

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
 Data File : BF134511.D
 Acq On : 27 Jul 2023 18:16
 Operator : CG\JU
 Sample : 03738-01DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 80001DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

Quant Time: Jul 27 18:47:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	50405	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	188758	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	86624	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	153633	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	114230	20.000	ng	0.00
86) Perylene-d12	15.515	264	94099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	62278	20.414	ng	0.00
7) Phenol-d6	6.469	99	74291	19.875	ng	0.00
23) Nitrobenzene-d5	7.387	82	46268	12.402	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	24108	19.588	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	108043	16.374	ng	0.00
79) Terphenyl-d14	12.951	244	124423	19.014	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	20273	2.526	ng	# 89
72) Anthracene	11.433	178	34219	4.130	ng	# 92
75) Fluoranthene	12.580	202	212367	22.701	ng	99
78) Pyrene	12.816	202	396875	43.696	ng	99
81) Benzo(a)anthracene	14.010	228	127403	15.986	ng	97
83) Chrysene	14.045	228	188866	24.776	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	48236	7.846	ng	98
88) Benzo(b)fluoranthene	15.080	252	243668m	41.392	ng	
89) Benzo(k)fluoranthene	15.104	252	62035m	10.715	ng	
90) Benzo(a)pyrene	15.457	252	73585	13.523	ng	# 96
91) Dibenzo(a,h)anthracene	17.051	278	12333	2.484	ng	# 85
92) Benzo(g,h,i)perylene	17.527	276	37800	7.415	ng	98

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

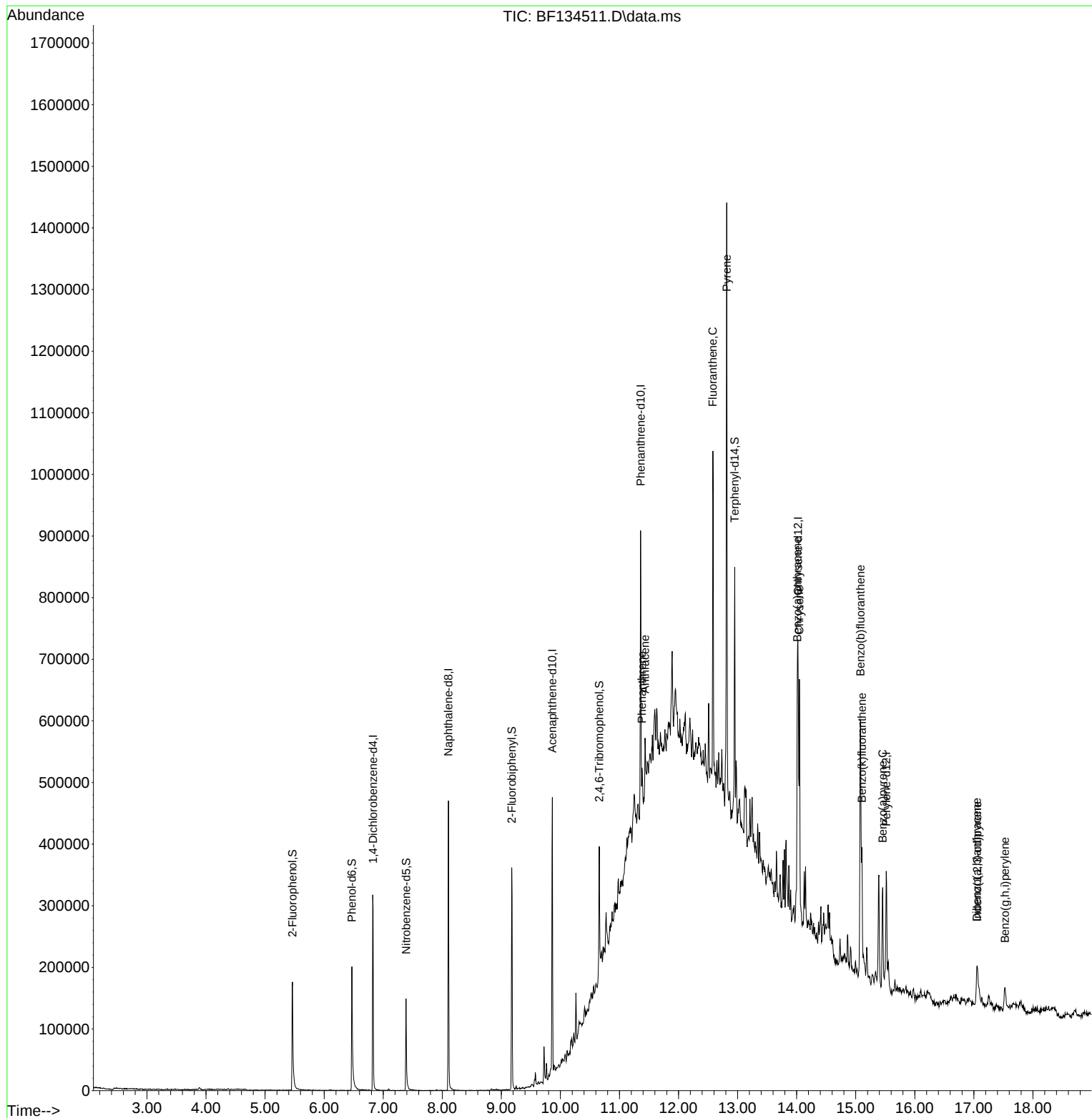
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
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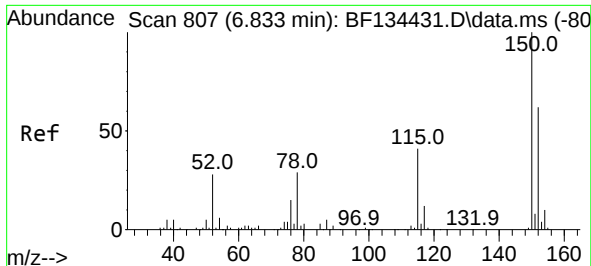
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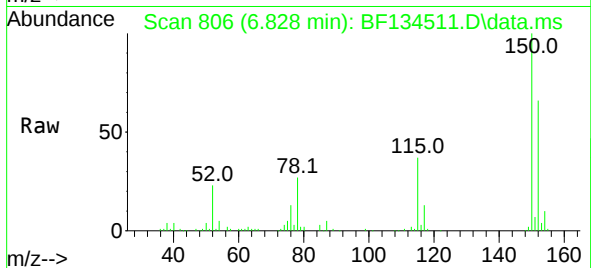
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 807
 Delta R.T. -0.000 min
 Lab File: BF134511.D
 Acq: 27 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

80001DL

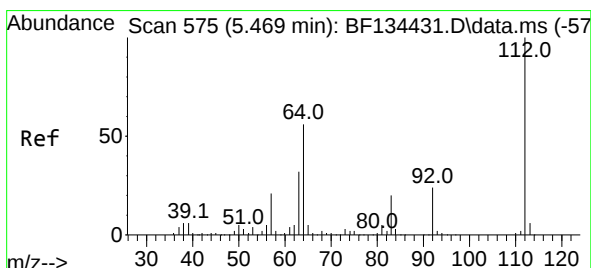
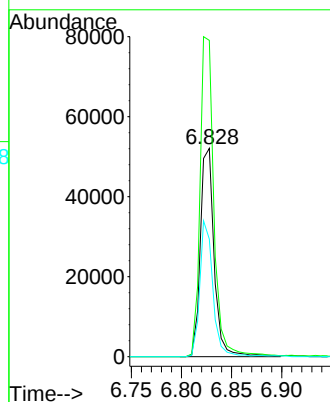


