

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135635.D
 Acq On : 06 Oct 2023 18:25
 Operator : CG\JU
 Sample : 04736-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023
 Supervised By :mohammad ahmed 10/08/2023

Quant Time: Oct 07 01:50:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	157600	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	623629	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	310249	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	564715	20.000	ng	0.00
76) Chrysene-d12	13.927	240	307268	20.000	ng	0.00
86) Perylene-d12	15.398	264	325951	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	994188	102.601	ng	0.01
7) Phenol-d6	6.392	99	1269034	102.996	ng	0.00
23) Nitrobenzene-d5	7.304	82	797799	69.503	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	285348	92.552	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1287182	62.595	ng	0.00
79) Terphenyl-d14	12.863	244	1142883	57.659	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	73033	2.734	ng	98
75) Fluoranthene	12.492	202	173144	6.221	ng	100
78) Pyrene	12.721	202	165667	5.663	ng	98
81) Benzo(a)anthracene	13.915	228	85359	4.302	ng	98
83) Chrysene	13.957	228	123463	6.259	ng	98
84) Bis(2-ethylhexyl)phtha...	13.904	149	10651	1.008	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.886	276	35737	1.672	ng	97
88) Benzo(b)fluoranthene	14.974	252	125995m	7.141	ng	
90) Benzo(a)pyrene	15.339	252	67865	4.033	ng	98
92) Benzo(g,h,i)perylene	17.345	276	35008	1.917	ng	98

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

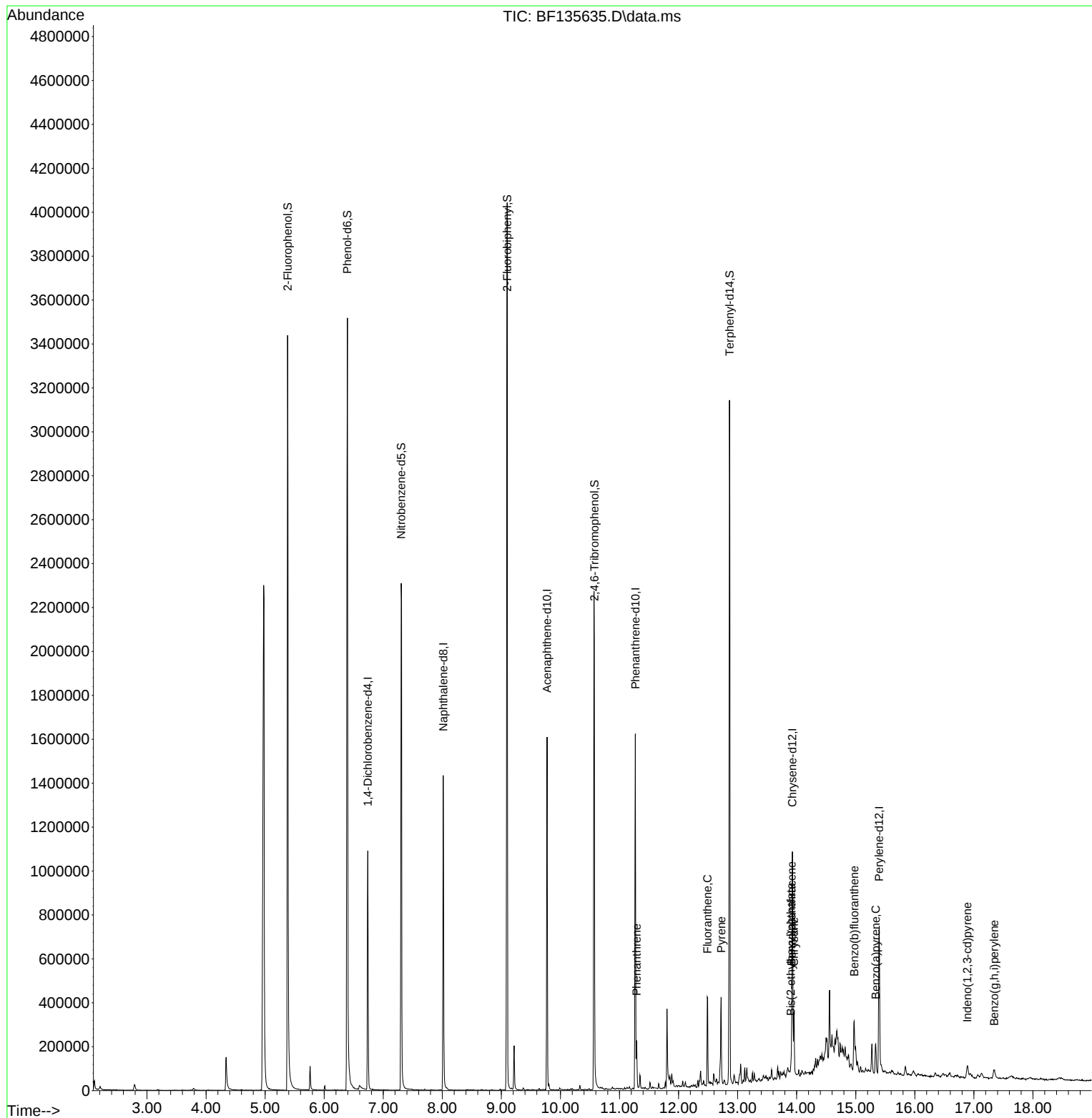
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
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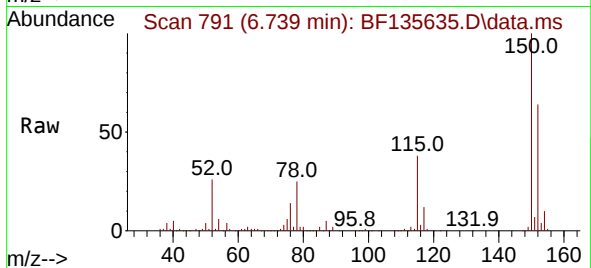
Quant Time: Oct 07 01:50:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

