

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
 Data File : BF134468.D
 Acq On : 25 Jul 2023 18:06
 Operator : CG\JU
 Sample : 03331-08DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB17DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 25 18:41:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	126797	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	463336	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	189736	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	303807	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	108385	20.000	ng	0.00
86) Perylene-d12	15.533	264	88348	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	109259	14.237	ng	0.00
7) Phenol-d6	6.481	99	134441	14.298	ng	0.00
23) Nitrobenzene-d5	7.392	82	77663	8.481	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	26448	9.811	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	166115	11.494	ng	0.00
79) Terphenyl-d14	12.957	244	138543	22.314	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.416	166	29169	2.042	ng	# 94
71) Phenanthrene	11.386	178	379252	23.892	ng	98
72) Anthracene	11.439	178	111977	6.835	ng	99
75) Fluoranthene	12.586	202	676885	36.589	ng	97
78) Pyrene	12.821	202	614756	71.334	ng	98
80) Butylbenzylphthalate	13.439	149	360418	104.406	ng	100
81) Benzo(a)anthracene	14.016	228	155257	20.532	ng	99
83) Chrysene	14.051	228	131185	18.138	ng	97
84) Bis(2-ethylhexyl)phtha...	13.998	149	531660	126.771	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	46562	8.067	ng	100
88) Benzo(b)fluoranthene	15.092	252	134091m	24.261	ng	
89) Benzo(k)fluoranthene	15.115	252	32500m	5.979	ng	
90) Benzo(a)pyrene	15.468	252	87563m	17.140	ng	
91) Dibenzo(a,h)anthracene	17.074	278	12186	2.614	ng	# 90
92) Benzo(g,h,i)perylene	17.551	276	43270	9.041	ng	# 90

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

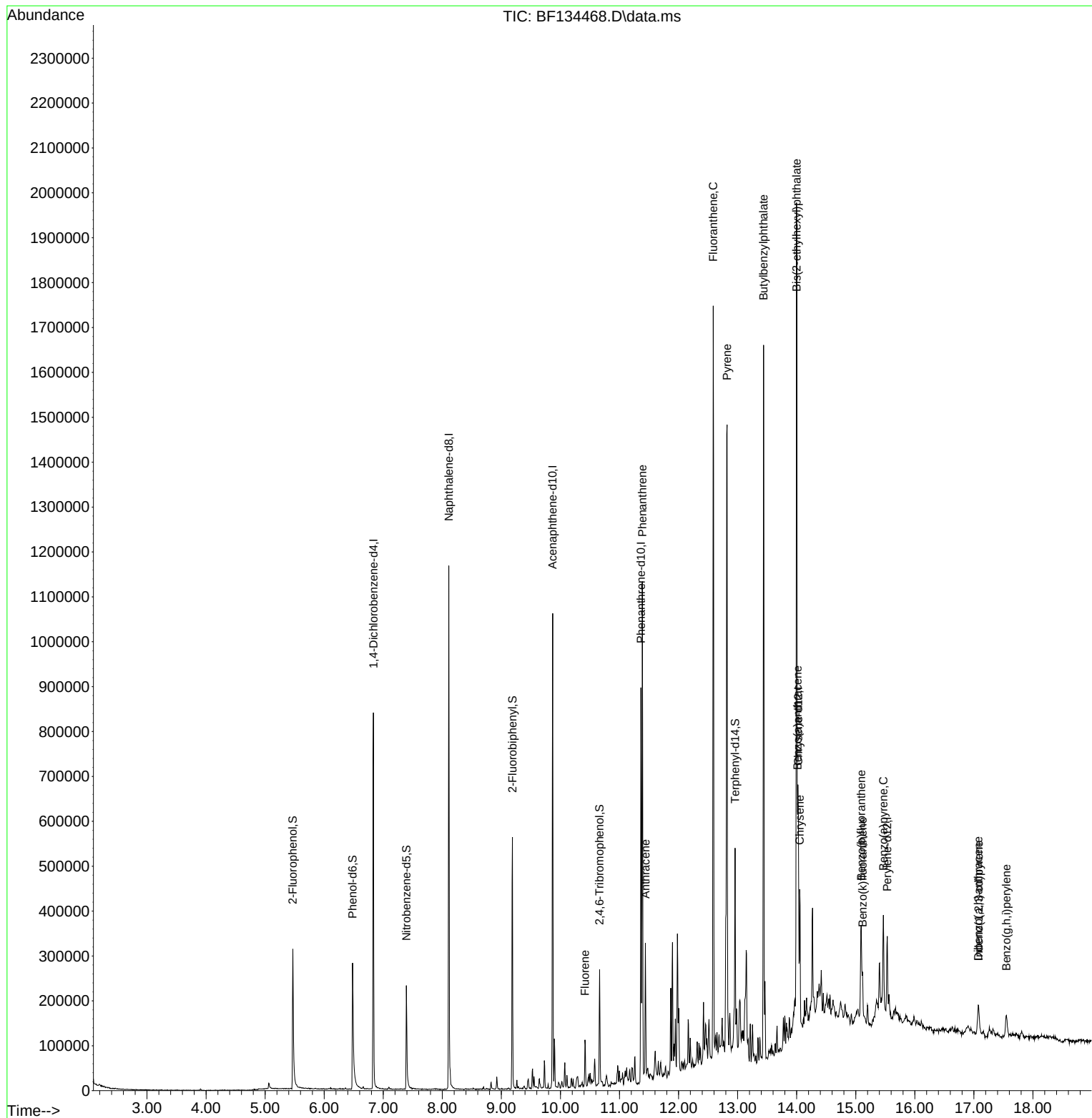
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134468.D
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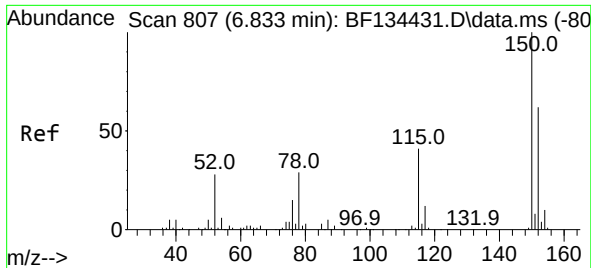
Instrument :
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Quant Time: Jul 25 18:41:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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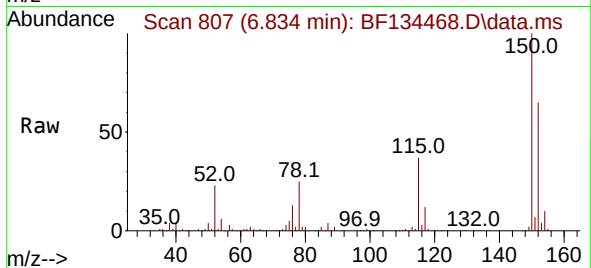
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

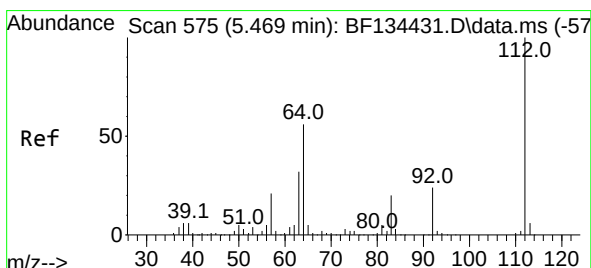
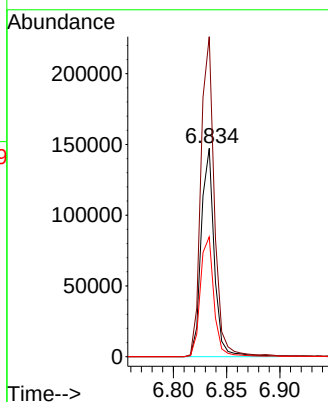
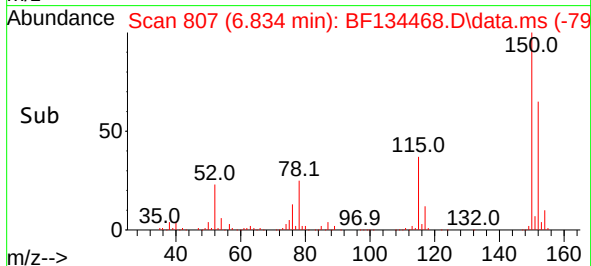
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:152 Resp: 12679
Ion Ratio Lower Upper
152 100
150 153.6 128.3 192.5
115 57.5 52.4 78.6

