

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
 Data File : BF132614.D
 Acq On : 02 Mar 2023 18:42
 Operator : CG\JU
 Sample : 01760-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023

Quant Time: Mar 03 00:37:52 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	6.998	152	222622	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	882111	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	416260	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	612239	20.000	ng	0.00
76) Chrysene-d12	14.204	240	409512	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	391970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1105214	80.573	ng	0.00
7) Phenol-d6	6.628	99	1380306	77.104	ng	0.00
23) Nitrobenzene-d5	7.563	82	904981	48.674	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	285159	63.433	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1398613	51.161	ng	0.00
79) Terphenyl-d14	13.133	244	1084055	44.757	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.568	178	236328	7.451	ng	97
72) Anthracene	11.621	178	77335	2.368	ng	98
75) Fluoranthene	12.763	202	477669	13.776	ng	98
78) Pyrene	12.998	202	374818	10.067	ng	98
81) Benzo(a)anthracene	14.192	228	157215	5.131	ng	98
83) Chrysene	14.227	228	184869	6.452	ng	96
87) Indeno(1,2,3-cd)pyrene	17.356	276	58804	2.290	ng	99
88) Benzo(b)fluoranthene	15.292	252	222384m	8.466	ng	
89) Benzo(k)fluoranthene	15.321	252	53278m	2.072	ng	
90) Benzo(a)pyrene	15.692	252	110570	4.498	ng	98
92) Benzo(g,h,i)perylene	17.839	276	56249	3.913	ng	98

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

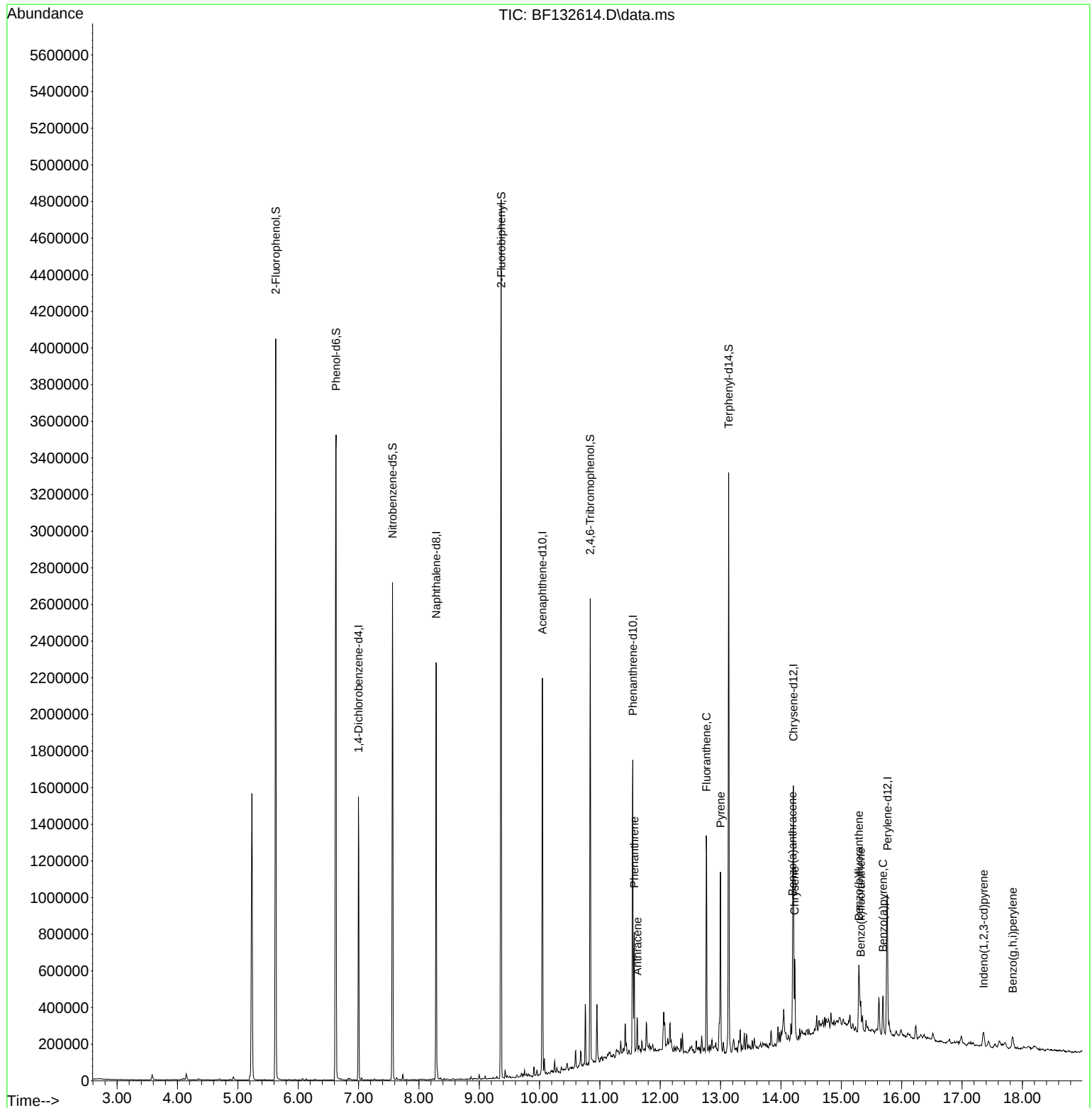
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
Data File : BF132614.D
Acq On : 02 Mar 2023 18:42
Operator : CG\JU
Sample : 01760-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

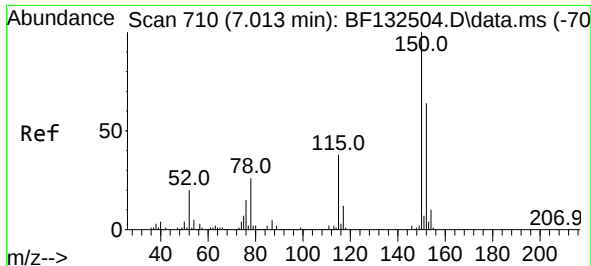
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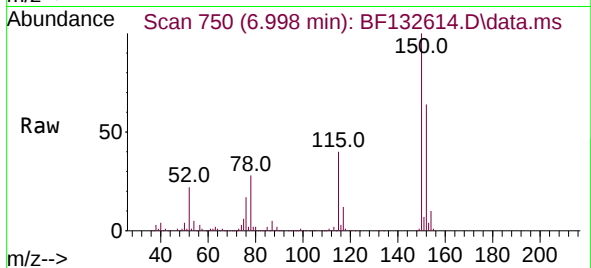
Quant Time: Mar 03 00:37:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

