

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135455.D
 Acq On : 26 Sep 2023 16:25
 Operator : CG\JU
 Sample : 04531-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
ClientSampleId :
 TP-A

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 27 02:14:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 26 01:36:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	179289	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	680830	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	320267	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	533282	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	321362	20.000	ng	0.00
86) Perylene-d12	15.404	264	389048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1086490	98.563	ng	0.01
7) Phenol-d6	6.404	99	1391186	99.251	ng	0.00
23) Nitrobenzene-d5	7.322	82	857998	68.467	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	259235	81.452	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1342669	63.251	ng	0.00
79) Terphenyl-d14	12.874	244	984629	47.497	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	145335	5.762	ng	98
75) Fluoranthene	12.498	202	210606	8.014	ng	97
78) Pyrene	12.727	202	184394	6.027	ng	99
81) Benzo(a)anthracene	13.927	228	105298	5.074	ng	97
83) Chrysene	13.963	228	86058	4.171	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	64758	2.539	ng	97
88) Benzo(b)fluoranthene	14.980	252	186623m	8.861	ng	
89) Benzo(k)fluoranthene	15.004	252	49540m	2.381	ng	
90) Benzo(a)pyrene	15.345	252	132014	6.573	ng	97
92) Benzo(g,h,i)perylene	17.333	276	56172m	2.577	ng	

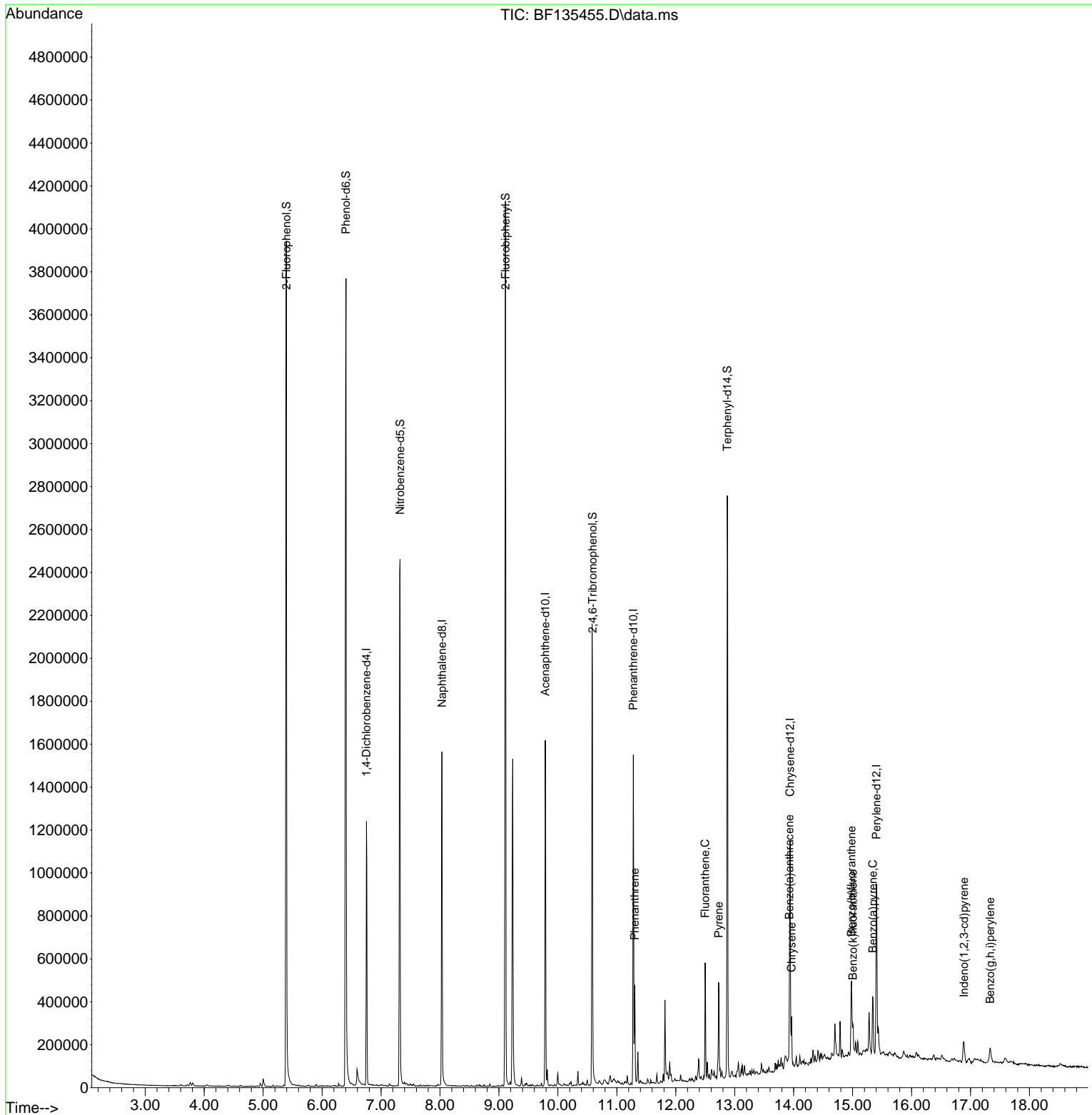
(#) = qualifier out of range (m) = manual integration (+) = signals summed

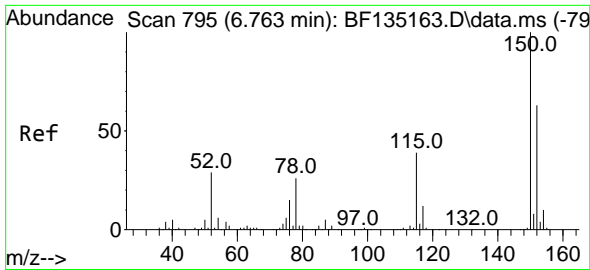
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
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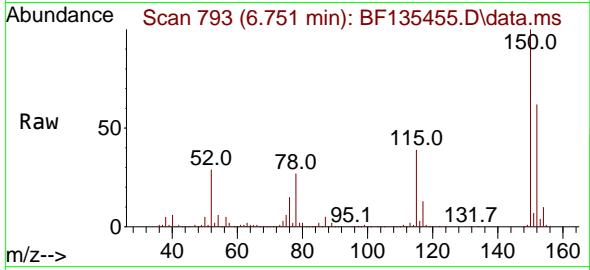
Manual Integrations
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 Supervised By :mohammad ahmed 09/29/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.751 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

