

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
 Data File : BF132553.D
 Acq On : 27 Feb 2023 15:27
 Operator : CG\JU
 Sample : 01650-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-2-022223

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

Quant Time: Feb 27 16:40:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	142205	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	512330	20.000	ng	0.00
39) Acenaphthene-d10	10.048	164	260764	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	421561	20.000	ng	# 0.00
76) Chrysene-d12	14.201	240	293871	20.000	ng	# 0.00
86) Perylene-d12	15.759	264	259575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.625	112	650313	74.220	ng	0.00
7) Phenol-d6	6.625	99	847050	74.074	ng	-0.01
23) Nitrobenzene-d5	7.566	82	554303	51.331	ng	0.00
42) 2,4,6-Tribromophenol	10.842	330	191948	68.160	ng	0.00
45) 2-Fluorobiphenyl	9.366	172	901716	52.653	ng	0.00
79) Terphenyl-d14	13.136	244	774314	44.549	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.572	178	179726	8.230	ng	97
75) Fluoranthene	12.766	202	273871	11.471	ng	99
78) Pyrene	13.001	202	306449	11.470	ng	97
81) Benzo(a)anthracene	14.189	228	138819	6.313	ng	97
83) Chrysene	14.230	228	154938	7.535	ng	97
87) Indeno(1,2,3-cd)pyrene	17.348	276	50933	2.995	ng	95
88) Benzo(b)fluoranthene	15.289	252	171347m	9.850	ng	
89) Benzo(k)fluoranthene	15.318	252	40424m	2.374	ng	
90) Benzo(a)pyrene	15.689	252	117968	7.246	ng	98
92) Benzo(g,h,i)perylene	17.836	276	53294	4.903	ng	99

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

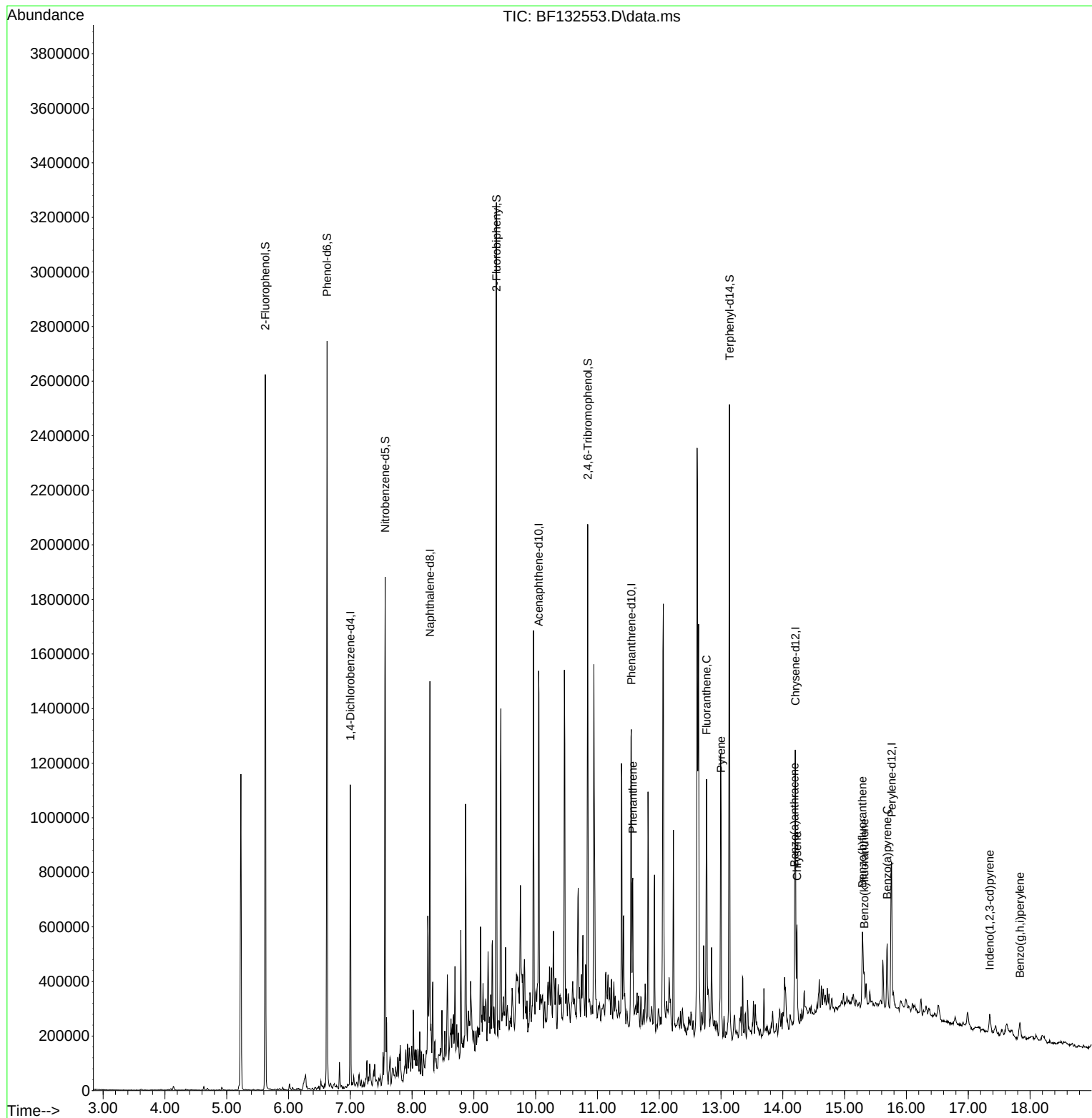
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
Data File : BF132553.D
Acq On : 27 Feb 2023 15:27
Operator : CG\JU
Sample : 01650-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

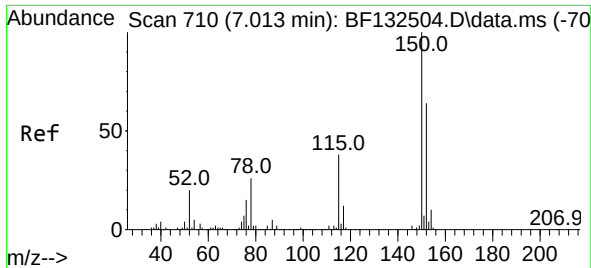
Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Quant Time: Feb 27 16:40:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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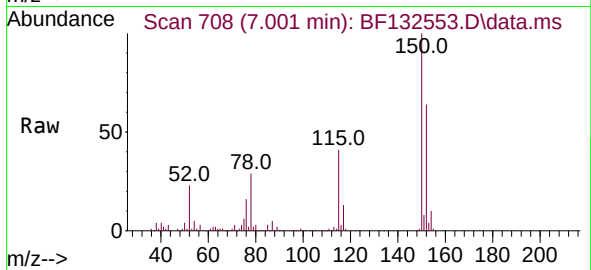
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

