

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134565.D
 Acq On : 02 Aug 2023 00:09
 Operator : CG\JU
 Sample : 03645-06DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-(0.5-2.0)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/02/2023
 Supervised By :mohammad ahmed 08/02/2023

Quant Time: Aug 02 02:47:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	176047	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	669108	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	288095	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	446577	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	335956	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	267080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	275066	23.751	ng	-0.01
7) Phenol-d6	6.410	99	351976	23.775	ng	-0.02
23) Nitrobenzene-d5	7.345	82	195417	18.251	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	60908	20.739	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	366138	21.131	ng	0.00
79) Terphenyl-d14	12.904	244	323050	16.951	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	413642	17.438	ng	99
72) Anthracene	11.386	178	98309	4.057	ng	99
75) Fluoranthene	12.527	202	546233	21.800	ng	97
78) Pyrene	12.757	202	453292	15.593	ng	98
81) Benzo(a)anthracene	13.945	228	237138	9.872	ng	99
83) Chrysene	13.980	228	216941	9.269	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	76120	4.846	ng	# 95
88) Benzo(b)fluoranthene	14.992	252	224244m	13.767	ng	
89) Benzo(k)fluoranthene	15.015	252	66375m	4.091	ng	
90) Benzo(a)pyrene	15.351	252	134432	8.851	ng	# 91
92) Benzo(g,h,i)perylene	17.327	276	74407	5.746	ng	# 90

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

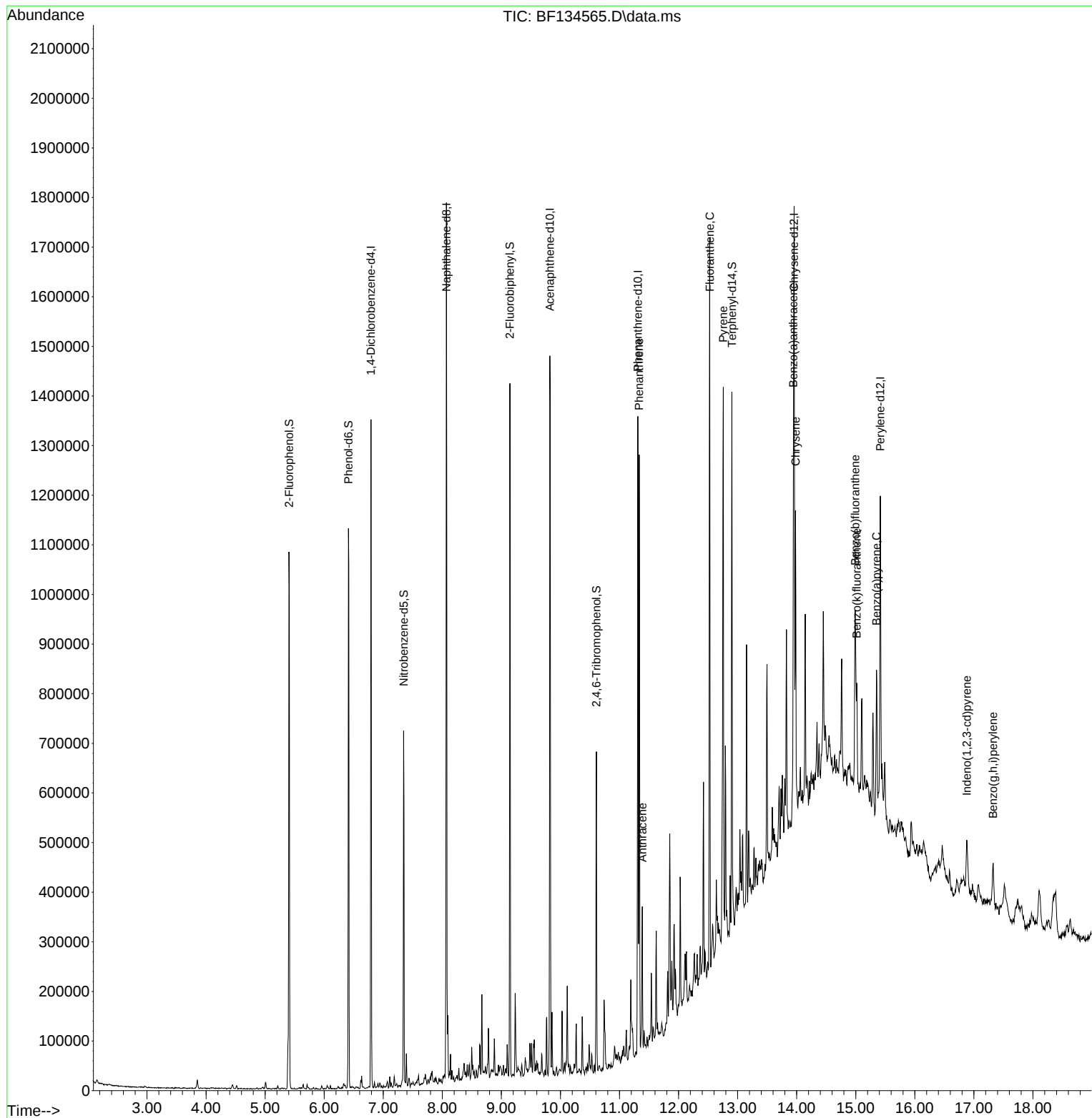
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
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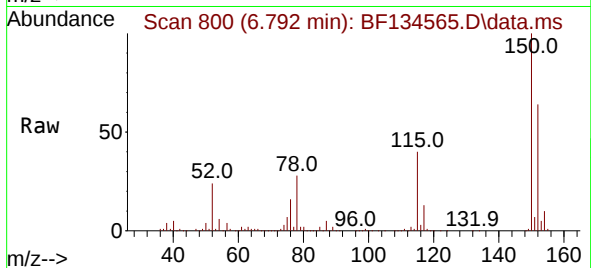
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

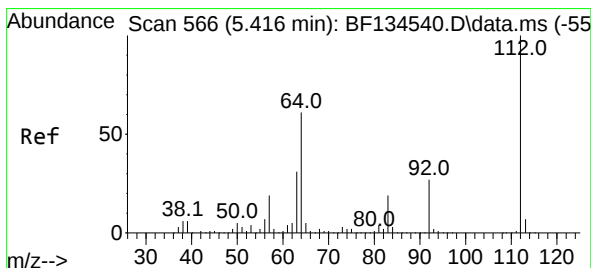
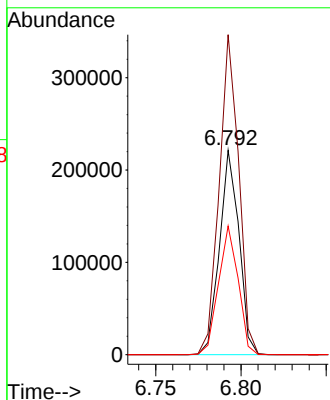
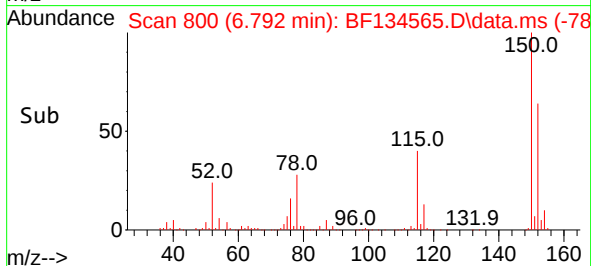
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL



