

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127933.D
 Acq On : 27 Apr 2022 01:01
 Operator : CG\JU
 Sample : N2466-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5-DUP

Quant Time: Apr 27 01:50:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/27/2022

Supervised By :Jagrut
 Upadhyay
 04/27/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	140769	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	545892	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	296251	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	445869	20.000	ng	0.00
76) Chrysene-d12	14.121	240	290620	20.000	ng	0.00
86) Perylene-d12	15.639	264	262777	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	824578	93.300	ng	0.00
7) Phenol-d6	6.569	99	1070800	93.374	ng	0.00
23) Nitrobenzene-d5	7.504	82	776225	66.865	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	253932	85.147	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1239595	70.787	ng	0.00
79) Terphenyl-d14	13.063	244	962565	60.564	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.016	154	54769	3.188	ng	98
58) Fluorene	10.533	166	61338	3.316	ng	98
71) Phenanthrene	11.504	178	708855	30.372	ng	99
72) Anthracene	11.551	178	170497	7.333	ng	100
75) Fluoranthene	12.692	202	564754	22.991	ng	98
78) Pyrene	12.922	202	550991	23.486	ng	99
81) Benzo(a)anthracene	14.110	228	241018	12.442	ng	99
83) Chrysene	14.145	228	215104	11.627	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	73599	4.196	ng	96
88) Benzo(b)fluoranthene	15.186	252	219954m	13.327	ng	
89) Benzo(k)fluoranthene	15.216	252	77471m	4.659	ng	
90) Benzo(a)pyrene	15.568	252	165127	12.061	ng	99
92) Benzo(g,h,i)perylene	17.651	276	72423	4.885	ng	98

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

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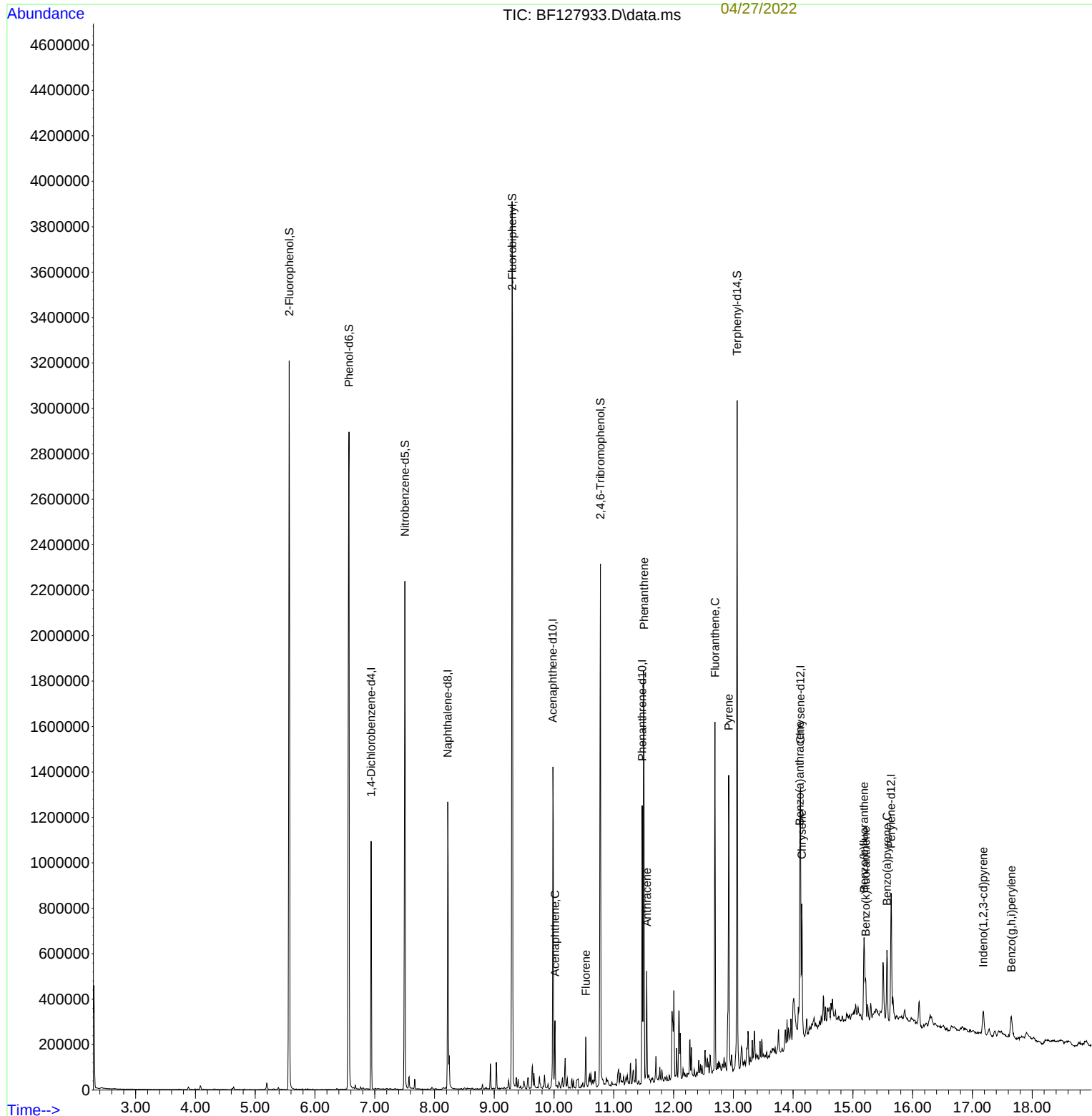
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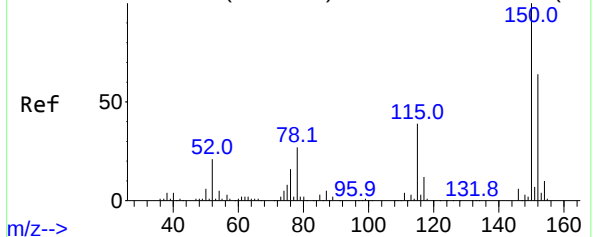
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04/27/2022

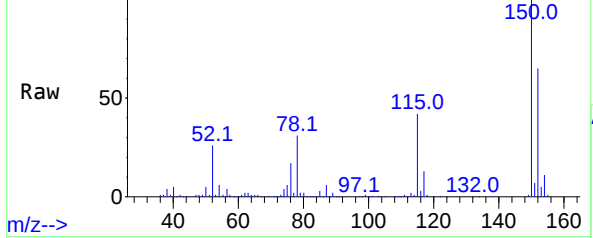


Abundance Scan 792 (6.945 min): BF127861.D\data.ms (-78



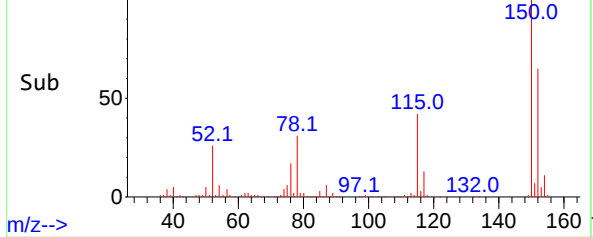
m/z-->

Abundance Scan 791 (6.940 min): BF127933.D\data.ms



m/z-->

Abundance Scan 791 (6.940 min): BF127933.D\data.ms (-77



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.940 min Scan# 791

Delta R.T. -0.005 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Tgt Ion:152 Resp: 140769