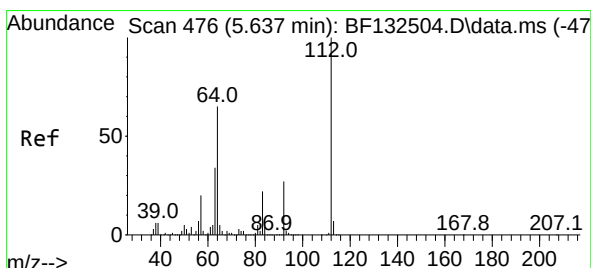
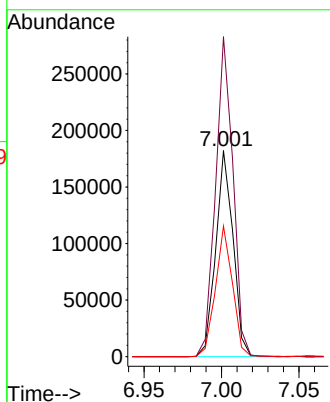
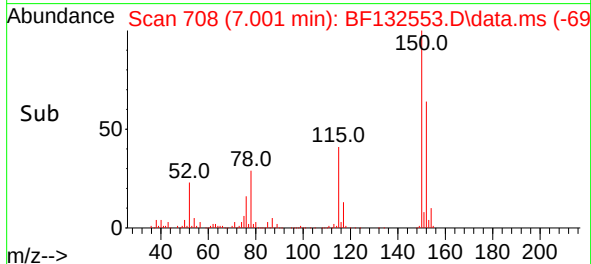
Instrument :
BNA_F
ClientSampleId :
BU-2-022223



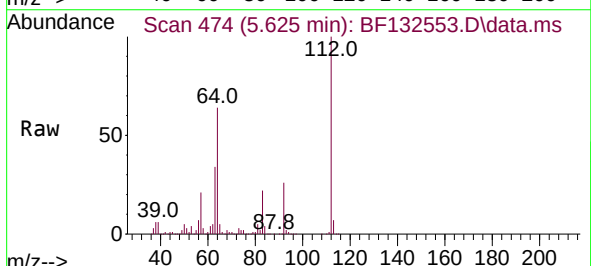
Tgt Ion:152 Resp: 142205
Ion Ratio Lower Upper
152 100
150 155.3 125.4 188.2
115 63.3 47.8 71.6

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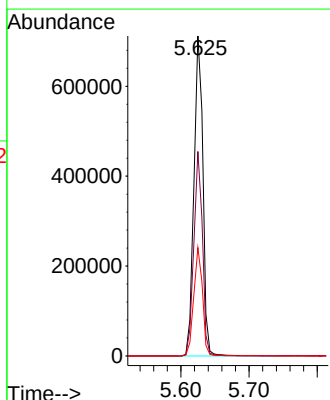
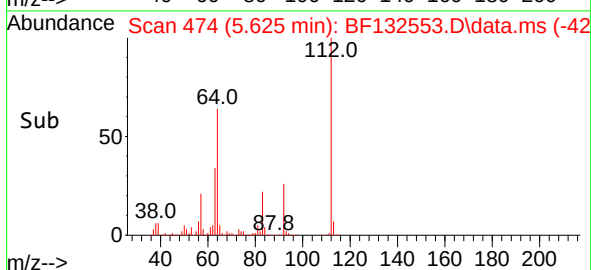
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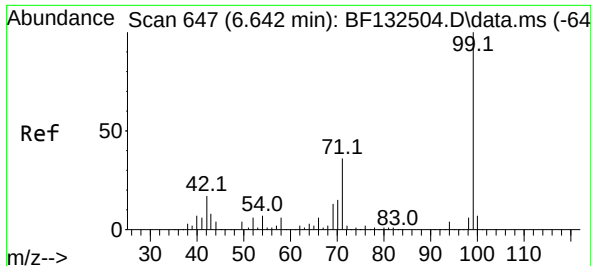


#5
2-Fluorophenol
Concen: 74.220 ng
RT: 5.625 min Scan# 474
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27



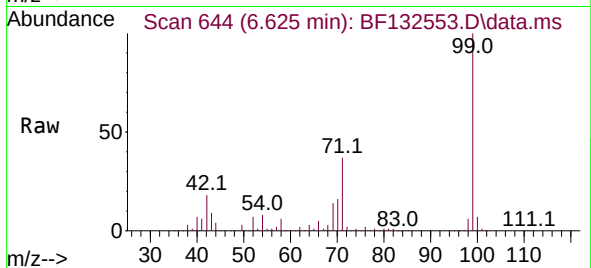
Tgt Ion:112 Resp: 650313
Ion Ratio Lower Upper
112 100
64 63.9 51.6 77.4
63 33.8 27.4 41.2





#7
Phenol-d6
Concen: 74.074 ng
RT: 6.625 min Scan# 647
Delta R.T. -0.012 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

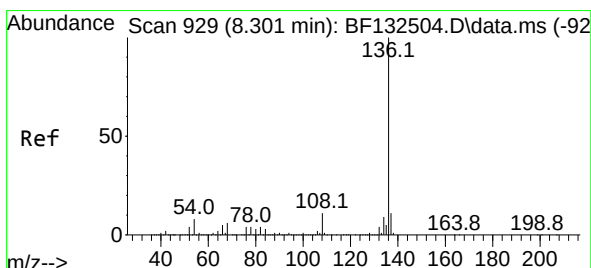
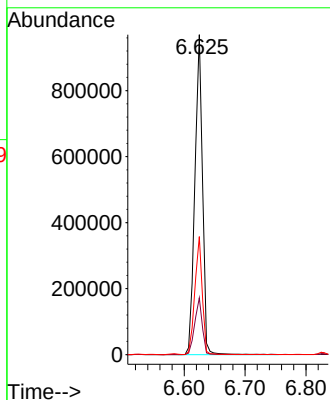
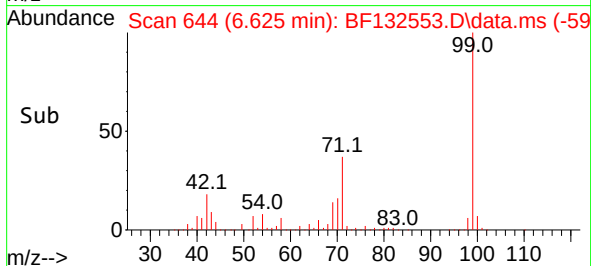
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ClientSampleId :
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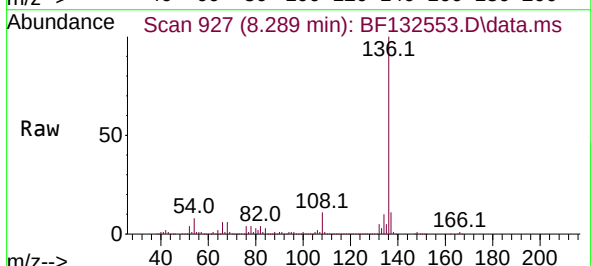
Tgt Ion: 99 Resp: 847050
Ion Ratio Lower Upper
99 100
42 17.7 13.9 20.9
71 36.9 28.5 42.7

