

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132630.D
 Acq On : 03 Mar 2023 15:56
 Operator : CG\JU
 Sample : 01767-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-54-030123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 02:17:47 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	179125	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	597747	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	270194	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	427300	20.000	ng	0.00
76) Chrysene-d12	14.204	240	390041	20.000	ng	0.00
86) Perylene-d12	15.757	264	460977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	912883	82.712	ng	0.00
7) Phenol-d6	6.622	99	1099258	76.316	ng	-0.01
23) Nitrobenzene-d5	7.563	82	694596	55.131	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	201388	69.016	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1087238	61.271	ng	-0.01
79) Terphenyl-d14	13.133	244	1012427	43.887	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.563	178	71340	3.223	ng	98
75) Fluoranthene	12.763	202	255191	10.545	ng	99
78) Pyrene	12.998	202	331748	9.355	ng	98
81) Benzo(a)anthracene	14.192	228	205013	7.025	ng	98
83) Chrysene	14.227	228	171322	6.278	ng	98
87) Indeno(1,2,3-cd)pyrene	17.351	276	120139	3.977	ng	98
88) Benzo(b)fluoranthene	15.292	252	275477m	8.917	ng	
89) Benzo(k)fluoranthene	15.321	252	87233m	2.885	ng	
90) Benzo(a)pyrene	15.692	252	240370	8.314	ng	97
92) Benzo(g,h,i)perylene	17.839	276	122569	5.873	ng	97

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

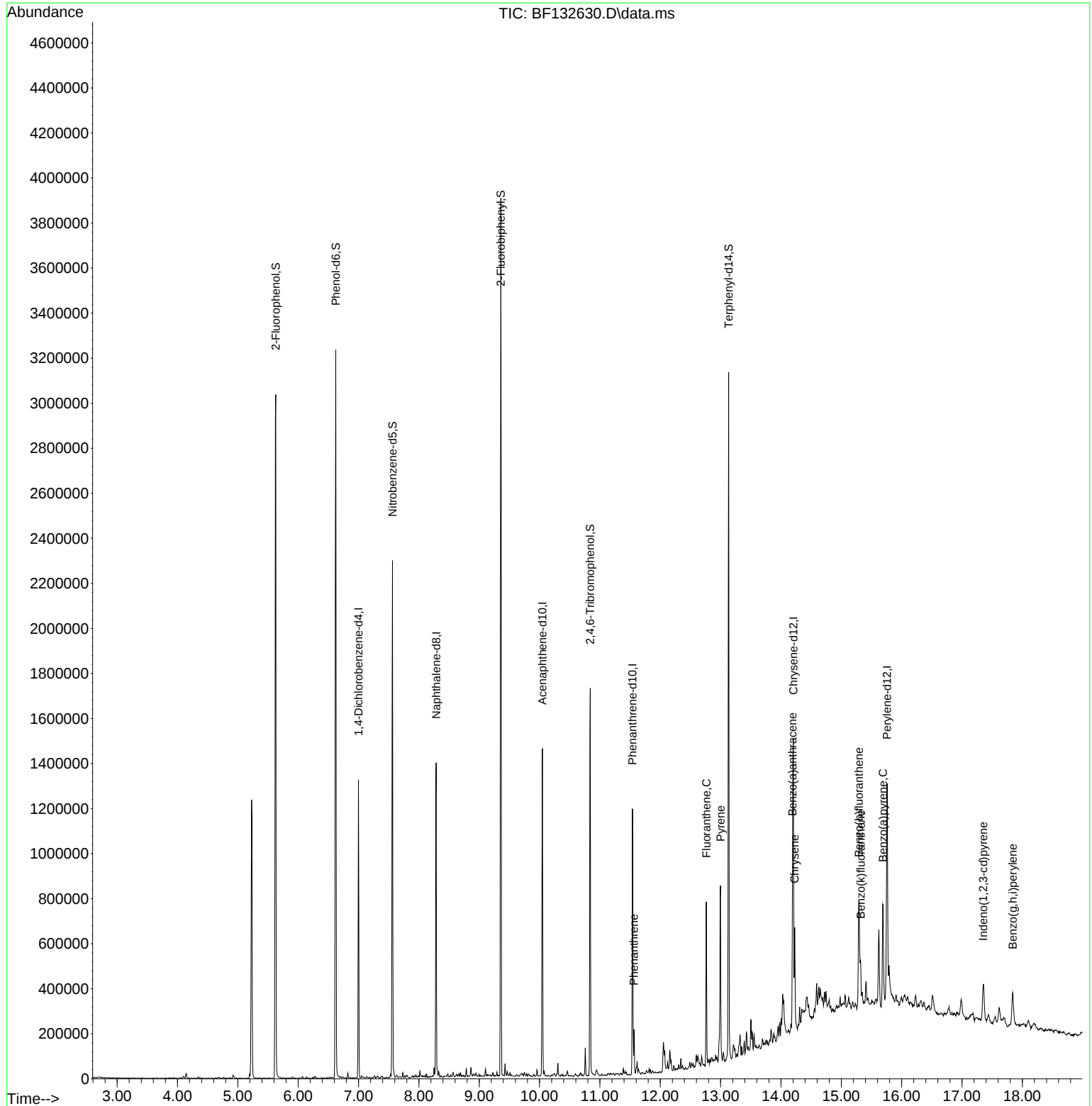
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
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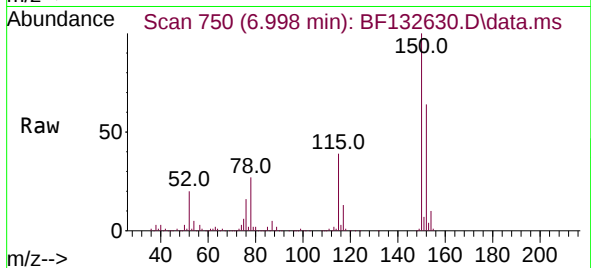
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Supervised By : Jagrut Upadhyay 03/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

