

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135108.D
 Acq On : 05 Sep 2023 22:59
 Operator : CG\JU
 Sample : 04257-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-2-083123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 06 01:58:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	97755	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	387761	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	188382	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	314716	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	187302	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	186655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	515981	81.530	ng	0.00
7) Phenol-d6	6.410	99	628454	79.668	ng	0.00
23) Nitrobenzene-d5	7.334	82	382634	55.438	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	143900	72.010	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	675875	58.413	ng	-0.01
79) Terphenyl-d14	12.898	244	583235	50.815	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	64394	3.966	ng	97
75) Fluoranthene	12.516	202	132437	8.068	ng	99
78) Pyrene	12.751	202	133752	7.521	ng	98
81) Benzo(a)anthracene	13.945	228	71433	5.591	ng	95
83) Chrysene	13.980	228	58693	4.674	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	43303	3.444	ng	93
88) Benzo(b)fluoranthene	14.998	252	94297m	8.119	ng	
89) Benzo(k)fluoranthene	15.021	252	28677m	2.556	ng	
90) Benzo(a)pyrene	15.363	252	68459	6.345	ng	97
92) Benzo(g,h,i)perylene	17.351	276	42012	3.967	ng	96

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

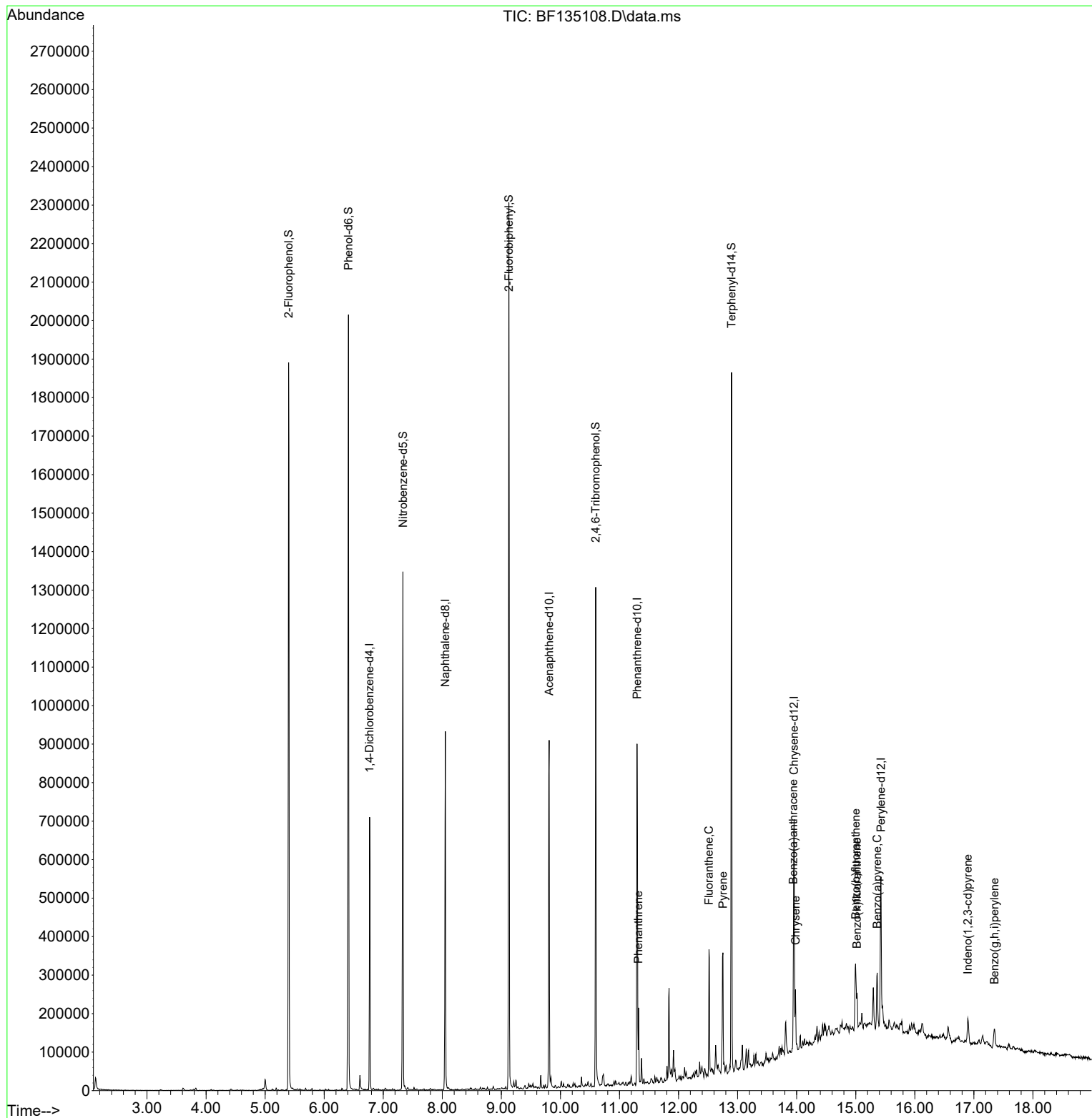
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135108.D
Acq On : 05 Sep 2023 22:59
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ALS Vial : 19 Sample Multiplier: 1

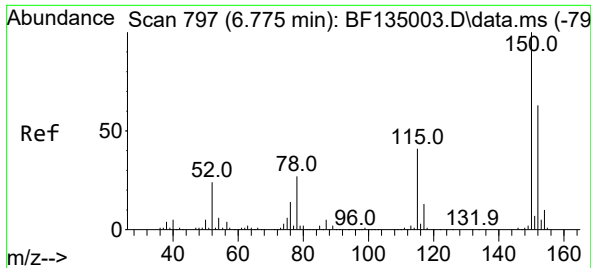
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

Quant Time: Sep 06 01:58:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

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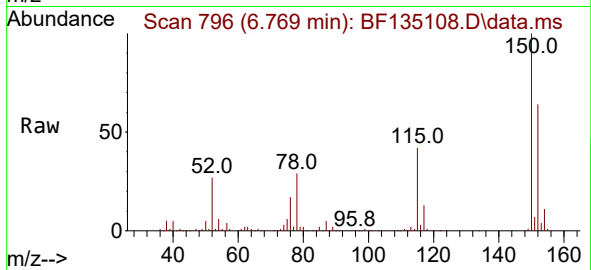
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

