

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134667.D
 Acq On : 08 Aug 2023 12:40
 Operator : CG\JU
 Sample : 03913-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023

Quant Time: Aug 09 02:17:01 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	177018	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	660313	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	278972	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	447507	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	363736	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	292029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	875595	75.190	ng	0.00
7) Phenol-d6	6.428	99	1073490	72.114	ng	-0.01
23) Nitrobenzene-d5	7.357	82	628951	59.525	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	192287	67.615	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1059210	63.130	ng	-0.01
79) Terphenyl-d14	12.916	244	1082771	52.477	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	135317	5.693	ng	98
75) Fluoranthene	12.533	202	300997	11.988	ng	97
78) Pyrene	12.763	202	272469	8.657	ng	98
81) Benzo(a)anthracene	13.957	228	129294	4.971	ng	94
83) Chrysene	13.992	228	142010	5.604	ng	95
87) Indeno(1,2,3-cd)pyrene	16.927	276	52519	3.058	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	152625m	8.569	ng	
89) Benzo(k)fluoranthene	15.033	252	37744m	2.127	ng	
90) Benzo(a)pyrene	15.374	252	85807	5.167	ng	# 80
92) Benzo(g,h,i)perylene	17.368	276	51928	3.668	ng	# 84

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

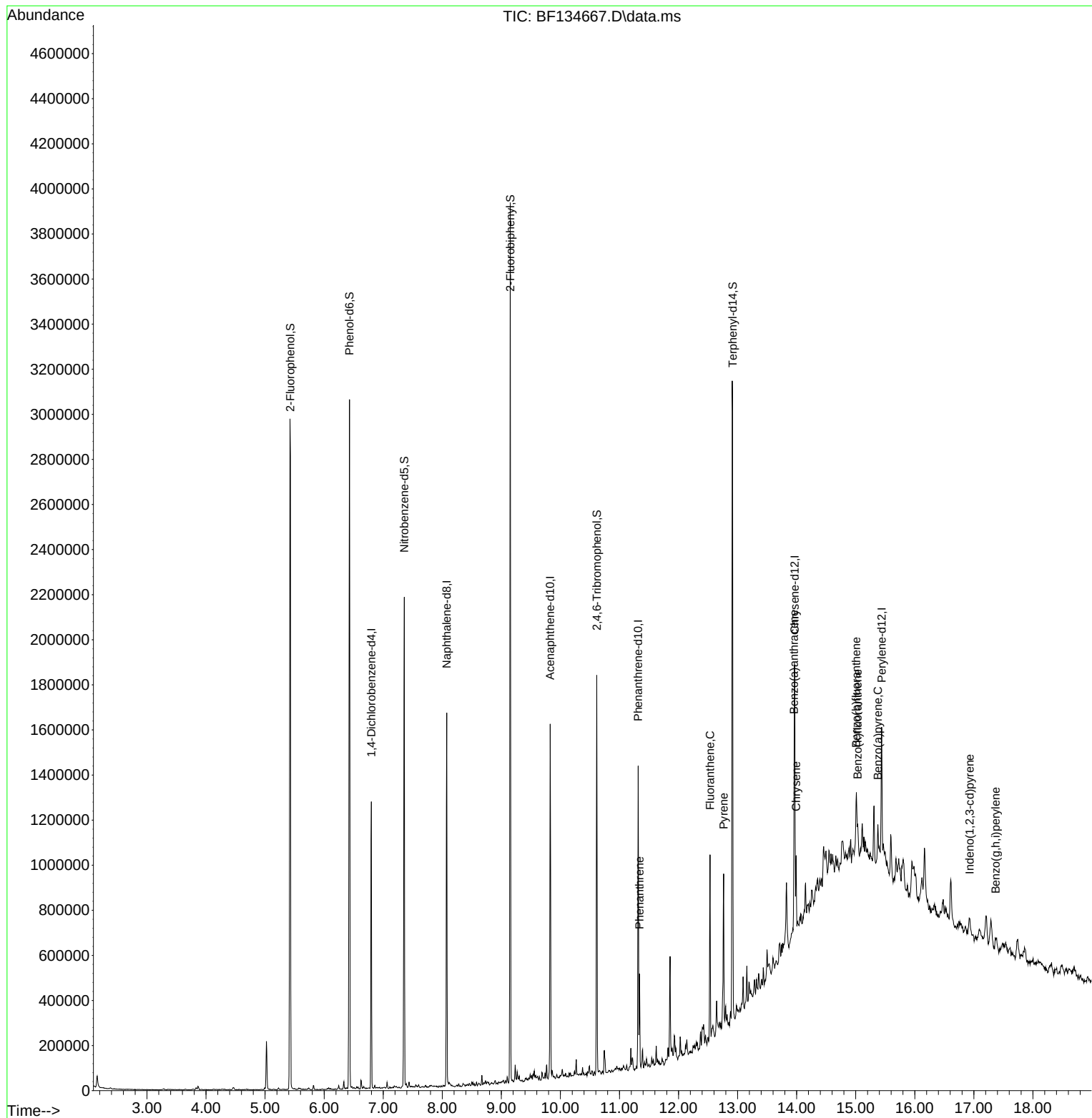
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
Data File : BF134667.D
Acq On : 08 Aug 2023 12:40
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ALS Vial : 7 Sample Multiplier: 1

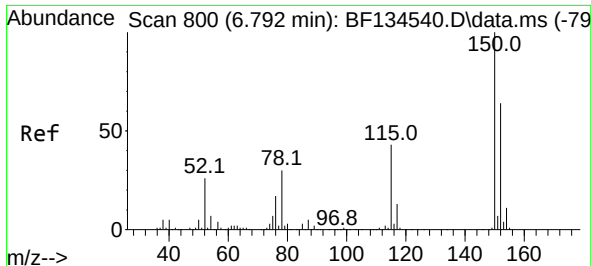
Instrument :
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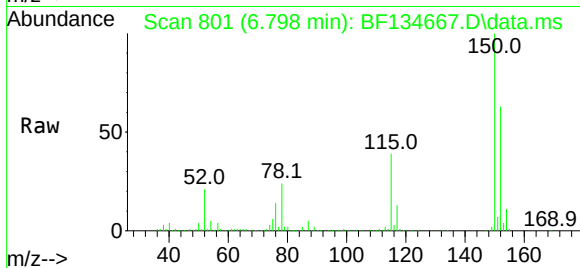
Quant Time: Aug 09 02:17:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

