

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135899.D
 Acq On : 19 Oct 2023 21:53
 Operator : CG\JU
 Sample : 04817-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 20 02:05:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	59947	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	208370	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	90295	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	151292	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	125519	20.000	ng	-0.02
86) Perylene-d12	15.409	264	63125	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	79428	21.302	ng	0.00
7) Phenol-d6	6.398	99	102850	22.107	ng	0.00
23) Nitrobenzene-d5	7.304	82	60093	15.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	18232	21.042	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	102592	17.764	ng	-0.01
79) Terphenyl-d14	12.863	244	95773	14.130	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.804	154	45719	9.246	ng	98
55) Dibenzofuran	9.980	168	73984	9.917	ng	96
58) Fluorene	10.322	166	92760	15.882	ng	99
71) Phenanthrene	11.292	178	396278	54.677	ng	99
72) Anthracene	11.345	178	49899	6.644	ng	98
73) Carbazole	11.516	167	22876	3.266	ng	98
75) Fluoranthene	12.492	202	322950	40.148	ng	99
78) Pyrene	12.721	202	216182	21.674	ng	100
81) Benzo(a)anthracene	13.927	228	47996	5.822	ng	97
83) Chrysene	13.962	228	40938	5.127	ng	98
88) Benzo(b)fluoranthene	14.986	252	20334m	5.756	ng	
90) Benzo(a)pyrene	15.357	252	9279	2.793	ng	95

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

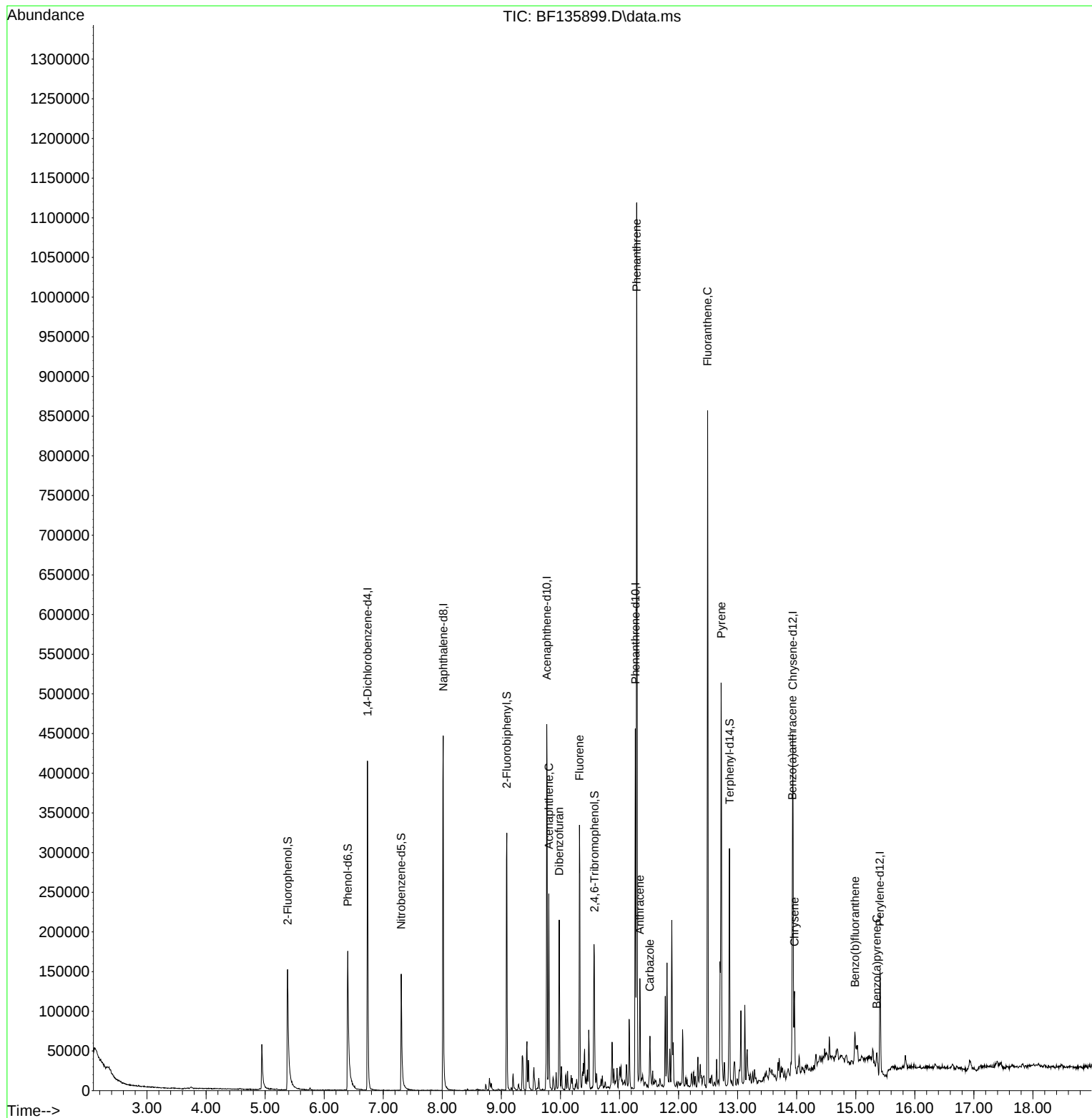
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
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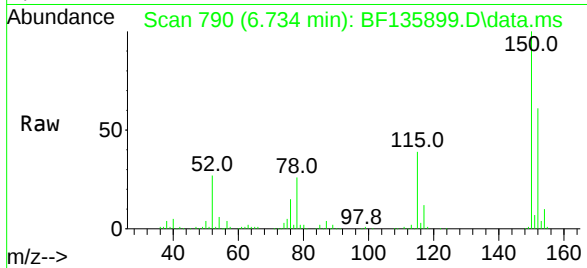
Quant Time: Oct 20 02:05:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

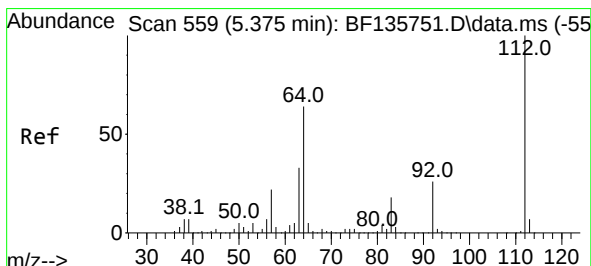
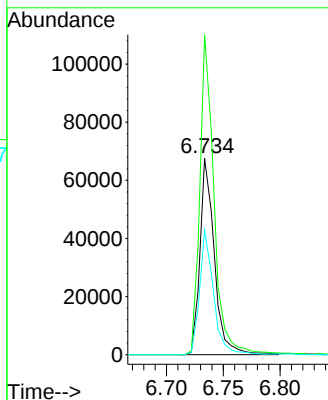
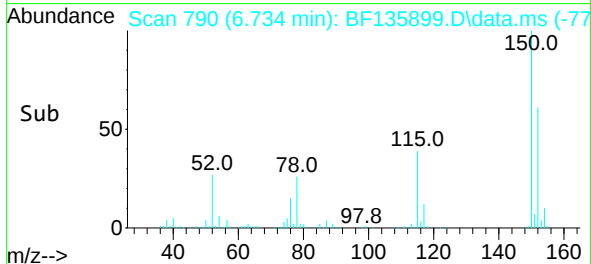
Instrument :
BNA_F
ClientSampleId :
72-11930DL