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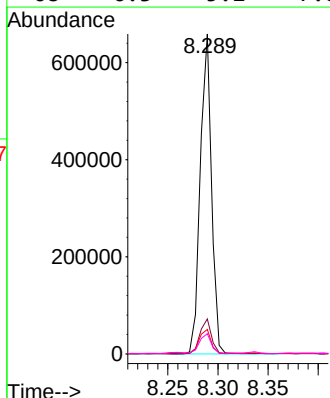
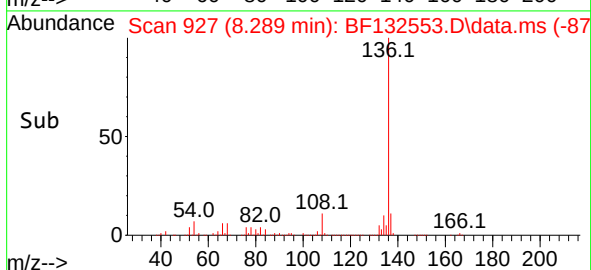
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

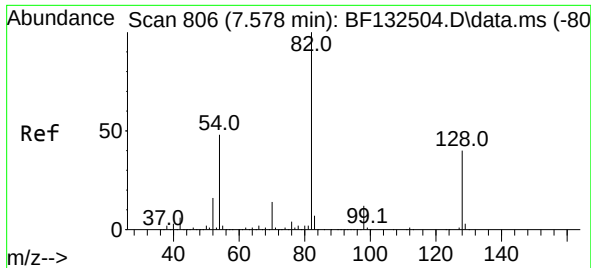


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. 0.000 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27



Tgt Ion:136 Resp: 512330
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.2 9.4
68 6.3 5.2 7.8





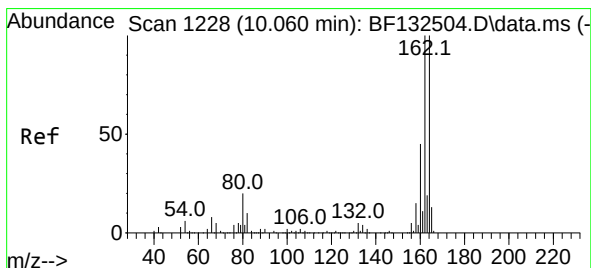
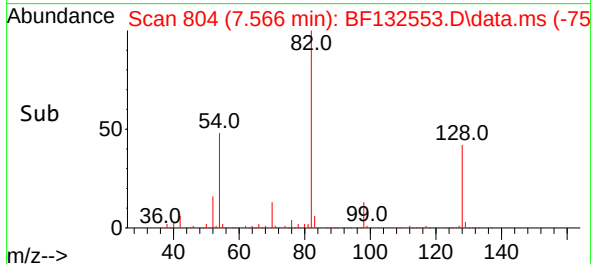
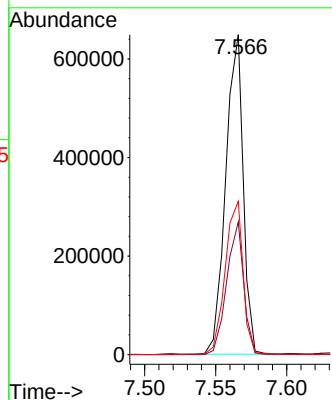
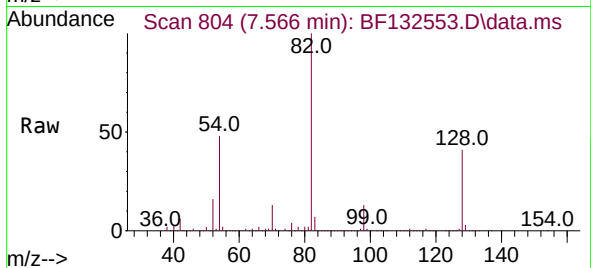
#23
Nitrobenzene-d5
Concen: 51.331 ng
RT: 7.566 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :
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BU-2-022223

Tgt Ion: 82 Resp: 554303
Ion Ratio Lower Upper
82 100
128 41.5 32.2 48.2
54 47.9 38.4 57.6

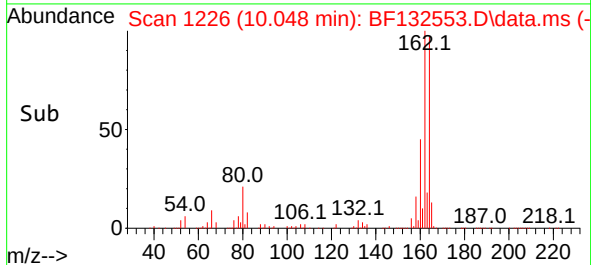
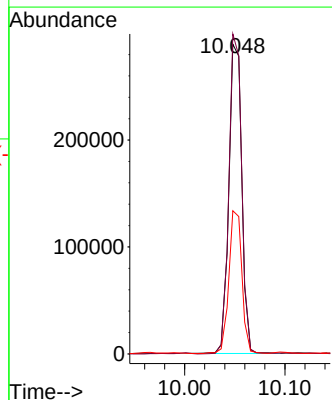
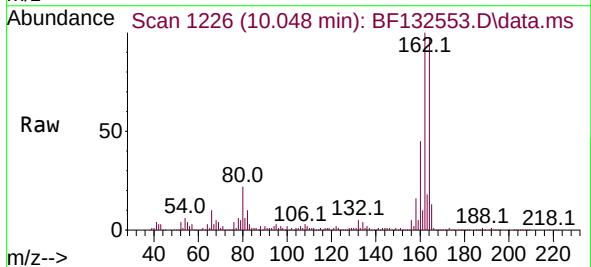
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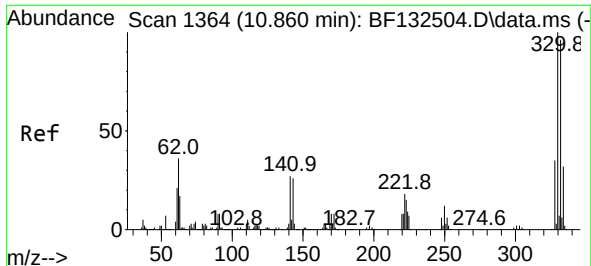
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.048 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:164 Resp: 260764
Ion Ratio Lower Upper
164 100
162 103.3 79.8 119.8
160 46.2 35.8 53.6





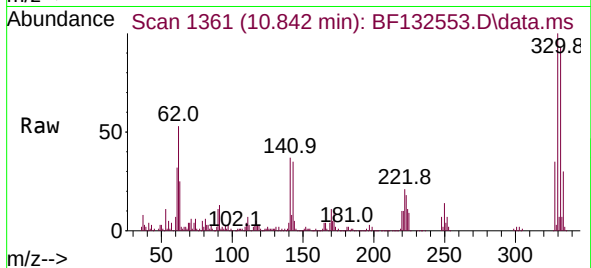
#42
2,4,6-Tribromophenol
Concen: 68.160 ng
RT: 10.842 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :