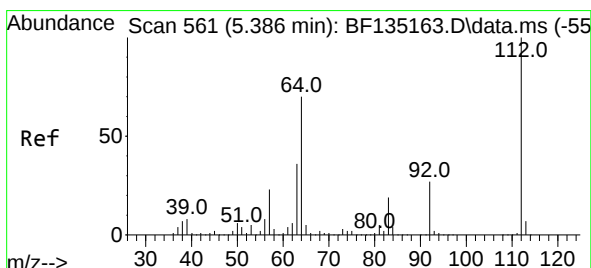
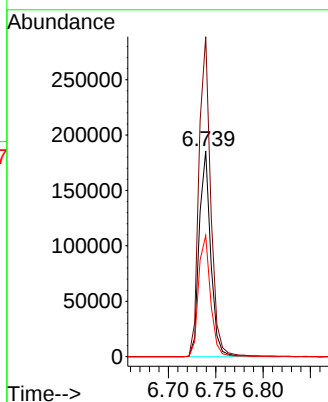
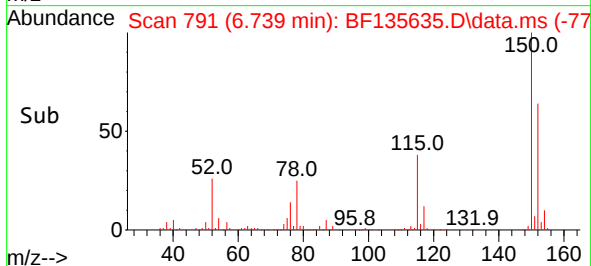
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:152 Resp: 157600
Ion Ratio Lower Upper
152 100
150 155.5 127.8 191.6
115 58.9 49.8 74.8

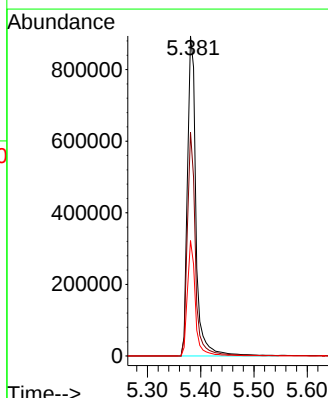
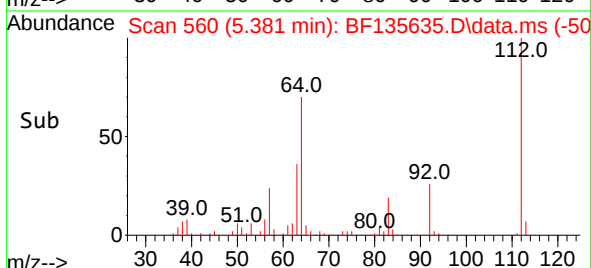
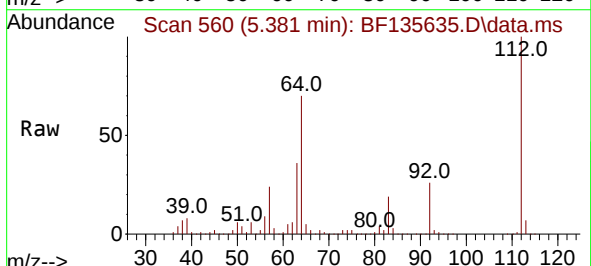
Manual Integrations
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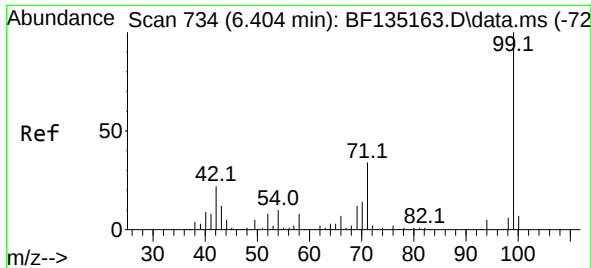
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#5
2-Fluorophenol
Concen: 102.601 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

Tgt Ion:112 Resp: 994188
Ion Ratio Lower Upper
112 100
64 69.8 55.9 83.9
63 36.0 29.0 43.6





#7

Phenol-d6

Concen: 102.996 ng

RT: 6.392 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion: 99 Resp: 1269034

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

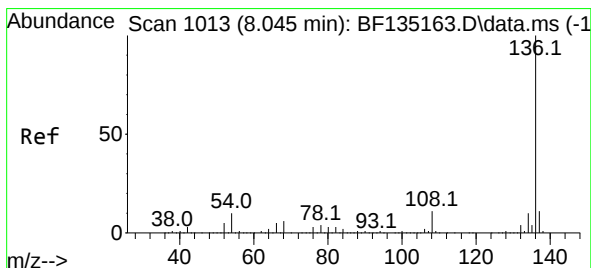
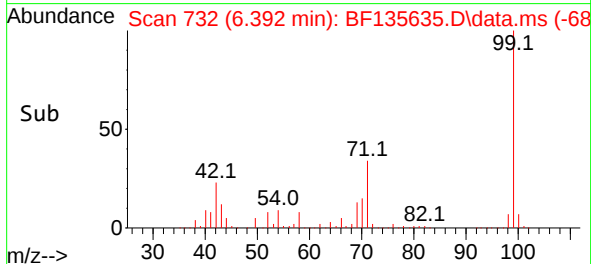
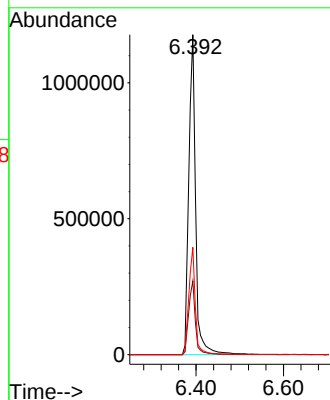
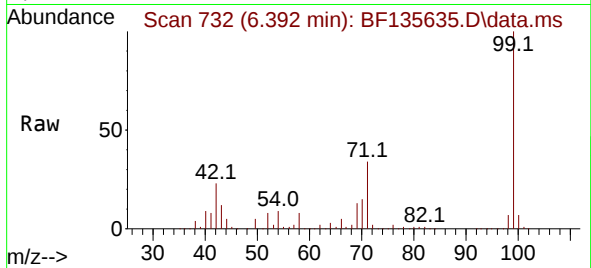
71 33.5 27.0 40.6

Manual Integrations

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Supervised By :mohammad ahmed 10/08/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Tgt Ion:136 Resp: 623629

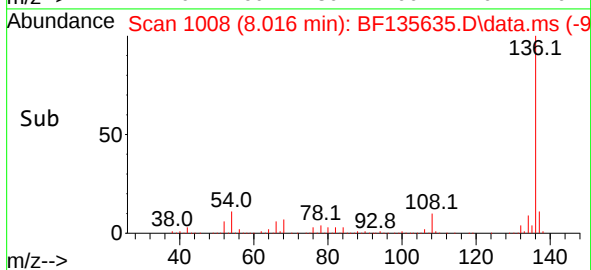
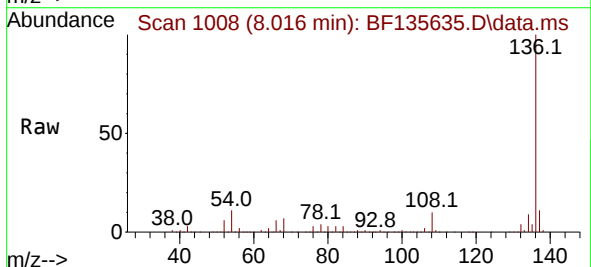
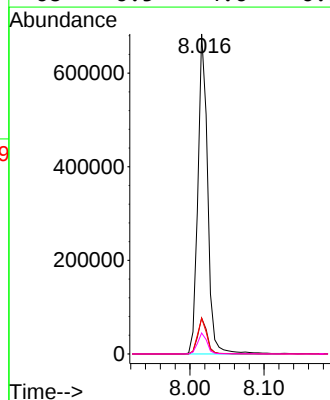
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 11.2 7.7 11.5