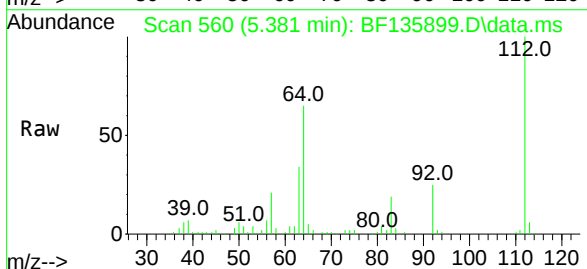
Tgt Ion:152 Resp: 5994
Ion Ratio Lower Upper
152 100
150 163.0 124.5 186.7
115 63.2 49.0 73.4

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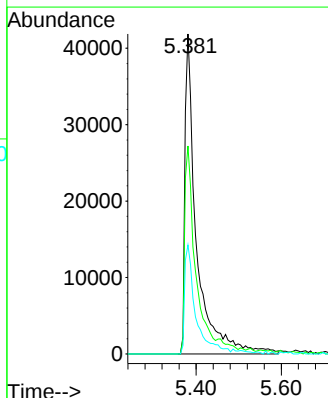
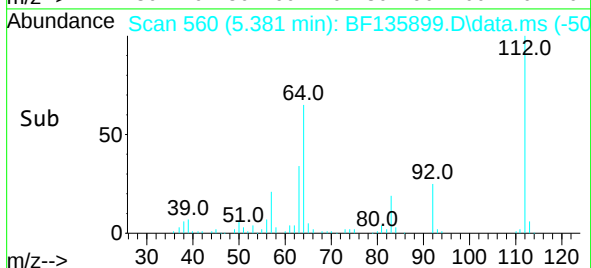
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

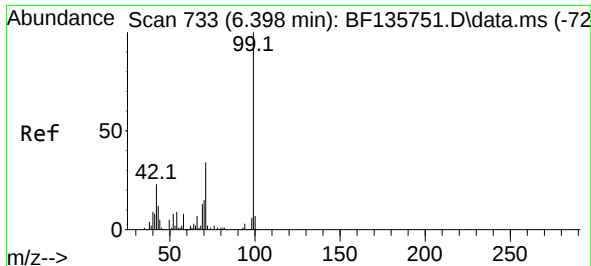


#5
2-Fluorophenol
Concen: 21.302 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53



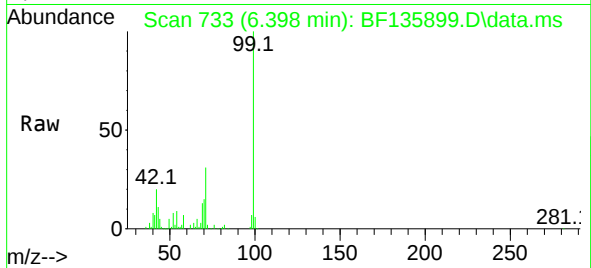
Tgt Ion:112 Resp: 79428
Ion Ratio Lower Upper
112 100
64 65.0 51.2 76.8
63 34.1 26.1 39.1





#7
Phenol-d6
Concen: 22.107 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

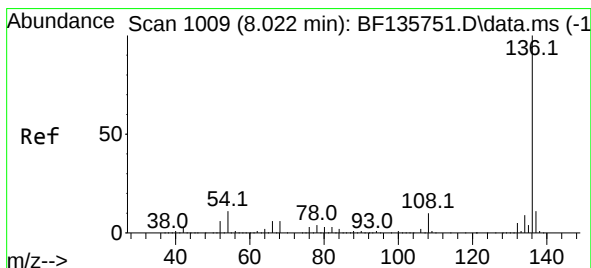
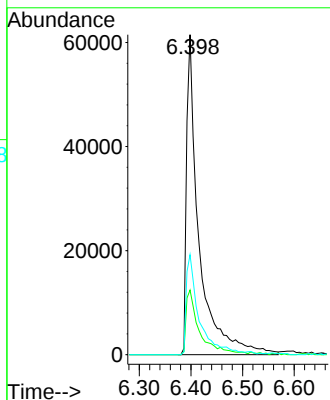
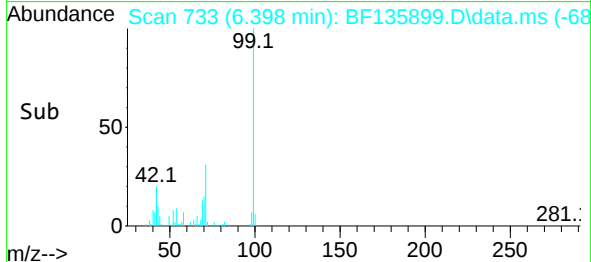
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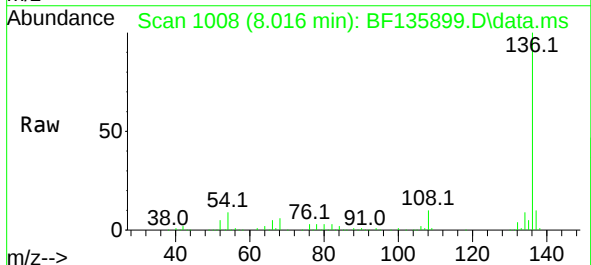
Tgt Ion: 99 Resp: 102850
Ion Ratio Lower Upper
99 100
42 20.2 18.4 27.6
71 31.3 27.2 40.8

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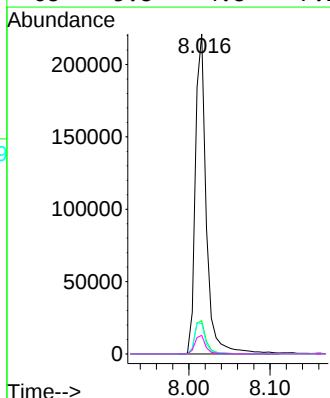
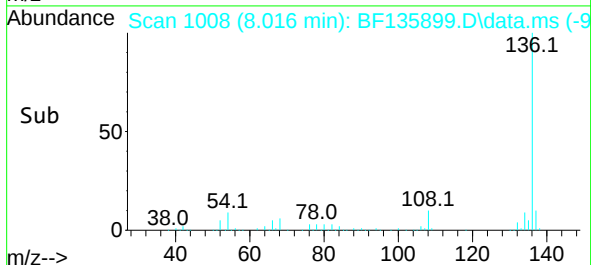
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

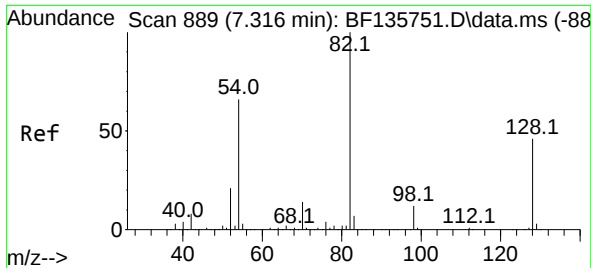


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53



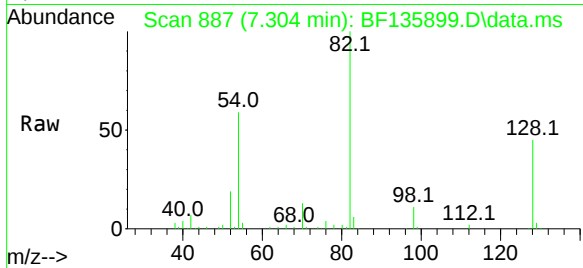
Tgt Ion:136 Resp: 208370
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 9.4 8.5 12.7
68 5.8 4.8 7.2





