

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140437.D
 Acq On : 16 Nov 2024 18:27
 Operator : RC/JU
 Sample : P4849-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RR-1

Quant Time: Nov 18 00:09:15 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

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 11/19/2024

Supervised By :mohammad
 ahmed
 11/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	117554	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	430013	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	221316	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	343430	20.000	ng	0.00
76) Chrysene-d12	14.045	240	235654	20.000	ng	0.00
86) Perylene-d12	15.527	264	173242	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	481212	69.892	ng	0.01
7) Phenol-d6	6.510	99	651150	69.805	ng	0.00
23) Nitrobenzene-d5	7.434	82	410058	49.685	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	134529	61.127	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	728402	52.908	ng	0.00
79) Terphenyl-d14	12.980	244	604944	44.559	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	71454	4.429	ng	99
75) Fluoranthene	12.610	202	153580	8.485	ng	99
78) Pyrene	12.839	202	153880	7.634	ng	98
81) Benzo(a)anthracene	14.033	228	91208	5.889	ng	97
83) Chrysene	14.069	228	68864	4.873	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	25168	2.352	ng	95
88) Benzo(b)fluoranthene	15.092	252	71928m	6.347	ng	
89) Benzo(k)fluoranthene	15.110	252	26982m	2.914	ng	
90) Benzo(a)pyrene	15.463	252	48094	5.465	ng	# 97
92) Benzo(g,h,i)perylene	17.480	276	24692	2.730	ng	93

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

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ALS Vial : 22 Sample Multiplier: 1

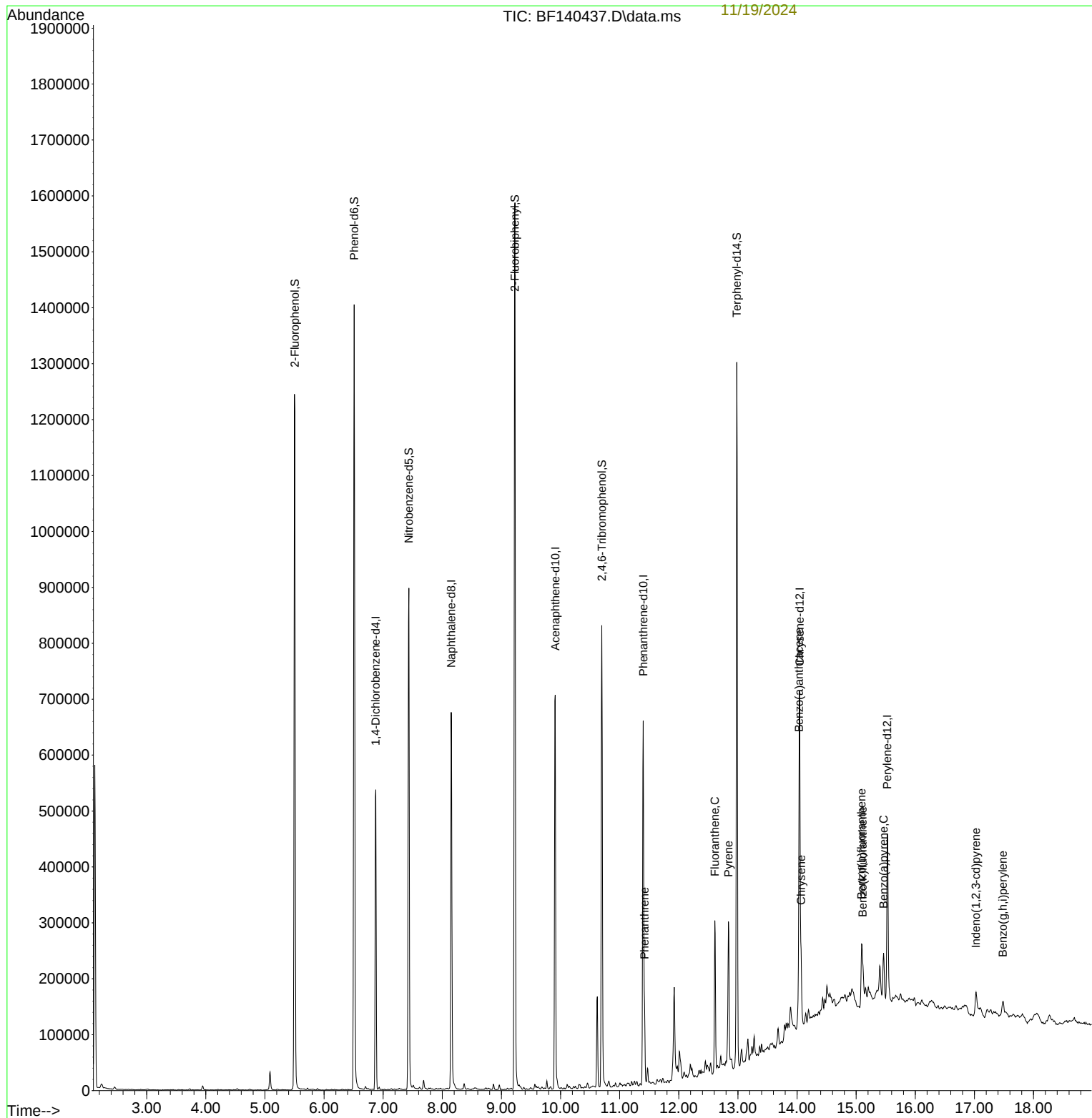
Instrument :
BNA_F
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RR-1

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Patel
11/19/2024

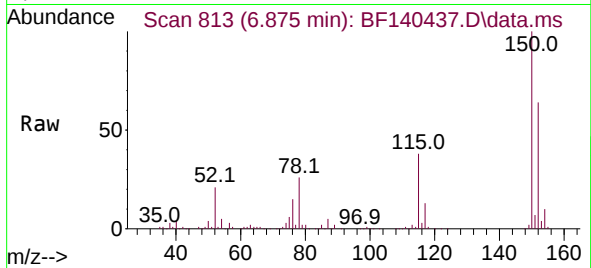
Supervised By :mohammad
ahmed
11/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