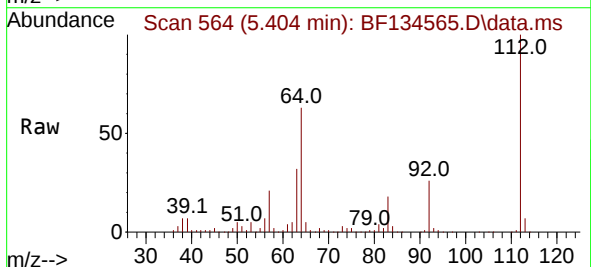
Tgt Ion:152 Resp: 17604
Ion Ratio Lower Upper
152 100
150 156.6 128.3 192.5
115 63.0 52.4 78.6

Manual Integrations
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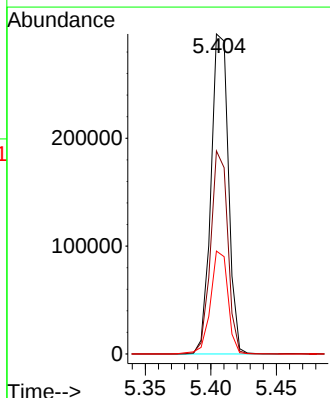
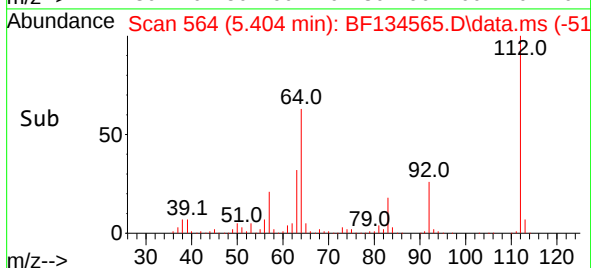
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#5
2-Fluorophenol
Concen: 23.751 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.012 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09



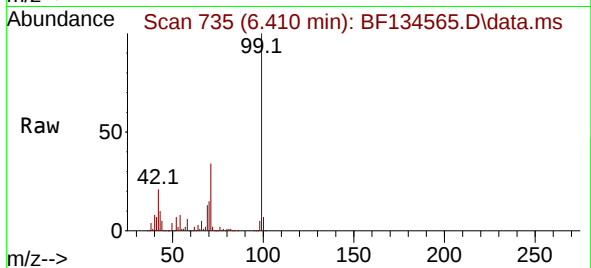
Tgt Ion:112 Resp: 275066
Ion Ratio Lower Upper
112 100
64 63.4 44.9 67.3
63 32.2 25.4 38.0





#7
Phenol-d6
Concen: 23.775 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

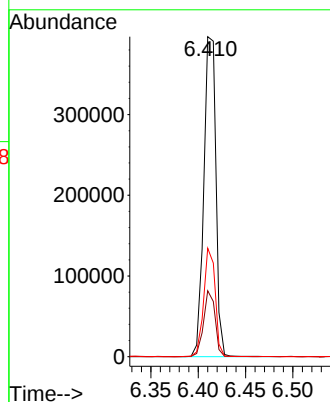
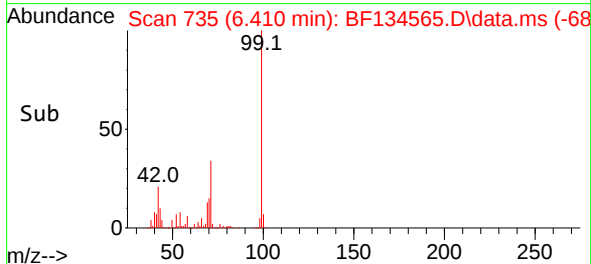
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL



Tgt Ion: 99 Resp: 351970
Ion Ratio Lower Upper
99 100
42 20.6 18.7 28.1
71 33.9 36.4 54.6

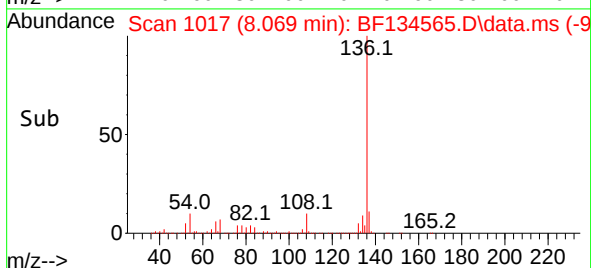
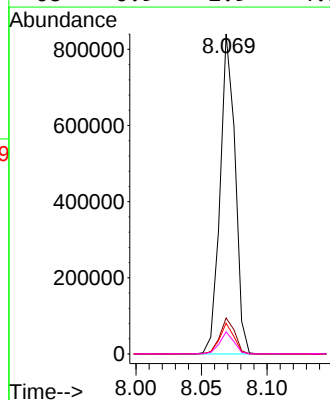
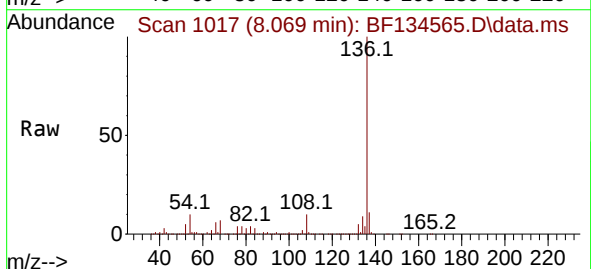
Manual Integrations
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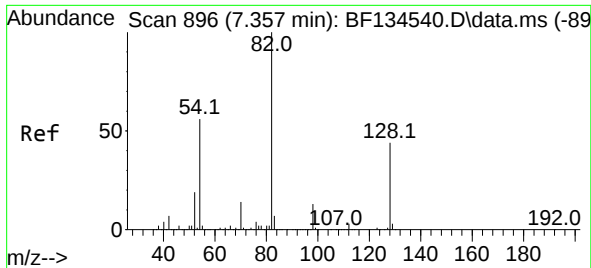
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

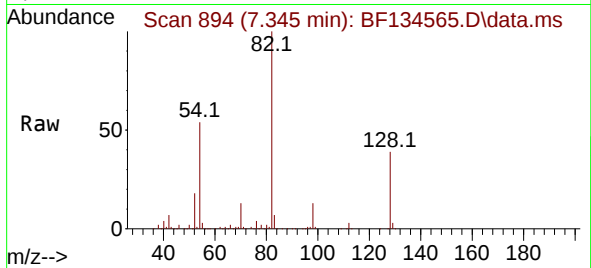
Tgt Ion:136 Resp: 669108
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.6 5.2 7.8#
68 6.9 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 18.251 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