Tgt Ion:152 Resp: 50409
 Ion Ratio Lower Upper
 152 100
 150 151.9 128.3 192.5
 115 56.5 52.4 78.6

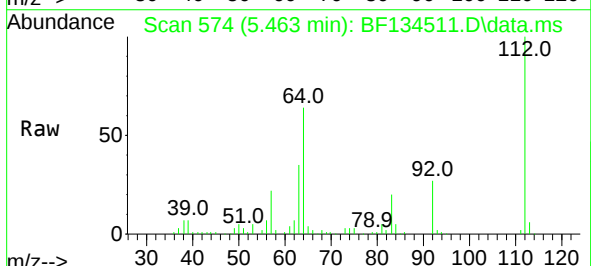
Manual Integrations

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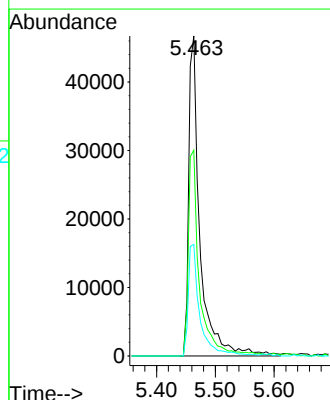
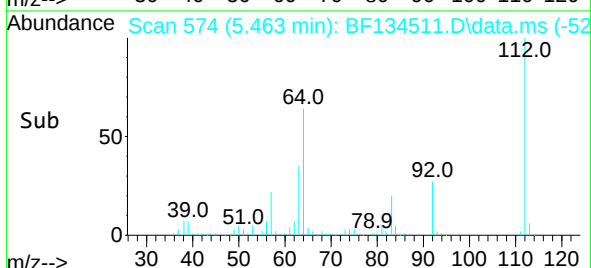
Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

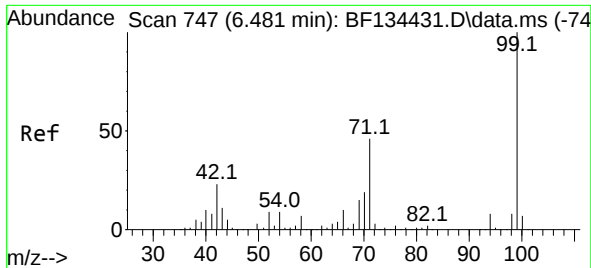


#5
 2-Fluorophenol
 Concen: 20.414 ng
 RT: 5.463 min Scan# 574
 Delta R.T. 0.000 min
 Lab File: BF134511.D
 Acq: 27 Jul 2023 18:16



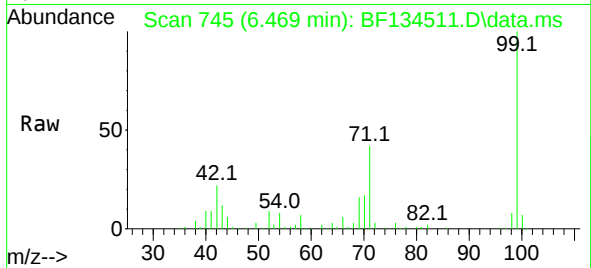
Tgt Ion:112 Resp: 62278
 Ion Ratio Lower Upper
 112 100
 64 64.3 44.9 67.3
 63 34.8 25.4 38.0





#7
Phenol-d6
Concen: 19.875 ng
RT: 6.469 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

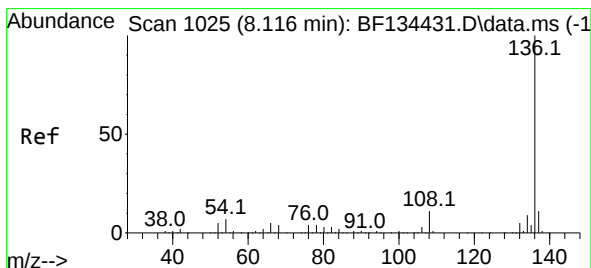
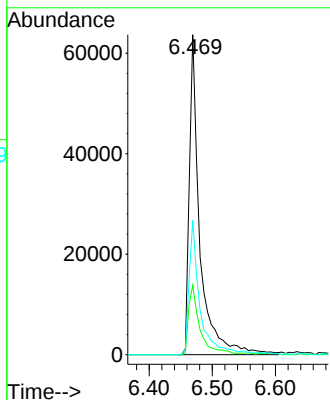
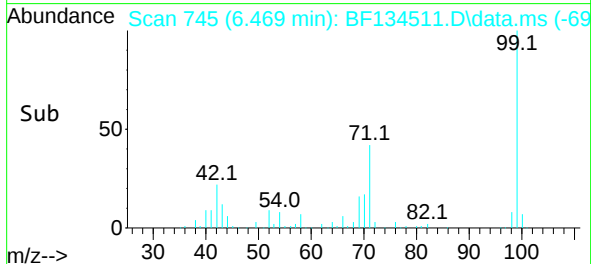
Instrument :
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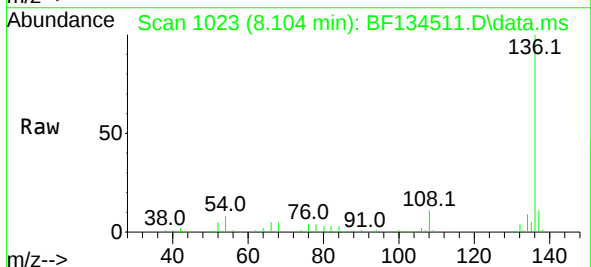
Tgt Ion: 99 Resp: 7429
Ion Ratio Lower Upper
99 100
42 21.7 18.7 28.1
71 41.9 36.4 54.6

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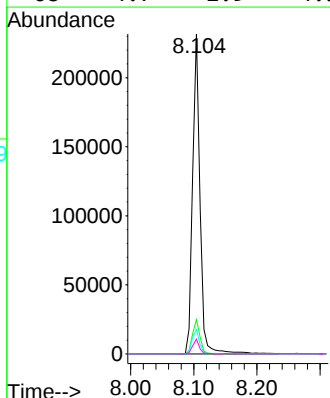
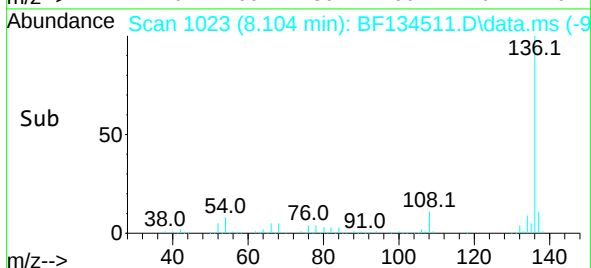
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023

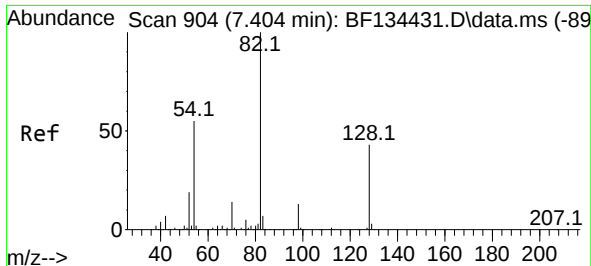


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16



Tgt Ion:136 Resp: 188758
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.6 5.2 7.8
68 4.7 2.9 4.3#