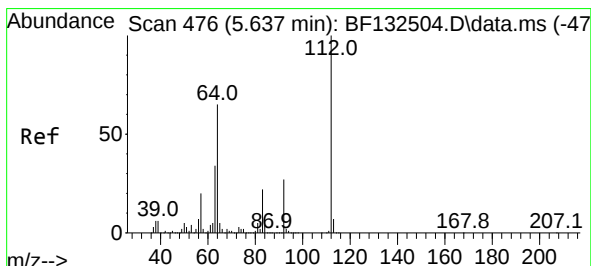
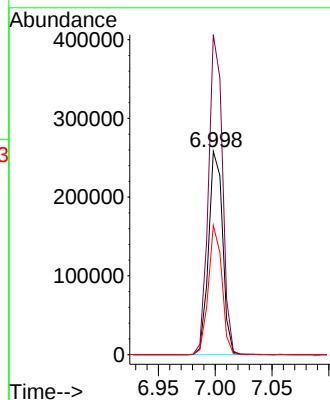
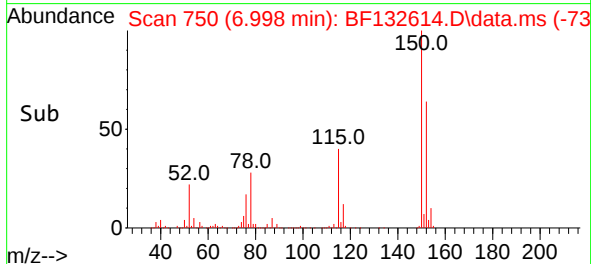
Instrument :
BNA_F
ClientSampleId :
72-11998



Tgt Ion:152 Resp: 222622
Ion Ratio Lower Upper
152 100
150 157.4 125.4 188.2
115 63.6 47.8 71.6

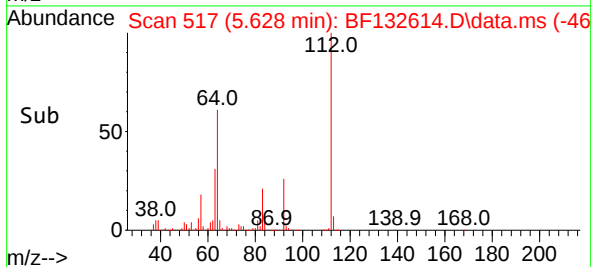
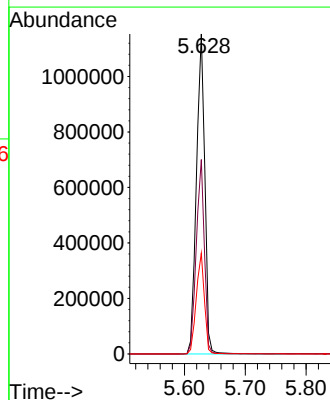
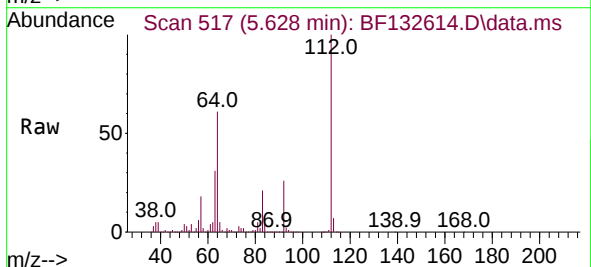
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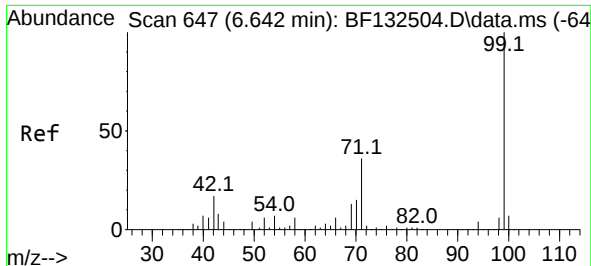
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#5
2-Fluorophenol
Concen: 80.573 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

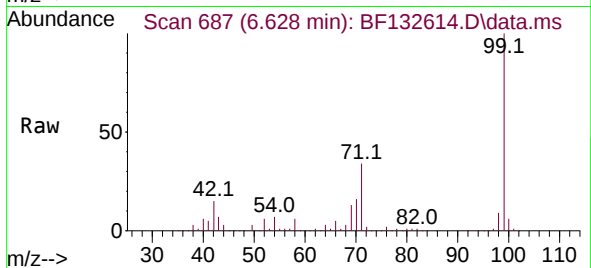
Tgt Ion:112 Resp: 1105214
Ion Ratio Lower Upper
112 100
64 60.8 51.6 77.4
63 31.5 27.4 41.2





#7
Phenol-d6
Concen: 77.104 ng
RT: 6.628 min Scan# 687
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

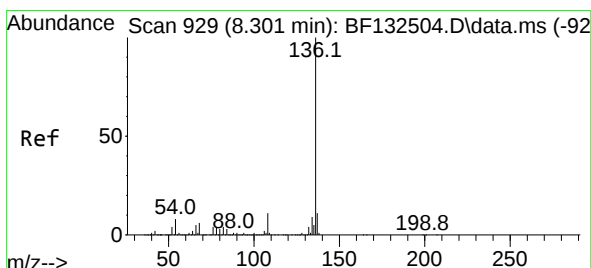
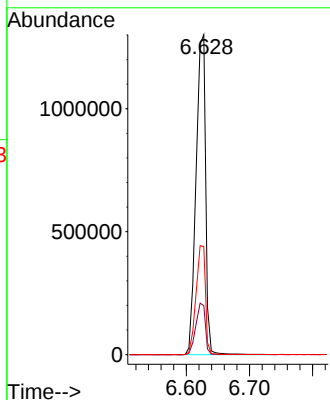
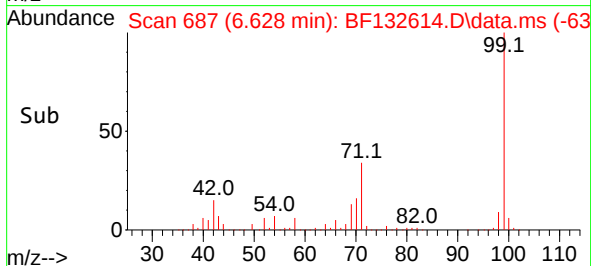
Instrument :
BNA_F
ClientSampleId :
72-11998



Tgt Ion: 99 Resp: 1380306
Ion Ratio Lower Upper
99 100
42 15.3 13.9 20.9
71 33.8 28.5 42.7

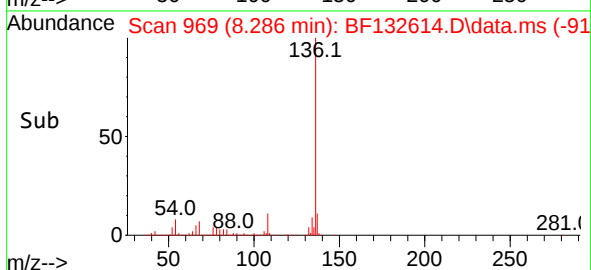
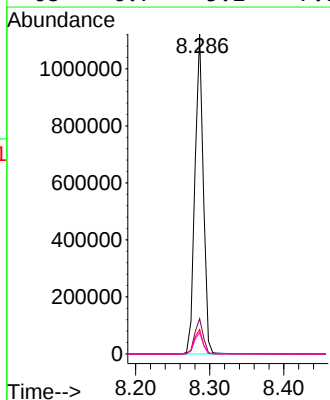
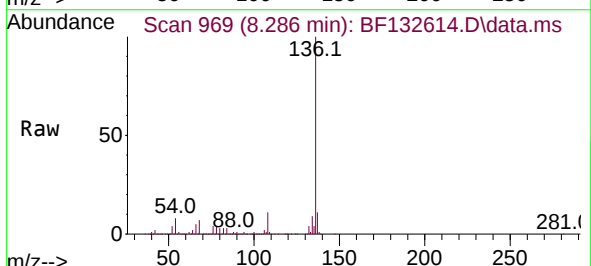
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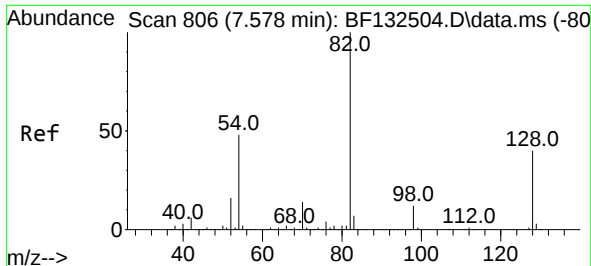
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:136 Resp: 882111
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.6 6.2 9.4
68 6.7 5.2 7.8





