

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135519.D
 Acq On : 29 Sep 2023 16:44
 Operator : CG\JU
 Sample : 04606-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-327DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Sep 30 00:22:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	138580	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	475193	20.000	ng	# 0.00
39) Acenaphthene-d10	9.781	164	173605	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	211457	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	265641	20.000	ng	# 0.00
86) Perylene-d12	15.392	264	270914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	131922	15.483	ng	0.00
7) Phenol-d6	6.398	99	164212	15.157	ng	0.00
23) Nitrobenzene-d5	7.310	82	90017	10.292	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	17786	10.309	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	158836	13.804	ng	-0.01
79) Terphenyl-d14	12.874	244	126433	7.378	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.816	154	30671	3.227	ng	95
55) Dibenzofuran	9.986	168	56612	3.904	ng	# 87
58) Fluorene	10.333	166	40210	3.607	ng	# 89
70) Pentachlorophenol	11.098	266	7081	5.524	ng	97
71) Phenanthrene	11.310	178	300194	30.016	ng	96
72) Anthracene	11.357	178	38990m	3.793	ng	
73) Carbazole	11.522	167	20410	2.181	ng	# 24
75) Fluoranthene	12.504	202	278076	26.684	ng	96
78) Pyrene	12.733	202	217997	8.620	ng	96
81) Benzo(a)anthracene	13.927	228	94886	5.532	ng	94
83) Chrysene	13.963	228	149911	8.790	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	28772	3.149	ng	95
88) Benzo(b)fluoranthene	14.968	252	106593m	7.268	ng	
89) Benzo(k)fluoranthene	14.992	252	38199m	2.637	ng	
90) Benzo(a)pyrene	15.333	252	47905	3.425	ng	# 91

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

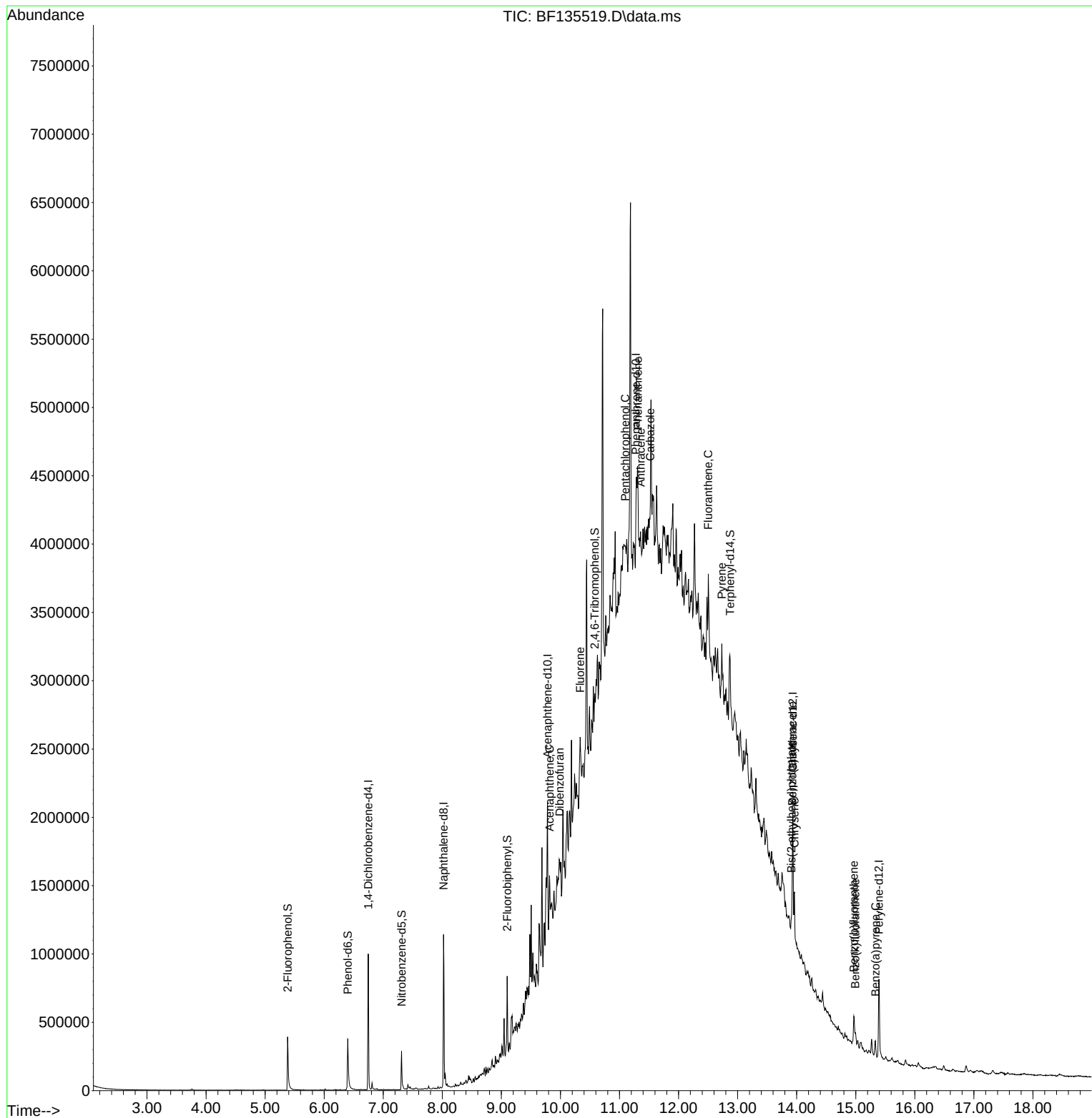
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
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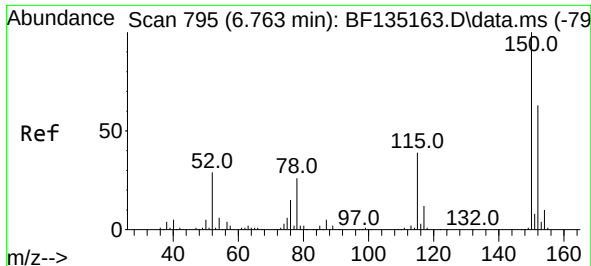
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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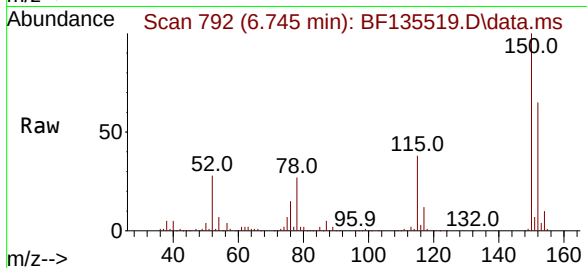
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

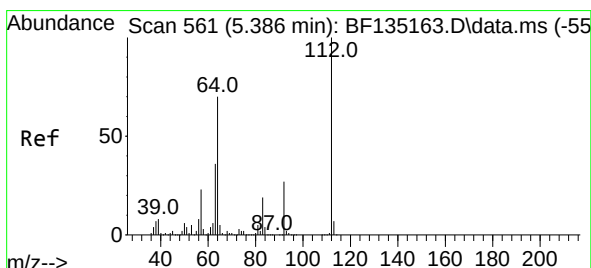
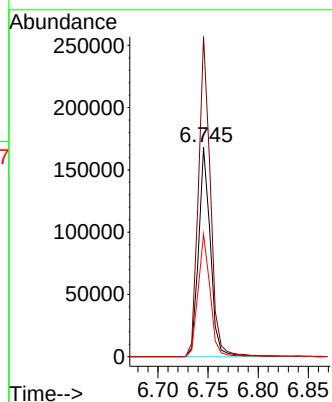
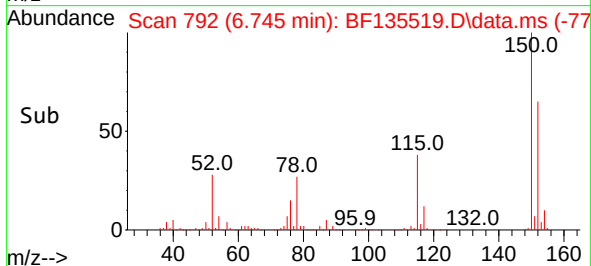
Instrument :
BNA_F
ClientSampleId :
ETGI-327DL



Tgt Ion:152 Resp: 138580
Ion Ratio Lower Upper
152 100
150 152.9 127.8 191.6
115 58.5 49.8 74.8