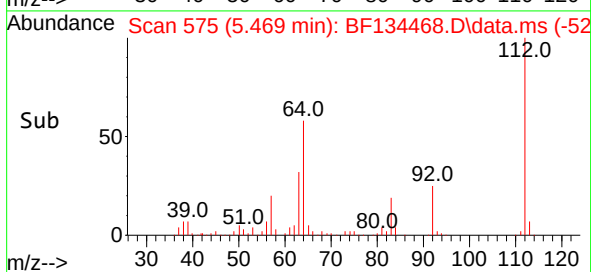
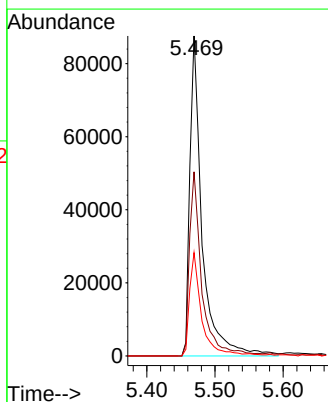
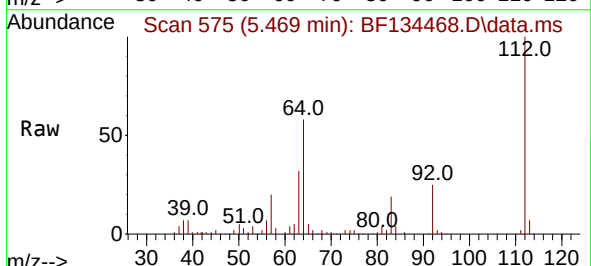
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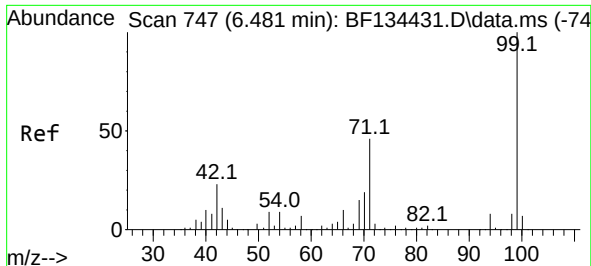
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#5
2-Fluorophenol
Concen: 14.237 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

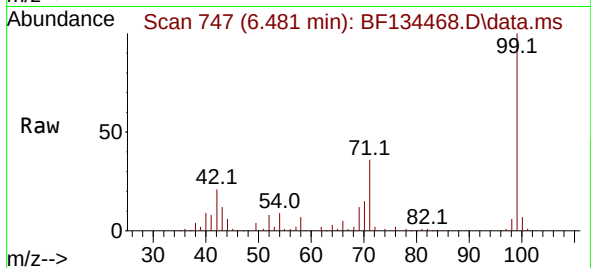
Tgt Ion:112 Resp: 109259
Ion Ratio Lower Upper
112 100
64 57.6 44.9 67.3
63 32.3 25.4 38.0





#7
Phenol-d6
Concen: 14.298 ng
RT: 6.481 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

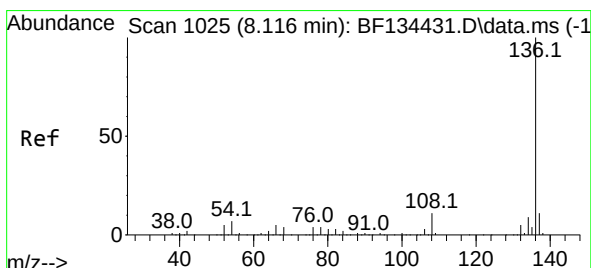
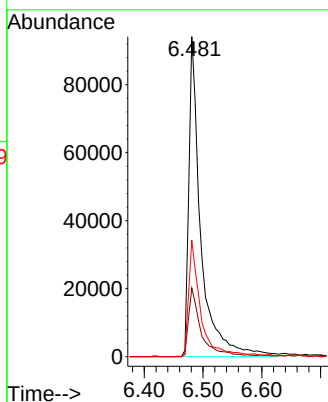
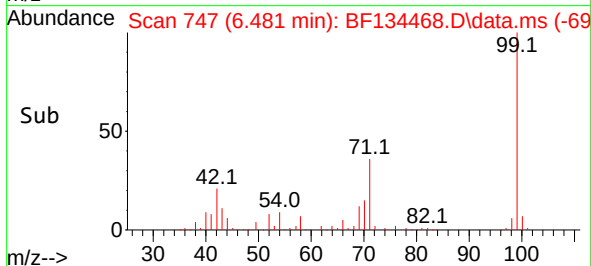
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion: 99 Resp: 13444
Ion Ratio Lower Upper
99 100
42 21.4 18.7 28.1
71 36.3 36.4 54.6

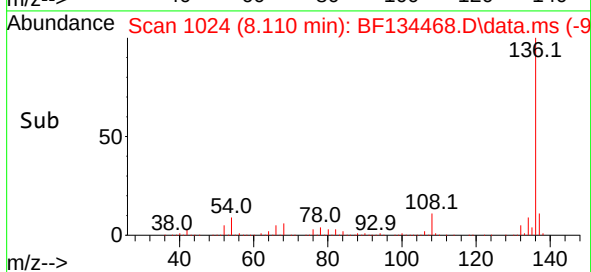
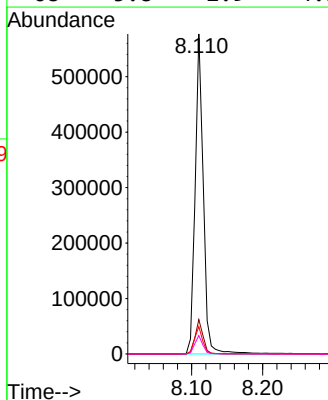
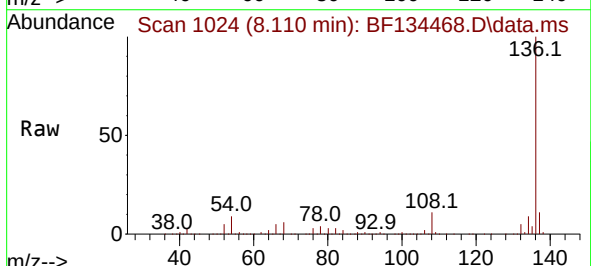
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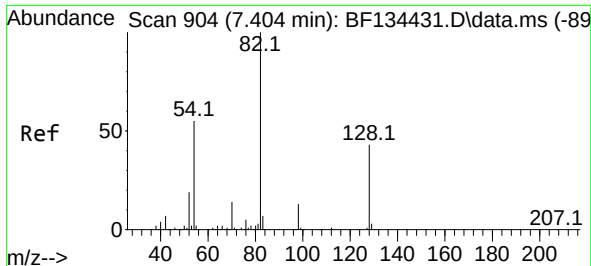
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

Tgt Ion:136 Resp: 463336
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.6 5.2 7.8#
68 5.8 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 8.481 ng

RT: 7.392 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF134468.D

Acq: 25 Jul 2023 18:06

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB17DL

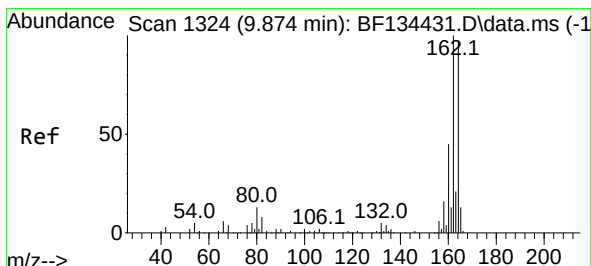
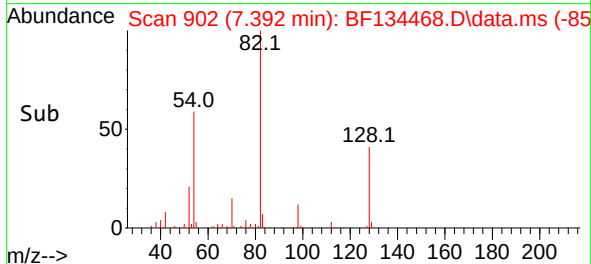
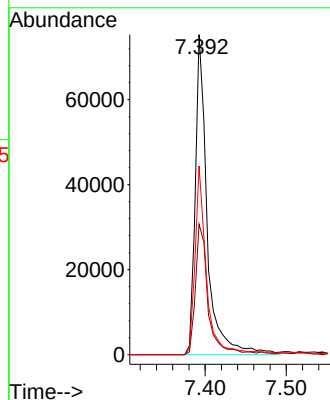
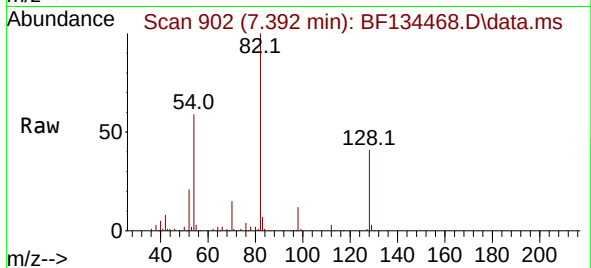
Tgt Ion:	82	Resp:	7766
Ion Ratio	Lower	Upper	
82	100		
128	40.8	34.3	51.5
54	58.9	43.8	65.6