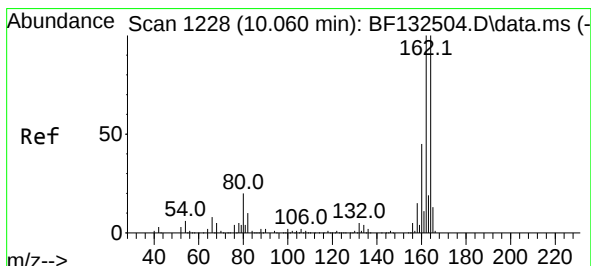
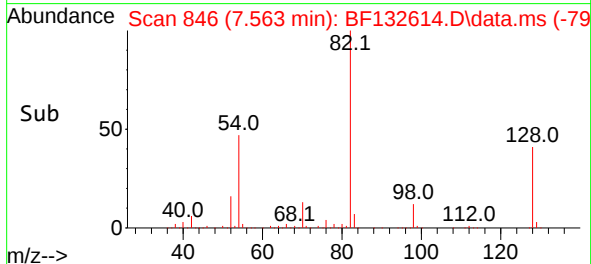
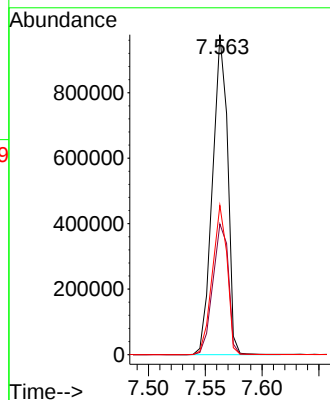
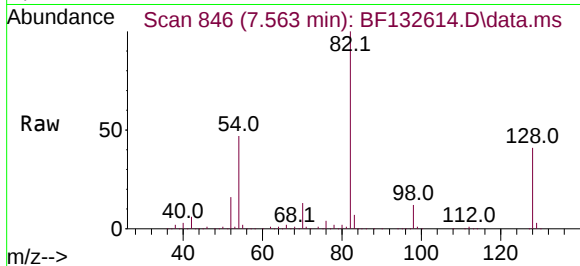
#23
Nitrobenzene-d5
Concen: 48.674 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Instrument :
BNA_F
ClientSampleId :
72-11998

Tgt Ion: 82 Resp: 90498
Ion Ratio Lower Upper
82 100
128 40.8 32.2 48.2
54 46.6 38.4 57.6

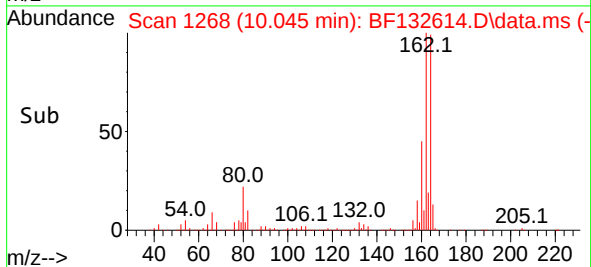
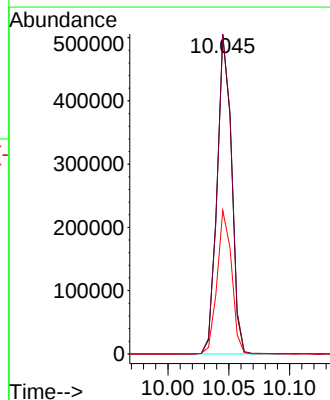
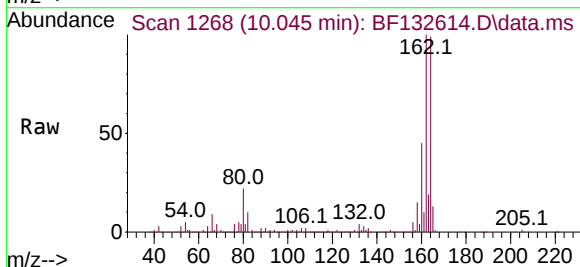
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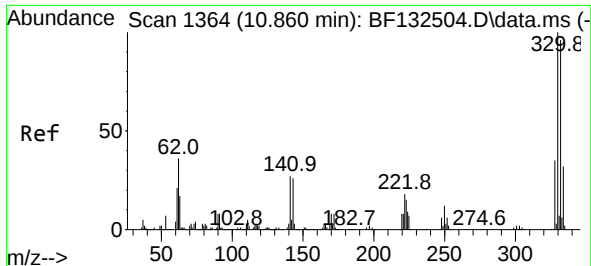
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:164 Resp: 416260
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.8
160 45.1 35.8 53.6





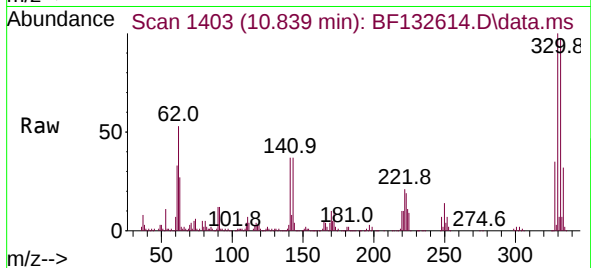
#42
2,4,6-Tribromophenol
Concen: 63.433 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

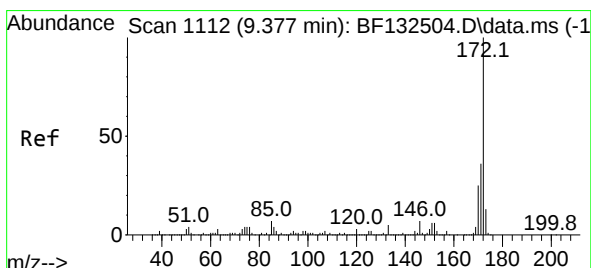
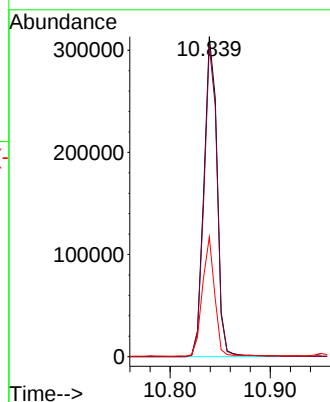
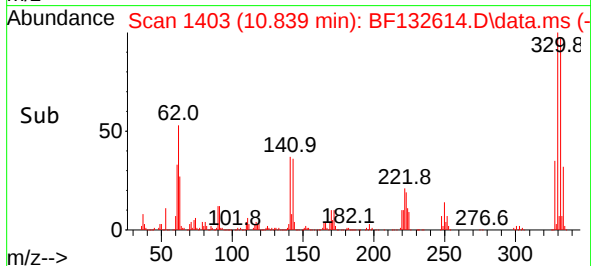