Ion Ratio Lower Upper

152 100

150 154.1 125.3 187.9

115 65.2 48.8 73.2

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

Manual Integrations

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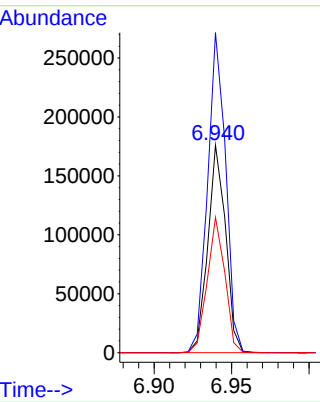
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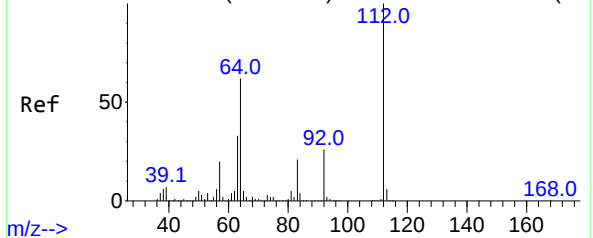
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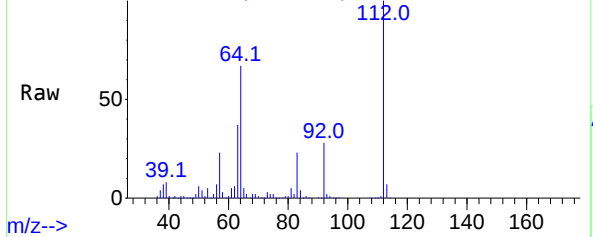


Abundance Scan 557 (5.563 min): BF127861.D\data.ms (-55



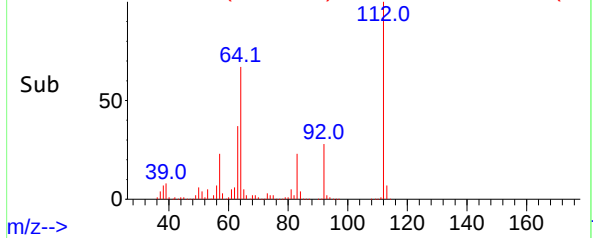
m/z-->

Abundance Scan 558 (5.569 min): BF127933.D\data.ms



m/z-->

Abundance Scan 558 (5.569 min): BF127933.D\data.ms (-50



m/z-->

#5

2-Fluorophenol

Concen: 93.300 ng

RT: 5.569 min Scan# 558

Delta R.T. 0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

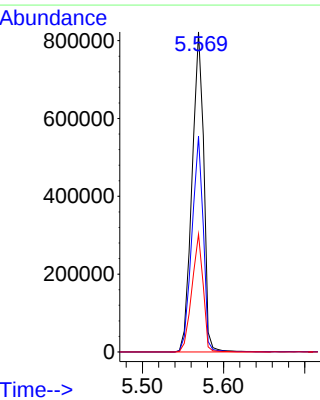
Tgt Ion:112 Resp: 824578

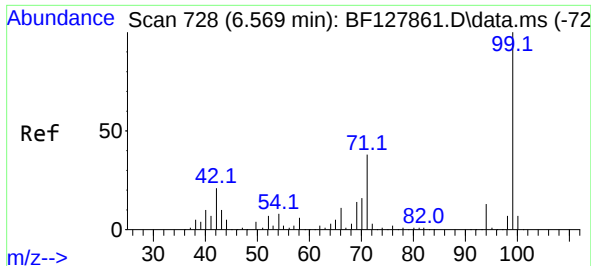
Ion Ratio Lower Upper

112 100

64 67.3 49.5 74.3

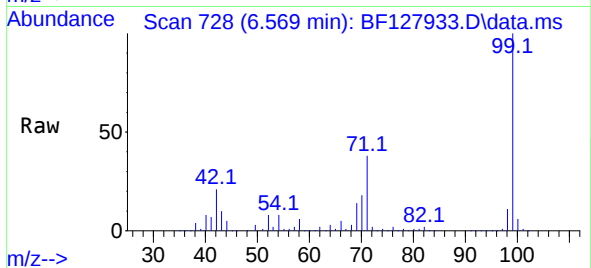
63 36.8 26.3 39.5





#7
Phenol-d6
Concen: 93.374 ng
RT: 6.569 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

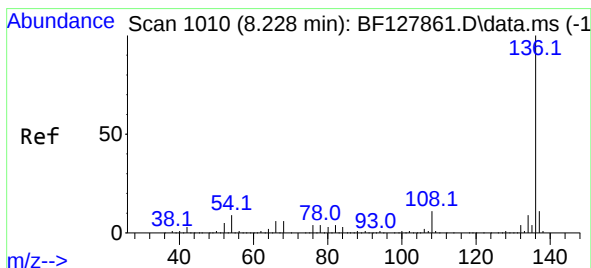
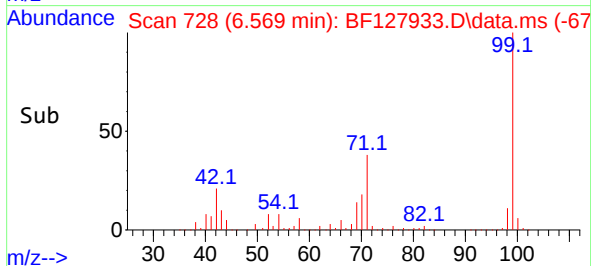
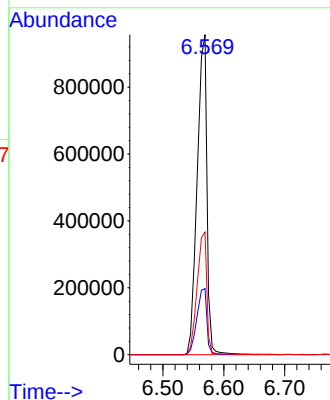


Tgt Ion: 99 Resp: 1070800
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 38.3 30.0 45.0

Manual Integrations
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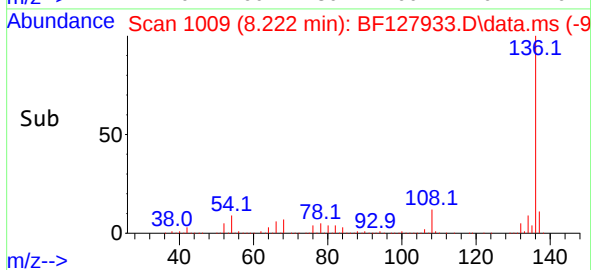
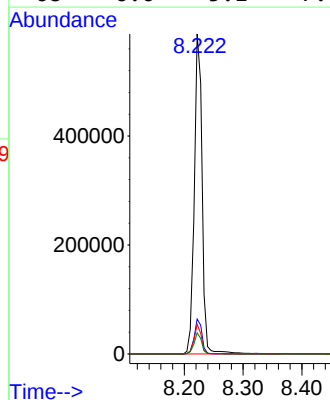
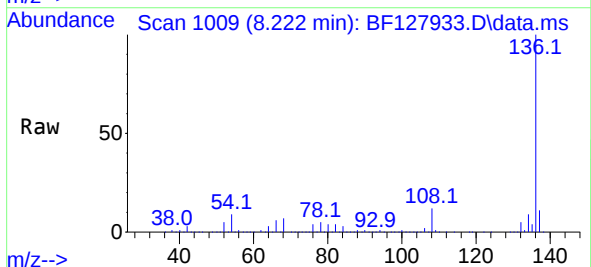
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

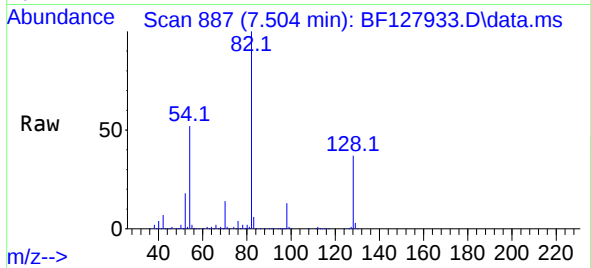
Tgt Ion:136 Resp: 545892
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.2 6.8 10.2
68 6.6 5.1 7.7





