

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134799.D
 Acq On : 16 Aug 2023 09:57
 Operator : CG\JU
 Sample : 04017-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-081423-A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023

Quant Time: Aug 17 01:29:54 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	161830	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	602623	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	278369	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	406074	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	313142	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	225175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	665764	62.537	ng	0.00
7) Phenol-d6	6.434	99	818312	60.131	ng	0.00
23) Nitrobenzene-d5	7.357	82	487719	50.577	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	171391	60.398	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	892894	53.332	ng	-0.01
79) Terphenyl-d14	12.916	244	803013	45.206	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	208542	9.669	ng	99
75) Fluoranthene	12.539	202	316571	13.895	ng	98
78) Pyrene	12.769	202	328166	12.111	ng	97
81) Benzo(a)anthracene	13.963	228	144040	6.433	ng	94
83) Chrysene	13.998	228	145661m	6.677	ng	
87) Indeno(1,2,3-cd)pyrene	16.933	276	45907	3.466	ng	# 95
88) Benzo(b)fluoranthene	15.015	252	127837m	9.309	ng	
89) Benzo(k)fluoranthene	15.039	252	40033m	2.926	ng	
90) Benzo(a)pyrene	15.380	252	83876	6.550	ng	# 86
92) Benzo(g,h,i)perylene	17.386	276	46158	4.228	ng	# 82

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

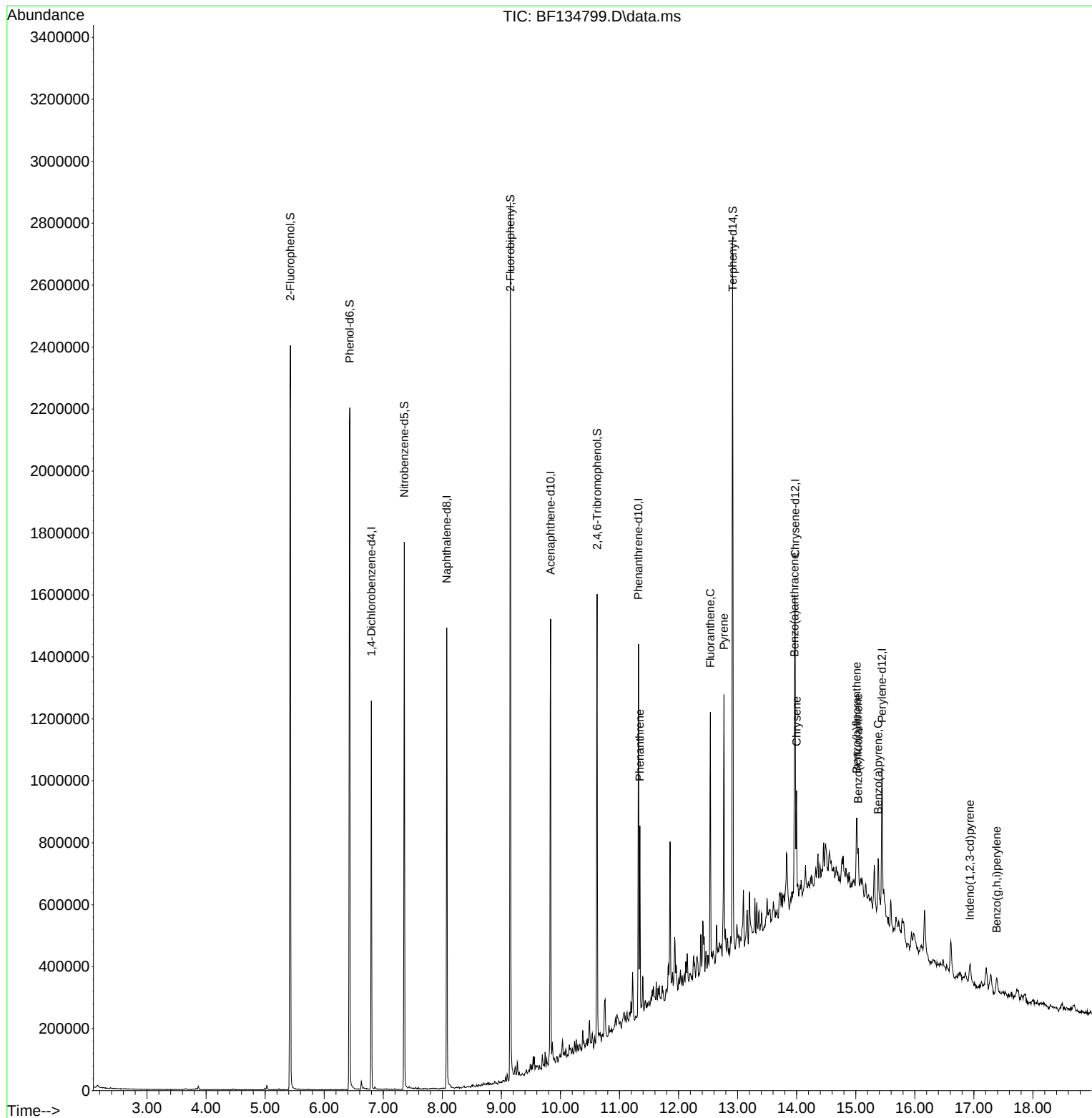
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
Data File : BF134799.D
Acq On : 16 Aug 2023 09:57
Operator : CG\JU
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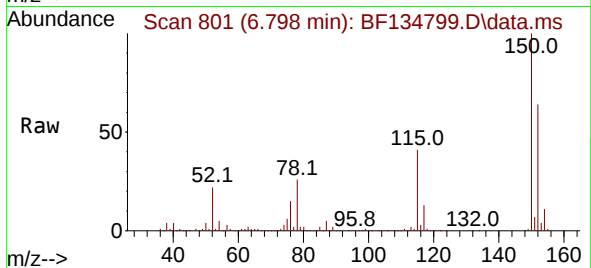
Quant Time: Aug 17 01:29:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

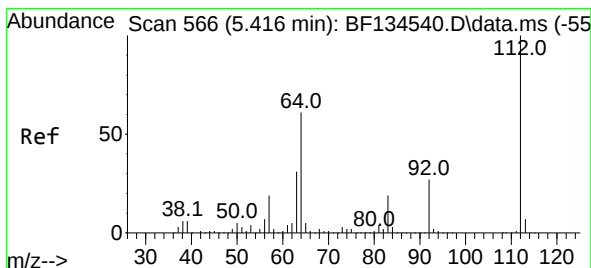
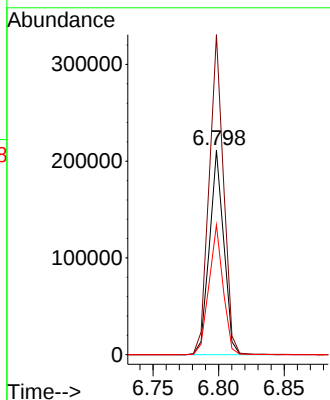
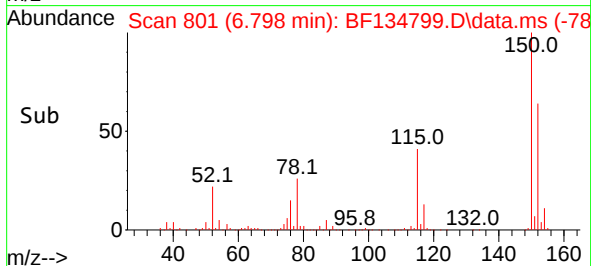
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A



