

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135799.D
 Acq On : 17 Oct 2023 02:59
 Operator : CG\JU
 Sample : 04854-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-101123

Quant Time: Oct 17 04:12:27 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	107697	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	383064	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	161890	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	279802	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	169642	20.000	ng	-0.01
86) Perylene-d12	15.415	264	138482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	500370	74.698	ng	0.00
7) Phenol-d6	6.387	99	615390	73.629	ng	-0.01
23) Nitrobenzene-d5	7.304	82	370021	53.127	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	108910	70.108	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	611986	59.105	ng	-0.01
79) Terphenyl-d14	12.869	244	547908	59.813	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	97326	7.261	ng	96
75) Fluoranthene	12.498	202	233009	15.663	ng	98
78) Pyrene	12.727	202	267479	19.842	ng	99
81) Benzo(a)anthracene	13.927	228	121505	10.904	ng	97
83) Chrysene	13.963	228	116225	10.769	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	17033	2.121	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.921	276	42810	5.674	ng	95
88) Benzo(b)fluoranthene	14.986	252	109352m	14.109	ng	
89) Benzo(k)fluoranthene	15.010	252	31124m	4.136	ng	
90) Benzo(a)pyrene	15.351	252	76817	10.540	ng	# 95
91) Dibenzo(a,h)anthracene	16.921	278	12608	2.038	ng	# 75
92) Benzo(g,h,i)perylene	17.380	276	40538	6.380	ng	95

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

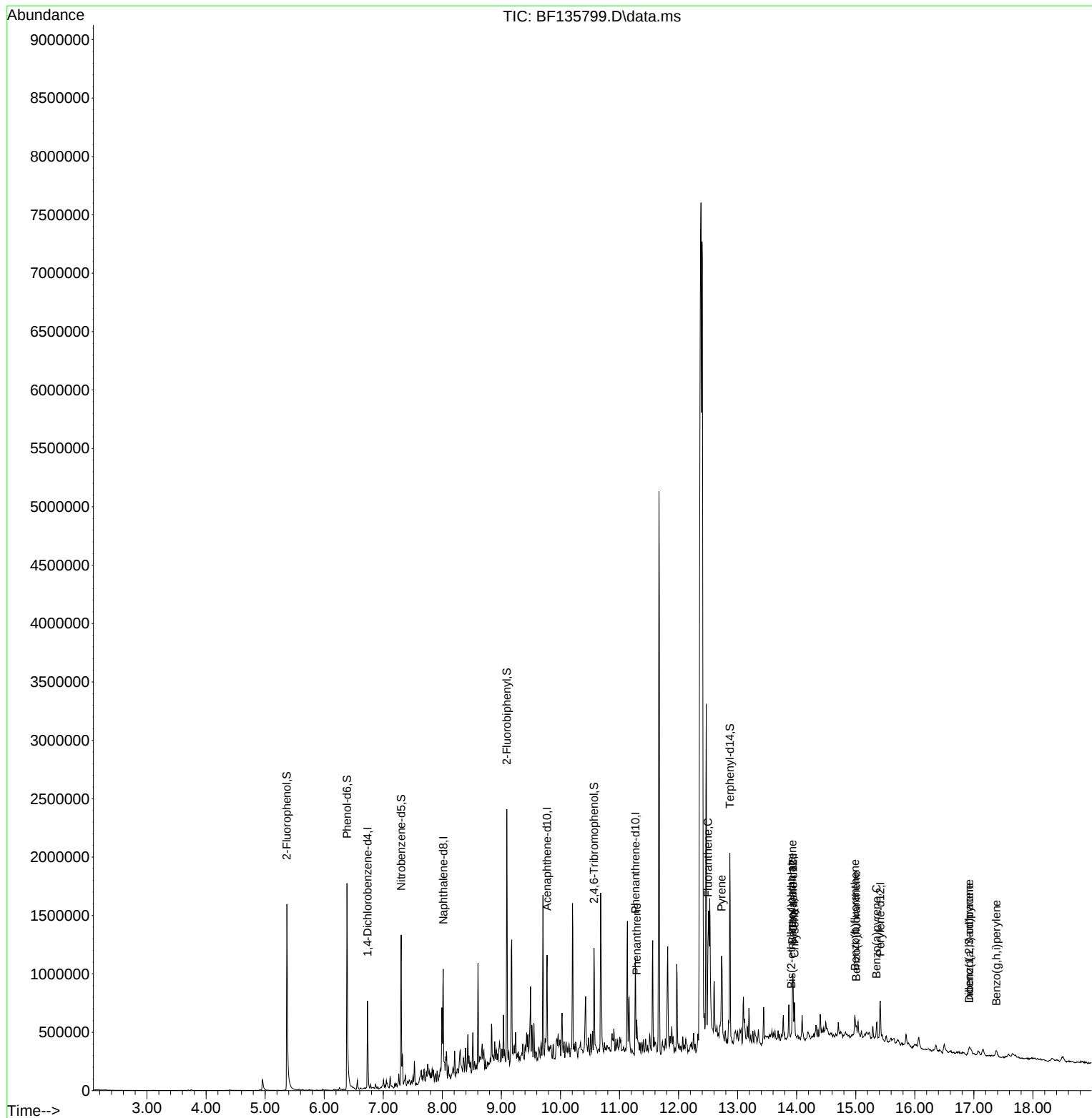
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
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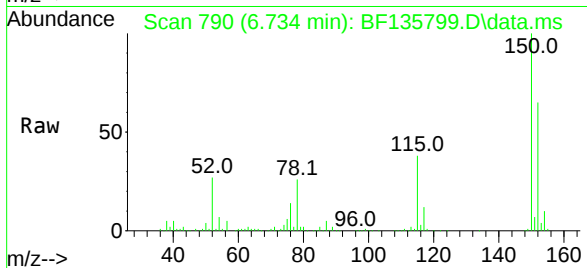
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

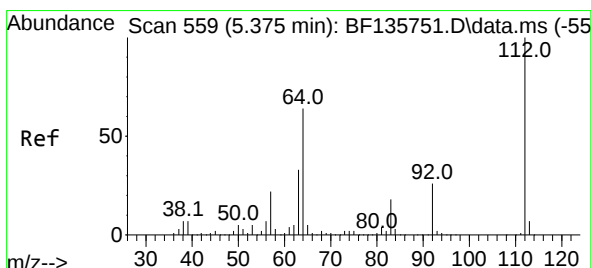
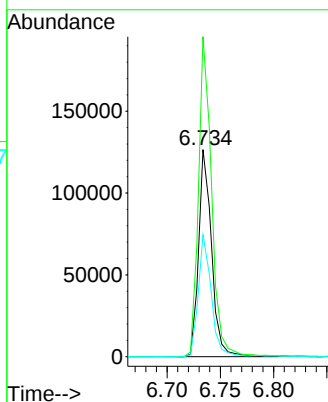
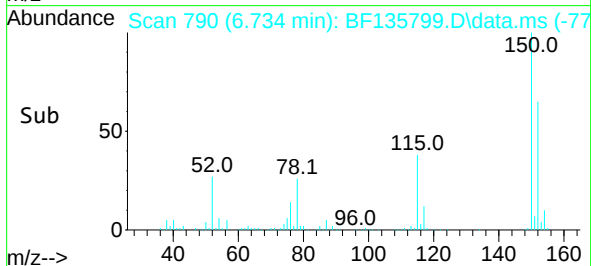
Instrument :
BNA_F
ClientSampleId :
TR-05-101123