#23
Nitrobenzene-d5
Concen: 66.865 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

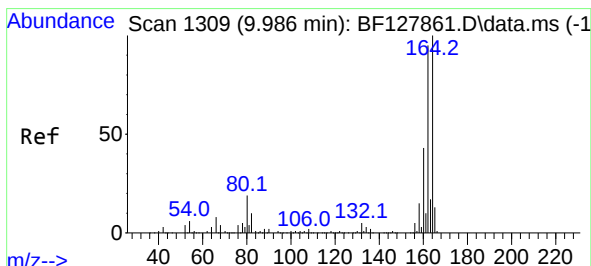
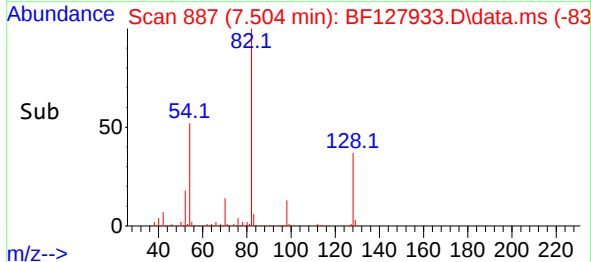
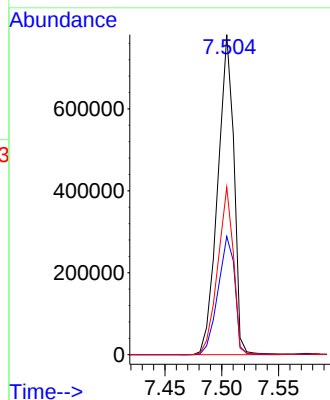


Tgt Ion: 82 Resp: 776225
Ion Ratio Lower Upper
82 100
128 36.9 30.0 45.0
54 52.3 41.3 61.9

Manual Integrations
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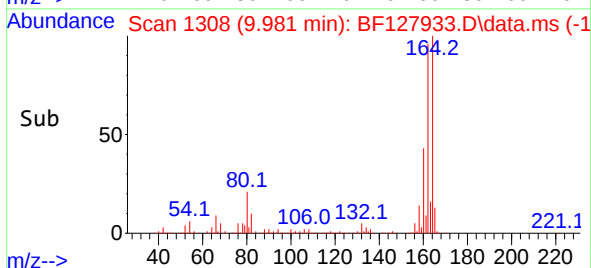
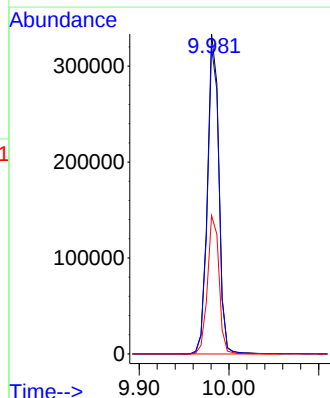
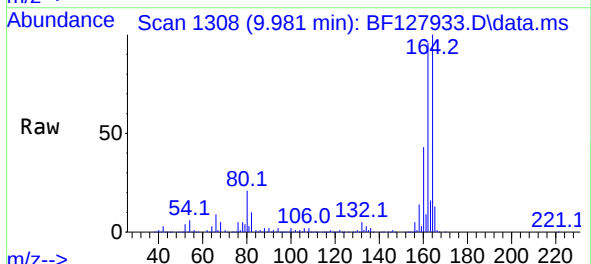
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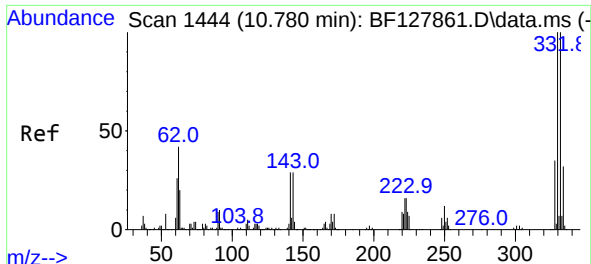
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Upadhyay
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

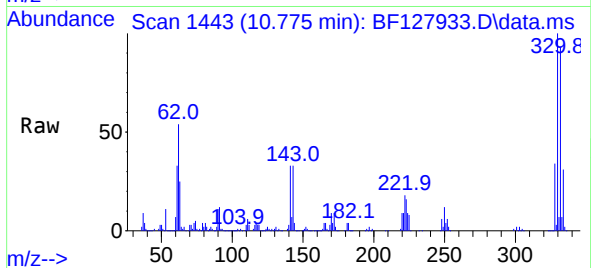
Tgt Ion:164 Resp: 296251
Ion Ratio Lower Upper
164 100
162 95.8 76.0 114.0
160 43.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 85.147 ng
RT: 10.775 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

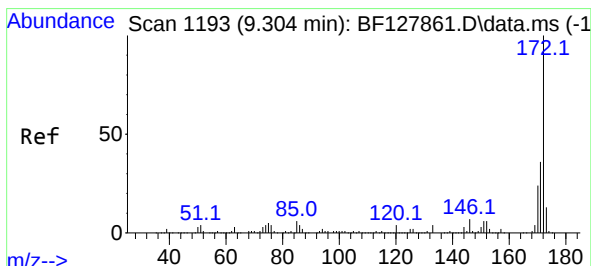
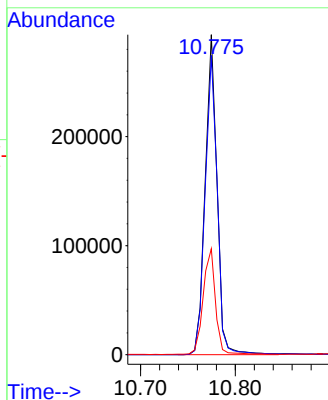
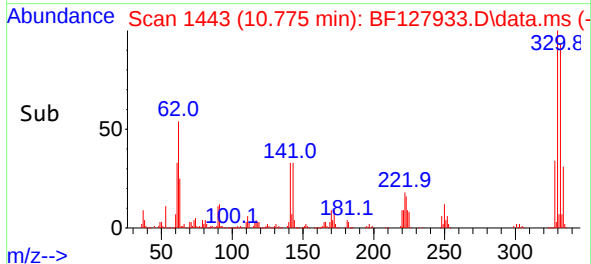


Tgt Ion:330 Resp: 253932
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.4
141 34.6 28.9 43.3

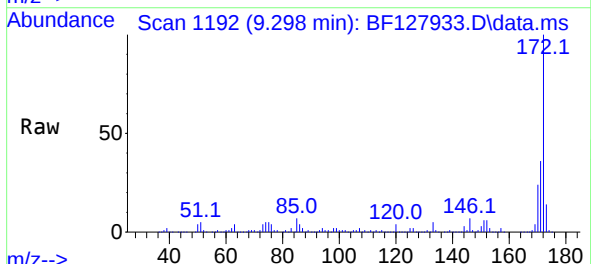
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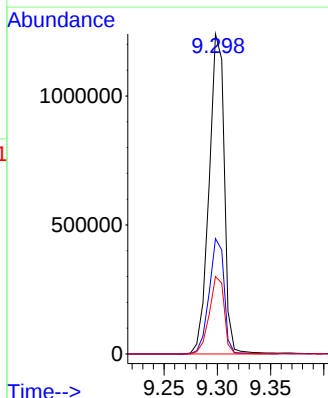
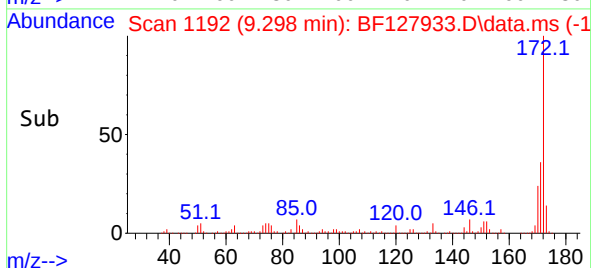
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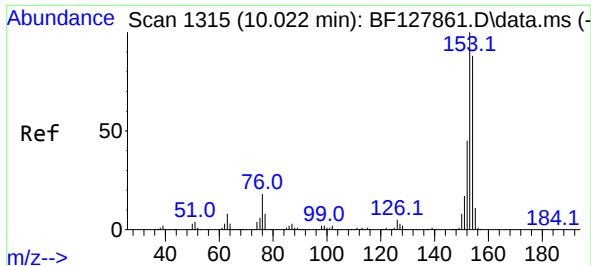