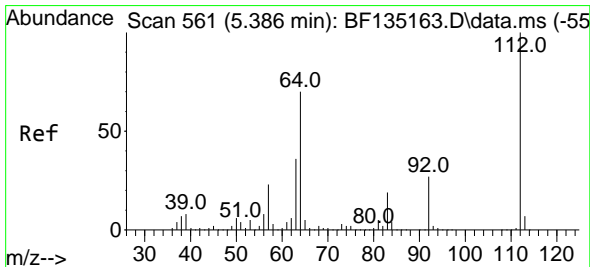
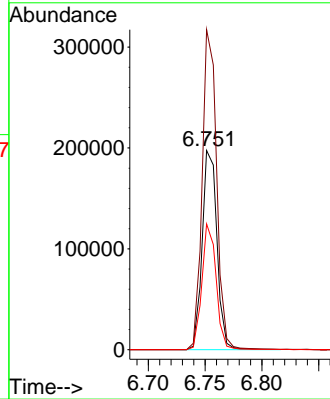
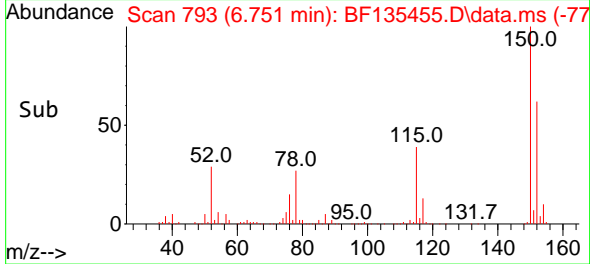
Instrument :
 BNA_F
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 TP-A



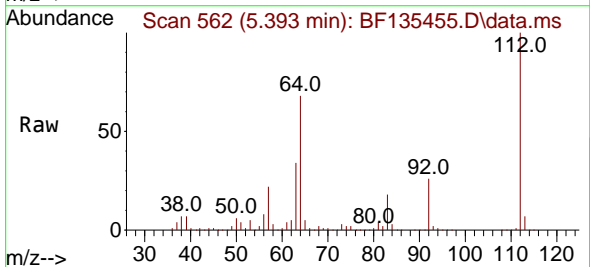
Tgt Ion:152 Resp: 179289
 Ion Ratio Lower Upper
 152 100
 150 160.6 127.8 191.6
 115 63.2 49.8 74.8

Manual Integrations
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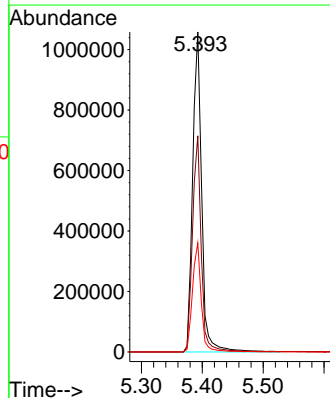
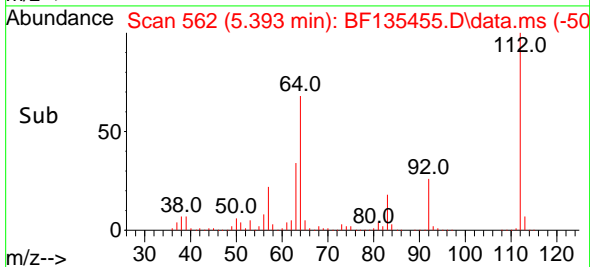
Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

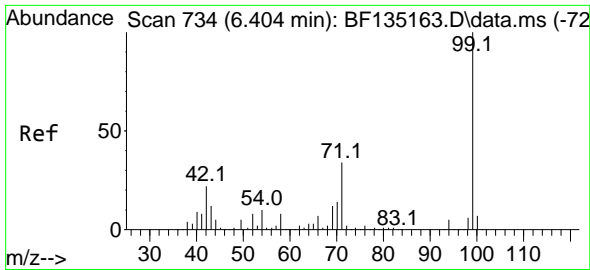


#5
 2-Fluorophenol
 Concen: 98.563 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.012 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



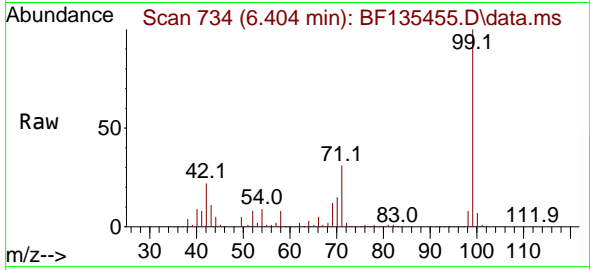
Tgt Ion:112 Resp: 1086490
 Ion Ratio Lower Upper
 112 100
 64 67.5 55.9 83.9
 63 34.1 29.0 43.6





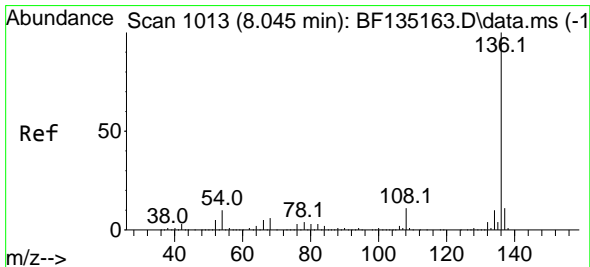
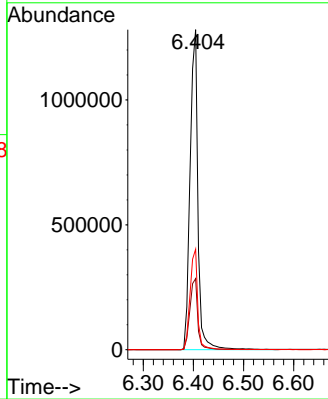
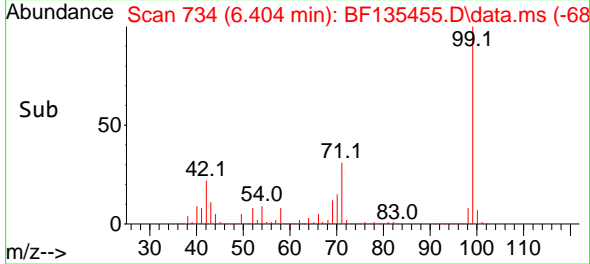
#7
 Phenol-d6
 Concen: 99.251 ng
 RT: 6.404 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

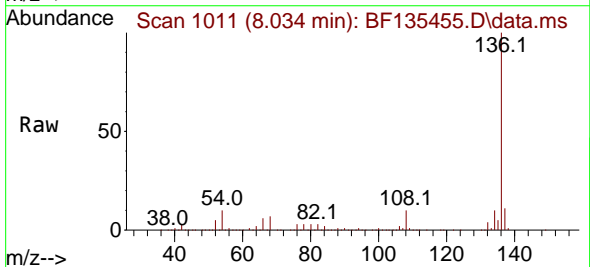


Tgt Ion: 99 Resp: 1391180
 Ion Ratio Lower Upper
 99 100
 42 22.2 17.9 26.9
 71 31.4 27.0 40.6