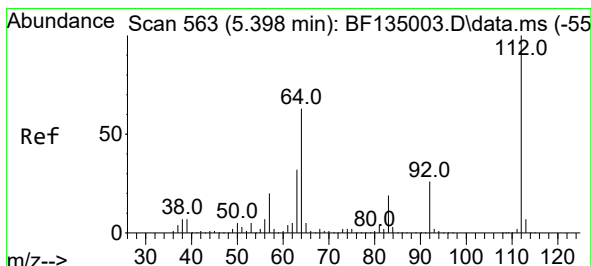
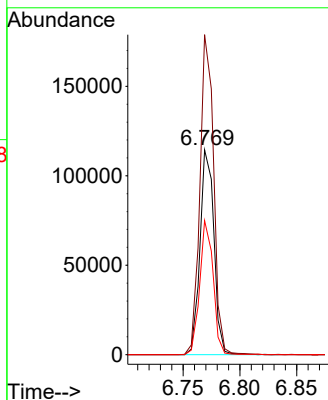
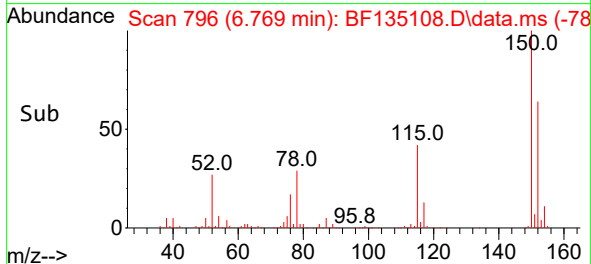
Instrument :
BNA_F
ClientSampleId :
CL-2-083123



Tgt Ion:152 Resp: 9775
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.4
115 65.5 51.2 76.8

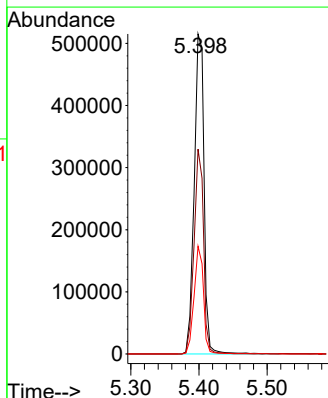
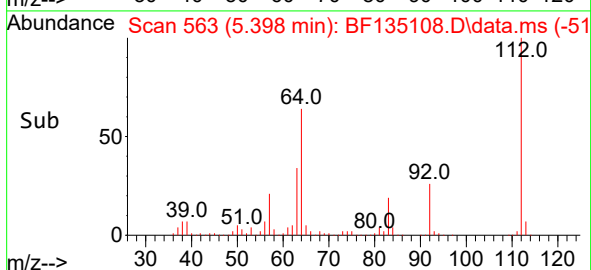
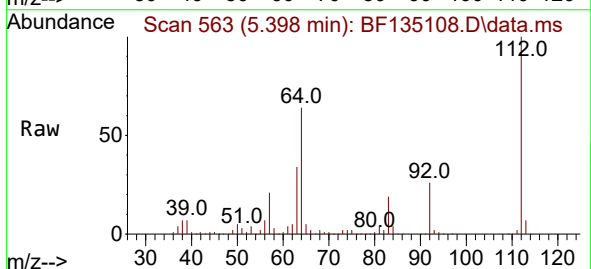
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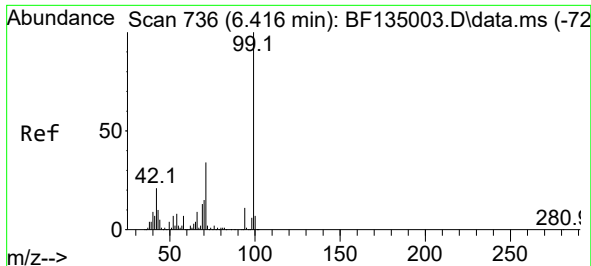
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#5
2-Fluorophenol
Concen: 81.530 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

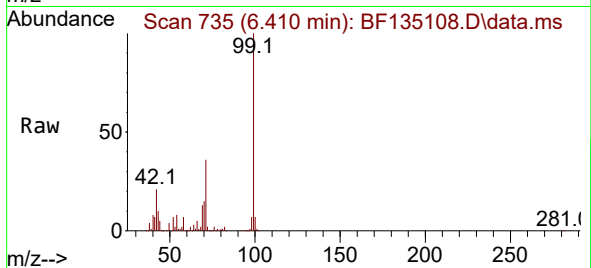
Tgt Ion:112 Resp: 515981
Ion Ratio Lower Upper
112 100
64 64.0 50.5 75.7
63 33.7 25.9 38.9





#7
Phenol-d6
Concen: 79.668 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

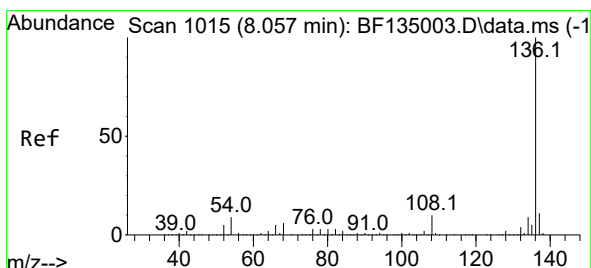
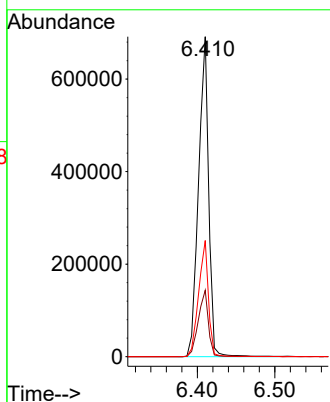
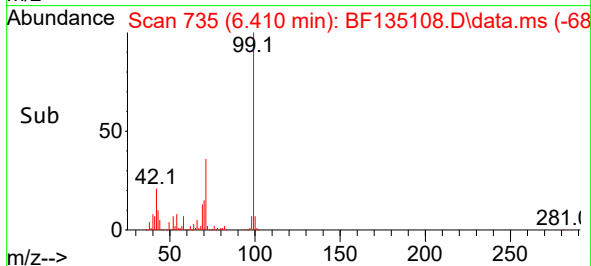
Instrument :
BNA_F
ClientSampleId :
CL-2-083123



Tgt Ion: 99 Resp: 628454
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 36.3 27.0 40.6