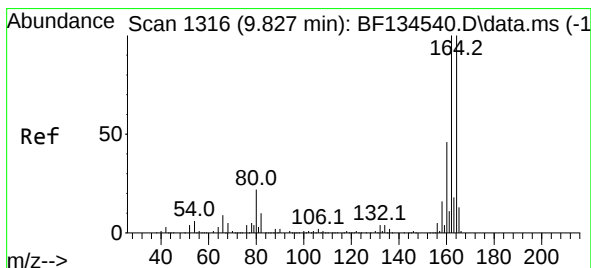
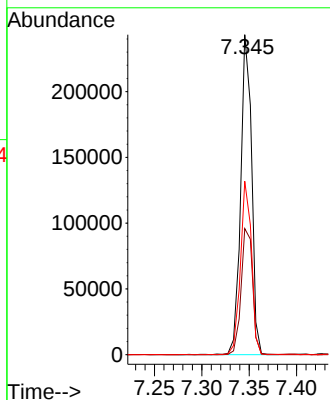
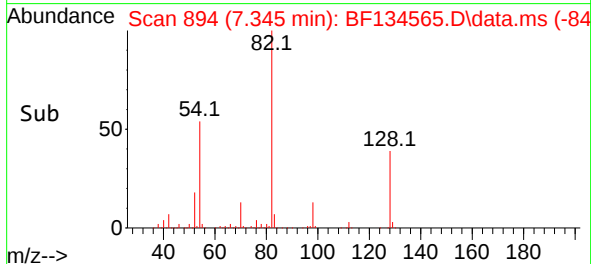
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 19541
Ion Ratio Lower Upper
82 100
128 39.4 34.3 51.5
54 54.2 43.8 65.6

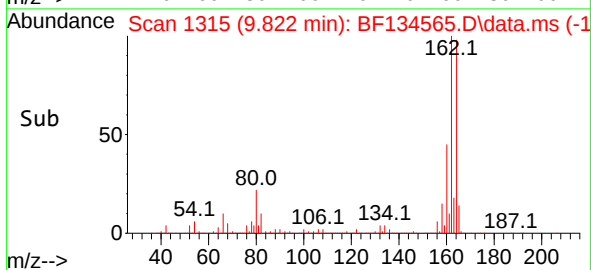
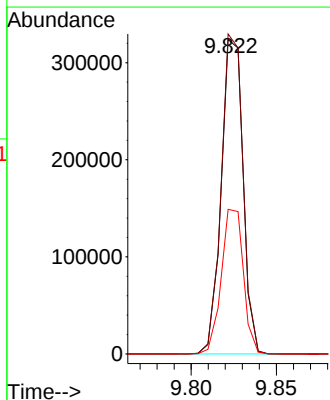
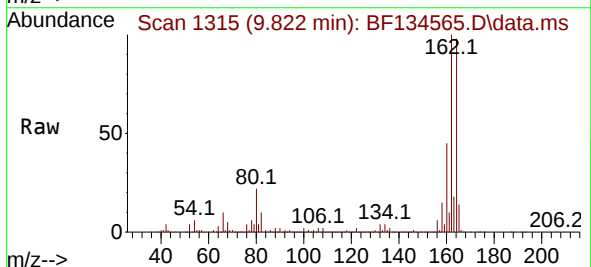
Manual Integrations
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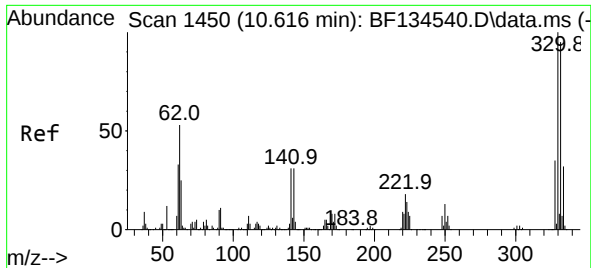
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

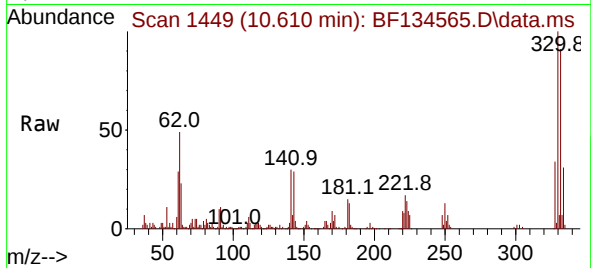
Tgt Ion:164 Resp: 288095
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 46.0 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 20.739 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

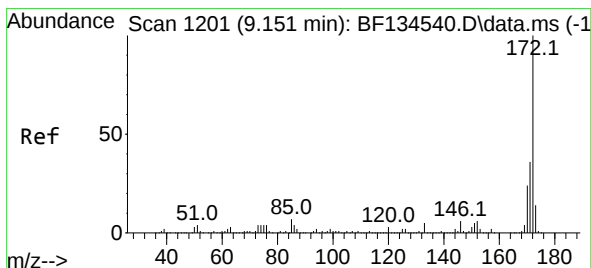
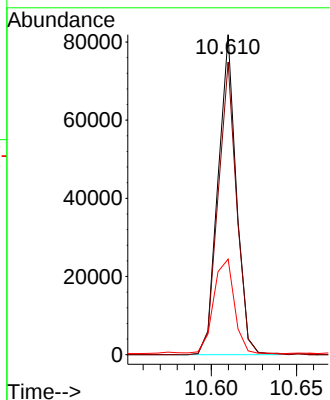
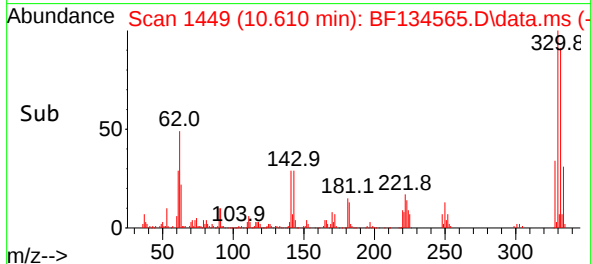
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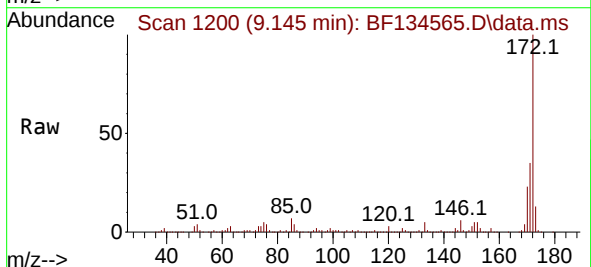
Tgt Ion: 330 Resp: 60908
Ion Ratio Lower Upper
330 100
332 93.0 78.8 118.2
141 33.8 25.4 38.2