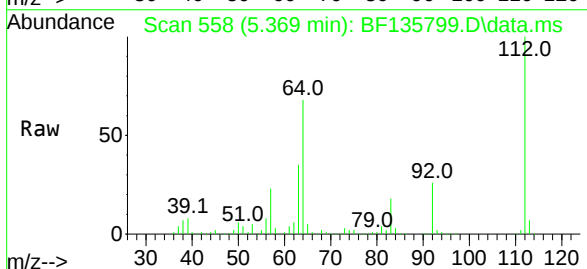
Tgt Ion:152 Resp: 10769
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 58.9 49.0 73.4

Manual Integrations
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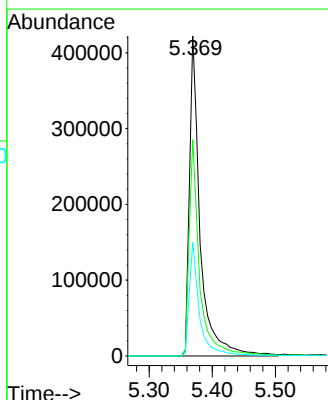
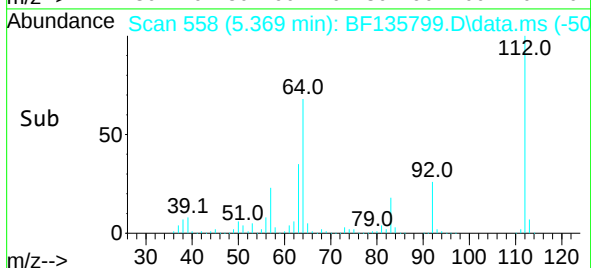
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

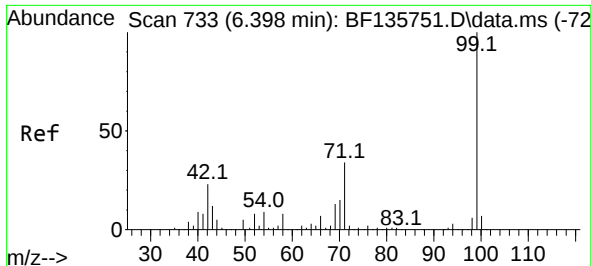


#5
2-Fluorophenol
Concen: 74.698 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59



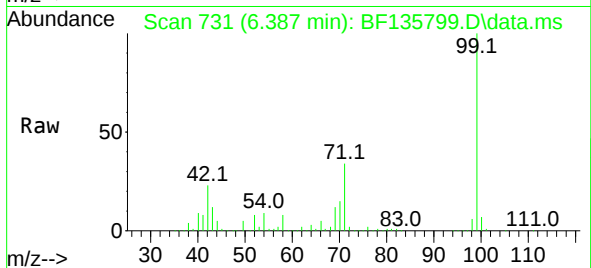
Tgt Ion:112 Resp: 500370
Ion Ratio Lower Upper
112 100
64 67.6 51.2 76.8
63 35.5 26.1 39.1





#7
Phenol-d6
Concen: 73.629 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

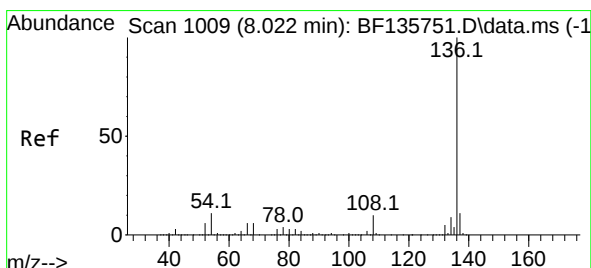
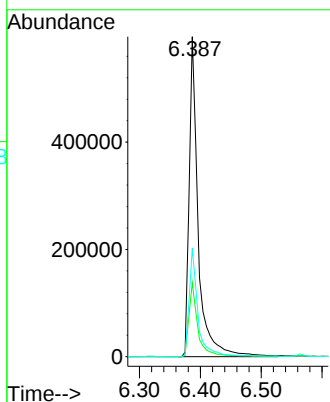
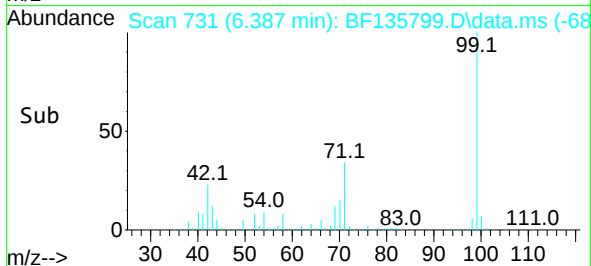
Instrument :
BNA_F
ClientSampleId :
TR-05-101123



Tgt Ion: 99 Resp: 615390
Ion Ratio Lower Upper
99 100
42 23.1 18.4 27.6
71 33.8 27.2 40.8

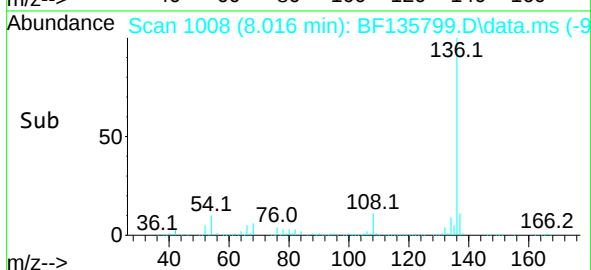
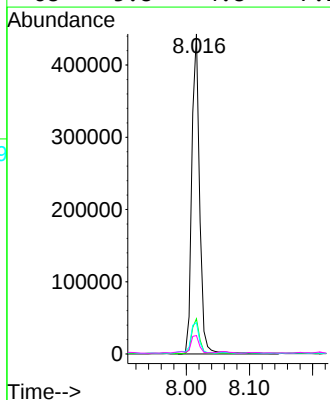
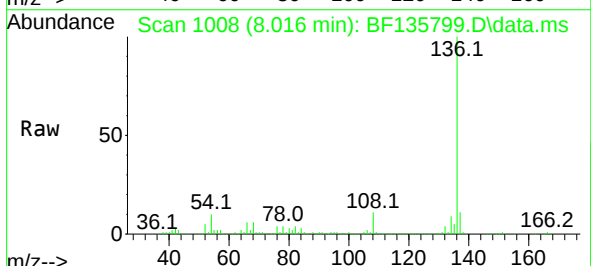
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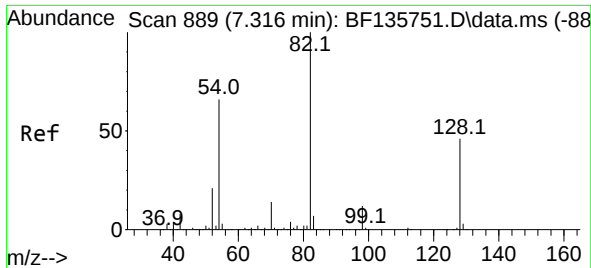
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:136 Resp: 383064
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 8.5 12.7
68 5.8 4.8 7.2