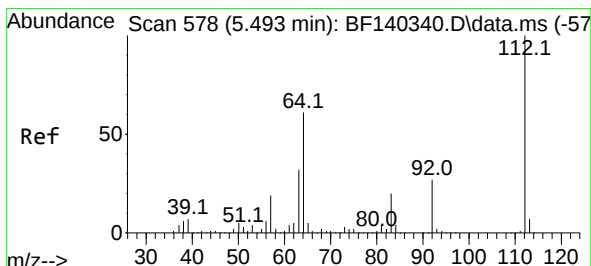
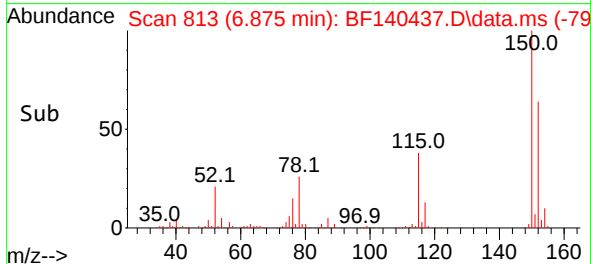
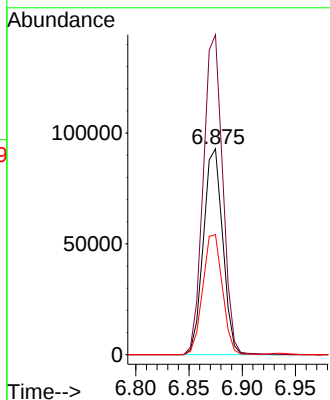


Tgt Ion:152 Resp: 117554
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.0
115 58.3 47.4 71.2

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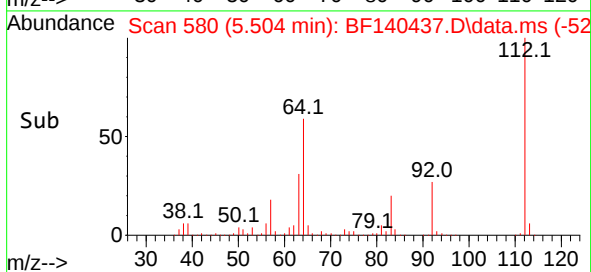
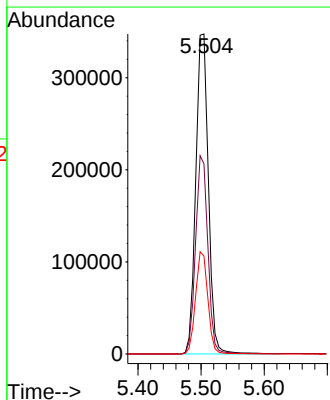
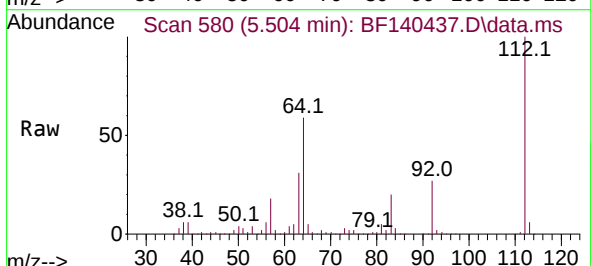
Reviewed By :Yogesh
Patel
11/19/2024

Supervised By :mohammad
ahmed
11/19/2024



#5
2-Fluorophenol
Concen: 69.892 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

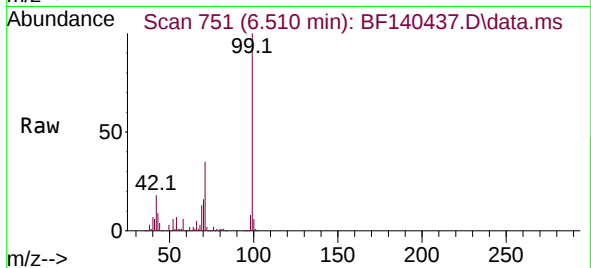
Tgt Ion:112 Resp: 481212
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 30.6 25.6 38.4





#7
Phenol-d6
Concen: 69.805 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

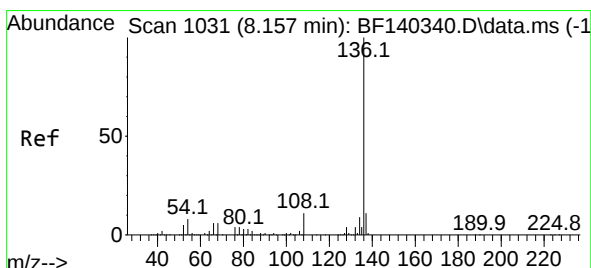
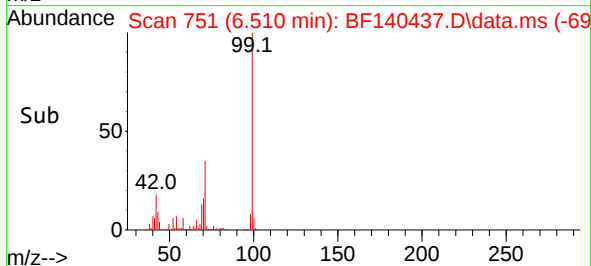
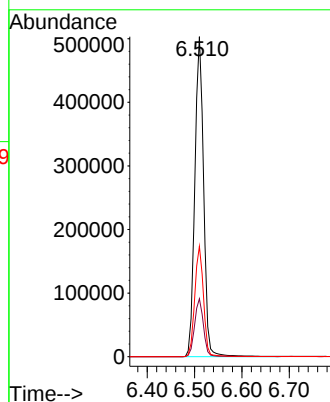


Tgt Ion: 99 Resp: 651150
Ion Ratio Lower Upper
99 100
42 18.1 15.1 22.7
71 34.5 27.9 41.9

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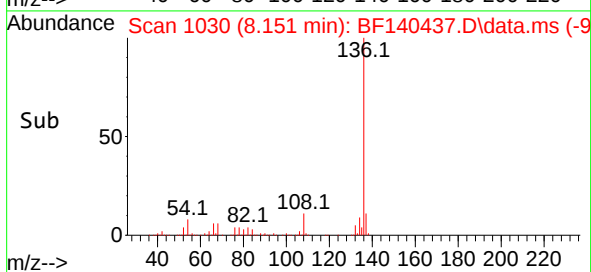
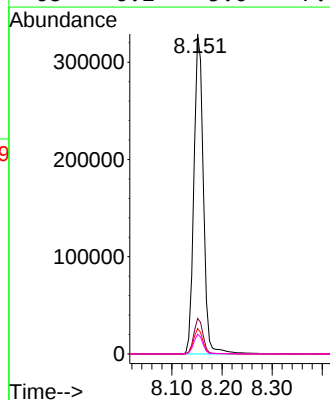
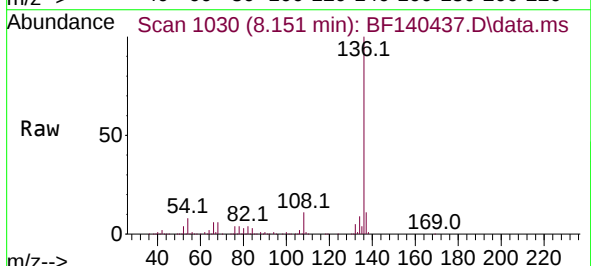
Reviewed By :Yogesh
Patel
11/19/2024