#45
2-Fluorobiphenyl
Concen: 70.787 ng
RT: 9.298 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01



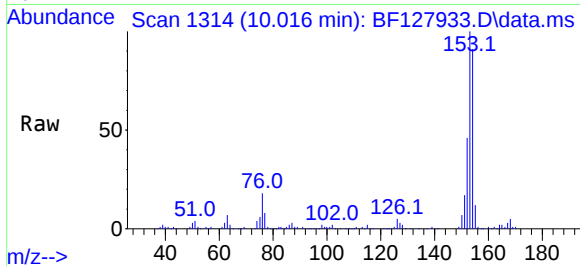
Tgt Ion:172 Resp: 1239595
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 24.2 19.1 28.7





#52
Acenaphthene
Concen: 3.188 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
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E14ST-EB2-041822-0-5-DUP

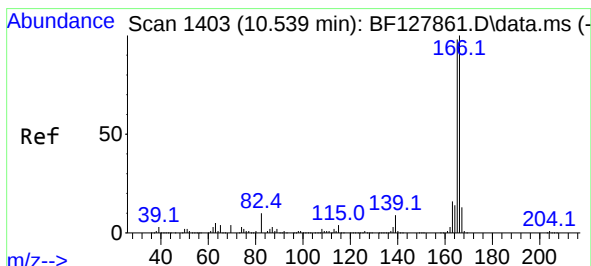
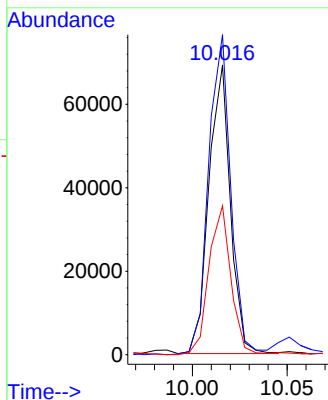
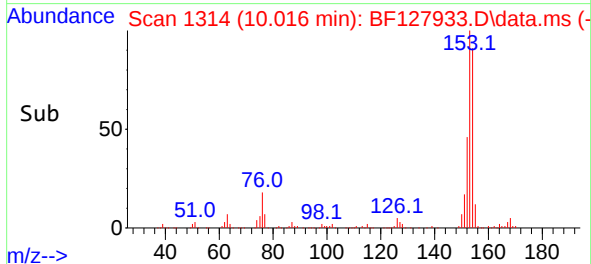


Tgt Ion:154 Resp: 54769
Ion Ratio Lower Upper
154 100
153 110.4 90.5 135.7
152 51.3 41.0 61.6

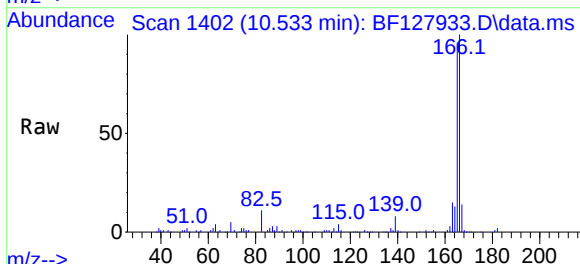
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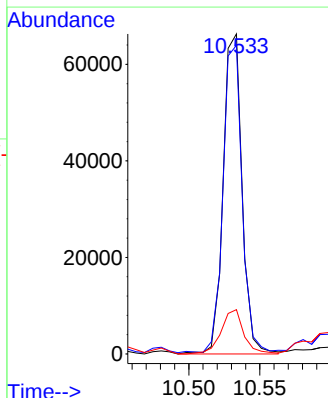
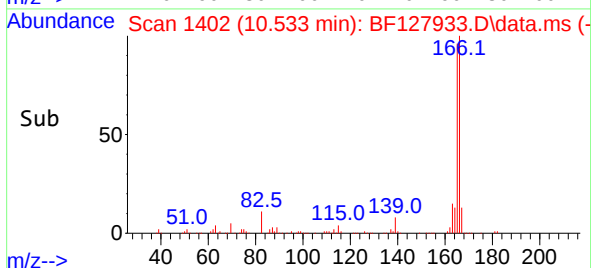
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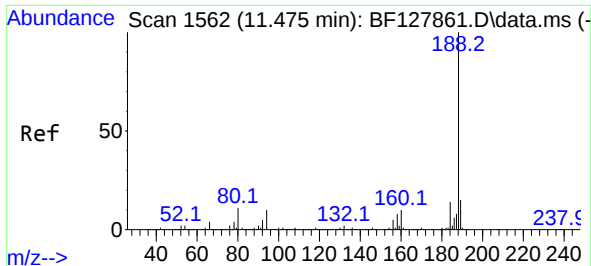


#58
Fluorene
Concen: 3.316 ng
RT: 10.533 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01



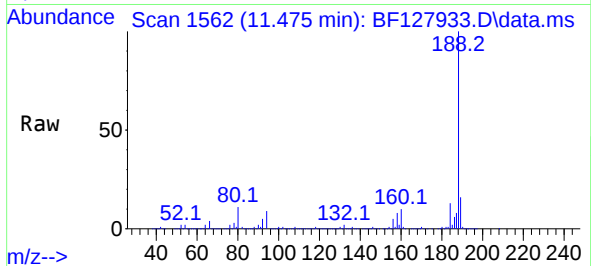
Tgt Ion:166 Resp: 61338
Ion Ratio Lower Upper
166 100
165 96.5 78.6 117.8
167 13.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
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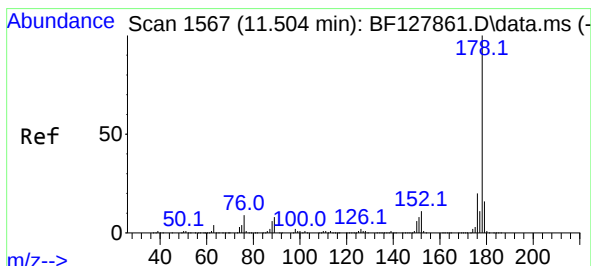
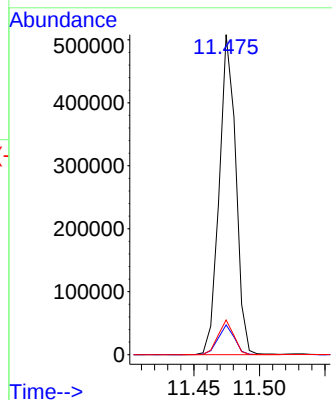


Tgt Ion:188 Resp: 445869
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 10.8 8.9 13.3