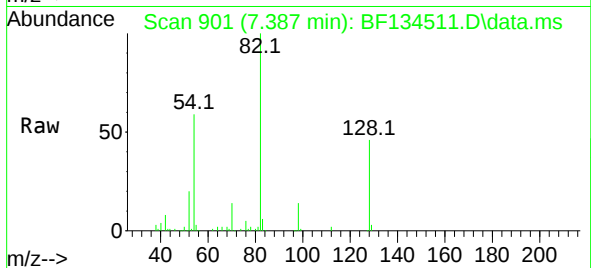
#23
Nitrobenzene-d5
Concen: 12.402 ng
RT: 7.387 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

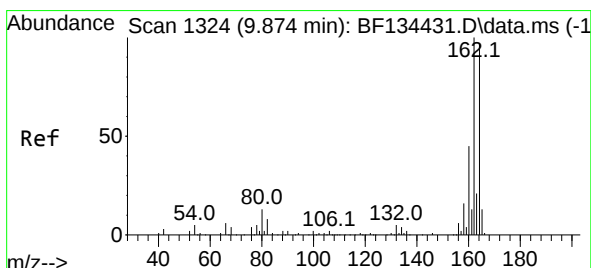
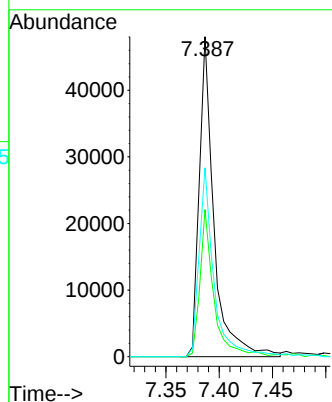
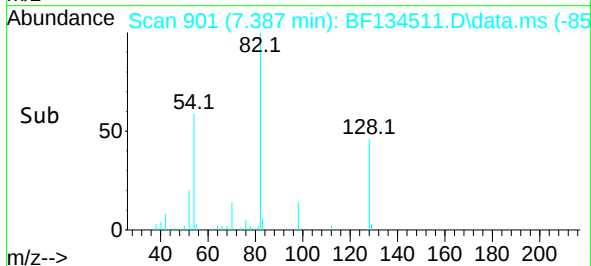
80001DL



Tgt Ion: 82 Resp: 46268
Ion Ratio Lower Upper
82 100
128 46.0 34.3 51.5
54 59.1 43.8 65.6

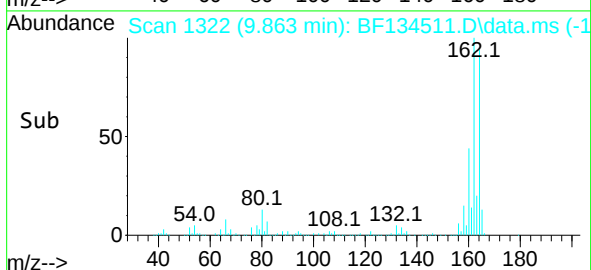
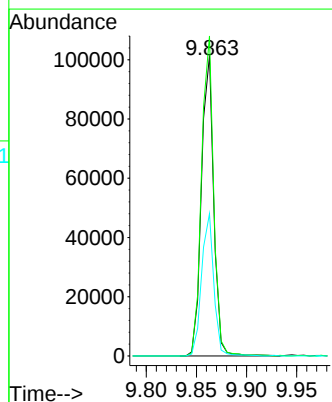
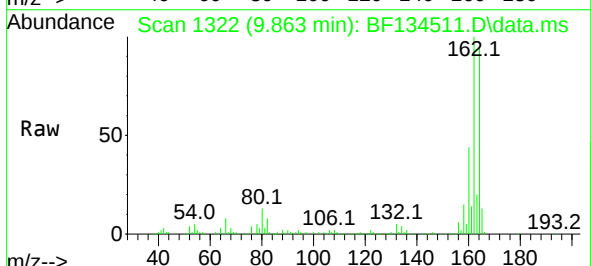
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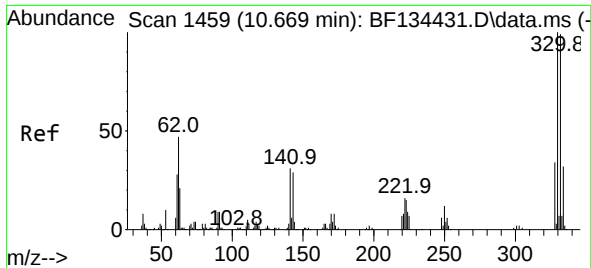
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

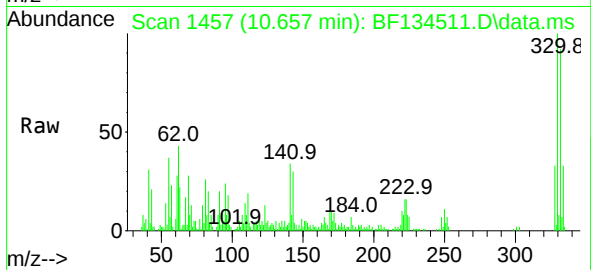
Tgt Ion:164 Resp: 86624
Ion Ratio Lower Upper
164 100
162 106.5 82.6 123.8
160 47.4 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 19.588 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

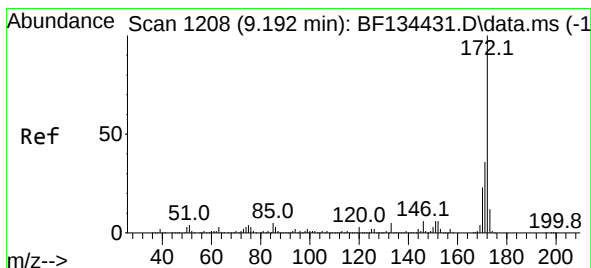
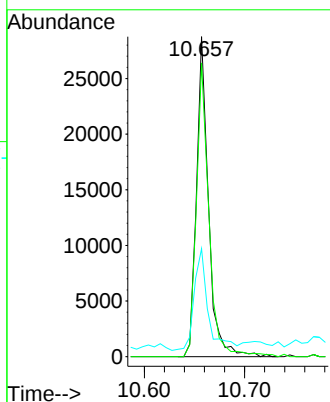
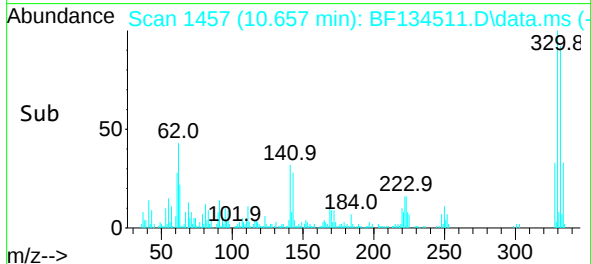
Instrument :
BNA_F
ClientSampleId :
80001DL



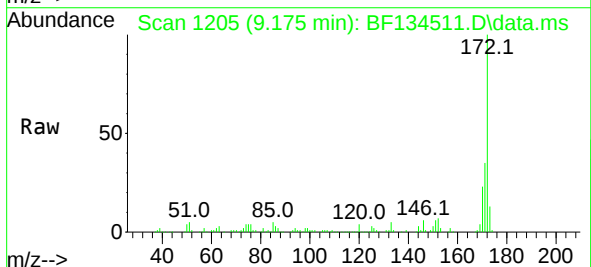
Tgt Ion:330 Resp: 24108
Ion Ratio Lower Upper
330 100
332 95.6 78.8 118.2
141 36.7 25.4 38.2