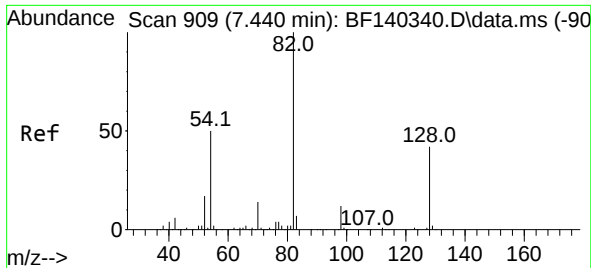
Supervised By :mohammad
ahmed
11/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

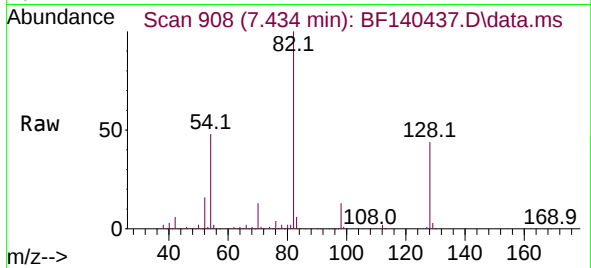
Tgt Ion:136 Resp: 430013
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 6.5 9.7
68 6.2 5.0 7.6





#23
Nitrobenzene-d5
Concen: 49.685 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

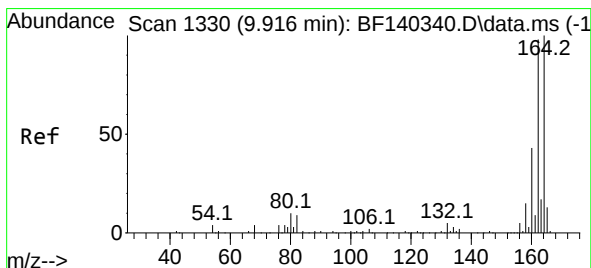
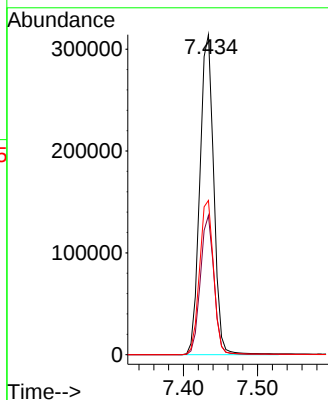
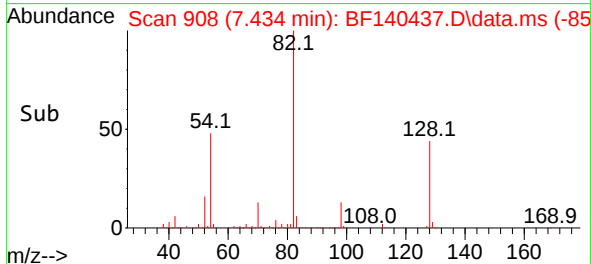


Tgt Ion: 82 Resp: 410058
Ion Ratio Lower Upper
82 100
128 43.5 33.3 49.9
54 48.2 39.8 59.8

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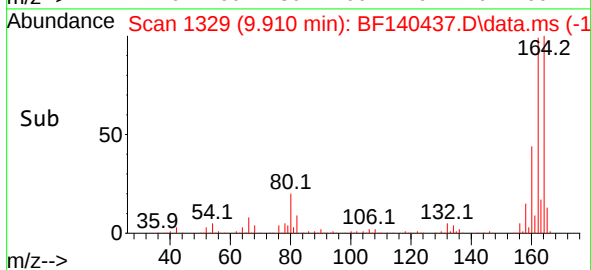
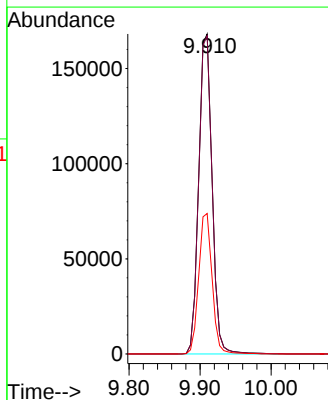
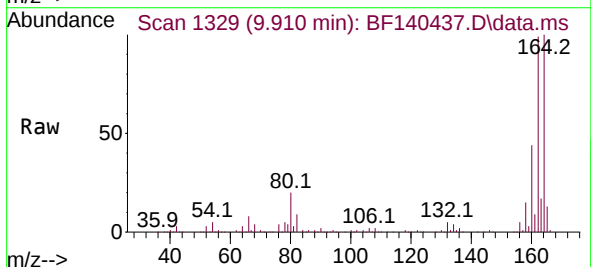
Reviewed By :Yogesh
Patel
11/19/2024

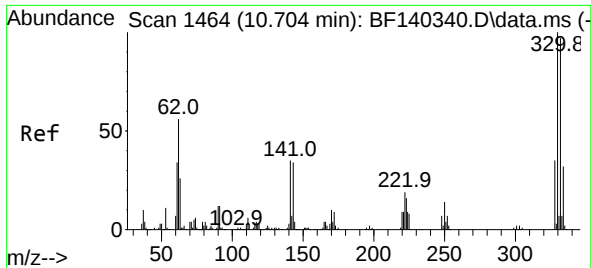
Supervised By :mohammad
ahmed
11/19/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

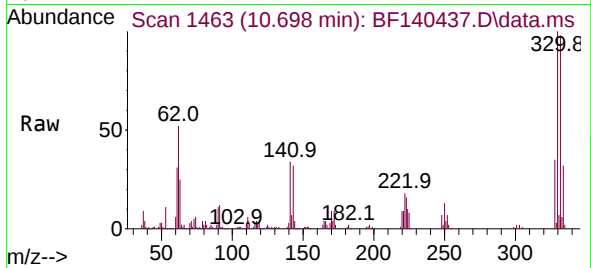
Tgt Ion:164 Resp: 221316
Ion Ratio Lower Upper
164 100
162 99.4 79.8 119.8
160 43.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 61.127 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

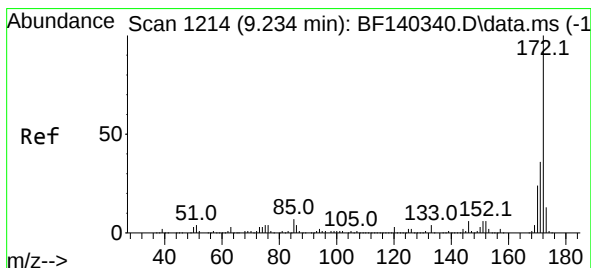
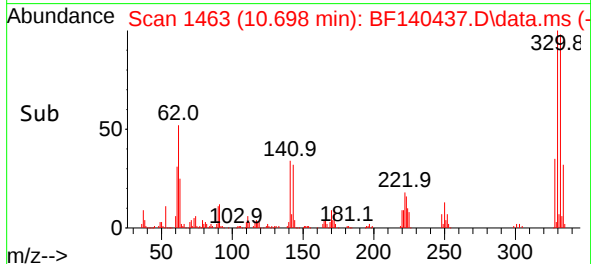
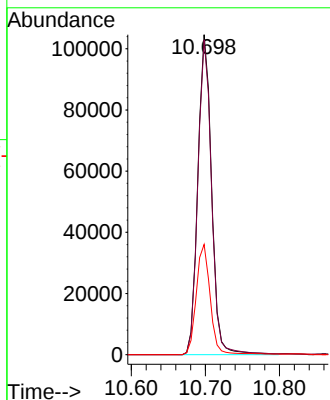