Manual Integrations
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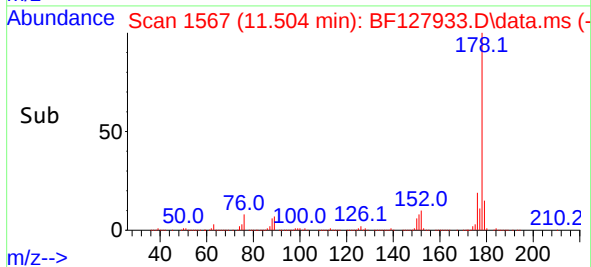
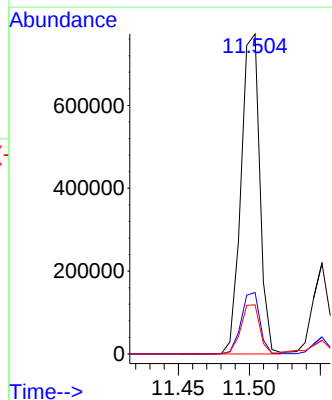
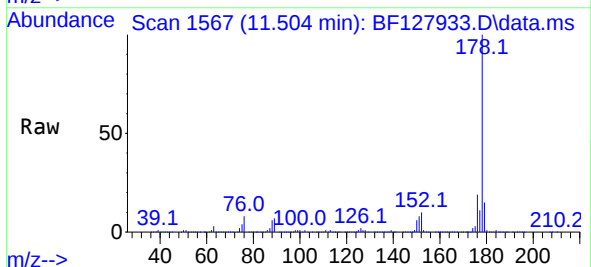
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

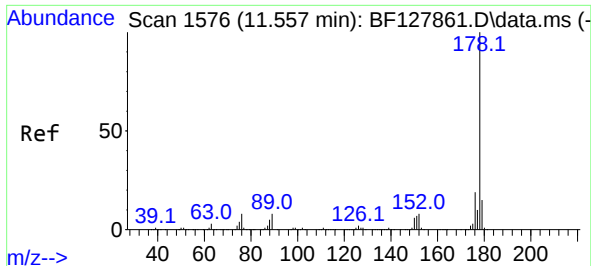
Supervised By :Jagrut
Upadhyay
04/27/2022



#71
Phenanthrene
Concen: 30.372 ng
RT: 11.504 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

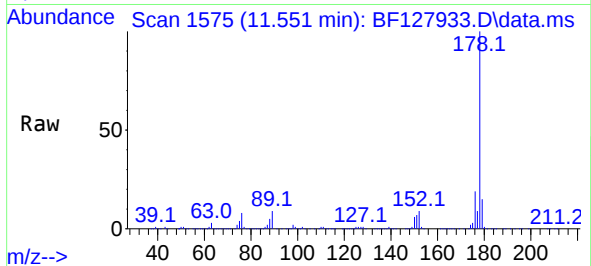
Tgt Ion:178 Resp: 708855
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 7.333 ng
 RT: 11.551 min Scan# 1576
 Delta R.T. -0.006 min
 Lab File: BF127933.D
 Acq: 27 Apr 2022 01:01

Instrument : BNA_F
 ClientSampleId : E14ST-EB2-041822-0-5-DUP

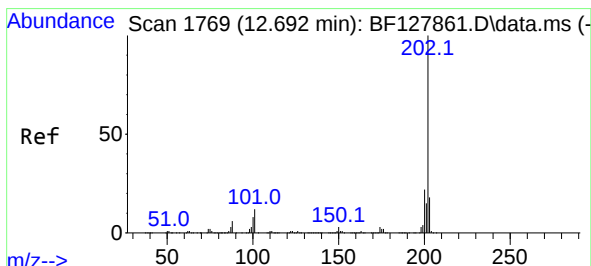
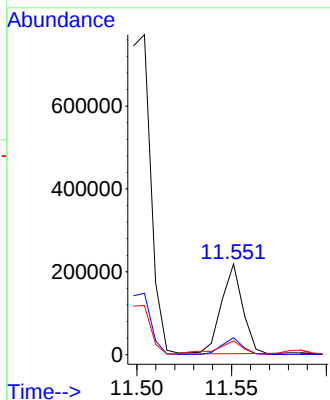
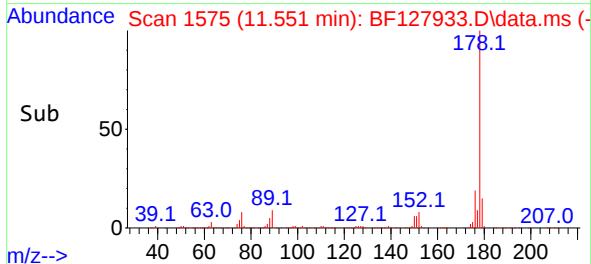


Tgt Ion:178 Resp: 170497
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.2 12.4 18.6

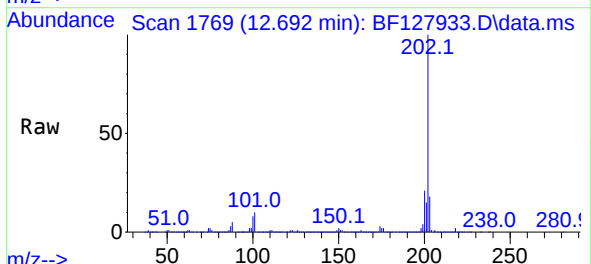
Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/27/2022

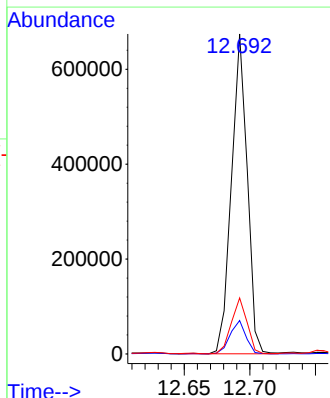
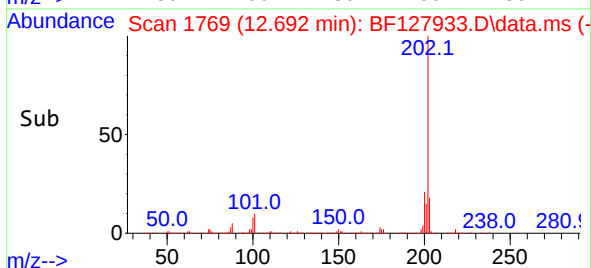
Supervised By :Jagrut
 Upadhyay
 04/27/2022

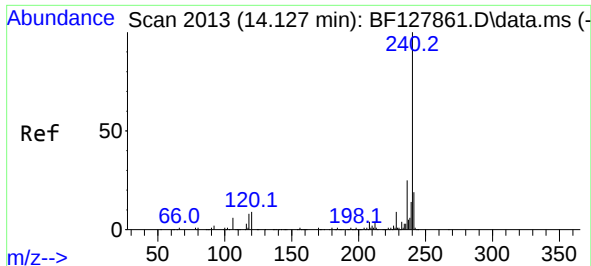


#75
 Fluoranthene
 Concen: 22.991 ng
 RT: 12.692 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: BF127933.D
 Acq: 27 Apr 2022 01:01



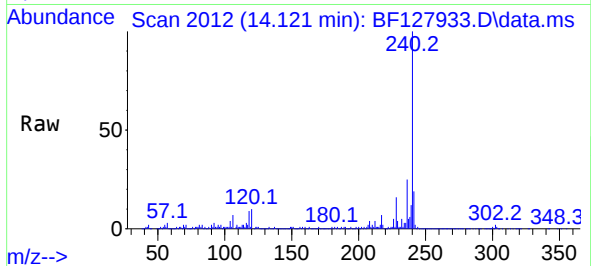
Tgt Ion:202 Resp: 564754
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.6
 203 17.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