Manual Integrations
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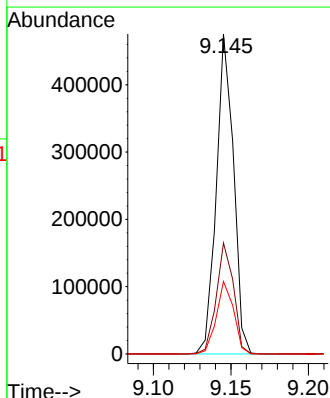
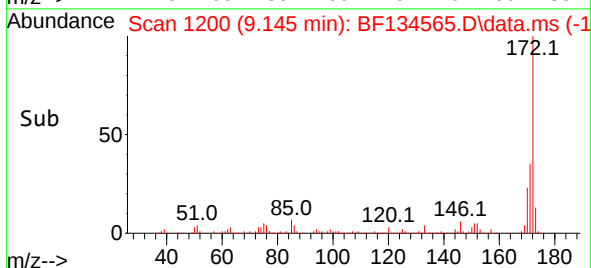
Reviewed By : Yogesh Patel 08/02/2023
Supervised By : mohammad ahmed 08/02/2023



#45
2-Fluorobiphenyl
Concen: 21.131 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09



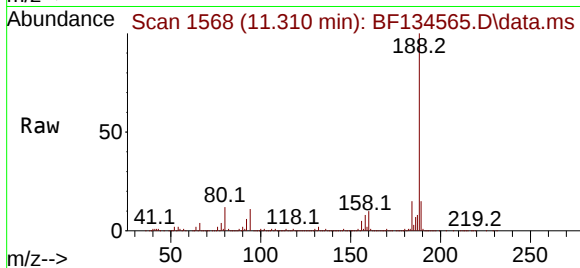
Tgt Ion: 172 Resp: 366138
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 22.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

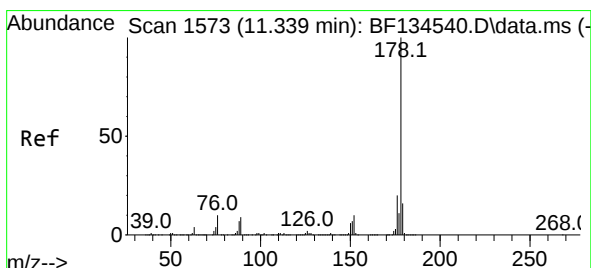
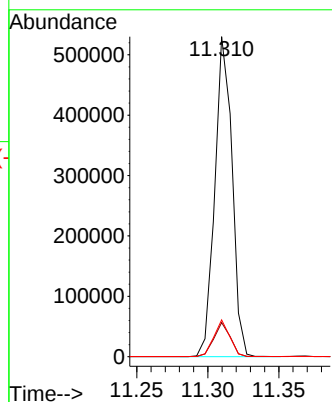
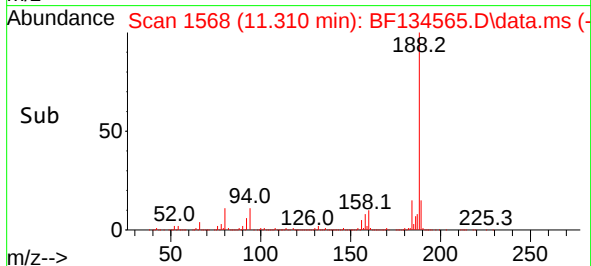
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL



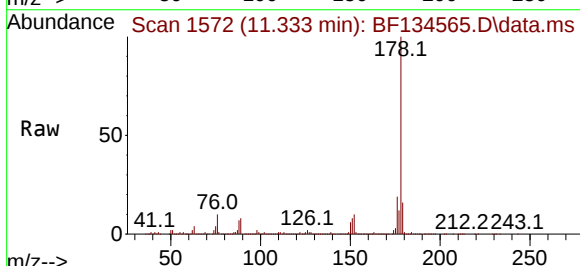
Tgt Ion:188 Resp: 446572
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7
80 11.5 6.6 9.8

Manual Integrations
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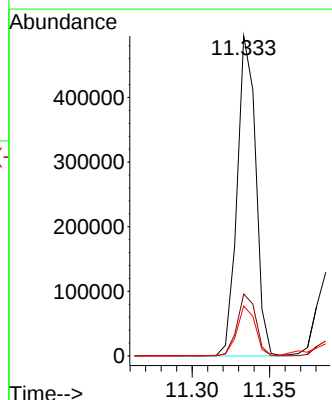
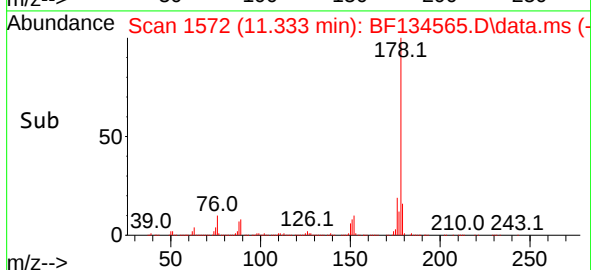
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

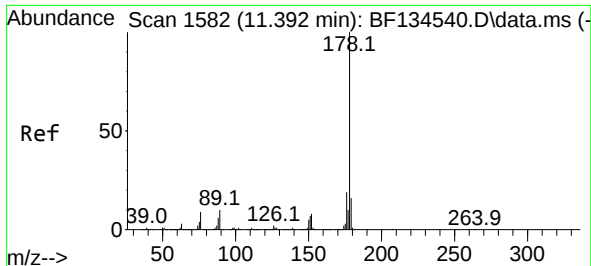


#71
Phenanthrene
Concen: 17.438 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09



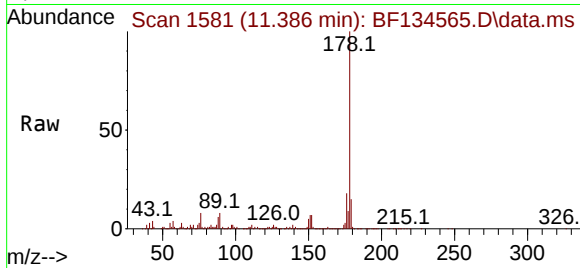
Tgt Ion:178 Resp: 413642
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.6 12.7 19.1





#72
 Anthracene
 Concen: 4.057 ng
 RT: 11.386 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF134565.D
 Acq: 02 Aug 2023 00:09

