

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134635.D
 Acq On : 04 Aug 2023 16:27
 Operator : CG\JU
 Sample : 03860-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2B

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

Quant Time: Aug 05 00:07:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	317932	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	1135415	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	451887	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	744172	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	720001	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	559571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	895418	42.812	ng	0.00
7) Phenol-d6	6.428	99	1115365	41.718	ng	-0.01
23) Nitrobenzene-d5	7.357	82	635646	34.986	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	195573	42.455	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1032012	37.972	ng	-0.01
79) Terphenyl-d14	12.915	244	1065686	26.092	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	333030	8.425	ng	98
72) Anthracene	11.392	178	97478	2.414	ng	99
73) Carbazole	11.551	167	72102	2.000	ng	98
75) Fluoranthene	12.539	202	1258732	30.147	ng	97
78) Pyrene	12.768	202	1075272	17.259	ng	98
81) Benzo(a)anthracene	13.957	228	728990	14.160	ng	99
83) Chrysene	13.998	228	758585	15.124	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	364251	11.068	ng	# 95
88) Benzo(b)fluoranthene	15.009	252	951327m	27.876	ng	
89) Benzo(k)fluoranthene	15.033	252	252642m	7.431	ng	
90) Benzo(a)pyrene	15.374	252	535820	16.839	ng	# 95
91) Dibenzo(a,h)anthracene	16.933	278	86199m	3.241	ng	
92) Benzo(g,h,i)perylene	17.368	276	330172	12.170	ng	# 92

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

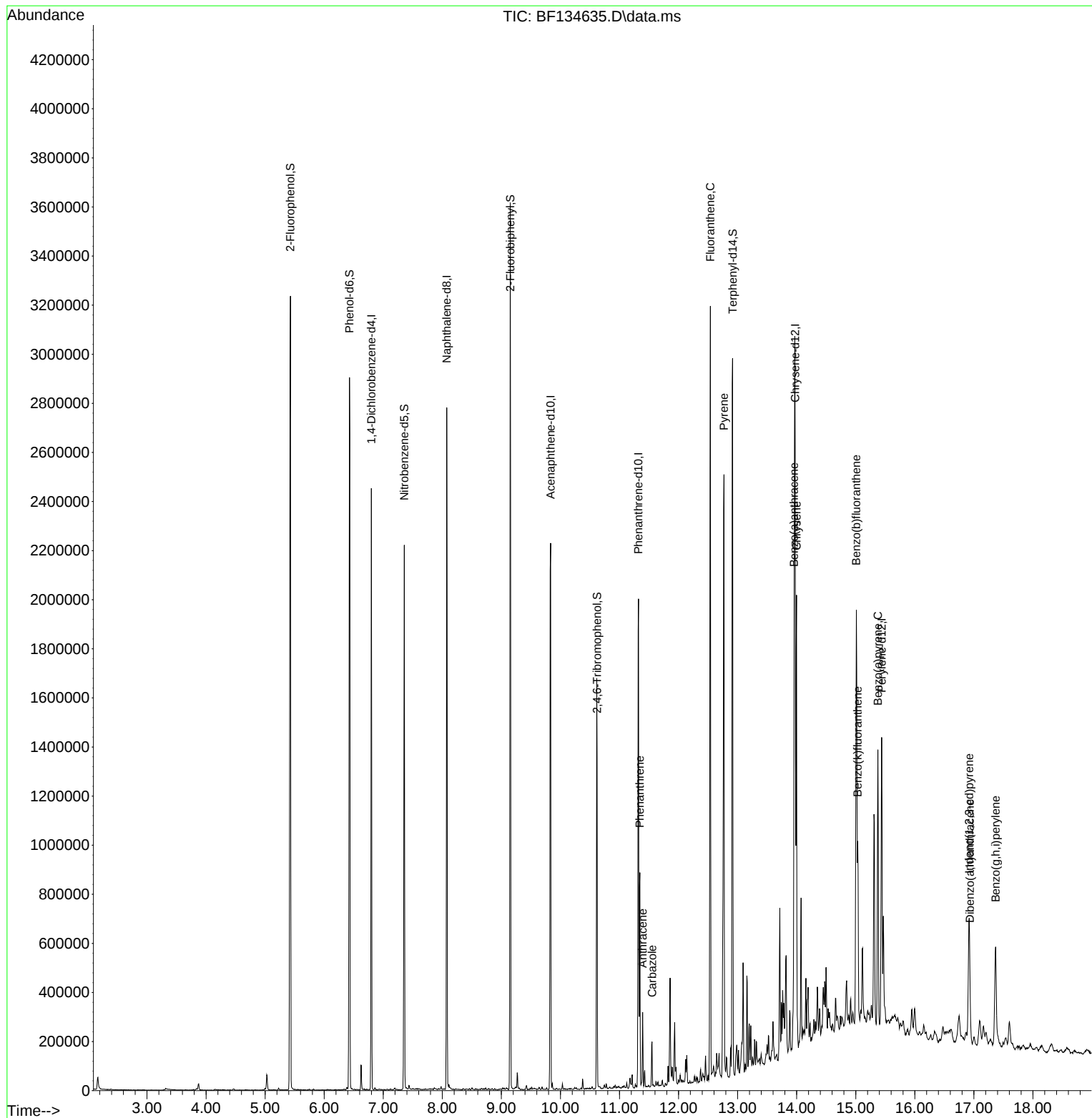
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134635.D
Acq On : 04 Aug 2023 16:27
Operator : CG\JU
Sample : 03860-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

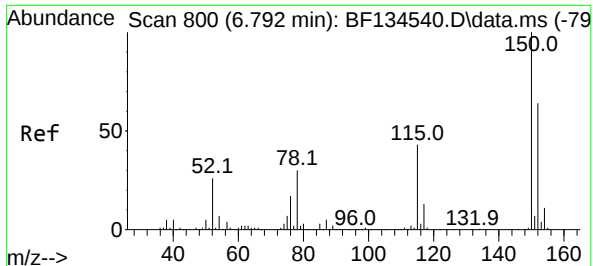
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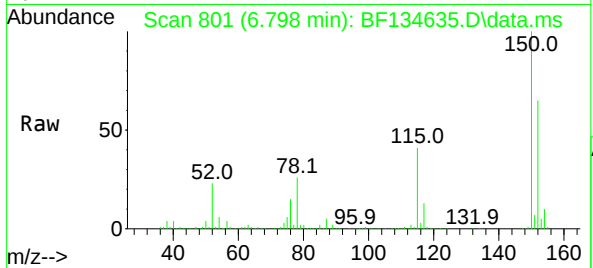
Quant Time: Aug 05 00:07:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

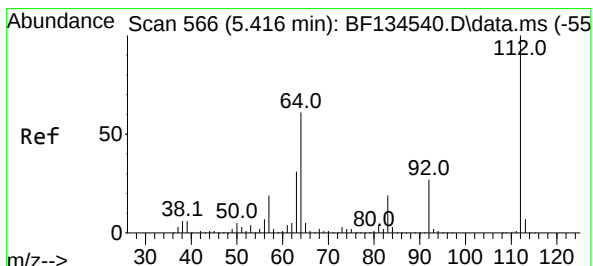
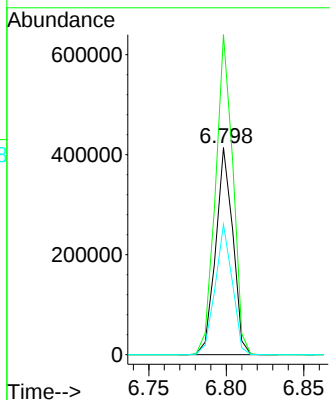
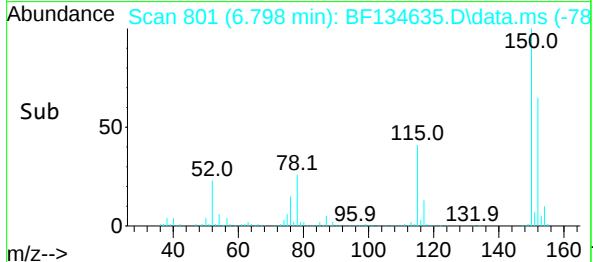
Instrument :
BNA_F
ClientSampleId :
SP-2B



