7.0 10.6

Manual Integrations

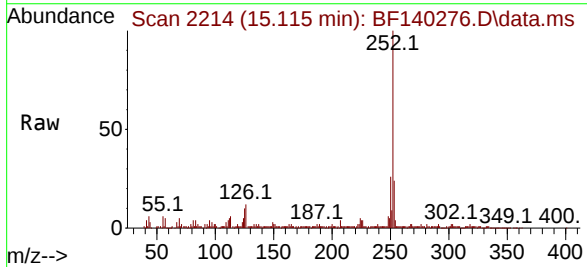
APPROVED

Reviewed By :Yogesh Patel 11/08/2024

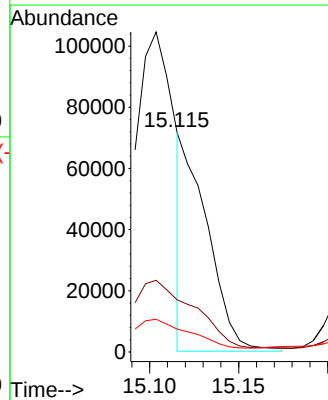
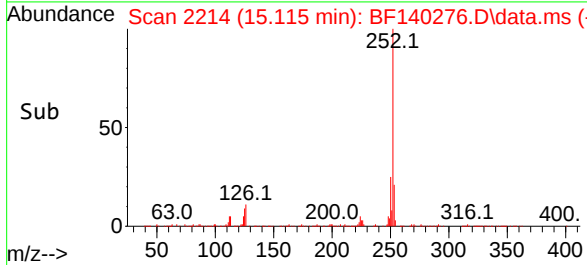
Supervised By :mohammad ahmed 11/11/2024

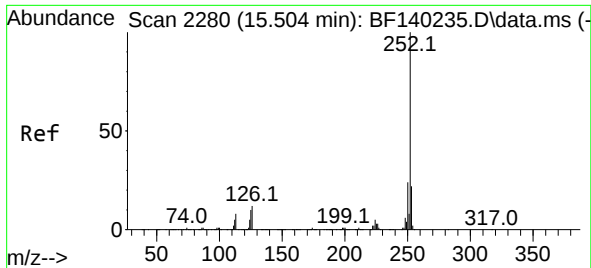


#89
Benzo(k)fluoranthene
Concen: 4.998 ng m
RT: 15.115 min Scan# 2214
Delta R.T. -0.041 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46



Tgt Ion:252 Resp: 69439
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 10.4 7.2 10.8





#90
Benzo(a)pyrene
Concen: 9.764 ng
RT: 15.474 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

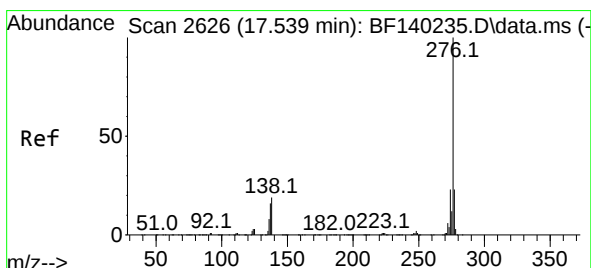
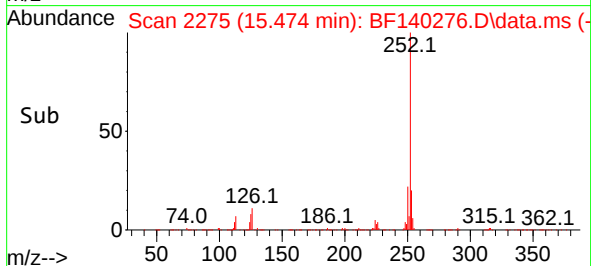
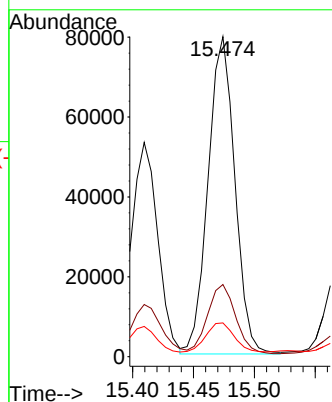
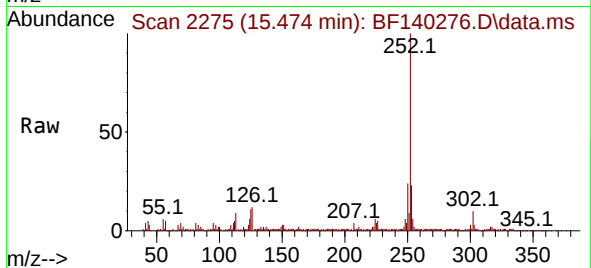
ClientSampleId :

HD-02-110424

Tgt Ion:252 Resp: 12188
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.6 7.6 11.4

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#92
Benzo(g,h,i)perylene
Concen: 4.844 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.047 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:276 Resp: 59737
Ion Ratio Lower Upper
276 100
277 24.9 18.8 28.2
138 19.6 15.3 22.9