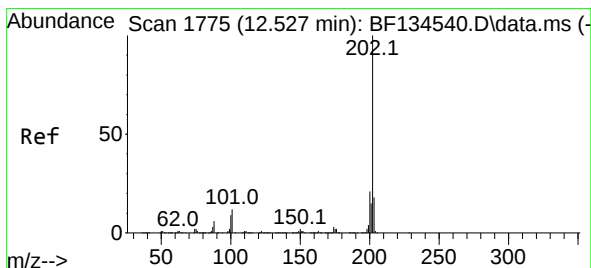
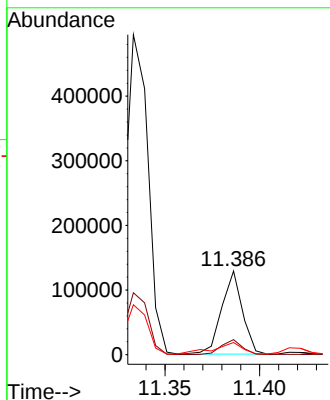
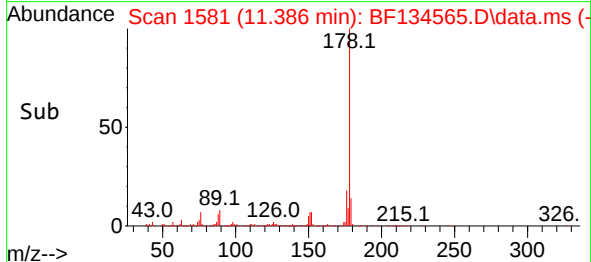
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 SB-10-(0.5-2.0)DL



Tgt Ion:178 Resp: 98309
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 14.6 12.3 18.5

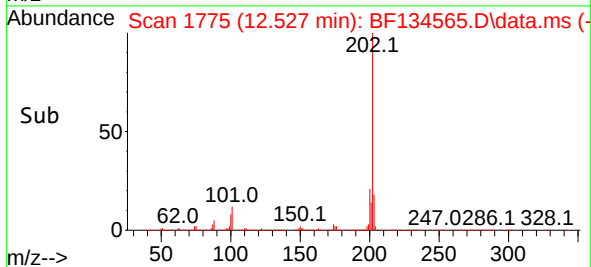
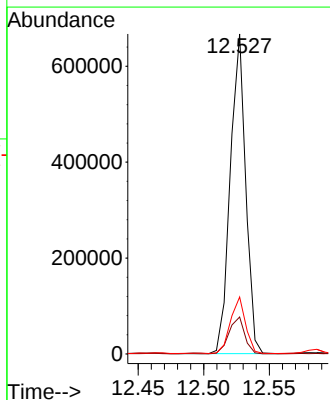
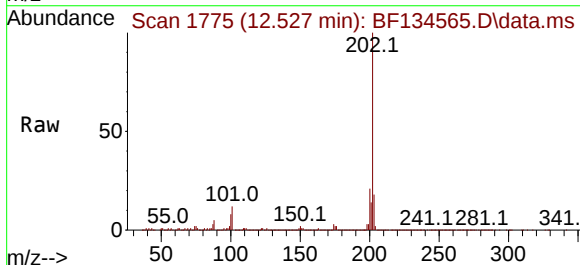
Manual Integrations
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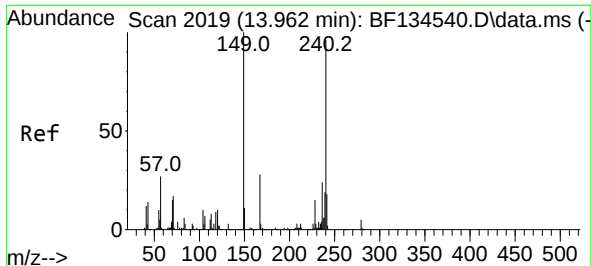
Reviewed By :Yogesh Patel 08/02/2023
 Supervised By :mohammad ahmed 08/02/2023



#75
 Fluoranthene
 Concen: 21.800 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF134565.D
 Acq: 02 Aug 2023 00:09

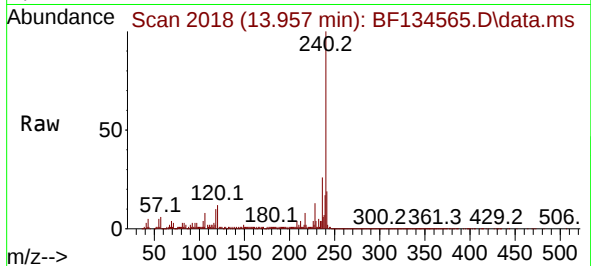
Tgt Ion:202 Resp: 546233
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 28.5
 203 17.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

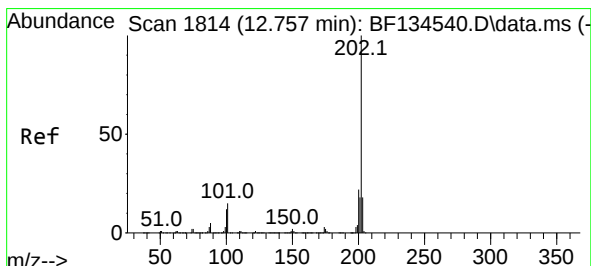
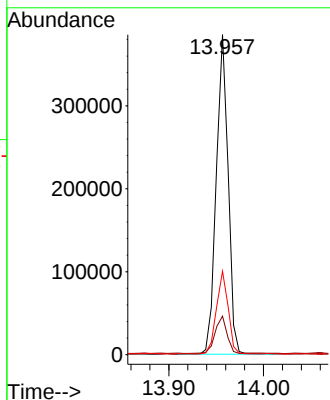
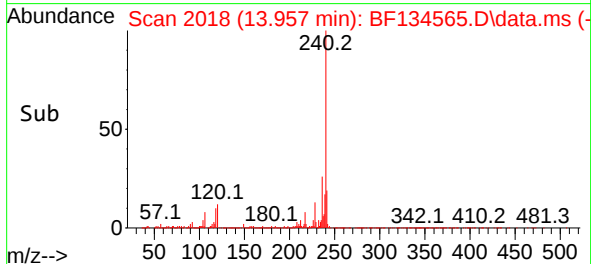
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL



Tgt Ion:240 Resp: 335950
Ion Ratio Lower Upper
240 100
120 12.1 6.6 10.0
236 26.1 20.2 30.2