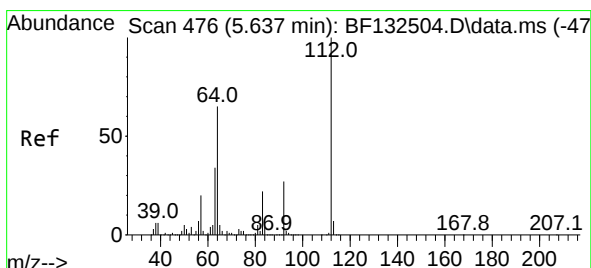
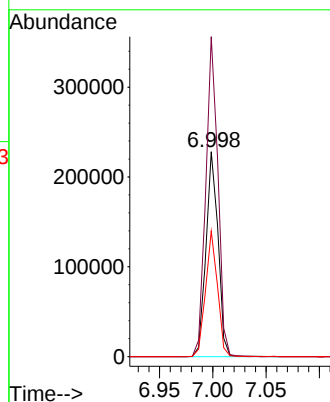
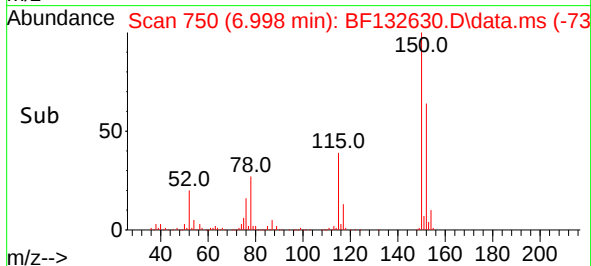
Instrument :
BNA_F
ClientSampleId :
CE-54-030123



Tgt Ion:152 Resp: 179125
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 61.3 47.8 71.6

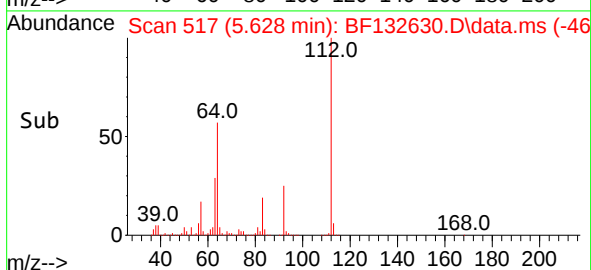
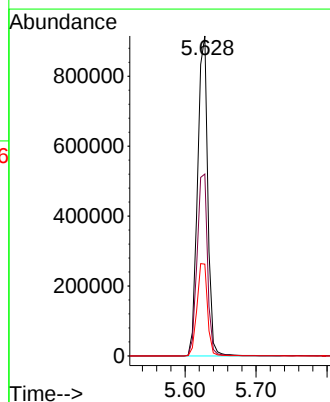
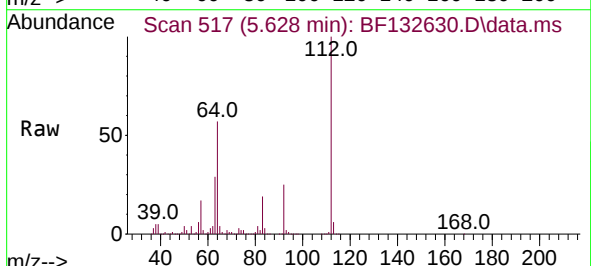
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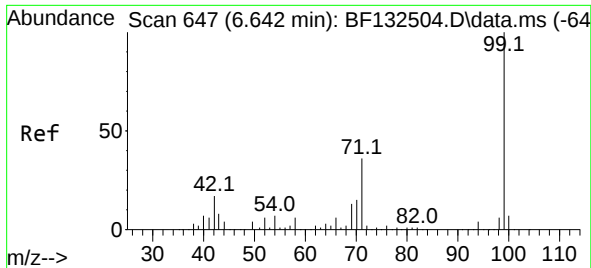
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#5
2-Fluorophenol
Concen: 82.712 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