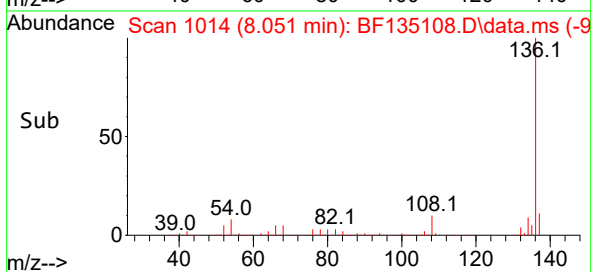
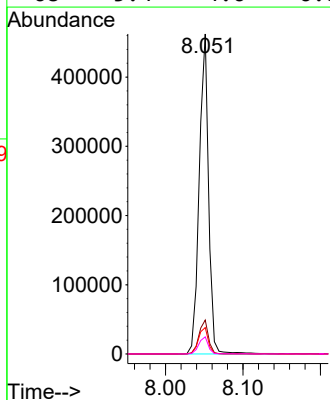
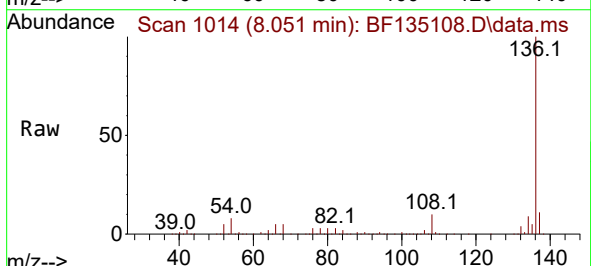
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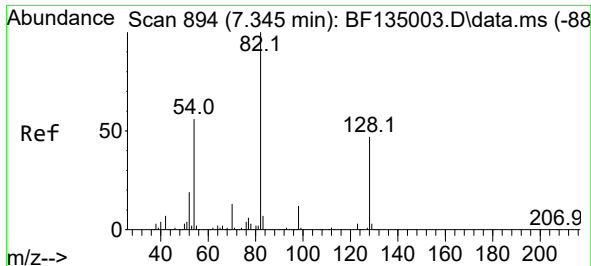
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:136 Resp: 387761
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.2 7.0 10.4
68 5.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 55.438 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135108.D

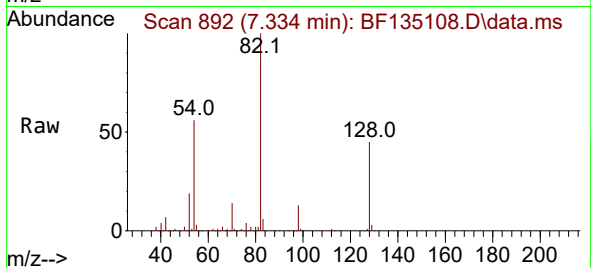
Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

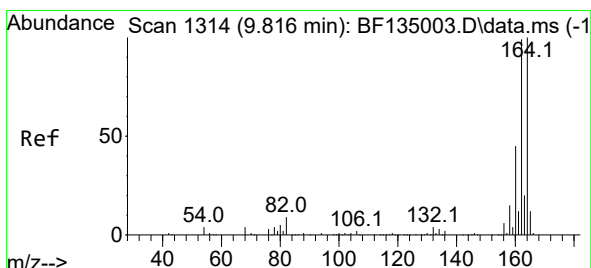
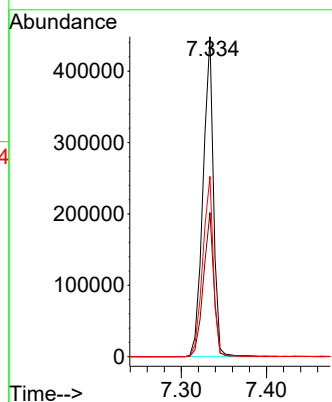
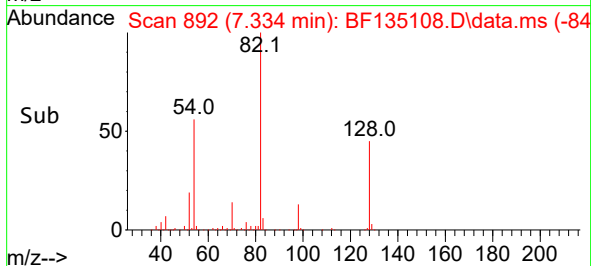
CL-2-083123



Tgt Ion:	82	Resp:	382634
Ion Ratio	Lower	Upper	
82	100		
128	45.1	37.8	56.8
54	56.4	45.0	67.6

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Supervised By :mohammad ahmed 09/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

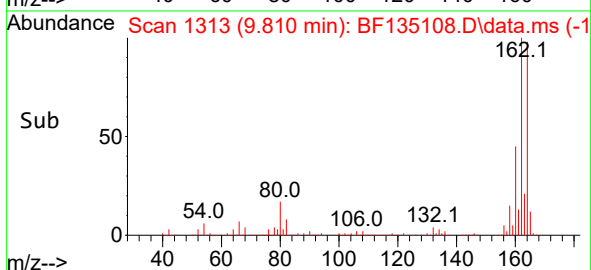
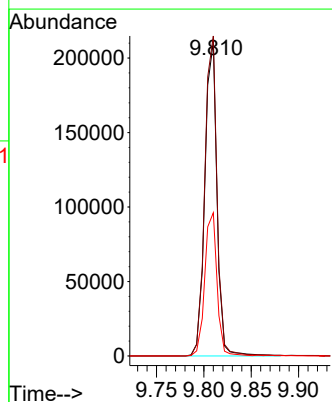
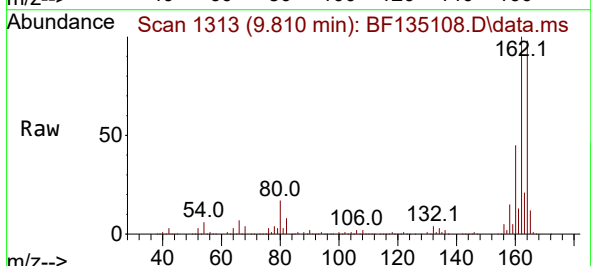
RT: 9.810 min Scan# 1313

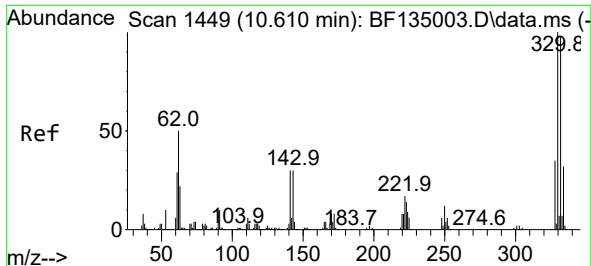
Delta R.T. -0.006 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

Tgt Ion:	164	Resp:	188382
Ion Ratio	Lower	Upper	
164	100		
162	102.0	79.5	119.3
160	45.6	36.0	54.0





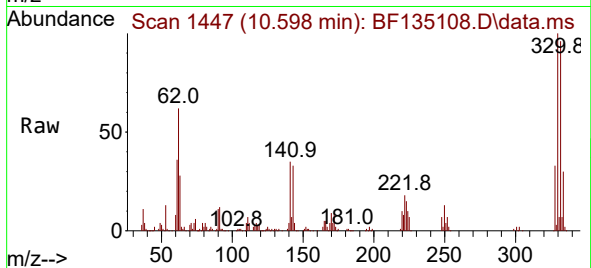
#42
2,4,6-Tribromophenol
Concen: 72.010 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