BNA_F

ClientSampleId :

BU-2-022223



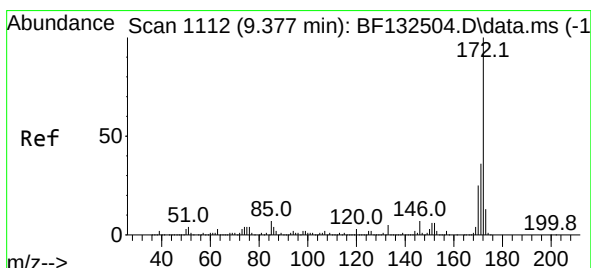
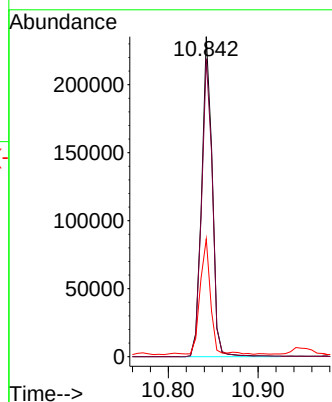
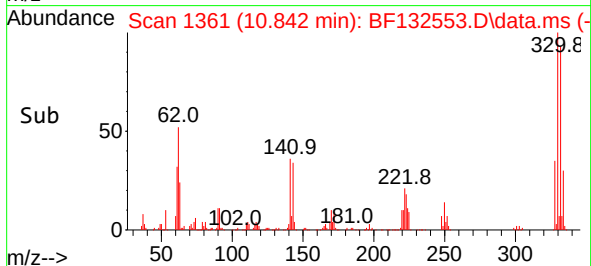
Tgt Ion: 330 Resp: 191948
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 34.4 28.4 42.6

Manual Integrations

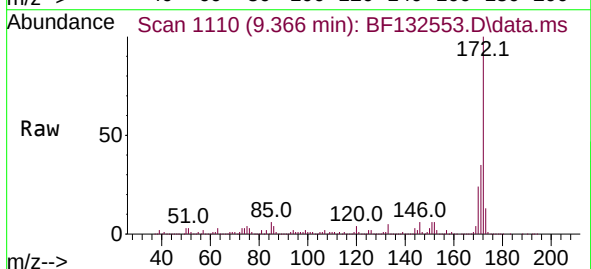
APPROVED

Reviewed By : Yogesh Patel 02/28/2023

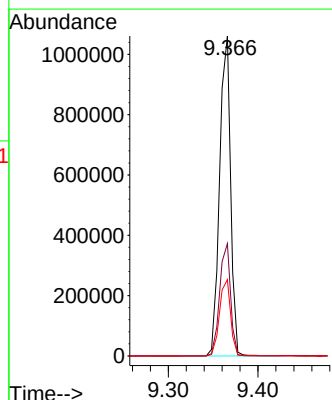
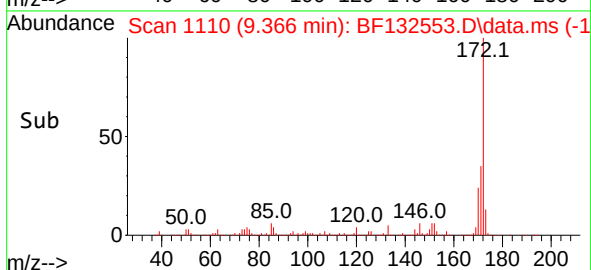
Supervised By : Jagrut Upadhyay 02/28/2023

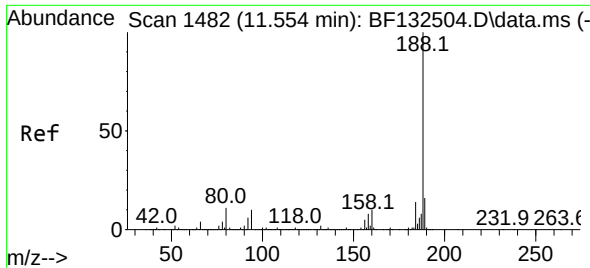


#45
2-Fluorobiphenyl
Concen: 52.653 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27



Tgt Ion: 172 Resp: 901716
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.8 19.7 29.5





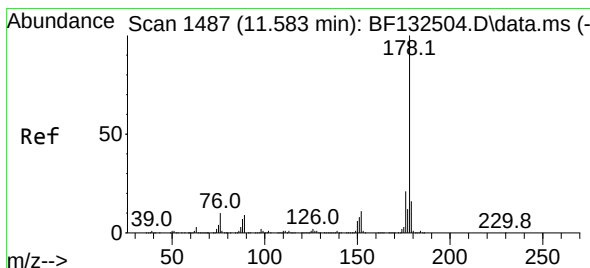
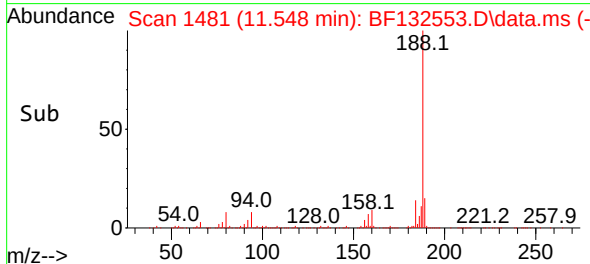
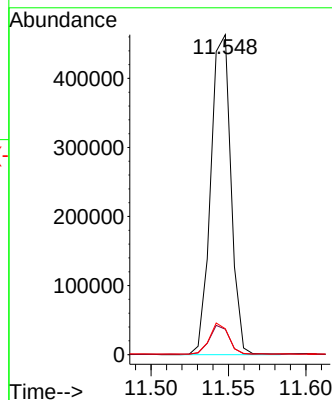
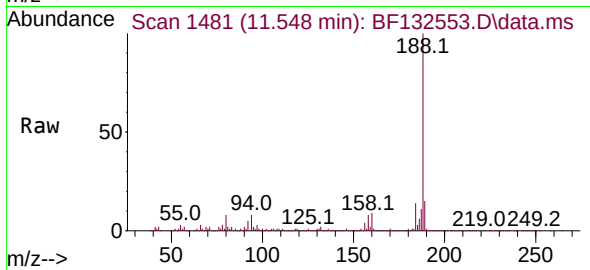
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Tgt Ion:188 Resp: 421561
Ion Ratio Lower Upper
188 100
94 7.9 8.3 12.5
80 8.1 8.7 13.1