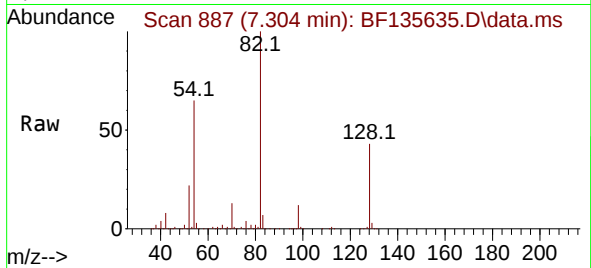
68 6.5 4.6 6.8





#23
Nitrobenzene-d5
Concen: 69.503 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

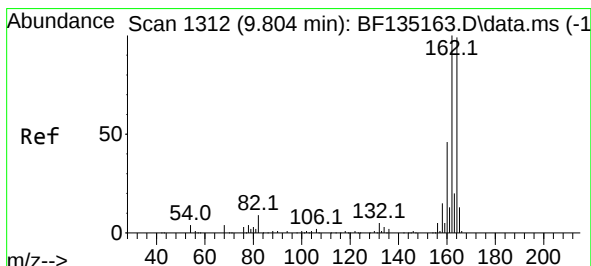
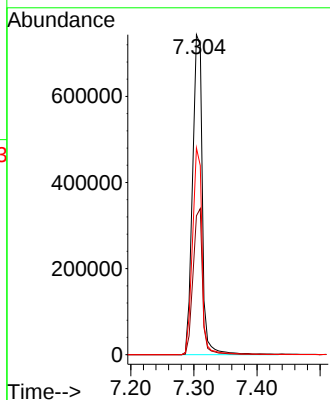
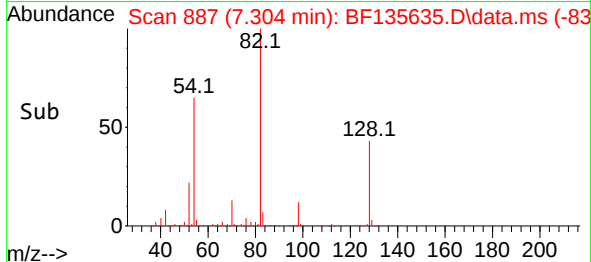
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion: 82 Resp: 797799
Ion Ratio Lower Upper
82 100
128 43.4 35.8 53.6
54 64.6 50.6 76.0

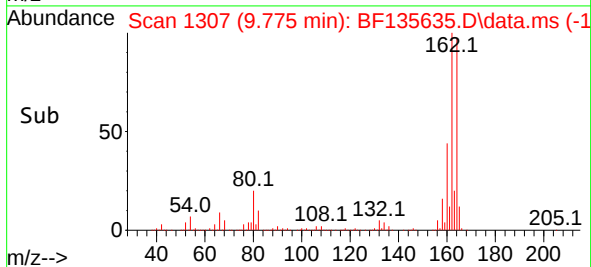
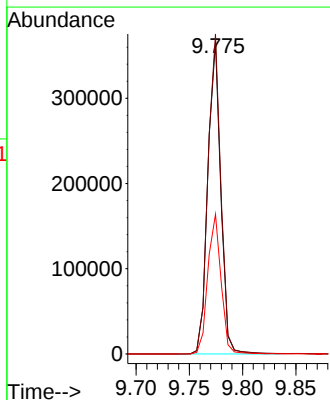
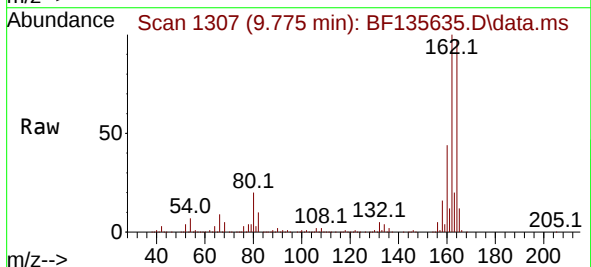
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Supervised By :mohammad ahmed 10/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

Tgt Ion:164 Resp: 310249
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.4
160 44.8 37.0 55.4





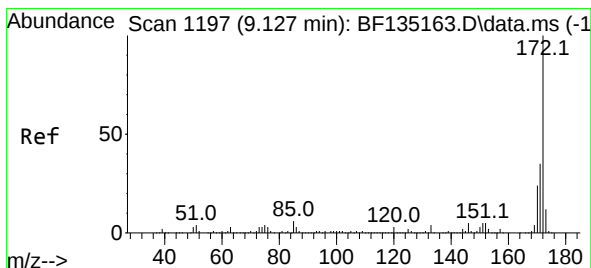
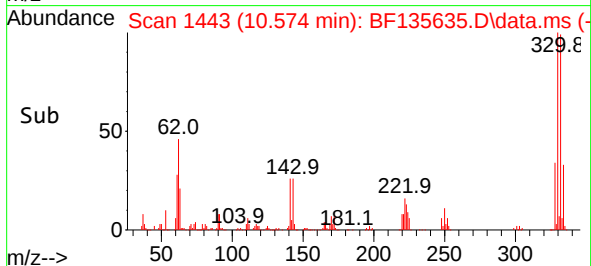
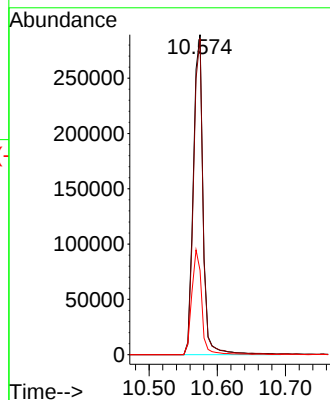
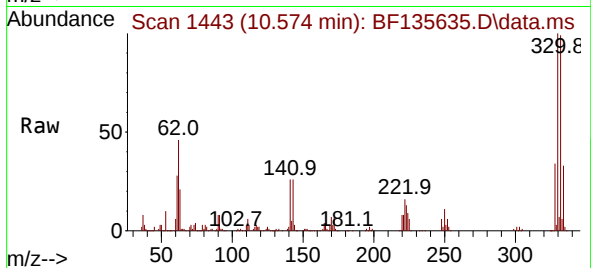
#42
2,4,6-Tribromophenol
Concen: 92.552 ng
RT: 10.574 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