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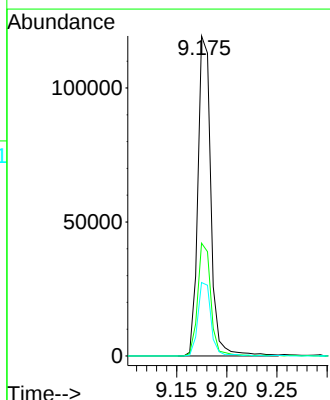
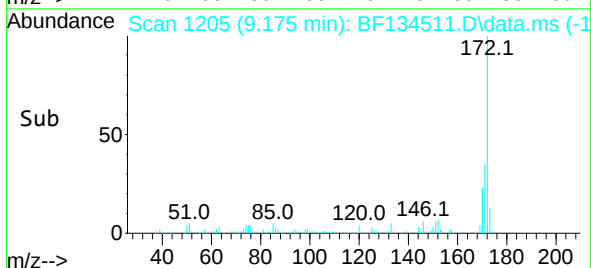
Reviewed By :Yogesh Patel 07/28/2023
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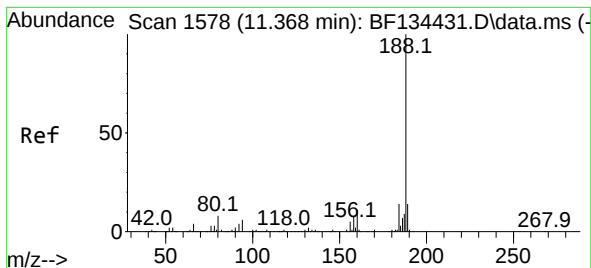


#45
2-Fluorobiphenyl
Concen: 16.374 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16



Tgt Ion:172 Resp: 108043
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.0 18.7 28.1





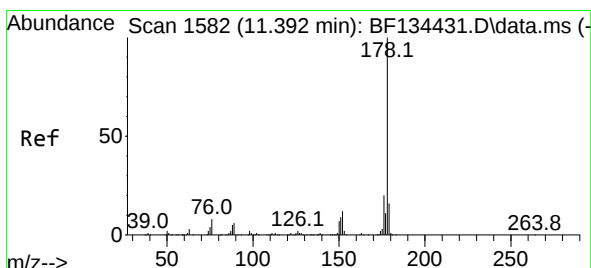
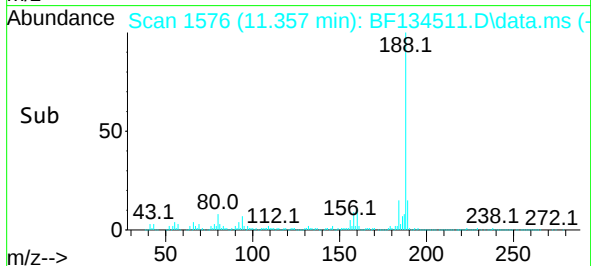
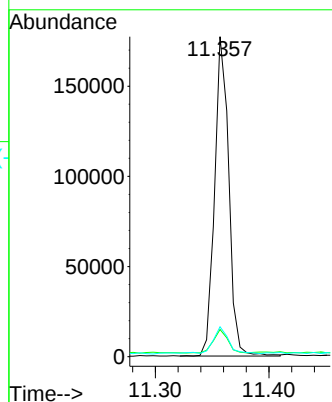
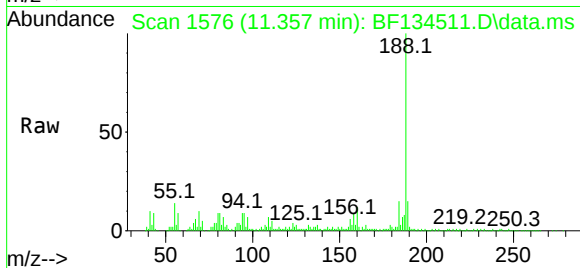
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

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ClientSampleId :
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Tgt Ion:188 Resp: 15363
Ion Ratio Lower Upper
188 100
94 8.5 5.1 7.7
80 9.4 6.6 9.8

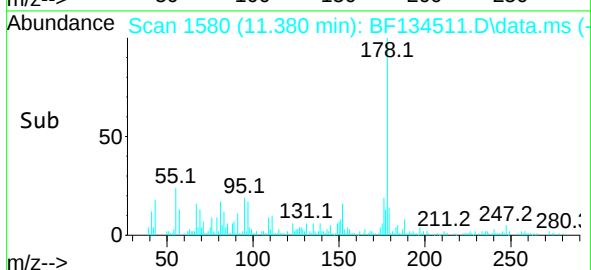
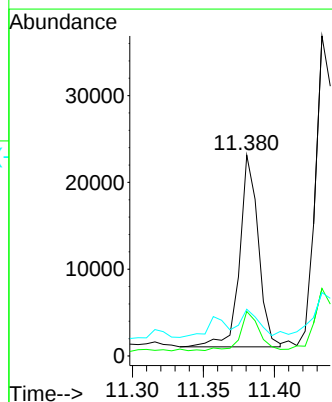
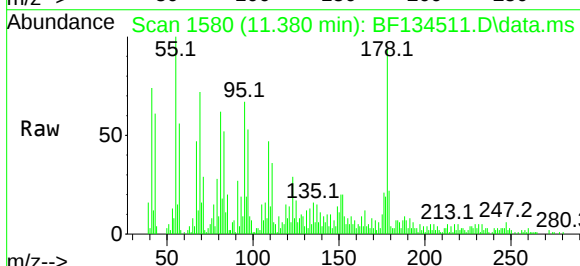
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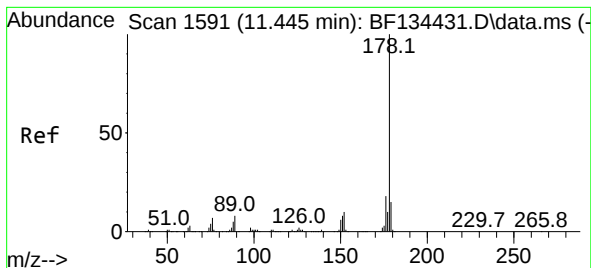
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#71
Phenanthrene
Concen: 2.526 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

Tgt Ion:178 Resp: 20273
Ion Ratio Lower Upper
178 100
176 22.2 15.8 23.6
179 23.3 12.7 19.1#