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Supervised By :mohammad ahmed 07/26/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

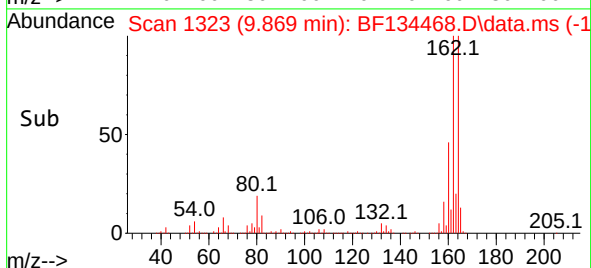
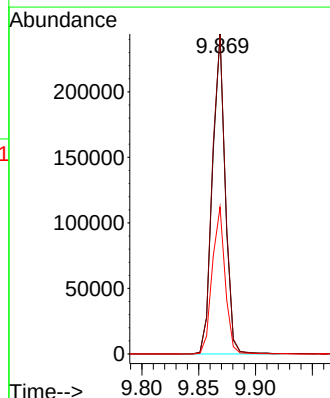
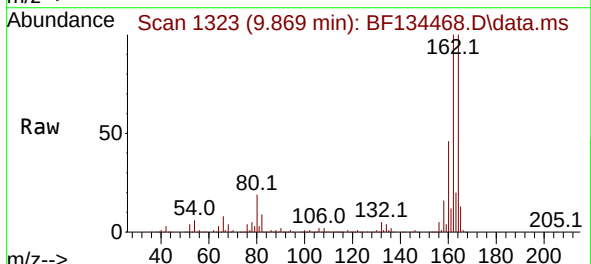
RT: 9.869 min Scan# 1323

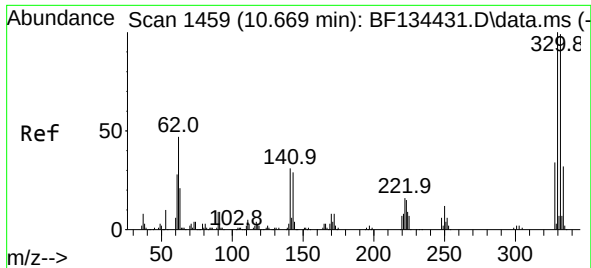
Delta R.T. -0.006 min

Lab File: BF134468.D

Acq: 25 Jul 2023 18:06

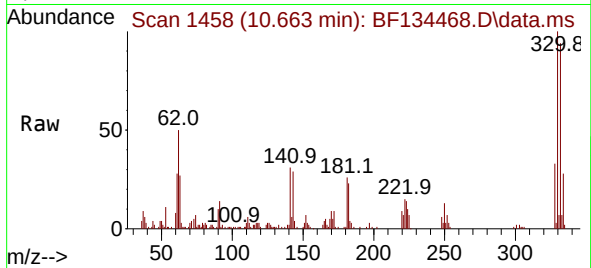
Tgt Ion:	164	Resp:	189736
Ion Ratio	Lower	Upper	
164	100		
162	99.8	82.6	123.8
160	45.9	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 9.811 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

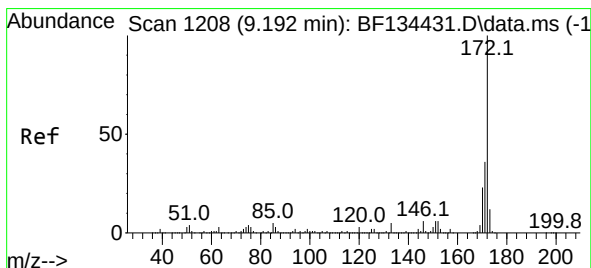
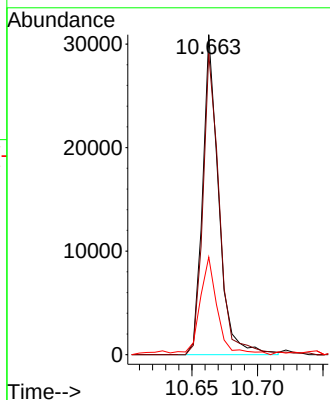
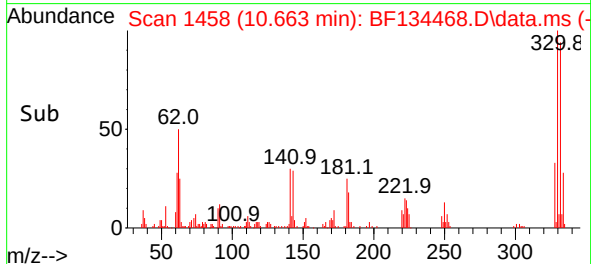
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



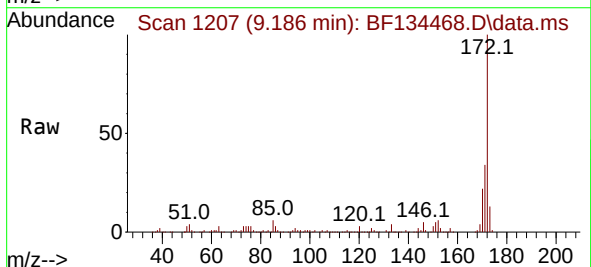
Tgt Ion: 330 Resp: 26448
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 33.2 25.4 38.2

Manual Integrations
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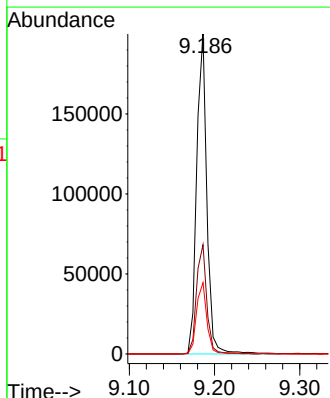
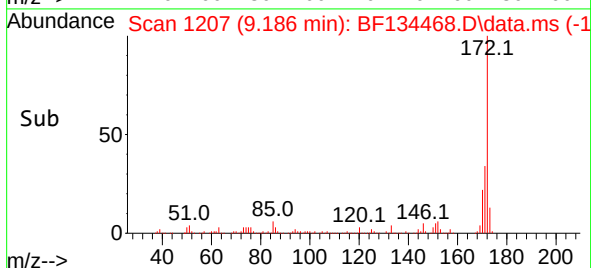
Reviewed By : Yogesh Patel 07/26/2023
Supervised By : mohammad ahmed 07/26/2023

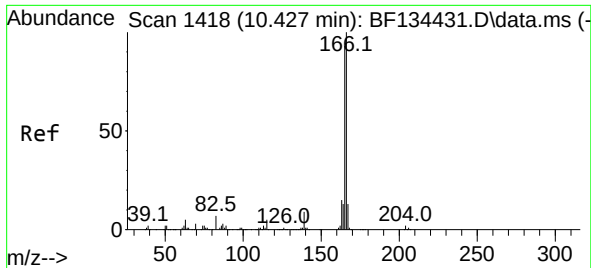


#45
2-Fluorobiphenyl
Concen: 11.494 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06