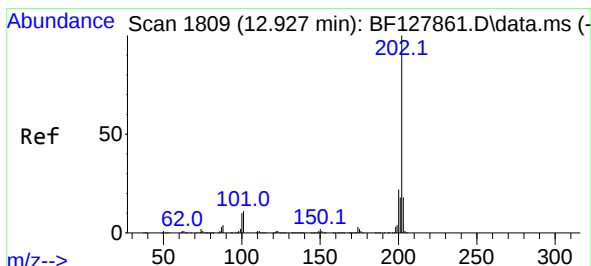
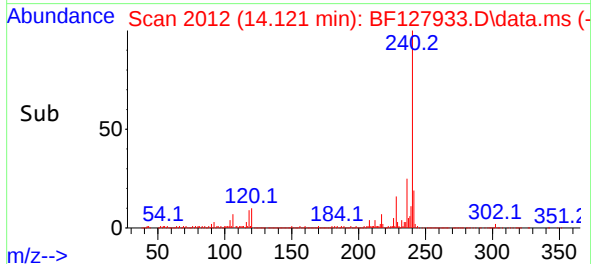
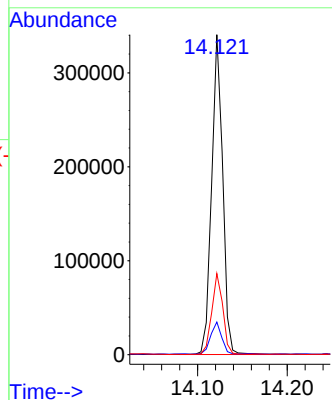


Tgt Ion:240 Resp: 290620
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.6
236 25.4 20.3 30.5

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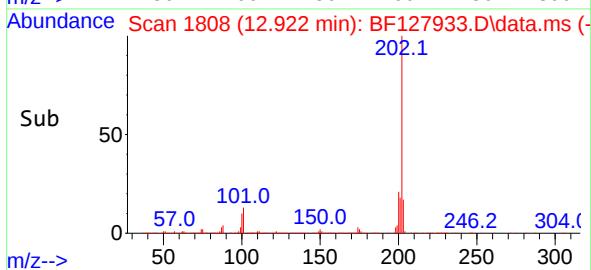
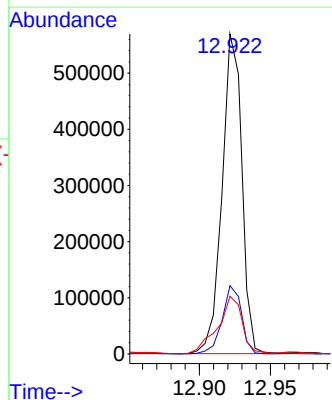
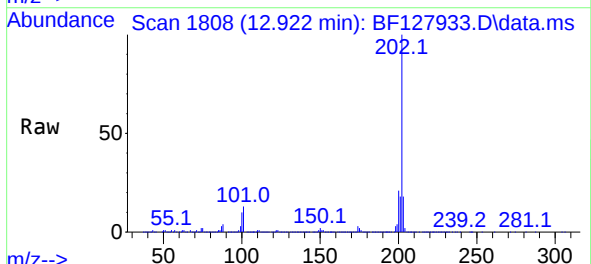
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

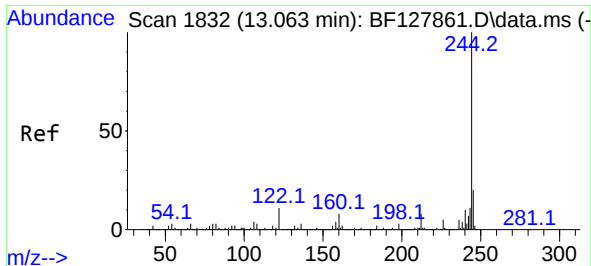
Supervised By :Jagrut
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04/27/2022



#78
Pyrene
Concen: 23.486 ng
RT: 12.922 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

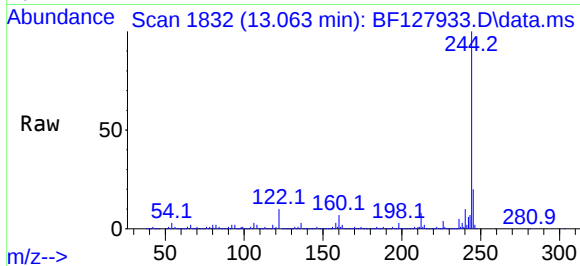
Tgt Ion:202 Resp: 550991
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 18.0 14.0 21.0





#79
Terphenyl-d14
Concen: 60.564 ng
RT: 13.063 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

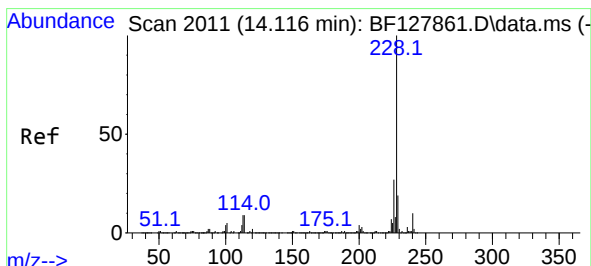
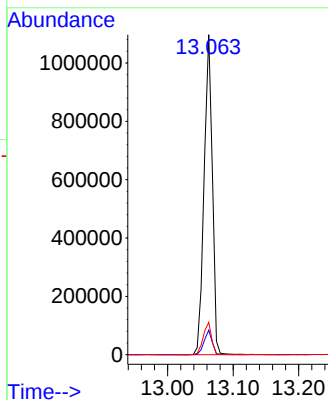
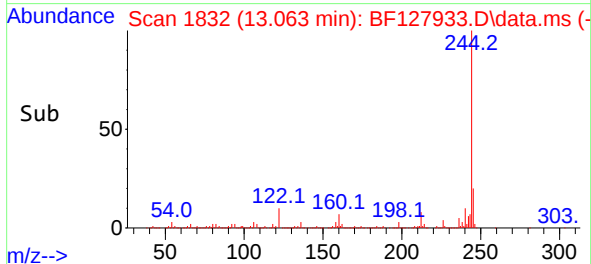


Tgt Ion:244 Resp: 96256
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 10.1 8.6 12.8

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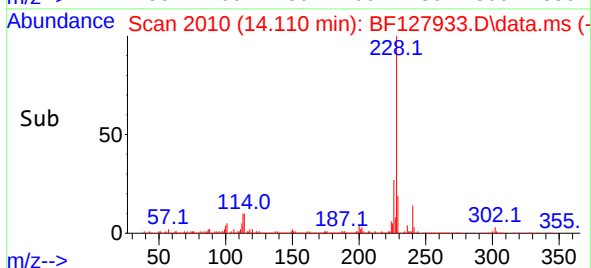
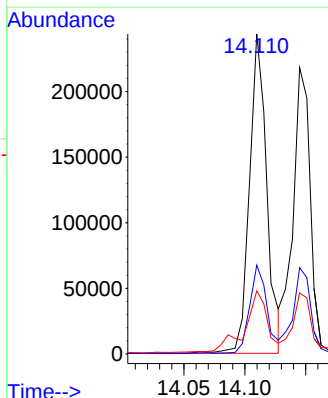
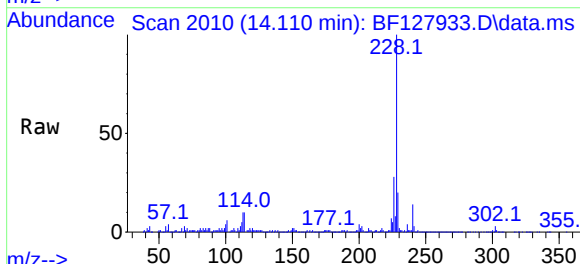
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