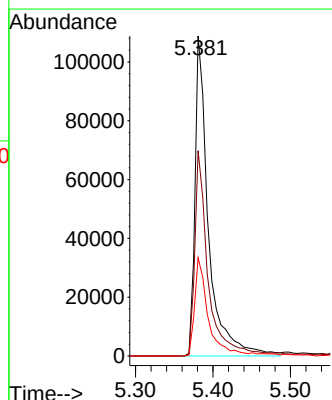
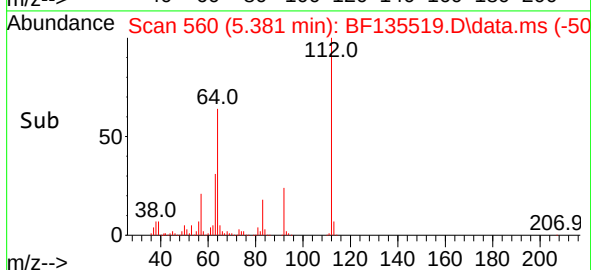
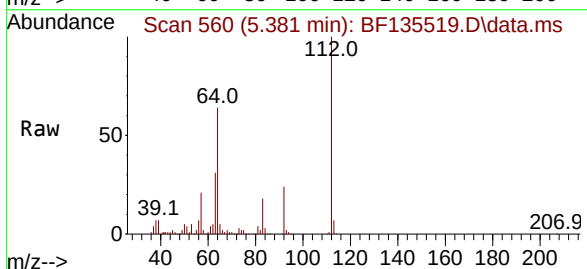
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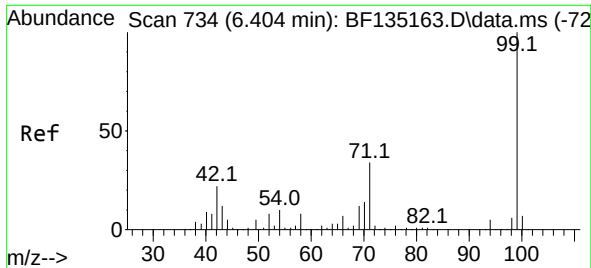
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#5
2-Fluorophenol
Concen: 15.483 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:112 Resp: 131922
Ion Ratio Lower Upper
112 100
64 64.2 55.9 83.9
63 30.7 29.0 43.6





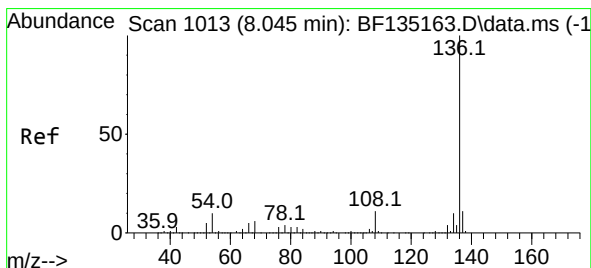
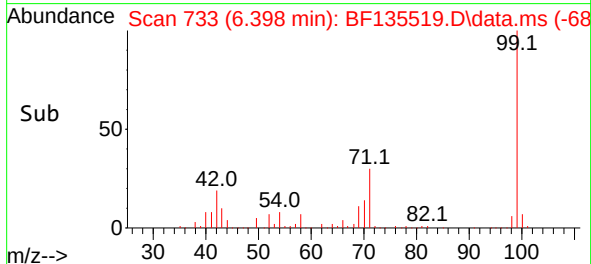
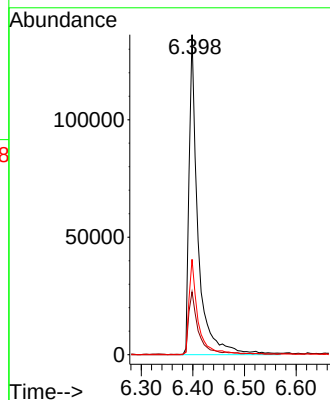
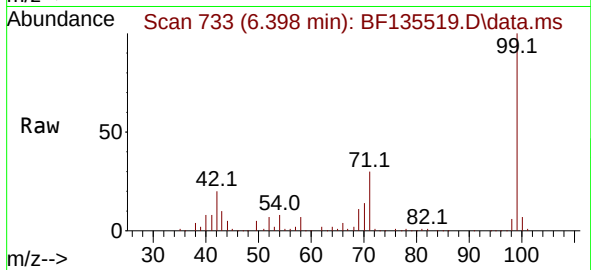
#7
Phenol-d6
Concen: 15.157 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Instrument :
BNA_F
ClientSampleId :
ETGI-327DL

Tgt Ion: 99 Resp: 16421
Ion Ratio Lower Upper
99 100
42 19.6 17.9 26.9
71 29.8 27.0 40.6

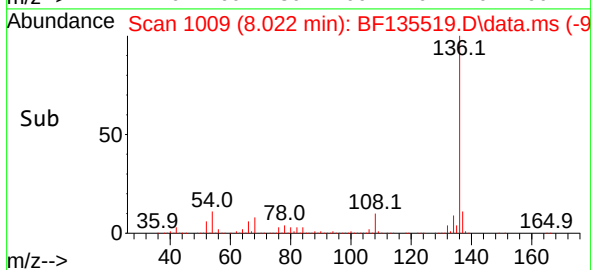
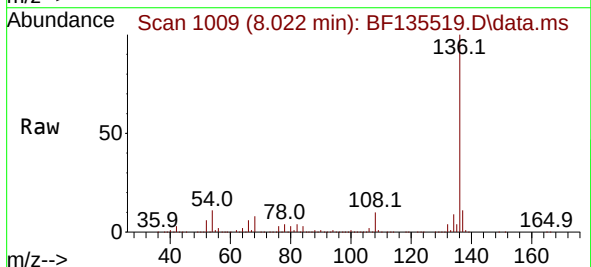
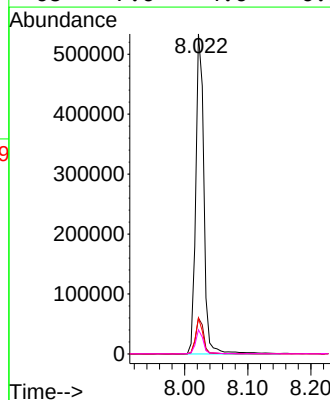
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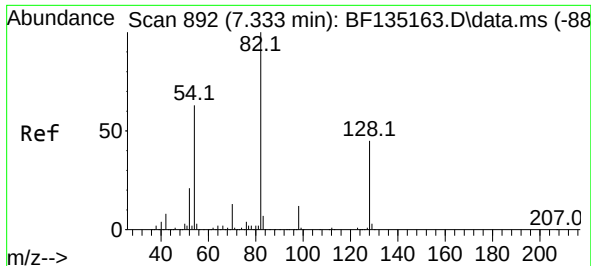
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:136 Resp: 475193
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.2 7.7 11.5
68 7.6 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 10.292 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

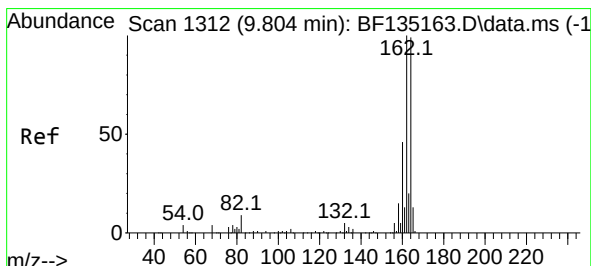
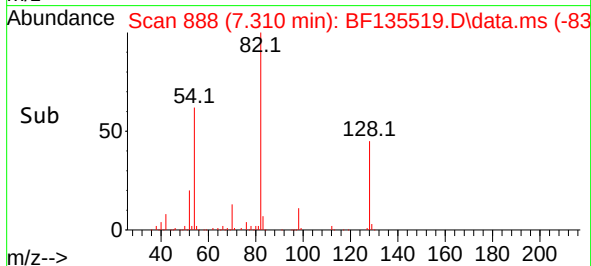
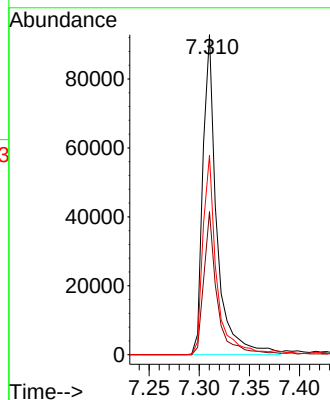
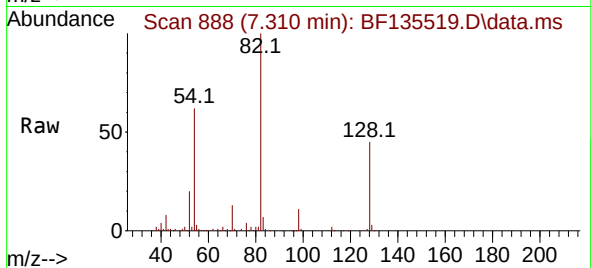
Tgt Ion:	82	Resp:	9001
Ion Ratio	Lower	Upper	
82	100		
128	44.7	35.8	53.6
54	62.3	50.6	76.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