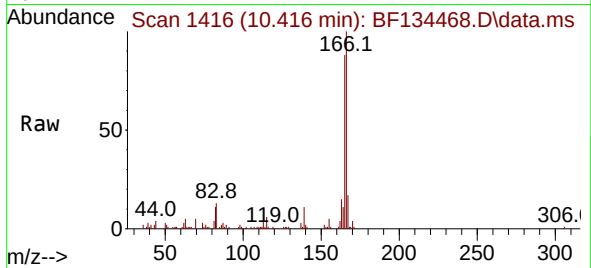
Tgt Ion: 172 Resp: 166115
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 22.3 18.7 28.1





#58
Fluorene
Concen: 2.042 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

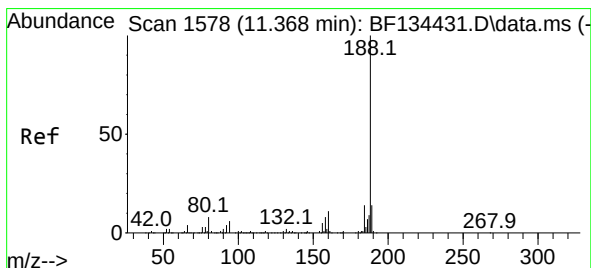
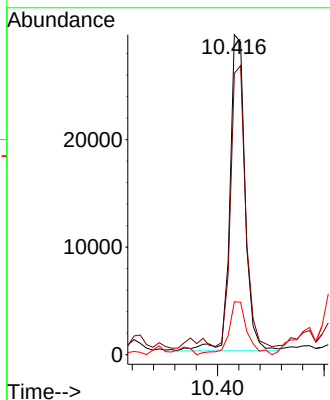
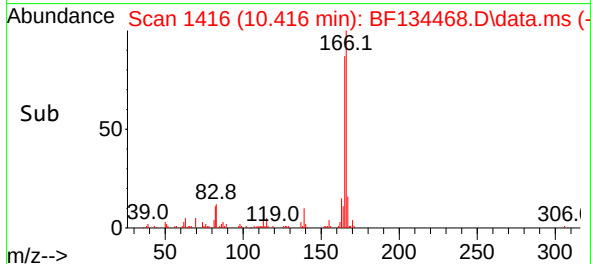
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:166 Resp: 29169
Ion Ratio Lower Upper
166 100
165 87.9 74.5 111.7
167 16.5 10.6 16.0

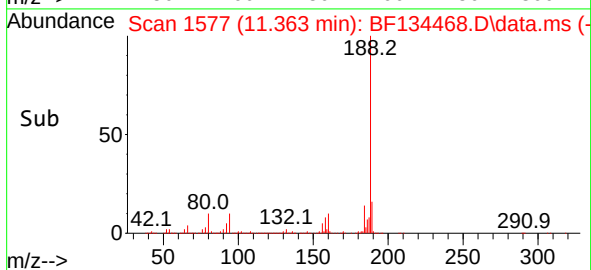
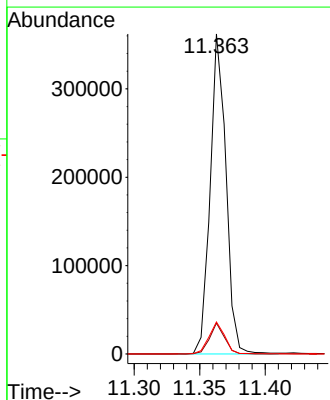
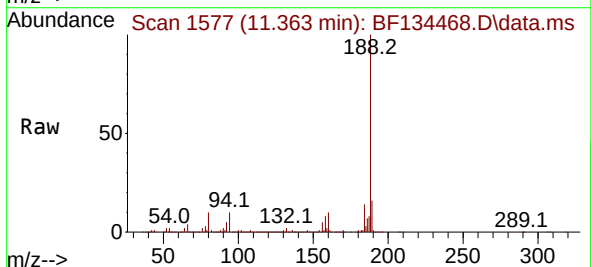
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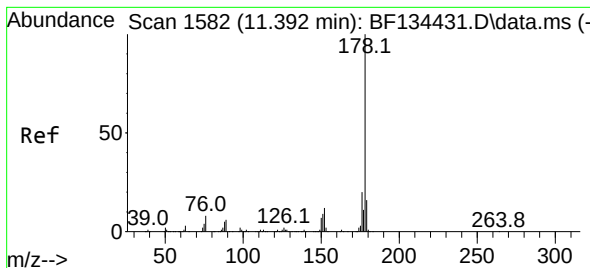
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

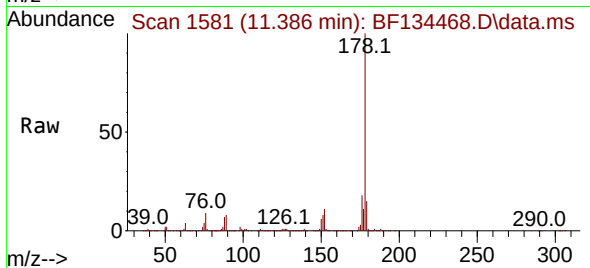
Tgt Ion:188 Resp: 303807
Ion Ratio Lower Upper
188 100
94 9.6 5.1 7.7#
80 10.0 6.6 9.8#





#71
Phenanthrene
Concen: 23.892 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

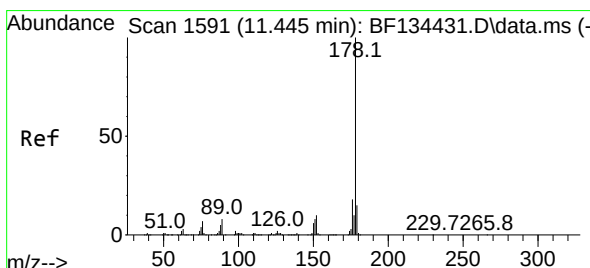
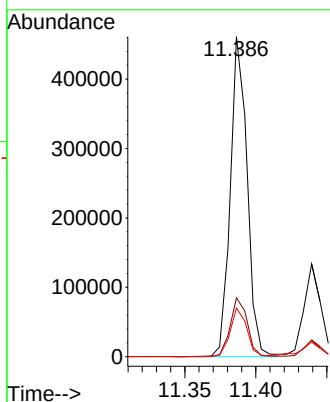
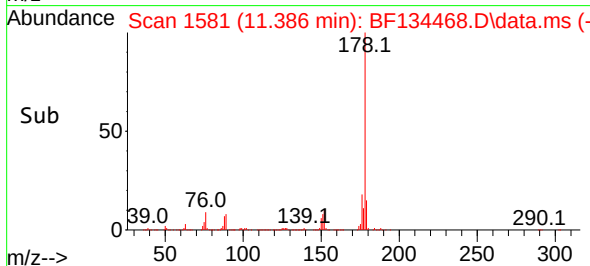
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BNA_F
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COMPOSITE-SB17DL



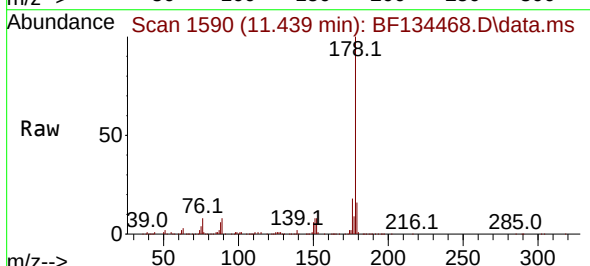
Tgt Ion:178 Resp: 379252
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 15.2 12.7 19.1

Manual Integrations
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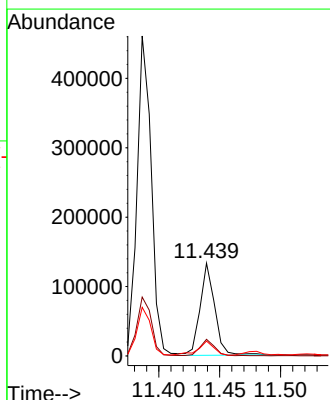
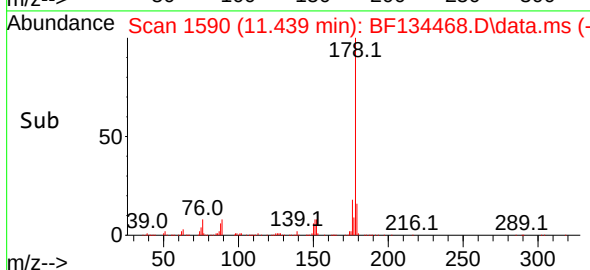
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