CL-2-083123

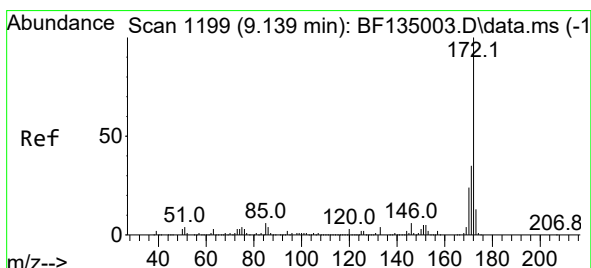
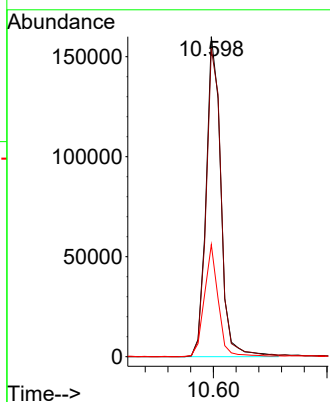
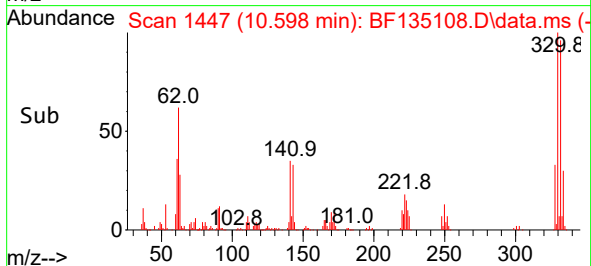


Tgt Ion:330 Resp: 143900
Ion Ratio Lower Upper
330 100
332 99.1 77.6 116.4
141 33.2 26.3 39.5

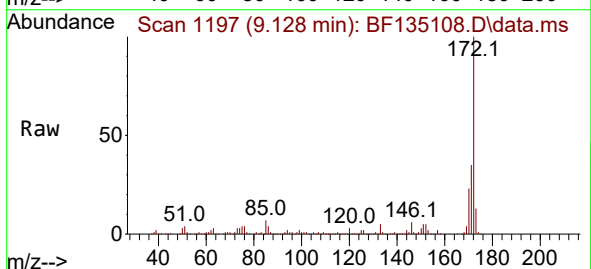
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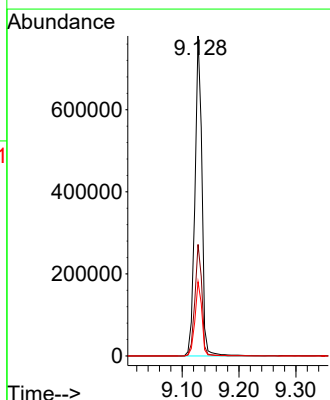
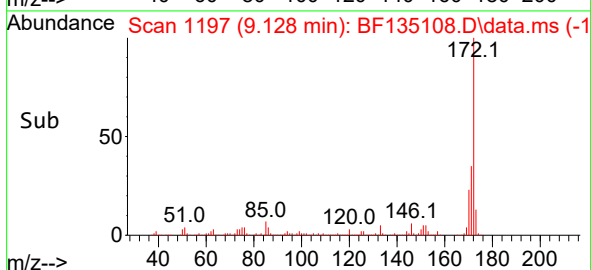
Reviewed By :Yogesh Patel 09/06/2023
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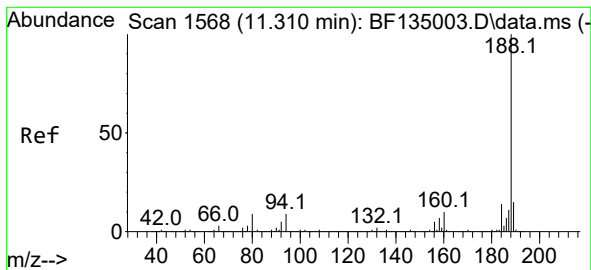


#45
2-Fluorobiphenyl
Concen: 58.413 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59



Tgt Ion:172 Resp: 675875
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.2 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

CL-2-083123

Tgt Ion:188 Resp: 314710

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

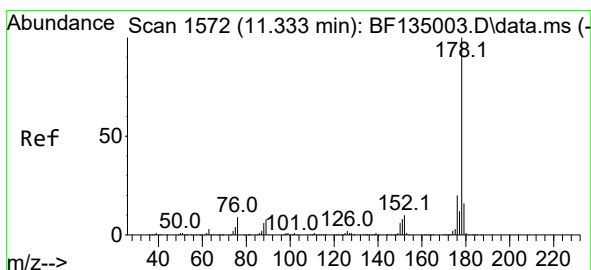
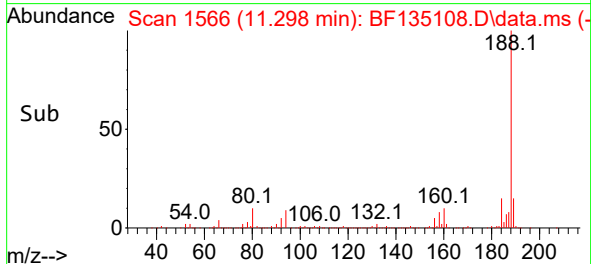
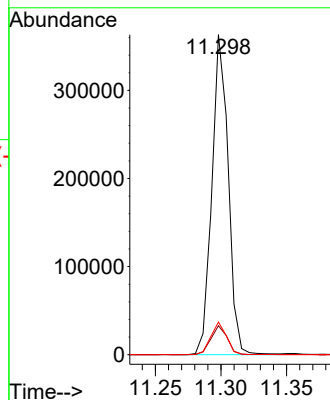
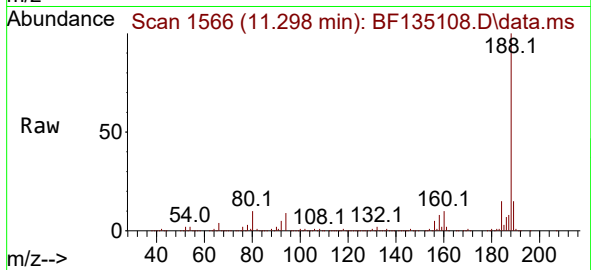
80 10.2 7.4 11.2

Manual Integrations

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Supervised By :mohammad ahmed 09/07/2023



#71

Phenanthrene

Concen: 3.966 ng

RT: 11.322 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

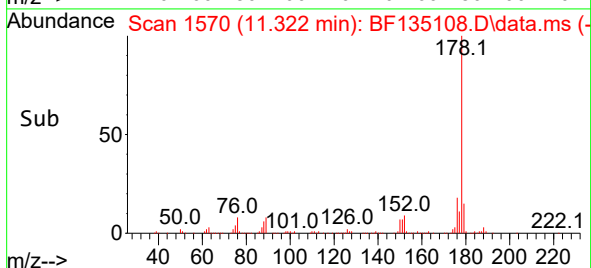
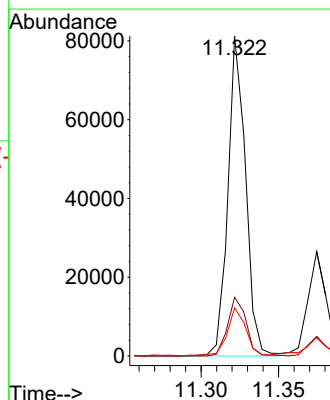
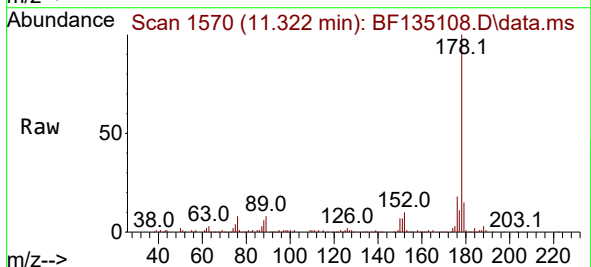
Tgt Ion:178 Resp: 64394