Instrument :
BNA_F
ClientSampleId :
72-11991

Tgt Ion: 330 Resp: 285348
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.4 25.8 38.8

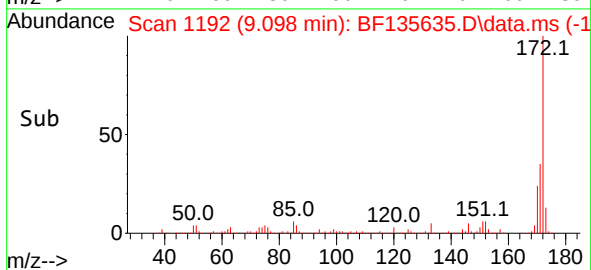
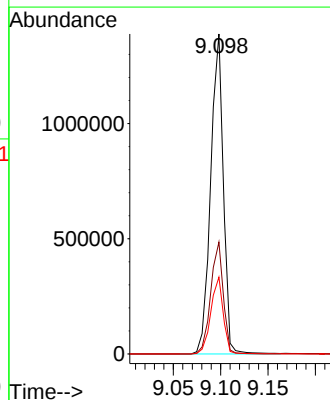
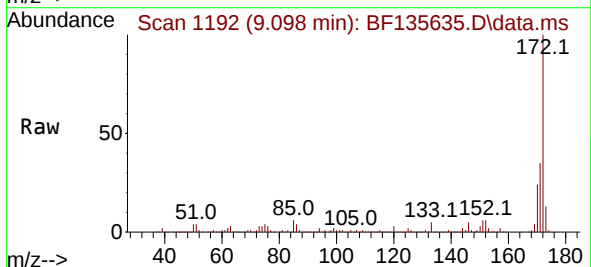
Manual Integrations
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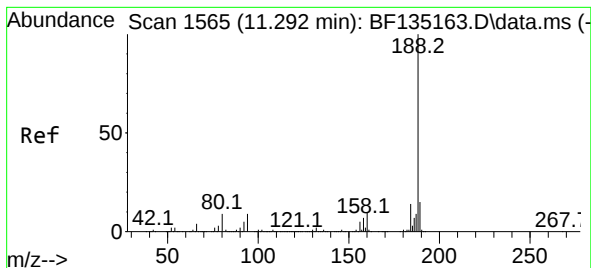
Reviewed By : Yogesh Patel 10/08/2023
Supervised By : mohammad ahmed 10/08/2023



#45
2-Fluorobiphenyl
Concen: 62.595 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

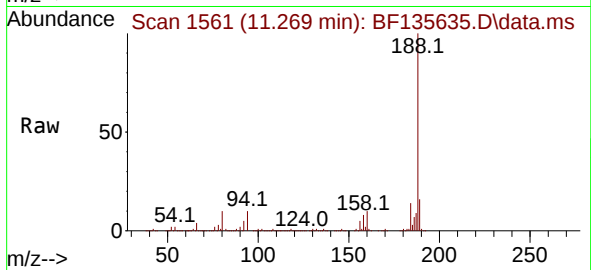
Tgt Ion: 172 Resp: 1287182
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

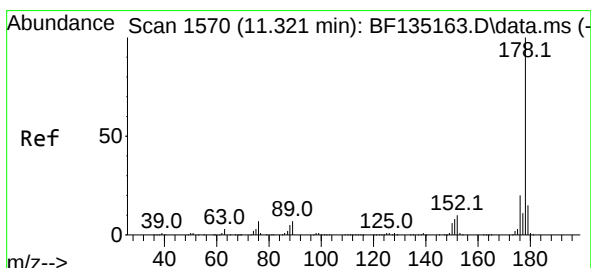
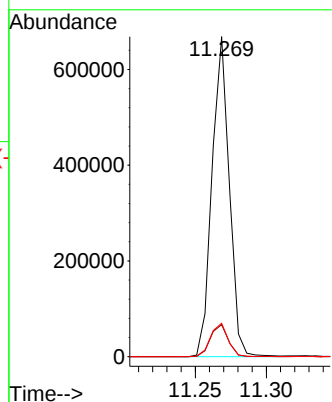
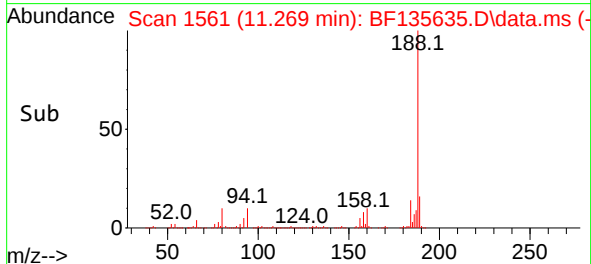
Instrument :
BNA_F
ClientSampleId :
72-11991



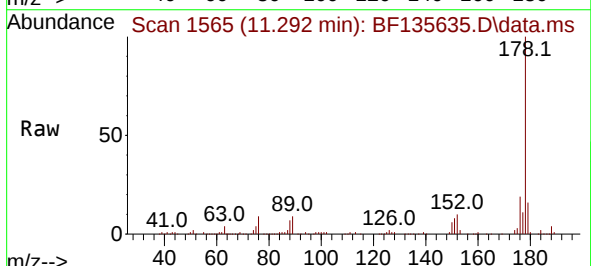
Tgt Ion:188 Resp: 564711
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.4 7.5 11.3

Manual Integrations
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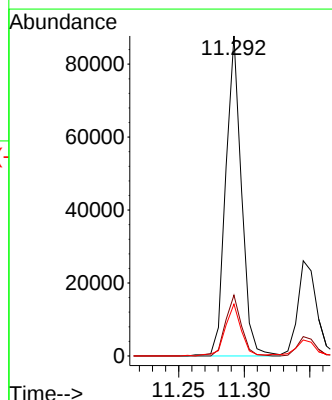
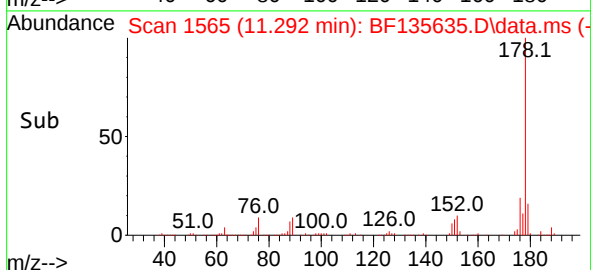
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023