Tgt Ion:330 Resp: 285159
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 34.8 28.4 42.6

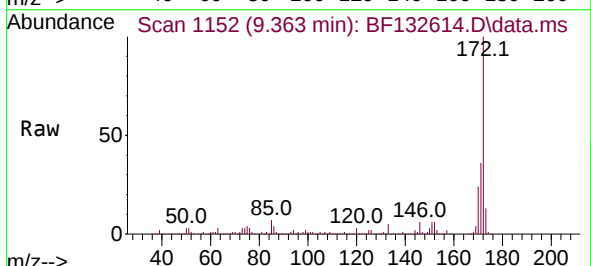
Manual Integrations

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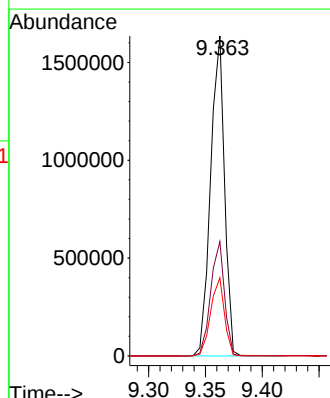
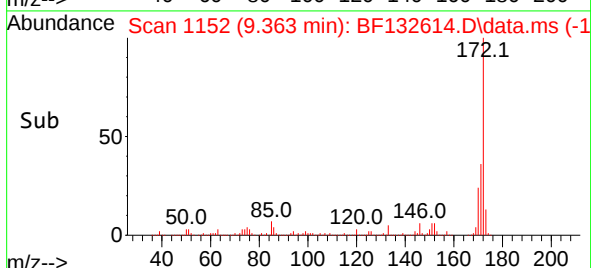
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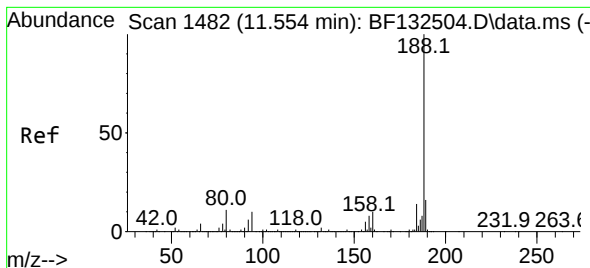


#45
2-Fluorobiphenyl
Concen: 51.161 ng
RT: 9.363 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42



Tgt Ion:172 Resp: 1398613
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.4 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

Tgt Ion:188 Resp: 612239

Ion Ratio Lower Upper

188 100

94 9.0 8.3 12.5

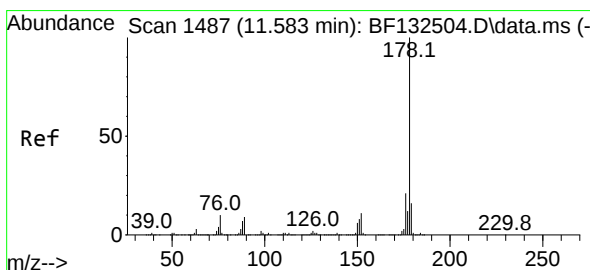
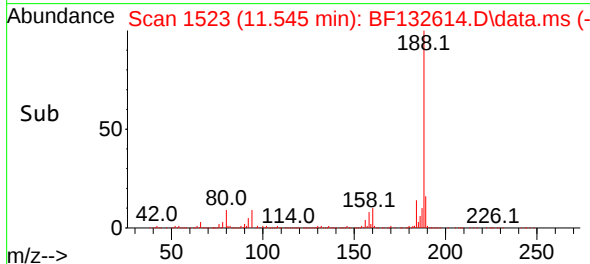
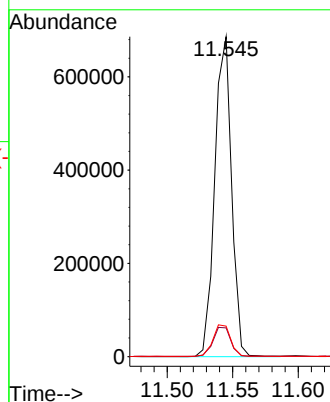
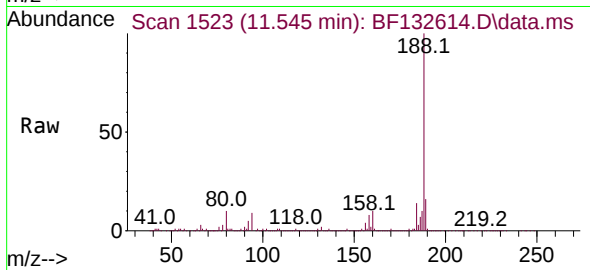
80 9.5 8.7 13.1

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#71

Phenanthrene

Concen: 7.451 ng

RT: 11.568 min Scan# 1527

Delta R.T. -0.009 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

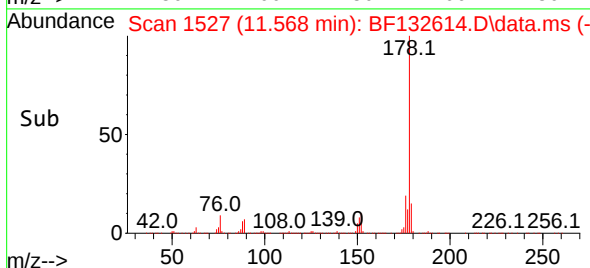
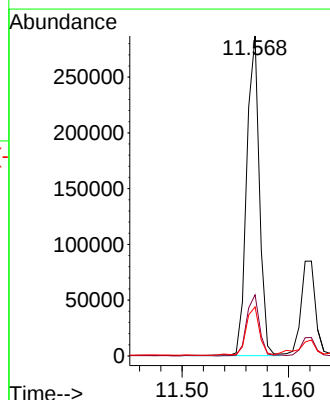
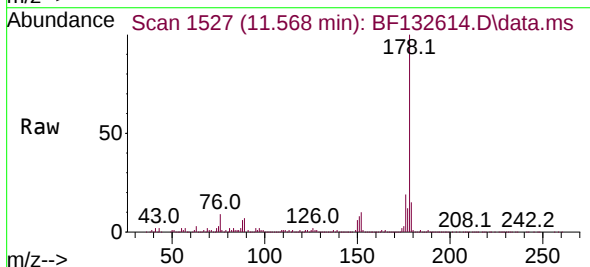
Tgt Ion:178 Resp: 236328