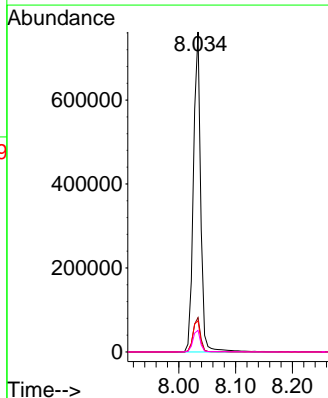
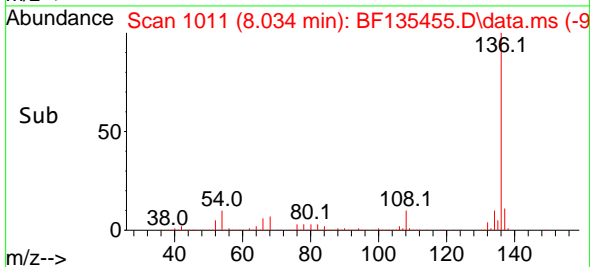
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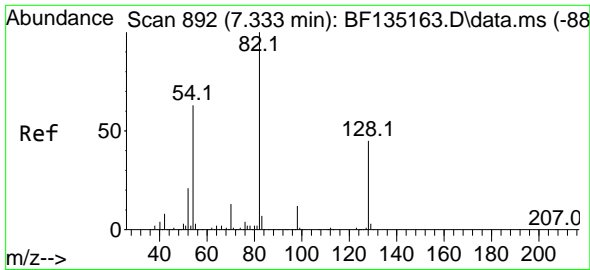


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.034 min Scan# 1011
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



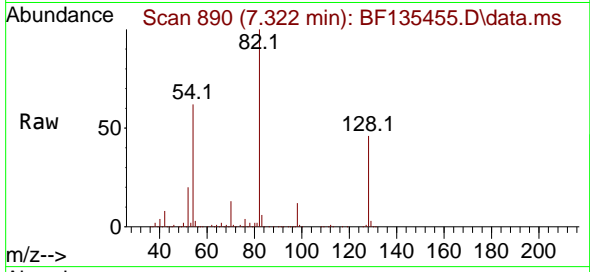
Tgt Ion:136 Resp: 680830
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.8 13.2
 54 9.8 7.7 11.5
 68 6.8 4.6 6.8





#23
 Nitrobenzene-d5
 Concen: 68.467 ng
 RT: 7.322 min Scan# 89
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

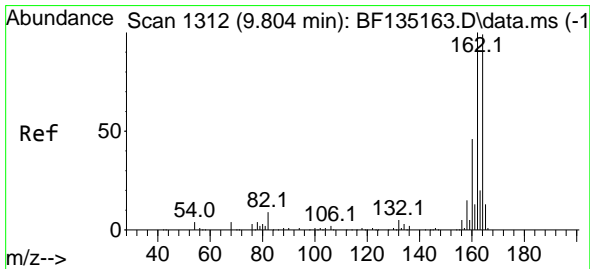
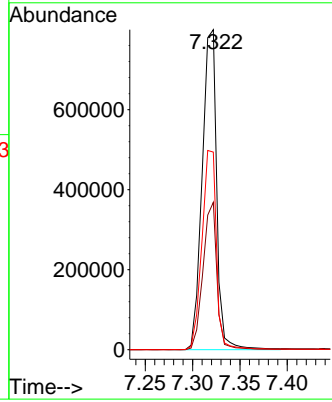
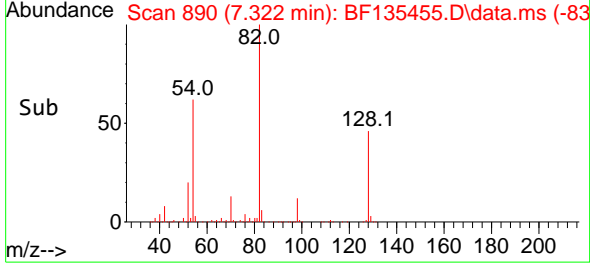
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



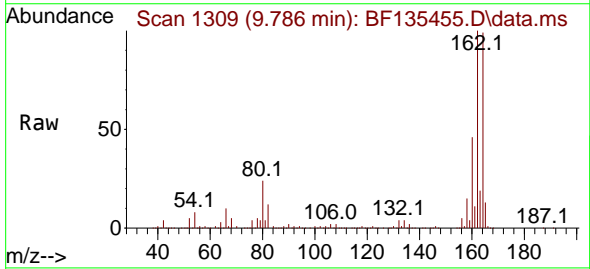
Tgt Ion: 82 Resp: 857998
 Ion Ratio Lower Upper
 82 100
 128 46.1 35.8 53.6
 54 61.7 50.6 76.0

Manual Integrations
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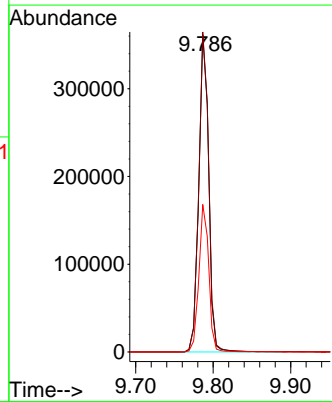
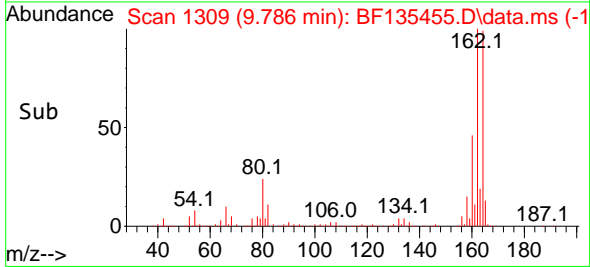
Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

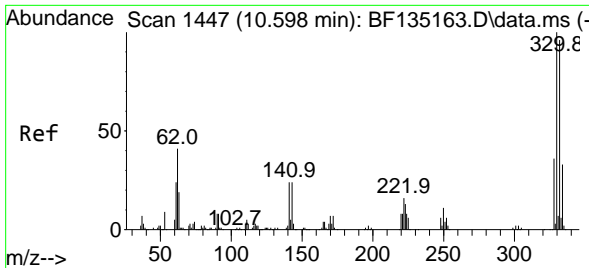


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.786 min Scan# 1309
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



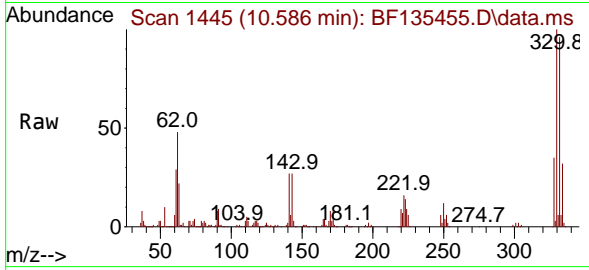
Tgt Ion:164 Resp: 320267
 Ion Ratio Lower Upper
 164 100
 162 100.9 81.0 121.4
 160 46.5 37.0 55.4