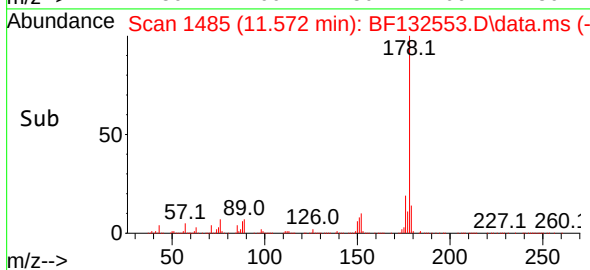
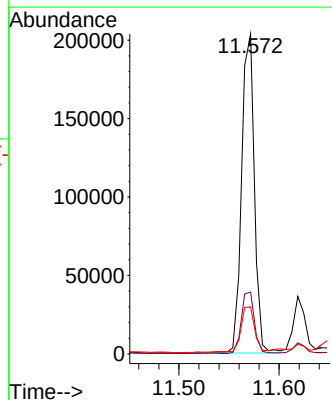
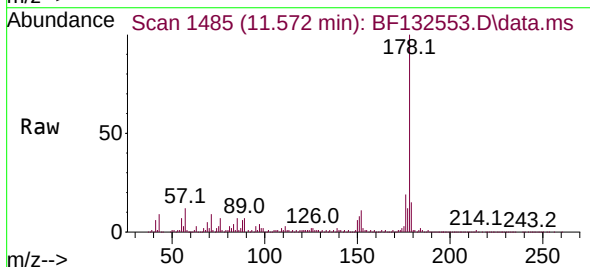
Manual Integrations
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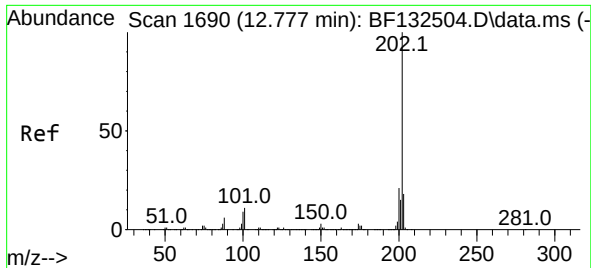
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#71
Phenanthrene
Concen: 8.230 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:178 Resp: 179726
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 14.7 13.0 19.6





#75
Fluoranthene
Concen: 11.471 ng
RT: 12.766 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :

BNA_F

ClientSampleId :

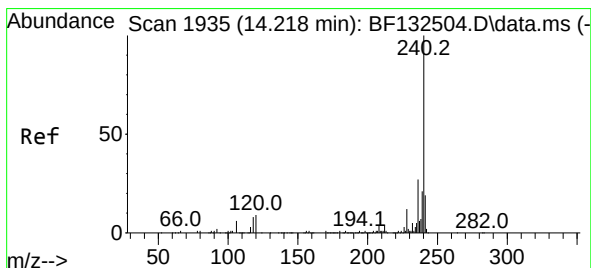
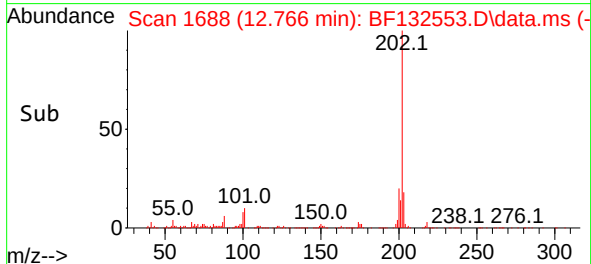
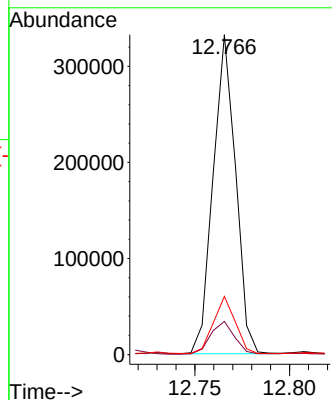
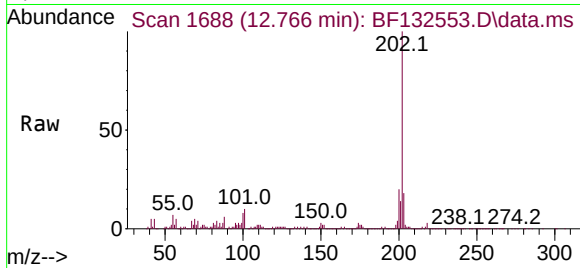
BU-2-022223

Tgt Ion:202 Resp: 273871
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 18.2 0.0 38.0

Manual Integrations

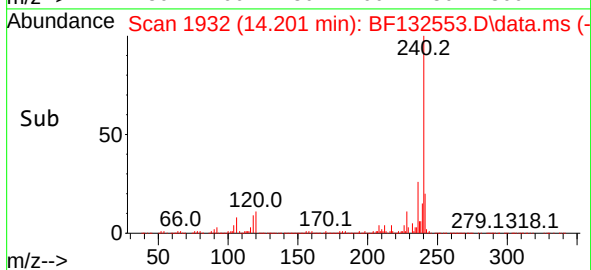
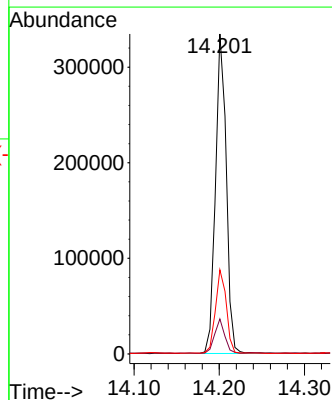
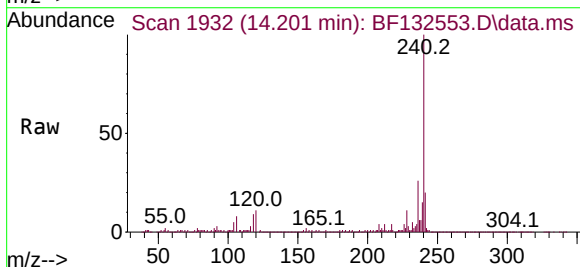
APPROVED

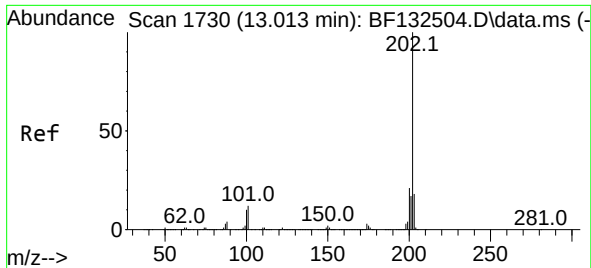
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

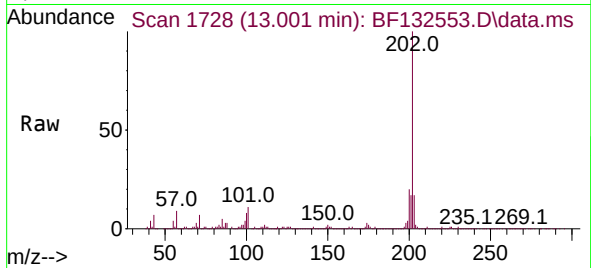
Tgt Ion:240 Resp: 293871
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8
236 26.3 21.8 32.6