#23
Nitrobenzene-d5
Concen: 53.127 ng
RT: 7.304 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

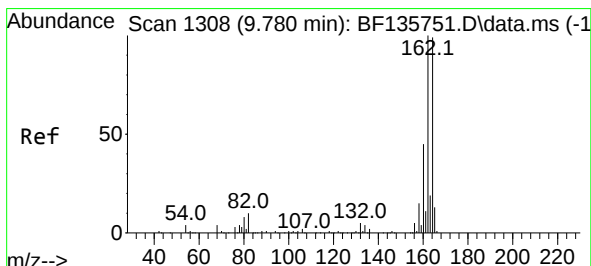
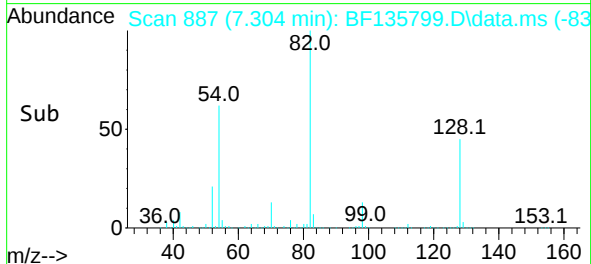
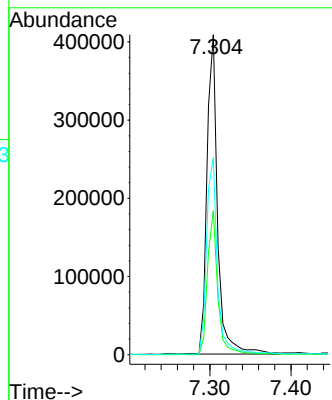
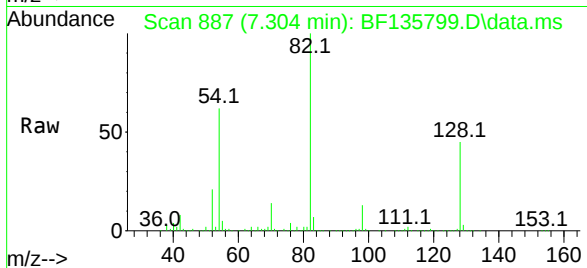
TR-05-101123

Tgt Ion: 82 Resp: 37002
Ion Ratio Lower Upper
82 100
128 45.0 37.0 55.6
54 61.6 52.8 79.2

Manual Integrations

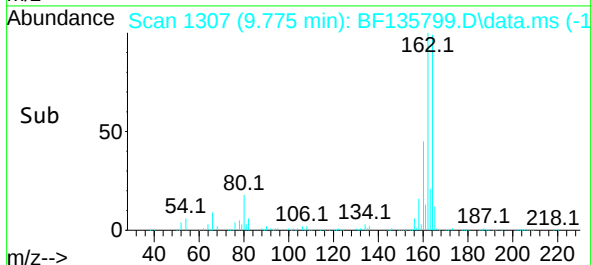
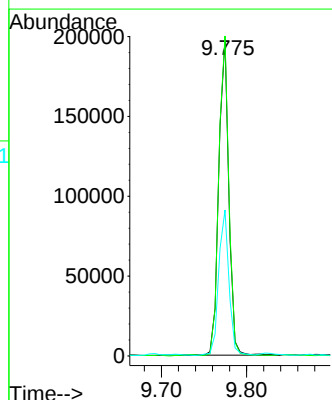
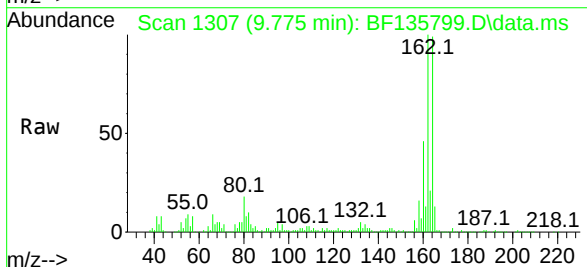
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:164 Resp: 161890
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 46.1 36.6 54.8





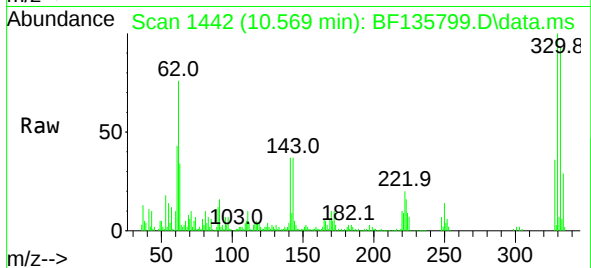
#42
2,4,6-Tribromophenol
Concen: 70.108 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123



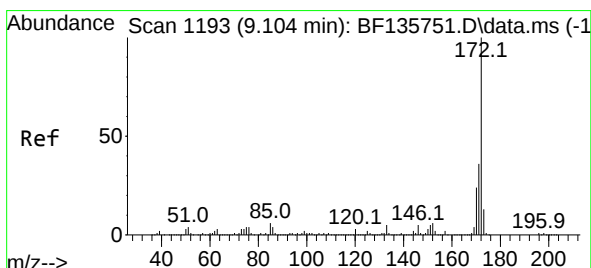
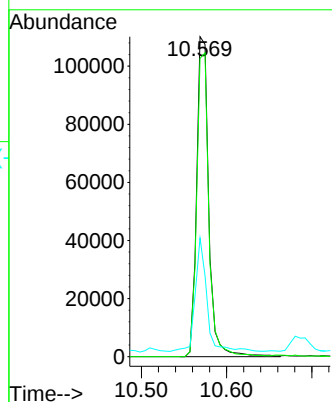
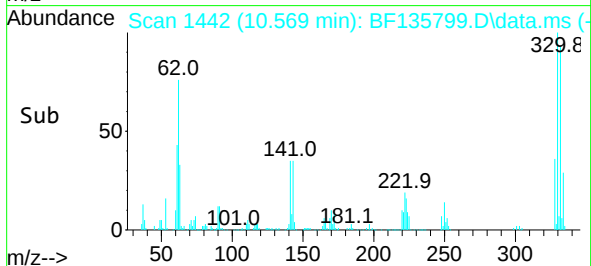
Tgt Ion:330 Resp: 108910
Ion Ratio Lower Upper
330 100
332 95.2 75.0 112.4
141 33.7 25.8 38.6