Tgt Ion:152 Resp: 317932
Ion Ratio Lower Upper
152 100
150 154.6 128.3 192.5
115 62.9 52.4 78.6

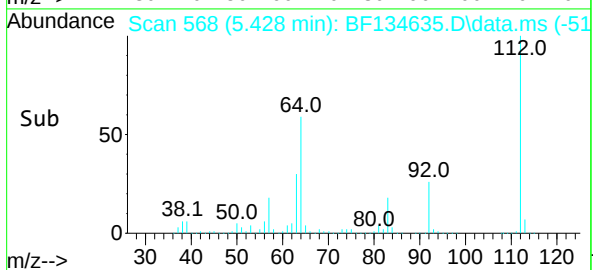
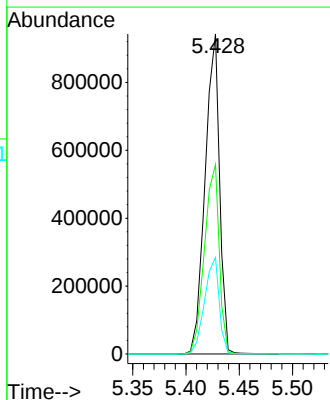
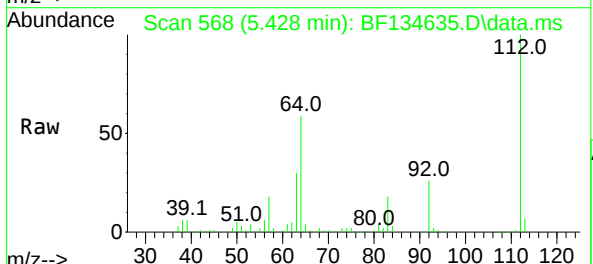
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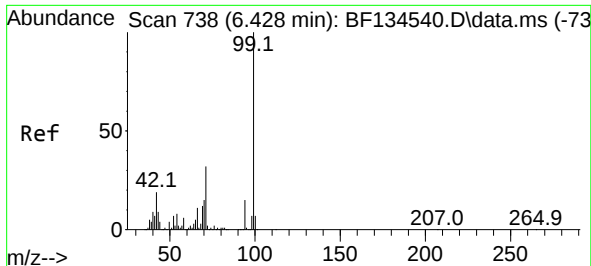
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#5
2-Fluorophenol
Concen: 42.812 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

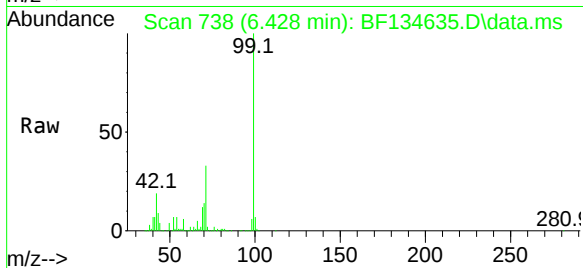
Tgt Ion:112 Resp: 895418
Ion Ratio Lower Upper
112 100
64 59.2 44.9 67.3
63 30.2 25.4 38.0





#7
Phenol-d6
Concen: 41.718 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

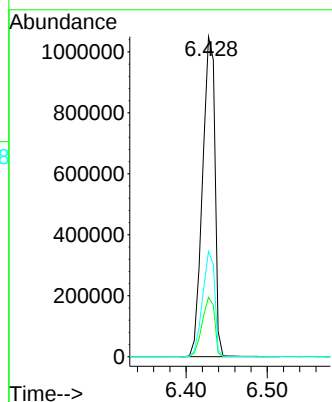
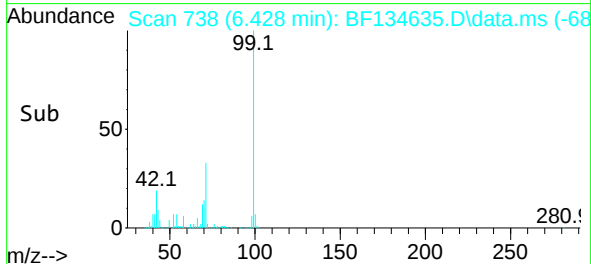
Instrument :
BNA_F
ClientSampleId :
SP-2B



Tgt Ion: 99 Resp: 111536
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1
71 32.9 36.4 54.6

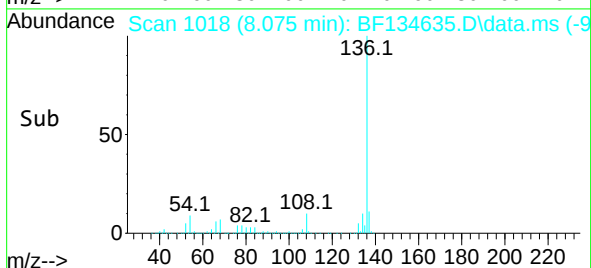
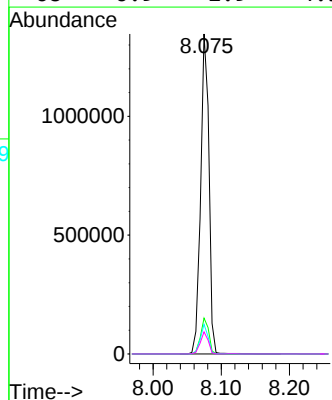
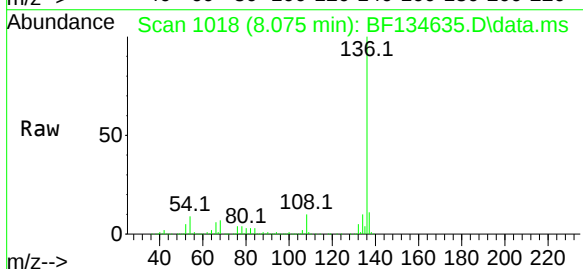
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion:136 Resp: 1135415
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.3 5.2 7.8#
68 6.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 34.986 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134635.D

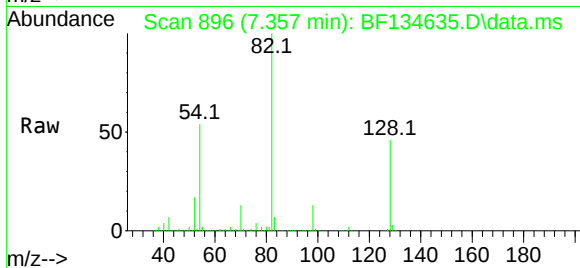
Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B