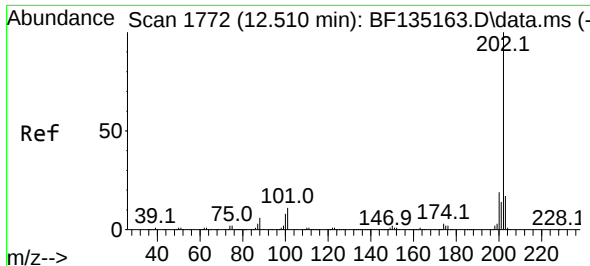


#71
Phenanthrene
Concen: 2.734 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25



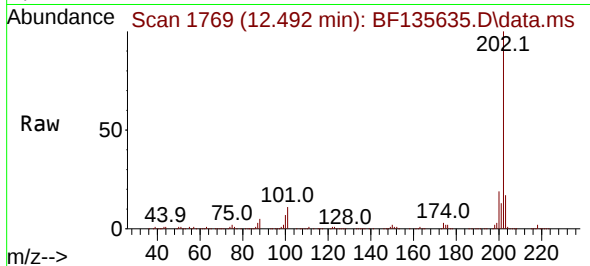
Tgt Ion:178 Resp: 73033
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 16.2 12.0 18.0





#75
Fluoranthene
Concen: 6.221 ng
RT: 12.492 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

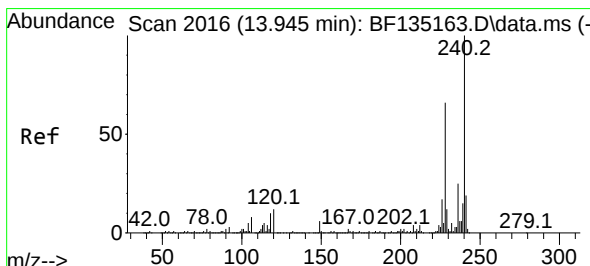
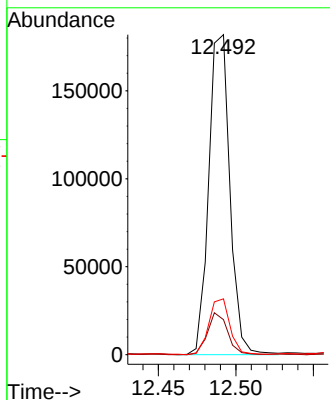
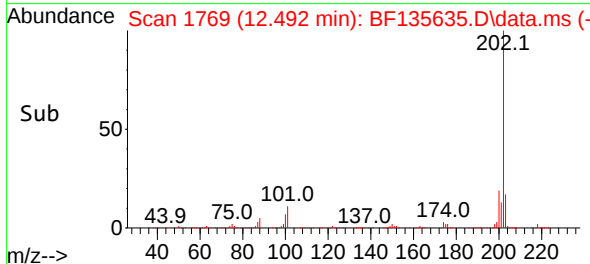
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:202 Resp: 173144
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.5 0.0 37.4

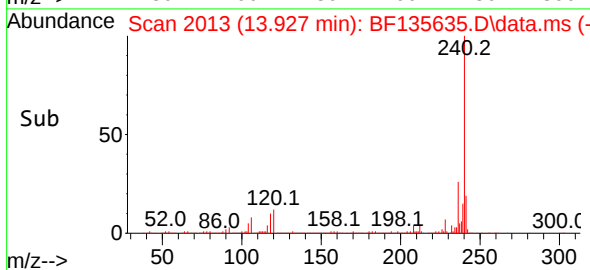
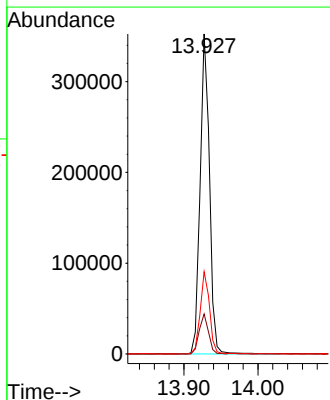
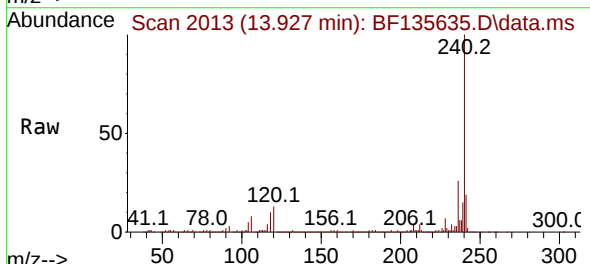
Manual Integrations
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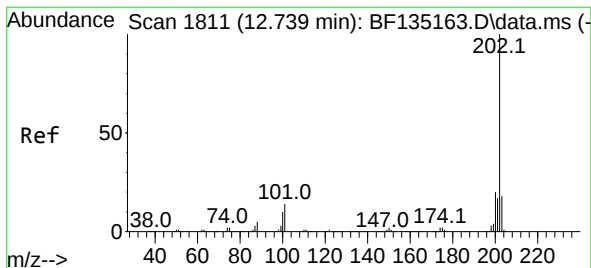
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

Tgt Ion:240 Resp: 307268
Ion Ratio Lower Upper
240 100
120 12.5 9.4 14.2
236 25.7 19.8 29.8





#78

Pyrene

Concen: 5.663 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Instrument :

BNA_F

ClientSampleId :

72-11991

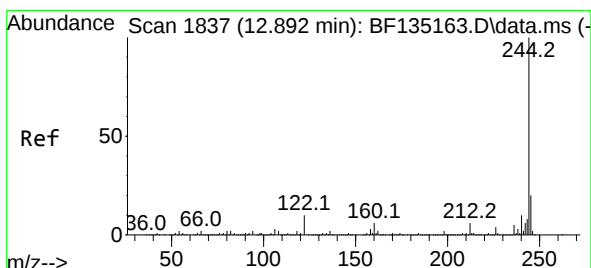
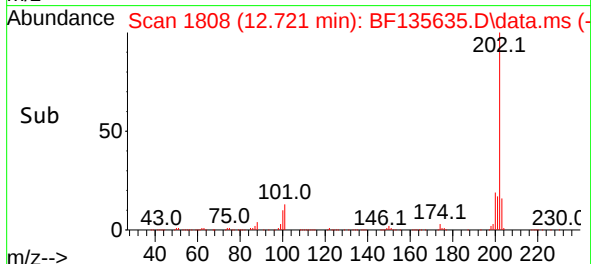
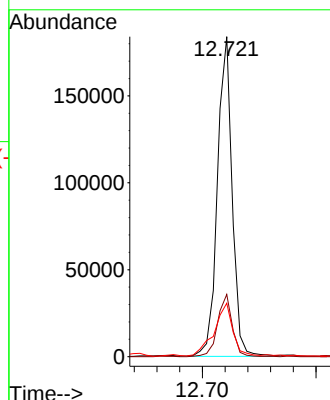
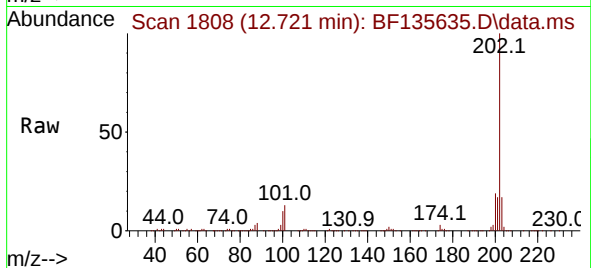
Tgt Ion:	202	Resp:	16566
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.2	24.2
203	16.7	14.2	21.4