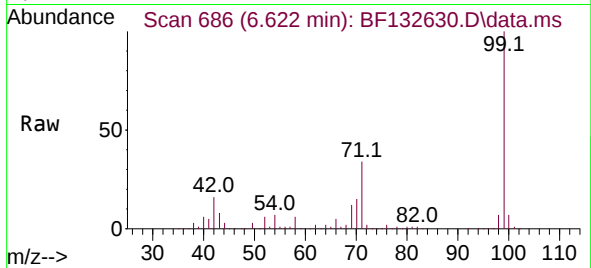
Tgt Ion:112 Resp: 912883
Ion Ratio Lower Upper
112 100
64 56.8 51.6 77.4
63 28.7 27.4 41.2





#7
Phenol-d6
Concen: 76.316 ng
RT: 6.622 min Scan# 686
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

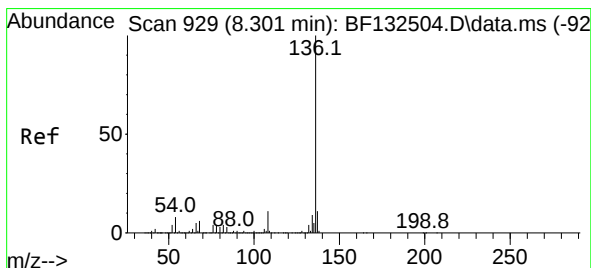
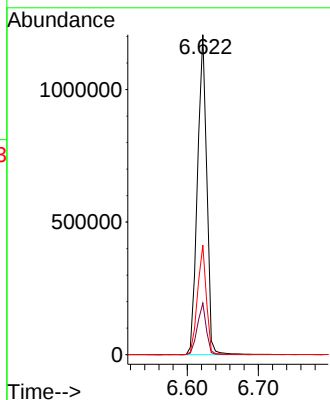
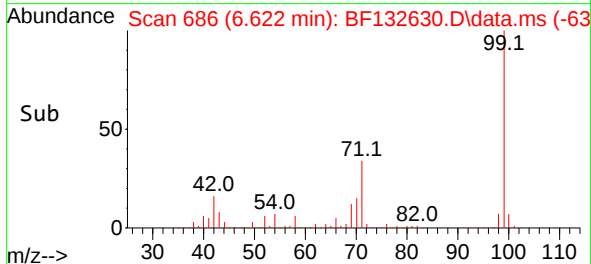
Instrument :
BNA_F
ClientSampleId :
CE-54-030123



Tgt Ion: 99 Resp: 1099258
Ion Ratio Lower Upper
99 100
42 16.1 13.9 20.9
71 34.2 28.5 42.7

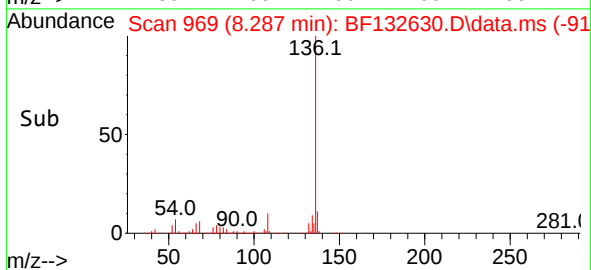
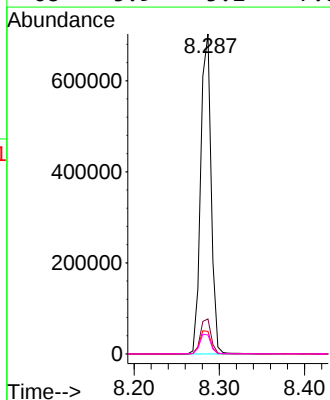
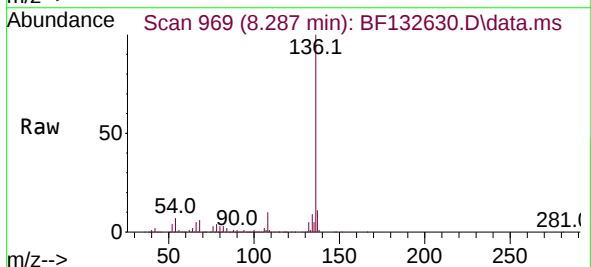
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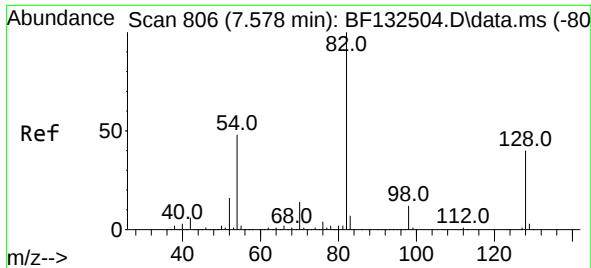
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:136 Resp: 597747
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 6.2 9.4
68 5.9 5.2 7.8