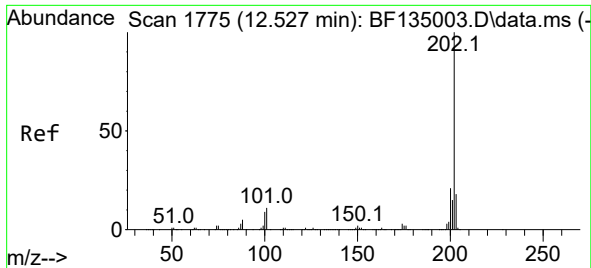
Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

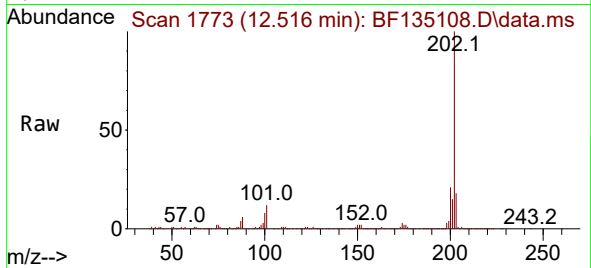
179 15.0 12.5 18.7





#75
Fluoranthene
Concen: 8.068 ng
RT: 12.516 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

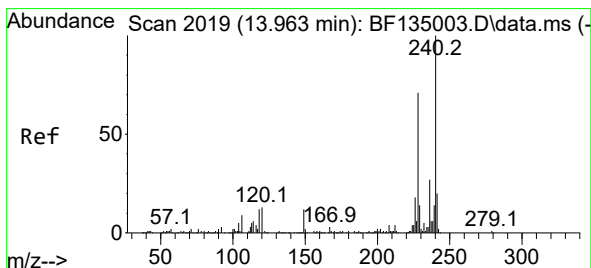
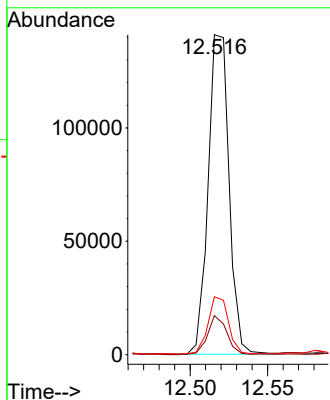
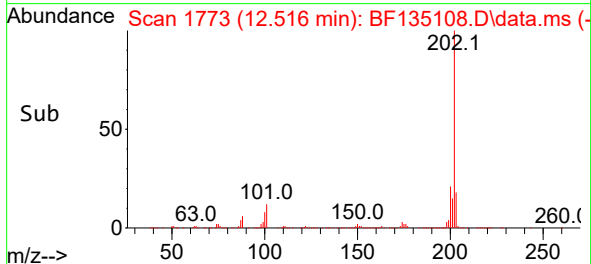
Instrument :
BNA_F
ClientSampleId :
CL-2-083123



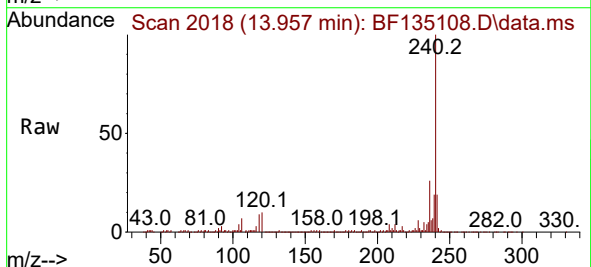
Tgt Ion:202 Resp: 132437
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.5
203 18.1 0.0 37.8

Manual Integrations
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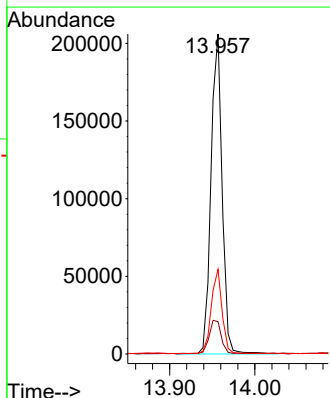
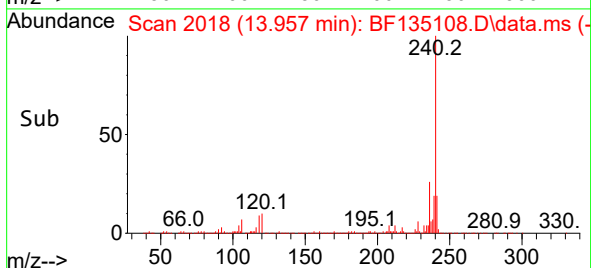
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

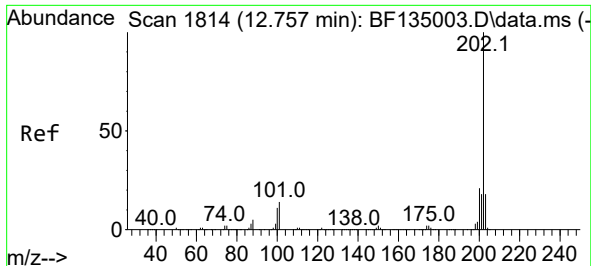


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59



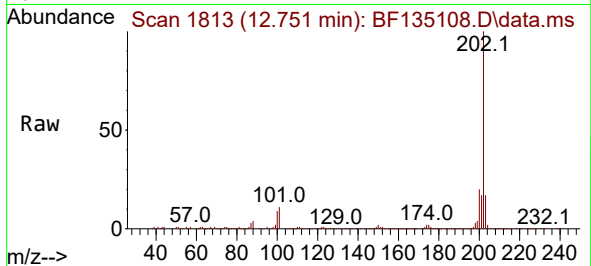
Tgt Ion:240 Resp: 187302
Ion Ratio Lower Upper
240 100
120 10.1 10.2 15.2#
236 26.4 21.3 31.9