Tgt Ion:152 Resp: 161830
Ion Ratio Lower Upper
152 100
150 156.5 128.3 192.5
115 63.5 52.4 78.6

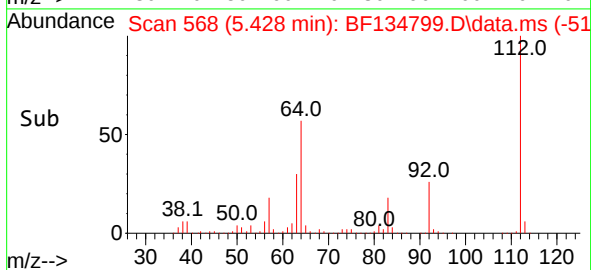
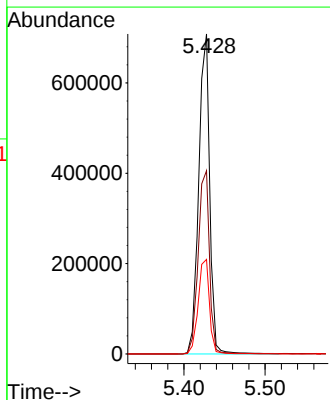
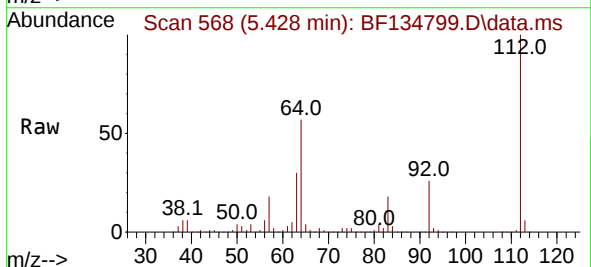
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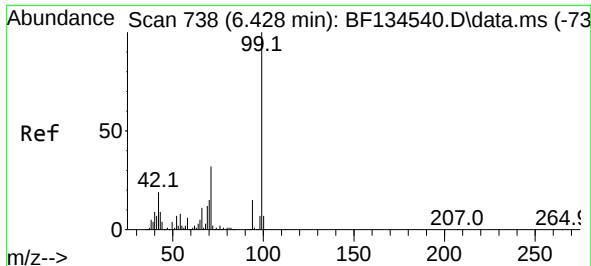
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#5
2-Fluorophenol
Concen: 62.537 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

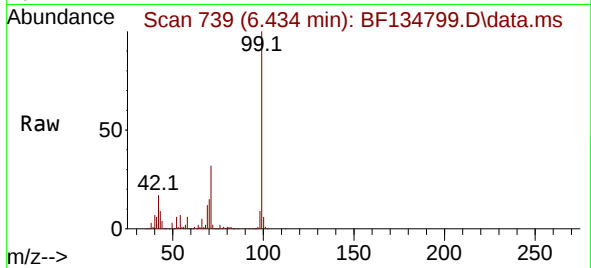
Tgt Ion:112 Resp: 665764
Ion Ratio Lower Upper
112 100
64 57.2 44.9 67.3
63 29.6 25.4 38.0





#7
Phenol-d6
Concen: 60.131 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

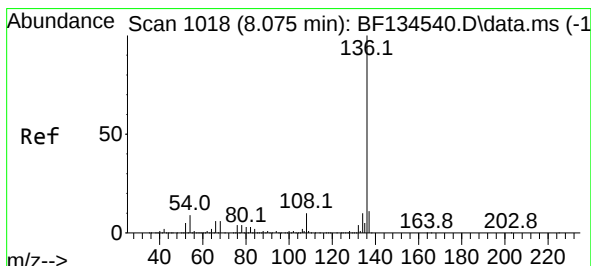
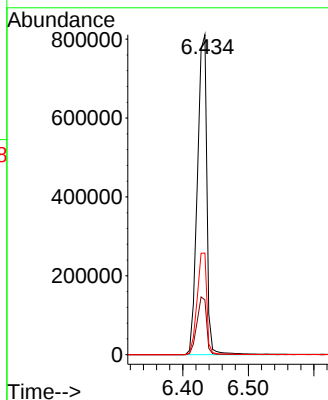
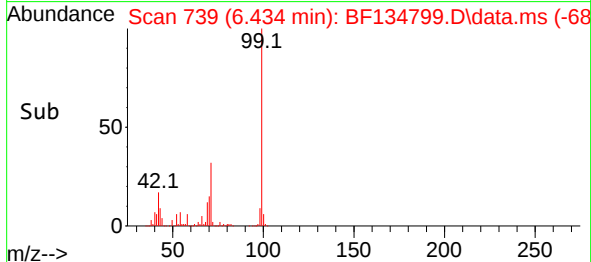
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 818312
Ion Ratio Lower Upper
99 100
42 17.1 18.7 28.1#
71 31.8 36.4 54.6#

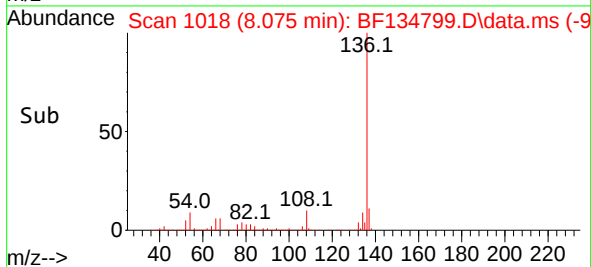
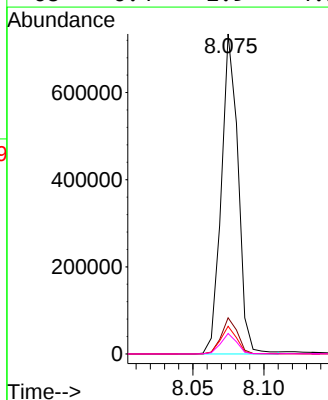
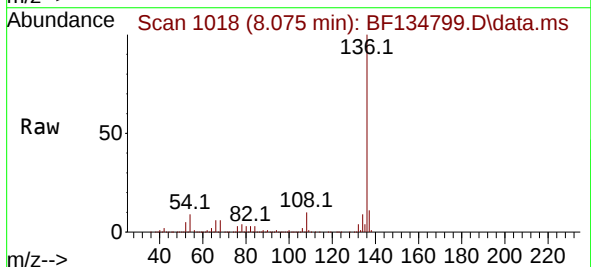
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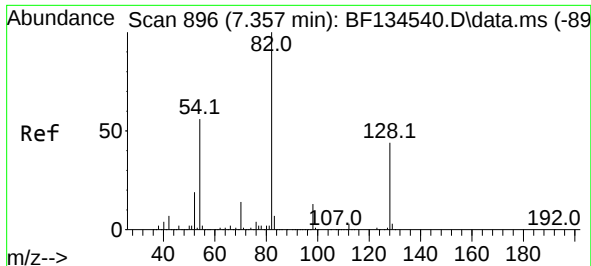
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:136 Resp: 602623
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.7 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 50.577 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134799.D