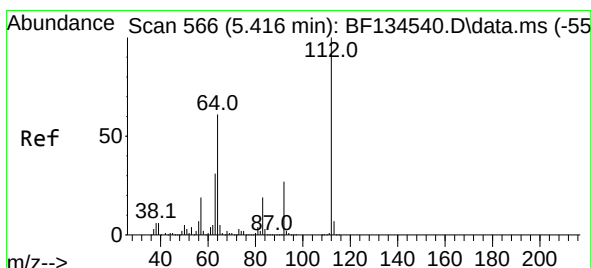
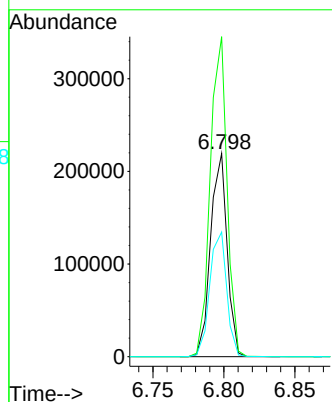
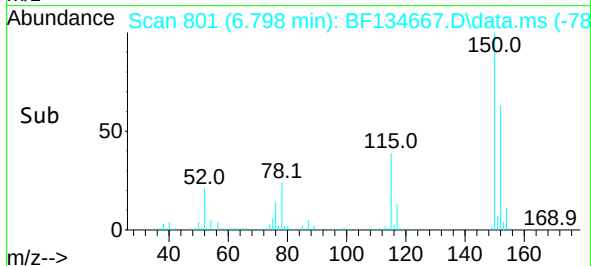
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion:152 Resp: 177018
Ion Ratio Lower Upper
152 100
150 157.5 128.3 192.5
115 61.3 52.4 78.6

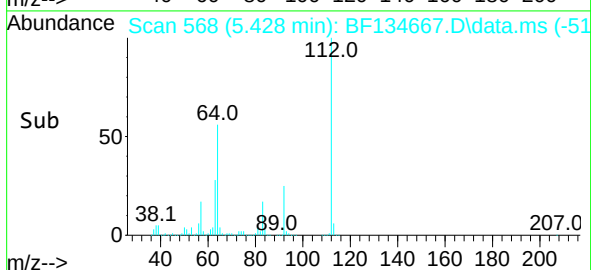
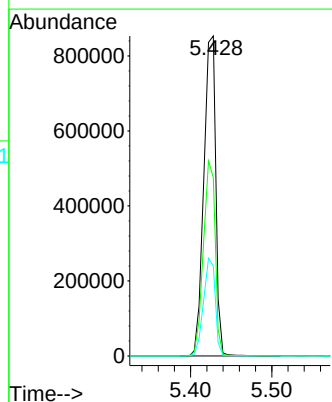
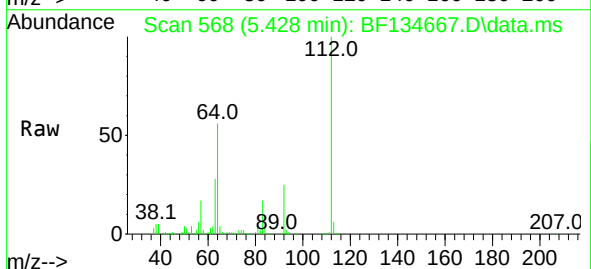
Manual Integrations
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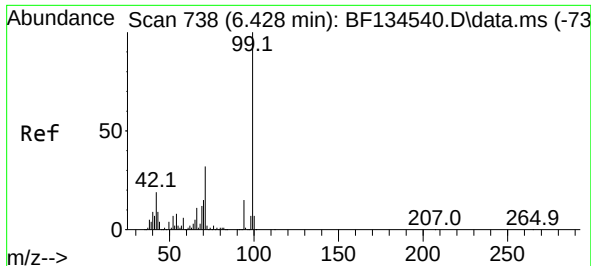
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#5
2-Fluorophenol
Concen: 75.190 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

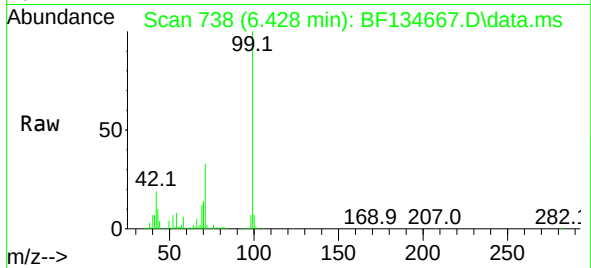
Tgt Ion:112 Resp: 875595
Ion Ratio Lower Upper
112 100
64 55.8 44.9 67.3
63 28.1 25.4 38.0





#7
Phenol-d6
Concen: 72.114 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

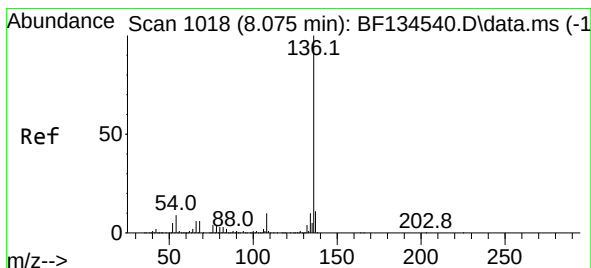
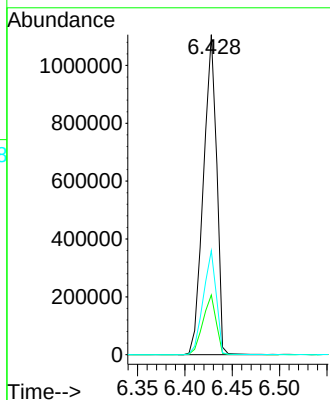
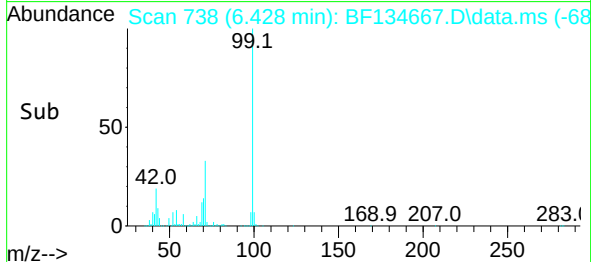
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion: 99 Resp: 1073490
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1
71 32.5 36.4 54.6