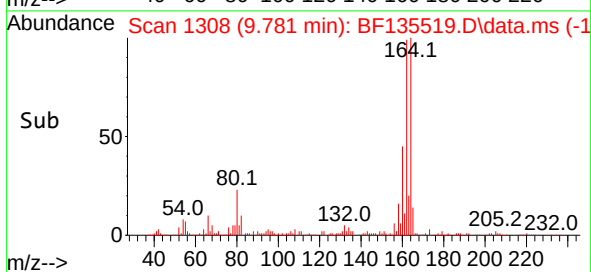
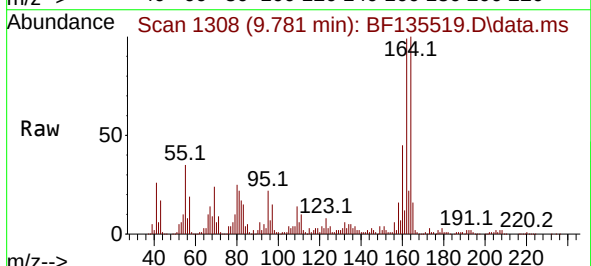
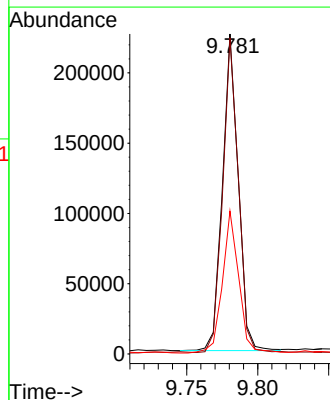
RT: 9.781 min Scan# 1308

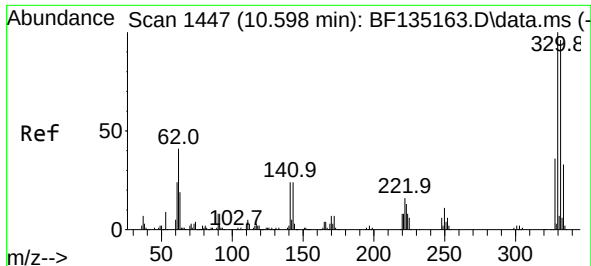
Delta R.T. -0.006 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

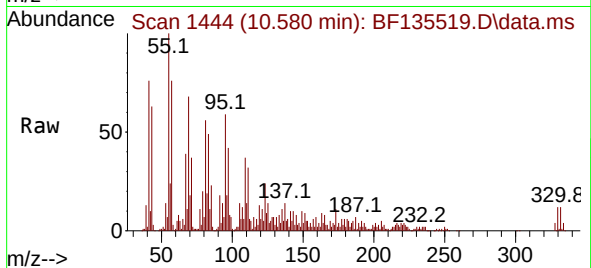
Tgt Ion:	164	Resp:	173605
Ion Ratio	Lower	Upper	
164	100		
162	98.8	81.0	121.4
160	44.6	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 10.309 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

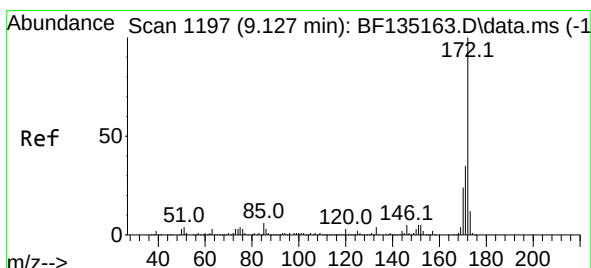
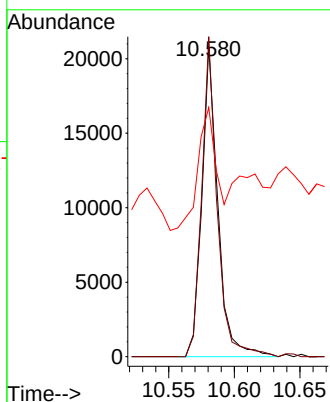
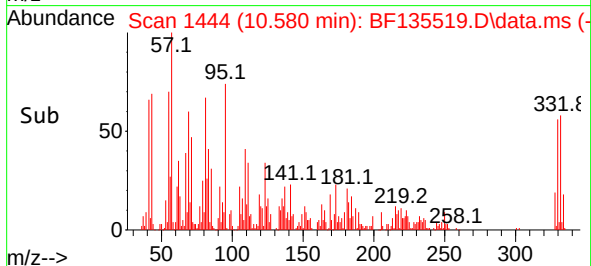
Instrument :
BNA_F
ClientSampleId :
ETGI-327DL



Tgt Ion:330 Resp: 17780
Ion Ratio Lower Upper
330 100
332 99.3 77.3 115.9
141 45.4 25.8 38.8

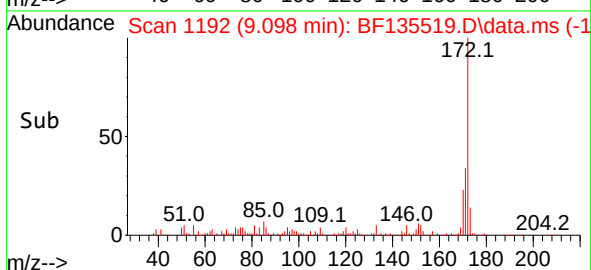
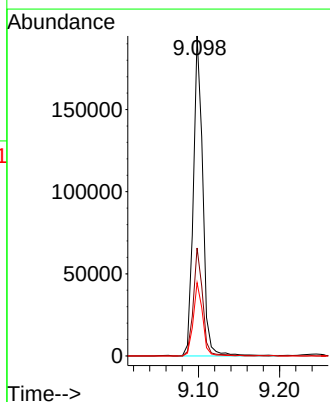
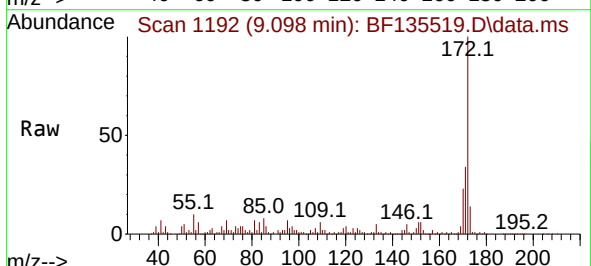
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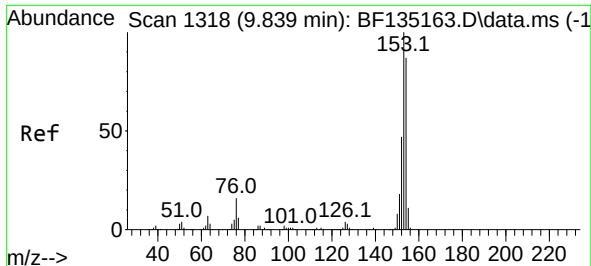
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#45
2-Fluorobiphenyl
Concen: 13.804 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:172 Resp: 158836
Ion Ratio Lower Upper
172 100
171 33.8 28.4 42.6
170 22.9 19.0 28.4





#52
Acenaphthene
Concen: 3.227 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