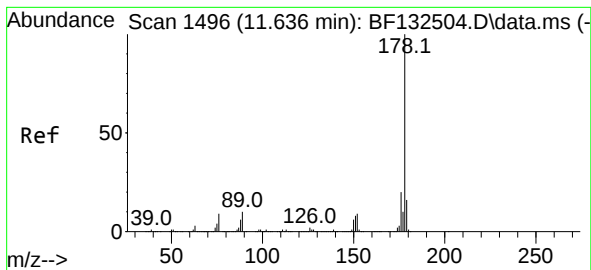
Ion Ratio Lower Upper

178 100

176 19.1 16.5 24.7

179 15.3 13.0 19.6





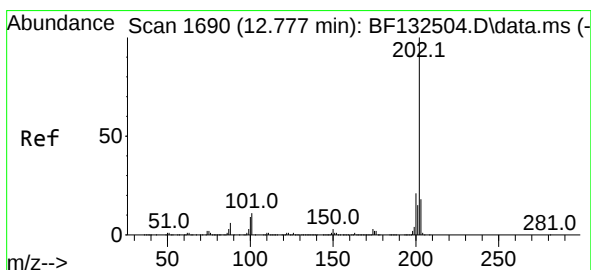
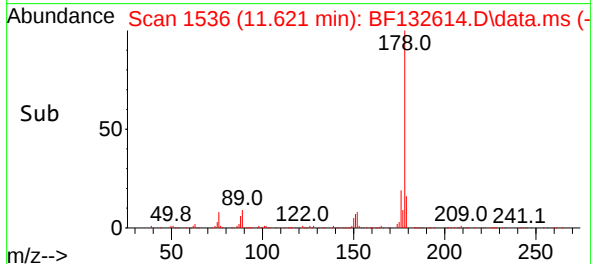
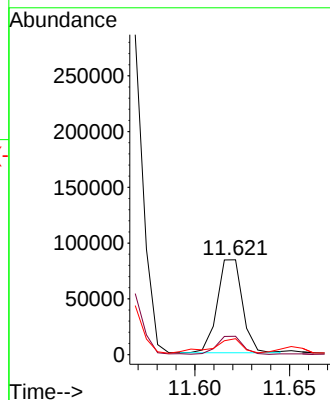
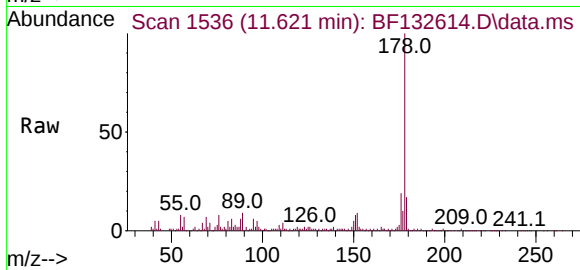
#72
 Anthracene
 Concen: 2.368 ng
 RT: 11.621 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132614.D
 Acq: 02 Mar 2023 18:42

Instrument :
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 72-11998

Tgt Ion:178 Resp: 77335
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 16.9 12.5 18.7

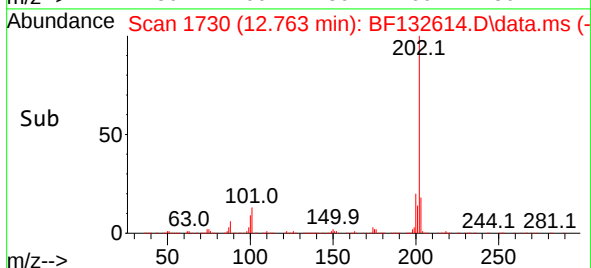
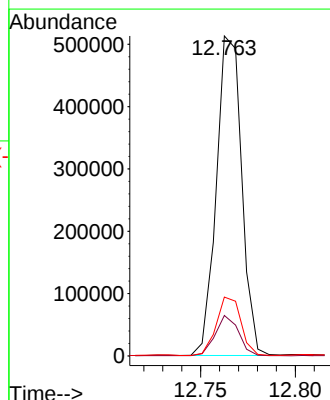
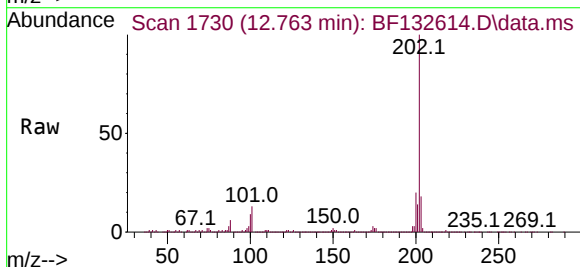
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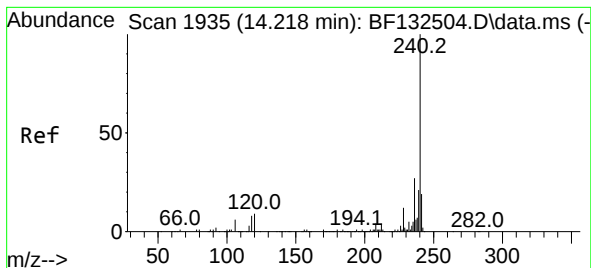
Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023



#75
 Fluoranthene
 Concen: 13.776 ng
 RT: 12.763 min Scan# 1730
 Delta R.T. -0.009 min
 Lab File: BF132614.D
 Acq: 02 Mar 2023 18:42

Tgt Ion:202 Resp: 477669
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.4
 203 18.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.204 min Scan# 1935

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

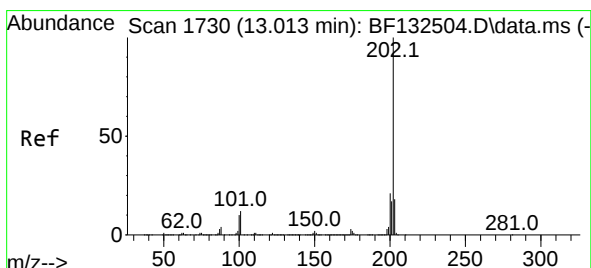
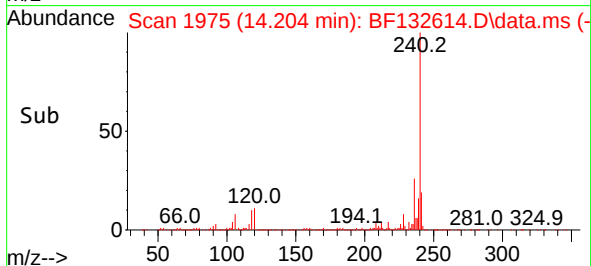
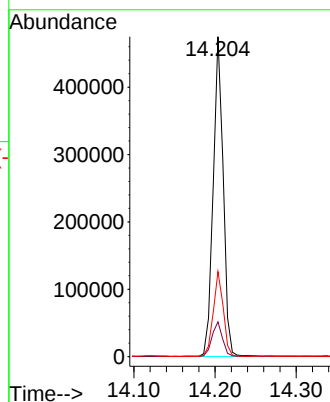
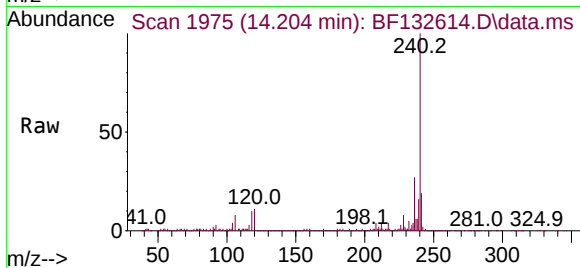
Tgt Ion:240 Resp: 409512
 Ion Ratio Lower Upper
 240 100
 120 10.9 7.2 10.8
 236 26.6 21.8 32.6