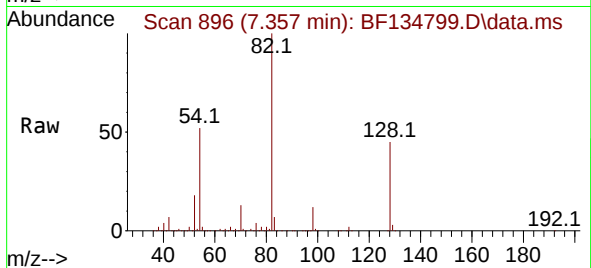
Acq: 16 Aug 2023 09:57

Instrument :

BNA_F

ClientSampleId :

JC-03-081423-A



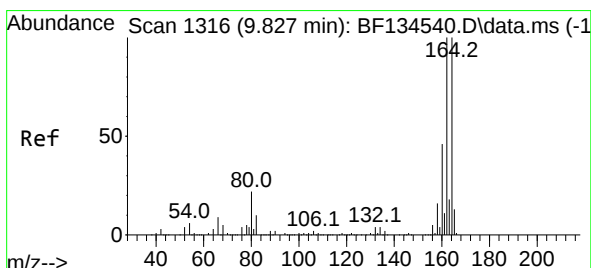
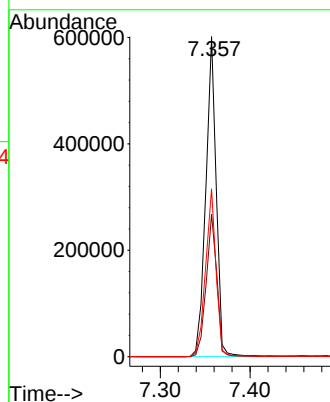
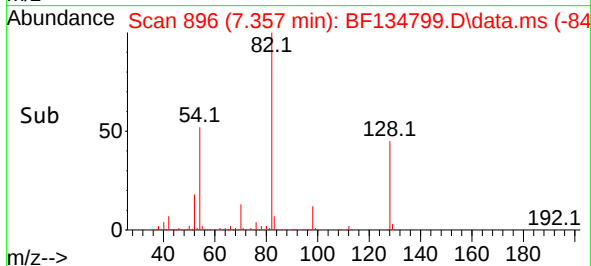
Tgt Ion:	82	Resp:	487719
Ion Ratio	Lower	Upper	
82	100		
128	44.5	34.3	51.5
54	52.5	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

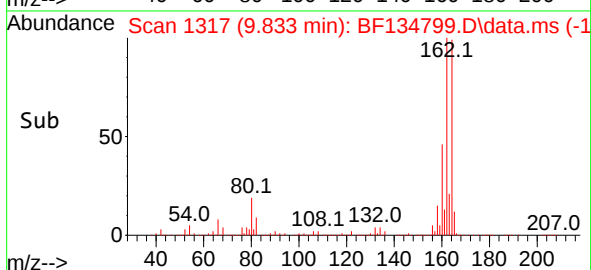
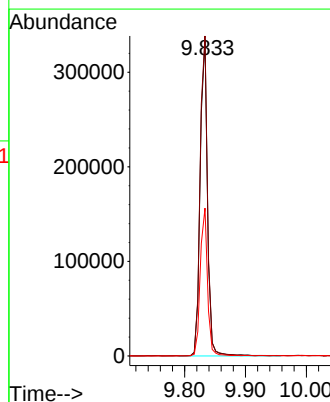
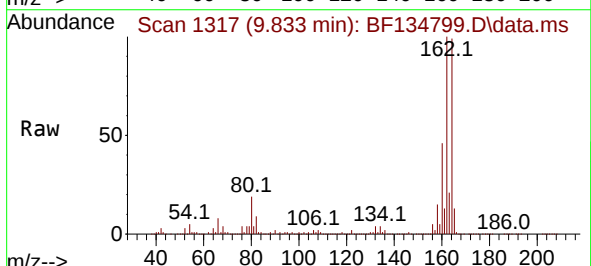
RT: 9.833 min Scan# 1317

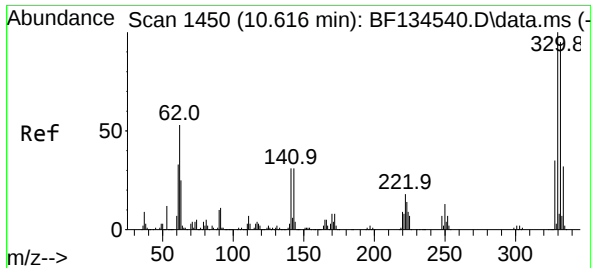
Delta R.T. 0.000 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

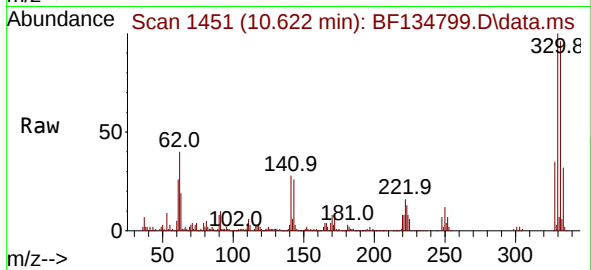
Tgt Ion:	164	Resp:	278369
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.6	123.8
160	46.7	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 60.398 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