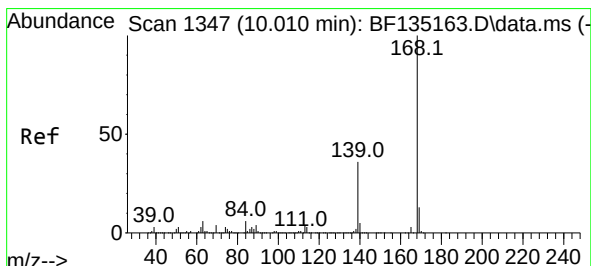
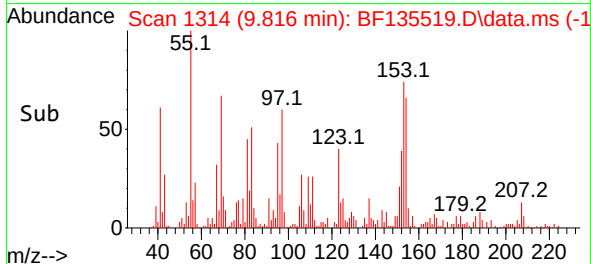
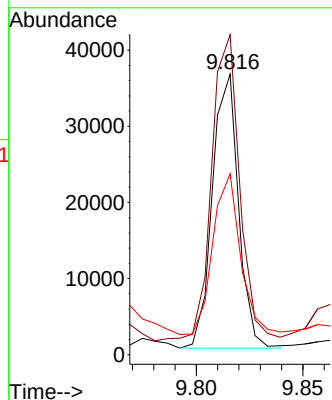
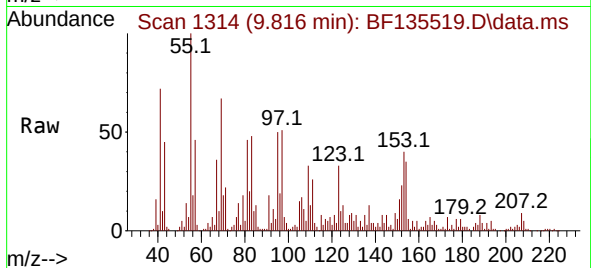
ETGI-327DL

Tgt Ion:154 Resp: 3067
Ion Ratio Lower Upper
154 100
153 114.1 92.1 138.1
152 64.5 43.1 64.7

Manual Integrations

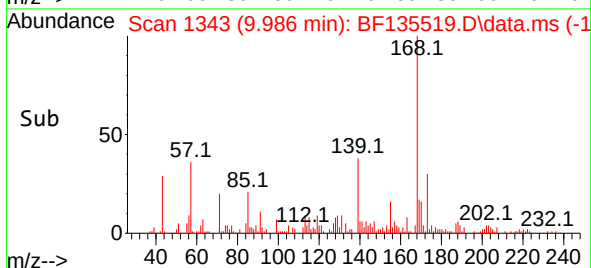
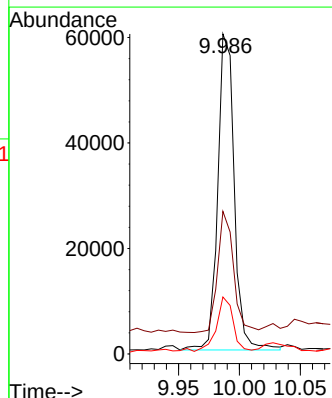
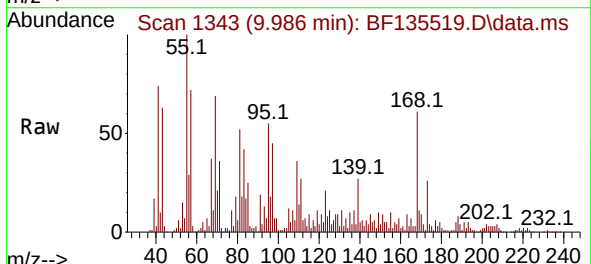
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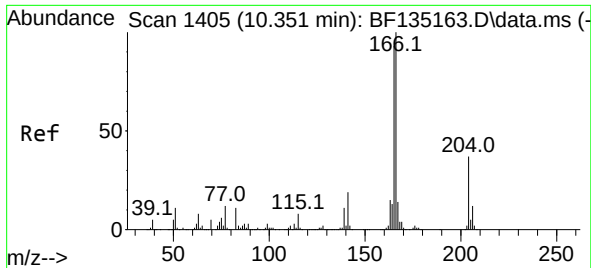
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#55
Dibenzofuran
Concen: 3.904 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

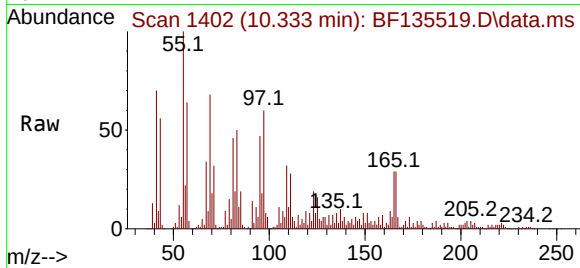
Tgt Ion:168 Resp: 56612
Ion Ratio Lower Upper
168 100
139 44.5 29.0 43.6#
169 17.8 10.4 15.6#





#58
Fluorene
Concen: 3.607 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

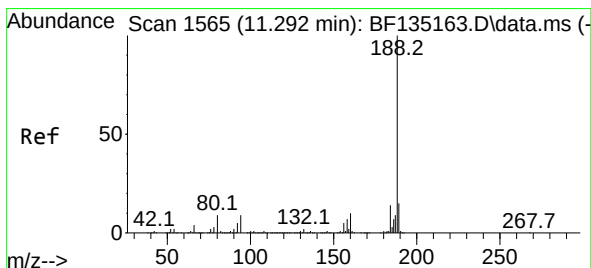
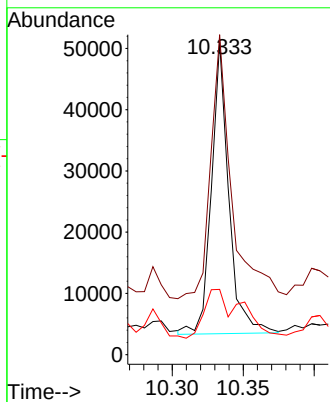
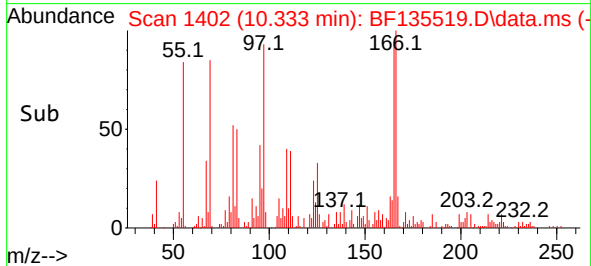
Instrument :
BNA_F
ClientSampleId :
ETGI-327DL



Tgt Ion:166 Resp: 40210
Ion Ratio Lower Upper
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165 102.3 74.3 111.5
167 20.9 10.9 16.3

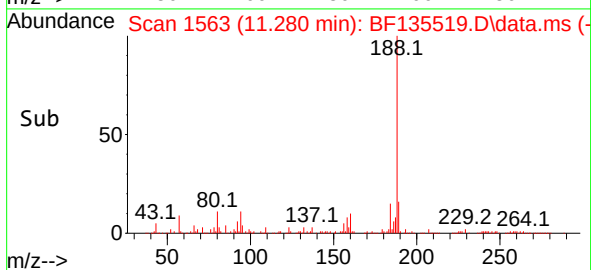
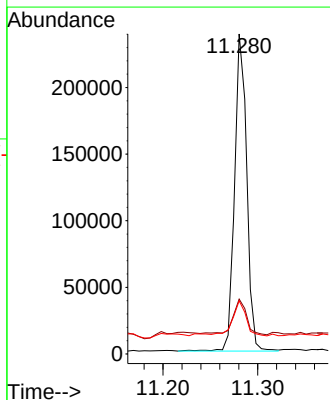
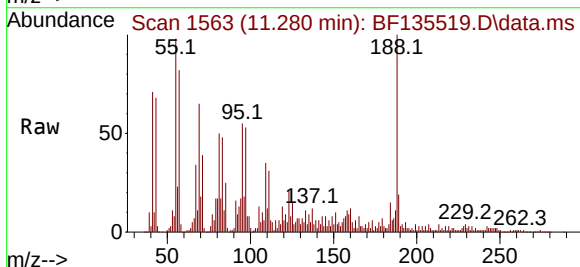
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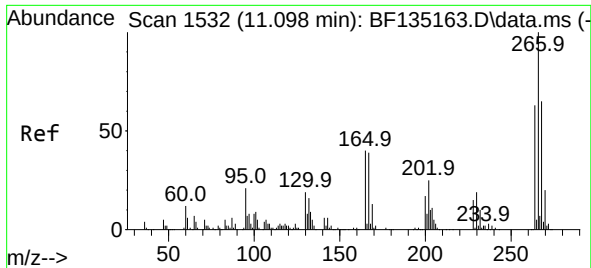
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:188 Resp: 211457
Ion Ratio Lower Upper
188 100
94 17.1 7.0 10.6#
80 16.6 7.5 11.3#