#72

Anthracene

Concen: 4.130 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF134511.D

Acq: 27 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

80001DL

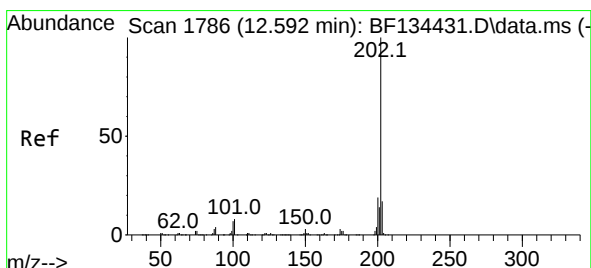
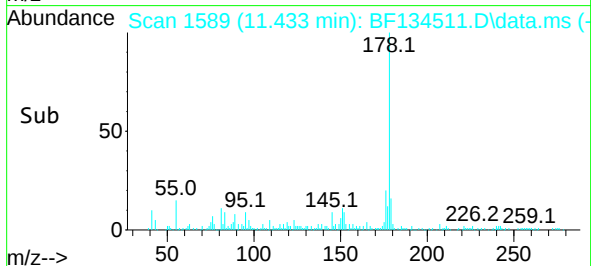
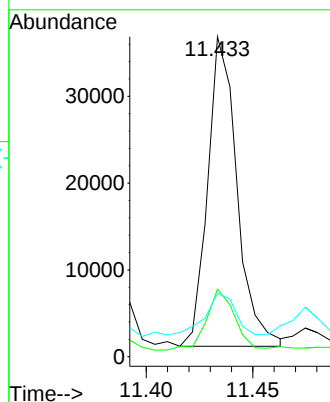
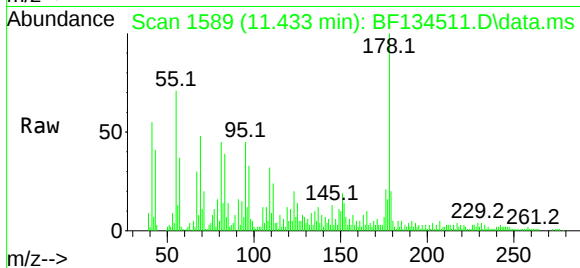
Tgt Ion:	178	Resp:	34219
Ion Ratio	Lower	Upper	
178	100		
176	21.1	14.6	21.8
179	19.8	12.3	18.5

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#75

Fluoranthene

Concen: 22.701 ng

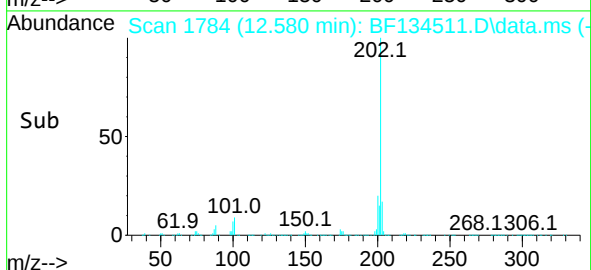
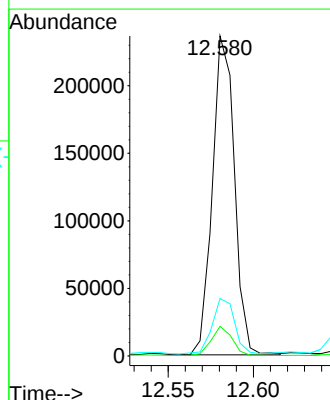
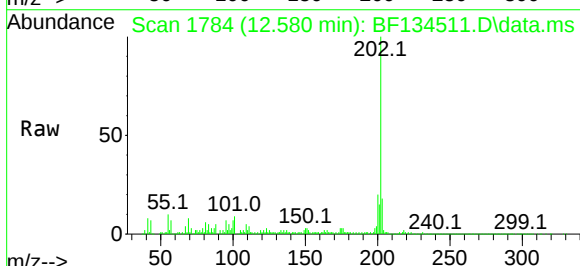
RT: 12.580 min Scan# 1784

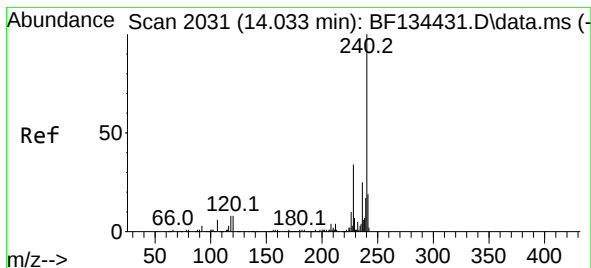
Delta R.T. 0.000 min

Lab File: BF134511.D

Acq: 27 Jul 2023 18:16

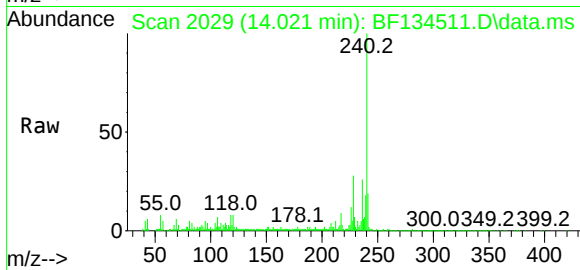
Tgt Ion:	202	Resp:	212367
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	28.5
203	17.9	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

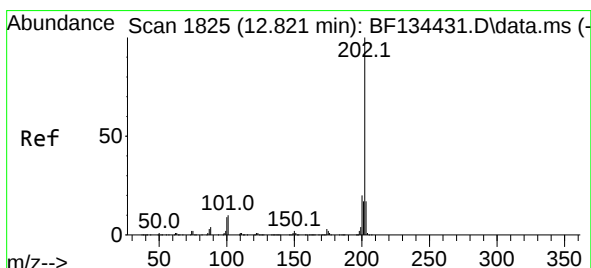
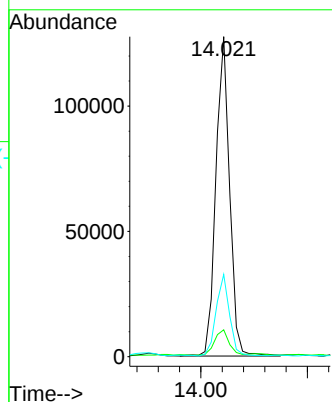
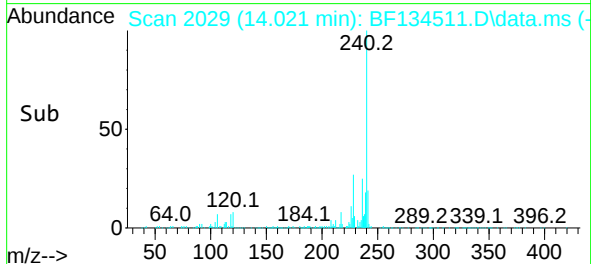
Instrument :
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ClientSampleId :
80001DL



Tgt Ion:240 Resp: 114230
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 25.7 20.2 30.2

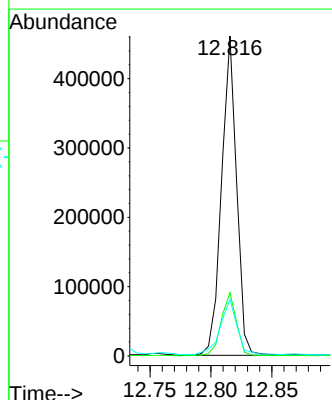
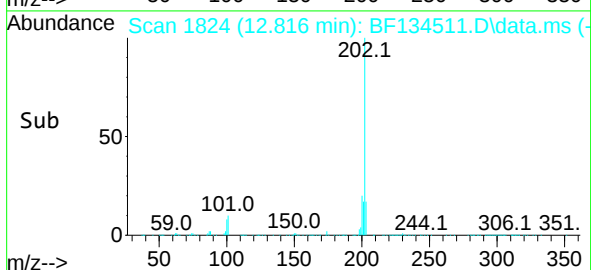
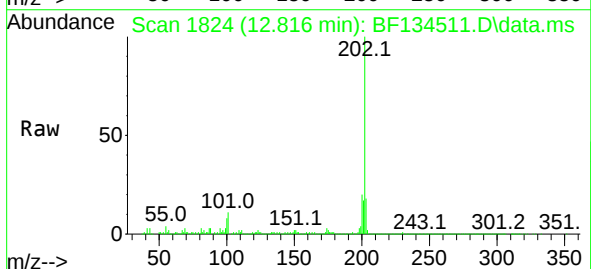
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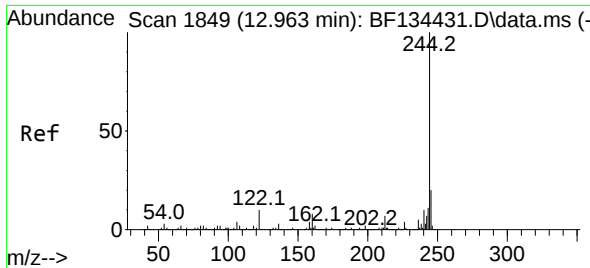
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#78
Pyrene
Concen: 43.696 ng
RT: 12.816 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