#78
Pyrene
Concen: 7.521 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

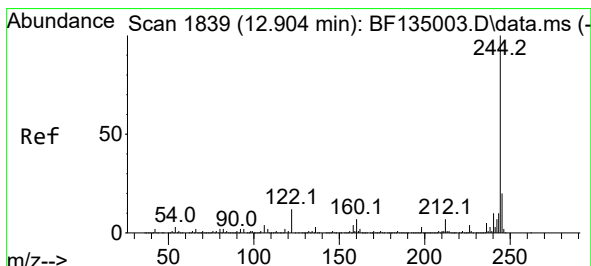
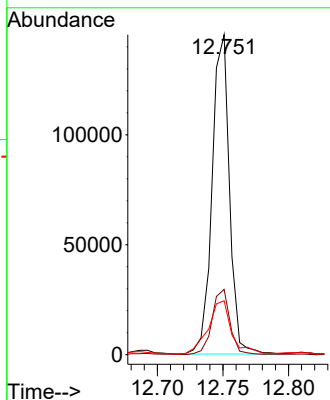
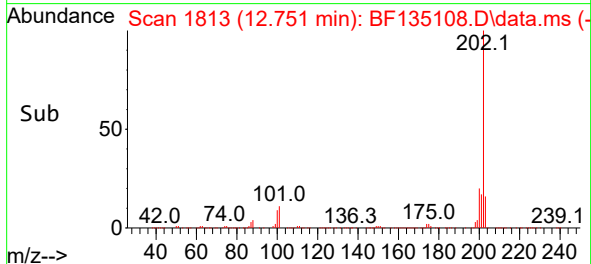
Instrument :
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CL-2-083123



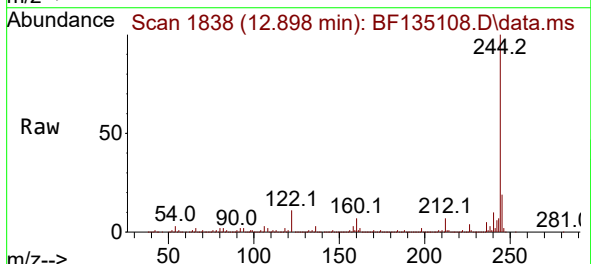
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Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 16.9 14.2 21.2

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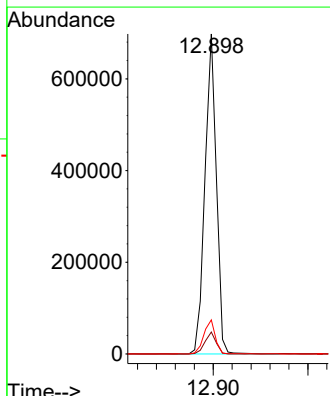
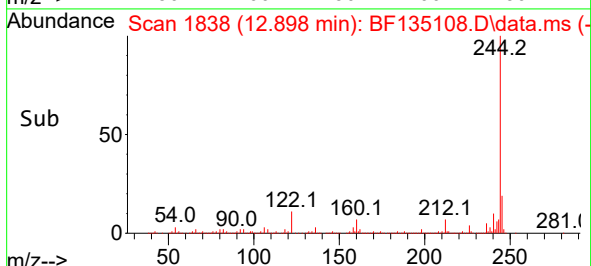
Reviewed By :Yogesh Patel 09/06/2023
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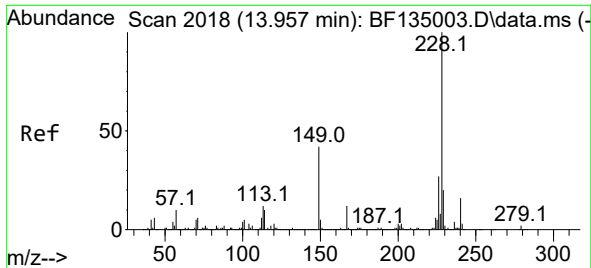


#79
Terphenyl-d14
Concen: 50.815 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59



Tgt Ion:244 Resp: 583235
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.6 9.8 14.6





#81
Benzo(a)anthracene
Concen: 5.591 ng
RT: 13.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

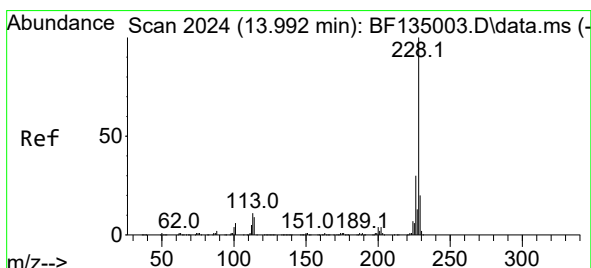
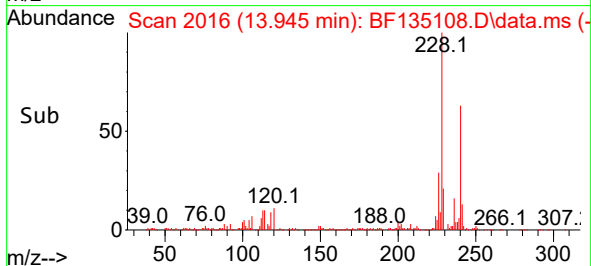
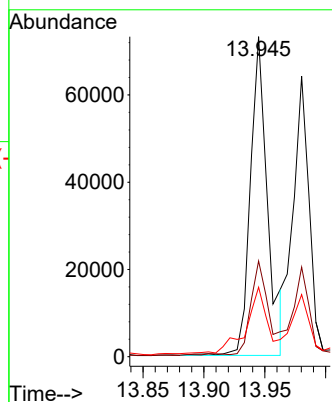
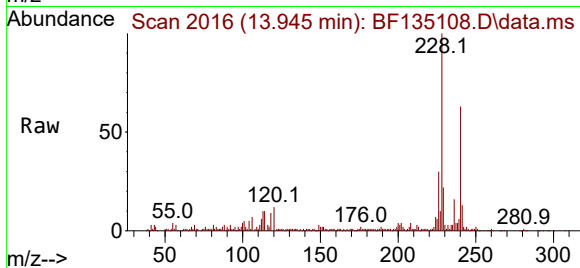
CL-2-083123

Tgt Ion:228 Resp: 7143
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 21.7 15.6 23.4

Manual Integrations

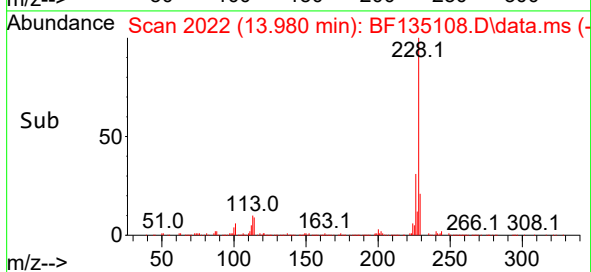
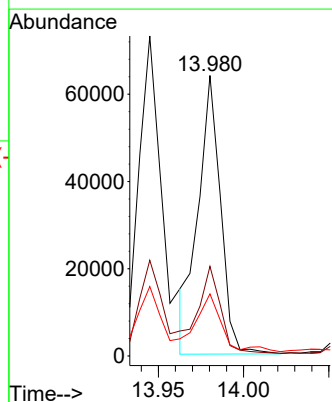
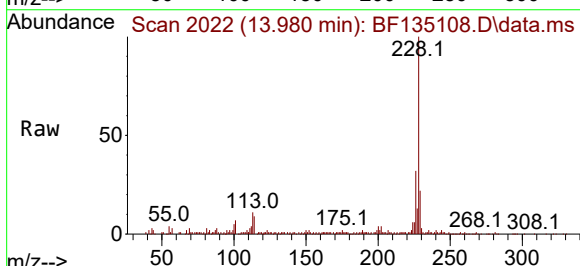
APPROVED