Tgt Ion: 330 Resp: 134529
Ion Ratio Lower Upper
330 100
332 98.6 75.9 113.9
141 35.2 26.9 40.3

Manual Integrations
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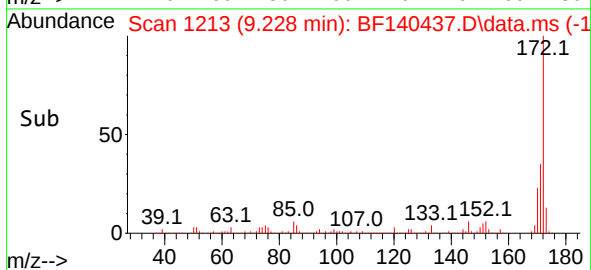
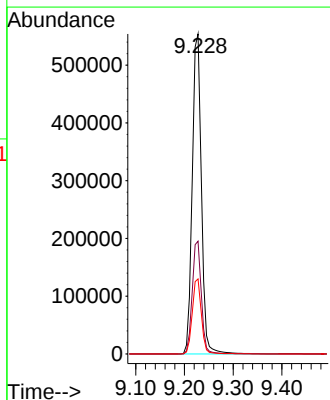
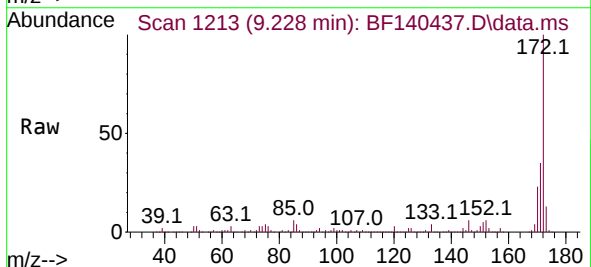
Reviewed By : Yogesh
Patel
11/19/2024

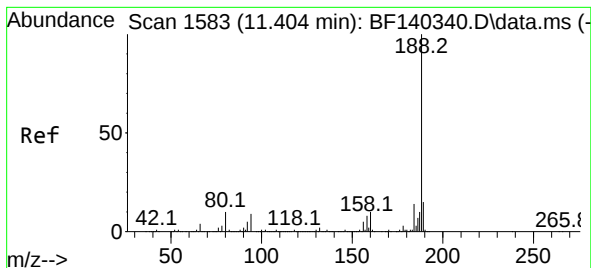
Supervised By : mohammad
ahmed
11/19/2024



#45
2-Fluorobiphenyl
Concen: 52.908 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Tgt Ion: 172 Resp: 728402
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 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: BF140437.D
Acq: 16 Nov 2024 18:27

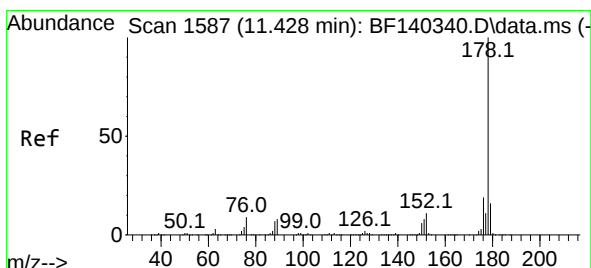
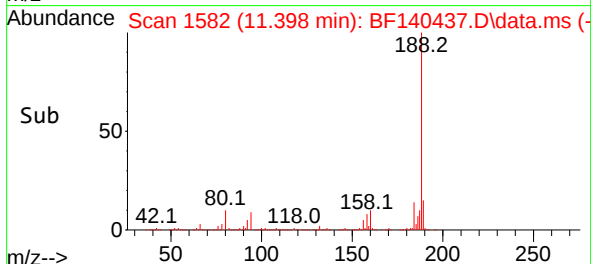
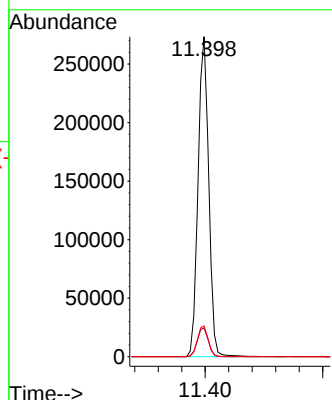
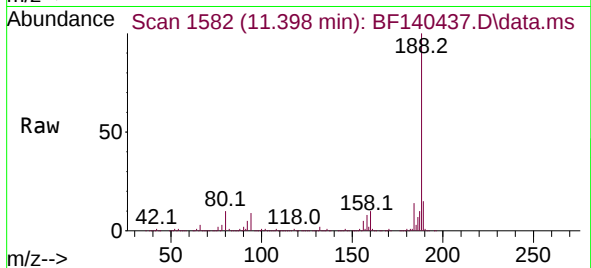
Instrument :
BNA_F
ClientSampleId :
RR-1

Tgt Ion:188 Resp: 343430
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.6 8.0 12.0

Manual Integrations
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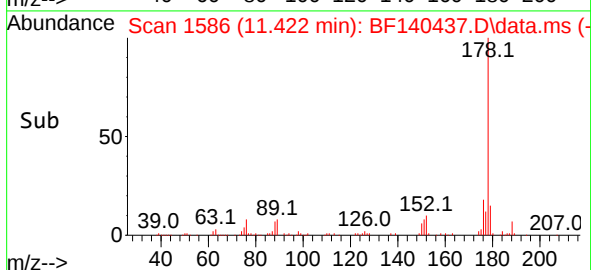
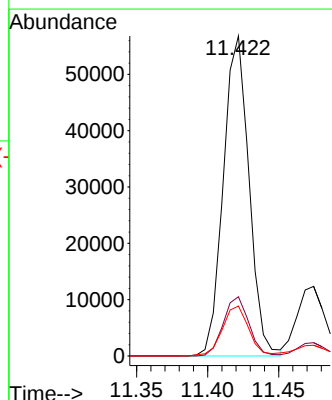
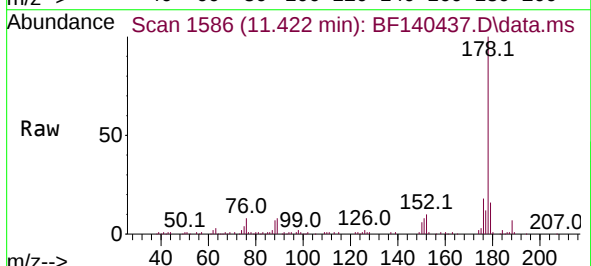
Reviewed By :Yogesh
Patel
11/19/2024