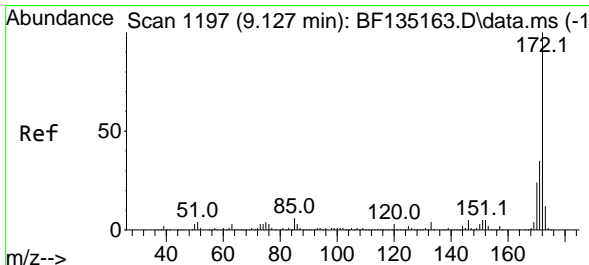
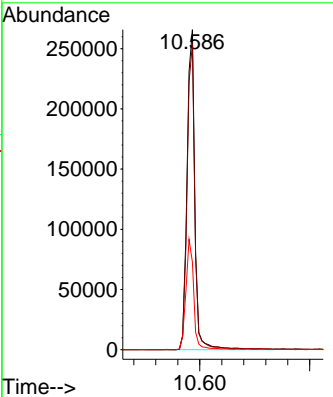
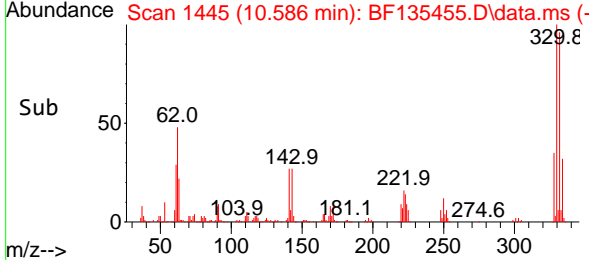
#42
 2,4,6-Tribromophenol
 Concen: 81.452 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

Instrument : BNA_F
 Client Sampled : TP-A

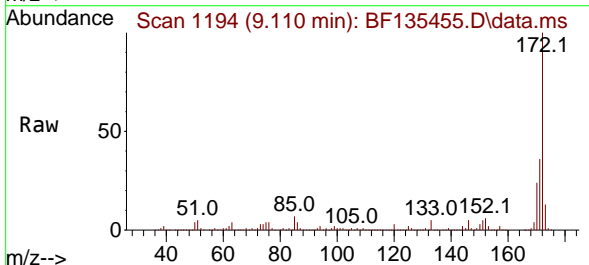


Tgt Ion: 330 Resp: 25923
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.3 115.9
 141 34.8 25.8 38.8

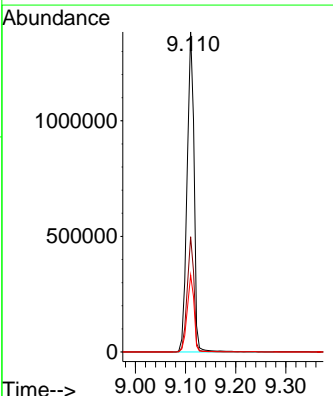
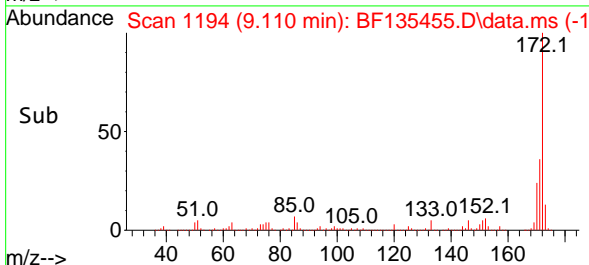
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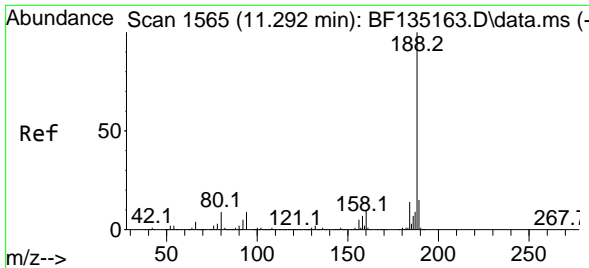


#45
 2-Fluorobiphenyl
 Concen: 63.251 ng
 RT: 9.110 min Scan# 1194
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



Tgt Ion: 172 Resp: 1342669
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.4 42.6
 170 24.0 19.0 28.4





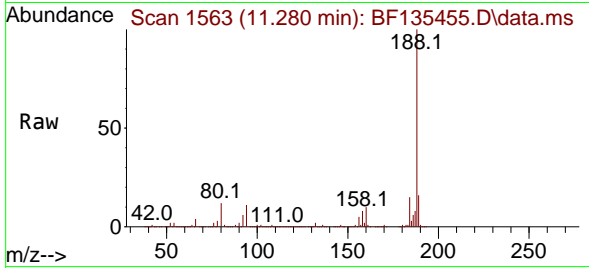
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.280 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

Instrument :

BNA_F

ClientSampleId :

TP-A

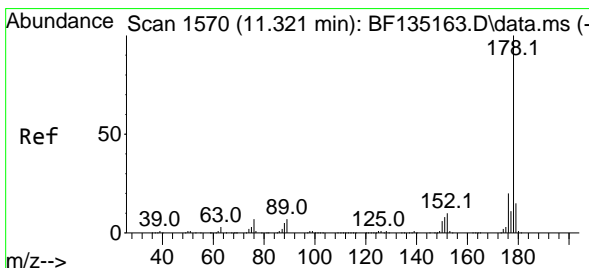
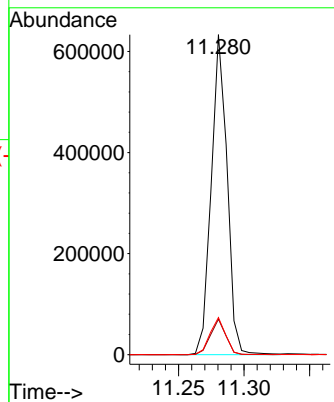
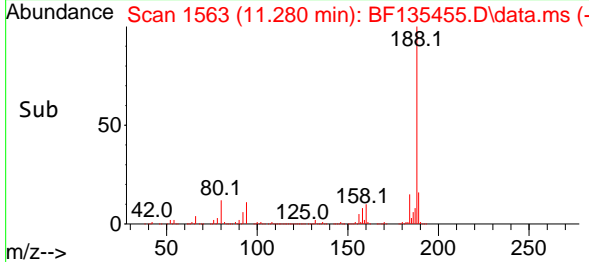


Tgt Ion:188 Resp: 53328
 Ion Ratio Lower Upper
 188 100
 94 11.1 7.0 10.6
 80 11.6 7.5 11.3

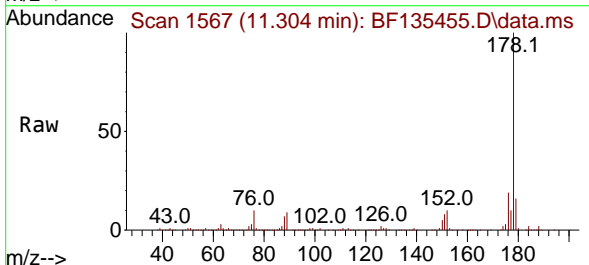
Manual Integrations

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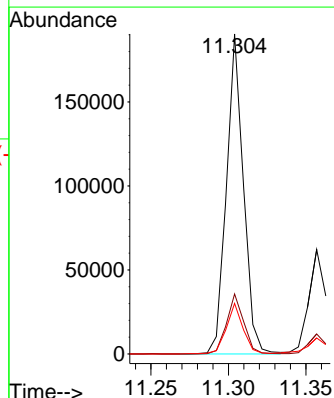
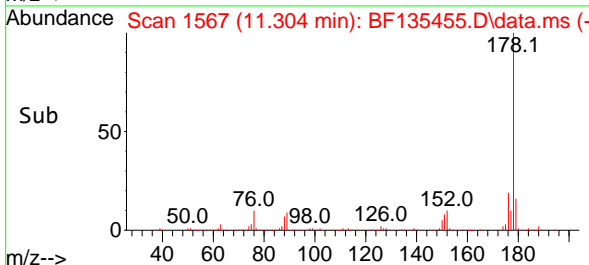
Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