Manual Integrations

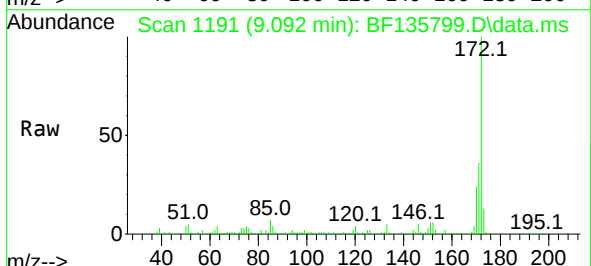
APPROVED

Reviewed By :Yogesh Patel 10/17/2023

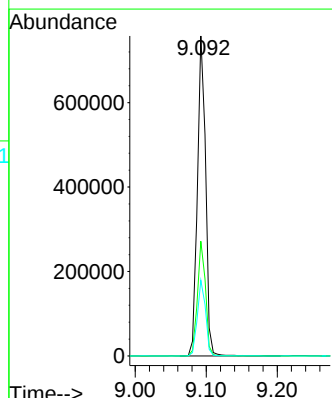
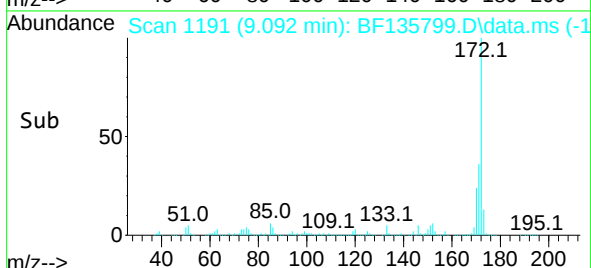
Supervised By :mohammad ahmed 10/18/2023

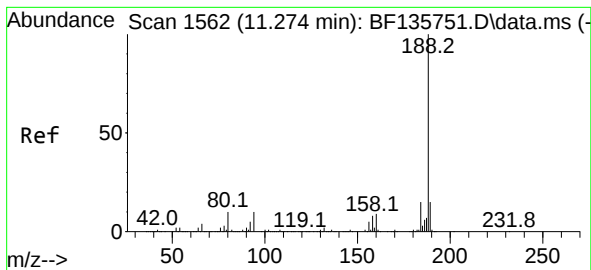


#45
2-Fluorobiphenyl
Concen: 59.105 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59



Tgt Ion:172 Resp: 611986
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.7 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

Tgt Ion:188 Resp: 27980

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

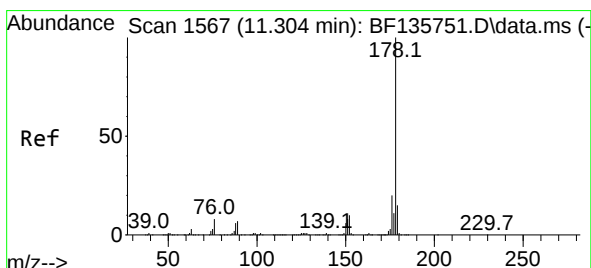
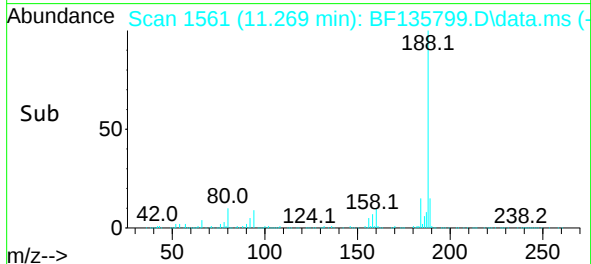
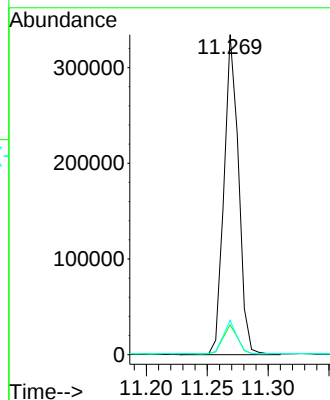
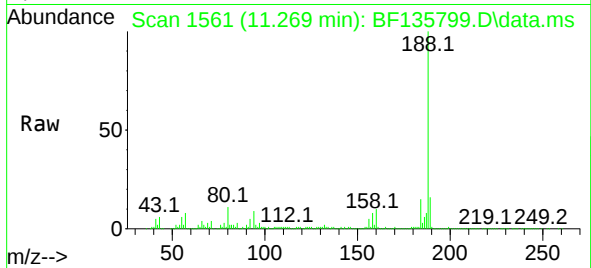
80 10.8 8.3 12.5

Manual Integrations

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#71

Phenanthrene

Concen: 7.261 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

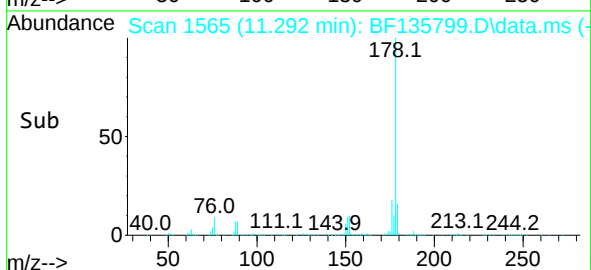
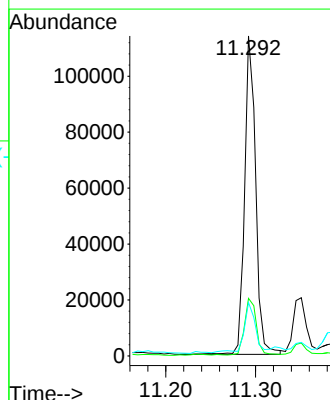
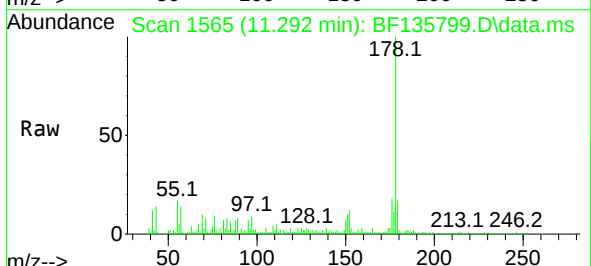
Tgt Ion:178 Resp: 97326

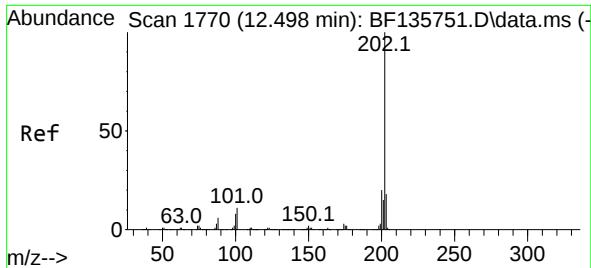
Ion Ratio Lower Upper

178 100

176 18.0 16.0 24.0

179 16.7 12.2 18.4





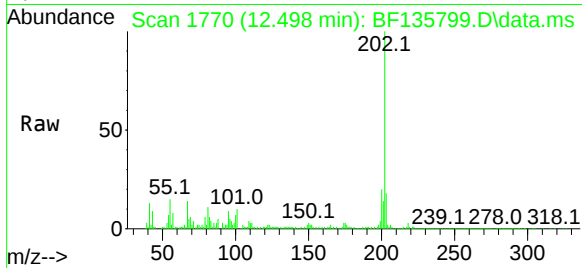
#75
Fluoranthene
Concen: 15.663 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123