#23
Nitrobenzene-d5
Concen: 15.862 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

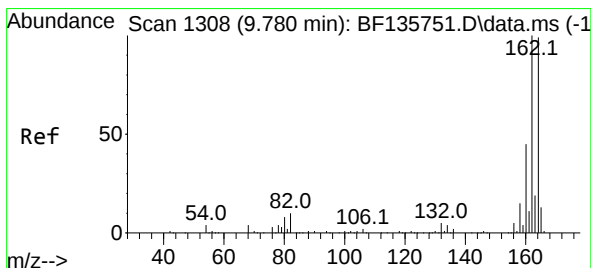
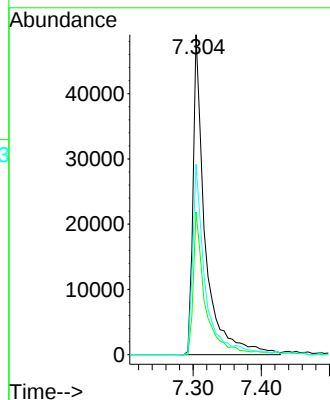
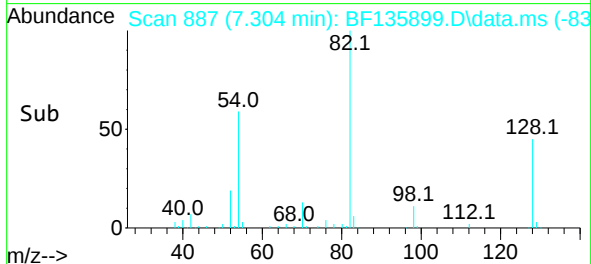
Instrument :
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ClientSampleId :
72-11930DL



Tgt Ion: 82 Resp: 6009
Ion Ratio Lower Upper
82 100
128 44.6 37.0 55.6
54 59.5 52.8 79.2

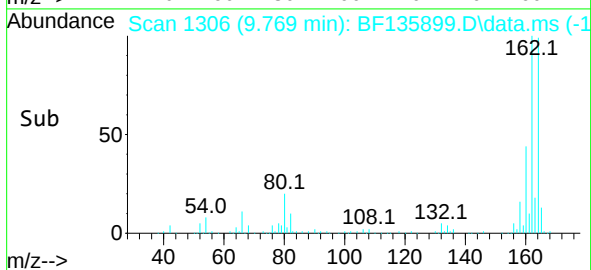
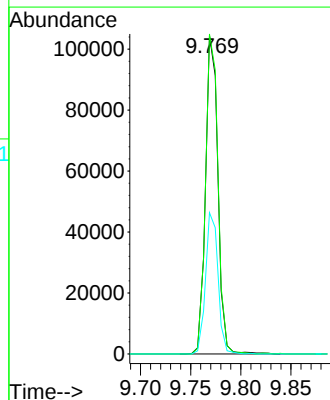
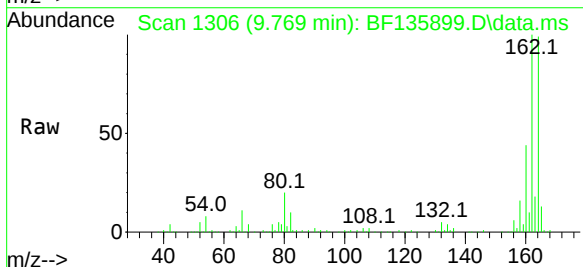
Manual Integrations
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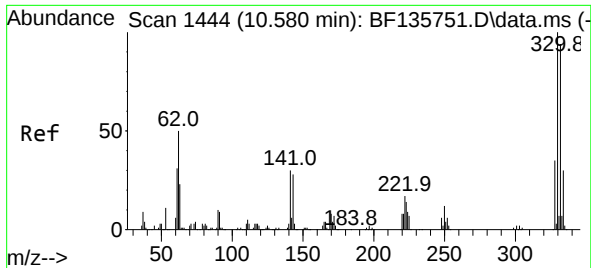
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

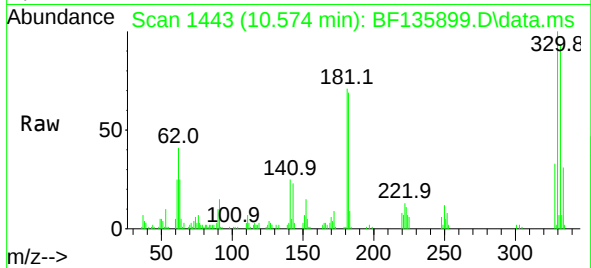
Tgt Ion:164 Resp: 90295
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 44.4 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 21.042 ng
RT: 10.574 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

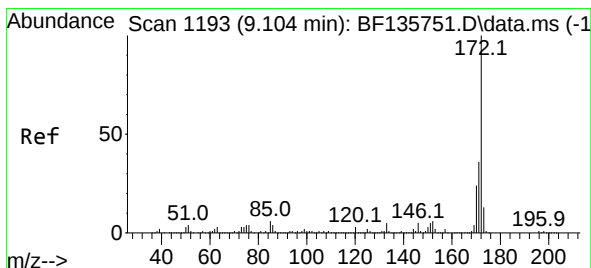
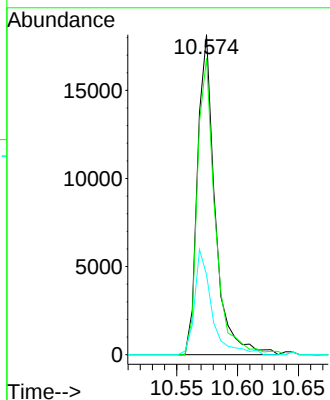
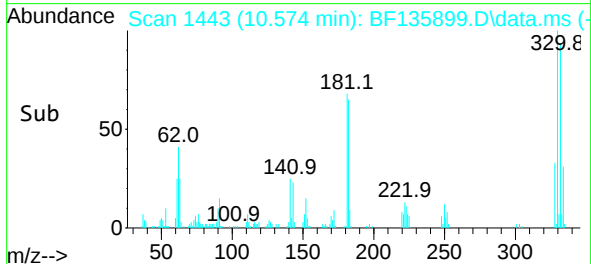
Instrument :
BNA_F
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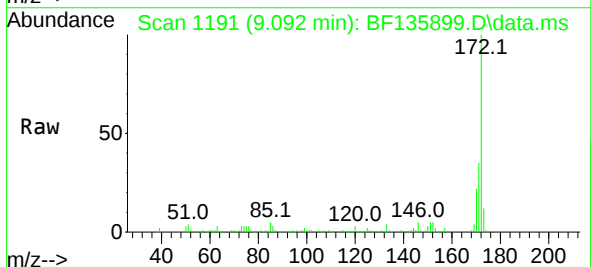
Tgt Ion: 330 Resp: 1823
Ion Ratio Lower Upper
330 100
332 94.2 75.0 112.4
141 32.2 25.8 38.6