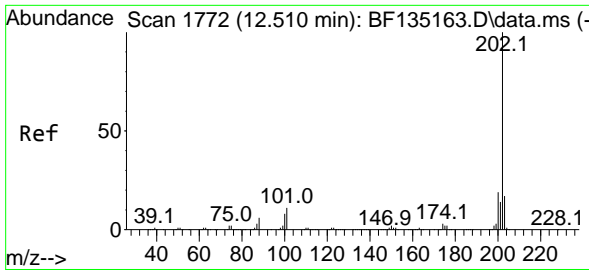


#71
 Phenanthrene
 Concen: 5.762 ng
 RT: 11.304 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



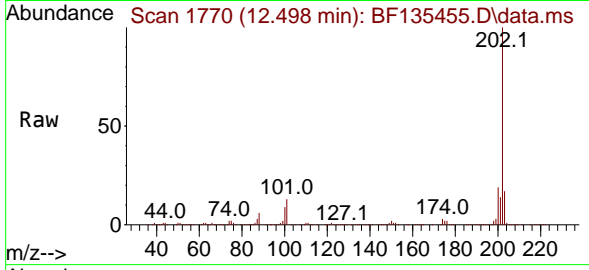
Tgt Ion:178 Resp: 145335
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.6 23.4
 179 15.8 12.0 18.0





#75
 Fluoranthene
 Concen: 8.014 ng
 RT: 12.498 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

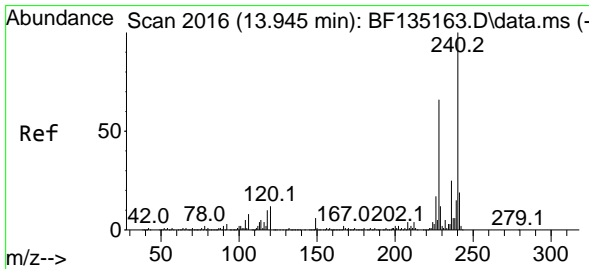
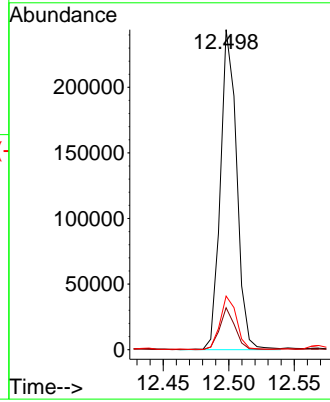
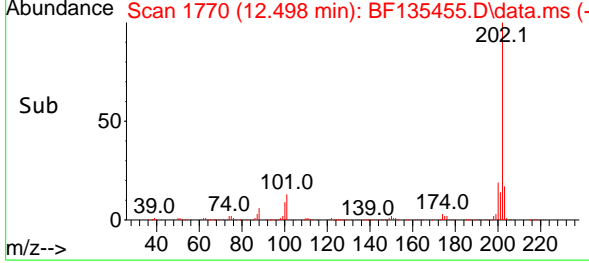
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



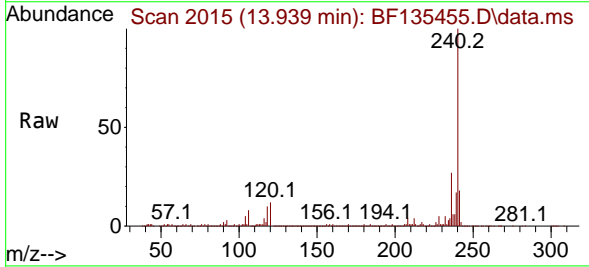
Tgt Ion:202 Resp: 210600
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 31.3
 203 16.7 0.0 37.4

Manual Integrations
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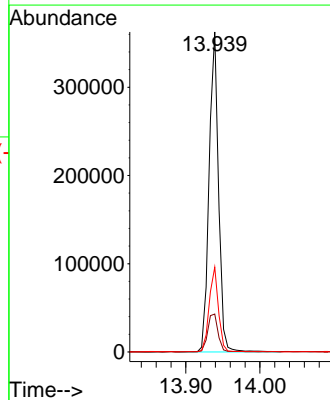
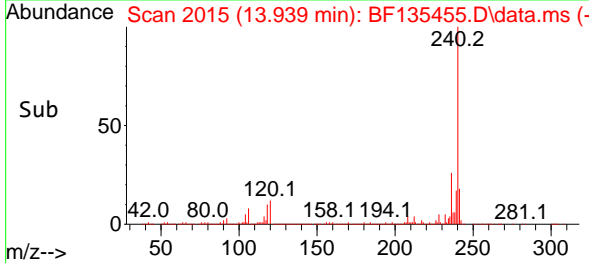
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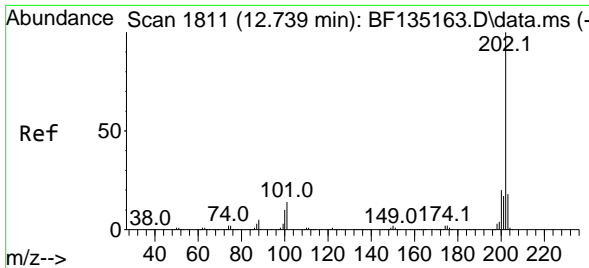


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



Tgt Ion:240 Resp: 321362
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.4 14.2
 236 26.5 19.8 29.8





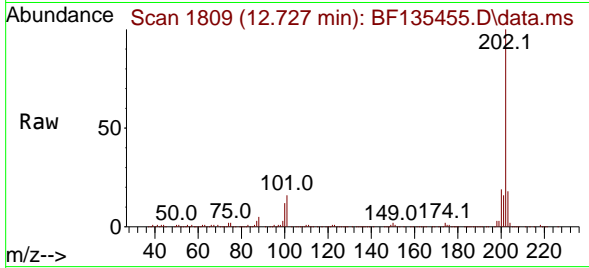
#78
 Pyrene
 Concen: 6.027 ng
 RT: 12.727 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

Instrument :

BNA_F

ClientSampleId :