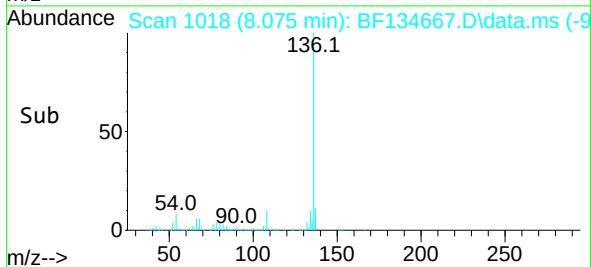
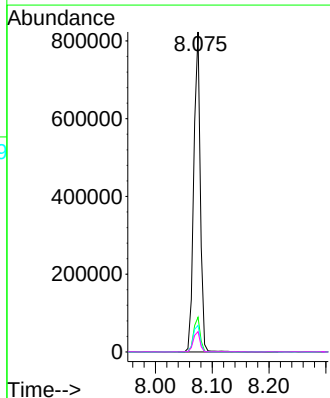
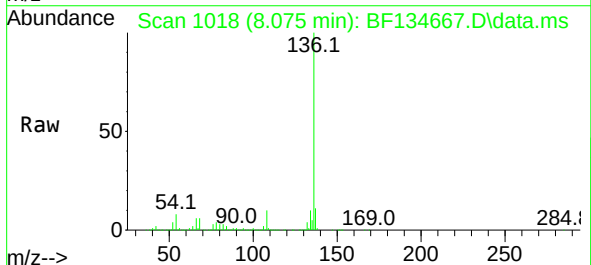
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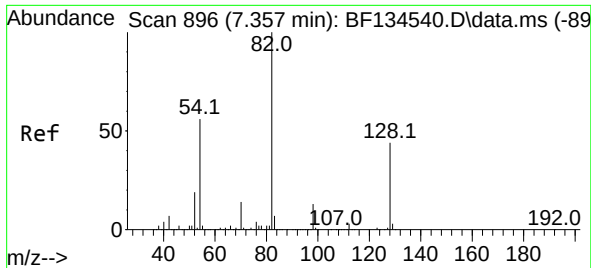
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion:136 Resp: 660313
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.3 5.2 7.8#
68 6.3 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 59.525 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134667.D

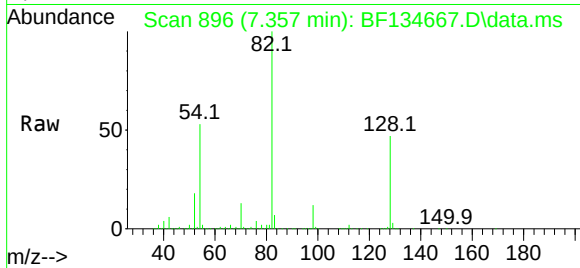
Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933



Tgt Ion: 82 Resp: 62895

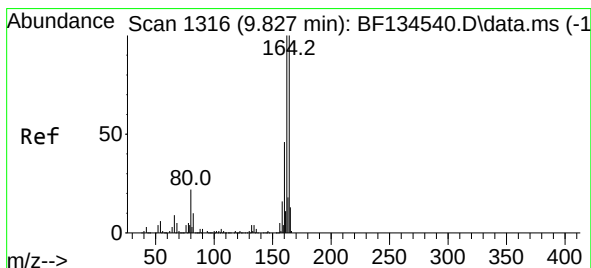
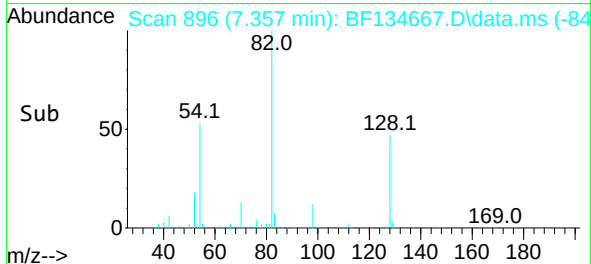
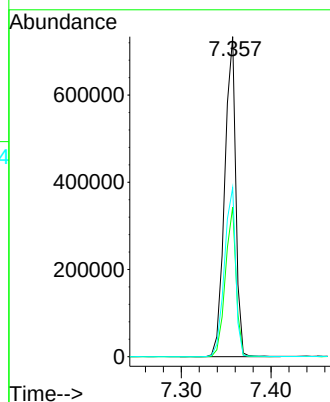
Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.3	51.5
54	52.8	43.8	65.6

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Supervised By :mohammad ahmed 08/09/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

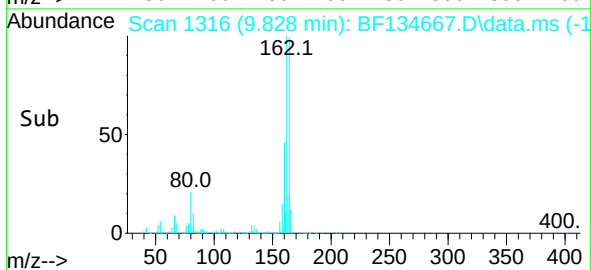
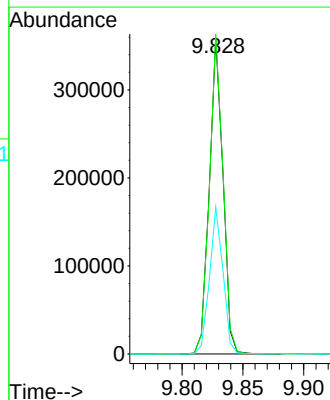
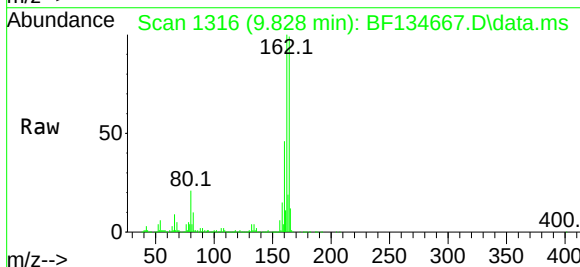
Delta R.T. -0.006 min

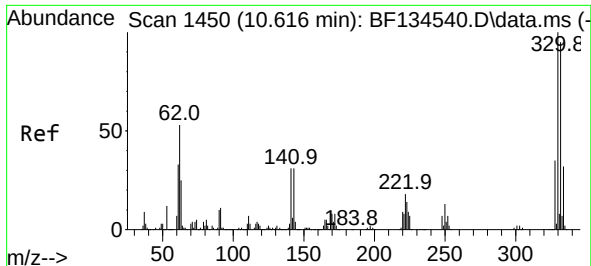
Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Tgt Ion:164 Resp: 278972

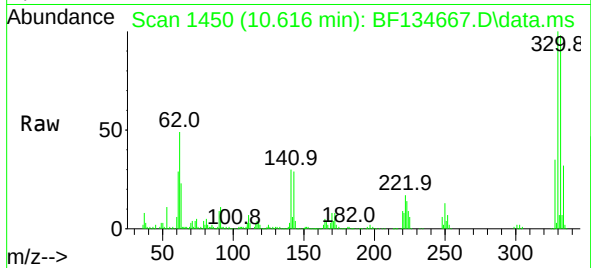
Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	46.4	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 67.615 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