Manual Integrations

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#78

Pyrene

Concen: 10.067 ng

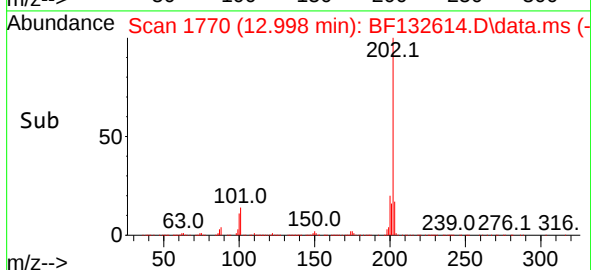
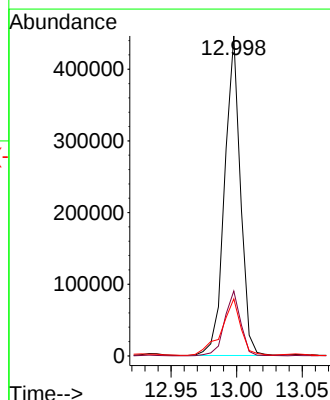
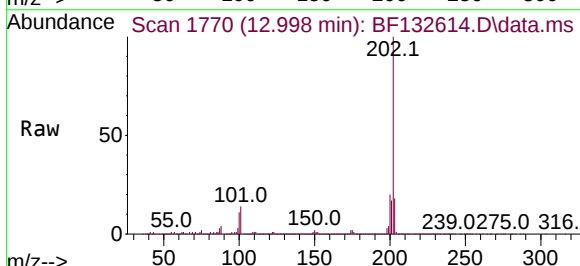
RT: 12.998 min Scan# 1770

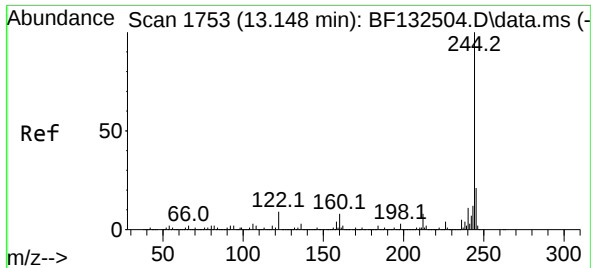
Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

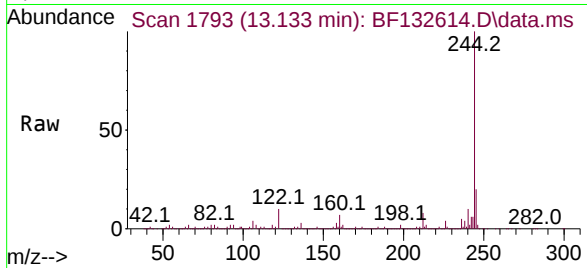
Tgt Ion:202 Resp: 374818
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.1 25.7
 203 17.8 14.6 21.8





#79
Terphenyl-d14
Concen: 44.757 ng
RT: 13.133 min Scan# 1753
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

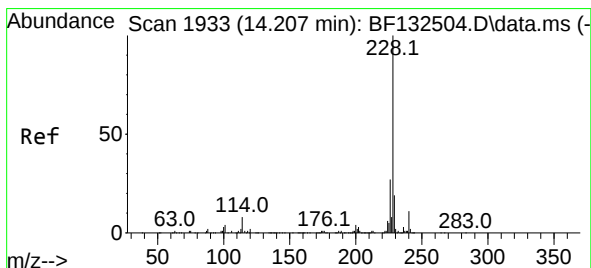
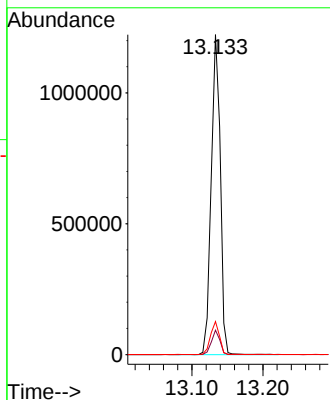
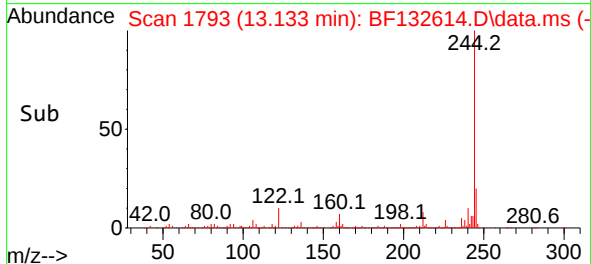
Instrument :
BNA_F
ClientSampleId :
72-11998



Tgt Ion:244 Resp: 1084055
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 10.3 7.5 11.3

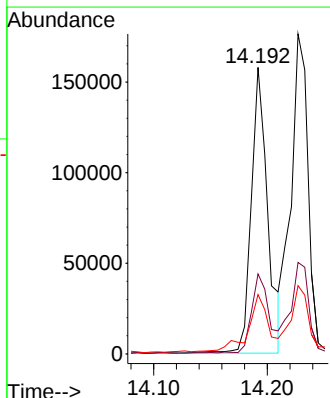
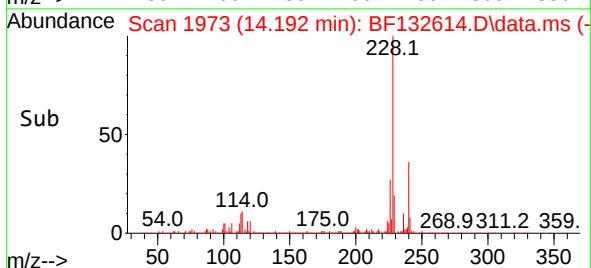
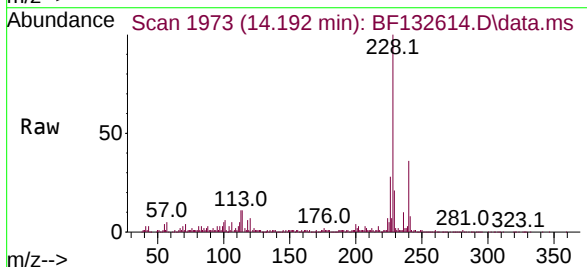
Manual Integrations
APPROVED

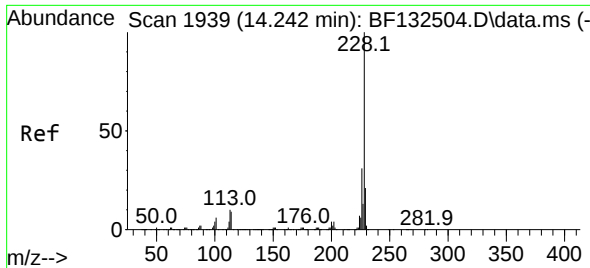
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

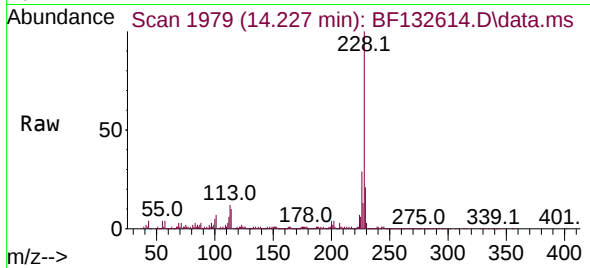
Tgt Ion:228 Resp: 157215
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 20.7 15.4 23.2