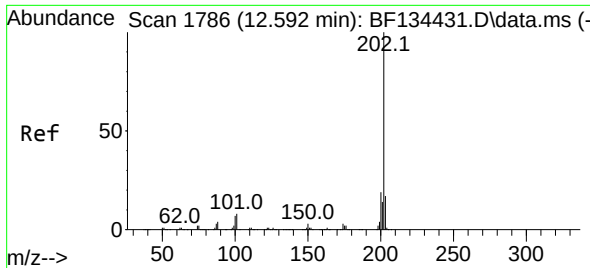


#72
Anthracene
Concen: 6.835 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06



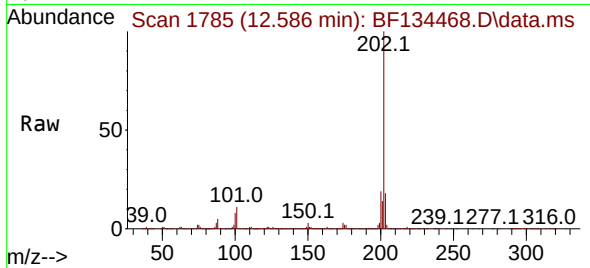
Tgt Ion:178 Resp: 111977
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 16.0 12.3 18.5





#75
Fluoranthene
Concen: 36.589 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

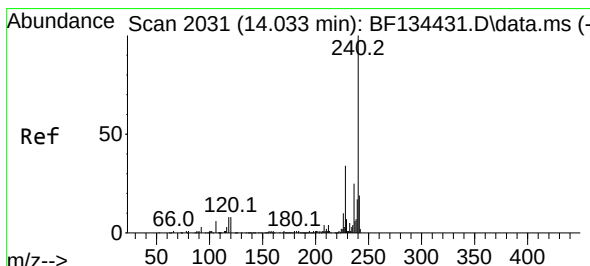
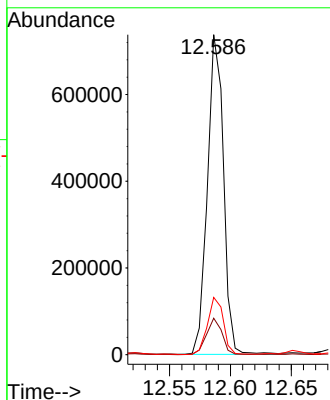
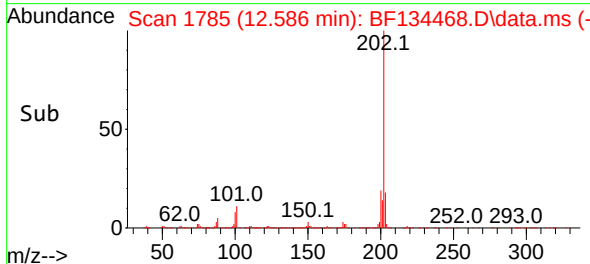
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:202 Resp: 676885
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.9 0.0 37.5

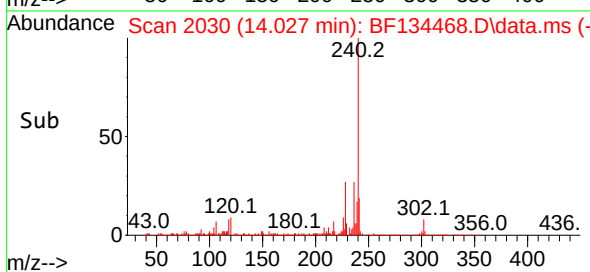
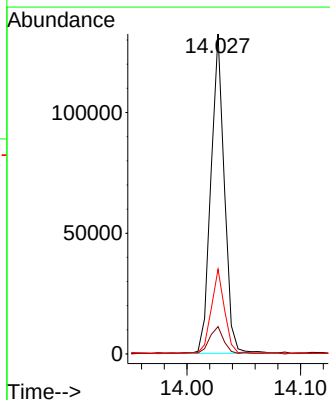
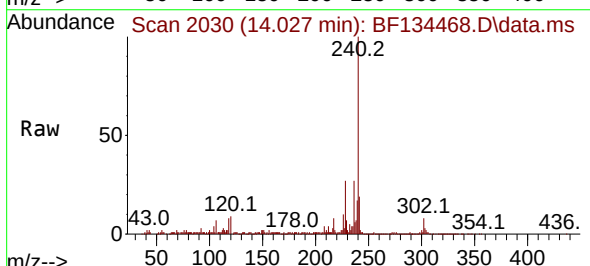
Manual Integrations
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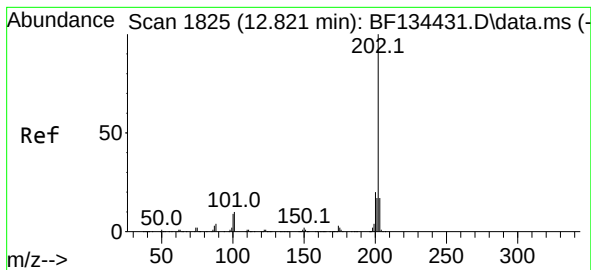
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

Tgt Ion:240 Resp: 108385
Ion Ratio Lower Upper
240 100
120 8.5 6.6 10.0
236 26.5 20.2 30.2





#78

Pyrene

Concen: 71.334 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF134468.D

Acq: 25 Jul 2023 18:06

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB17DL

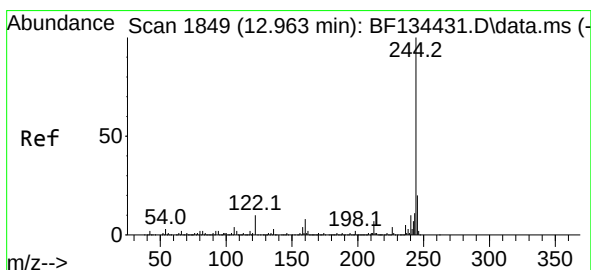
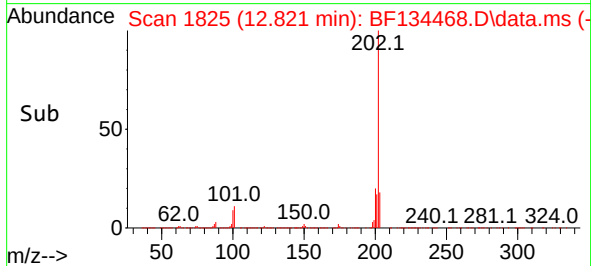
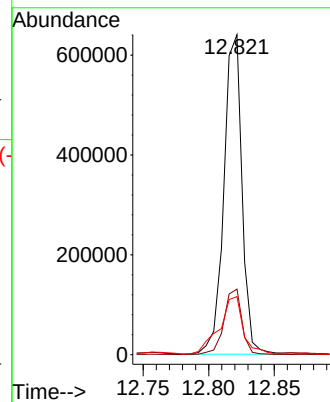
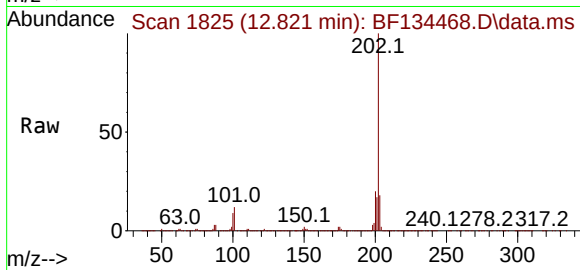
Tgt Ion:202 Resp: 614750
 Ion Ratio Lower Upper
 202 100
 200 20.5 15.8 23.8
 203 18.1 13.5 20.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#79