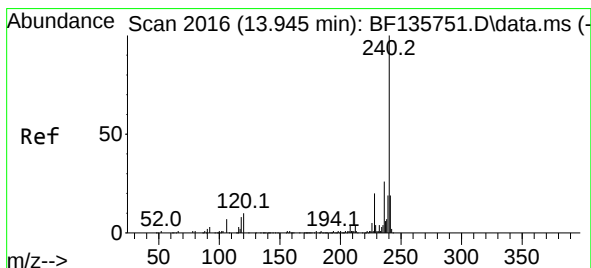
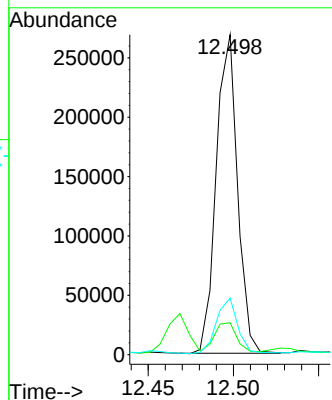
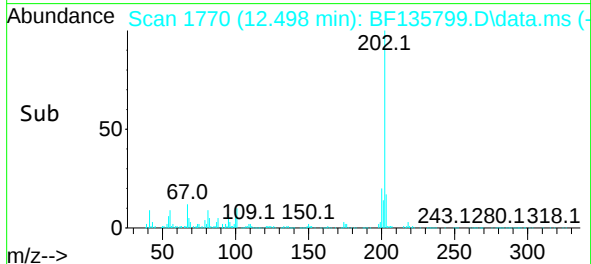
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Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.5
203 17.7 0.0 38.3

Manual Integrations

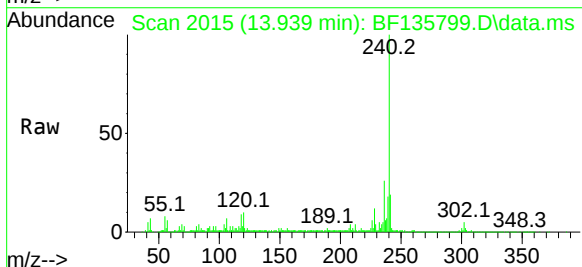
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Reviewed By :Yogesh Patel 10/17/2023

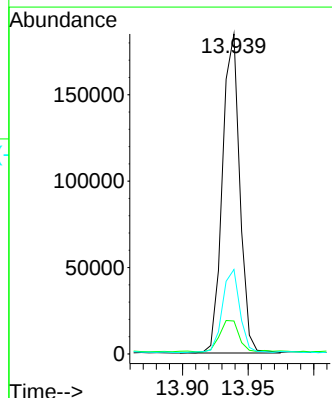
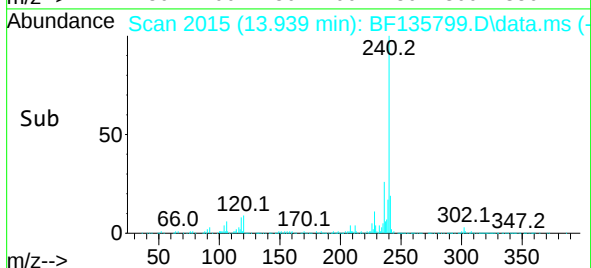
Supervised By :mohammad ahmed 10/18/2023

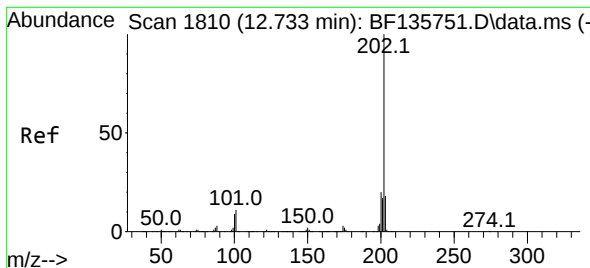


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59



Tgt Ion:240 Resp: 169642
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 26.4 21.2 31.8





#78

Pyrene

Concen: 19.842 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

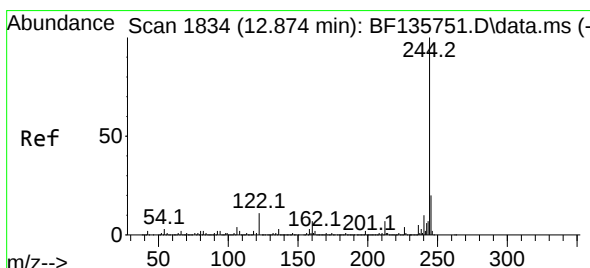
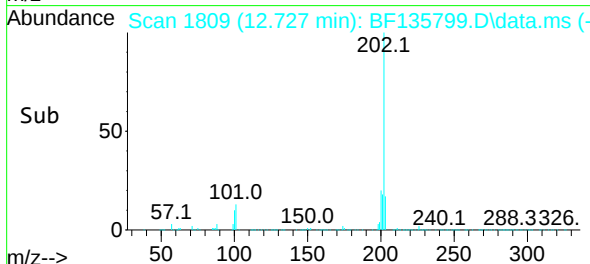
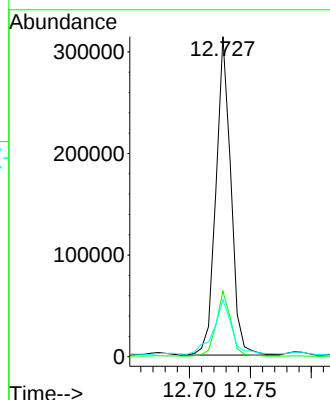
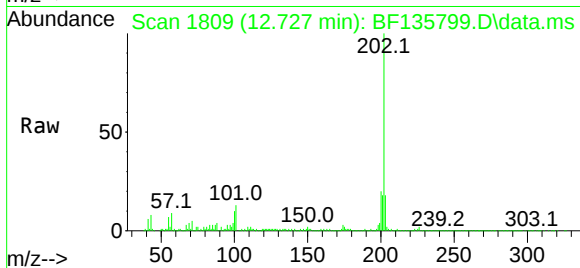
TR-05-101123

Tgt Ion:202 Resp: 267479
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.1 24.1
 203 17.8 14.2 21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 59.813 ng

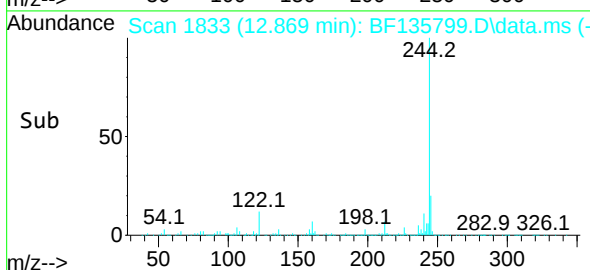
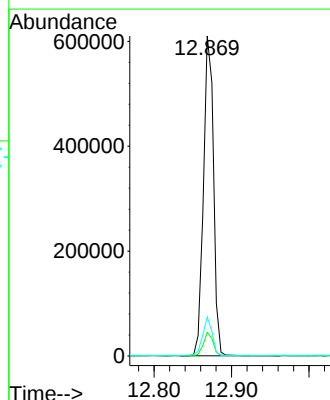
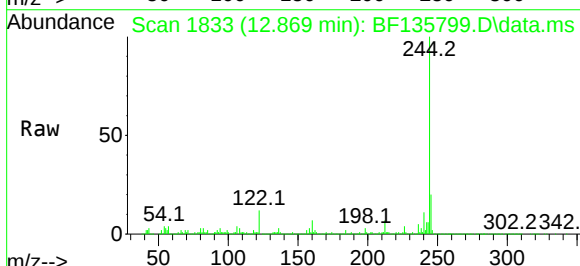
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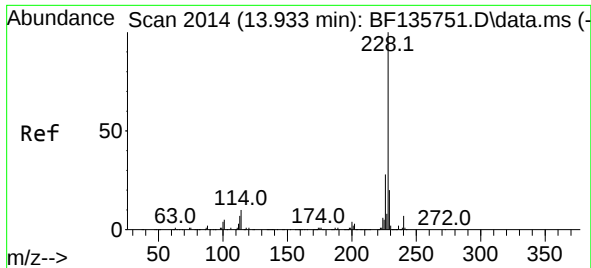
Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Tgt Ion:244 Resp: 547908
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 12.2 9.0 13.6