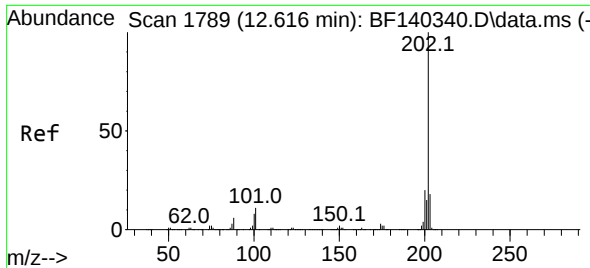
Supervised By :mohammad
ahmed
11/19/2024



#71
Phenanthrene
Concen: 4.429 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

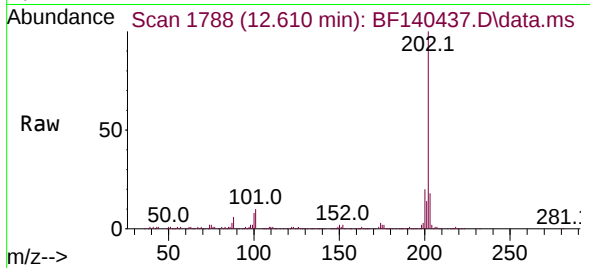
Tgt Ion:178 Resp: 71454
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 8.485 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

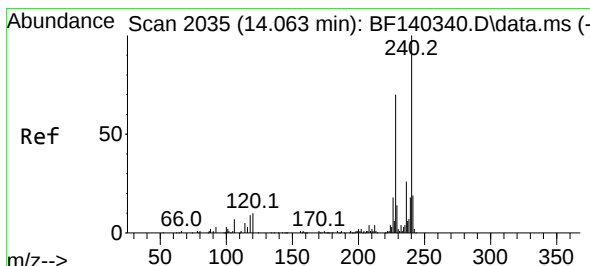
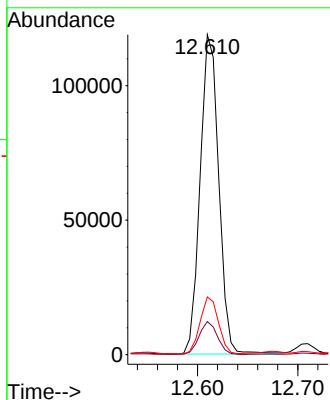
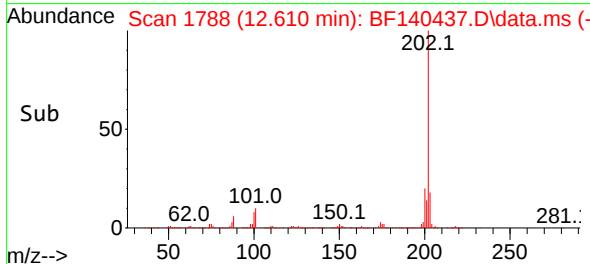


Tgt Ion:202 Resp: 153580
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 18.0 0.0 37.7

Manual Integrations
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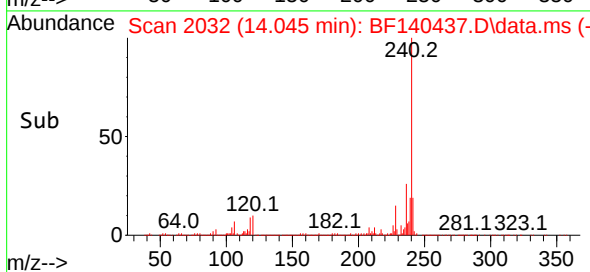
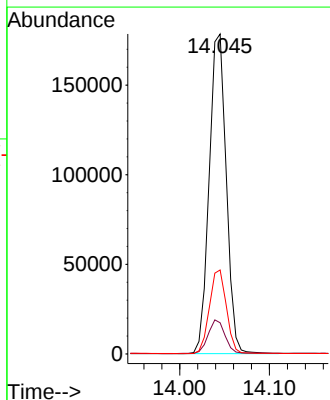
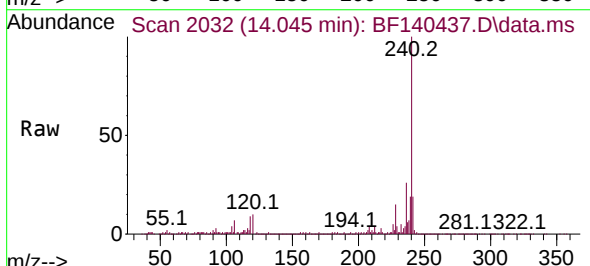
Reviewed By :Yogesh
Patel
11/19/2024

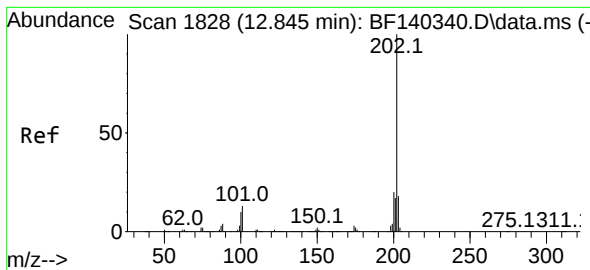
Supervised By :mohammad
ahmed
11/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Tgt Ion:240 Resp: 235654
Ion Ratio Lower Upper
240 100
120 9.7 8.8 13.2
236 26.3 20.9 31.3





#78
Pyrene
Concen: 7.634 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

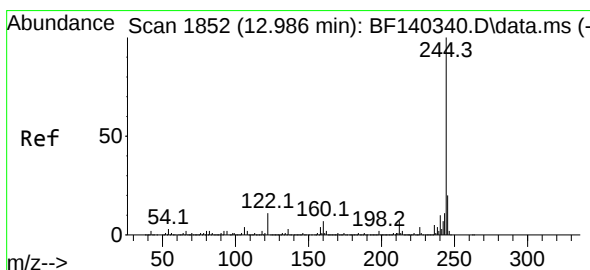
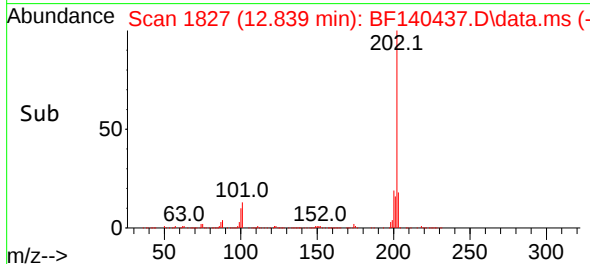
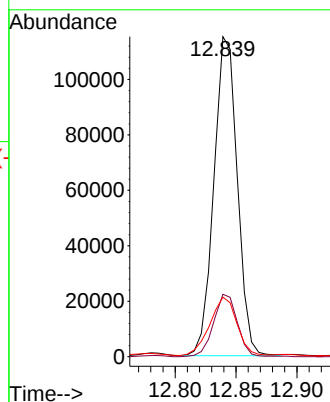
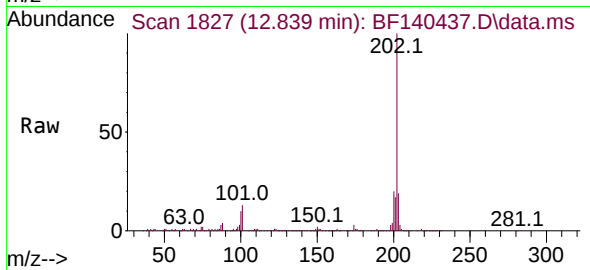
Instrument :
BNA_F
ClientSampleId :
RR-1