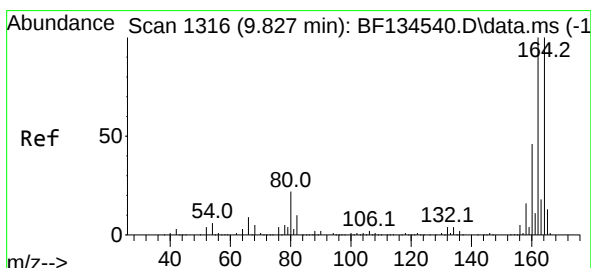
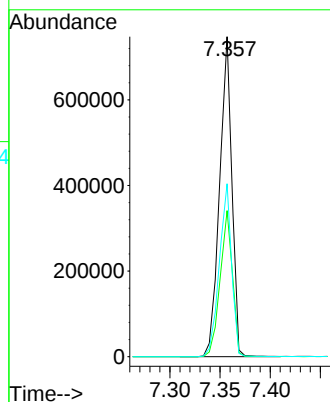
Tgt Ion:	82	Resp:	635640
Ion Ratio	Lower	Upper	
82	100		
128	45.7	34.3	51.5
54	54.1	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

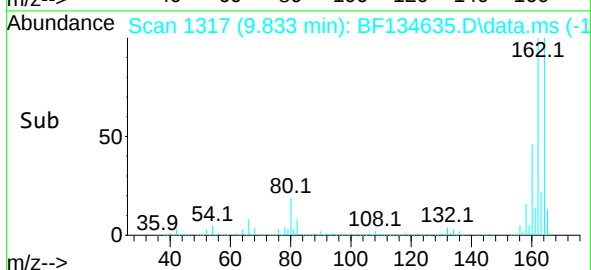
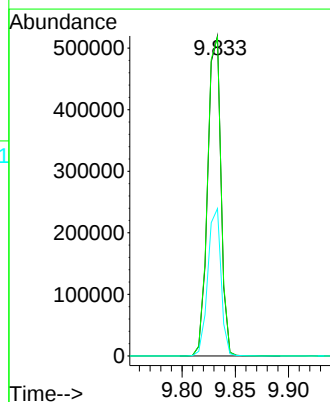
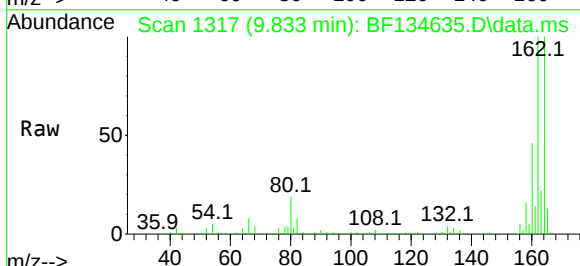
RT: 9.833 min Scan# 1317

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Tgt Ion:	164	Resp:	451887
Ion Ratio	Lower	Upper	
164	100		
162	99.6	82.6	123.8
160	46.1	37.2	55.8





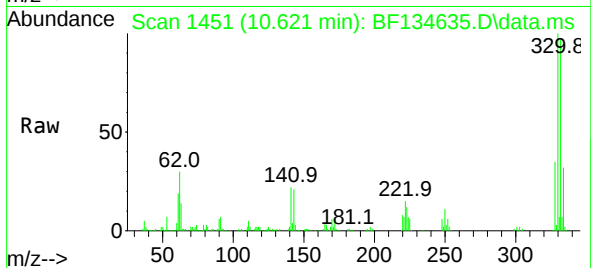
#42
2,4,6-Tribromophenol
Concen: 42.455 ng
RT: 10.621 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B



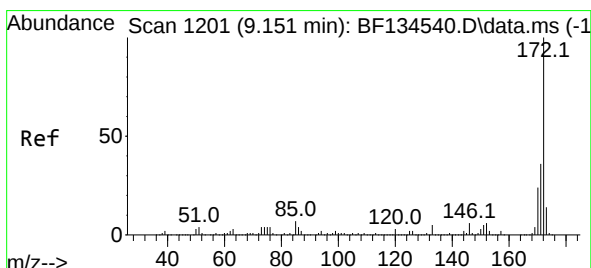
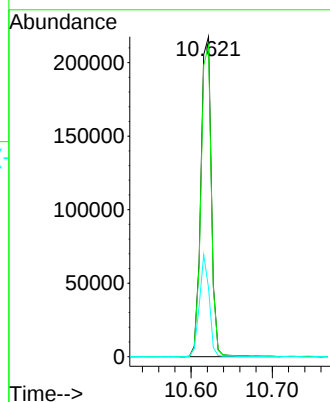
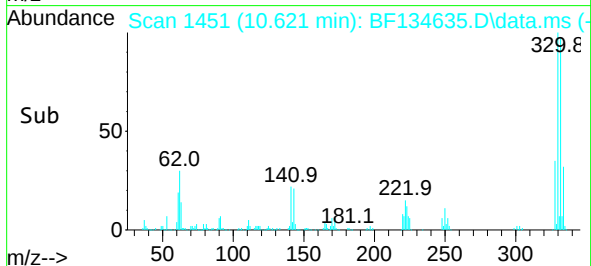
Tgt Ion:330 Resp: 19557
Ion Ratio Lower Upper
330 100
332 96.7 78.8 118.2
141 29.7 25.4 38.2

Manual Integrations

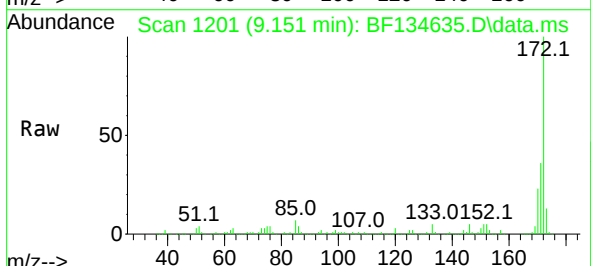
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Reviewed By :Yogesh Patel 08/07/2023

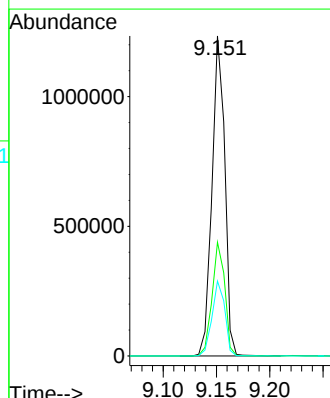
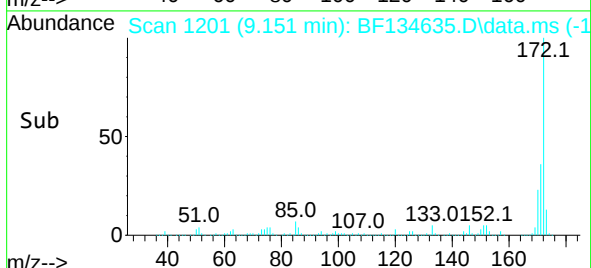
Supervised By :mohammad ahmed 08/07/2023

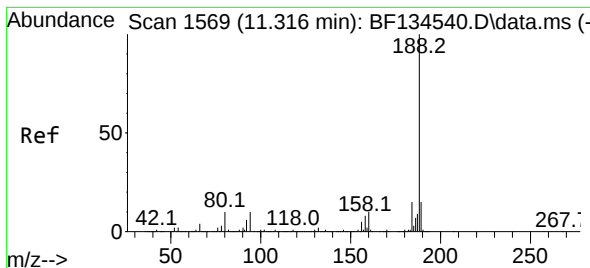


#45
2-Fluorobiphenyl
Concen: 37.972 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27