#81
Benzo(a)anthracene
Concen: 10.904 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

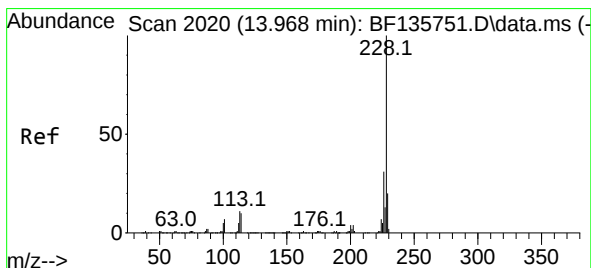
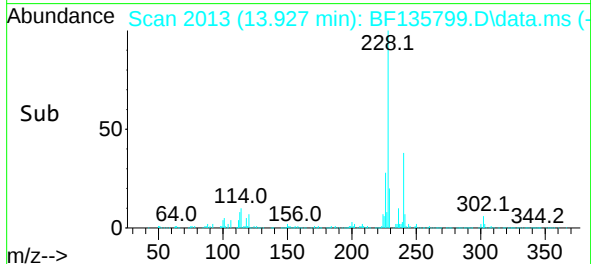
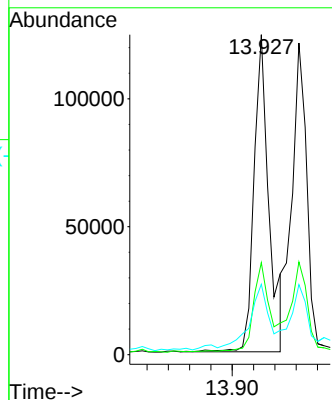
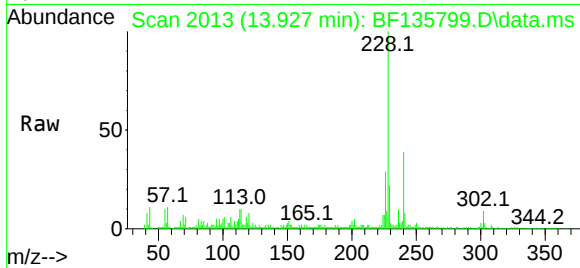
ClientSampleId :

TR-05-101123

Tgt Ion:228 Resp: 12150
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.2
229 22.0 16.1 24.1

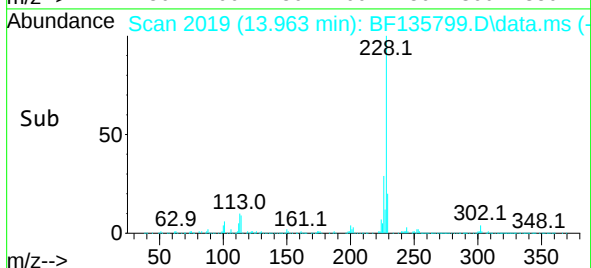
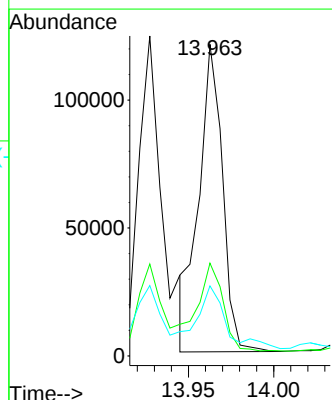
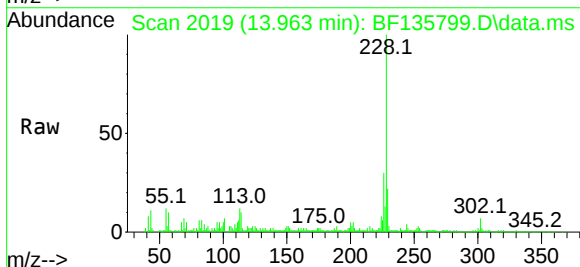
Manual Integrations
APPROVED

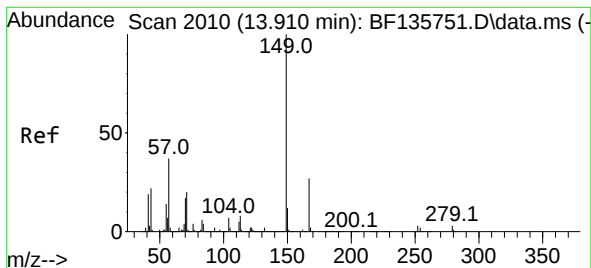
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 10.769 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:228 Resp: 116225
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 22.5 15.7 23.5





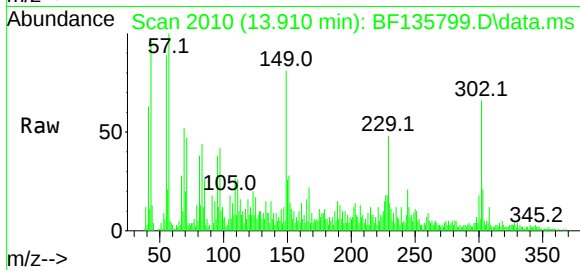
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.121 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123



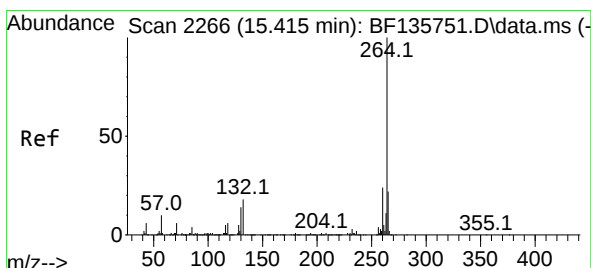
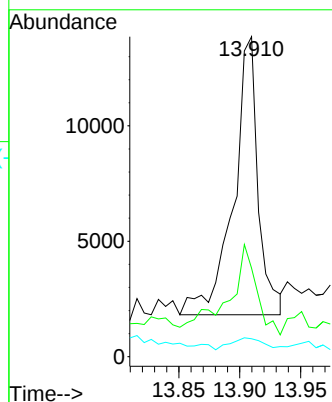
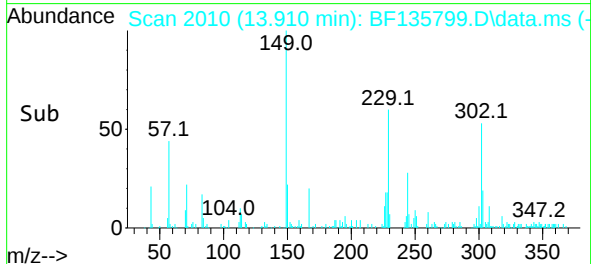
Tgt Ion:149 Resp: 17038
Ion Ratio Lower Upper
149 100
167 27.7 21.3 31.9
279 5.6 2.7 4.1