Manual Integrations
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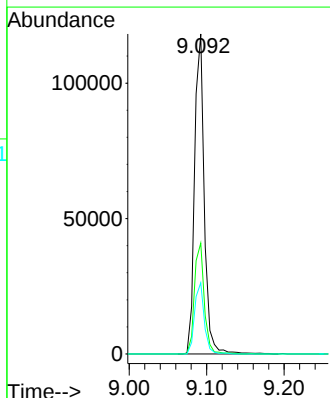
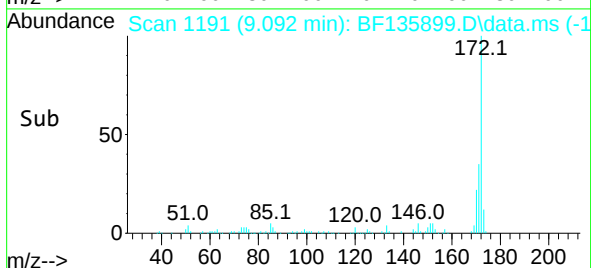
Reviewed By : Yogesh Patel 10/20/2023
Supervised By : mohammad ahmed 10/20/2023

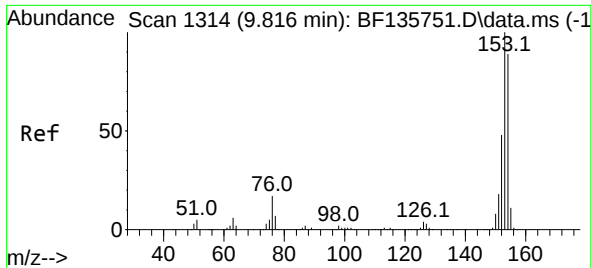


#45
2-Fluorobiphenyl
Concen: 17.764 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53



Tgt Ion: 172 Resp: 102592
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 22.3 18.8 28.2





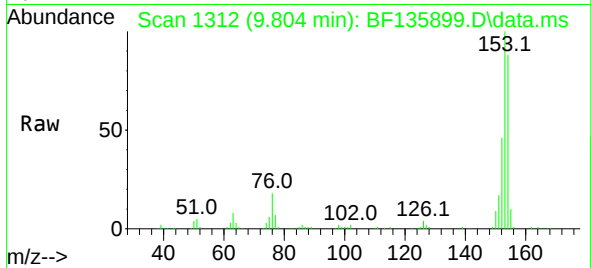
#52
Acenaphthene
Concen: 9.246 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL



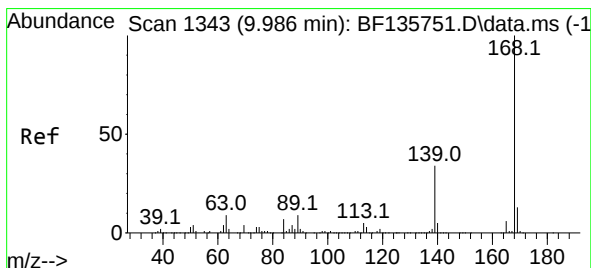
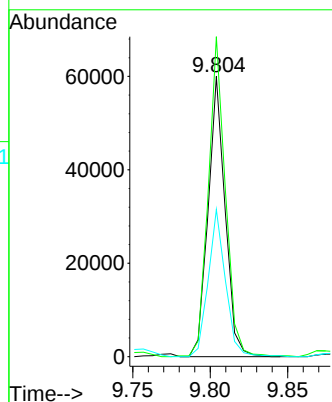
Tgt Ion:154 Resp: 45719
Ion Ratio Lower Upper
154 100
153 114.2 90.1 135.1
152 52.5 43.1 64.7

Manual Integrations

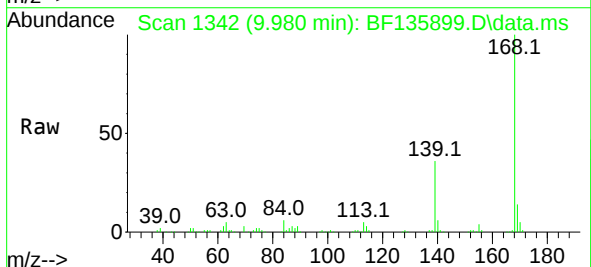
APPROVED

Reviewed By :Yogesh Patel 10/20/2023

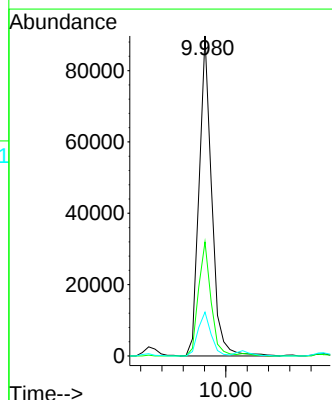
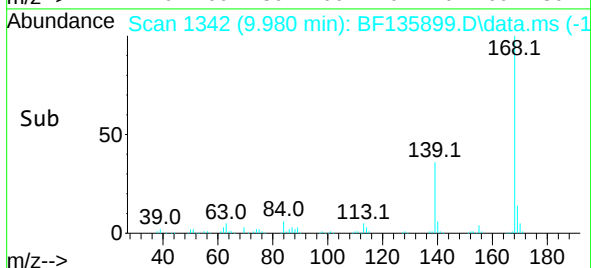
Supervised By :mohammad ahmed 10/20/2023

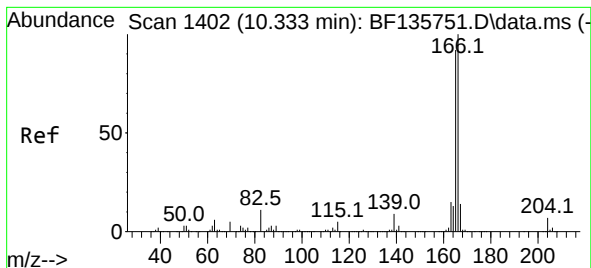


#55
Dibenzofuran
Concen: 9.917 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53



Tgt Ion:168 Resp: 73984
Ion Ratio Lower Upper
168 100
139 35.6 31.0 46.4
169 13.7 10.7 16.1