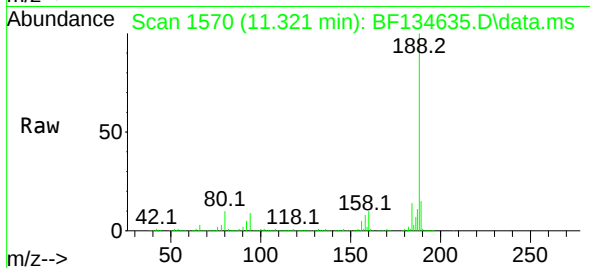
Tgt Ion:172 Resp: 1032012
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.4 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

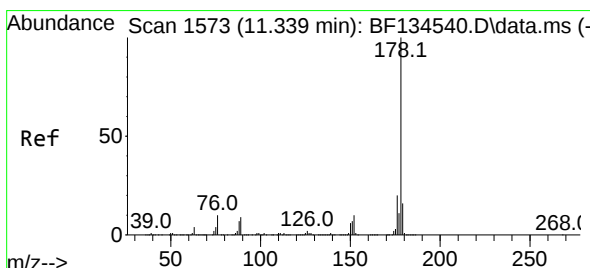
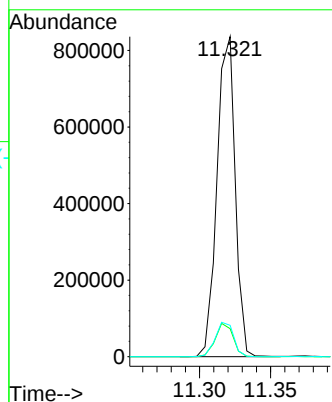
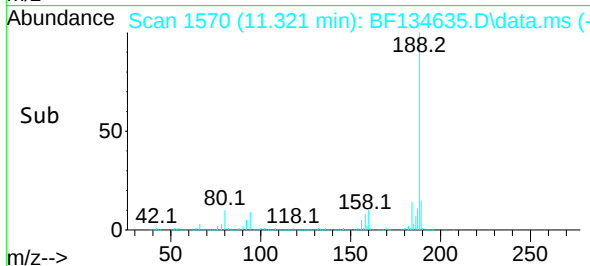
Instrument :
BNA_F
ClientSampleId :
SP-2B



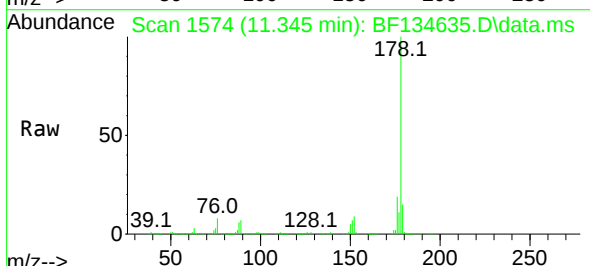
Tgt Ion:188 Resp: 744172
Ion Ratio Lower Upper
188 100
94 8.8 5.1 7.7
80 9.8 6.6 9.8

Manual Integrations
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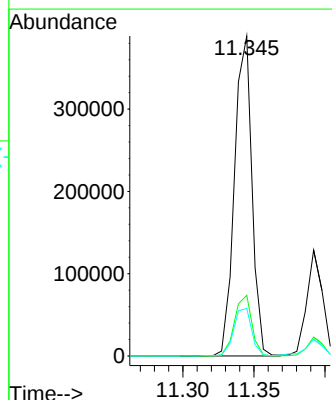
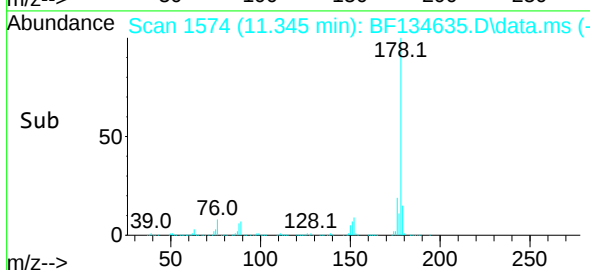
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

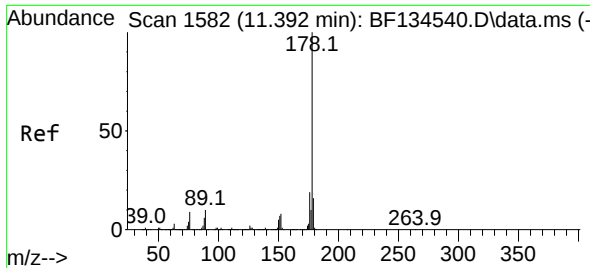


#71
Phenanthrene
Concen: 8.425 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27



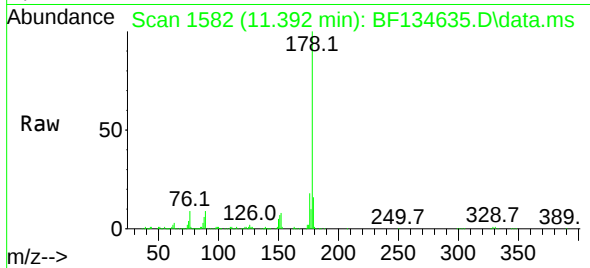
Tgt Ion:178 Resp: 333030
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 12.7 19.1





#72
 Anthracene
 Concen: 2.414 ng
 RT: 11.392 min Scan# 1139
 Delta R.T. -0.012 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27

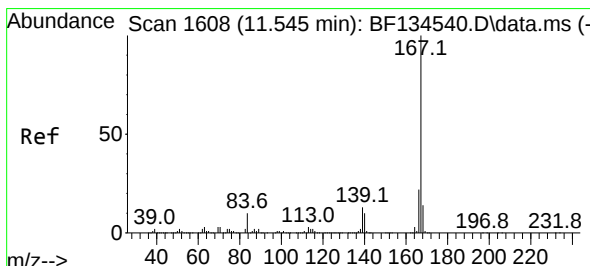
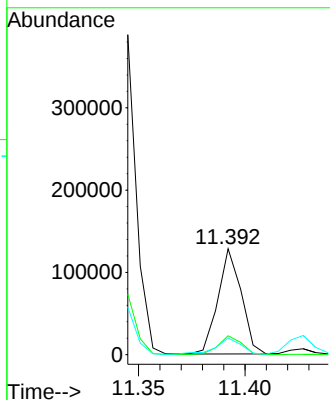
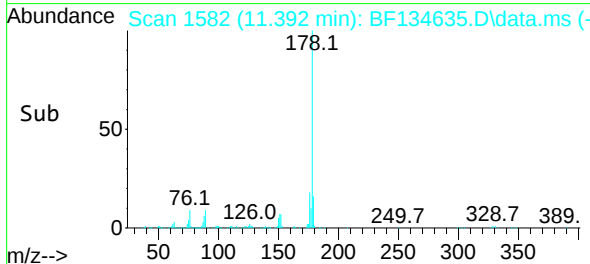
Instrument :
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 SP-2B



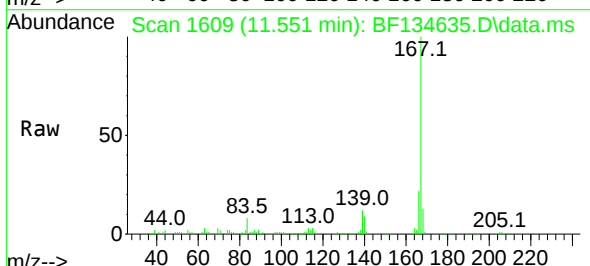
Tgt Ion:178 Resp: 97478
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.6 21.8
 179 15.8 12.3 18.5