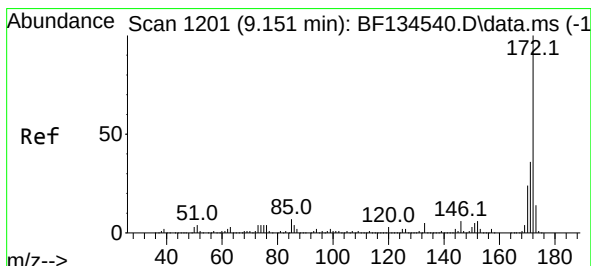
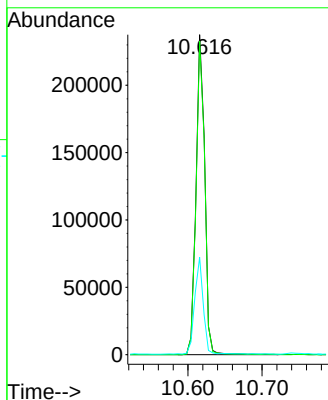
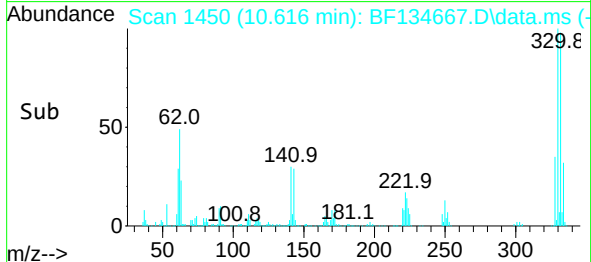
Instrument :
BNA_F
ClientSampleId :
72-11933



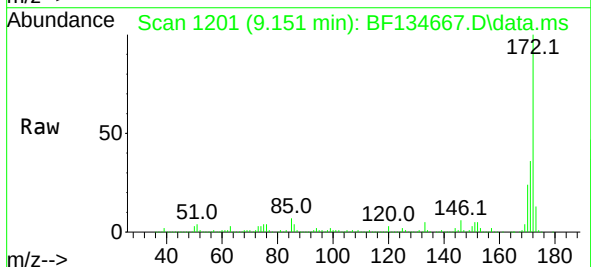
Tgt Ion: 330 Resp: 192285
Ion Ratio Lower Upper
330 100
332 97.8 78.8 118.2
141 29.8 25.4 38.2

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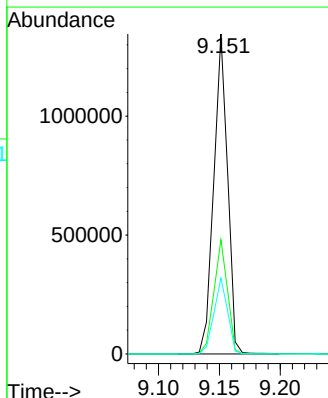
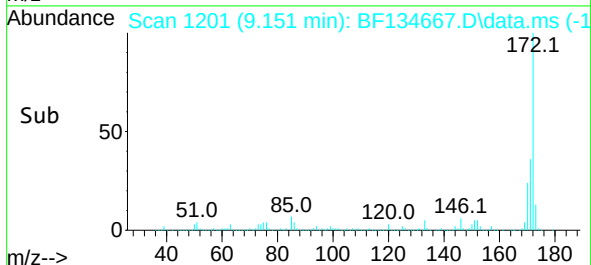
Reviewed By : Yogesh Patel 08/09/2023
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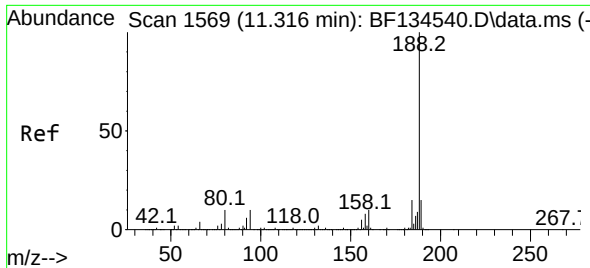


#45
2-Fluorobiphenyl
Concen: 63.130 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40



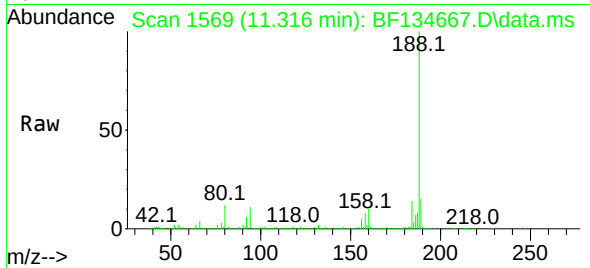
Tgt Ion: 172 Resp: 1059210
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.8 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

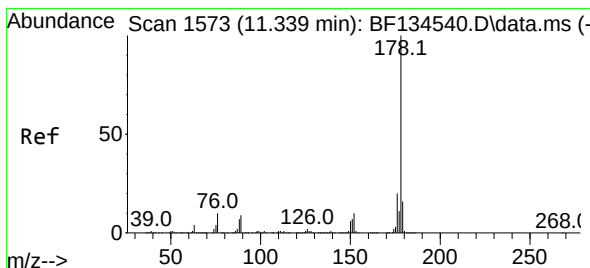
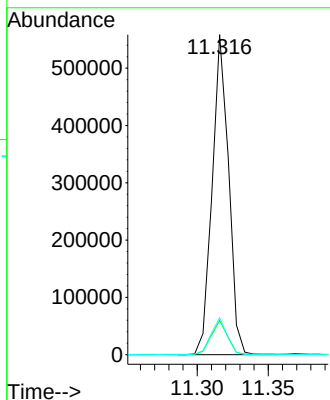
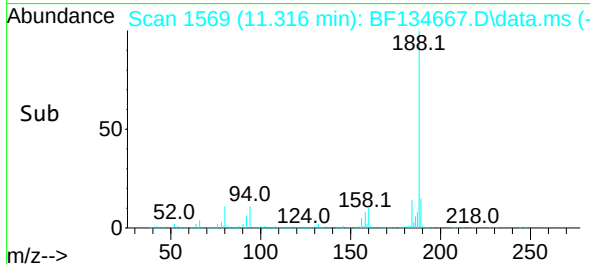
Instrument :
BNA_F
ClientSampleId :
72-11933



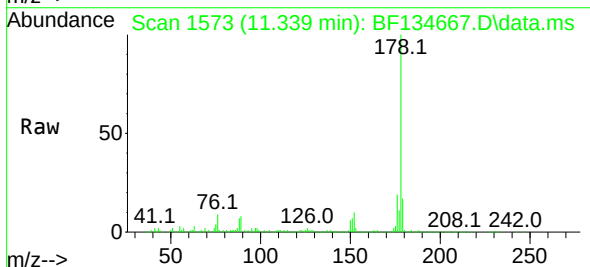
Tgt Ion:188 Resp: 44750
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7
80 11.6 6.6 9.8