#78
Pyrene
Concen: 11.470 ng
RT: 13.001 min Scan# 1728
Delta R.T. 0.000 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

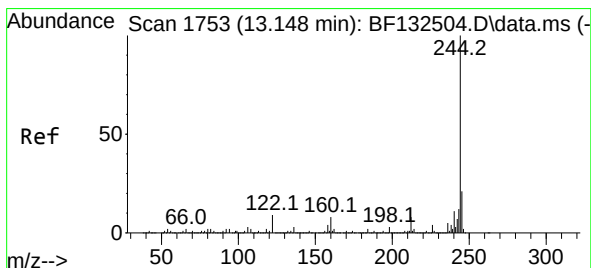
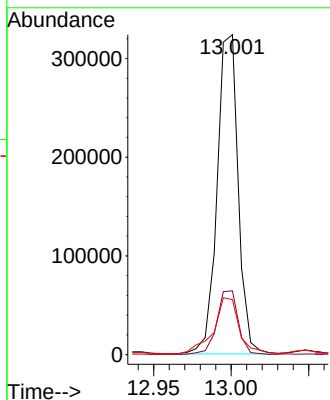
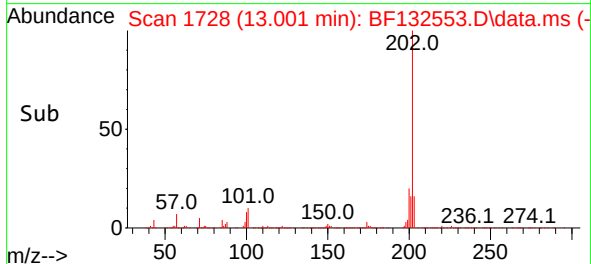
Instrument :
BNA_F
ClientSampleId :
BU-2-022223



Tgt Ion:202 Resp: 306449
Ion Ratio Lower Upper
202 100
200 19.9 17.1 25.7
203 17.2 14.6 21.8

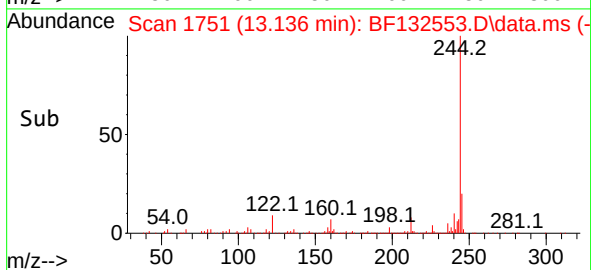
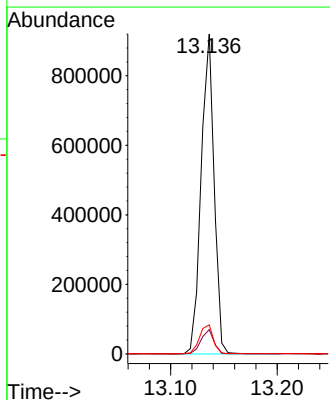
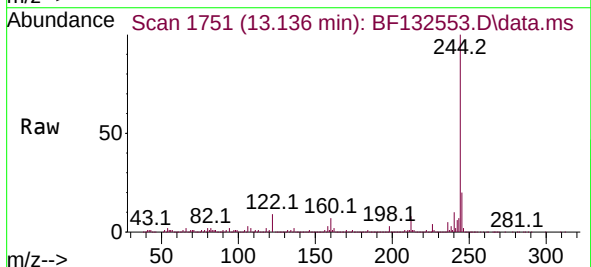
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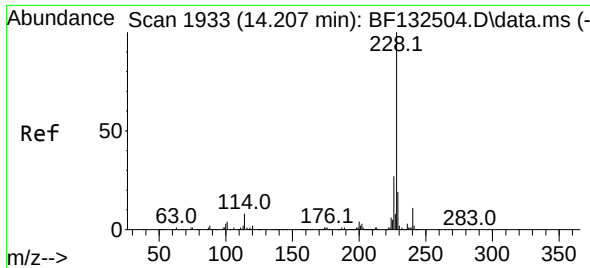
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#79
Terphenyl-d14
Concen: 44.549 ng
RT: 13.136 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:244 Resp: 774314
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 9.1 7.5 11.3





#81
Benzo(a)anthracene
Concen: 6.313 ng
RT: 14.189 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :

BNA_F

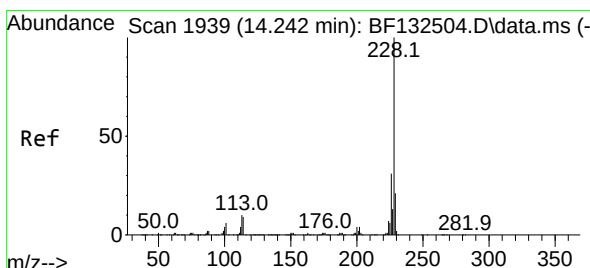
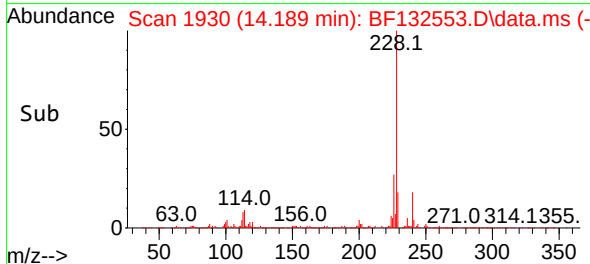
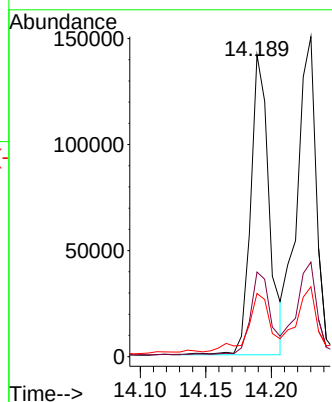
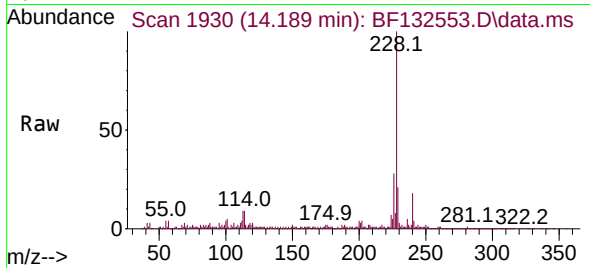
ClientSampleId :

BU-2-022223

Tgt Ion:228 Resp: 138819
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 20.9 15.4 23.2