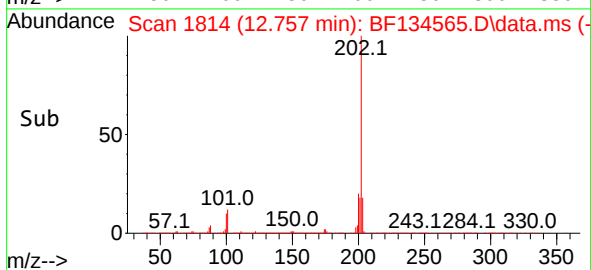
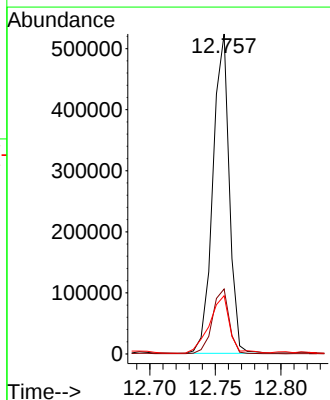
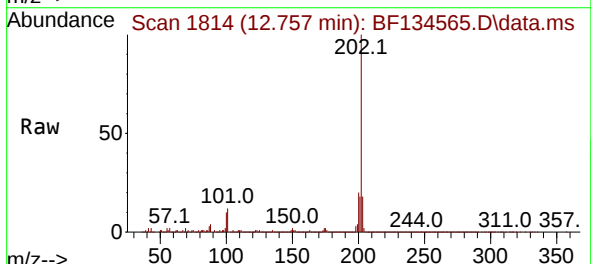
Manual Integrations
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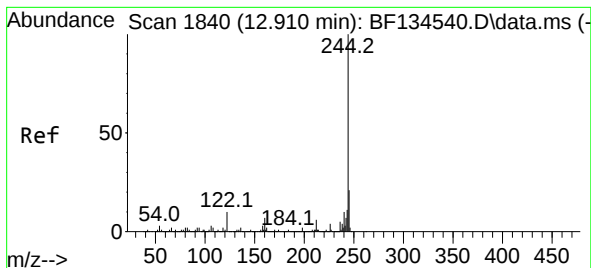
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#78
Pyrene
Concen: 15.593 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion:202 Resp: 453292
Ion Ratio Lower Upper
202 100
200 20.3 15.8 23.8
203 18.2 13.5 20.3





#79

Terphenyl-d14

Concen: 16.951 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF134565.D

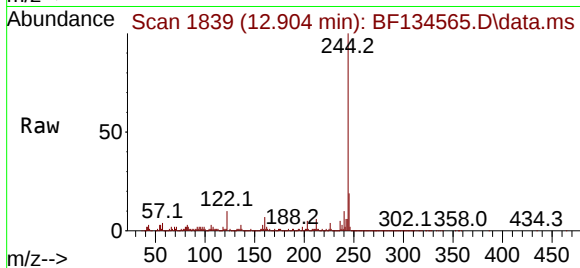
Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL



Tgt Ion:244 Resp: 323050

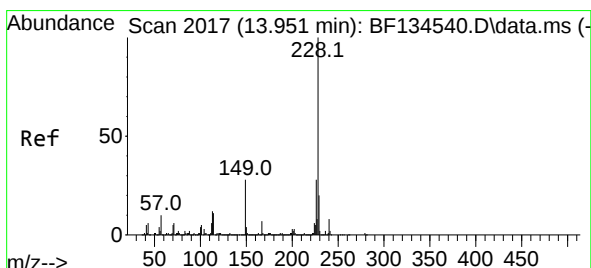
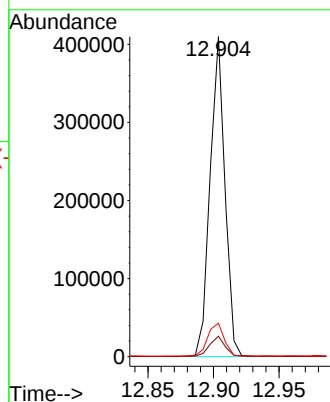
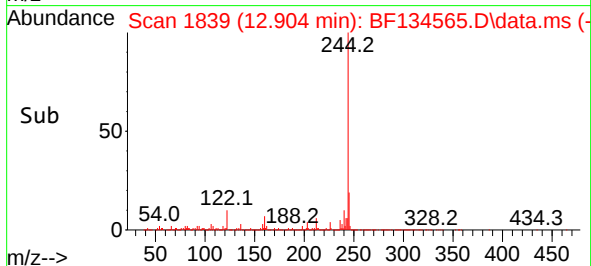
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.4	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#81

Benzo(a)anthracene

Concen: 9.872 ng

RT: 13.945 min Scan# 2016

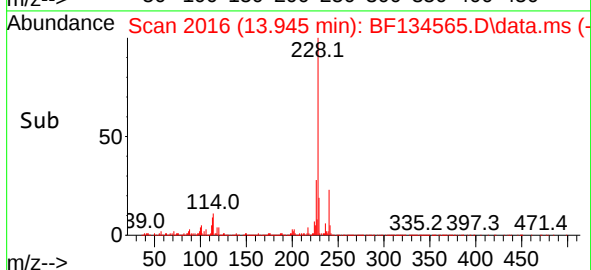
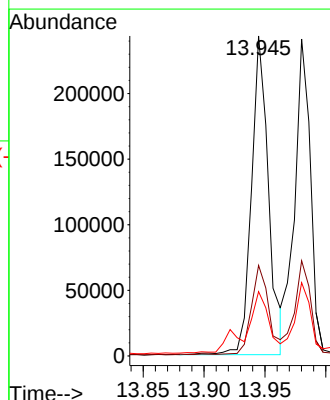
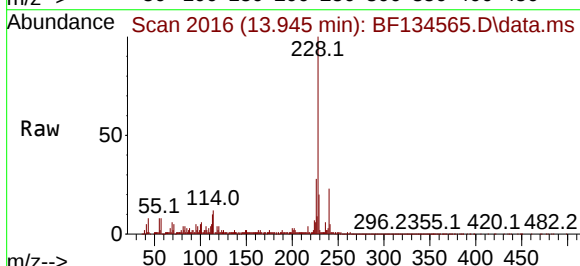
Delta R.T. -0.006 min

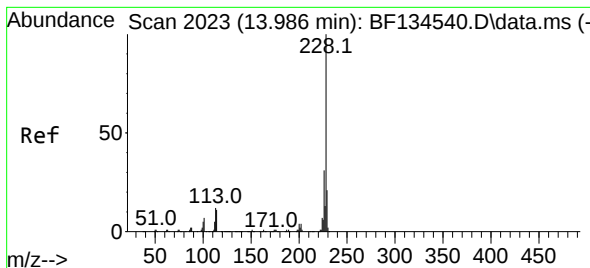
Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Tgt Ion:228 Resp: 237138