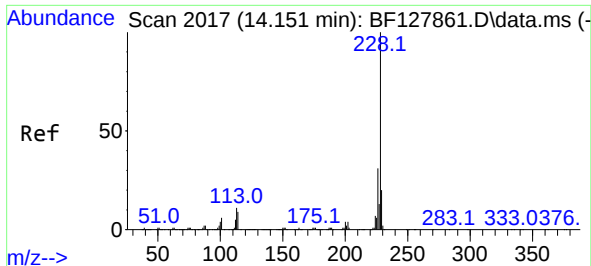
Supervised By :Jagrut
Upadhyay
04/27/2022



#81
Benzo(a)anthracene
Concen: 12.442 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

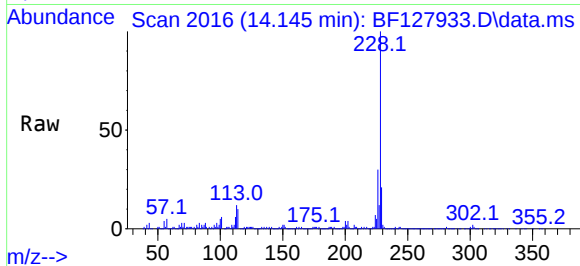
Tgt Ion:228 Resp: 241018
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 19.7 15.4 23.2





#83
Chrysene
Concen: 11.627 ng
RT: 14.145 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument : BNA_F
ClientSampleId : E14ST-EB2-041822-0-5-DUP

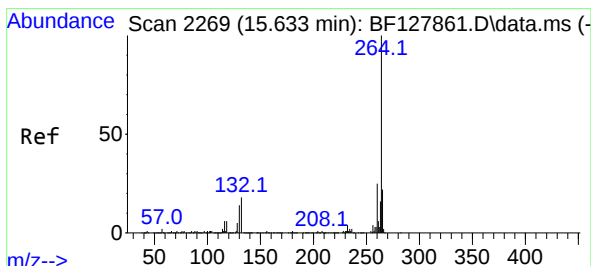
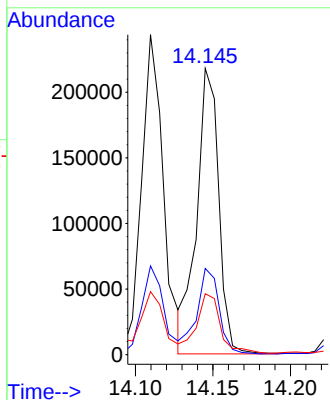
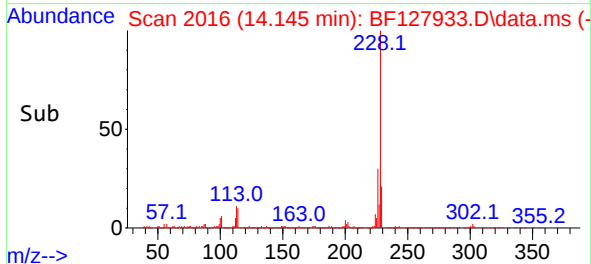


Tgt Ion:228 Resp: 215104
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.3 15.8 23.8

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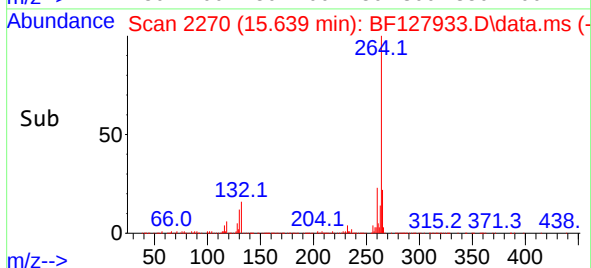
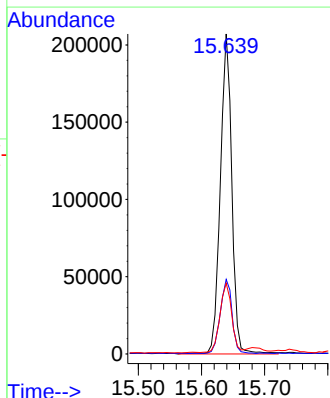
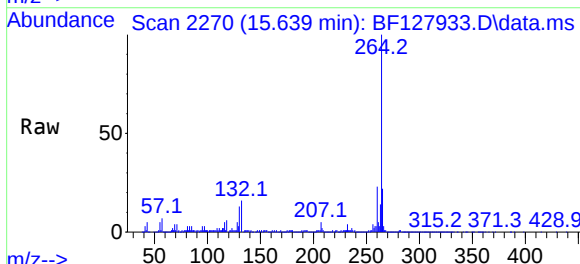
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

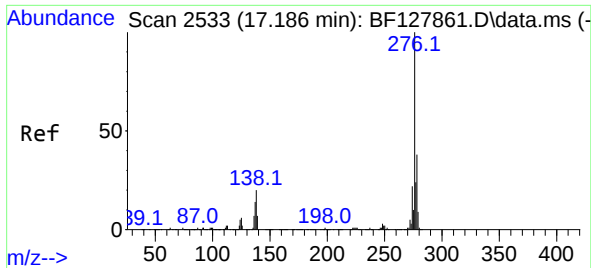
Supervised By :Jagrut
Upadhyay
04/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

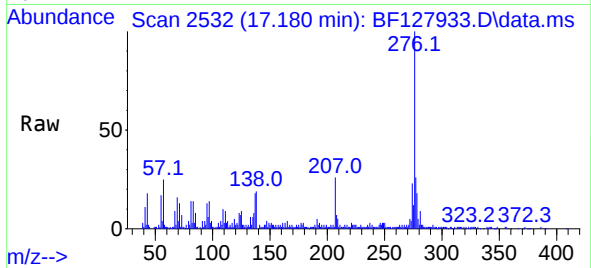
Tgt Ion:264 Resp: 262777
Ion Ratio Lower Upper
264 100
260 23.3 20.1 30.1
265 22.1 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.196 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

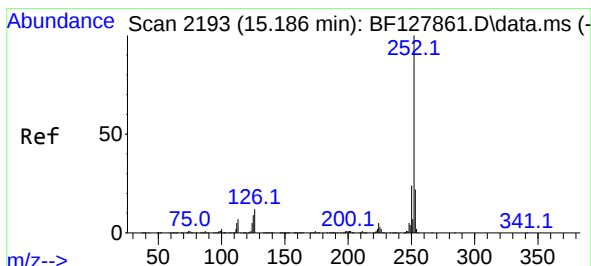
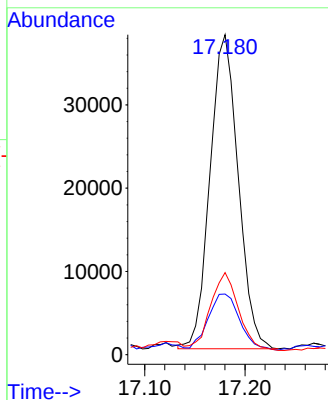
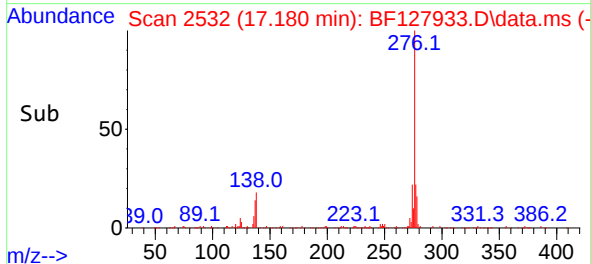


Tgt Ion:276 Resp: 73599
Ion Ratio Lower Upper
276 100
138 20.0 19.0 28.4
277 24.9 20.1 30.1