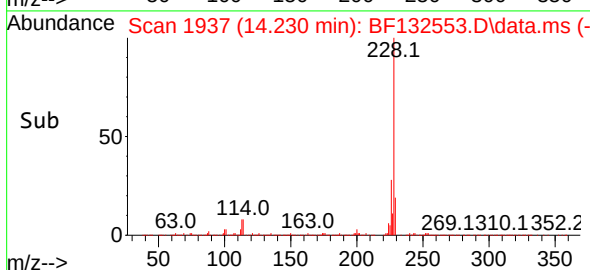
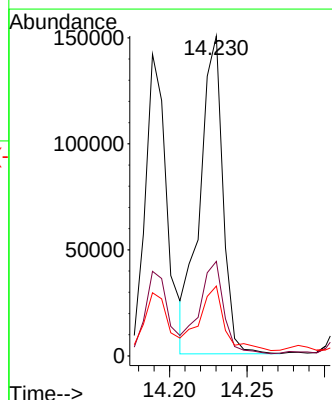
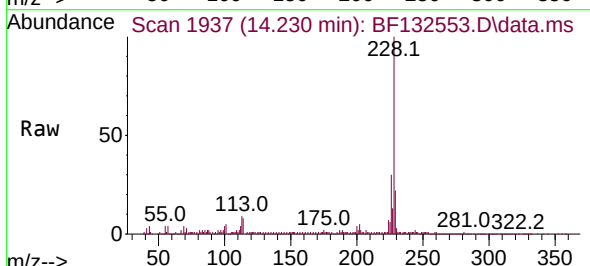
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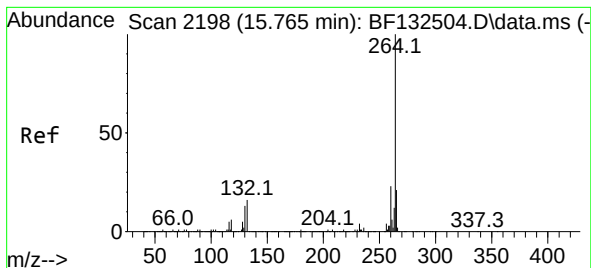
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#83
Chrysene
Concen: 7.535 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:228 Resp: 154938
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 21.8 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.759 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :

BNA_F

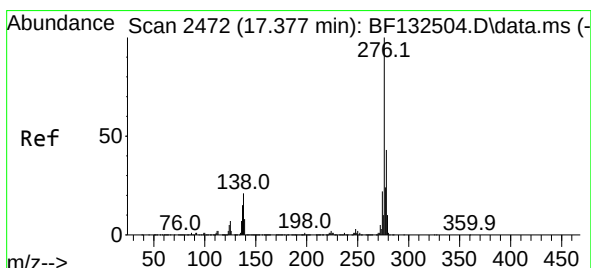
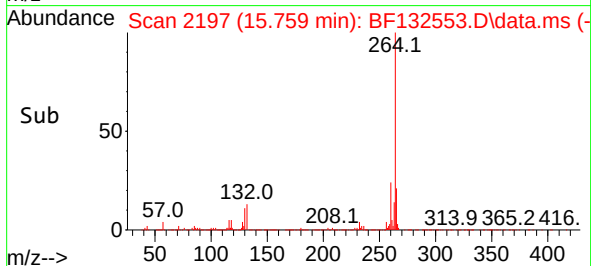
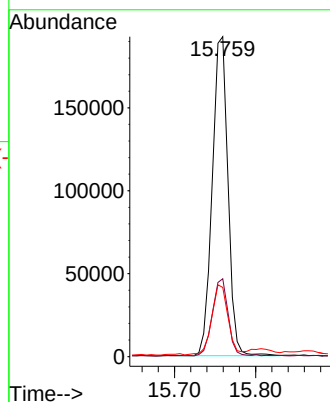
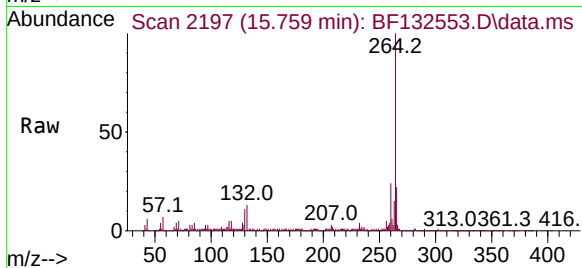
ClientSampleId :

BU-2-022223

Tgt Ion:264 Resp: 259575
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.6 17.1 25.7

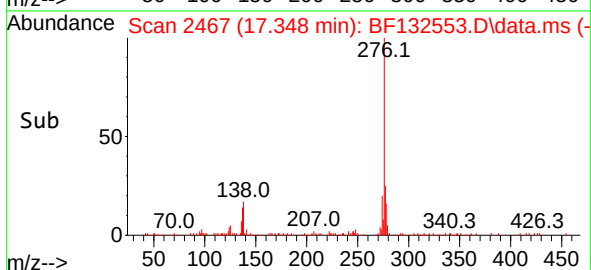
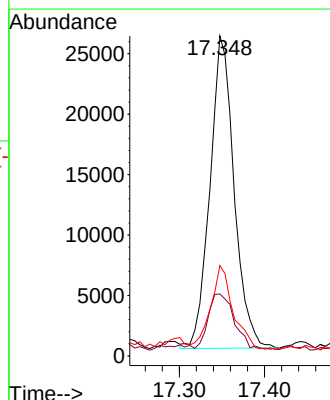
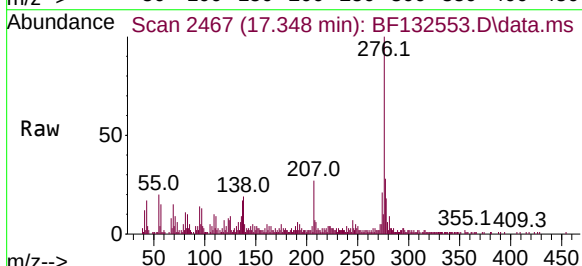
Manual Integrations
APPROVED

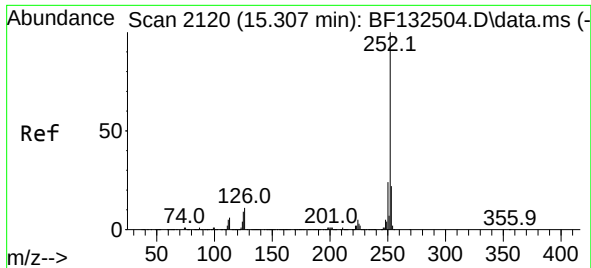
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.995 ng
RT: 17.348 min Scan# 2467
Delta R.T. -0.012 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:276 Resp: 50933
Ion Ratio Lower Upper
276 100
138 19.1 19.0 28.4
277 25.5 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 9.850 ng m
RT: 15.289 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :