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	20.1	15.8	23.6





#83

Chrysene

Concen: 9.269 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

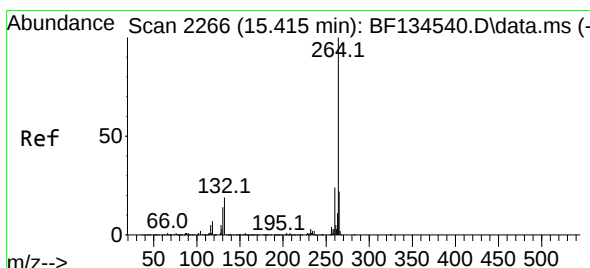
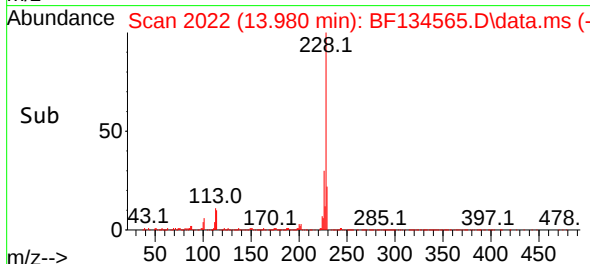
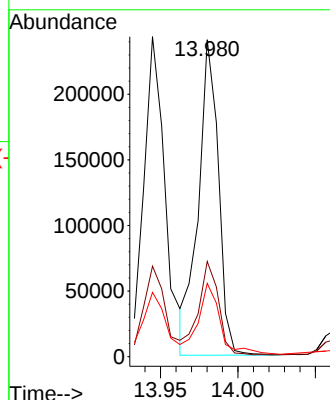
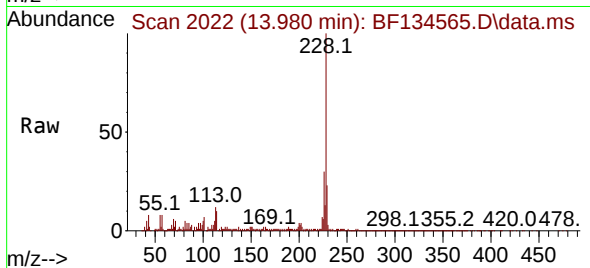
SB-10-(0.5-2.0)DL

Tgt Ion:	228	Resp:	21694
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.5	36.7
229	23.1	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#86

Perylene-d12

Concen: 20.000 ng

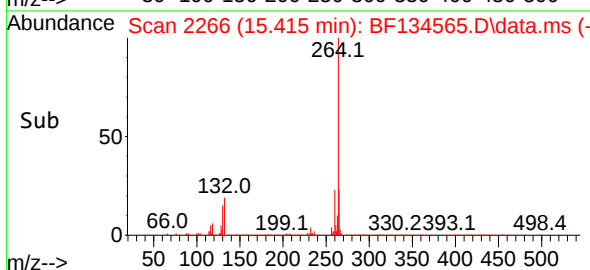
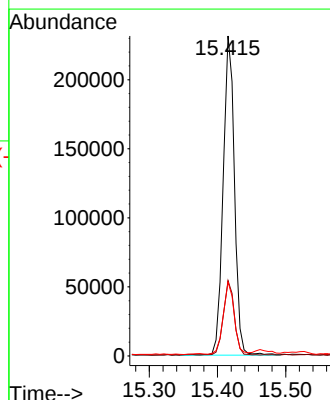
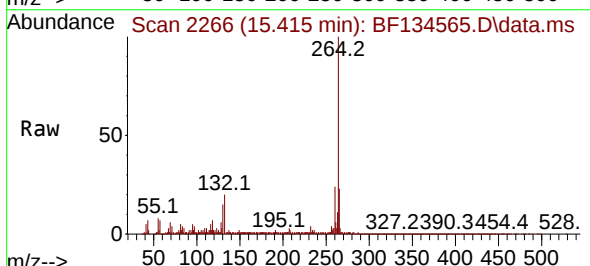
RT: 15.415 min Scan# 2266

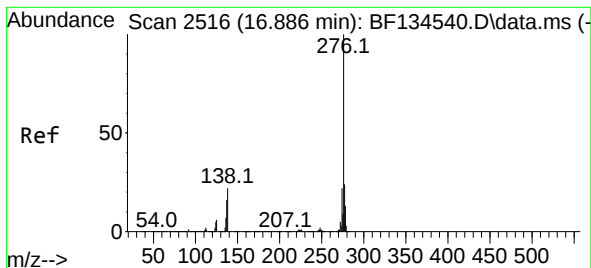
Delta R.T. 0.000 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Tgt Ion:	264	Resp:	267080
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.4	27.6
265	23.1	15.8	23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.846 ng

RT: 16.880 min Scan# 2516

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

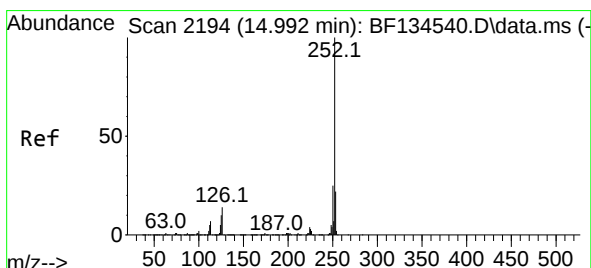
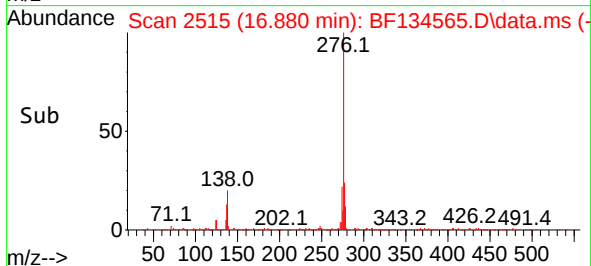
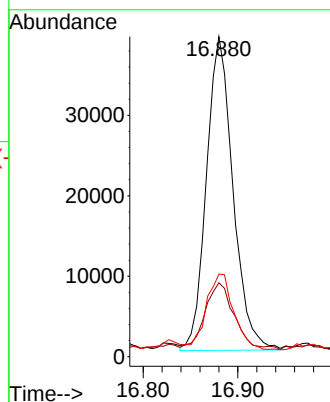
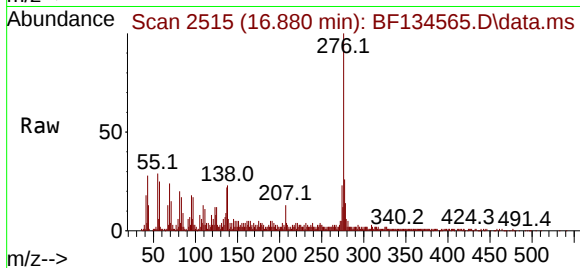
Tgt Ion:	276	Resp:	76120
Ion Ratio	Lower	Upper	
276	100		
138	23.3	14.2	21.4
277	24.9	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#88