Manual Integrations
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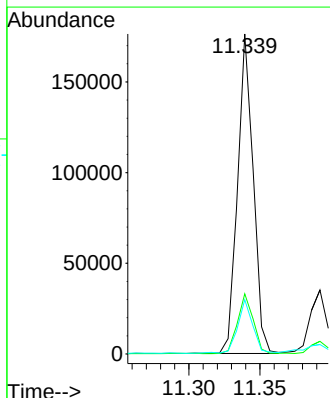
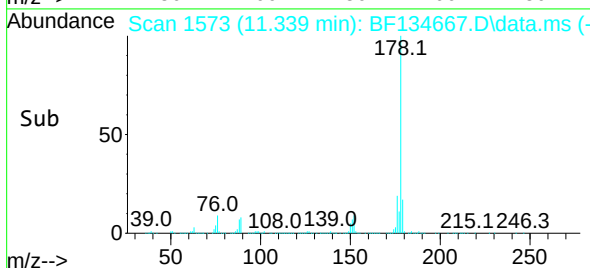
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

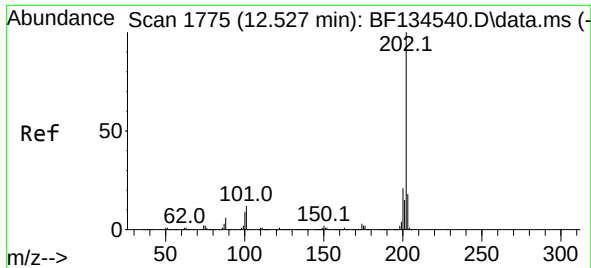


#71
Phenanthrene
Concen: 5.693 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40



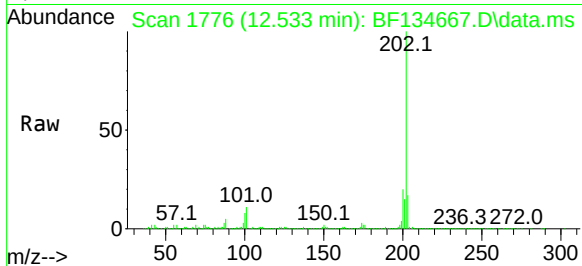
Tgt Ion:178 Resp: 135317
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 17.0 12.7 19.1





#75
Fluoranthene
Concen: 11.988 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

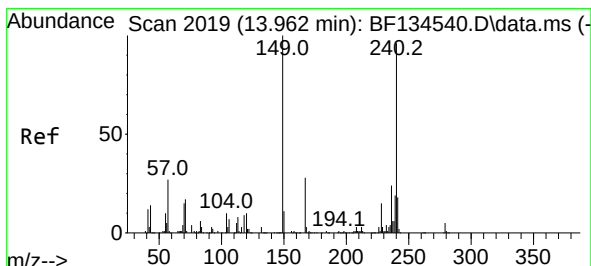
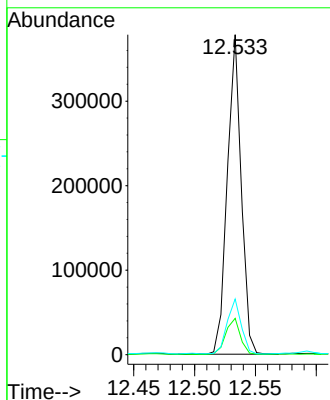
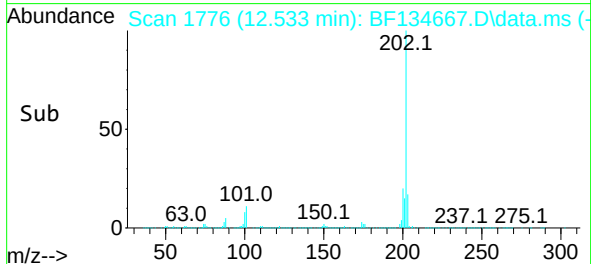
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion:202 Resp: 30099
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.4 0.0 37.5

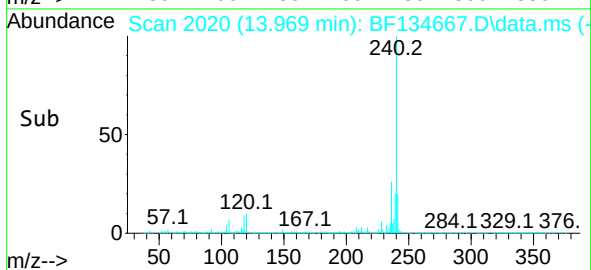
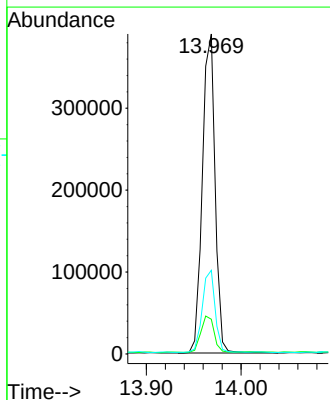
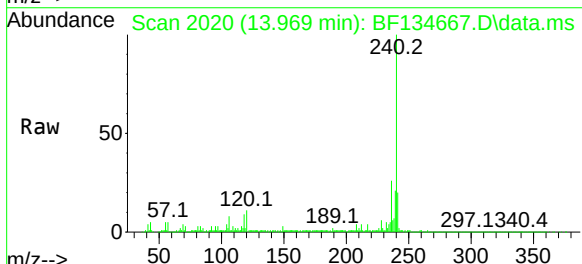
Manual Integrations
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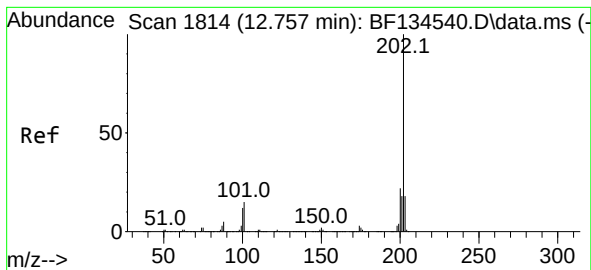
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion:240 Resp: 363736
Ion Ratio Lower Upper
240 100
120 10.8 6.6 10.0#
236 26.1 20.2 30.2