#70
Pentachlorophenol
Concen: 5.524 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.012 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

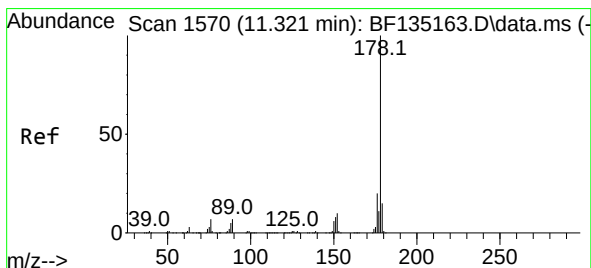
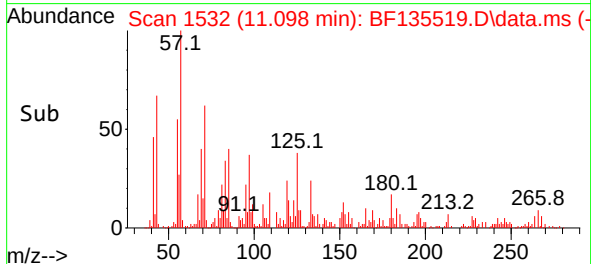
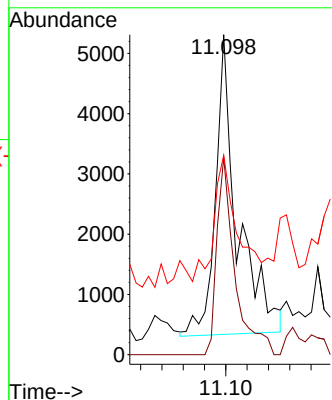
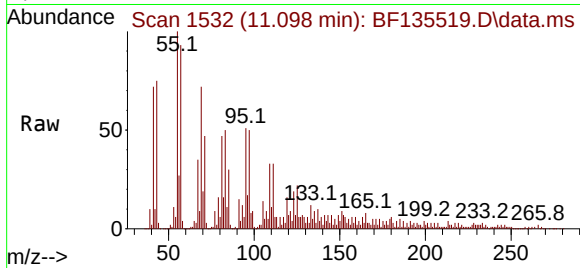
ETGI-327DL

Tgt Ion:266 Resp: 708
Ion Ratio Lower Upper
266 100
268 61.7 52.1 78.1
264 62.3 50.8 76.2

Manual Integrations

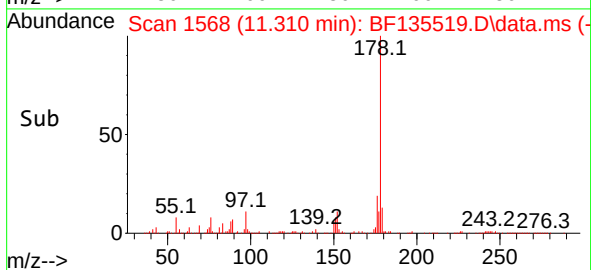
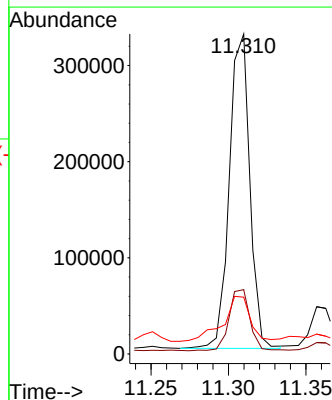
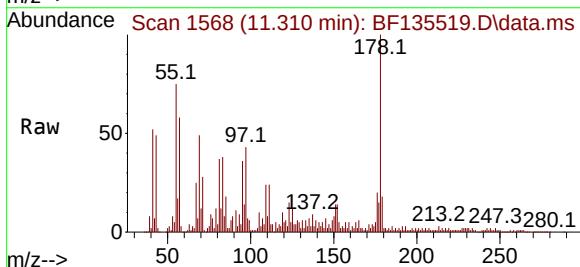
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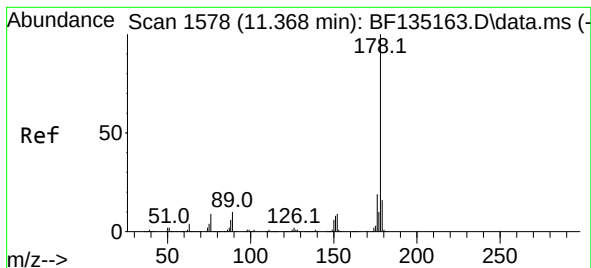
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#71
Phenanthrene
Concen: 30.016 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:178 Resp: 300194
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 17.7 12.0 18.0





#72

Anthracene

Concen: 3.793 ng m

RT: 11.357 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

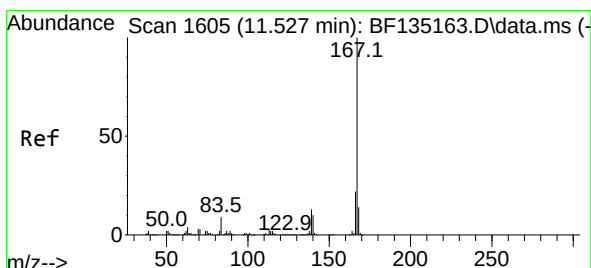
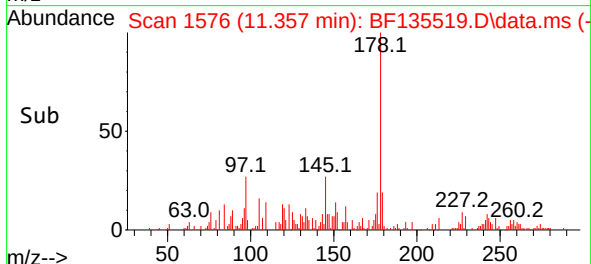
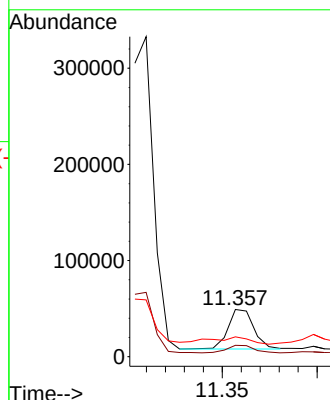
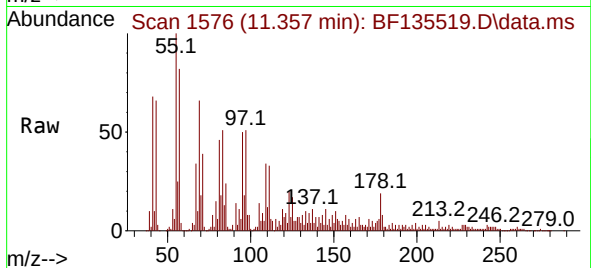
Tgt Ion:178	Resp:	38990
Ion Ratio	Lower	Upper
178	100	
176	23.9	15.4 23.2
179	42.1	12.6 19.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/02/2023

Supervised By :mohammad ahmed 10/03/2023



#73

Carbazole

Concen: 2.181 ng

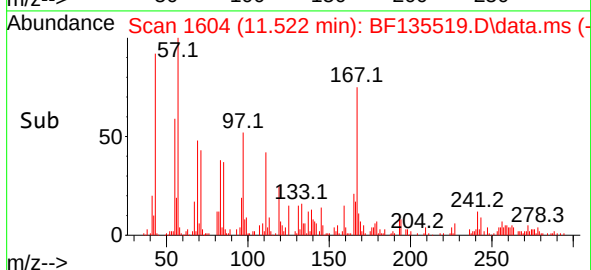
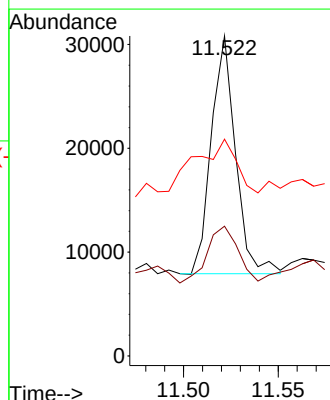
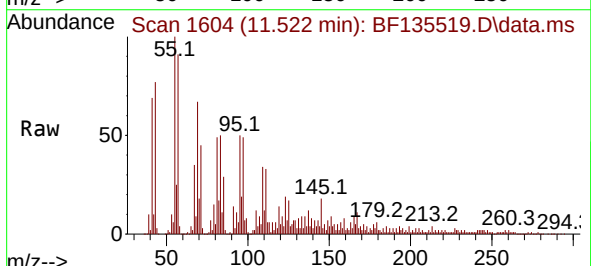
RT: 11.522 min Scan# 1604