Terphenyl-d14

Concen: 22.314 ng

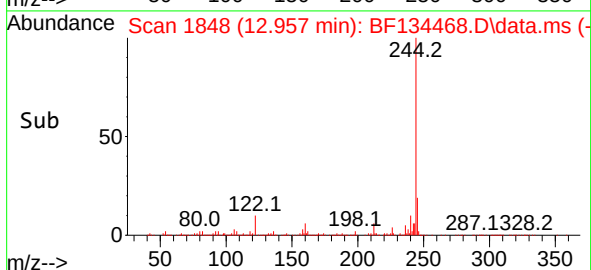
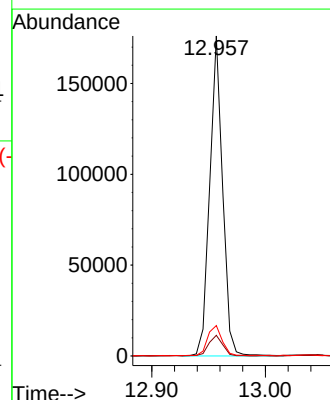
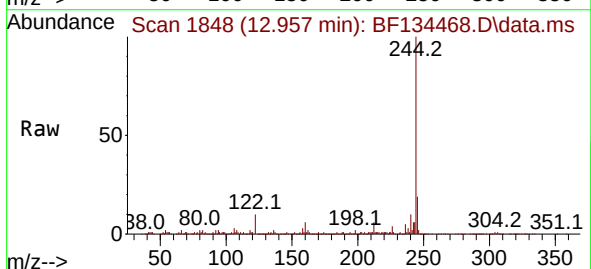
RT: 12.957 min Scan# 1848

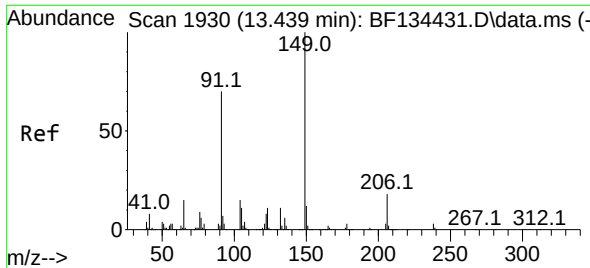
Delta R.T. -0.006 min

Lab File: BF134468.D

Acq: 25 Jul 2023 18:06

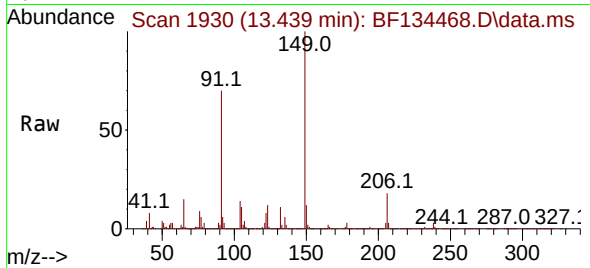
Tgt Ion:244 Resp: 138543
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 9.5 8.0 12.0





#80
Butylbenzylphthalate
Concen: 104.406 ng
RT: 13.439 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

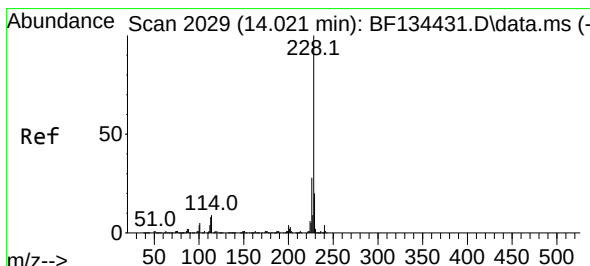
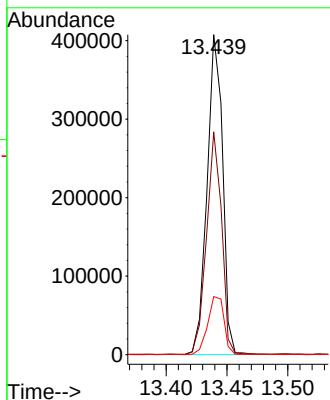
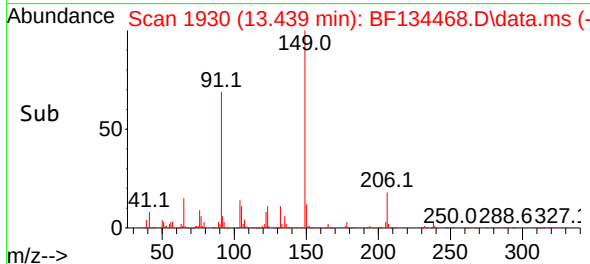
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:149 Resp: 360418
Ion Ratio Lower Upper
149 100
91 69.6 55.8 83.6
206 18.2 14.6 21.8

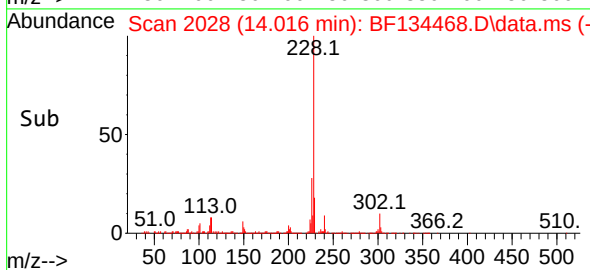
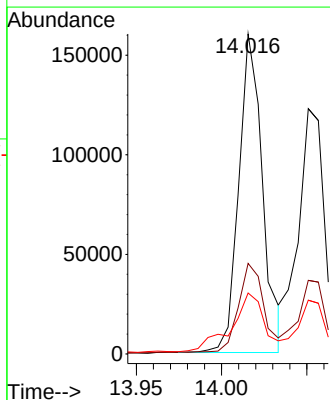
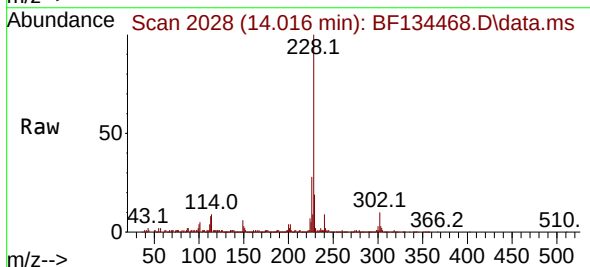
Manual Integrations
APPROVED

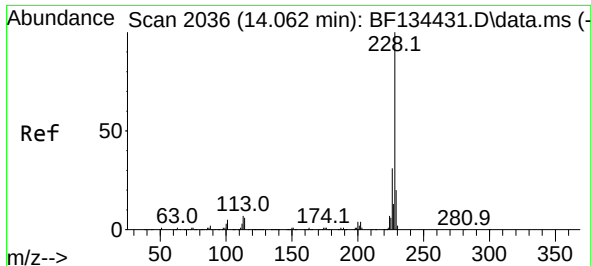
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#81
Benzo(a)anthracene
Concen: 20.532 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

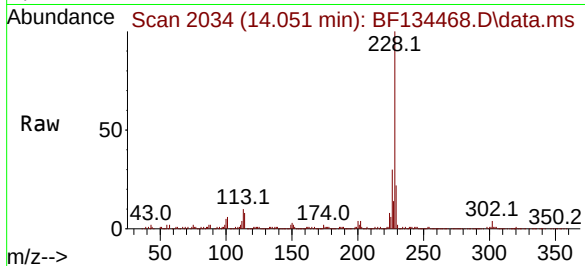
Tgt Ion:228 Resp: 155257
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 19.1 15.8 23.6





#83
Chrysene
Concen: 18.138 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

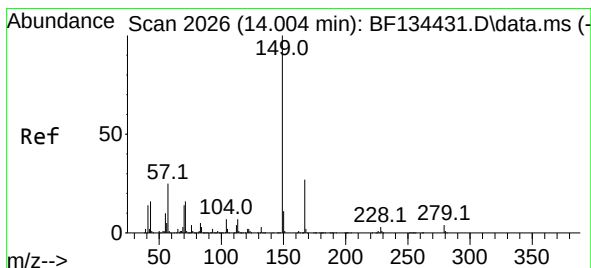
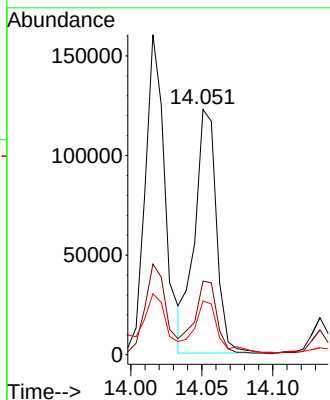
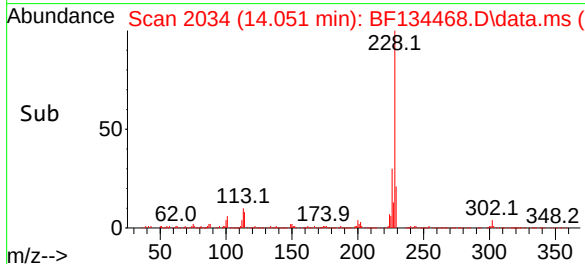
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:228 Resp: 131185
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 22.0 15.8 23.8