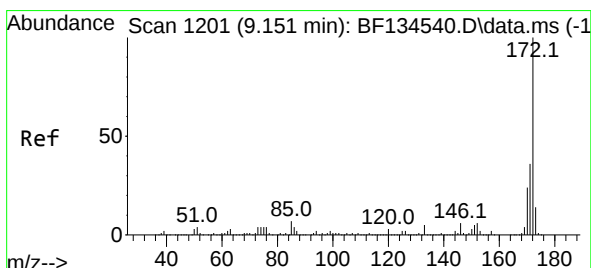
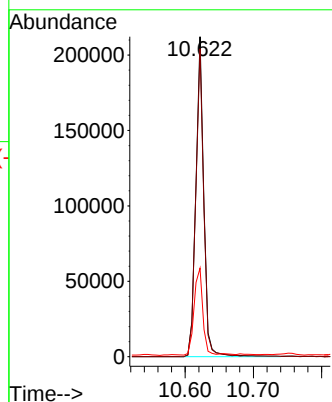
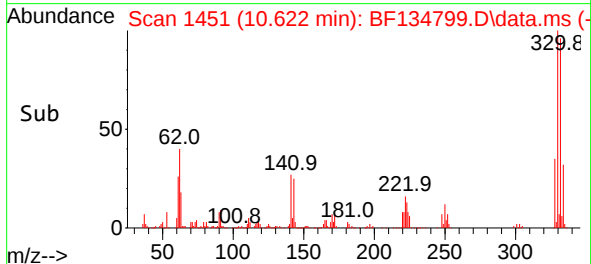
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A



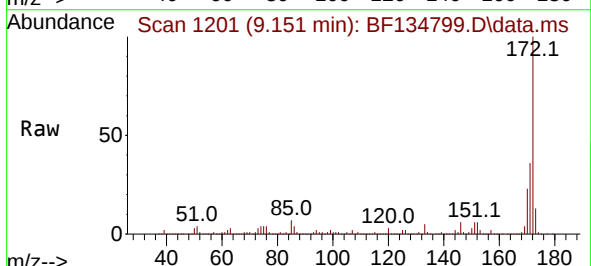
Tgt Ion: 330 Resp: 17139
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 29.2 25.4 38.2

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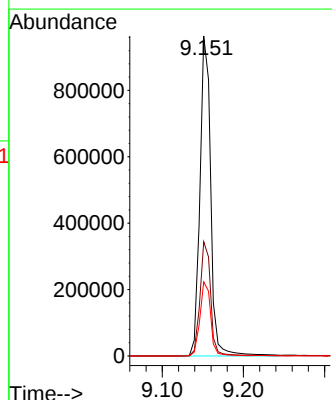
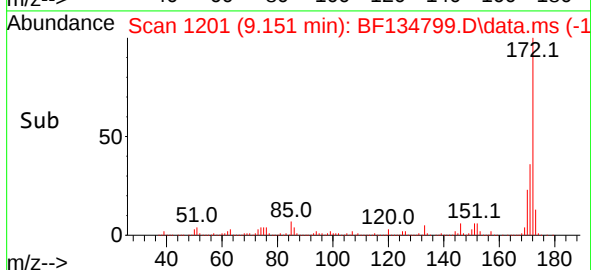
Reviewed By : Yogesh Patel 08/17/2023
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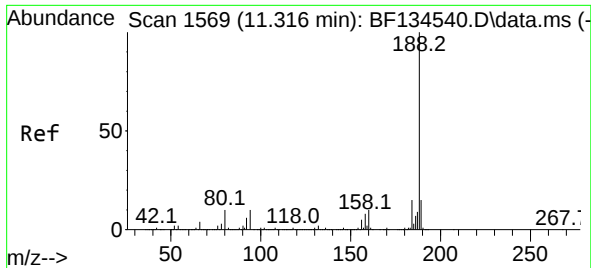


#45
2-Fluorobiphenyl
Concen: 53.332 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57



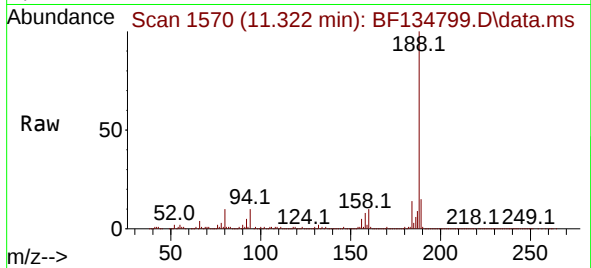
Tgt Ion: 172 Resp: 892894
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.1 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

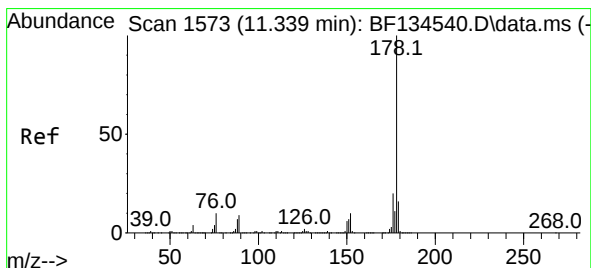
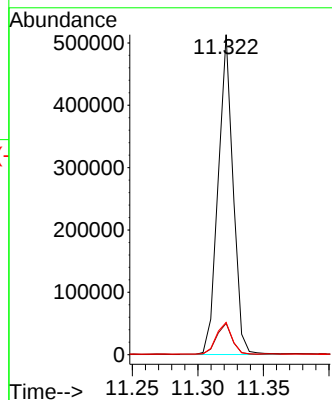
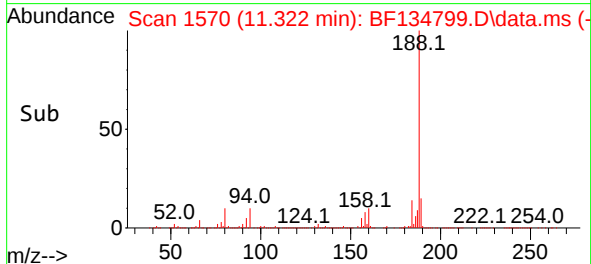
Instrument :
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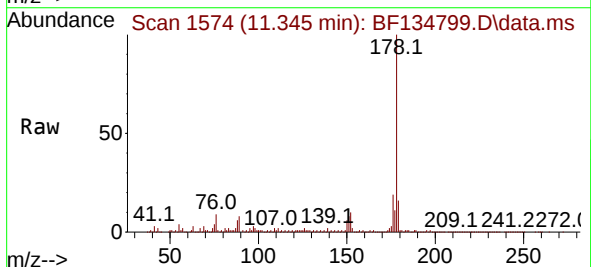
Tgt Ion:188 Resp: 406074
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7
80 10.1 6.6 9.8