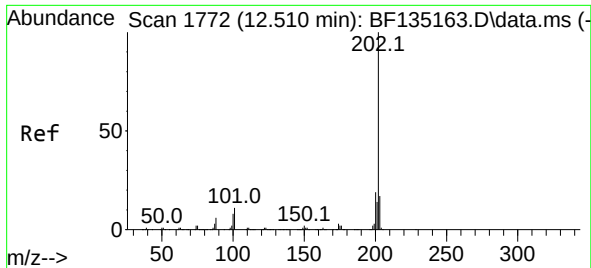
Delta R.T. 0.006 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

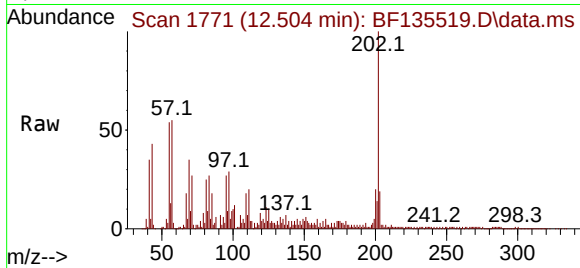
Tgt Ion:167	Resp:	20410
Ion Ratio	Lower	Upper
167	100	
166	40.5	17.4 26.0
139	67.7	10.6 15.8





#75
Fluoranthene
Concen: 26.684 ng
RT: 12.504 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

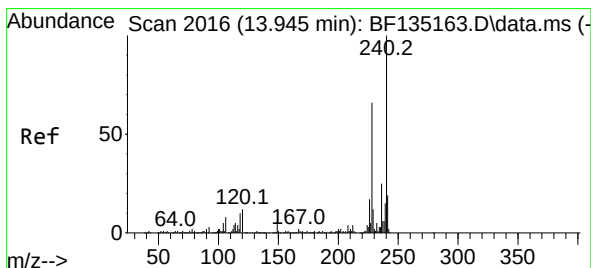
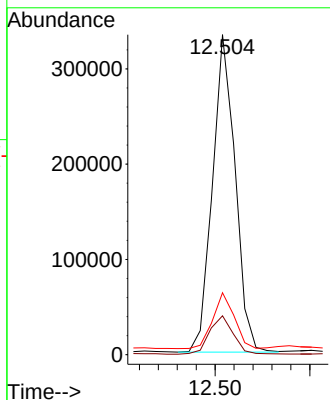
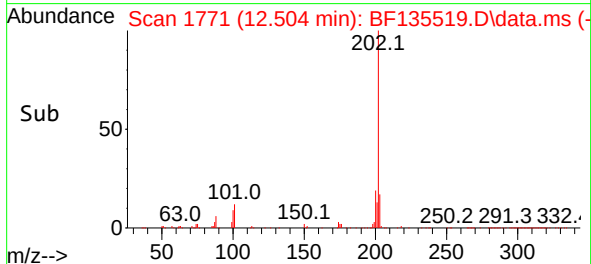
Instrument :
BNA_F
ClientSampleId :
ETGI-327DL



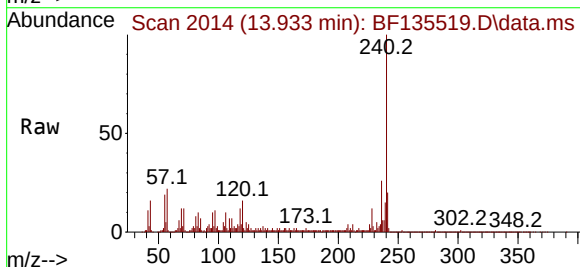
Tgt Ion:202 Resp: 278070
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 19.4 0.0 37.4

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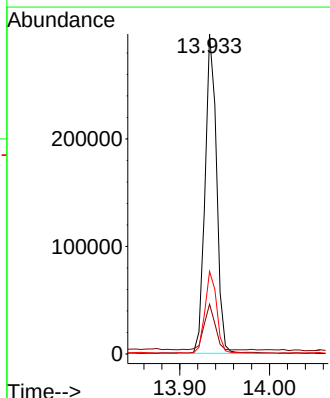
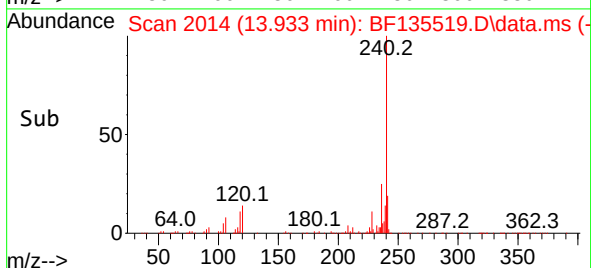
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023

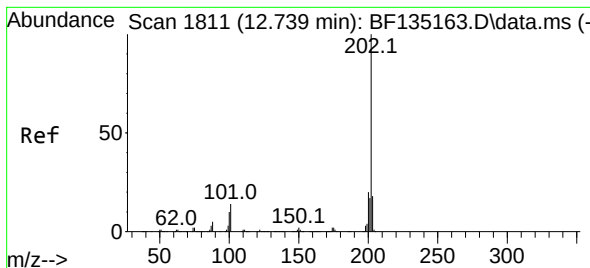


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44



Tgt Ion:240 Resp: 265641
Ion Ratio Lower Upper
240 100
120 15.5 9.4 14.2#
236 25.8 19.8 29.8





#78

Pyrene

Concen: 8.620 ng

RT: 12.733 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF135519.D

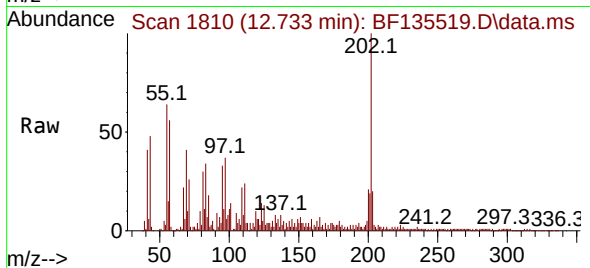
Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL



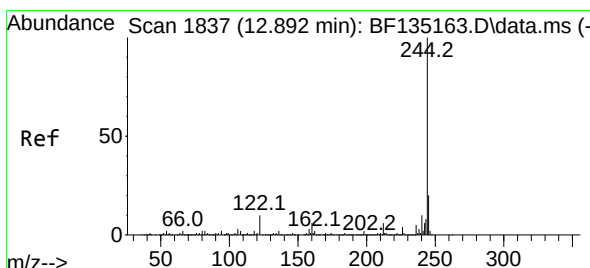
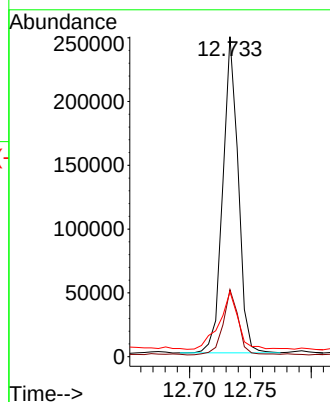
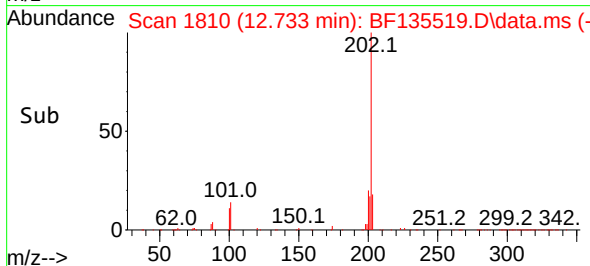
Tgt Ion:	202	Resp:	21799
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.2	24.2
203	20.3	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/02/2023