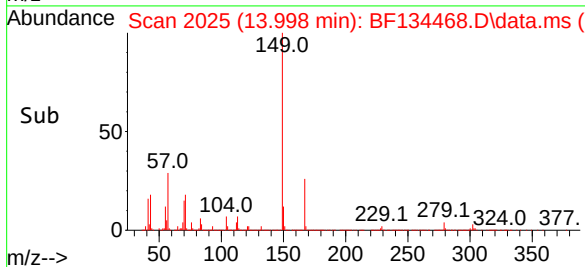
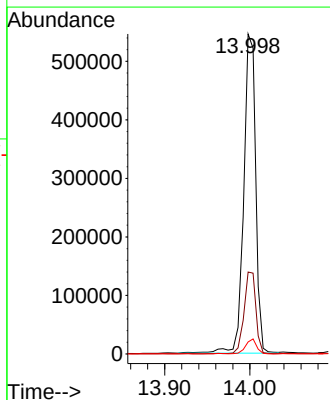
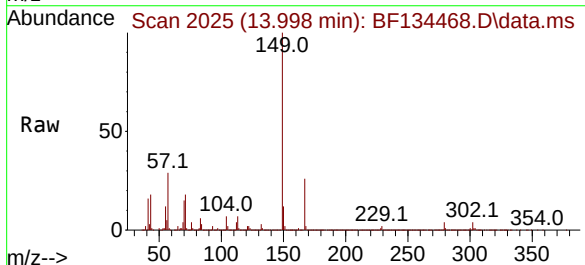
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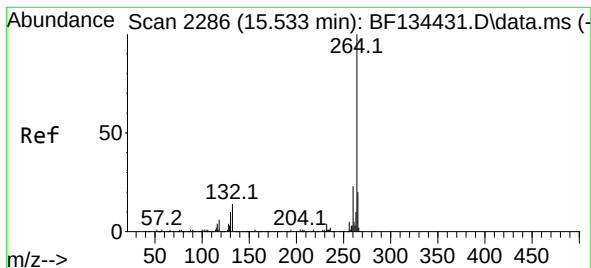
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 126.771 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

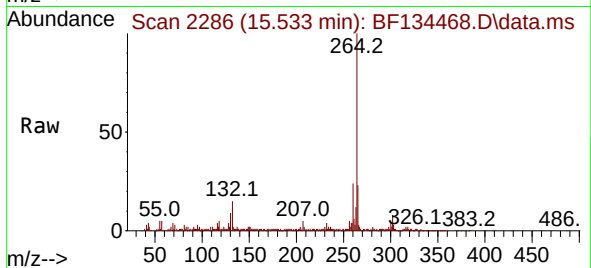
Tgt Ion:149 Resp: 531660
Ion Ratio Lower Upper
149 100
167 25.6 21.6 32.4
279 3.7 3.5 5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

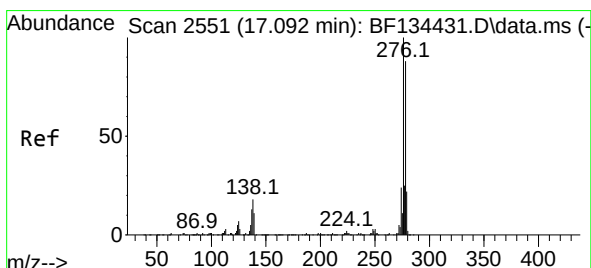
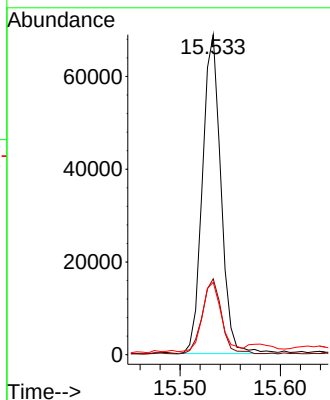
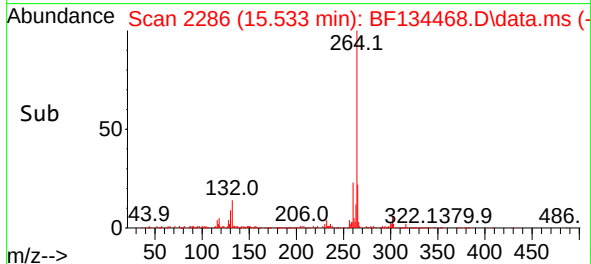
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:264 Resp: 8834
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 22.6 15.8 23.8

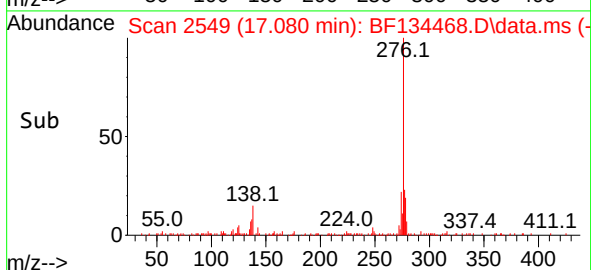
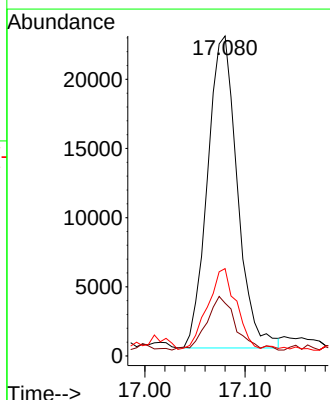
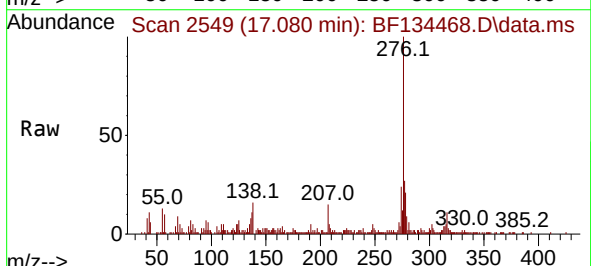
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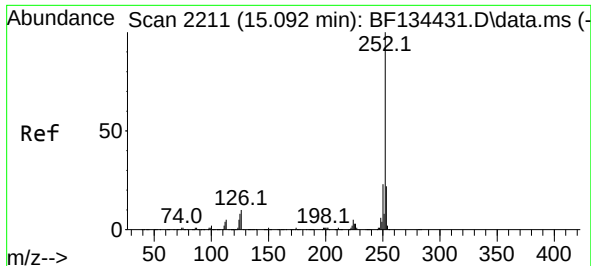
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.067 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.012 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

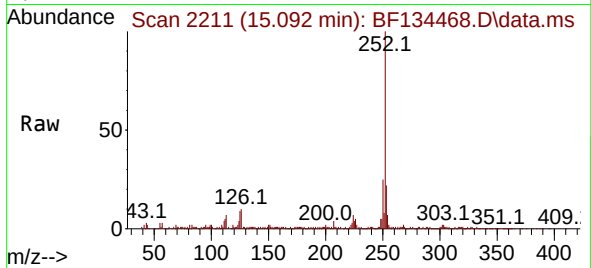
Tgt Ion:276 Resp: 46562
Ion Ratio Lower Upper
276 100
138 17.7 14.2 21.4
277 24.7 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 24.261 ng m
RT: 15.092 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

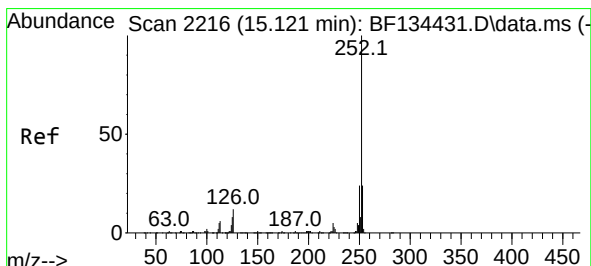
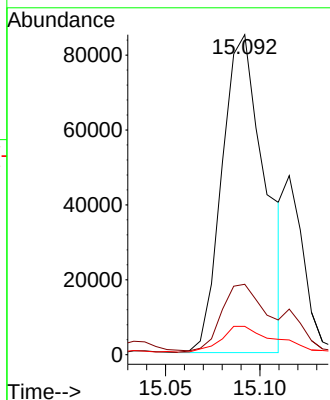
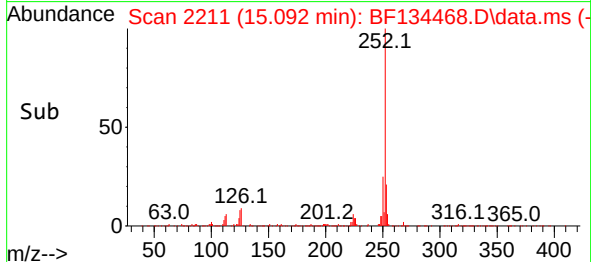
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:252 Resp: 13409
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 8.8 6.0 9.0