Manual Integrations
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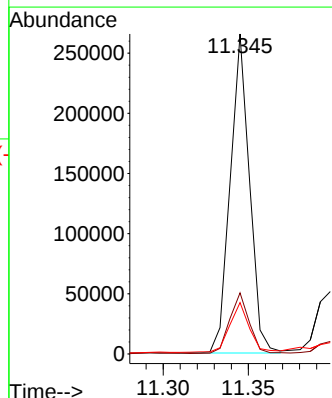
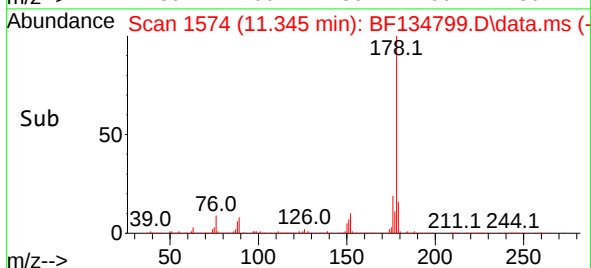
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

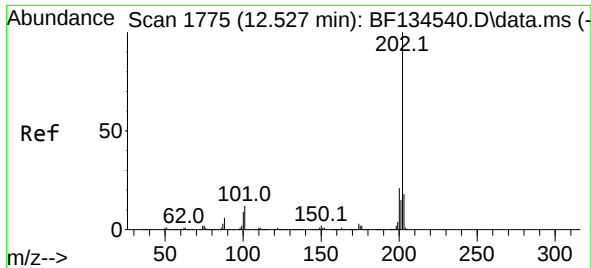


#71
Phenanthrene
Concen: 9.669 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57



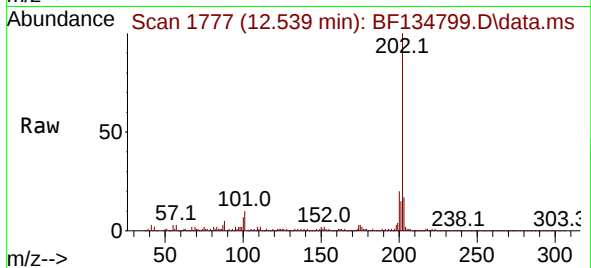
Tgt Ion:178 Resp: 208542
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 16.1 12.7 19.1





#75
Fluoranthene
Concen: 13.895 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

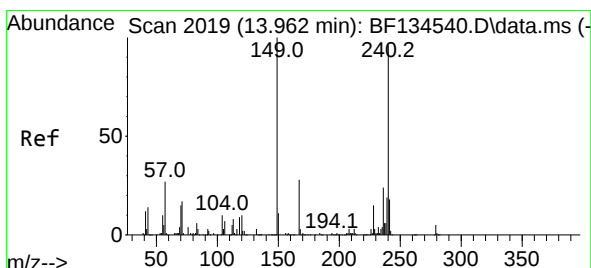
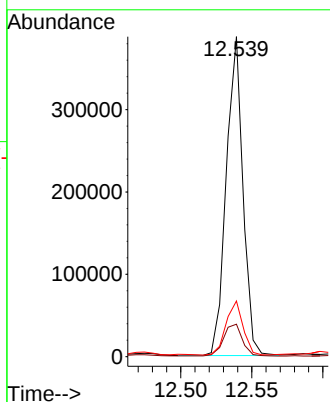
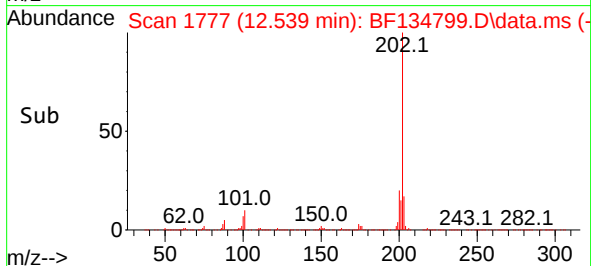
Instrument :
BNA_F
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JC-03-081423-A



Tgt Ion:202 Resp: 31657
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.5
203 17.4 0.0 37.5

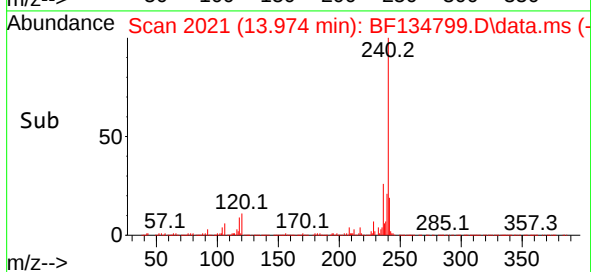
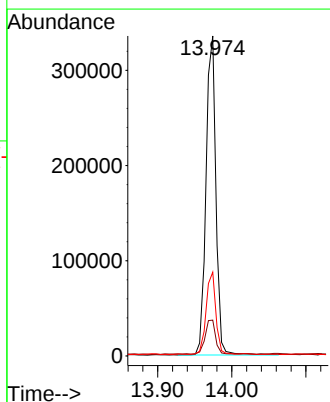
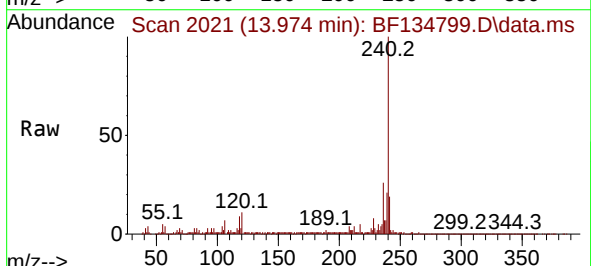
Manual Integrations
APPROVED

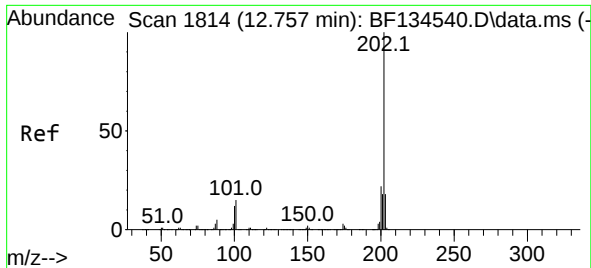
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

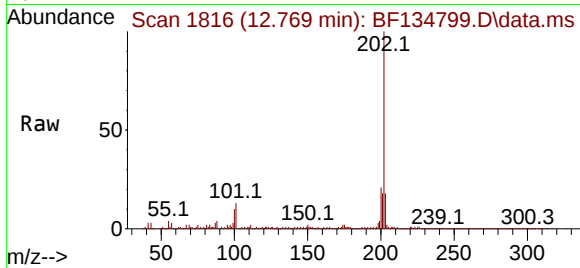
Tgt Ion:240 Resp: 313142
Ion Ratio Lower Upper
240 100
120 11.2 6.6 10.0#
236 26.2 20.2 30.2





#78
Pyrene
Concen: 12.111 ng
RT: 12.769 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