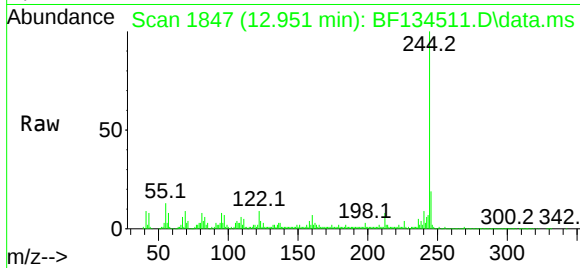
Tgt Ion:202 Resp: 396875
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.8
203 17.6 13.5 20.3





#79
 Terphenyl-d14
 Concen: 19.014 ng
 RT: 12.951 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF134511.D
 Acq: 27 Jul 2023 18:16

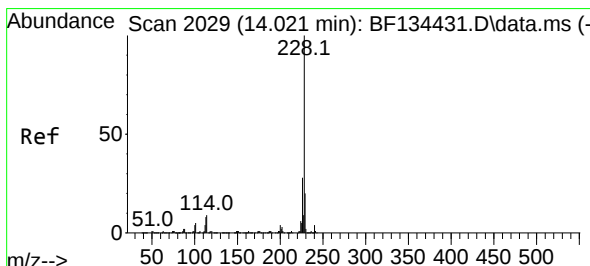
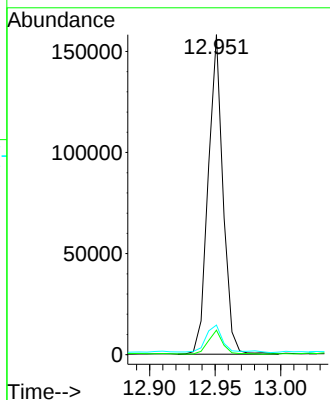
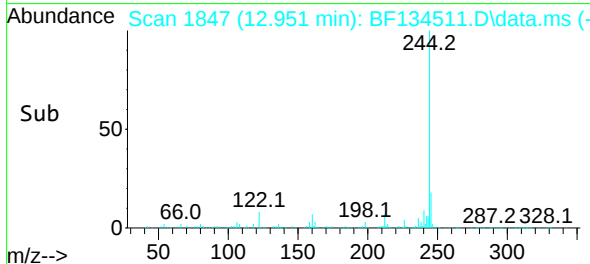
Instrument :
 BNA_F
 ClientSampleId :
 80001DL



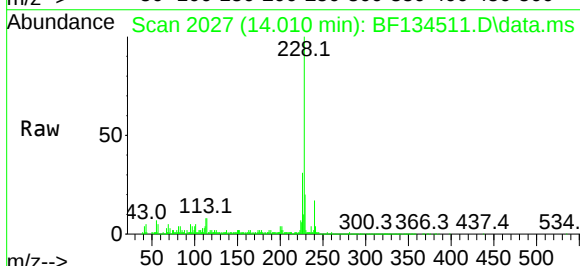
Tgt Ion:244 Resp: 12442
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.6 8.4
 122 9.2 8.0 12.0

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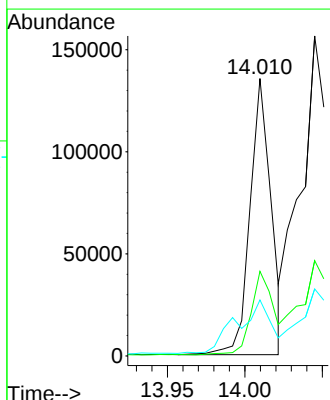
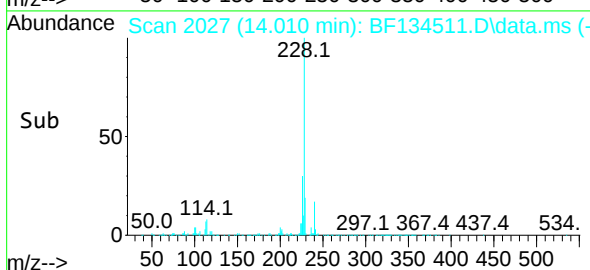
Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

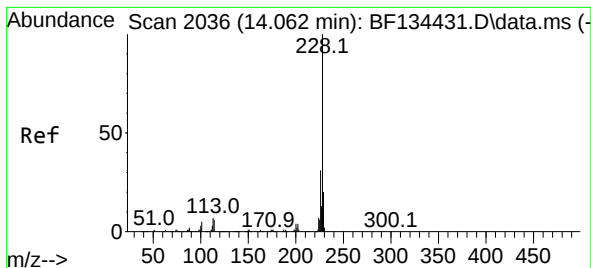


#81
 Benzo(a)anthracene
 Concen: 15.986 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. 0.000 min
 Lab File: BF134511.D
 Acq: 27 Jul 2023 18:16



Tgt Ion:228 Resp: 127403
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.3 33.5
 229 20.2 15.8 23.6





#83

Chrysene

Concen: 24.776 ng

RT: 14.045 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF134511.D

Acq: 27 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

80001DL

Tgt Ion:228 Resp: 188860

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

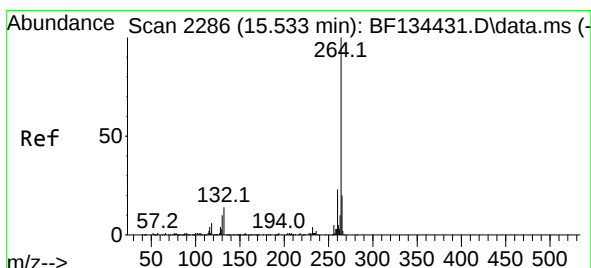
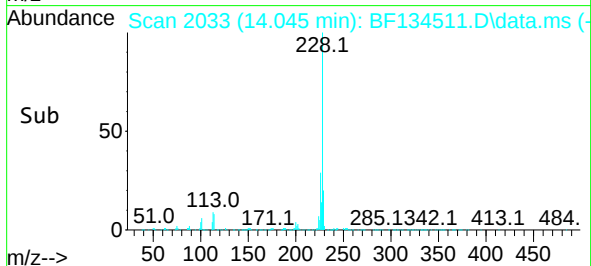
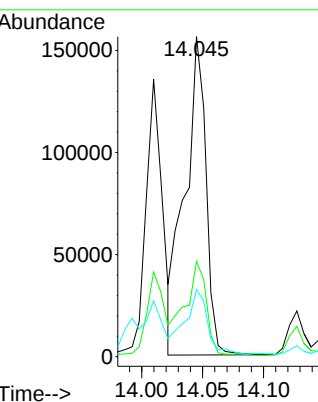
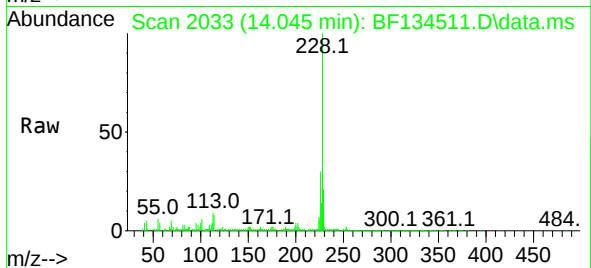
229 21.0 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 07/28/2023