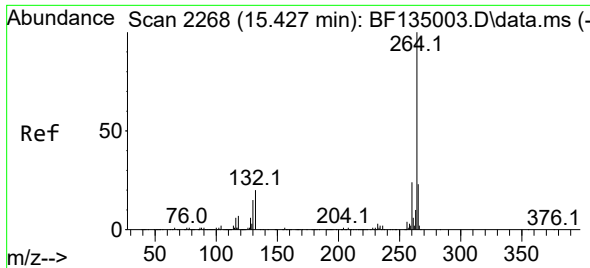
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#83
Chrysene
Concen: 4.674 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:228 Resp: 58693
Ion Ratio Lower Upper
228 100
226 31.9 24.2 36.4
229 22.2 15.9 23.9





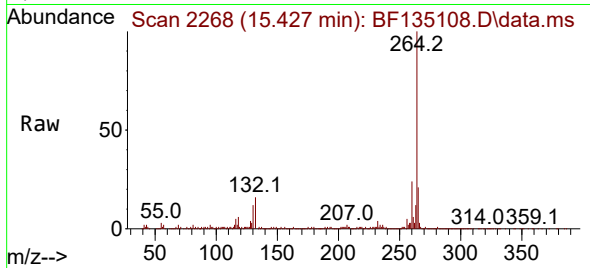
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

CL-2-083123

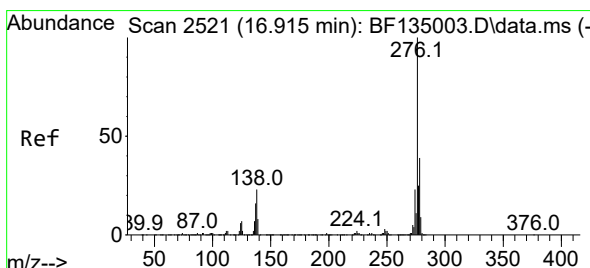
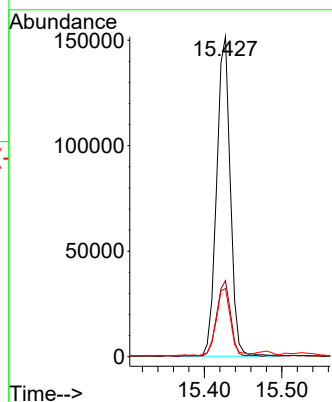
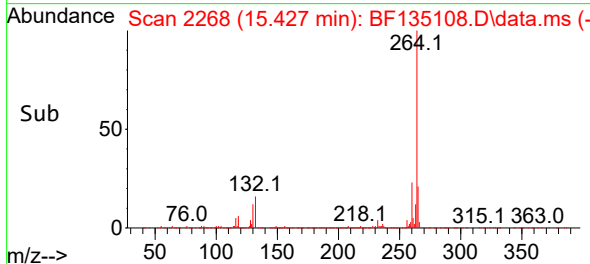


Tgt Ion:264 Resp: 186658
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 21.3 18.2 27.2

Manual Integrations

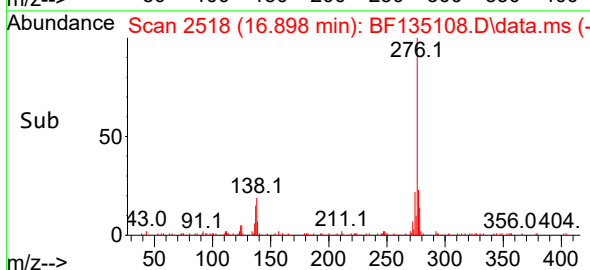
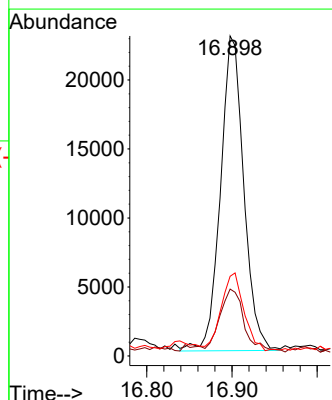
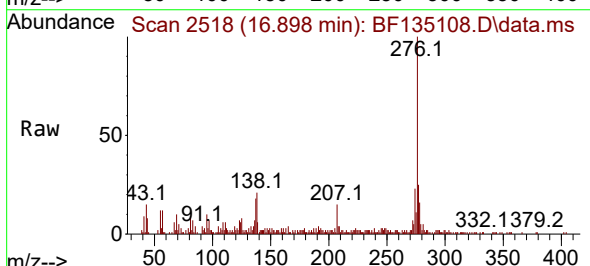
APPROVED

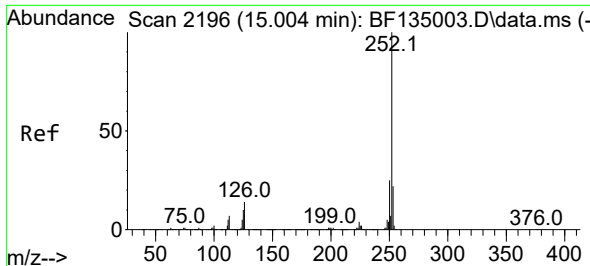
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.444 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.018 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:276 Resp: 43303
Ion Ratio Lower Upper
276 100
138 20.8 20.2 30.2
277 23.1 20.4 30.6





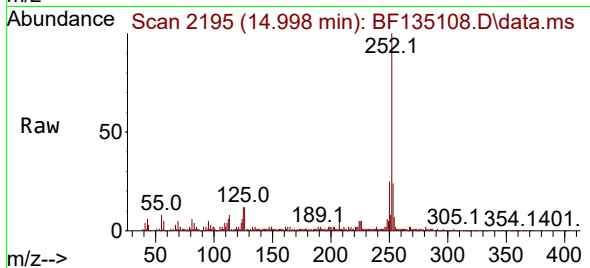
#88
Benzo(b)fluoranthene
Concen: 8.119 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