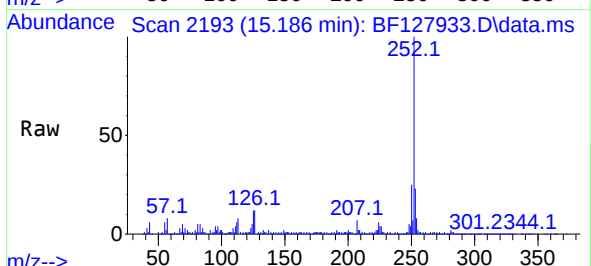
Manual Integrations
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Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

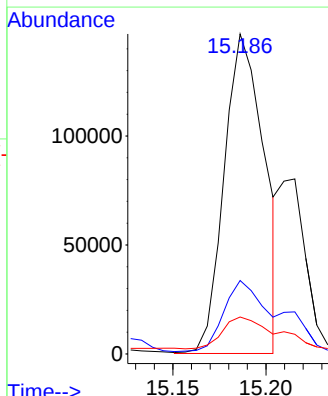
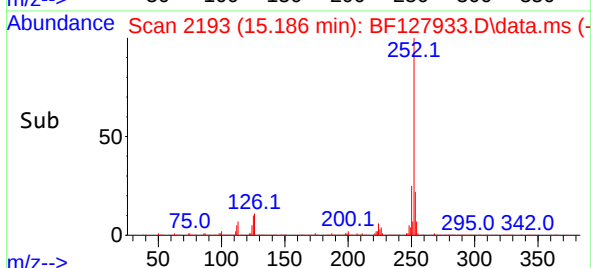
Supervised By :Jagrut
Upadhyay
04/27/2022

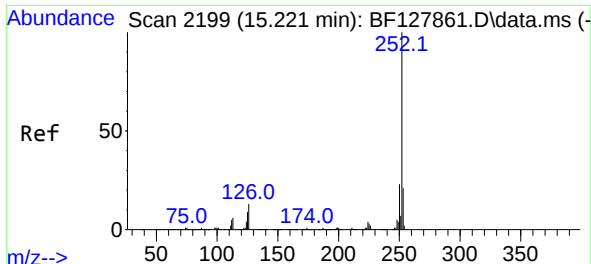


#88
Benzo(b)fluoranthene
Concen: 13.327 ng m
RT: 15.186 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01



Tgt Ion:252 Resp: 219954
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 11.6 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.659 ng m

RT: 15.216 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

Tgt Ion:252 Resp: 7747

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.4
125	11.2	6.8	10.2

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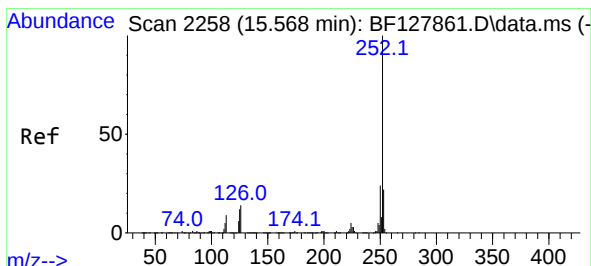
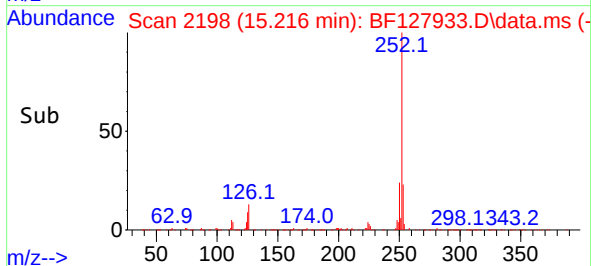
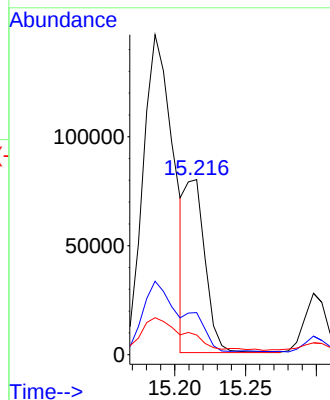
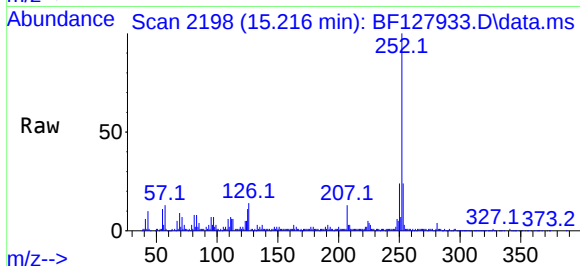
Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/27/2022

Supervised By :Jagrut

Upadhyay

04/27/2022



#90

Benzo(a)pyrene

Concen: 12.061 ng

RT: 15.568 min Scan# 2258

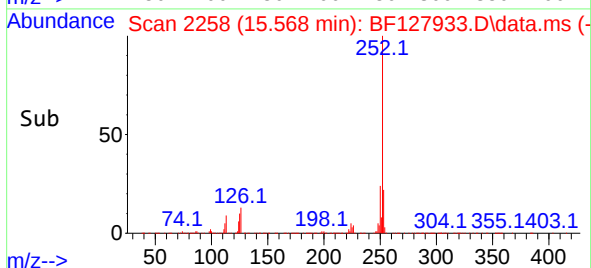
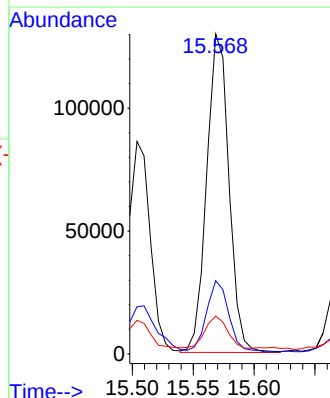
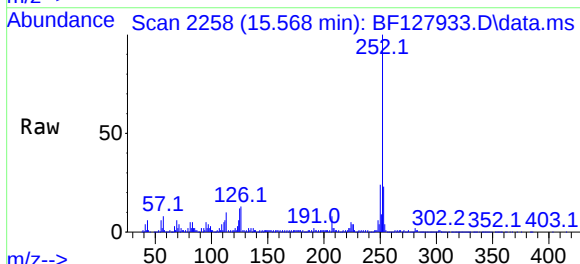
Delta R.T. 0.000 min

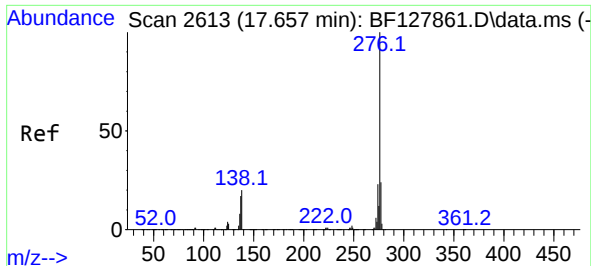
Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Tgt Ion:252 Resp: 165127

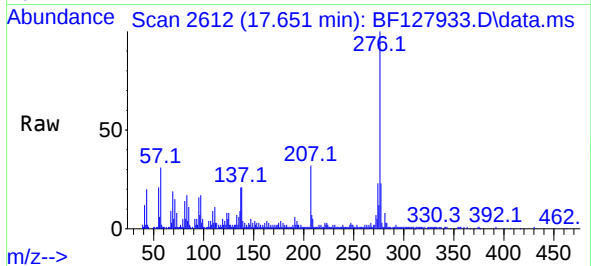
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.9	9.2	13.8





#92
Benzo(g,h,i)perylene
Concen: 4.885 ng
RT: 17.651 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP



Tgt Ion:276 Resp: 7242
Ion Ratio Lower Upper
276 100
277 22.8 18.8 28.2
138 21.4 16.2 24.2

Manual Integrations
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Supervised By :Jagrut Upadhyay 04/27/2022

Supervised By :Jagrut
Upadhyay
04/27/2022