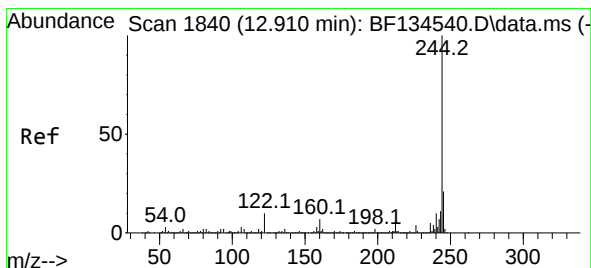
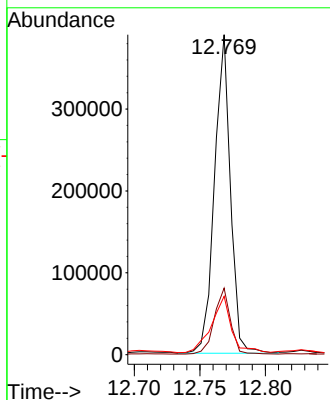
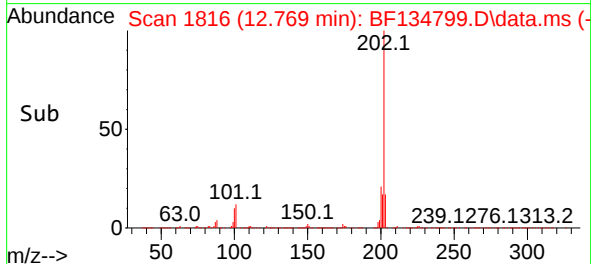
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A



Tgt Ion:202 Resp: 328160
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.8
203 18.2 13.5 20.3

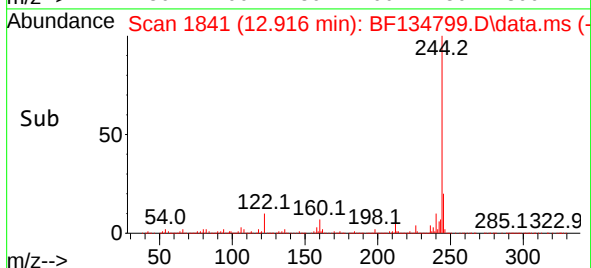
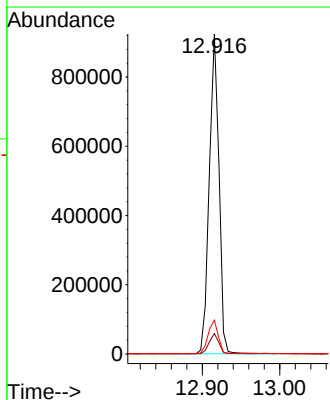
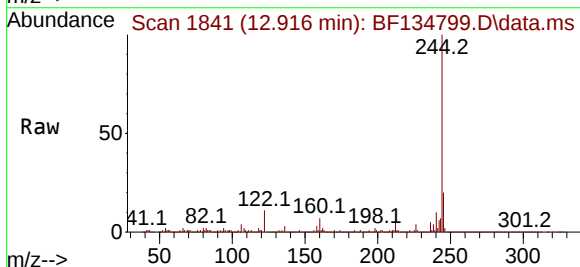
Manual Integrations
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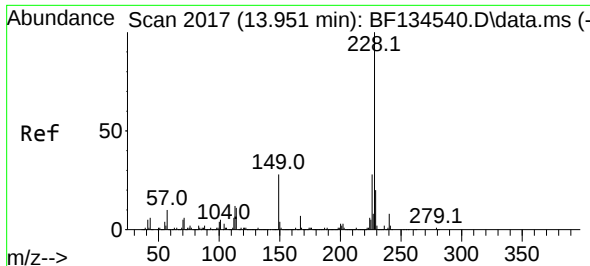
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#79
Terphenyl-d14
Concen: 45.206 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

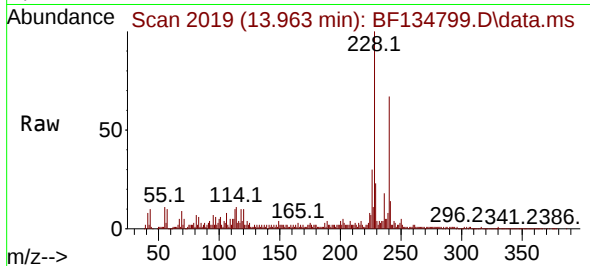
Tgt Ion:244 Resp: 803013
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.6 8.0 12.0





#81
Benzo(a)anthracene
Concen: 6.433 ng
RT: 13.963 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

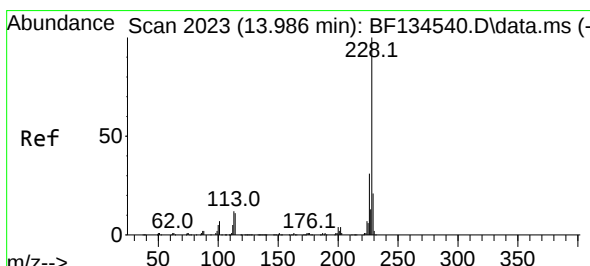
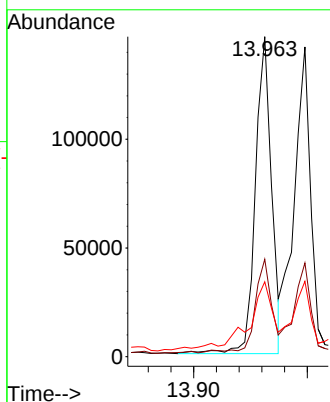
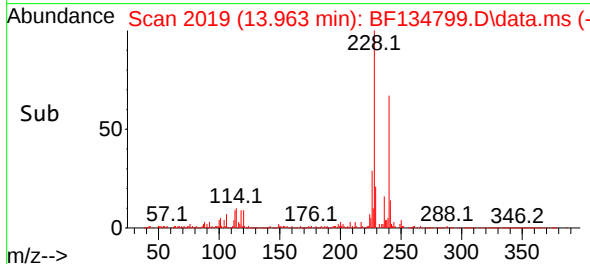
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A



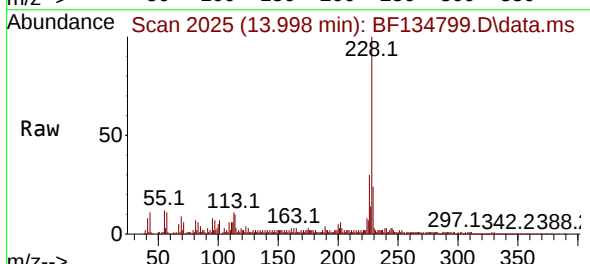
Tgt Ion:228 Resp: 144040
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 23.4 15.8 23.6