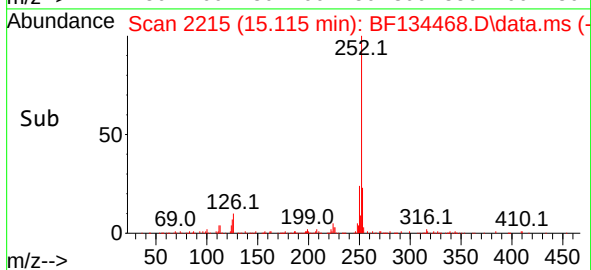
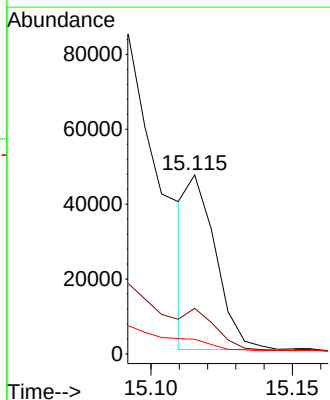
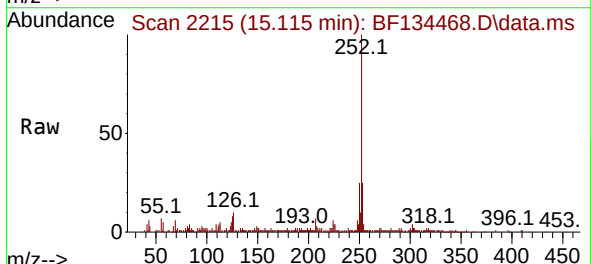
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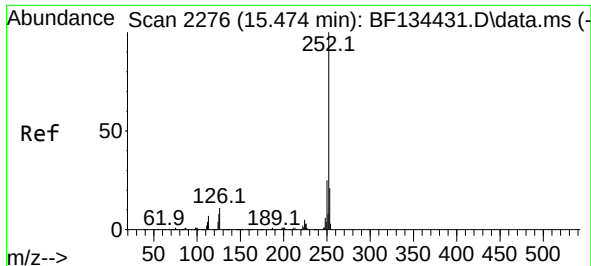
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#89
Benzo(k)fluoranthene
Concen: 5.979 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

Tgt Ion:252 Resp: 32500
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 8.3 6.3 9.5





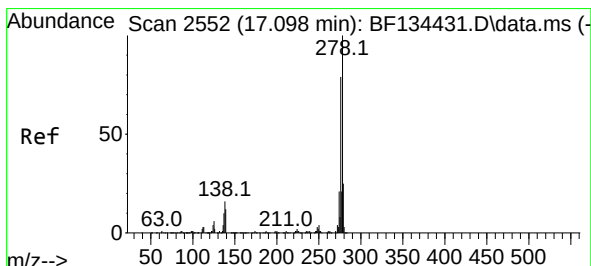
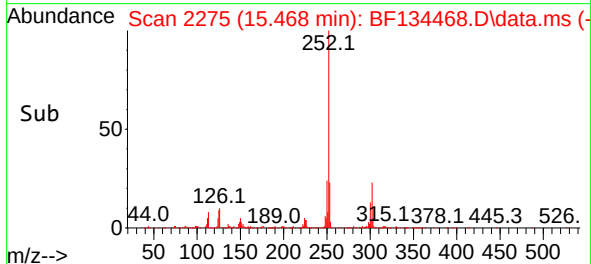
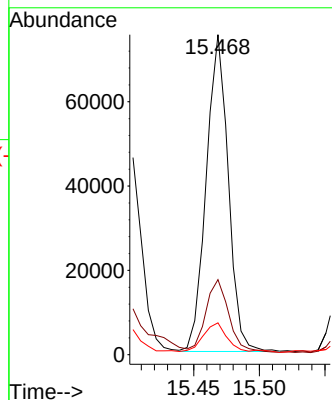
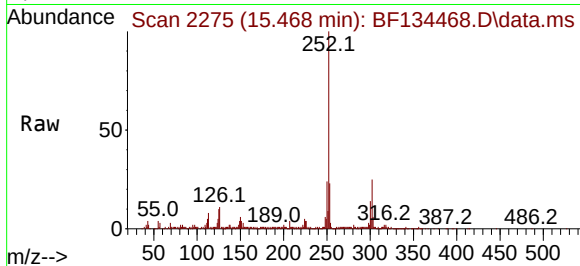
#90
Benzo(a)pyrene
Concen: 17.140 ng m
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL

Tgt Ion:252 Resp: 8756
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 9.9 6.2 9.4

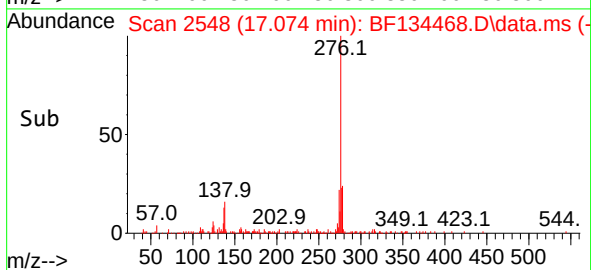
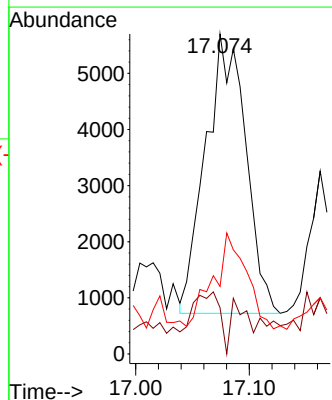
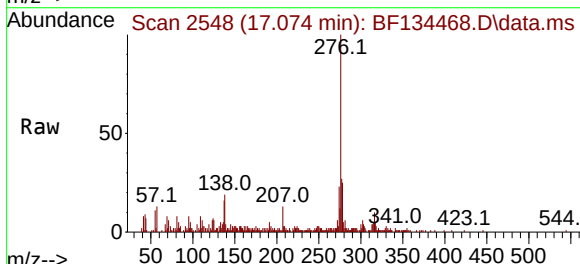
Manual Integrations
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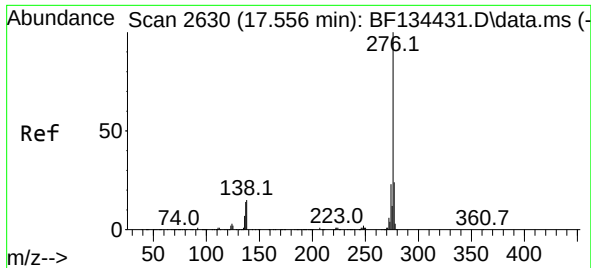
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.614 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.023 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

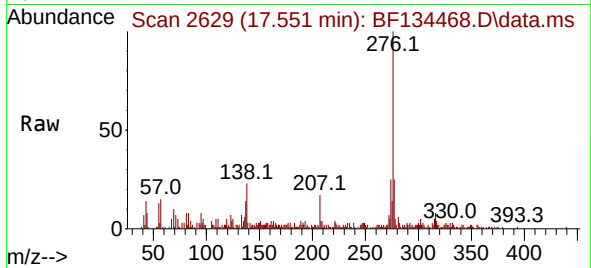
Tgt Ion:278 Resp: 12186
Ion Ratio Lower Upper
278 100
139 18.7 10.0 15.0#
279 21.1 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 9.041 ng
RT: 17.551 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134468.D
Acq: 25 Jul 2023 18:06

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB17DL



Tgt Ion:276 Resp: 43270
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.6
138 23.2 12.2 18.2

Manual Integrations
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Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