#78

Pyrene

Concen: 8.657 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

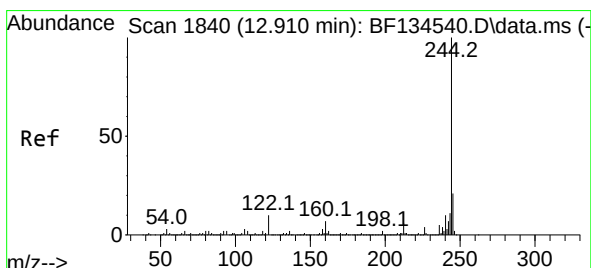
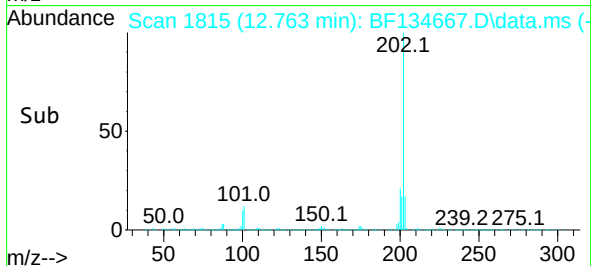
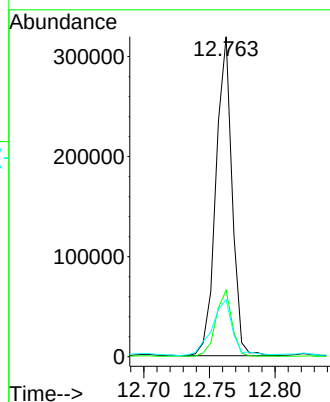
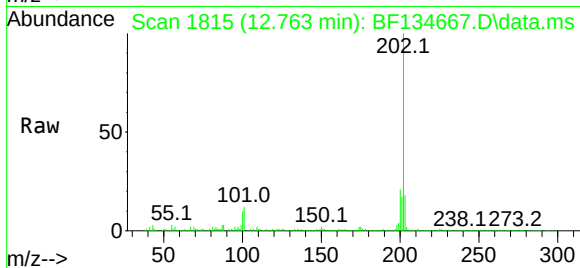
Tgt Ion:202 Resp: 272469
 Ion Ratio Lower Upper
 202 100
 200 20.8 15.8 23.8
 203 17.8 13.5 20.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#79

Terphenyl-d14

Concen: 52.477 ng

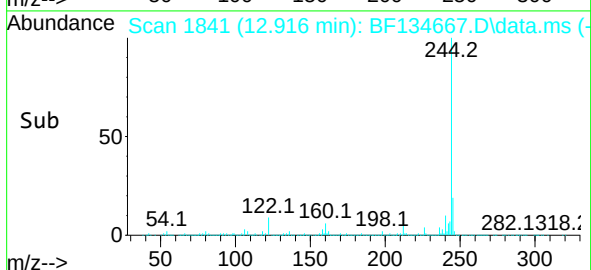
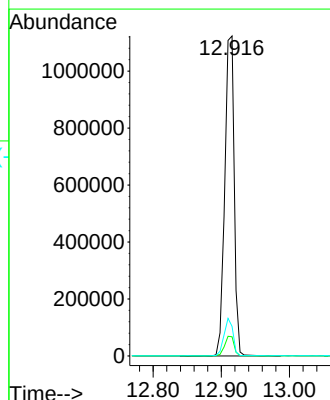
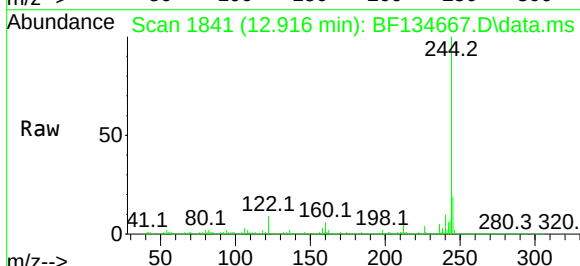
RT: 12.916 min Scan# 1841

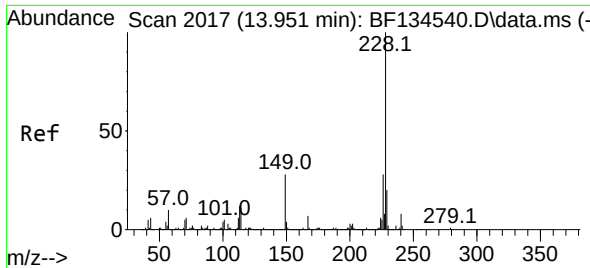
Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

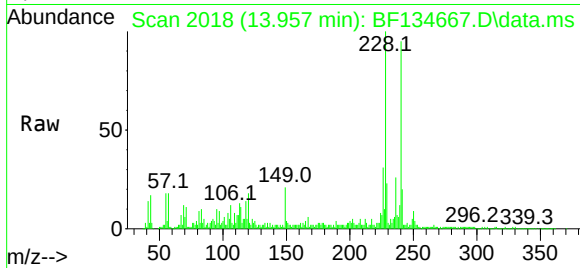
Tgt Ion:244 Resp: 1082771
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.6 8.4
 122 9.3 8.0 12.0





#81
Benzo(a)anthracene
Concen: 4.971 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

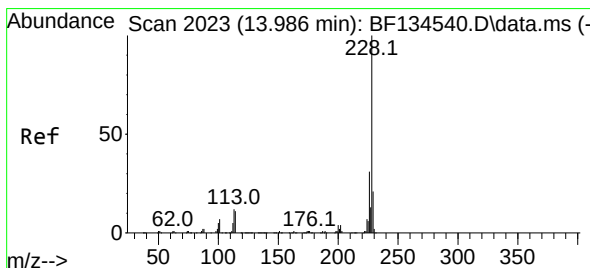
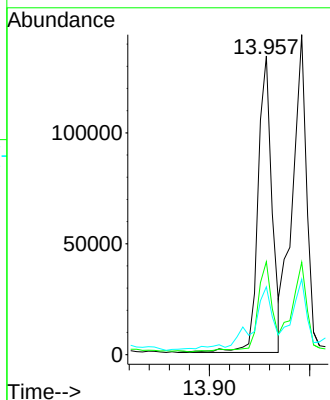
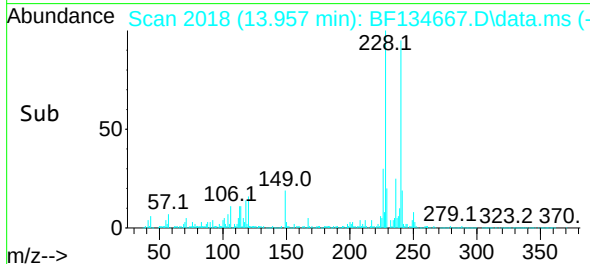
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion:228 Resp: 129294
Ion Ratio Lower Upper
228 100
226 31.1 22.3 33.5
229 22.7 15.8 23.6