Manual Integrations

APPROVED

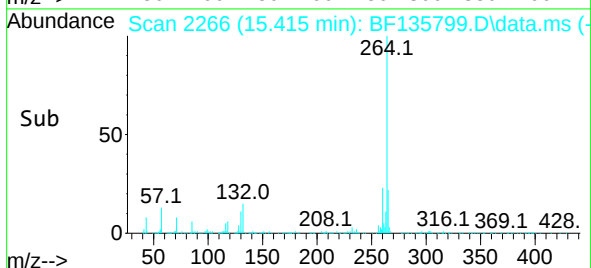
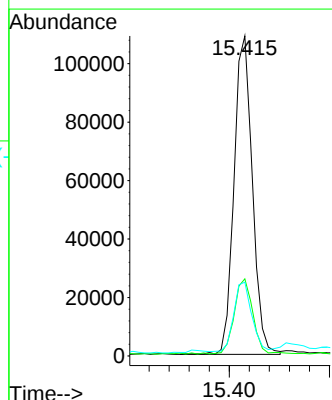
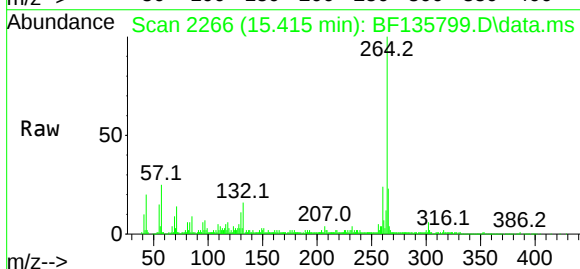
Reviewed By :Yogesh Patel 10/17/2023

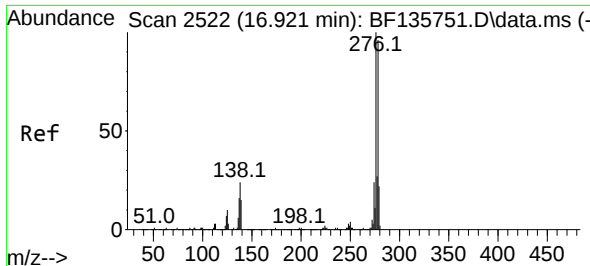
Supervised By :mohammad ahmed 10/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:264 Resp: 138482
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 23.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.674 ng
RT: 16.921 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

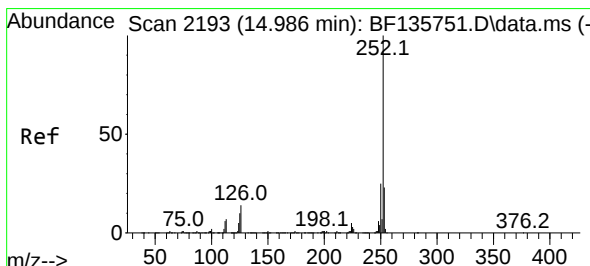
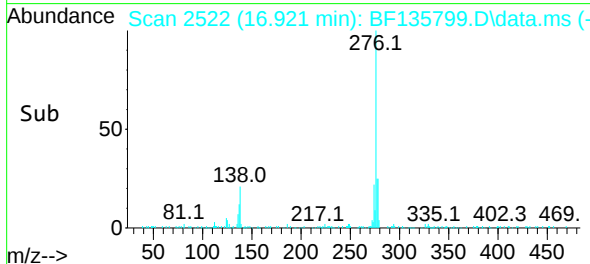
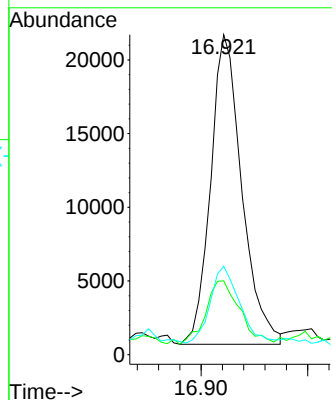
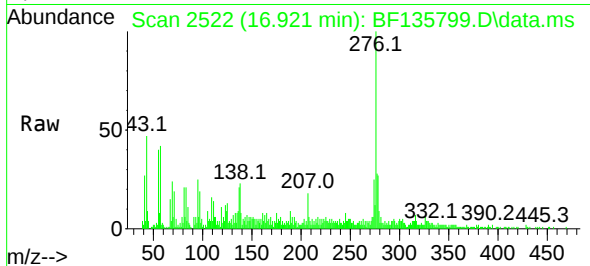
ClientSampleId :

TR-05-101123

Tgt Ion:276 Resp: 42810
Ion Ratio Lower Upper
276 100
138 21.9 19.8 29.6
277 23.2 20.2 30.4

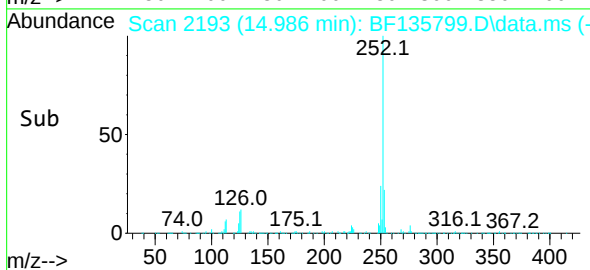
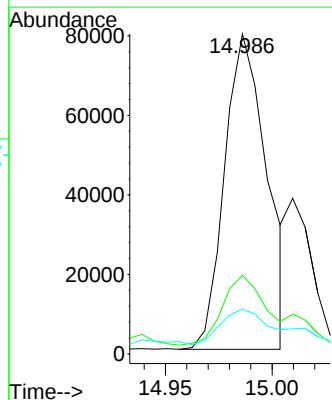
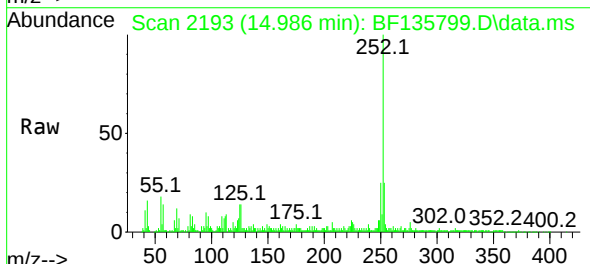
Manual Integrations
APPROVED

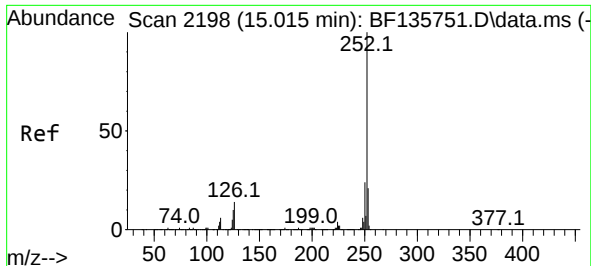
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#88
Benzo(b)fluoranthene
Concen: 14.109 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