Manual Integrations
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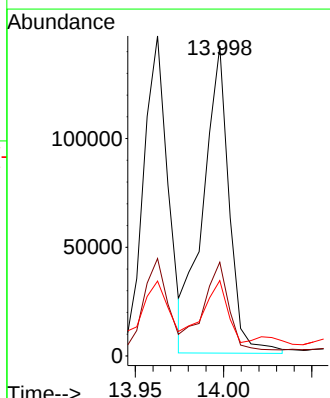
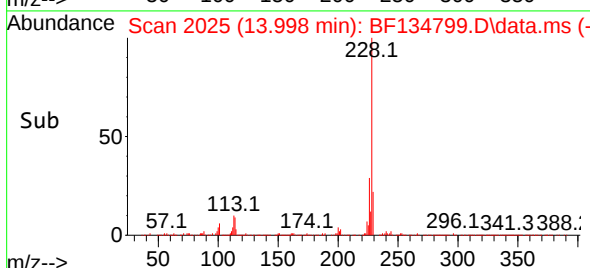
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

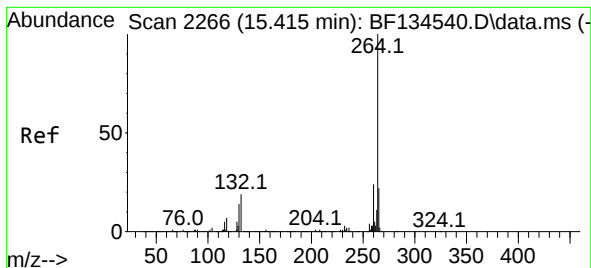


#83
Chrysene
Concen: 6.677 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57



Tgt Ion:228 Resp: 145661
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 24.4 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

Instrument :

BNA_F

ClientSampleId :

JC-03-081423-A

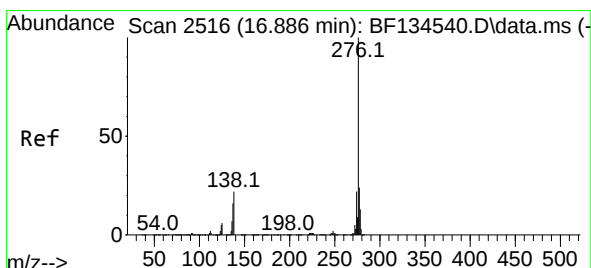
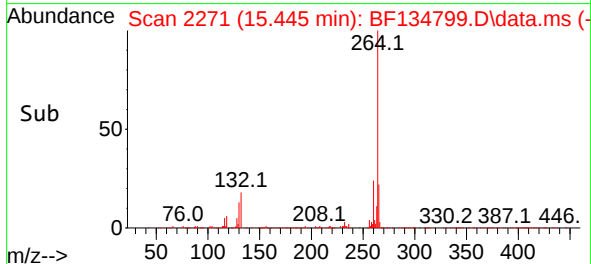
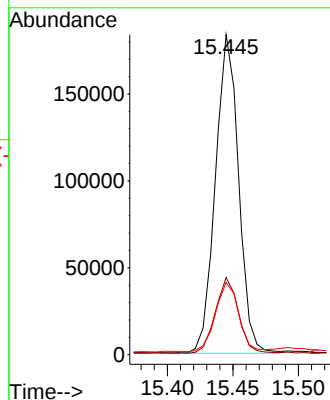
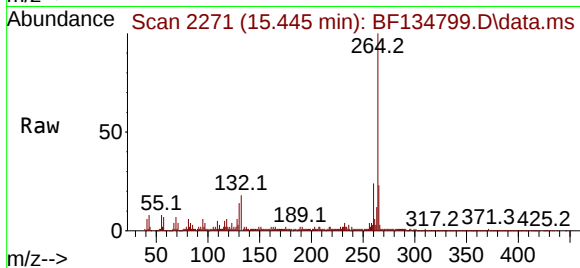
Tgt Ion:	264	Resp:	22517
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.4	27.6
265	22.6	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.466 ng

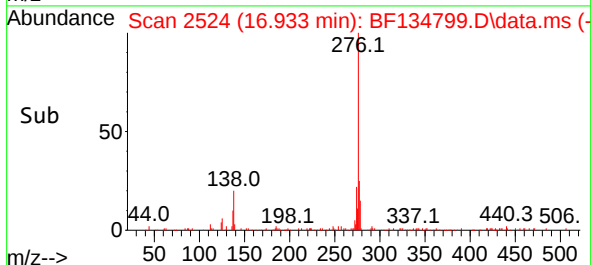
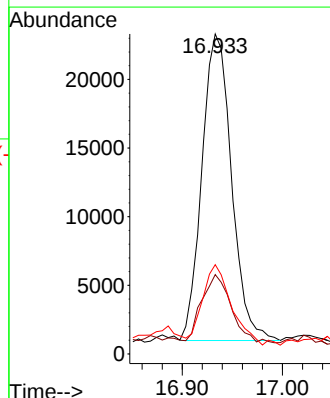
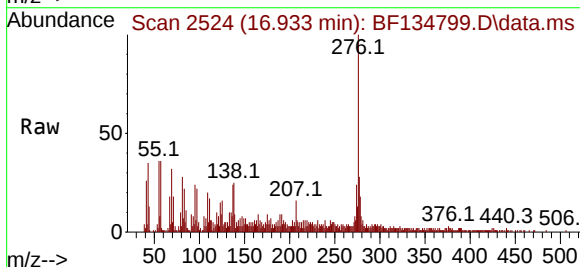
RT: 16.933 min Scan# 2524

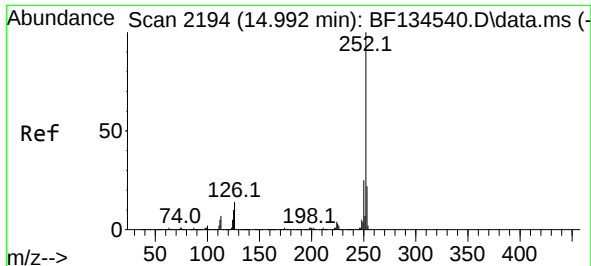
Delta R.T. 0.006 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

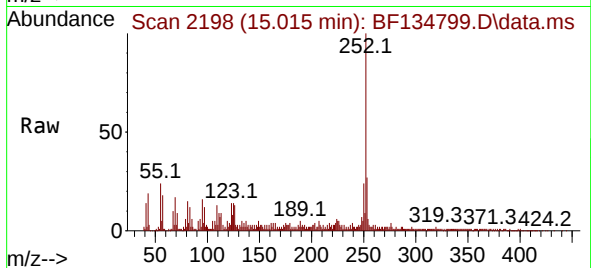
Tgt Ion:	276	Resp:	45907
Ion Ratio	Lower	Upper	
276	100		
138	22.0	14.2	21.4
277	25.5	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 9.309 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