#58

Fluorene

Concen: 15.882 ng

RT: 10.322 min Scan# 1402

Delta R.T. -0.018 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL

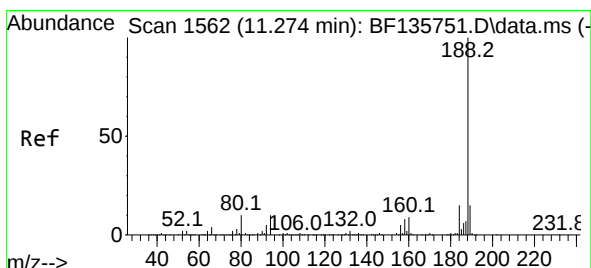
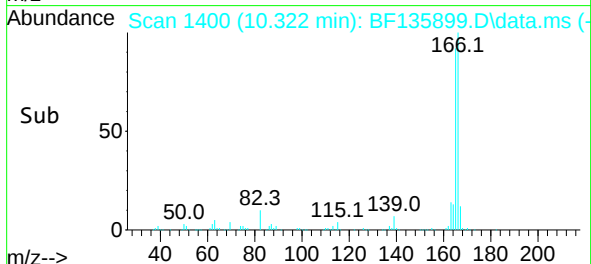
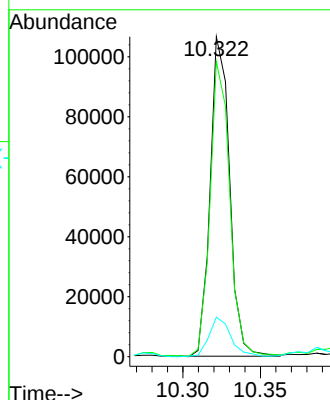
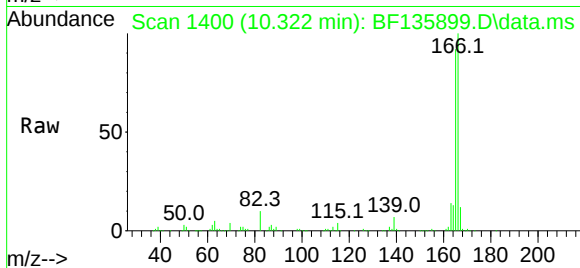
Tgt Ion:166	Resp:	92760
Ion Ratio	Lower	Upper
166	100	
165	92.2	73.4 110.0
167	12.4	11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

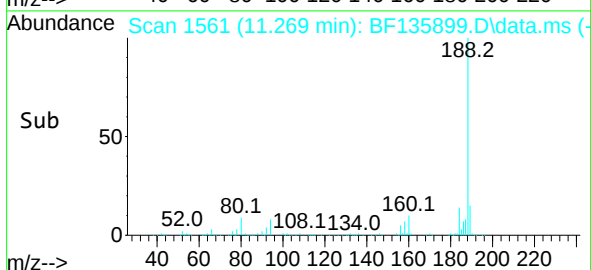
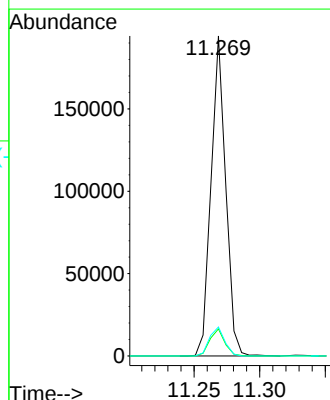
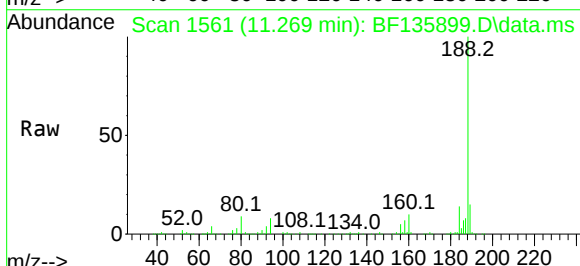
RT: 11.269 min Scan# 1561

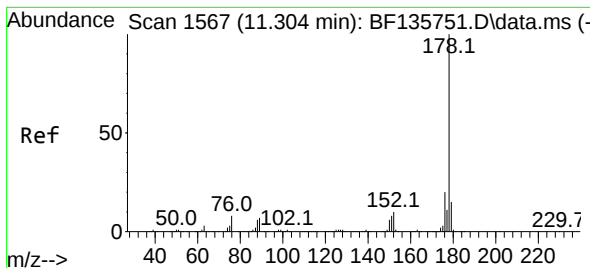
Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

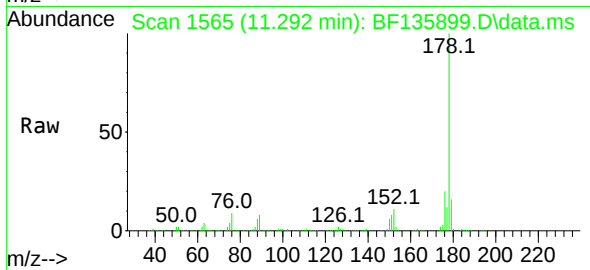
Tgt Ion:188	Resp:	151292
Ion Ratio	Lower	Upper
188	100	
94	8.4	8.0 12.0
80	9.0	8.3 12.5





#71
Phenanthrene
Concen: 54.677 ng
RT: 11.292 min Scan# 11292
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

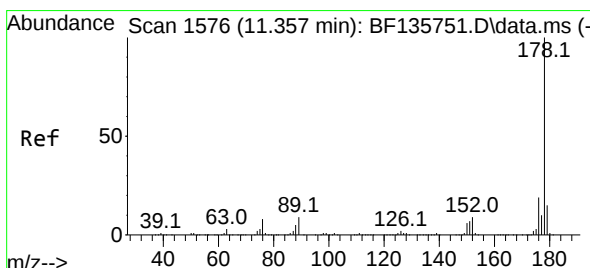
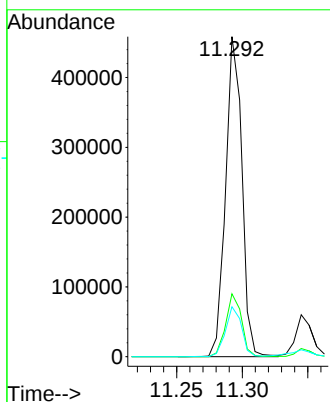
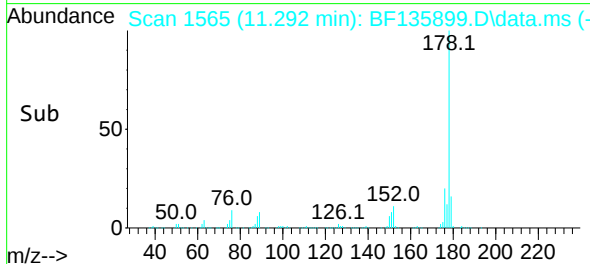
Instrument :
BNA_F
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Tgt Ion:178 Resp: 396278
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.6 12.2 18.4

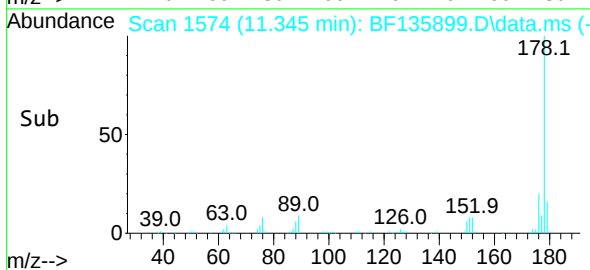
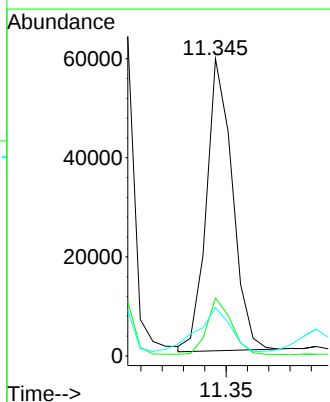
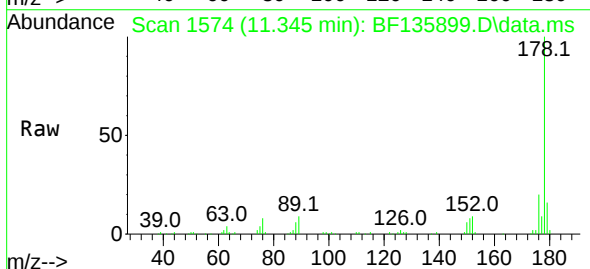
Manual Integrations
APPROVED