#83
Chrysene
Concen: 6.452 ng
RT: 14.227 min Scan# 1939
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

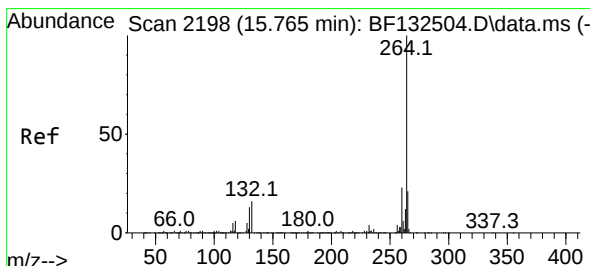
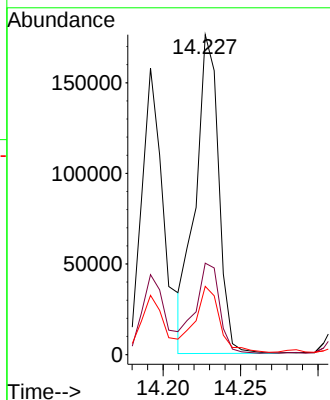
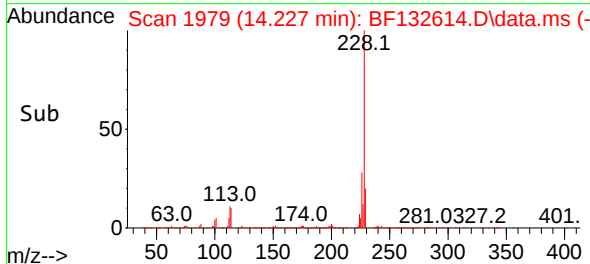
Instrument :
BNA_F
ClientSampleId :
72-11998



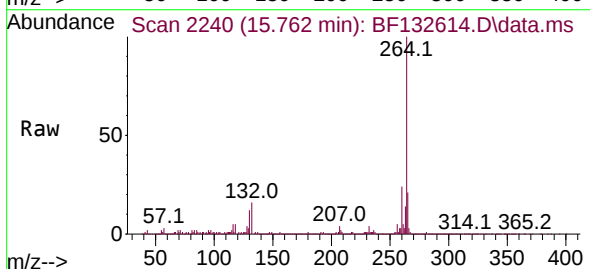
Tgt Ion:228 Resp: 184869
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.6
229 21.3 16.4 24.6

Manual Integrations
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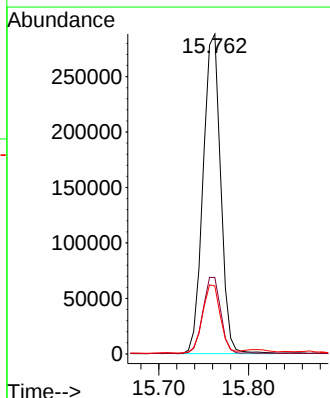
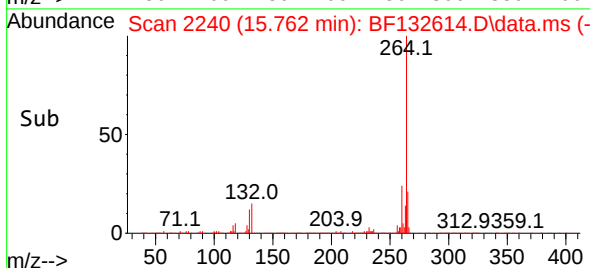
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

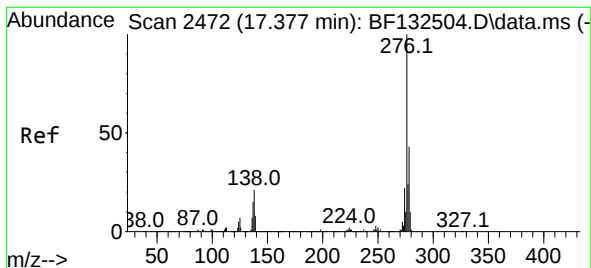


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.762 min Scan# 2240
Delta R.T. 0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42



Tgt Ion:264 Resp: 391970
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 21.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.290 ng

RT: 17.356 min Scan# 211

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

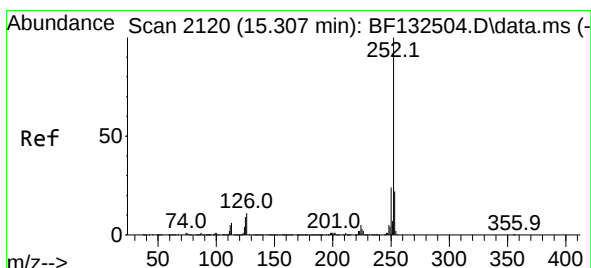
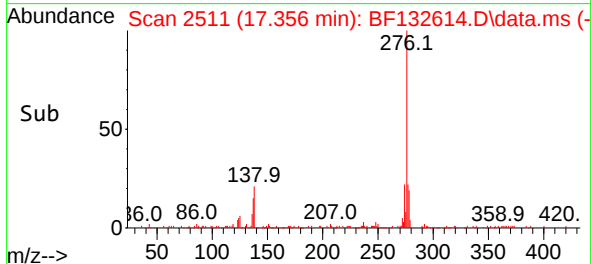
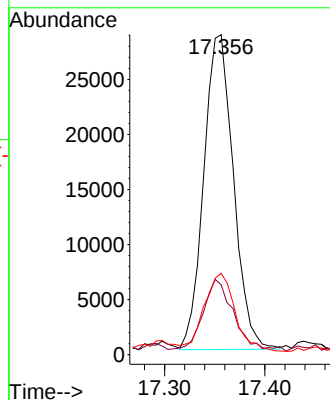
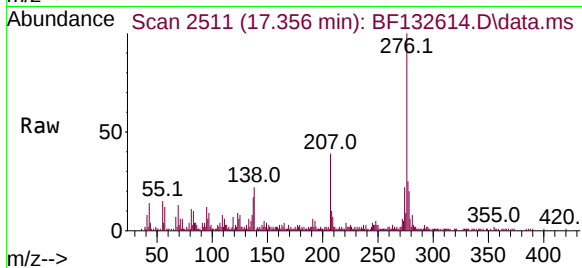
Tgt Ion:	276	Resp:	58804
Ion Ratio	Lower	Upper	
276	100		
138	23.7	19.0	28.4
277	25.9	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#88