Supervised By :mohammad ahmed 10/03/2023



#79

Terphenyl-d14

Concen: 7.378 ng

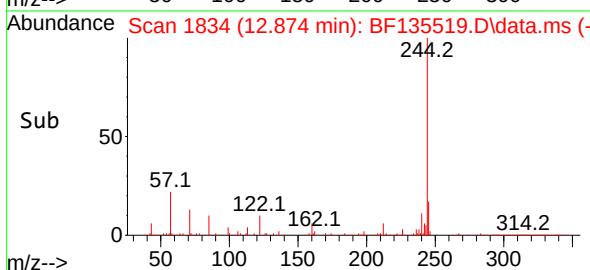
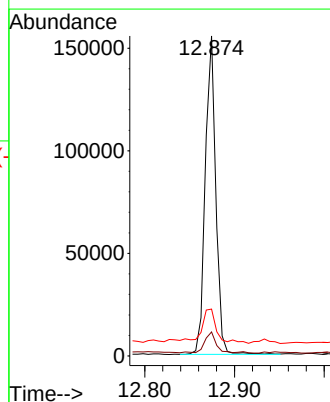
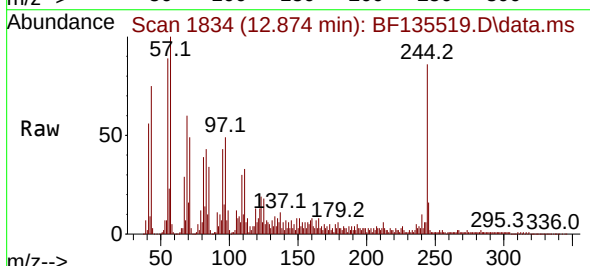
RT: 12.874 min Scan# 1834

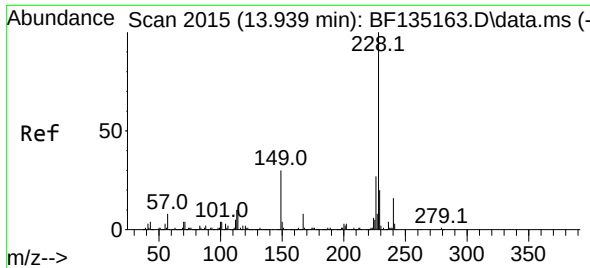
Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Tgt Ion:	244	Resp:	126433
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.1	7.7
122	14.7	7.9	11.9





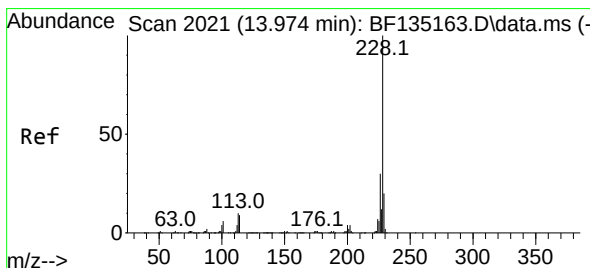
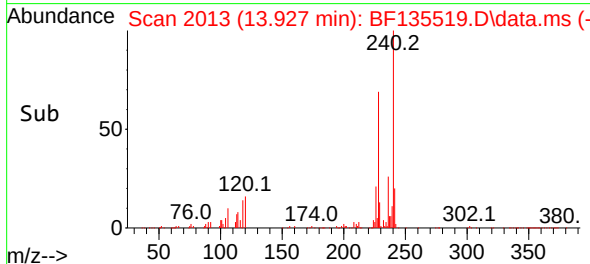
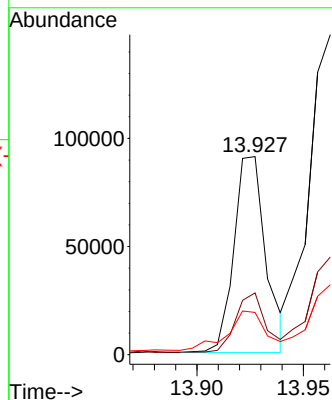
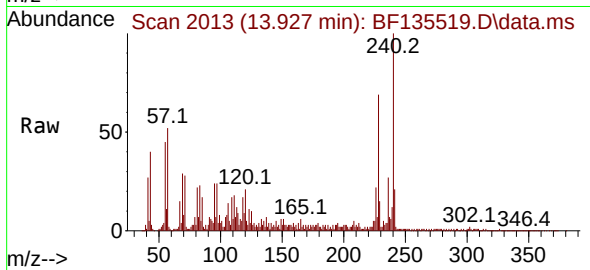
#81
Benzo(a)anthracene
Concen: 5.532 ng
RT: 13.927 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Instrument :
BNA_F
ClientSampleId :
ETGI-327DL

Tgt Ion:228 Resp: 94880
Ion Ratio Lower Upper
228 100
226 31.2 21.7 32.5
229 21.4 15.8 23.8

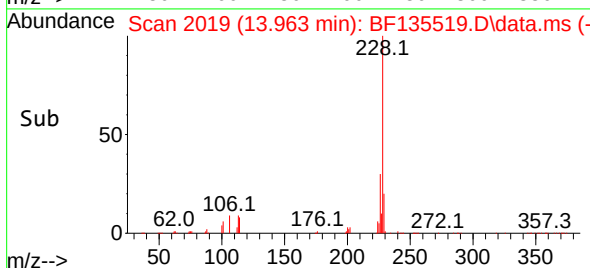
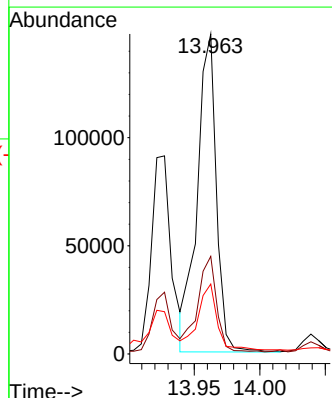
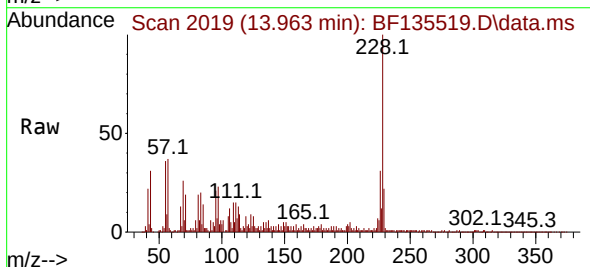
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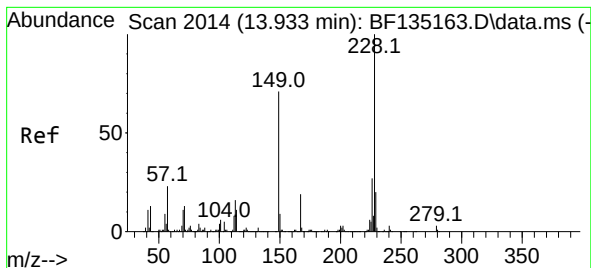
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#83
Chrysene
Concen: 8.790 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:228 Resp: 149911
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.9 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.149 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

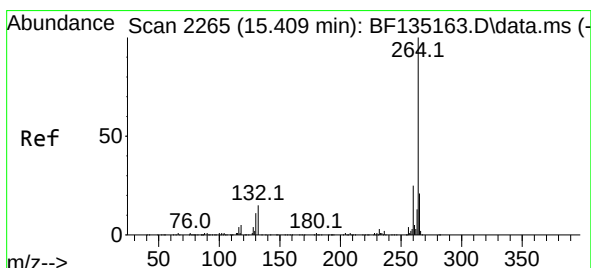
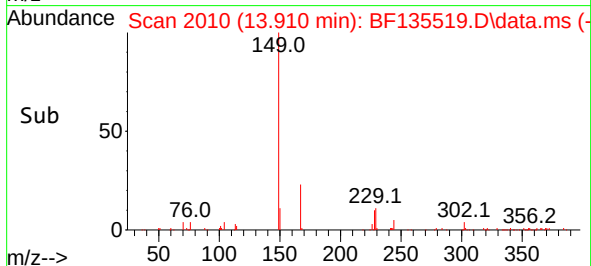
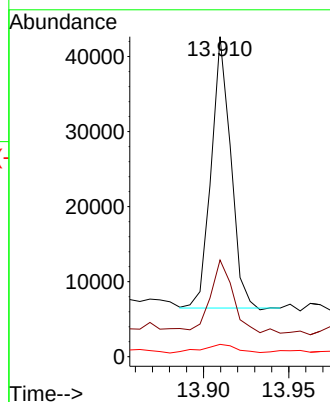
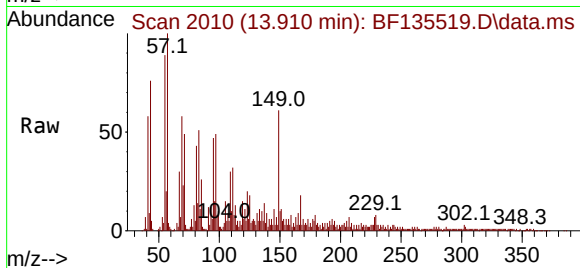
Tgt Ion:	149	Resp:	2877
Ion Ratio	Lower	Upper	
149	100		
167	30.2	21.9	32.9
279	3.9	3.3	4.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/02/2023