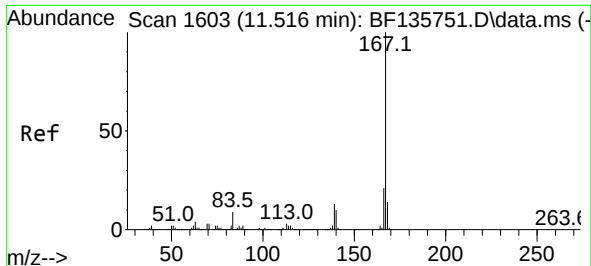
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#72
Anthracene
Concen: 6.644 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

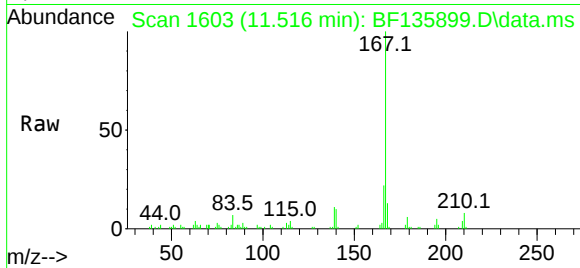
Tgt Ion:178 Resp: 49899
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.3 12.3 18.5





#73
 Carbazole
 Concen: 3.266 ng
 RT: 11.516 min Scan# 1169
 Delta R.T. -0.006 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

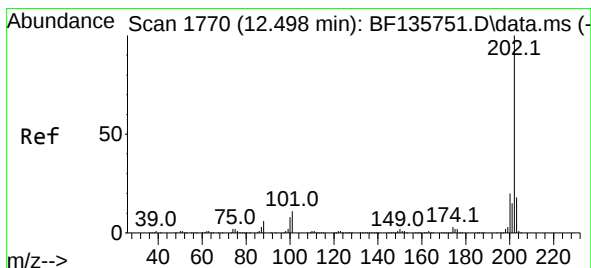
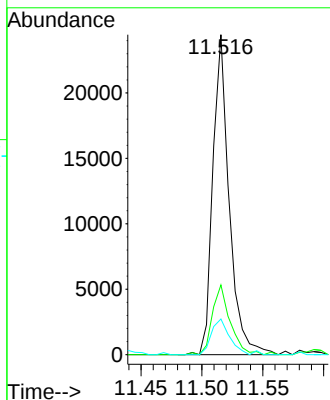
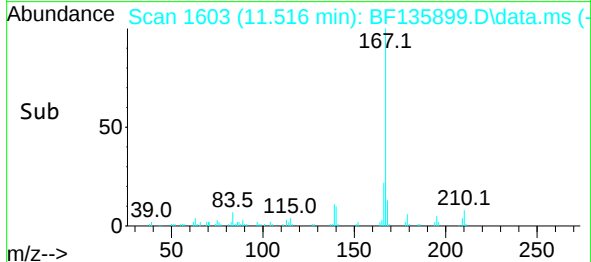
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL



Tgt Ion:167 Resp: 22870
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 11.1 10.2 15.4

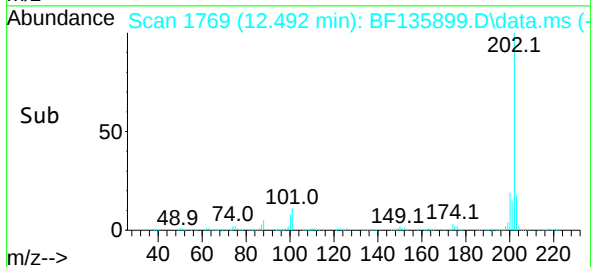
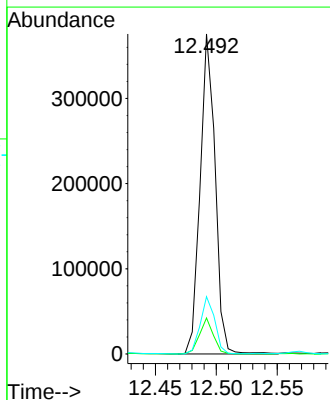
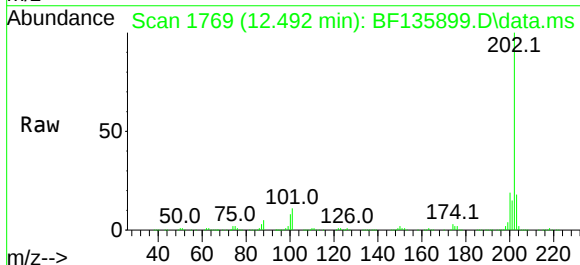
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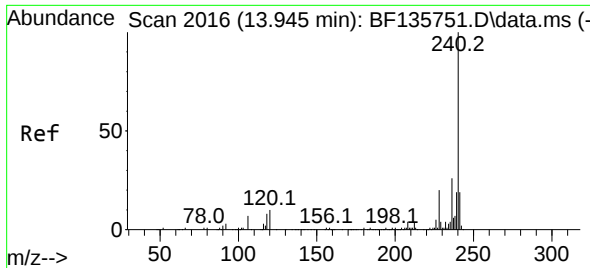
Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023



#75
 Fluoranthene
 Concen: 40.148 ng
 RT: 12.492 min Scan# 1769
 Delta R.T. -0.012 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

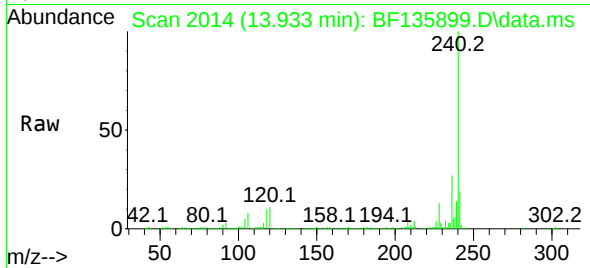
Tgt Ion:202 Resp: 322950
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.5
 203 17.9 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. -0.018 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

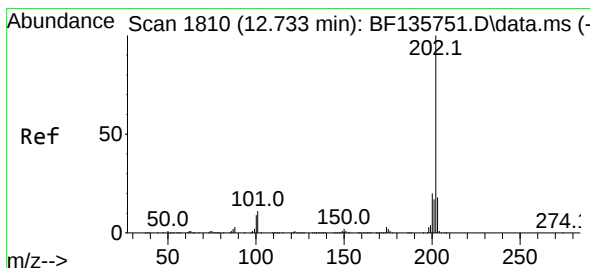
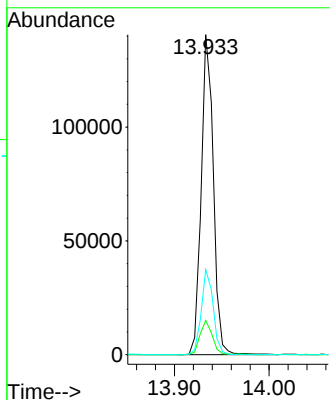
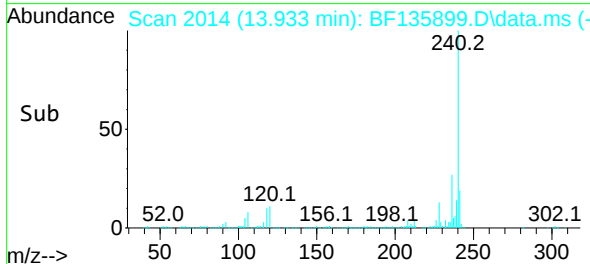
Instrument :
BNA_F
ClientSampleId :
72-11930DL