Manual Integrations
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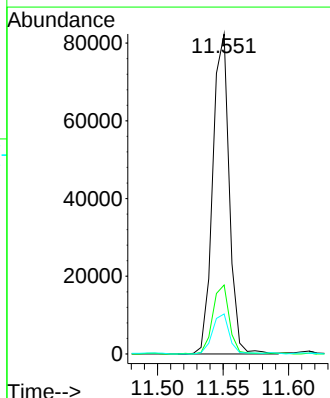
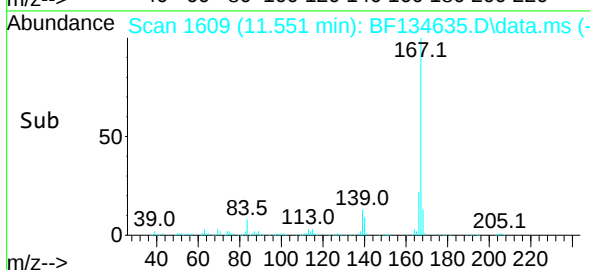
Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

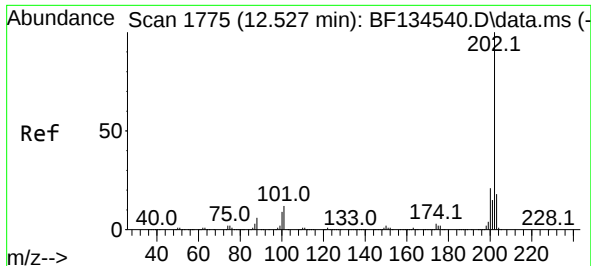


#73
 Carbazole
 Concen: 2.000 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27



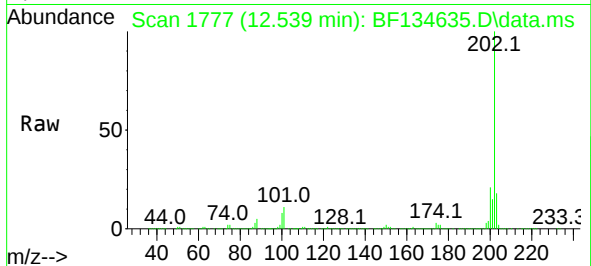
Tgt Ion:167 Resp: 72102
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.5 26.3
 139 12.5 11.0 16.4





#75
Fluoranthene
Concen: 30.147 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

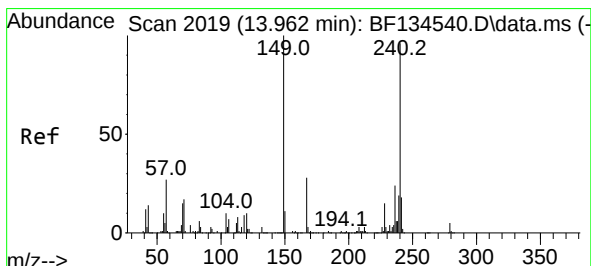
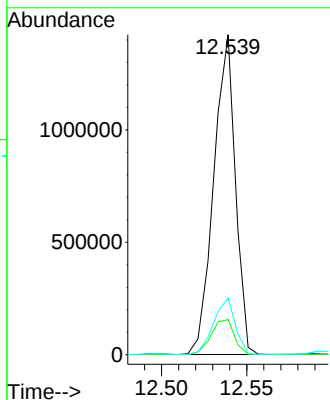
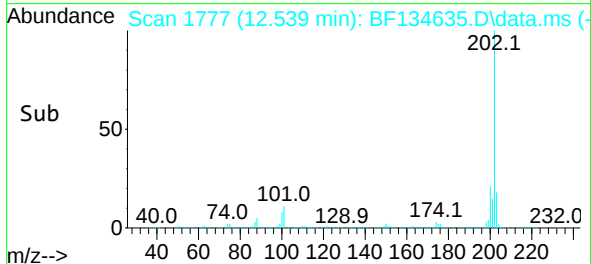
Instrument :
BNA_F
ClientSampleId :
SP-2B



Tgt Ion:202 Resp: 125873
Ion Ratio Lower Upper
202 100
101 11.0 0.0 28.5
203 17.7 0.0 37.5

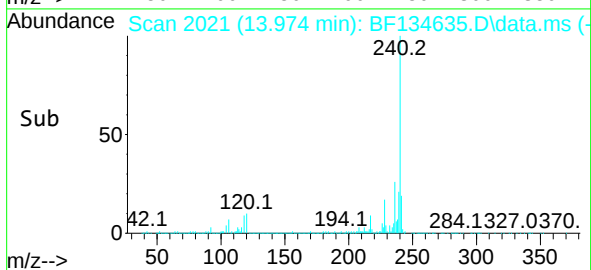
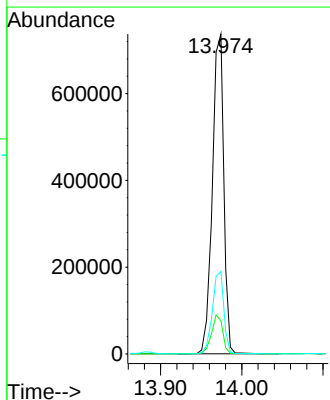
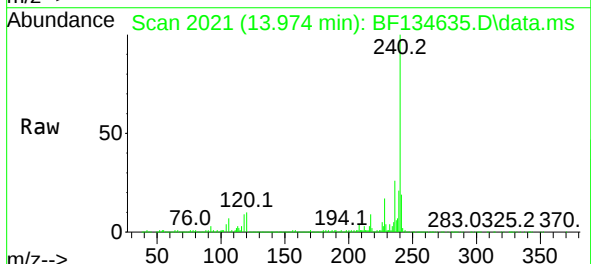
Manual Integrations
APPROVED

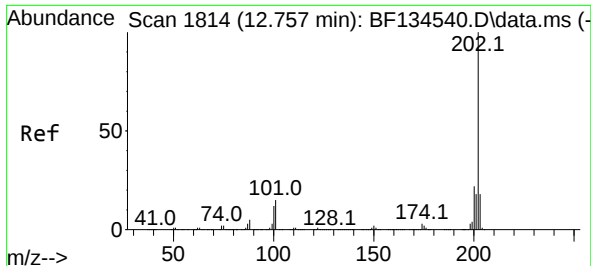
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

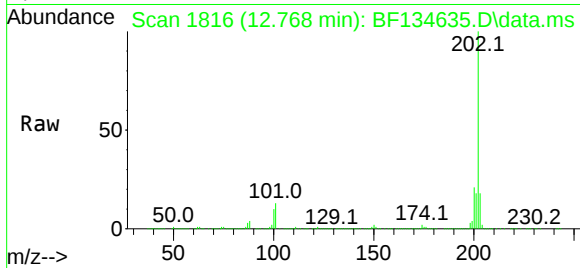
Tgt Ion:240 Resp: 720001
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.7 20.2 30.2