Tgt Ion:202 Resp: 153880
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 18.6 14.2 21.4

Manual Integrations
APPROVED

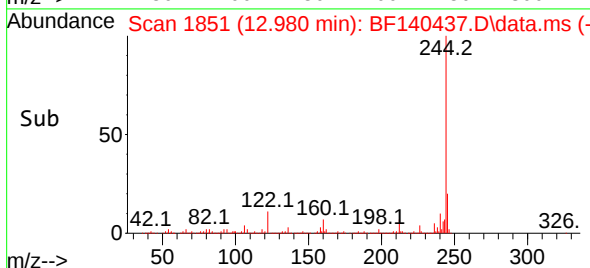
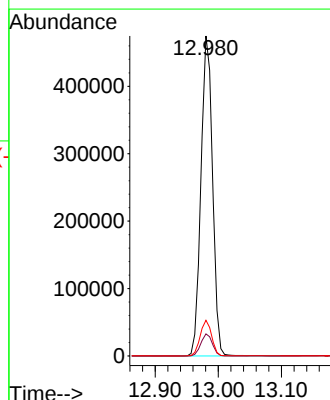
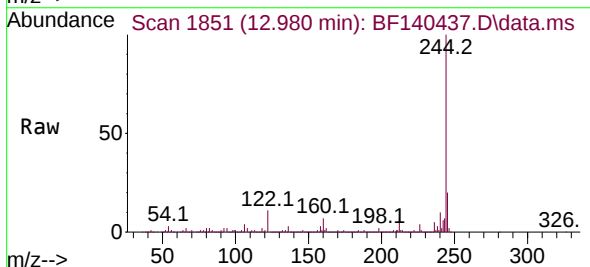
Reviewed By :Yogesh
Patel
11/19/2024

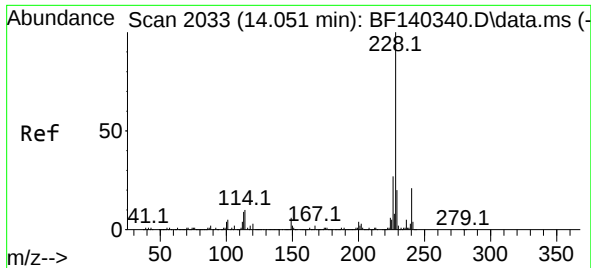
Supervised By :mohammad
ahmed
11/19/2024



#79
Terphenyl-d14
Concen: 44.559 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

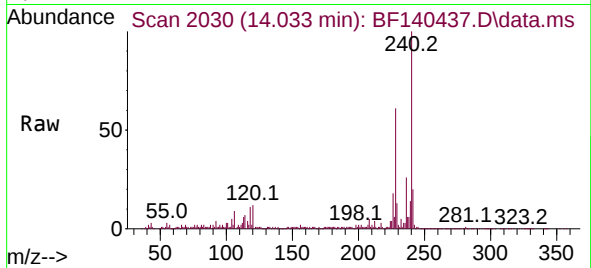
Tgt Ion:244 Resp: 604944
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 11.2 8.8 13.2





#81
Benzo(a)anthracene
Concen: 5.889 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

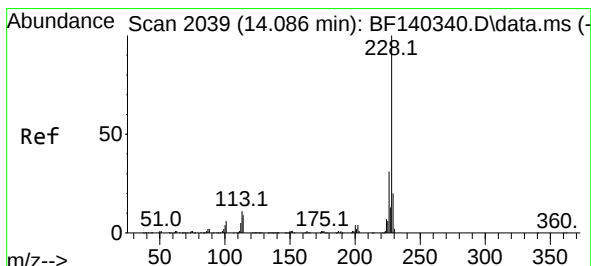
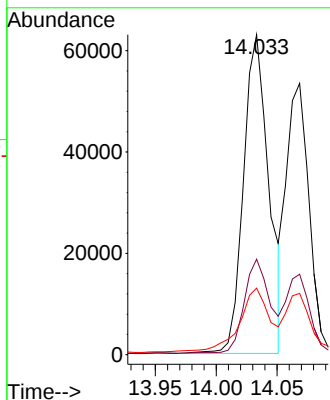
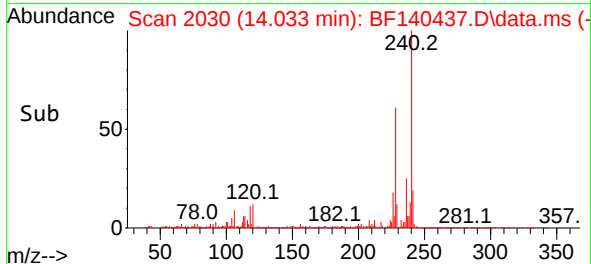


Tgt Ion:228 Resp: 91208
Ion Ratio Lower Upper
228 100
226 29.8 22.2 33.4
229 20.8 15.8 23.6

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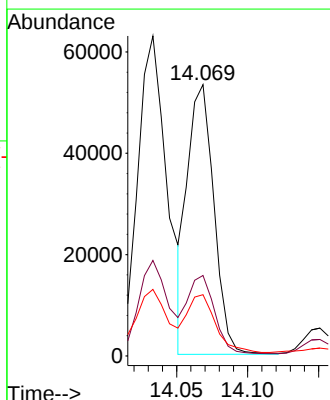
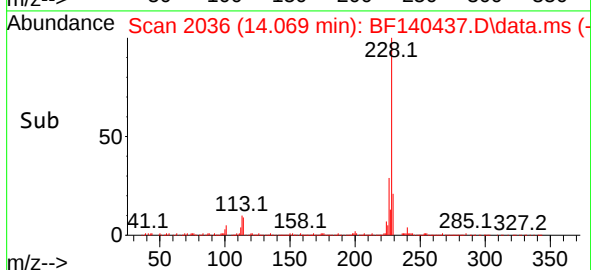
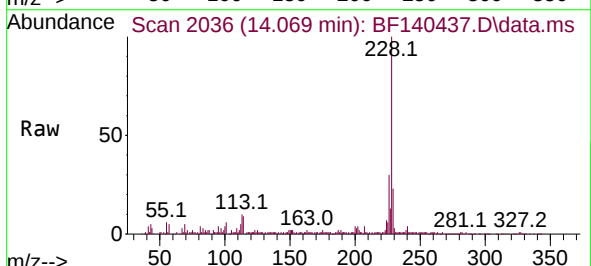
Reviewed By :Yogesh
Patel
11/19/2024