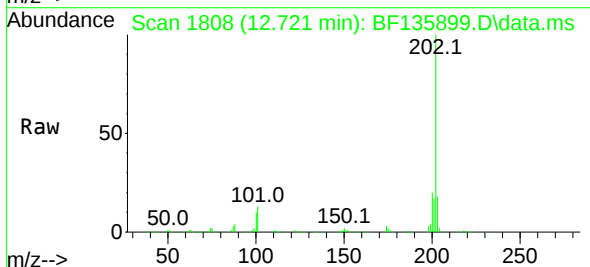
Tgt Ion:240 Resp: 125519
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 26.6 21.2 31.8

Manual Integrations
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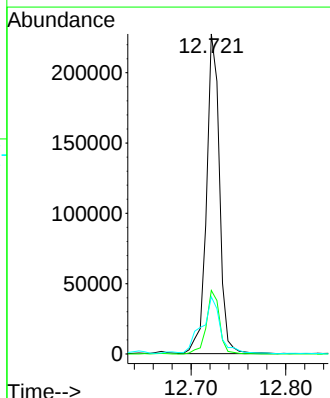
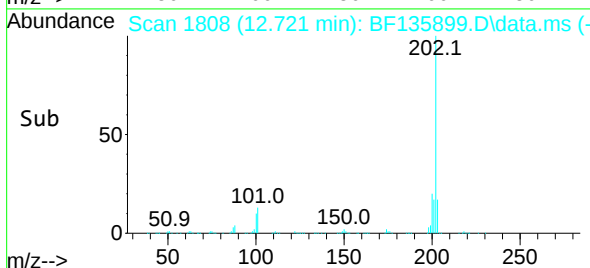
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

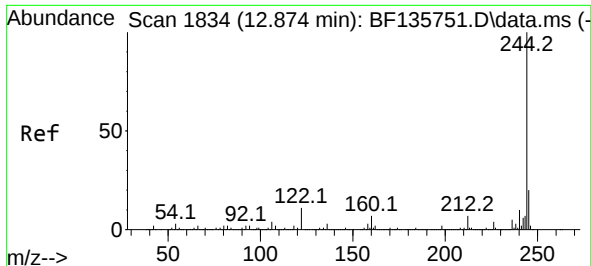


#78
Pyrene
Concen: 21.674 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53



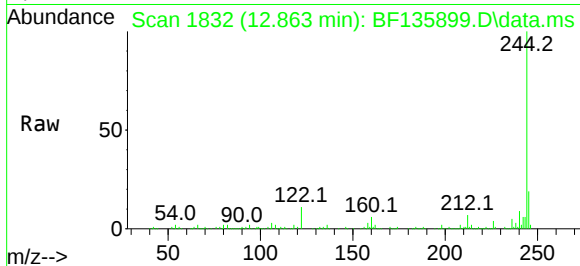
Tgt Ion:202 Resp: 216182
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 14.130 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

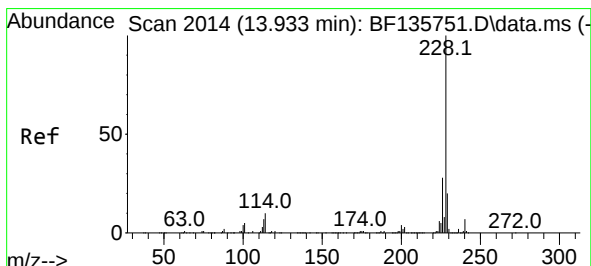
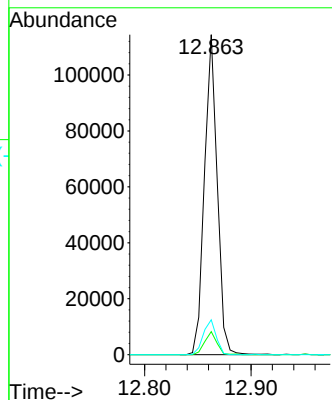
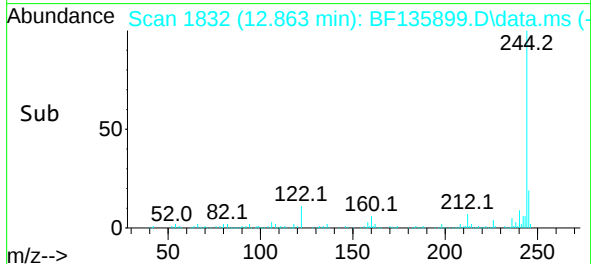
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL



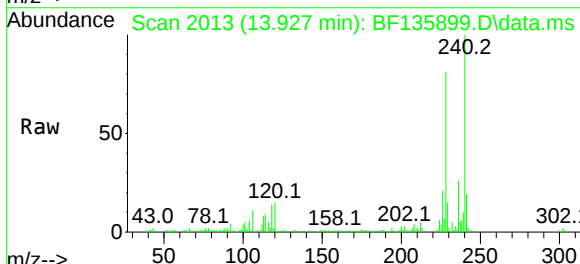
Tgt Ion:244 Resp: 9577
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.9 9.0 13.6

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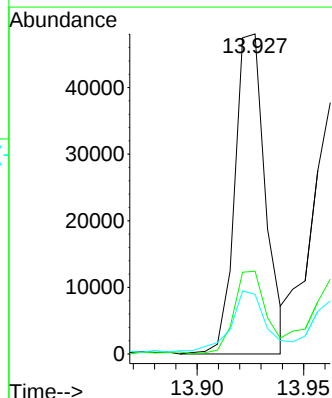
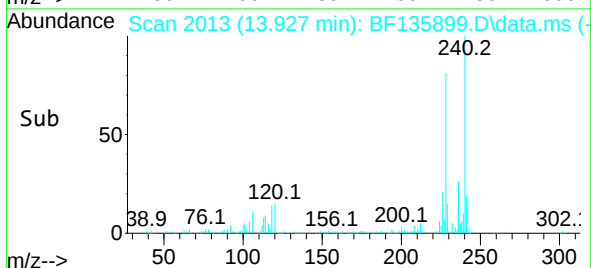
Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

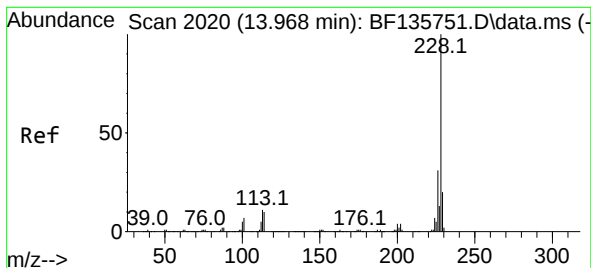


#81
 Benzo(a)anthracene
 Concen: 5.822 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53