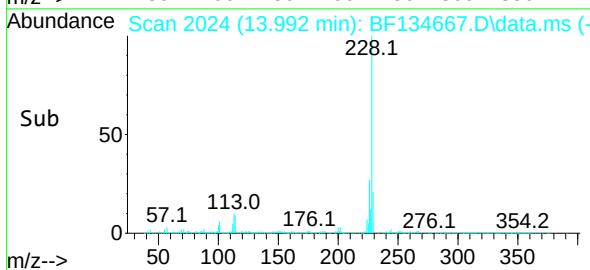
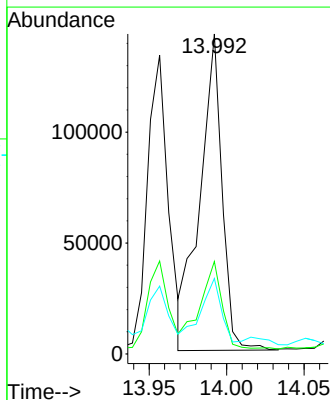
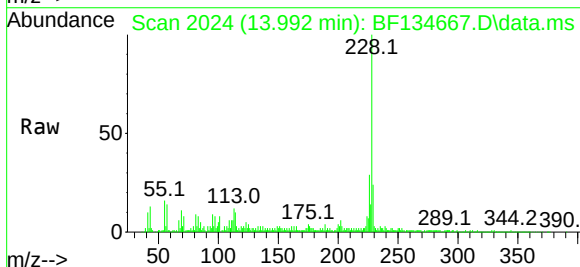
Manual Integrations
APPROVED

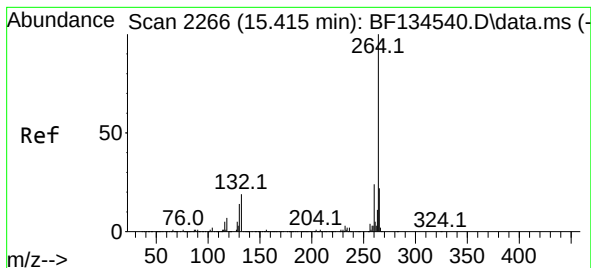
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#83
Chrysene
Concen: 5.604 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

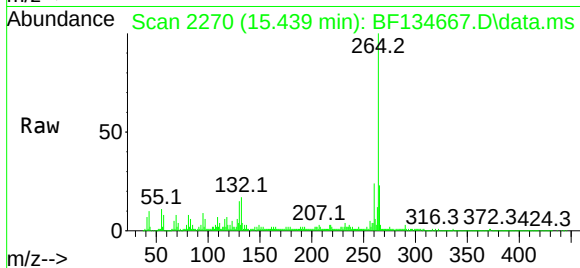
Tgt Ion:228 Resp: 142010
Ion Ratio Lower Upper
228 100
226 28.9 24.5 36.7
229 23.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

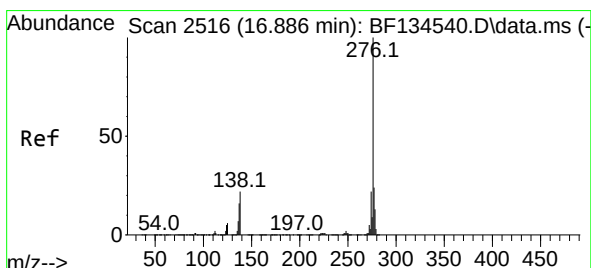
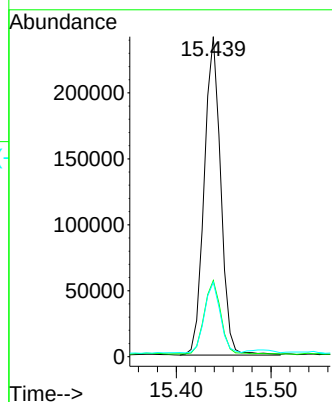
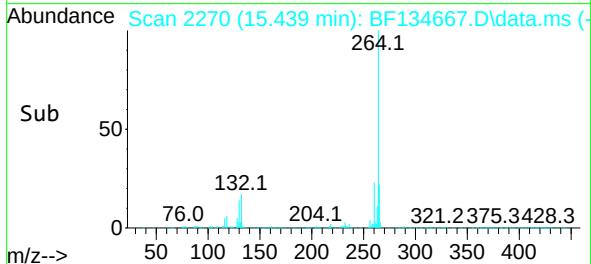
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion:264 Resp: 292029
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 23.3 15.8 23.8

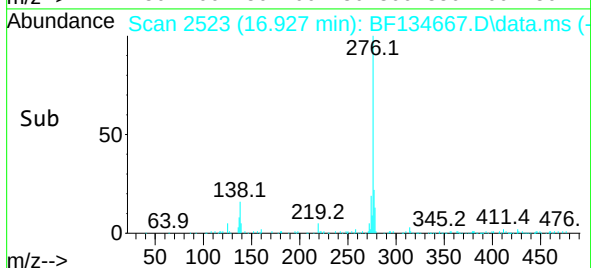
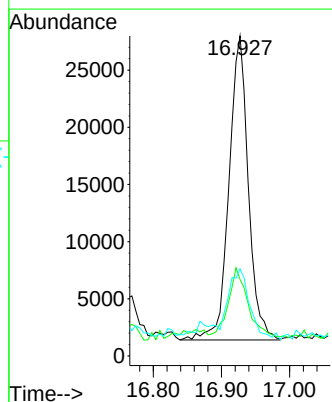
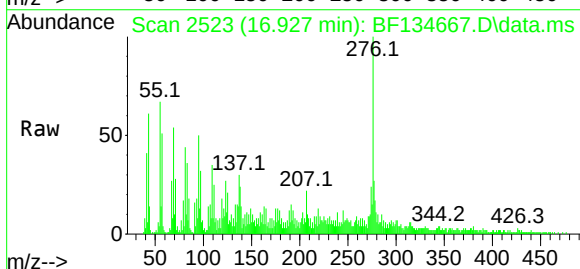
Manual Integrations
APPROVED

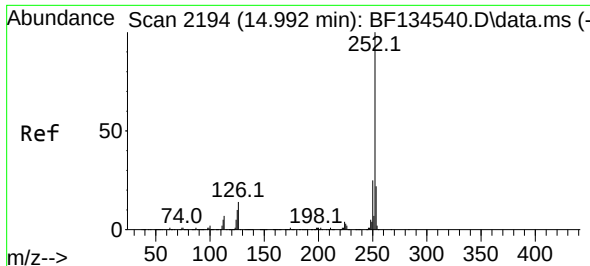
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.058 ng
RT: 16.927 min Scan# 2523
Delta R.T. 0.000 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

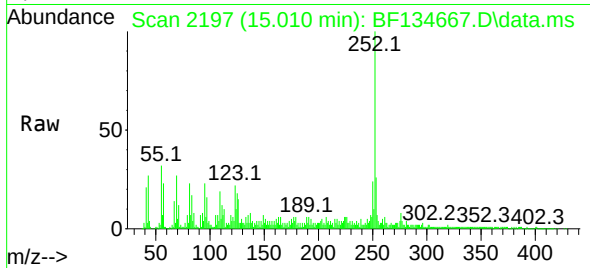
Tgt Ion:276 Resp: 52519
Ion Ratio Lower Upper
276 100
138 22.9 14.2 21.4#
277 23.7 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 8.569 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