#78
Pyrene
Concen: 17.259 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

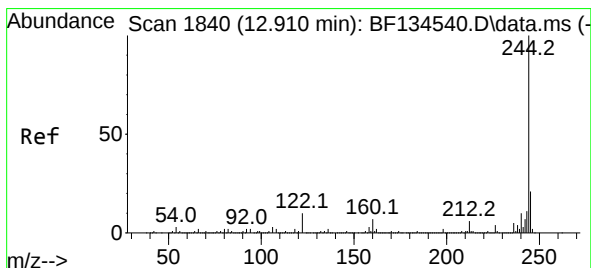
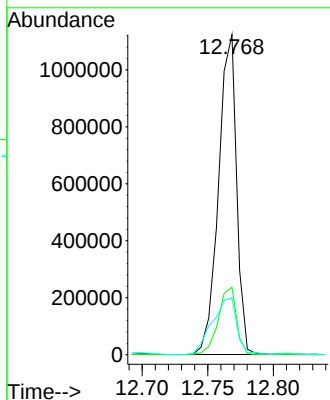
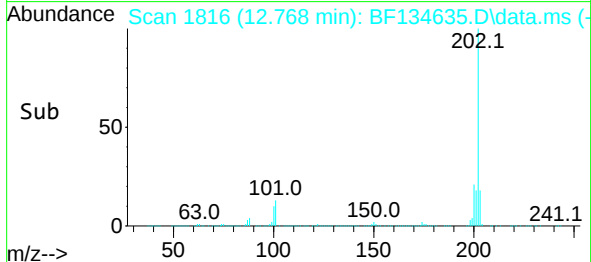
Instrument :
BNA_F
ClientSampleId :
SP-2B



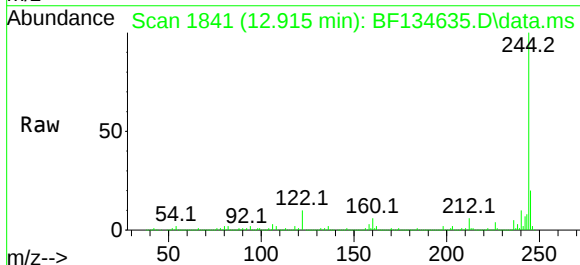
Tgt Ion:202 Resp: 107527
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.8
203 17.8 13.5 20.3

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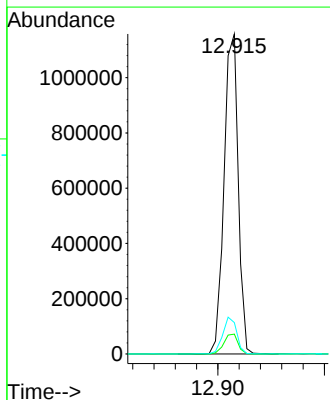
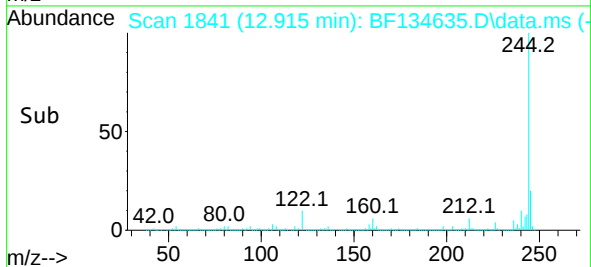
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

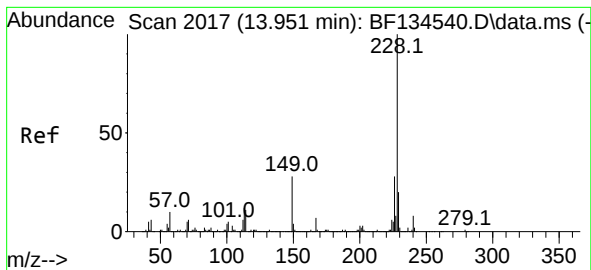


#79
Terphenyl-d14
Concen: 26.092 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27



Tgt Ion:244 Resp: 1065686
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 9.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 14.160 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

Tgt Ion:228 Resp: 728990

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

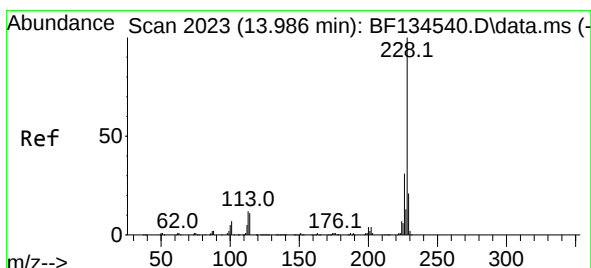
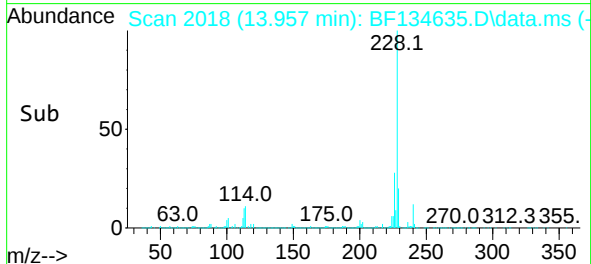
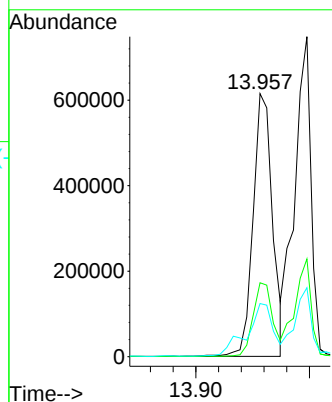
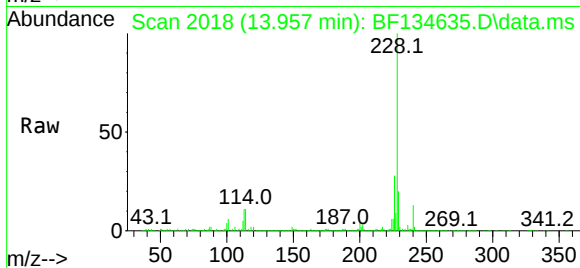
229 20.2 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#83

Chrysene

Concen: 15.124 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

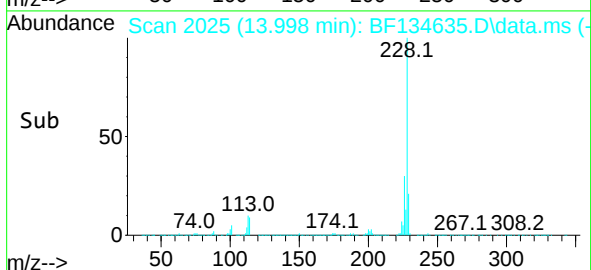
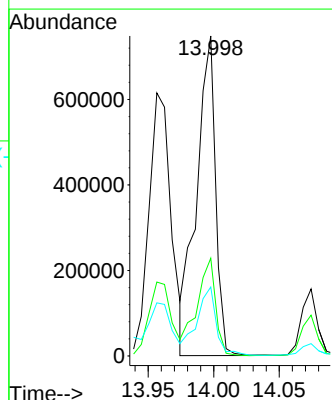
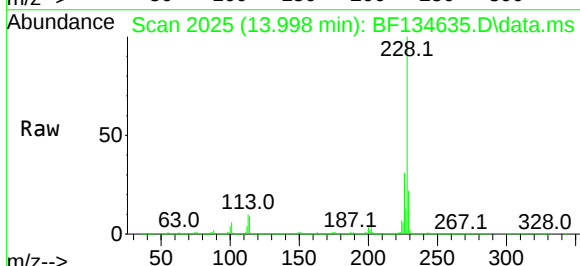
Tgt Ion:228 Resp: 758585