Supervised By :mohammad ahmed 07/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF134511.D

Acq: 27 Jul 2023 18:16

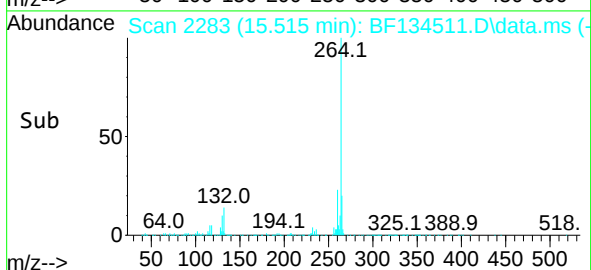
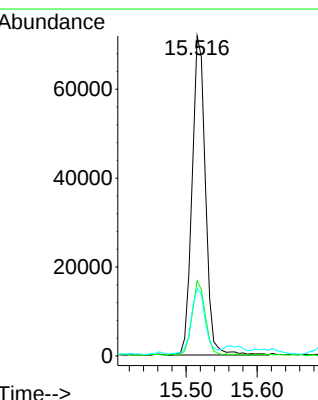
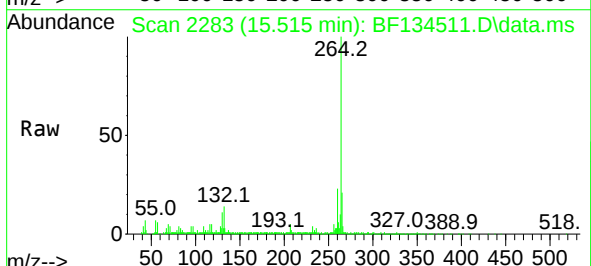
Tgt Ion:264 Resp: 94099

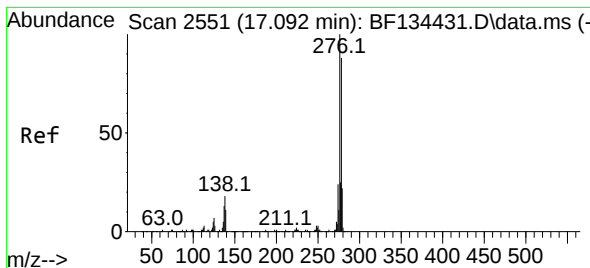
Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 21.1 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.846 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134511.D

Acq: 27 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

80001DL

Tgt Ion:276 Resp: 48230

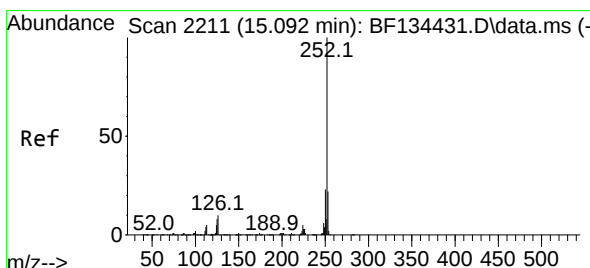
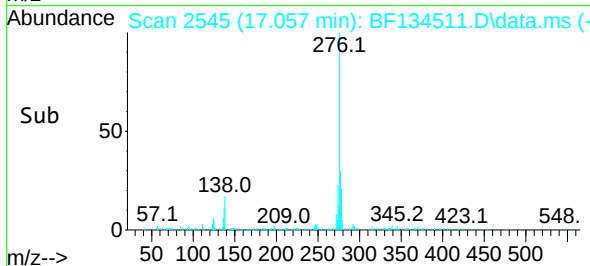
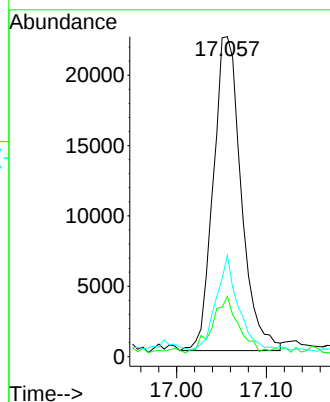
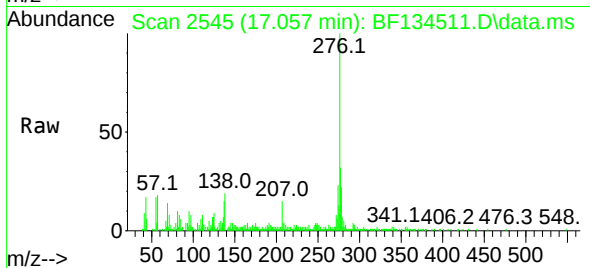
Ion	Ratio	Lower	Upper
276	100		
138	16.9	14.2	21.4
277	25.6	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/28/2023

Supervised By :mohammad ahmed 07/28/2023



#88

Benzo(b)fluoranthene

Concen: 41.392 ng m

RT: 15.080 min Scan# 2209

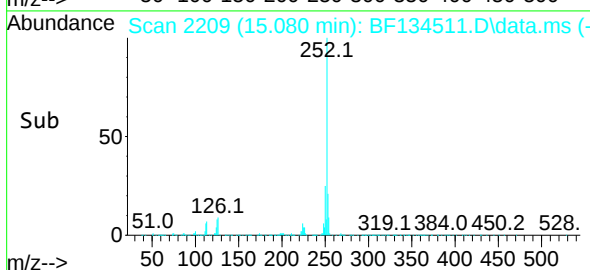
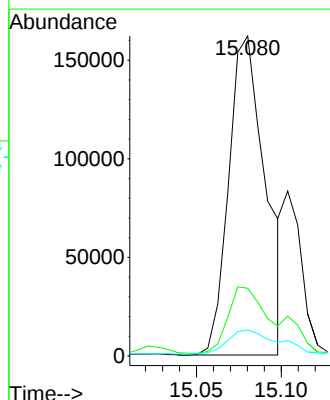
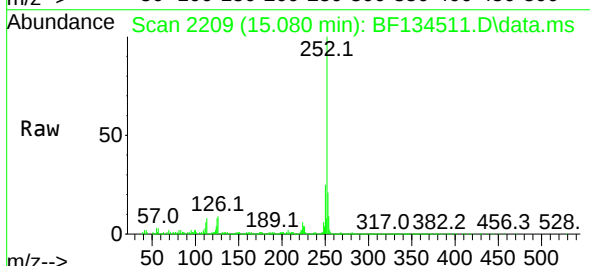
Delta R.T. 0.006 min