Supervised By :mohammad ahmed 10/03/2023



#86

Perylene-d12

Concen: 20.000 ng

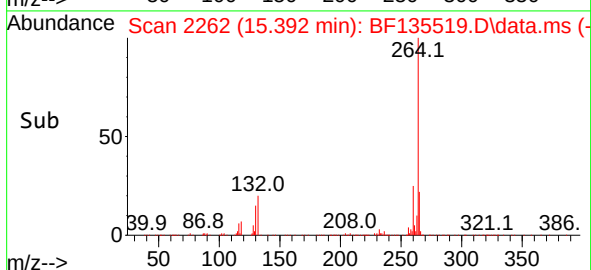
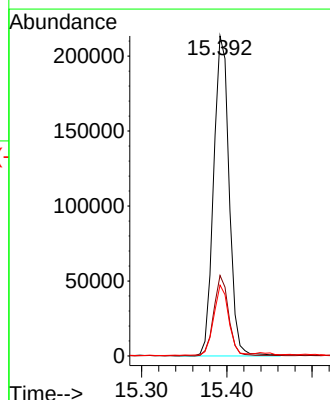
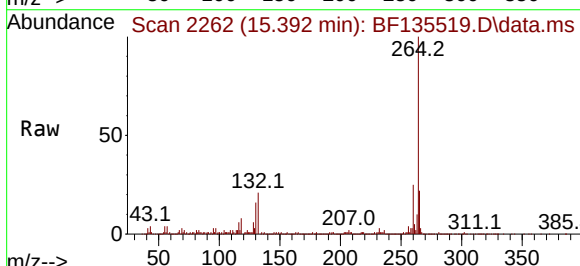
RT: 15.392 min Scan# 2262

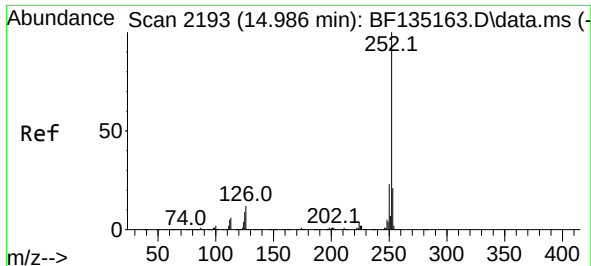
Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

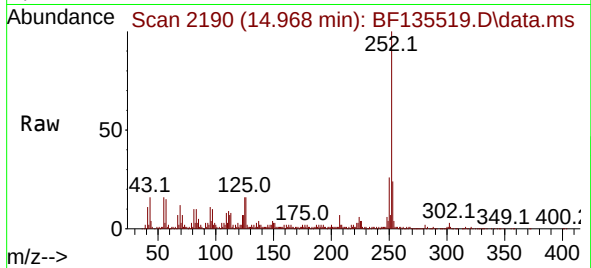
Tgt Ion:	264	Resp:	270914
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.8	29.6
265	22.2	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 7.268 ng m
RT: 14.968 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

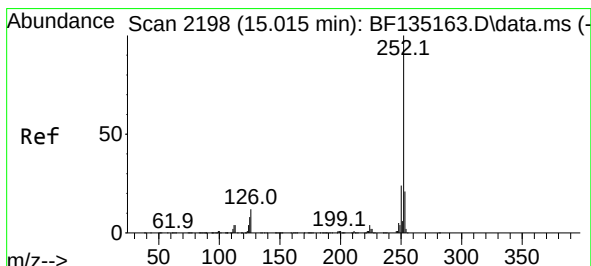
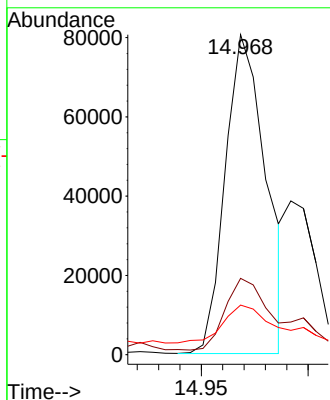
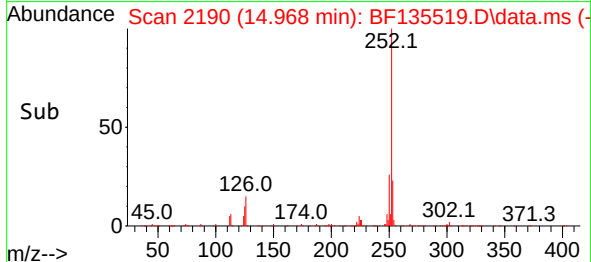
Instrument :
BNA_F
ClientSampleId :
ETGI-327DL



Tgt Ion:252 Resp: 10659
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 15.5 7.1 10.7

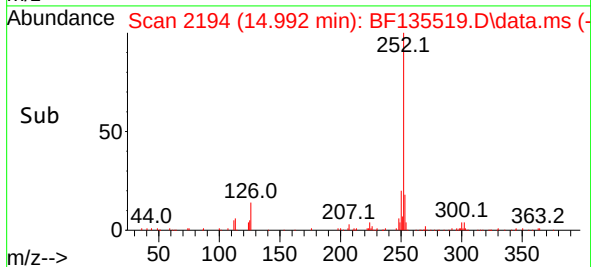
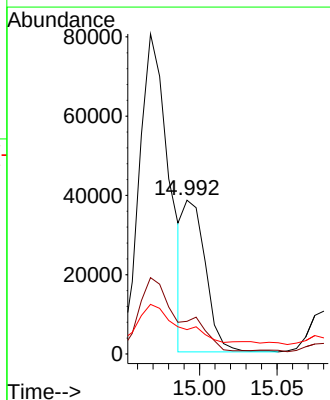
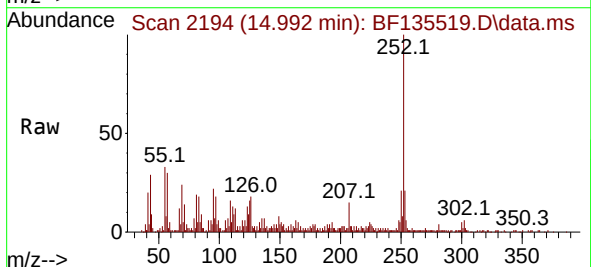
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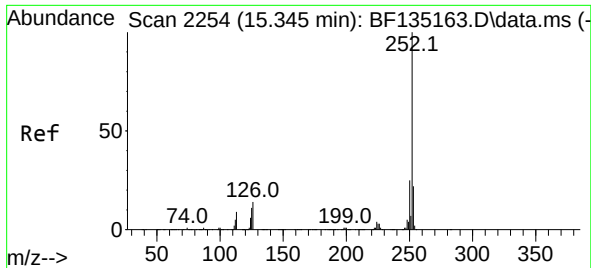
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#89
Benzo(k)fluoranthene
Concen: 2.637 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

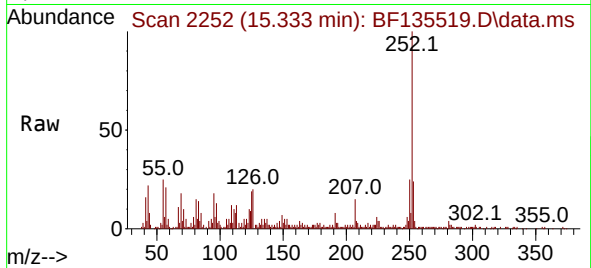
Tgt Ion:252 Resp: 38199
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.0
125 15.8 7.2 10.8





#90
Benzo(a)pyrene
Concen: 3.425 ng
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Instrument :
BNA_F
ClientSampleId :
ETGI-327DL



Tgt Ion:252 Resp: 4790
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 18.5 9.2 13.8

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Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023