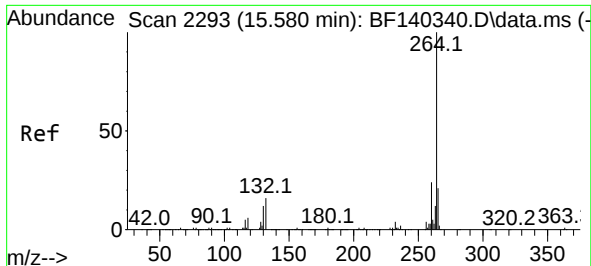
Supervised By :mohammad
ahmed
11/19/2024



#83
Chrysene
Concen: 4.873 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

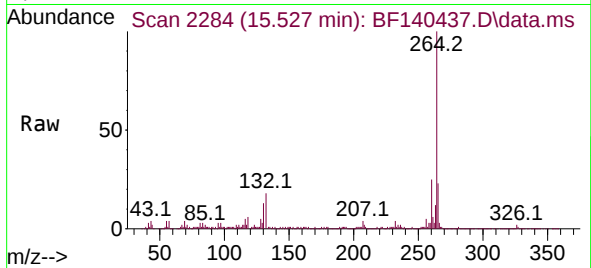
Tgt Ion:228 Resp: 68864
Ion Ratio Lower Upper
228 100
226 29.6 24.5 36.7
229 22.6 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

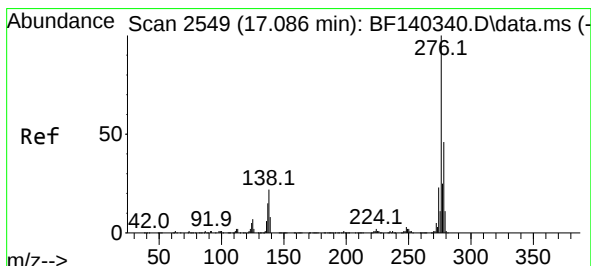
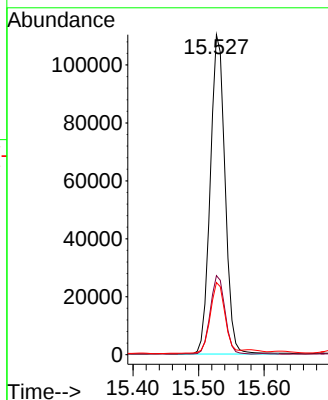
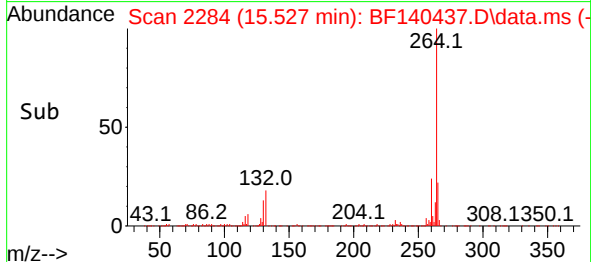


Tgt Ion:264 Resp: 17324
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.5 17.1 25.7

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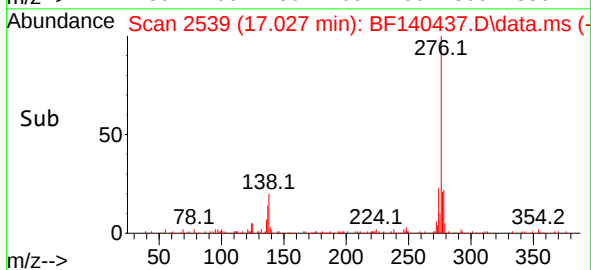
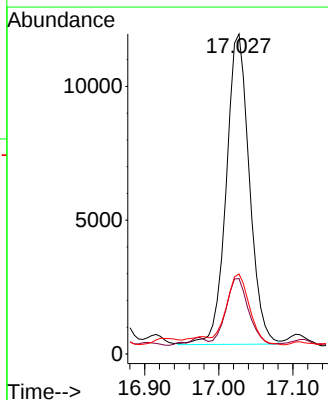
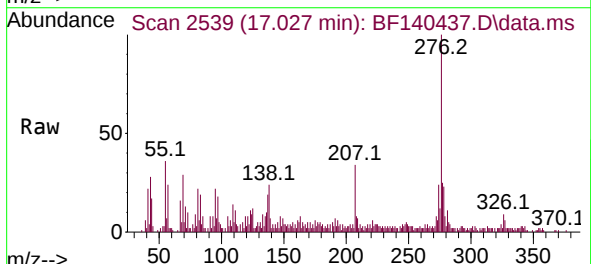
Reviewed By :Yogesh
Patel
11/19/2024

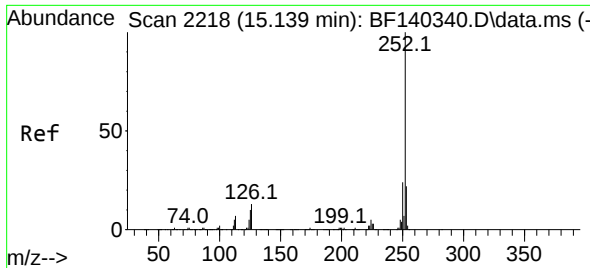
Supervised By :mohammad
ahmed
11/19/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.352 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.029 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

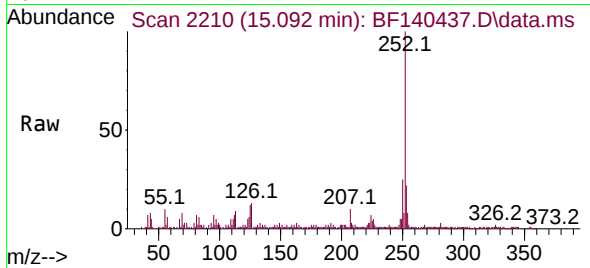
Tgt Ion:276 Resp: 25168
Ion Ratio Lower Upper
276 100
138 20.3 18.8 28.2
277 22.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 6.347 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.024 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