TP-A

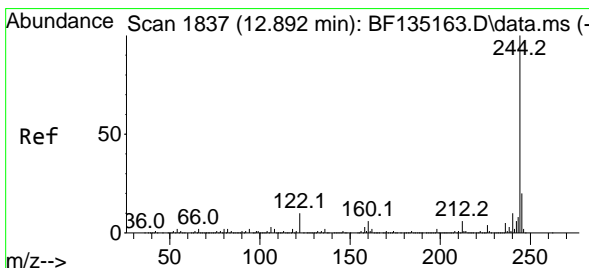
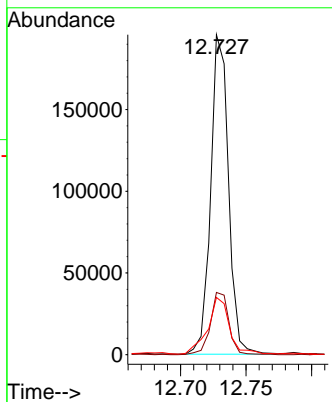
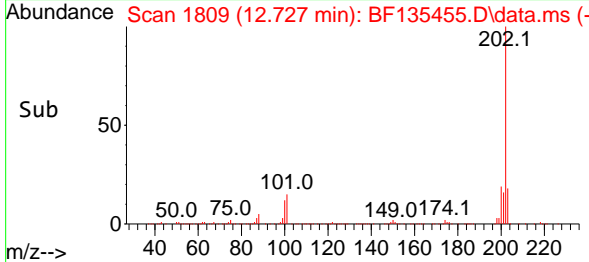


Tgt Ion: 202 Resp: 184394
 Ion Ratio Lower Upper
 202 100
 200 19.4 16.2 24.2
 203 17.9 14.2 21.4

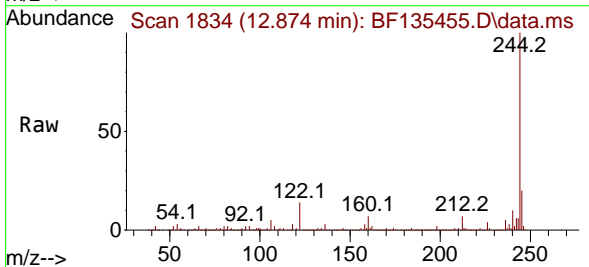
Manual Integrations

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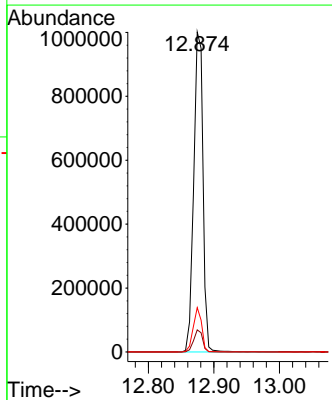
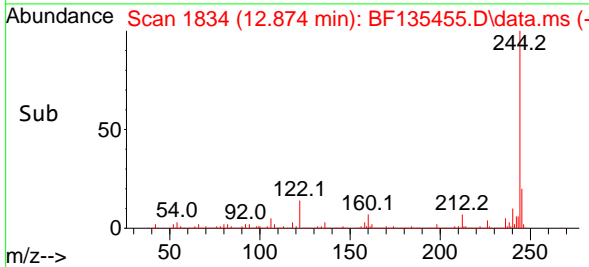
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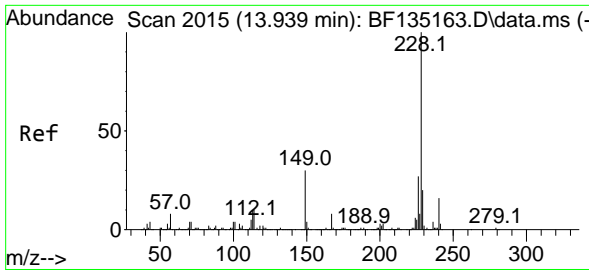


#79
 Terphenyl-d14
 Concen: 47.497 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



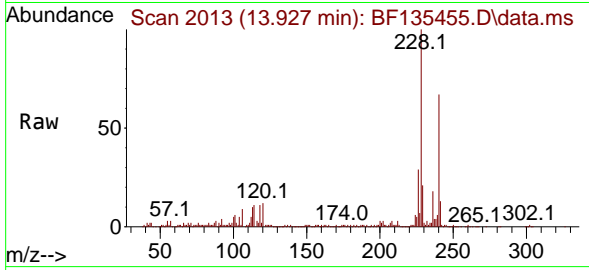
Tgt Ion: 244 Resp: 984629
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 13.9 7.9 11.9





#81
 Benzo(a)anthracene
 Concen: 5.074 ng
 RT: 13.927 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

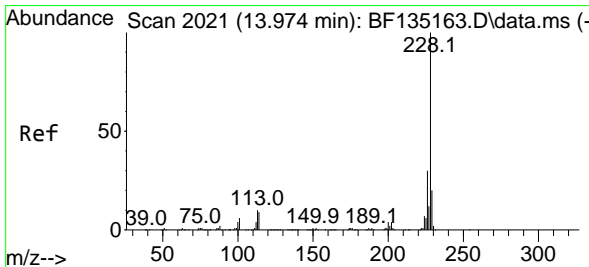
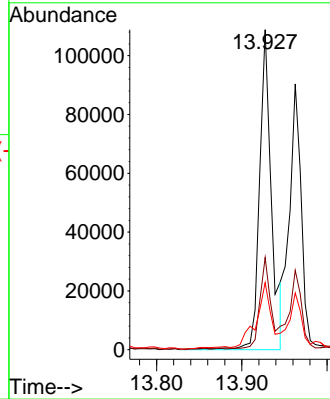
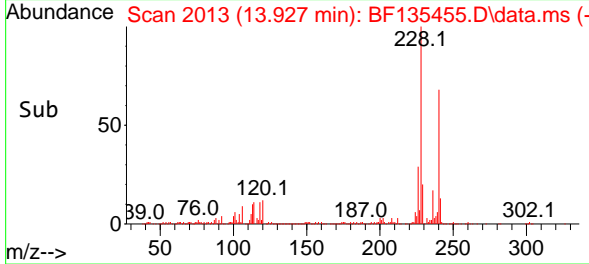
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



Tgt Ion:228 Resp: 105298
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 20.9 15.8 23.8