Benzo(b)fluoranthene

Concen: 13.767 ng m

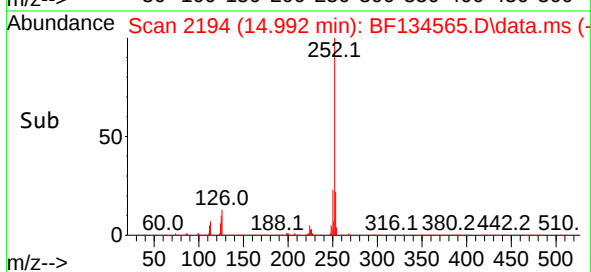
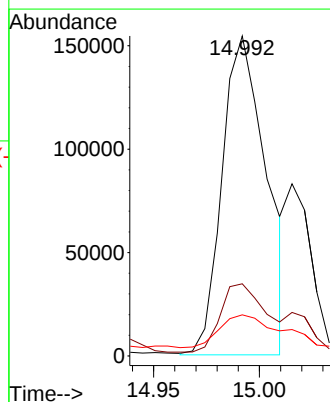
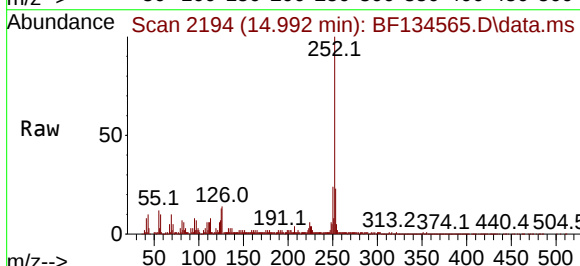
RT: 14.992 min Scan# 2194

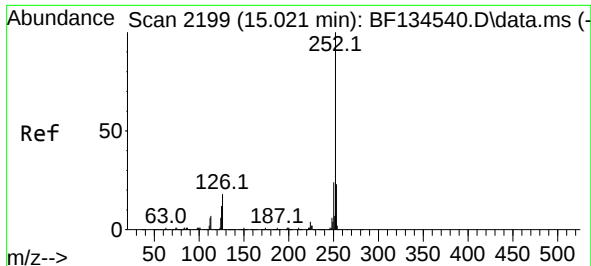
Delta R.T. 0.000 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

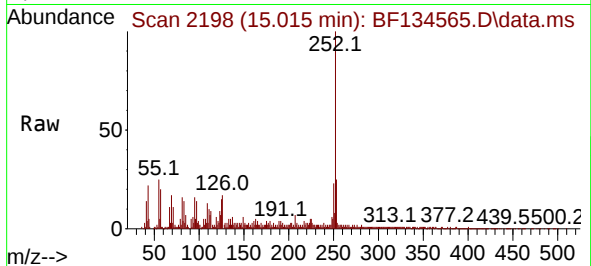
Tgt Ion:	252	Resp:	224244
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	12.8	6.0	9.0





#89
Benzo(k)fluoranthene
Concen: 4.091 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

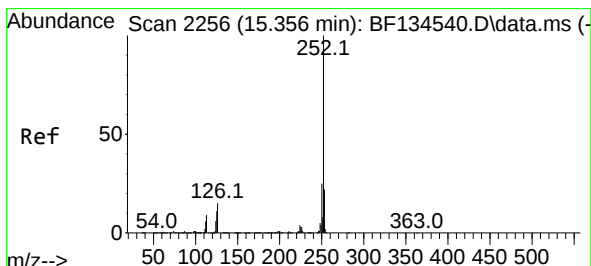
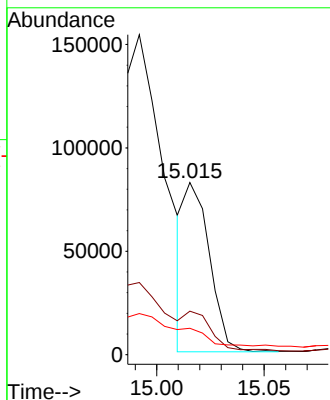
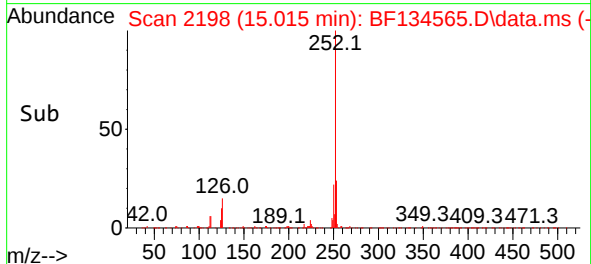
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL



Tgt Ion:252 Resp: 66375
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 15.4 6.3 9.5

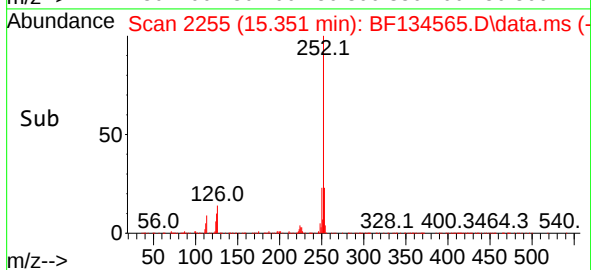
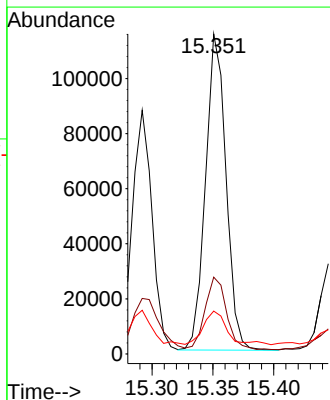
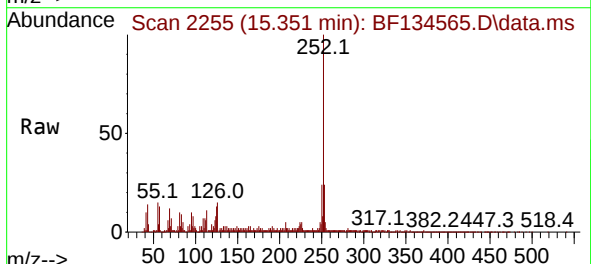
Manual Integrations
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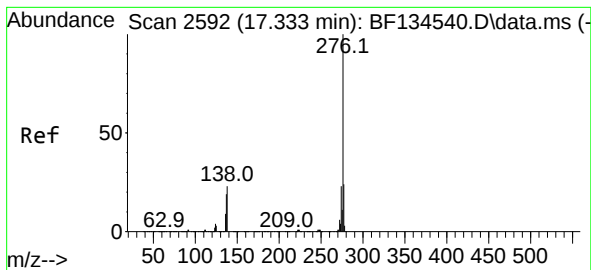
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#90
Benzo(a)pyrene
Concen: 8.851 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

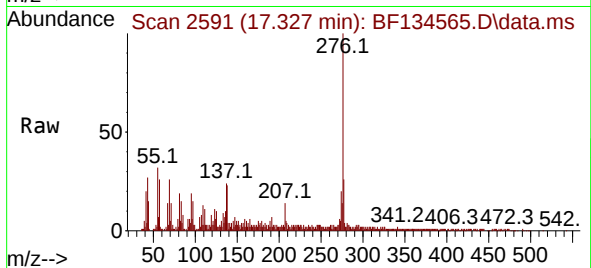
Tgt Ion:252 Resp: 134432
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 13.4 6.2 9.4





#92
Benzo(g,h,i)perylene
Concen: 5.746 ng
RT: 17.327 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL



Tgt Ion:	276	Resp:	7440
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.0	28.6
138	23.2	12.2	18.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