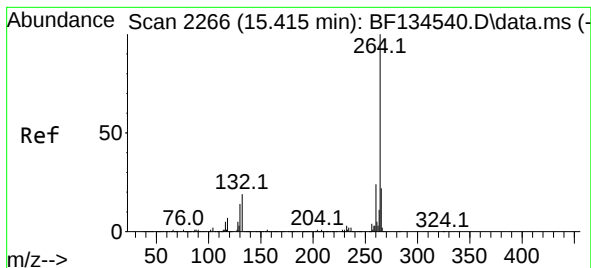
Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 21.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

Tgt Ion:264 Resp: 55957

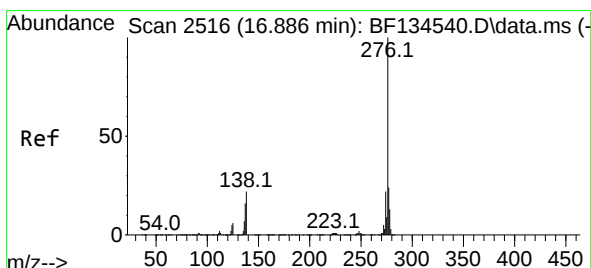
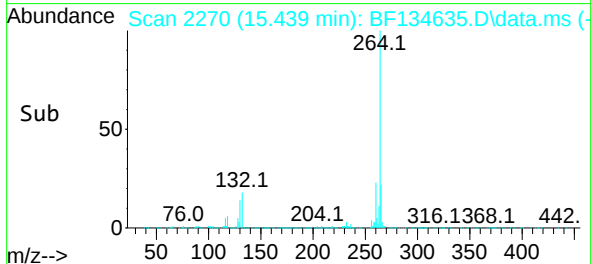
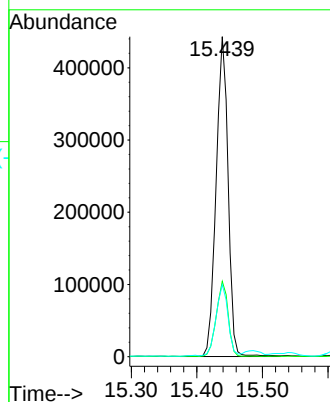
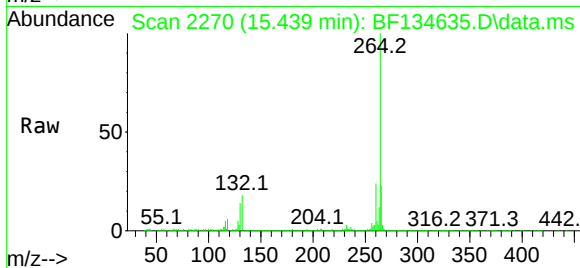
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	22.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.068 ng

RT: 16.921 min Scan# 2522

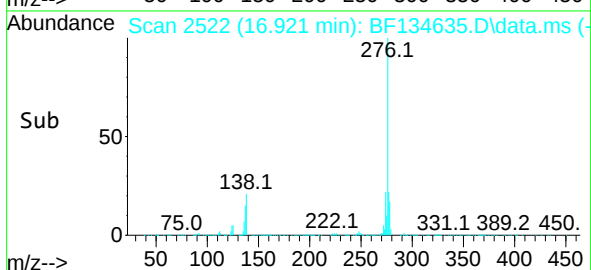
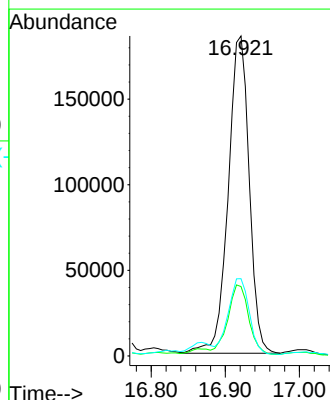
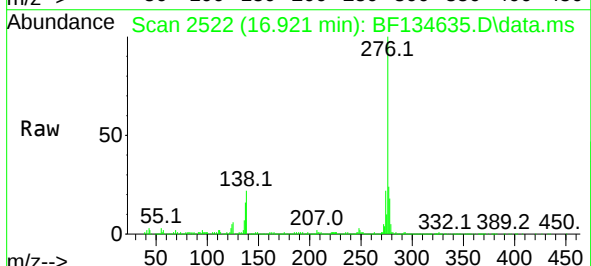
Delta R.T. -0.006 min

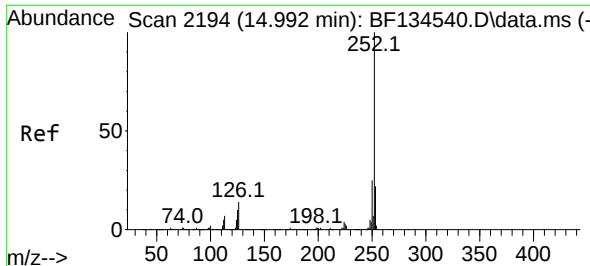
Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Tgt Ion:276 Resp: 364251

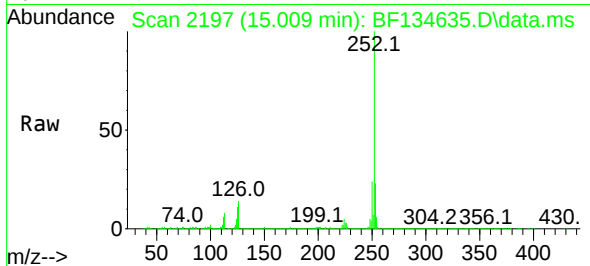
Ion	Ratio	Lower	Upper
276	100		
138	22.2	14.2	21.4
277	24.0	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 27.876 ng m
RT: 15.009 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

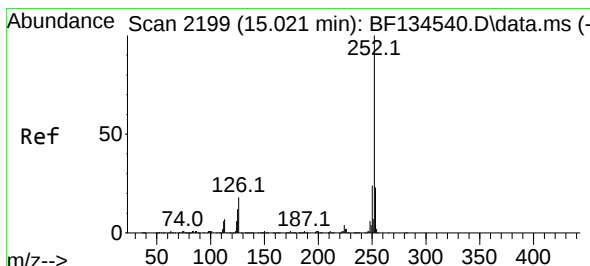
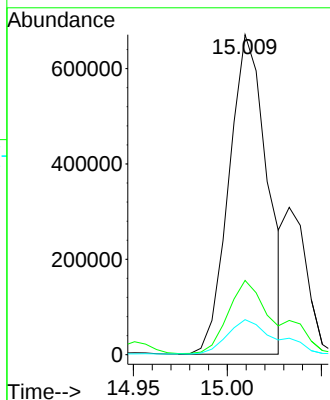
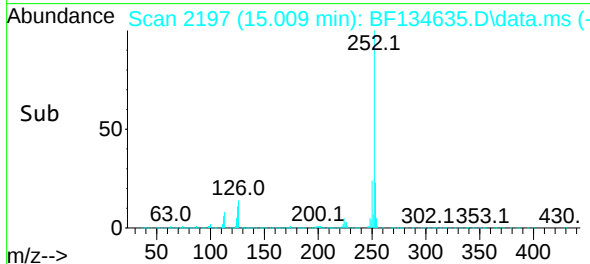
Instrument :
BNA_F
ClientSampleId :
SP-2B



Tgt Ion:252 Resp: 95132
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 10.9 6.0 9.0