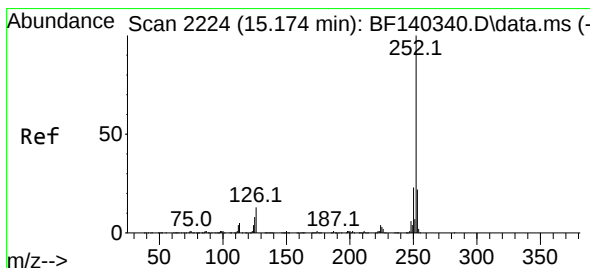
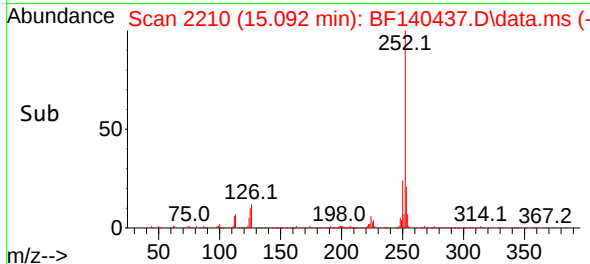
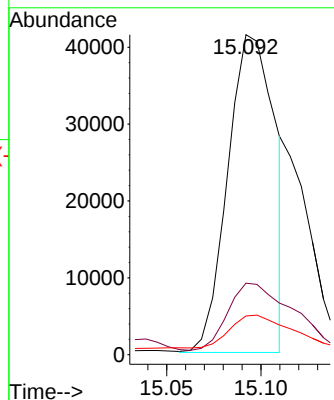


Tgt Ion:252 Resp: 71928
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 12.1 8.0 12.0

Manual Integrations
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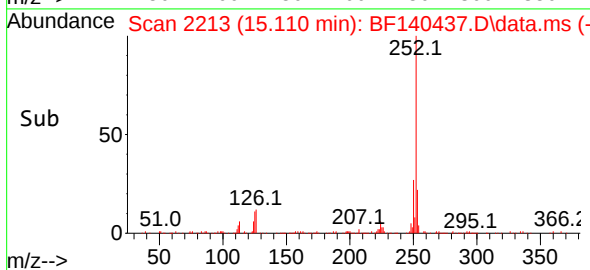
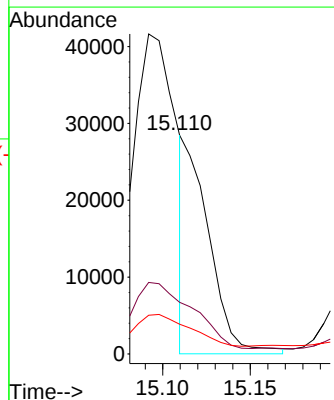
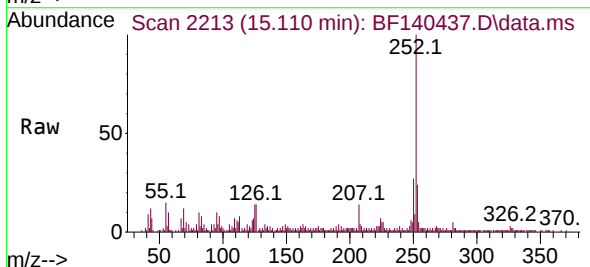
Reviewed By :Yogesh
Patel
11/19/2024

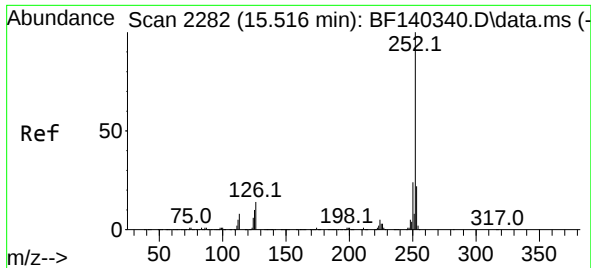
Supervised By :mohammad
ahmed
11/19/2024



#89
Benzo(k)fluoranthene
Concen: 2.914 ng m
RT: 15.110 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

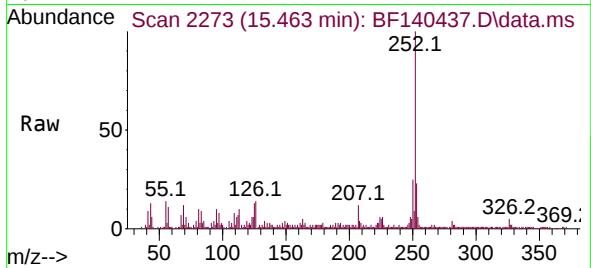
Tgt Ion:252 Resp: 26982
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 13.6 7.4 11.2





#90
Benzo(a)pyrene
Concen: 5.465 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Instrument :
BNA_F
ClientSampleId :
RR-1

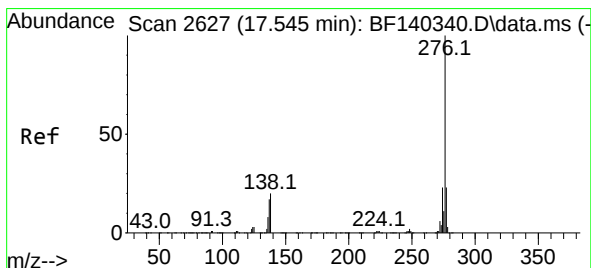
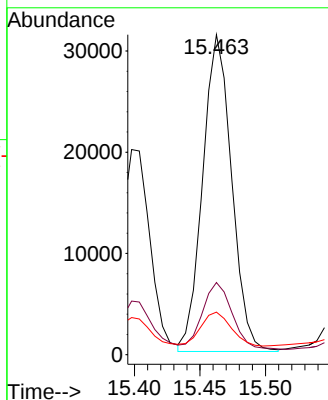
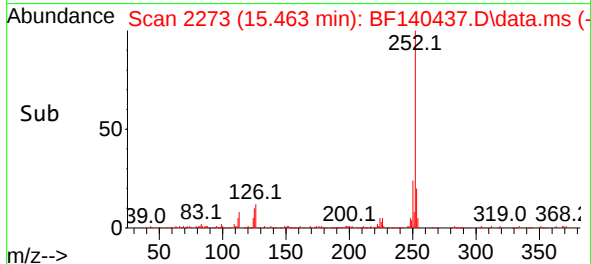


Tgt Ion:252 Resp: 48094
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.3 8.4 12.6

Manual Integrations
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Reviewed By :Yogesh
Patel
11/19/2024

Supervised By :mohammad
ahmed
11/19/2024



#92
Benzo(g,h,i)perylene
Concen: 2.730 ng
RT: 17.480 min Scan# 2616
Delta R.T. -0.035 min
Lab File: BF140437.D
Acq: 16 Nov 2024 18:27

Tgt Ion:276 Resp: 24692
Ion Ratio Lower Upper
276 100
277 26.9 18.6 28.0
138 23.2 16.0 24.0