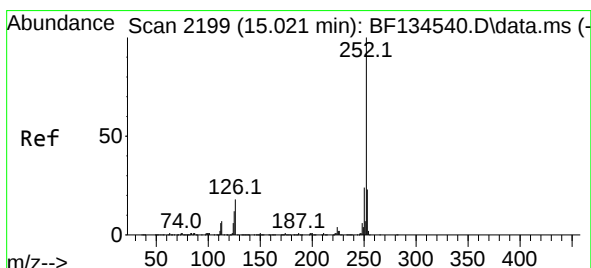
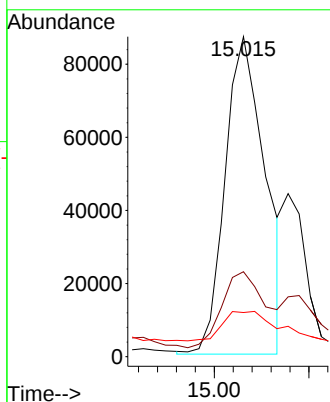
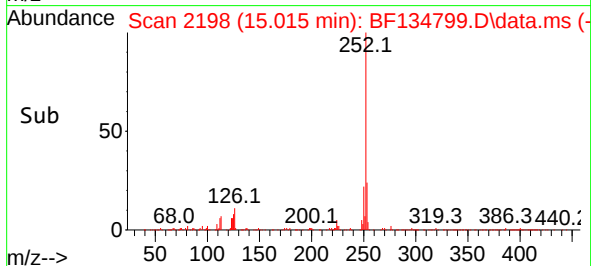
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A



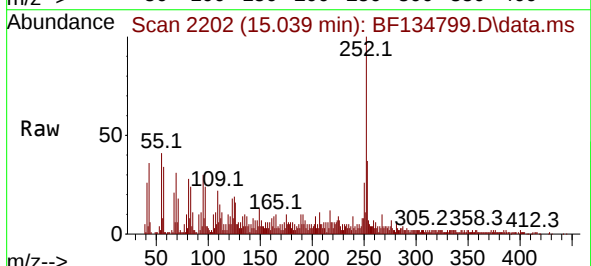
Tgt Ion:252 Resp: 12783
Ion Ratio Lower Upper
252 100
253 26.5 17.3 25.9#
125 13.8 6.0 9.0#

Manual Integrations
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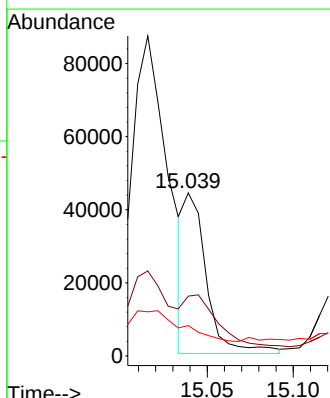
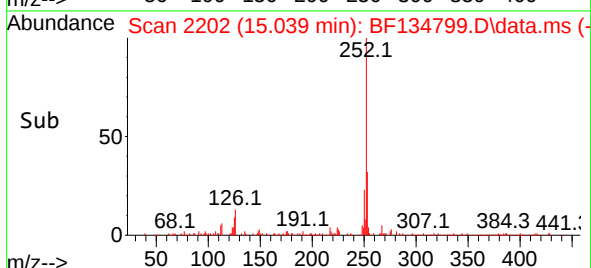
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

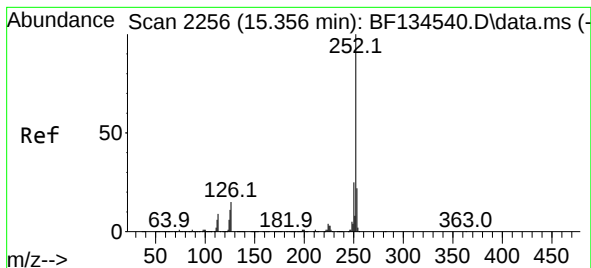


#89
Benzo(k)fluoranthene
Concen: 2.926 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57



Tgt Ion:252 Resp: 40033
Ion Ratio Lower Upper
252 100
253 36.7 17.9 26.9#
125 18.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 6.550 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

Instrument :

BNF

ClientSampleId :

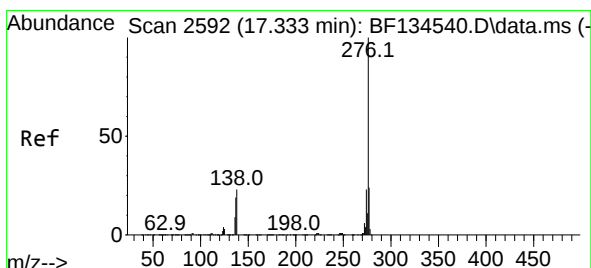
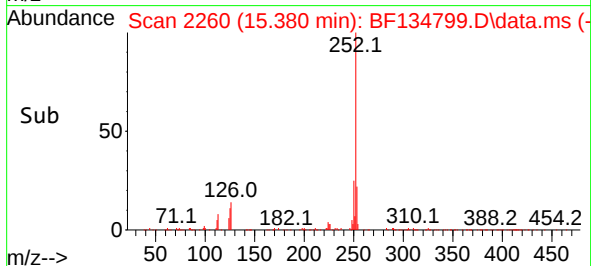
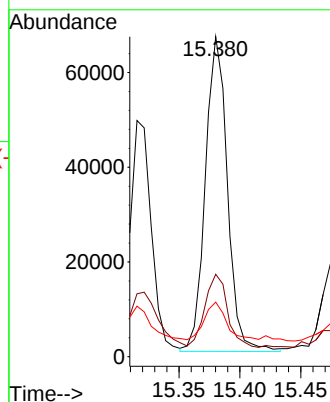
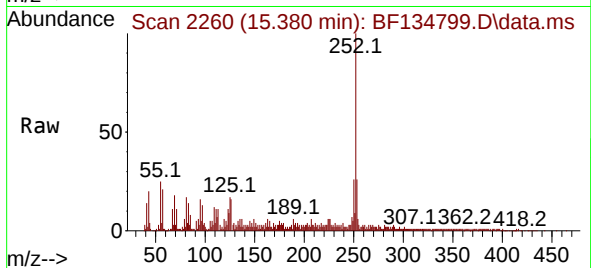
JC-03-081423-A

Tgt Ion:252 Resp: 83870
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.0 25.4#
 125 17.0 6.2 9.4#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#92

Benzo(g,h,i)perylene

Concen: 4.228 ng

RT: 17.386 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

Tgt Ion:276 Resp: 46158
 Ion Ratio Lower Upper
 276 100
 277 29.5 19.0 28.6#
 138 27.1 12.2 18.2#