Manual Integrations

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Supervised By :mohammad ahmed 10/08/2023



#79

Terphenyl-d14

Concen: 57.659 ng

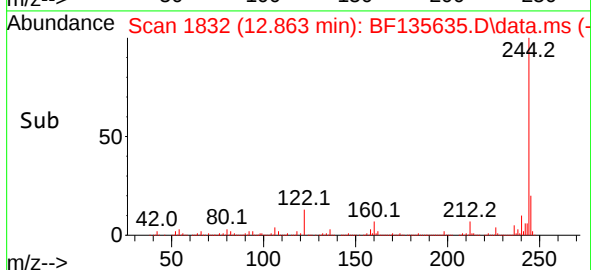
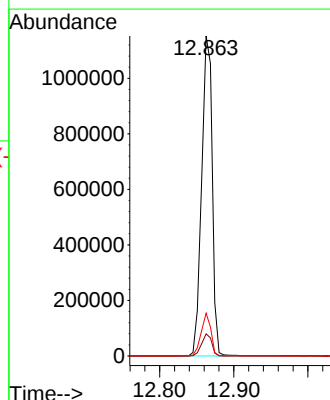
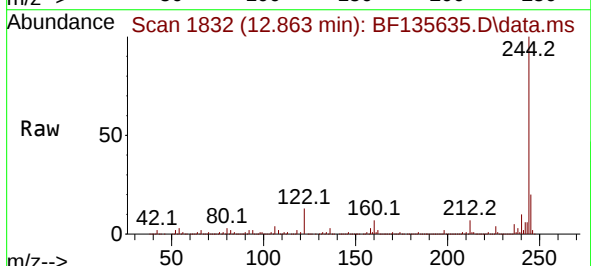
RT: 12.863 min Scan# 1832

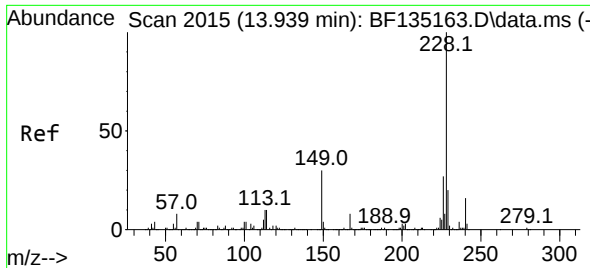
Delta R.T. 0.000 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Tgt Ion:	244	Resp:	1142883
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.1	7.7
122	13.3	7.9	11.9





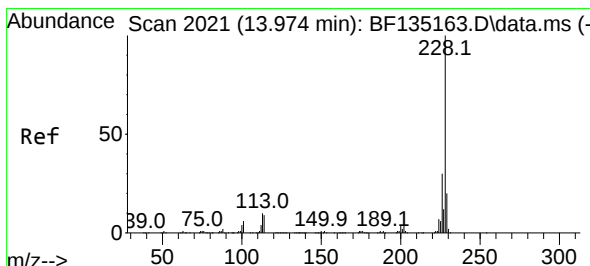
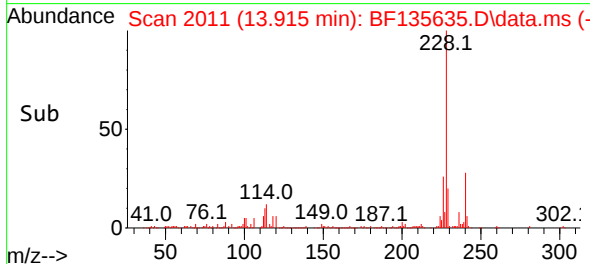
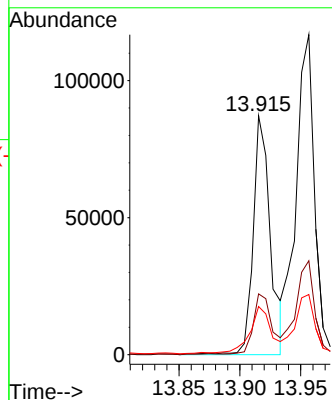
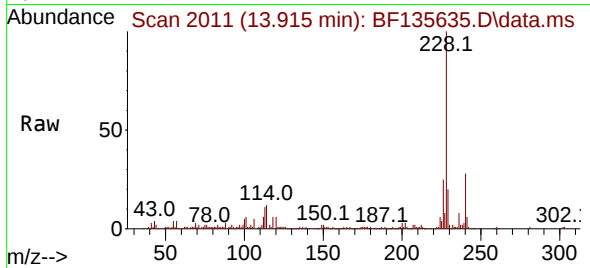
#81
Benzo(a)anthracene
Concen: 4.302 ng
RT: 13.915 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

Instrument :
BNA_F
Client Sample Id :
72-11991

Tgt Ion:228 Resp: 85359
Ion Ratio Lower Upper
228 100
226 25.5 21.7 32.5
229 20.1 15.8 23.8

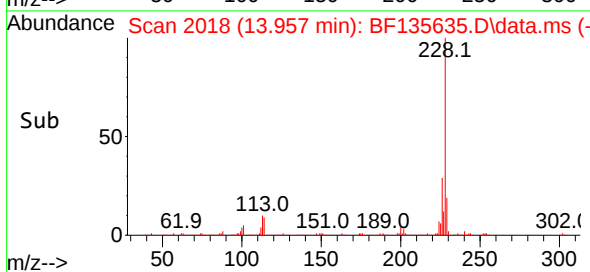
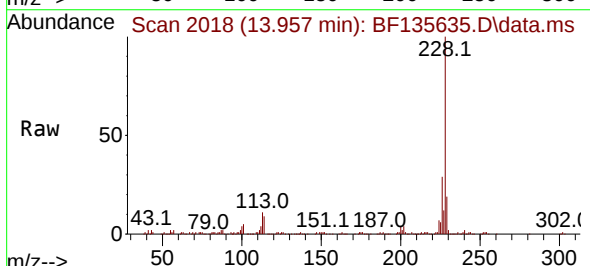
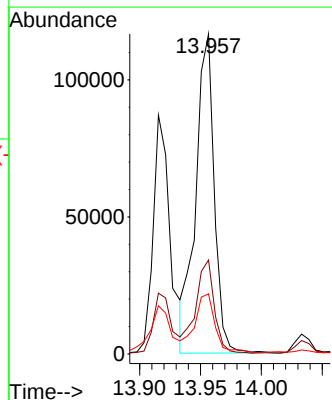
Manual Integrations
APPROVED