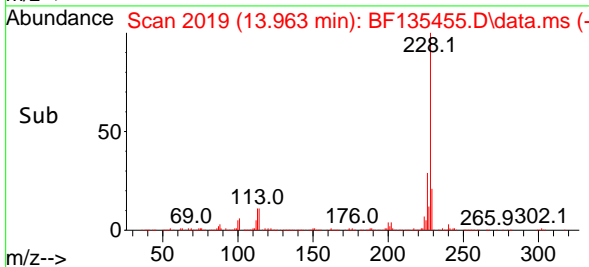
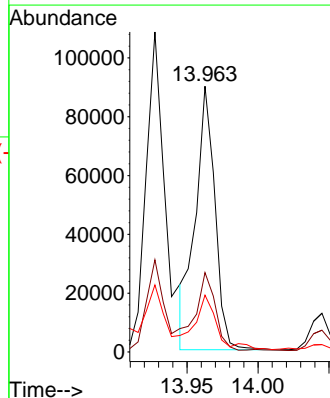
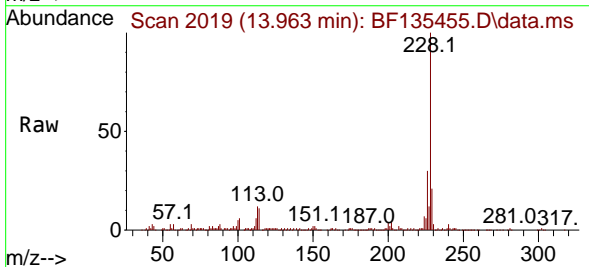
Manual Integrations
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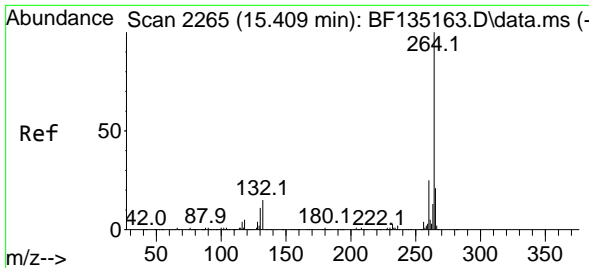
Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023



#83
 Chrysene
 Concen: 4.171 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

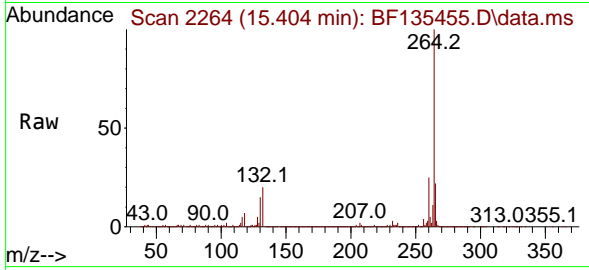
Tgt Ion:228 Resp: 86058
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.3 36.5
 229 21.4 16.0 24.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

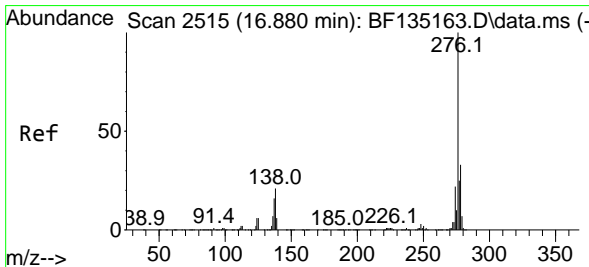
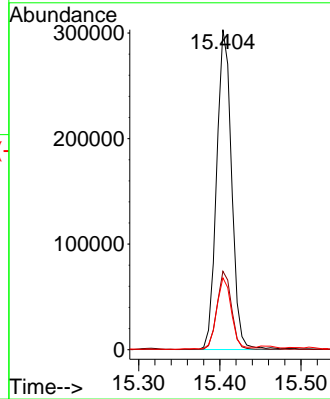
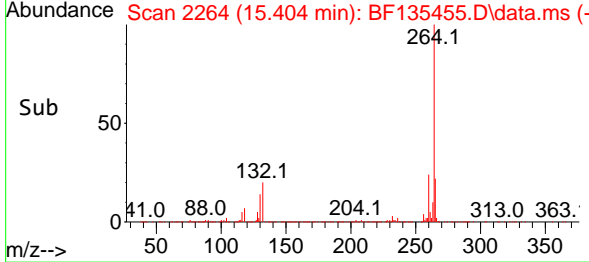


Tgt Ion: 264 Resp: 38904

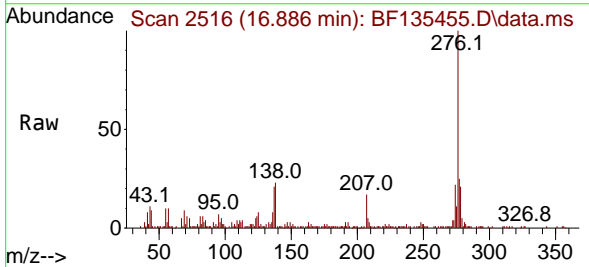
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	22.4	17.0	25.4

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Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

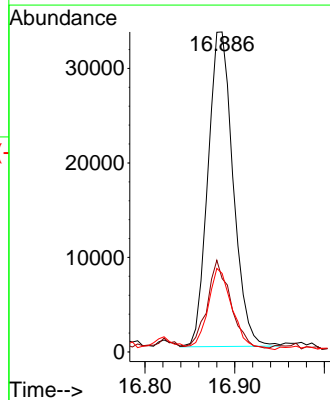
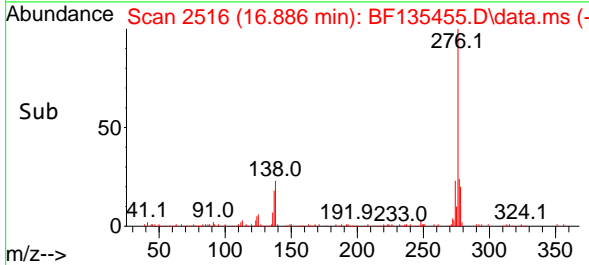


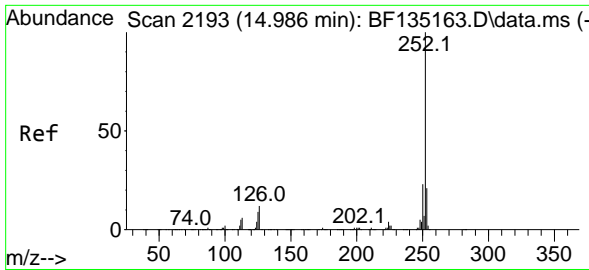
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.539 ng
 RT: 16.886 min Scan# 2516
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



Tgt Ion: 276 Resp: 64758

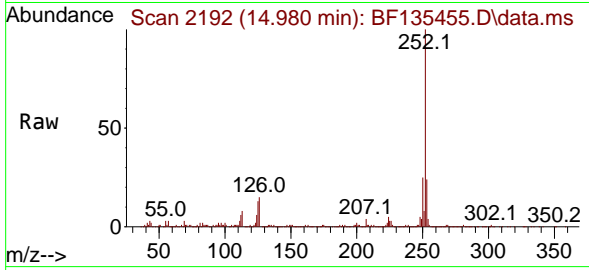
Ion	Ratio	Lower	Upper
276	100		
138	26.1	19.2	28.8
277	25.0	19.7	29.5





#88
 Benzo(b)fluoranthene
 Concen: 8.861 ng m
 RT: 14.980 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