Tgt Ion:228 Resp: 47996
 Ion Ratio Lower Upper
 228 100
 226 25.9 22.2 33.2
 229 18.6 16.1 24.1





#83

Chrysene

Concen: 5.127 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL

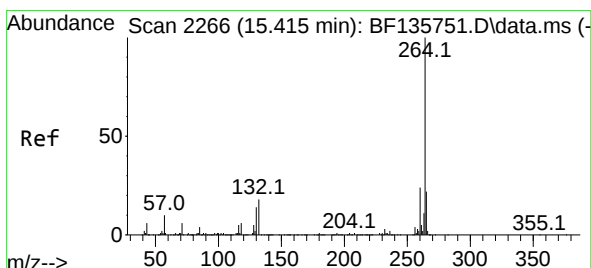
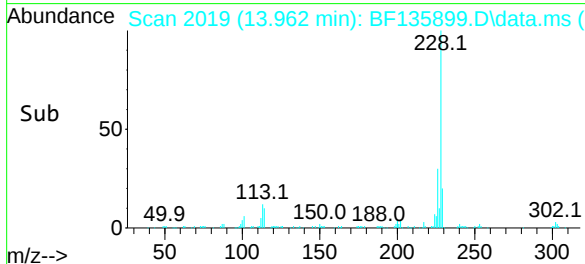
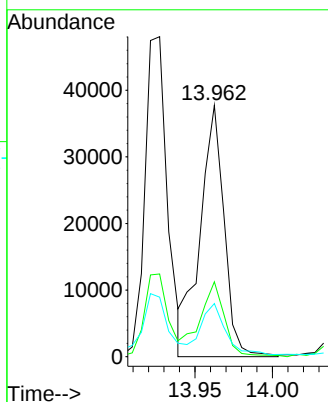
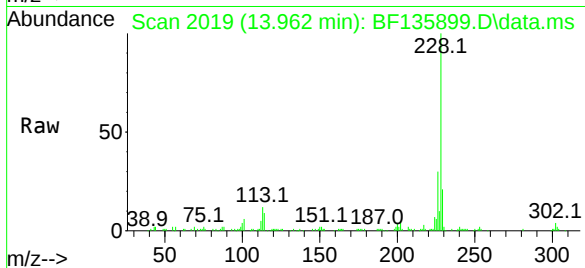
Tgt Ion:228	Resp: 40938
Ion Ratio	Lower Upper
228 100	
226 29.8	24.4 36.6
229 21.1	15.7 23.5

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Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#86

Perylene-d12

Concen: 20.000 ng

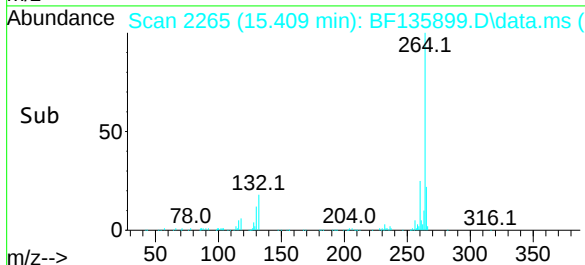
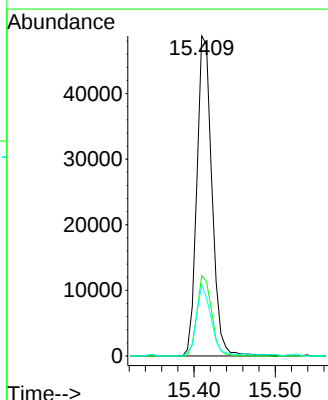
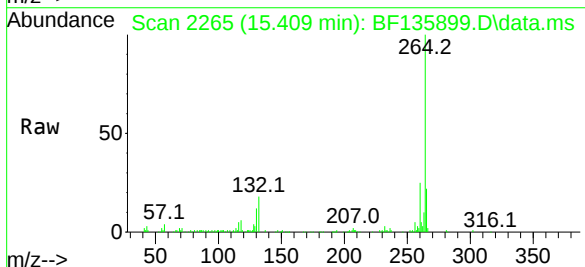
RT: 15.409 min Scan# 2265

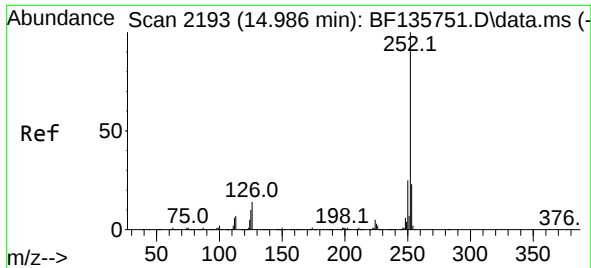
Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

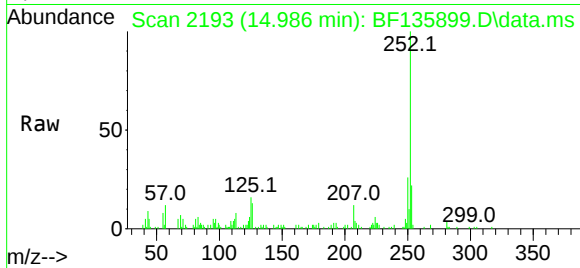
Tgt Ion:264	Resp: 63125
Ion Ratio	Lower Upper
264 100	
260 25.1	19.2 28.8
265 22.3	17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 5.756 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

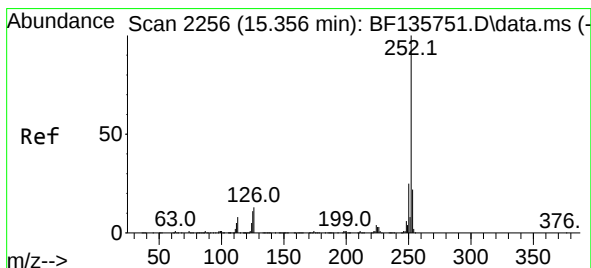
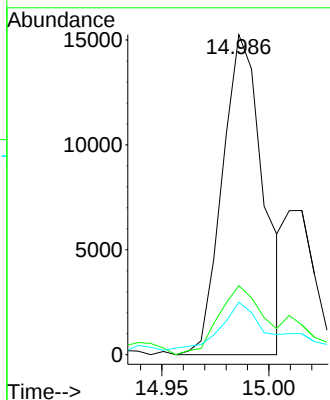
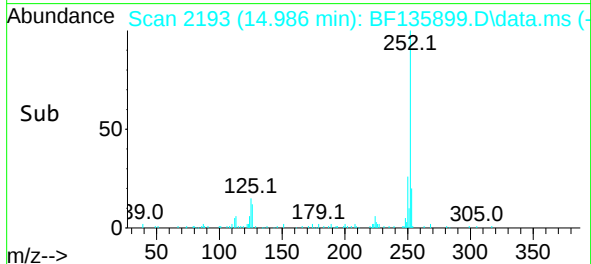
Instrument :
BNA_F
ClientSampleId :
72-11930DL



Tgt Ion:252 Resp: 20334
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 16.4 8.2 12.2

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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#90
Benzo(a)pyrene
Concen: 2.793 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion:252 Resp: 9279
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 12.0 8.8 13.2