BNA_F

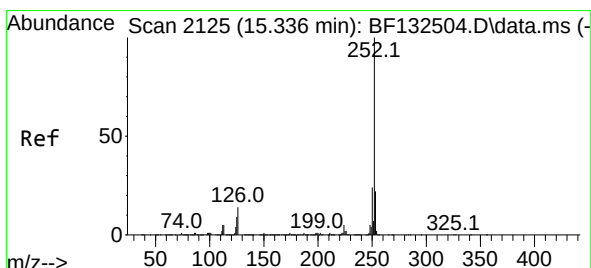
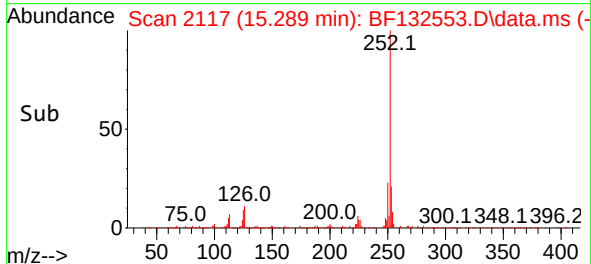
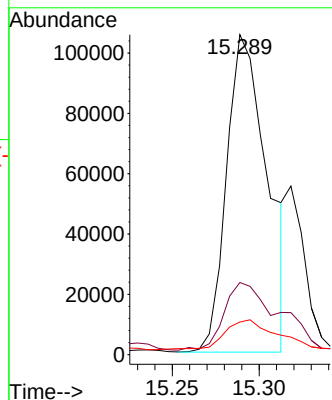
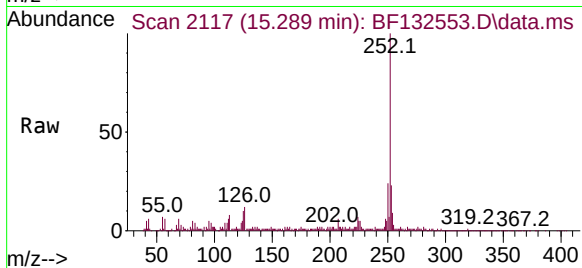
ClientSampleId :

BU-2-022223

Tgt Ion:252 Resp: 17134
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.2 7.0 10.6

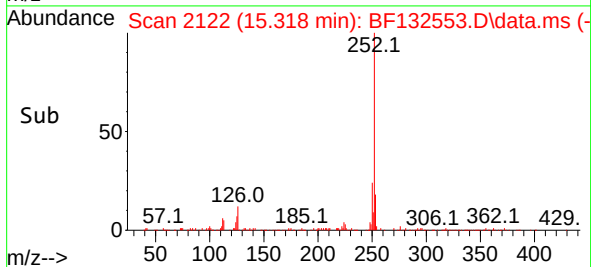
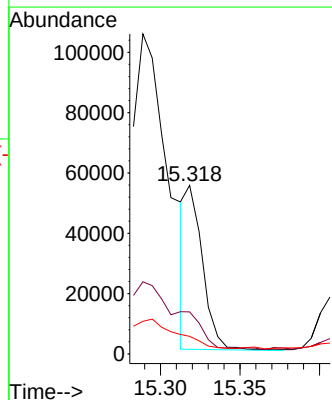
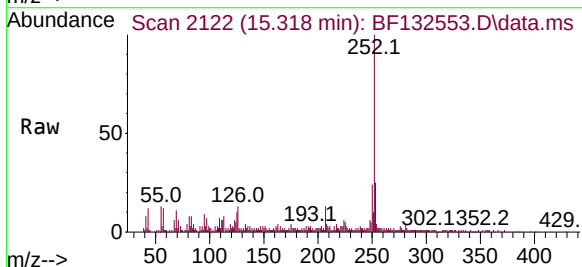
Manual Integrations
APPROVED

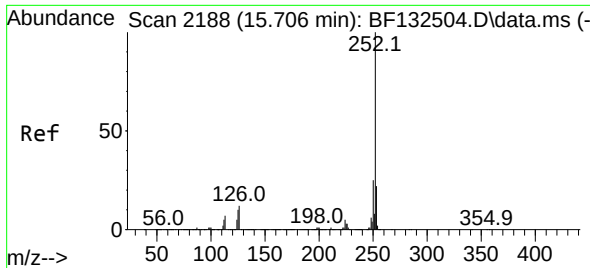
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#89
Benzo(k)fluoranthene
Concen: 2.374 ng m
RT: 15.318 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:252 Resp: 40424
Ion Ratio Lower Upper
252 100
253 24.9 17.5 26.3
125 10.4 7.2 10.8





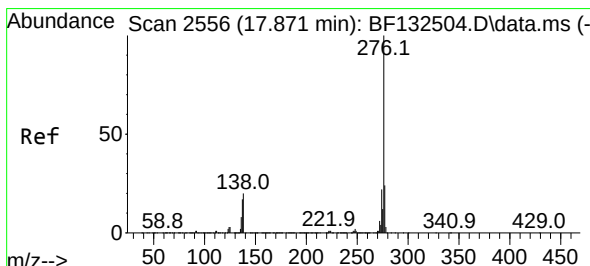
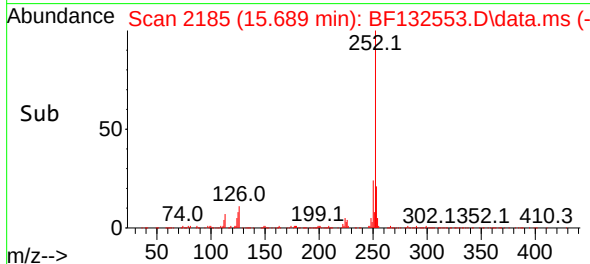
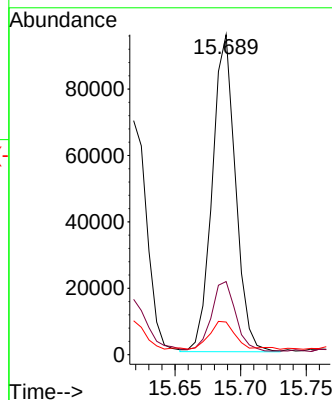
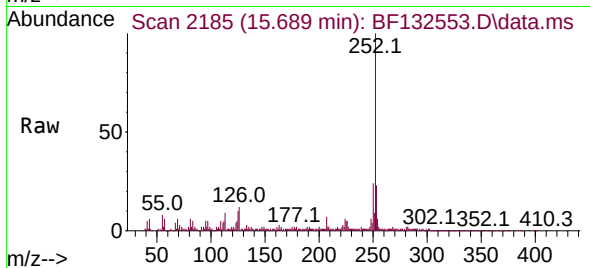
#90
Benzo(a)pyrene
Concen: 7.246 ng
RT: 15.689 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Instrument :
BNA_F
ClientSampleId :
BU-2-022223

Tgt Ion:252 Resp: 117968
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 10.2 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#92
Benzo(g,h,i)perylene
Concen: 4.903 ng
RT: 17.836 min Scan# 2550
Delta R.T. -0.018 min
Lab File: BF132553.D
Acq: 27 Feb 2023 15:27

Tgt Ion:276 Resp: 53294
Ion Ratio Lower Upper
276 100
277 23.0 18.9 28.3
138 19.5 16.2 24.4