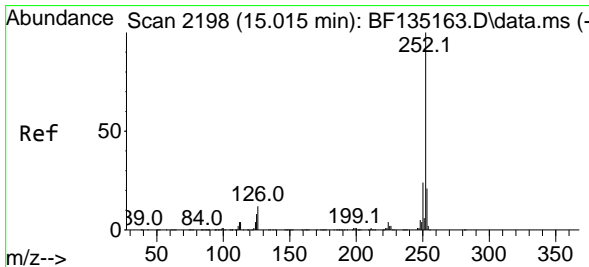
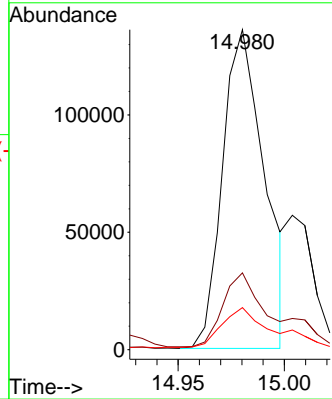
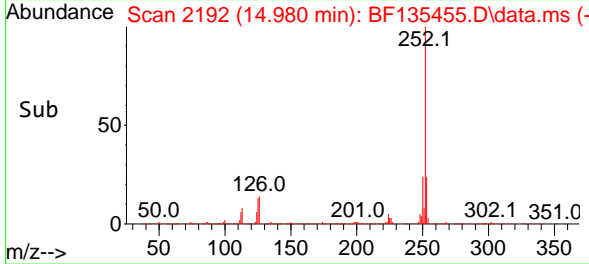
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



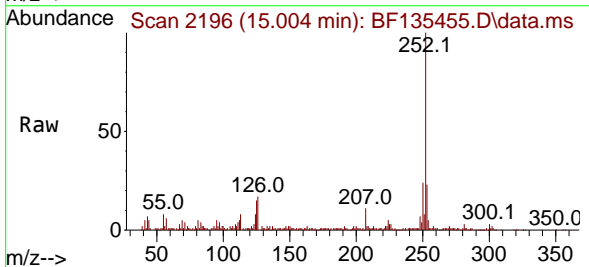
Tgt Ion:252 Resp: 18662
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.2 25.8
 125 13.2 7.1 10.7

Manual Integrations
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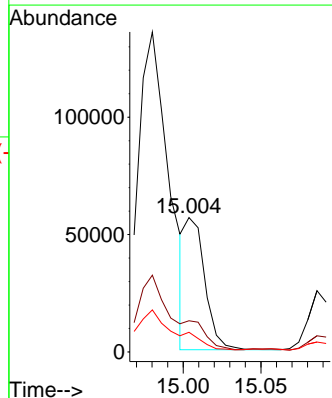
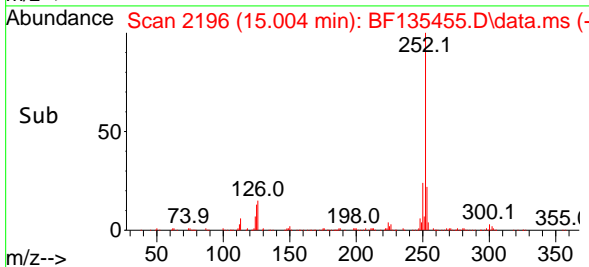
Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

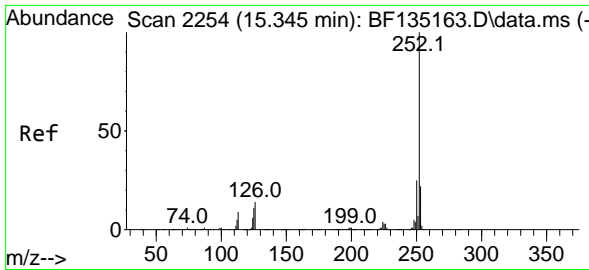


#89
 Benzo(k)fluoranthene
 Concen: 2.381 ng m
 RT: 15.004 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



Tgt Ion:252 Resp: 49540
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.4 26.0
 125 14.6 7.2 10.8





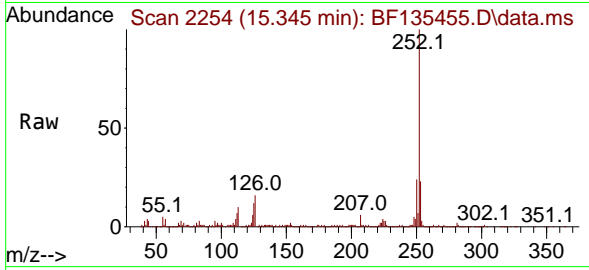
#90
 Benzo(a)pyrene
 Concen: 6.573 ng
 RT: 15.345 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25

Instrument :

BNA_F

ClientSampleId :

TP-A



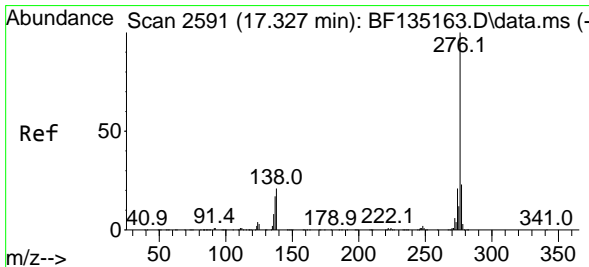
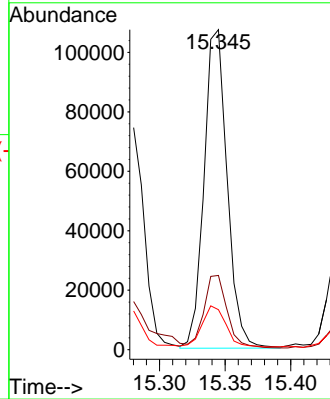
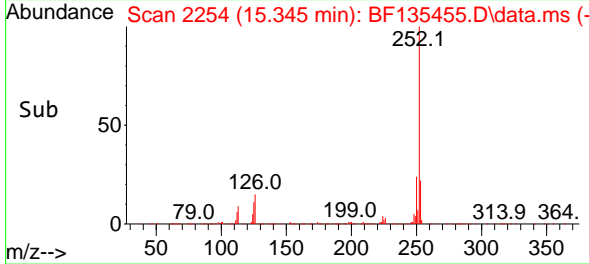
Tgt Ion:252 Resp: 132014
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 12.5 9.2 13.8

Manual Integrations

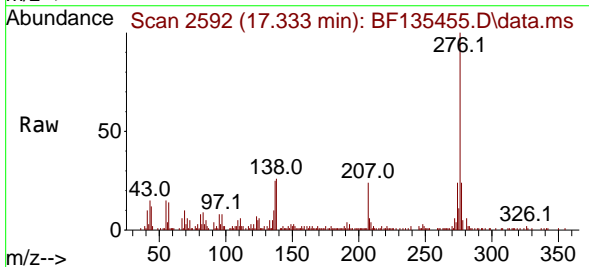
APPROVED

Reviewed By :Yogesh Patel 09/27/2023

Supervised By :mohammad ahmed 09/29/2023



#92
 Benzo(g,h,i)perylene
 Concen: 2.577 ng m
 RT: 17.333 min Scan# 2592
 Delta R.T. 0.000 min
 Lab File: BF135455.D
 Acq: 26 Sep 2023 16:25



Tgt Ion:276 Resp: 56172
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.8 28.2
 138 26.3 16.9 25.3#