CL-2-083123

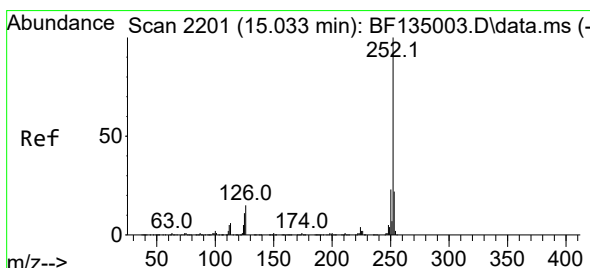
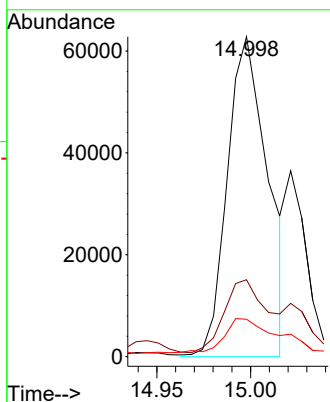
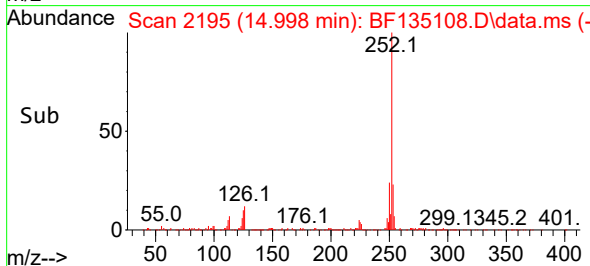


Tgt Ion:252 Resp: 94297
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 11.7 8.4 12.6

Manual Integrations

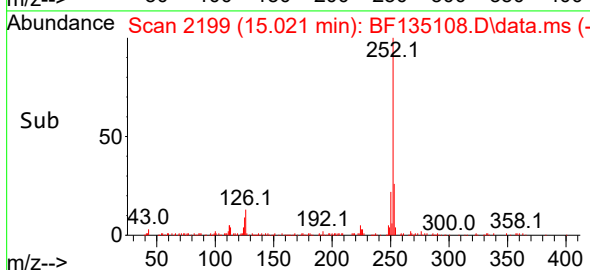
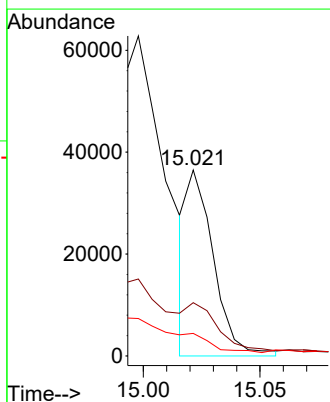
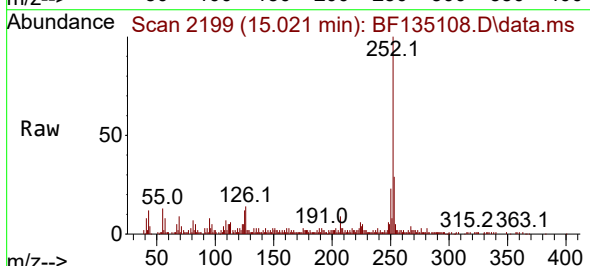
APPROVED

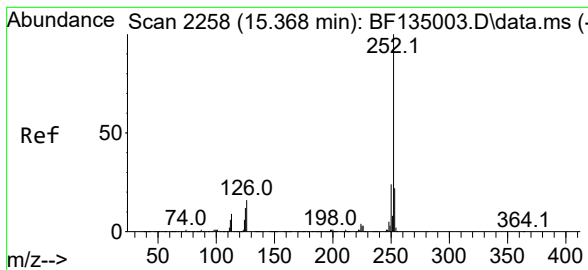
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#89
Benzo(k)fluoranthene
Concen: 2.556 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

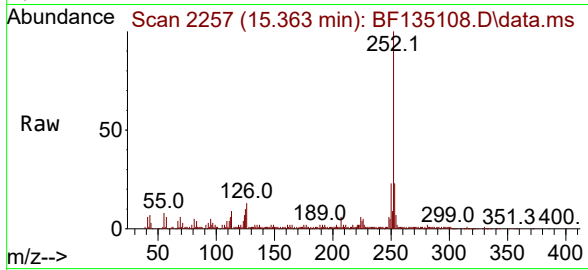
Tgt Ion:252 Resp: 28677
Ion Ratio Lower Upper
252 100
253 28.7 17.4 26.0#
125 12.2 8.5 12.7





#90
Benzo(a)pyrene
Concen: 6.345 ng
RT: 15.363 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

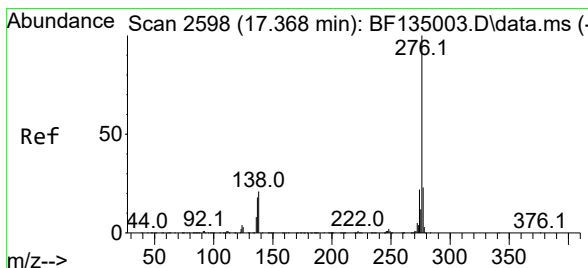
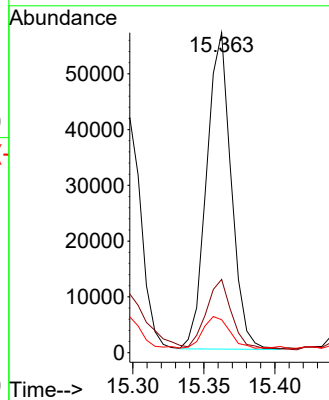
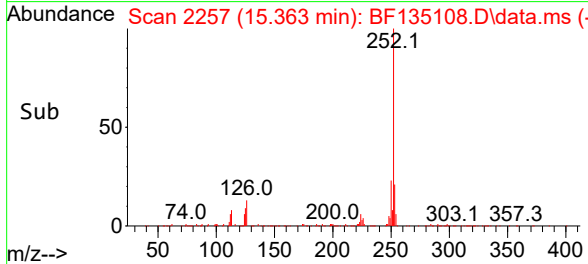
Instrument :
BNA_F
ClientSampleId :
CL-2-083123



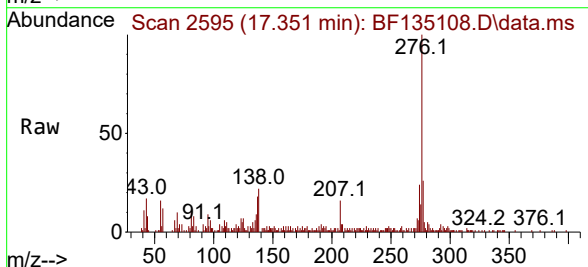
Tgt Ion:252 Resp: 68459
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.3 9.5 14.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#92
Benzo(g,h,i)perylene
Concen: 3.967 ng
RT: 17.351 min Scan# 2595
Delta R.T. -0.018 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59



Tgt Ion:276 Resp: 42012
Ion Ratio Lower Upper
276 100
277 25.6 18.5 27.7
138 22.4 17.1 25.7