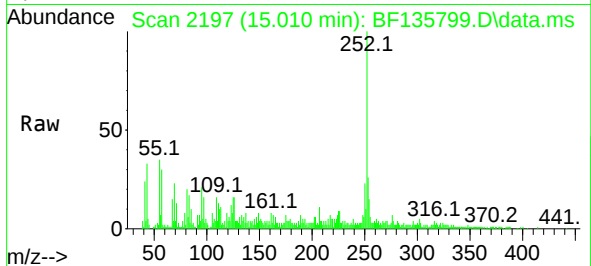
Tgt Ion:252 Resp: 109352
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 14.0 8.2 12.2#





#89
Benzo(k)fluoranthene
Concen: 4.136 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

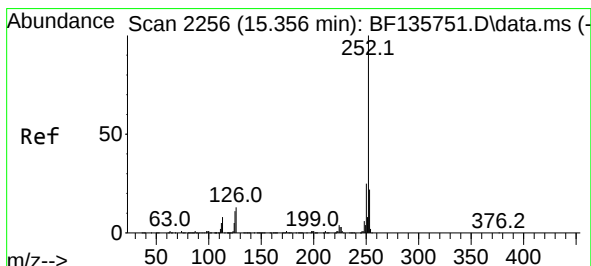
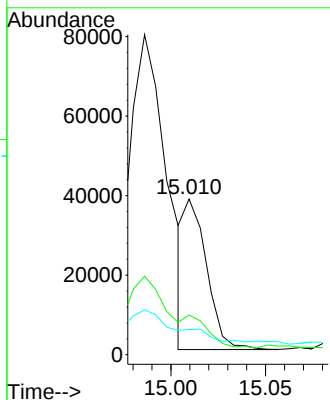
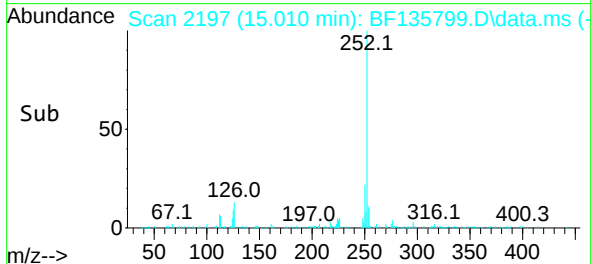
Instrument :
BNA_F
ClientSampleId :
TR-05-101123



Tgt Ion:252 Resp: 31124
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 16.2 8.3 12.5

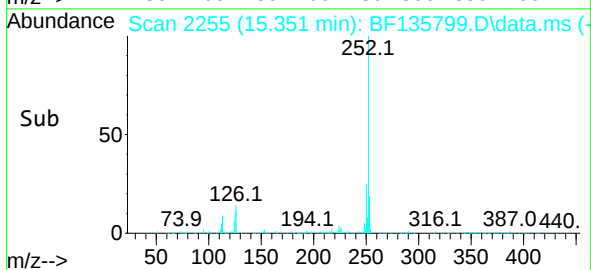
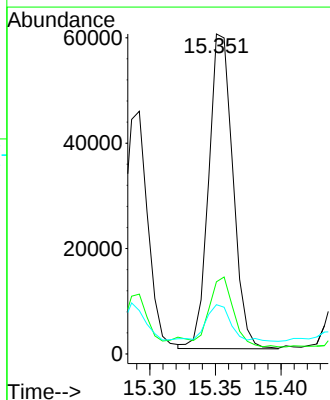
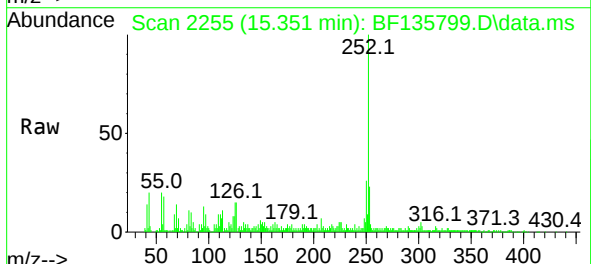
Manual Integrations
APPROVED

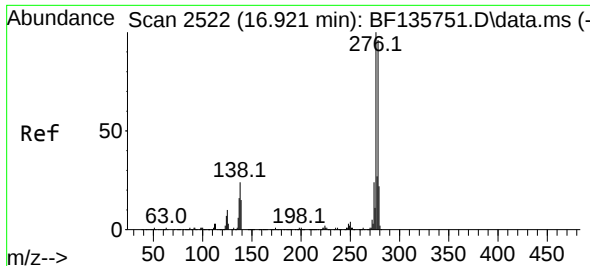
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#90
Benzo(a)pyrene
Concen: 10.540 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:252 Resp: 76817
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 15.4 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.038 ng
RT: 16.921 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

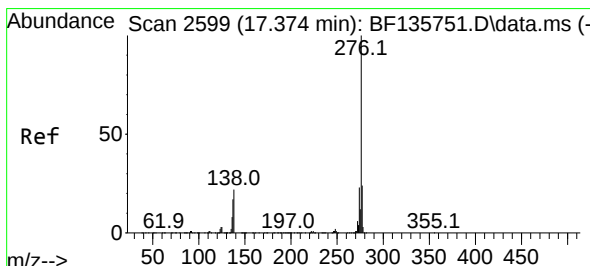
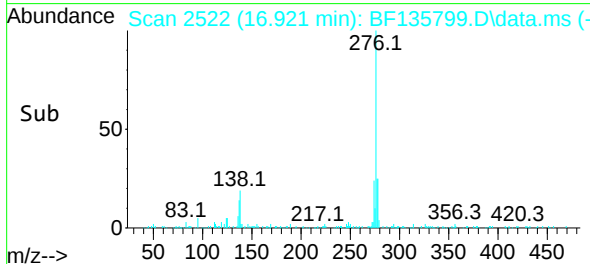
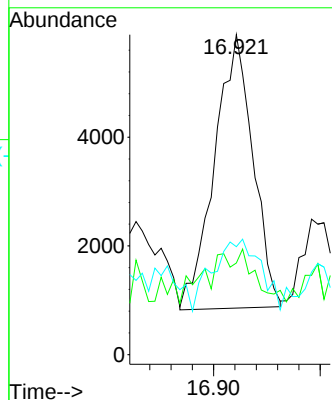
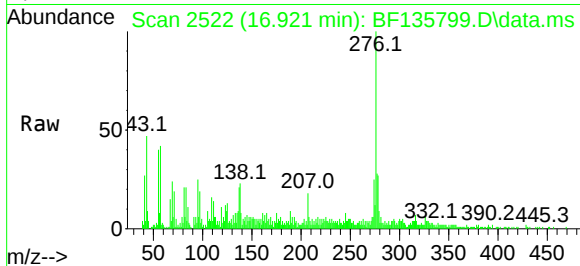
ClientSampleId :

TR-05-101123

Tgt Ion:278 Resp: 12608
Ion Ratio Lower Upper
278 100
139 28.6 12.5 18.7
279 33.8 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#92
Benzo(g,h,i)perylene
Concen: 6.380 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:276 Resp: 40538
Ion Ratio Lower Upper
276 100
277 26.2 19.4 29.2
138 24.4 17.3 25.9