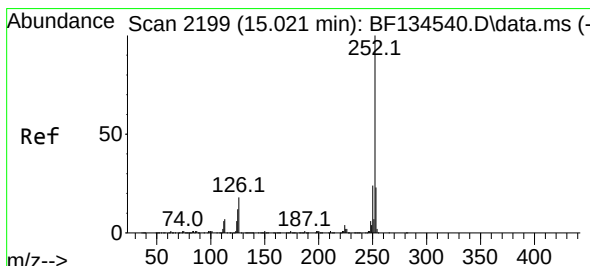
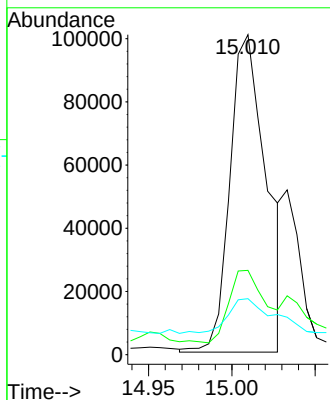
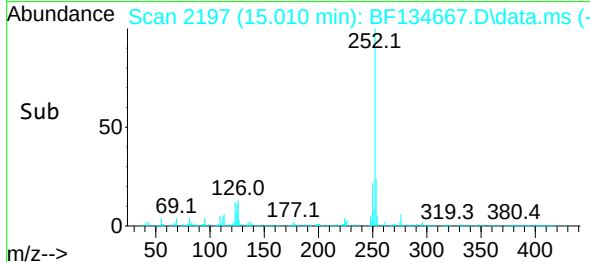
Instrument :
BNA_F
ClientSampleId :
72-11933



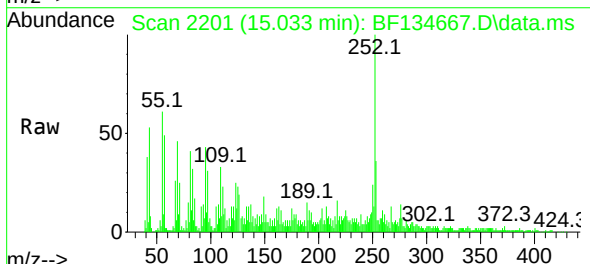
Tgt Ion:252 Resp: 152625
Ion Ratio Lower Upper
252 100
253 26.4 17.3 25.9#
125 17.5 6.0 9.0#

Manual Integrations
APPROVED

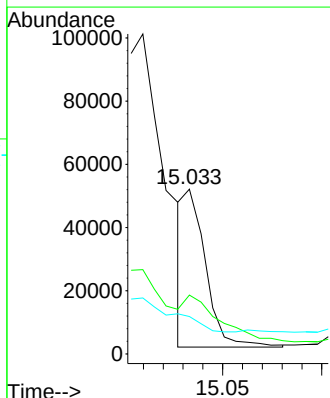
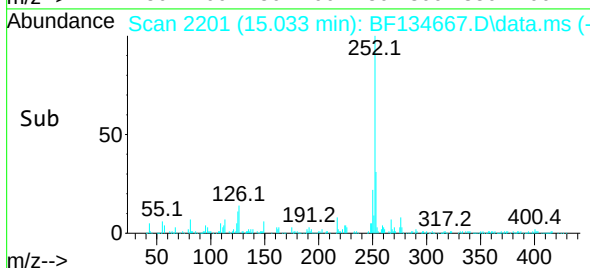
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

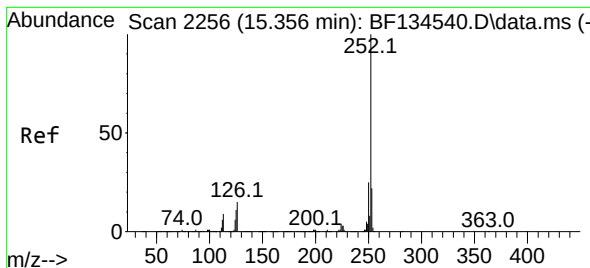


#89
Benzo(k)fluoranthene
Concen: 2.127 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40



Tgt Ion:252 Resp: 37744
Ion Ratio Lower Upper
252 100
253 35.8 17.9 26.9#
125 22.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 5.167 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

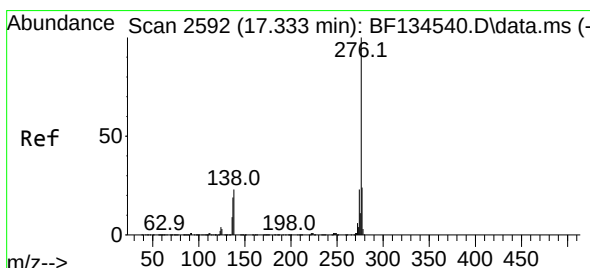
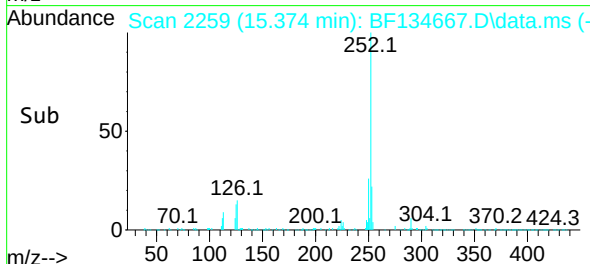
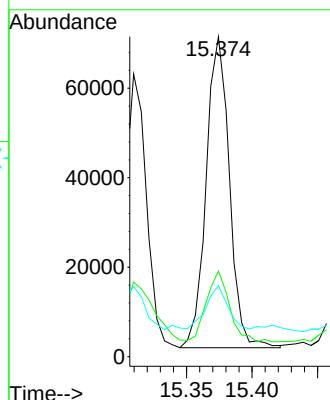
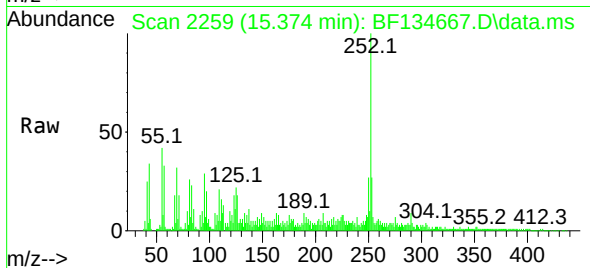
Tgt Ion:	252	Resp:	8580
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.0	25.4
125	22.2	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#92

Benzo(g,h,i)perylene

Concen: 3.668 ng

RT: 17.368 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Tgt Ion:	276	Resp:	51928
Ion Ratio	Lower	Upper	
276	100		
277	28.3	19.0	28.6
138	26.1	12.2	18.2