Benzo(b)fluoranthene

Concen: 8.466 ng m

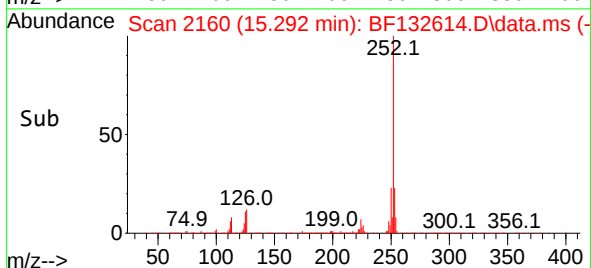
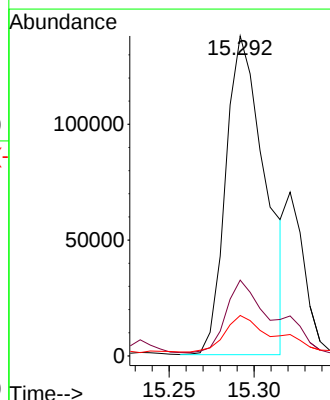
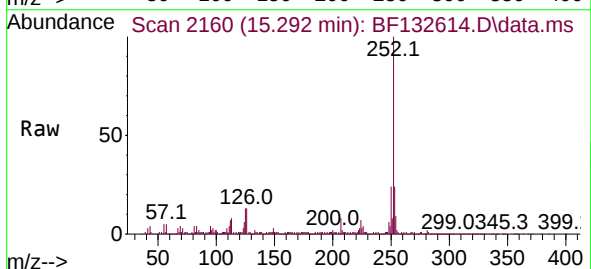
RT: 15.292 min Scan# 2160

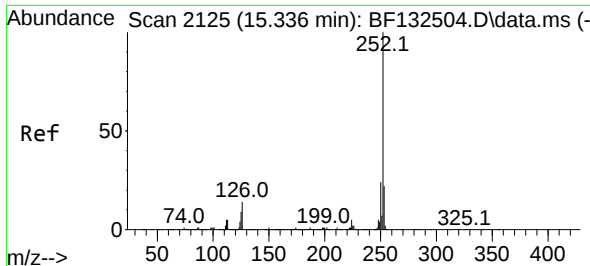
Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Tgt Ion:	252	Resp:	222384
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.0
125	12.6	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 2.072 ng m

RT: 15.321 min Scan# 2125

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

Tgt Ion:252 Resp: 53278

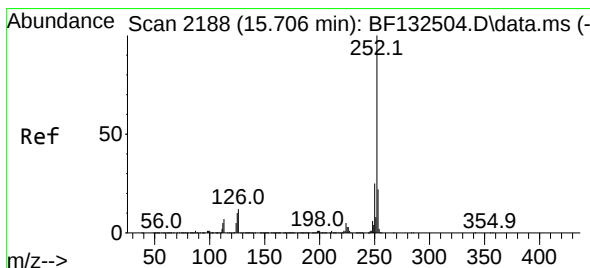
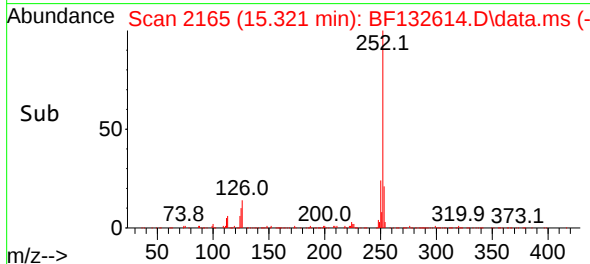
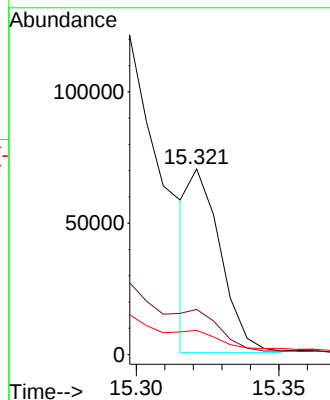
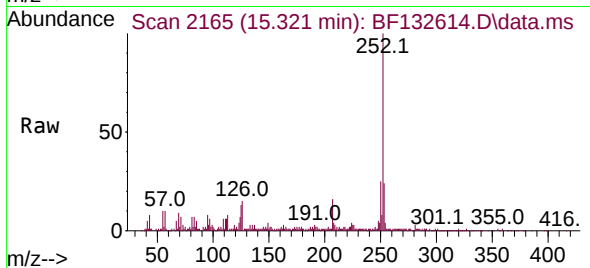
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	13.0	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#90

Benzo(a)pyrene

Concen: 4.498 ng

RT: 15.692 min Scan# 2228

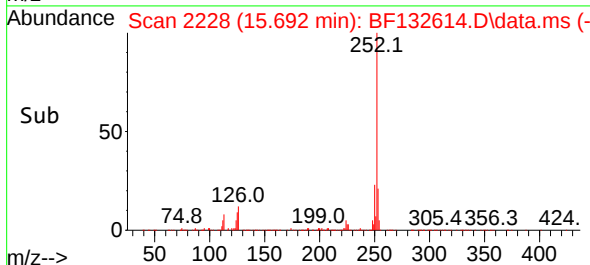
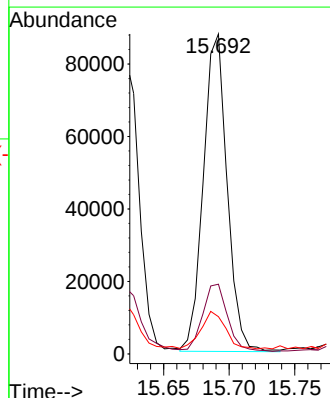
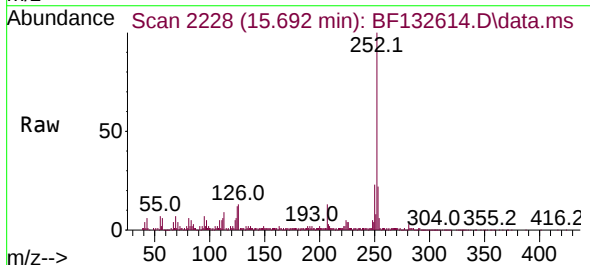
Delta R.T. 0.003 min

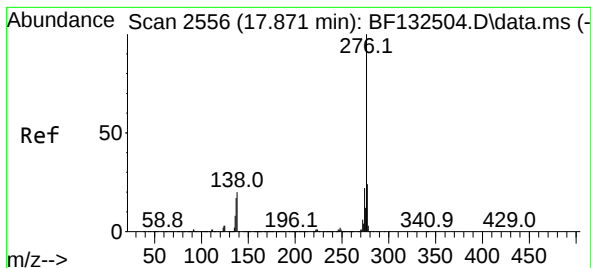
Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Tgt Ion:252 Resp: 110570

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.6	8.0	12.0





#92

Benzo(g,h,i)perylene

Concen: 3.913 ng

RT: 17.839 min Scan# 2593

Delta R.T. -0.015 min

Lab File: BF132614.D

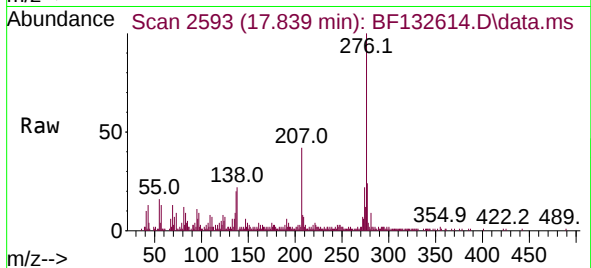
Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998



Tgt Ion: 276 Resp: 56249

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 22.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 03/03/2023

Supervised By : Jagrut Upadhyay 03/03/2023