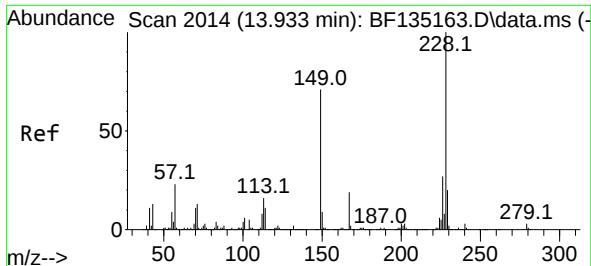
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#83
Chrysene
Concen: 6.259 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

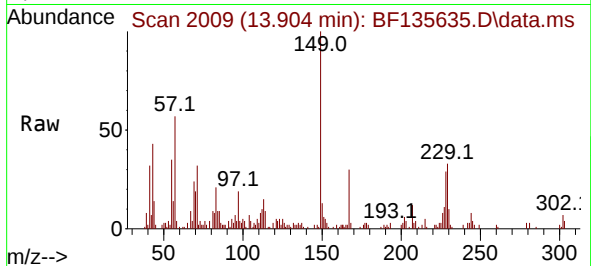
Tgt Ion:228 Resp: 123463
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 18.8 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 1.008 ng
RT: 13.904 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

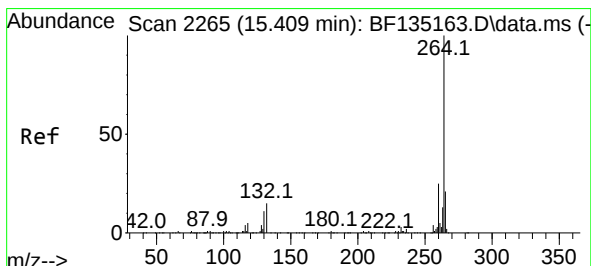
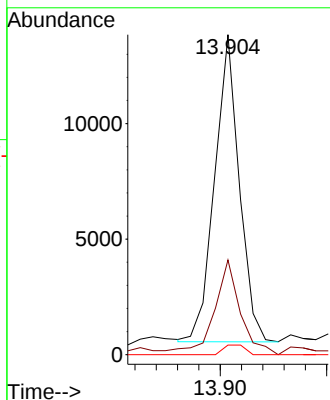
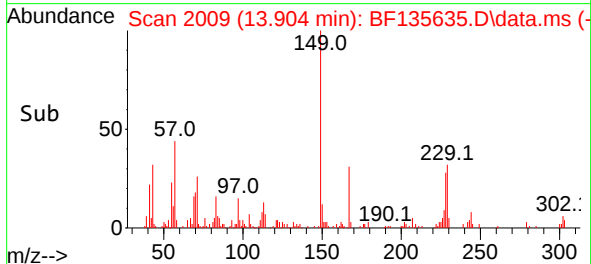
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:149 Resp: 1065
Ion Ratio Lower Upper
149 100
167 29.6 21.9 32.9
279 3.0 3.3 4.9

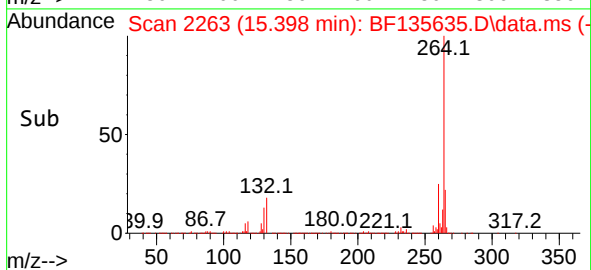
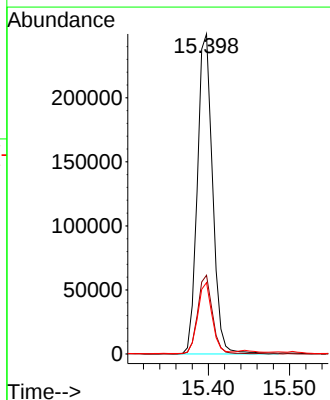
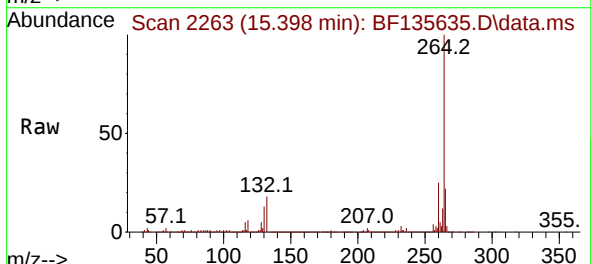
Manual Integrations
APPROVED

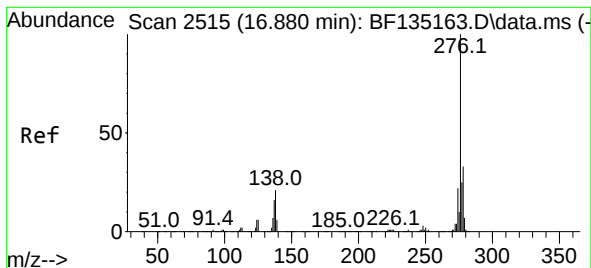
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF135635.D
Acq: 06 Oct 2023 18:25

Tgt Ion:264 Resp: 325951
Ion Ratio Lower Upper
264 100
260 24.6 19.8 29.6
265 22.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 1.672 ng

RT: 16.886 min Scan# 211

Delta R.T. 0.018 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Instrument :

BNA_F

ClientSampleId :