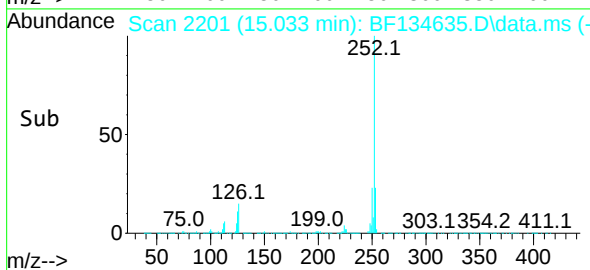
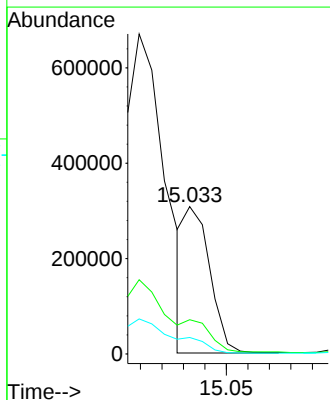
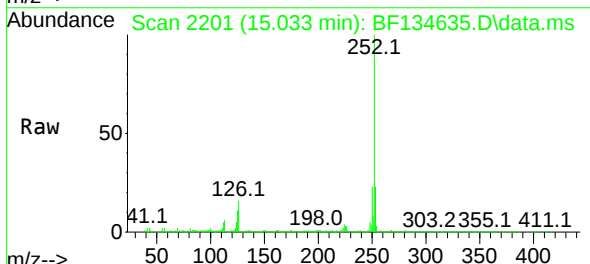
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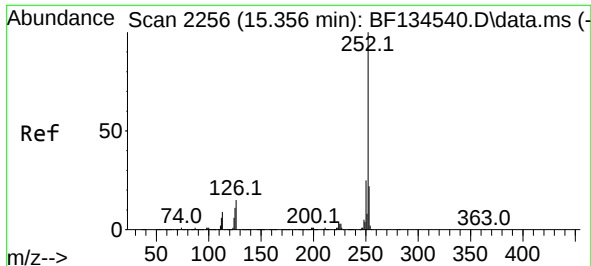
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#89
Benzo(k)fluoranthene
Concen: 7.431 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

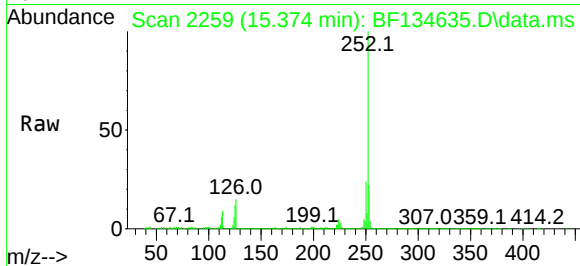
Tgt Ion:252 Resp: 252642
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.2 6.3 9.5





#90
Benzo(a)pyrene
Concen: 16.839 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

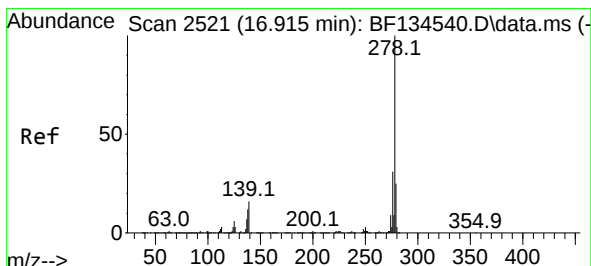
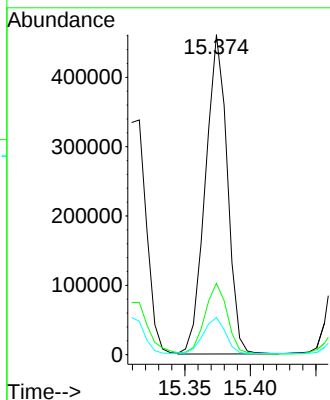
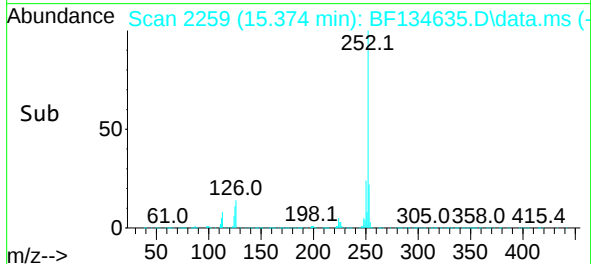
Instrument :
BNA_F
ClientSampleId :
SP-2B



Tgt Ion:252 Resp: 535820
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 11.6 6.2 9.4

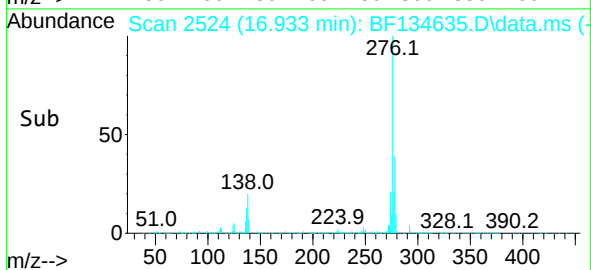
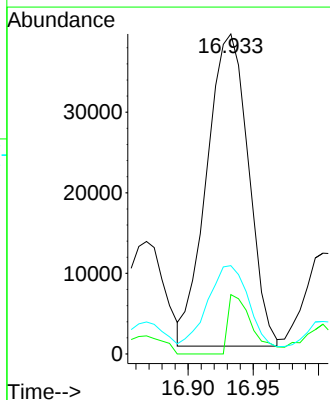
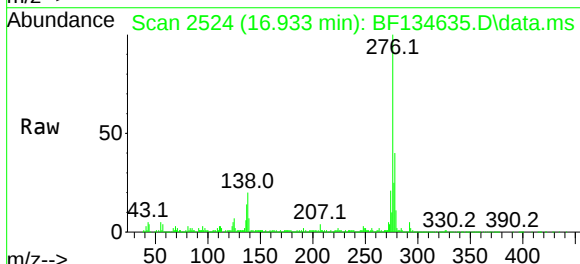
Manual Integrations
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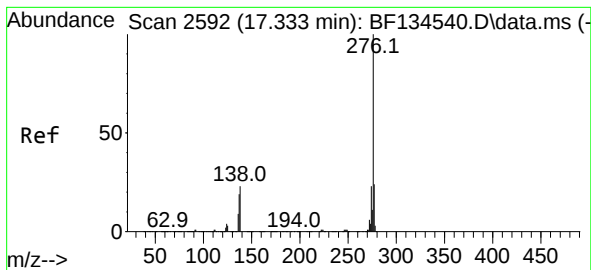
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.241 ng m
RT: 16.933 min Scan# 2524
Delta R.T. -0.018 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

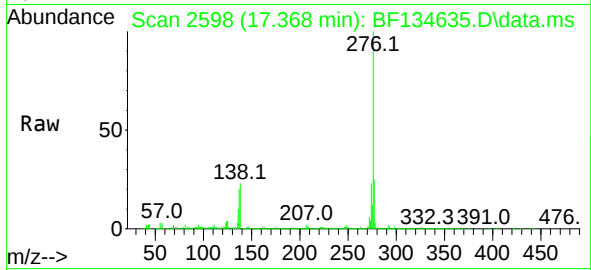
Tgt Ion:278 Resp: 86199
Ion Ratio Lower Upper
278 100
139 18.6 10.0 15.0#
279 27.6 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 12.170 ng
 RT: 17.368 min Scan# 2598
 Delta R.T. -0.006 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-2B



Tgt Ion:	276	Resp:	330172
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.6
138	22.5	12.2	18.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