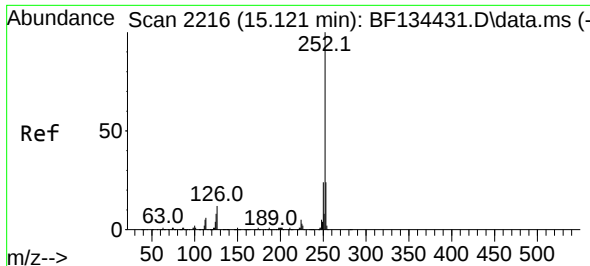
Lab File: BF134511.D

Acq: 27 Jul 2023 18:16

Tgt Ion:252 Resp: 243668

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.3	25.9
125	8.2	6.0	9.0





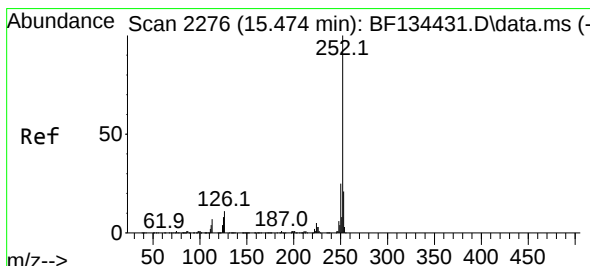
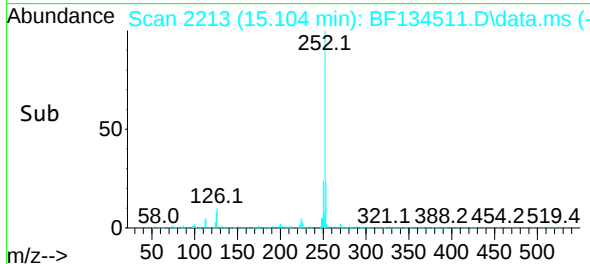
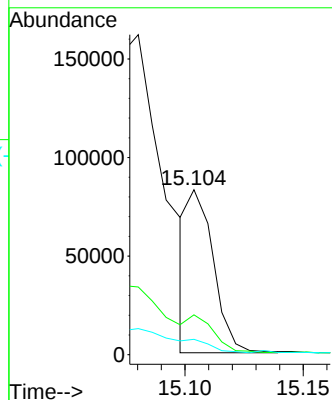
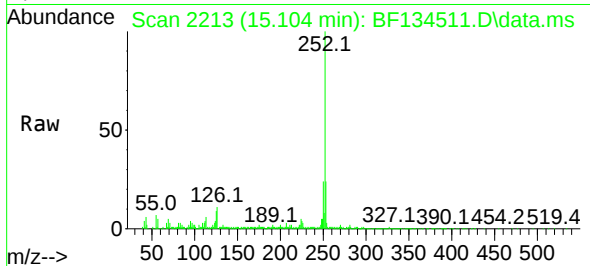
#89
Benzo(k)fluoranthene
Concen: 10.715 ng m
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

Instrument :
BNA_F
ClientSampleId :
80001DL

Tgt Ion:252 Resp: 62035
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 9.3 6.3 9.5

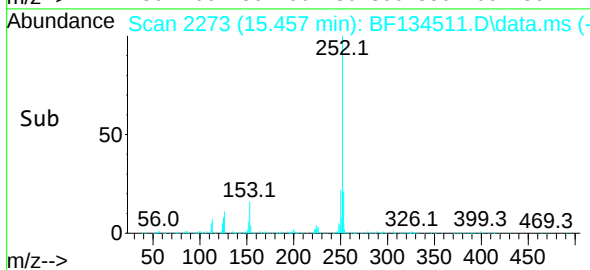
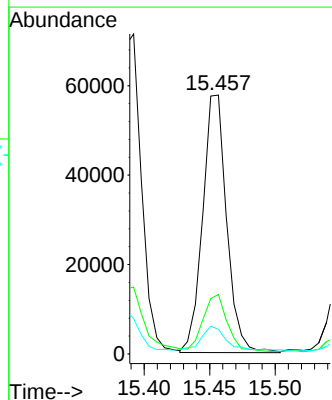
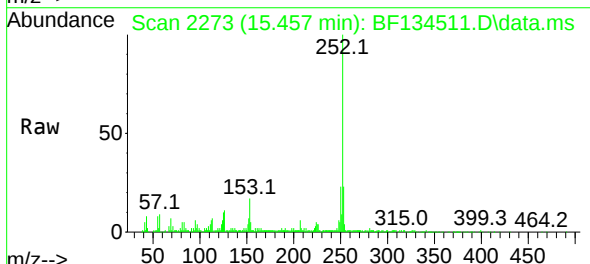
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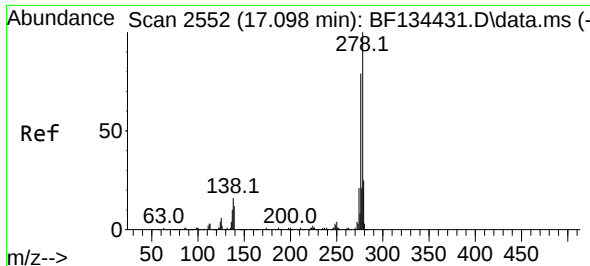
Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#90
Benzo(a)pyrene
Concen: 13.523 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

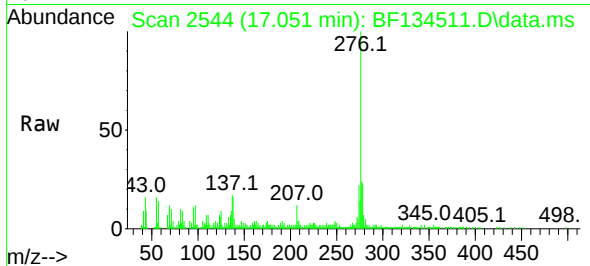
Tgt Ion:252 Resp: 73585
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 9.5 6.2 9.4#





#91
Dibenzo(a,h)anthracene
Concen: 2.484 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

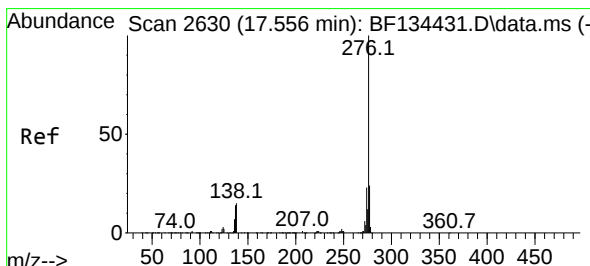
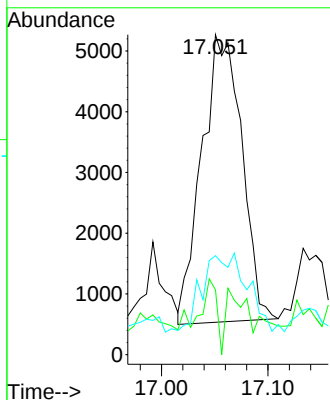
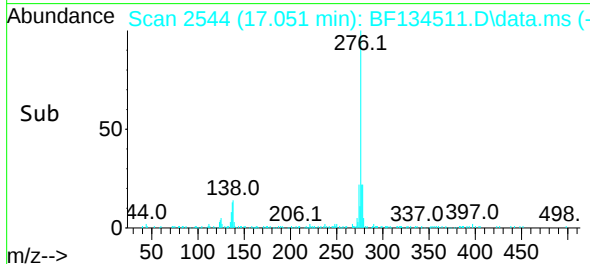
Instrument :
BNA_F
ClientSampleId :
80001DL



Tgt Ion:278 Resp: 1233
Ion Ratio Lower Upper
278 100
139 20.3 10.0 15.0
279 31.0 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



#92
Benzo(g,h,i)perylene
Concen: 7.415 ng
RT: 17.527 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF134511.D
Acq: 27 Jul 2023 18:16

Tgt Ion:276 Resp: 37800
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 14.5 12.2 18.2