72-11991

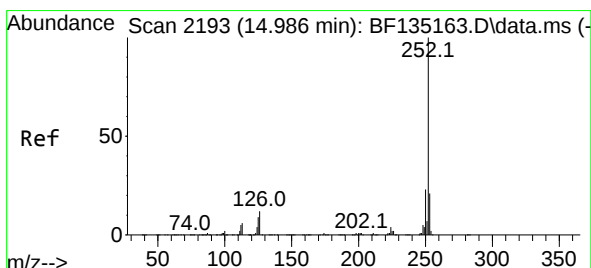
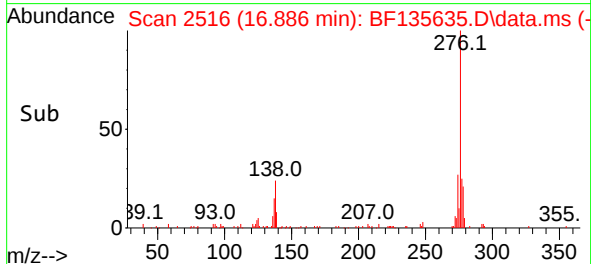
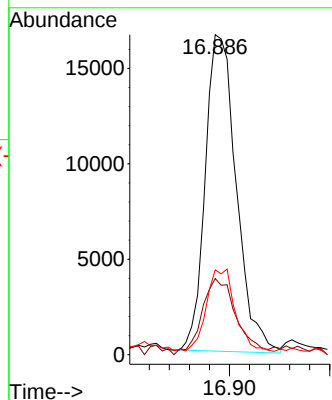
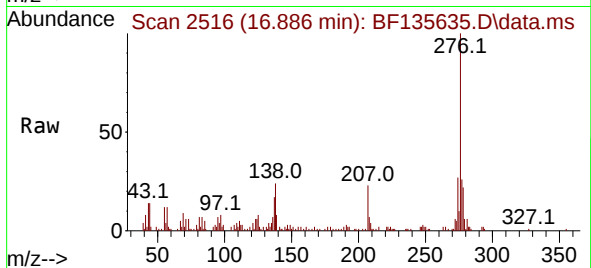
Tgt Ion:276 Resp: 3573
 Ion Ratio Lower Upper
 276 100
 138 26.7 19.2 28.8
 277 24.2 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/08/2023

Supervised By :mohammad ahmed 10/08/2023



#88

Benzo(b)fluoranthene

Concen: 7.141 ng m

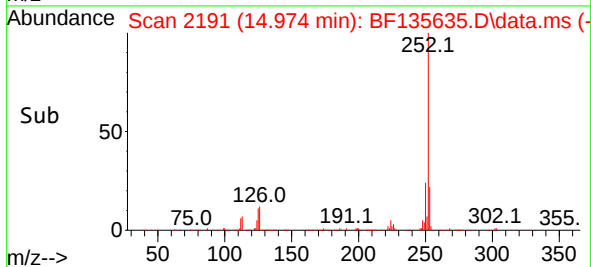
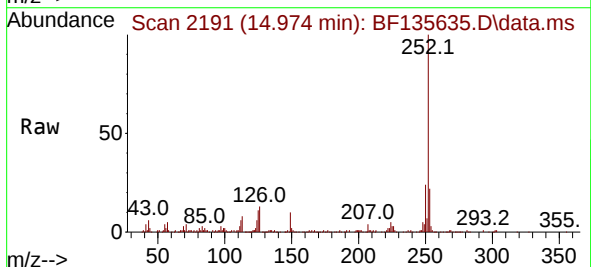
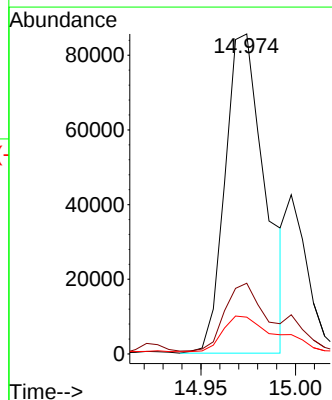
RT: 14.974 min Scan# 2191

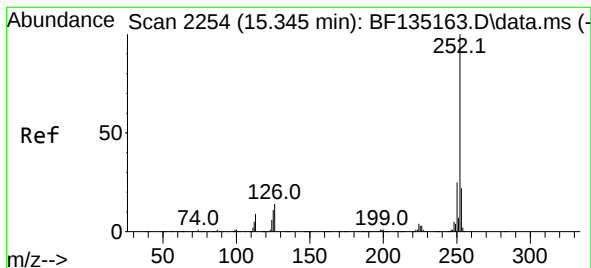
Delta R.T. 0.012 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Tgt Ion:252 Resp: 125995
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.2 25.8
 125 11.5 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 4.033 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Instrument :

BNA_F

ClientSampleId :

72-11991

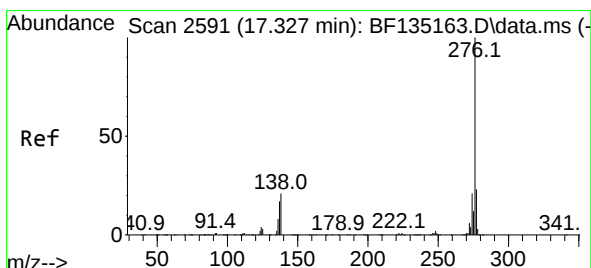
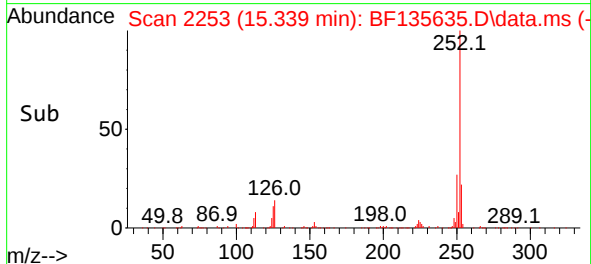
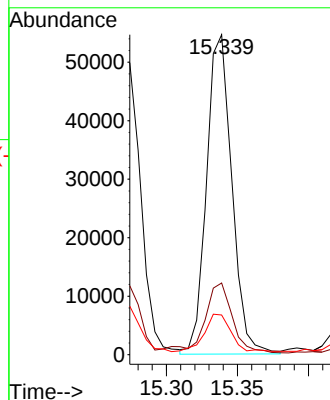
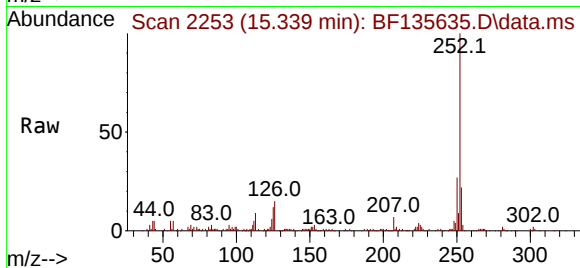
Tgt Ion:	252	Resp:	6786
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	12.4	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/08/2023

Supervised By :mohammad ahmed 10/08/2023



#92

Benzo(g,h,i)perylene

Concen: 1.917 ng

RT: 17.345 min Scan# 2594

Delta R.T. 0.029 min

Lab File: BF135635.D

Acq: 06 Oct 2023 18:25

Tgt Ion:	276	Resp:	35008
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.8	28.2
138	23.0	16.9	25.3