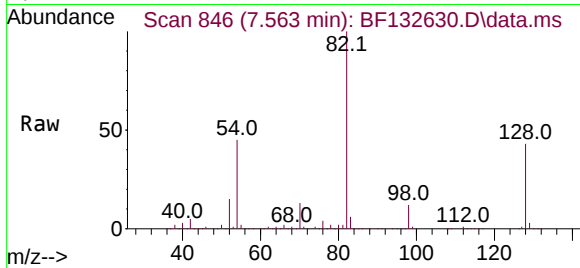
#23
Nitrobenzene-d5
Concen: 55.131 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

CE-54-030123

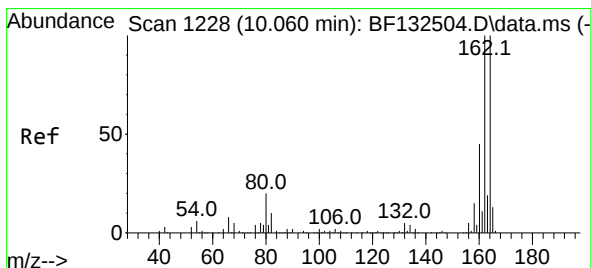
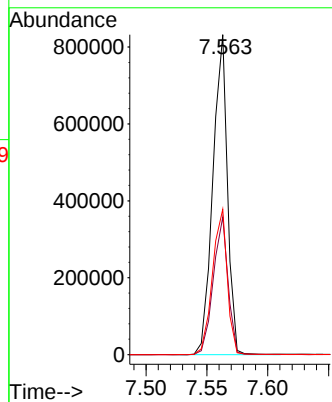
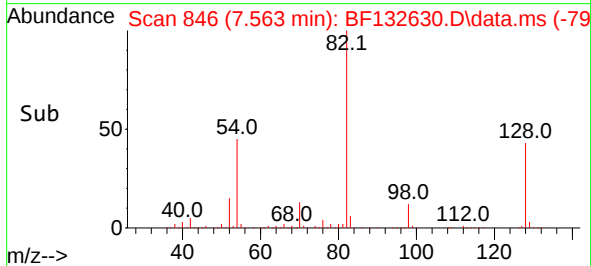


Tgt Ion: 82 Resp: 694596
Ion Ratio Lower Upper
82 100
128 43.0 32.2 48.2
54 45.4 38.4 57.6

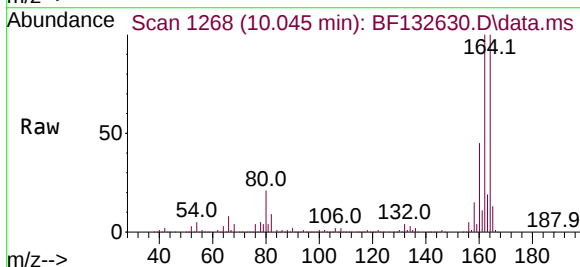
Manual Integrations

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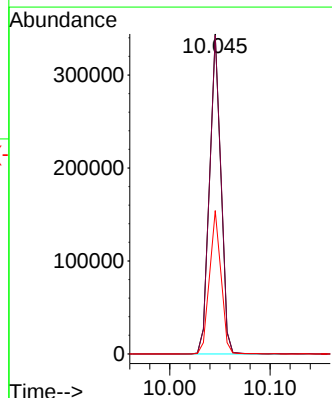
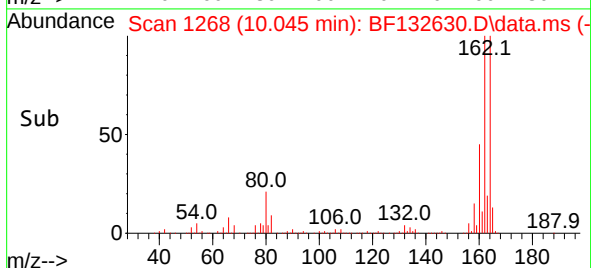
Reviewed By :Christian Giraldo 03/06/2023
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56



Tgt Ion:164 Resp: 270194
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 44.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 69.016 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

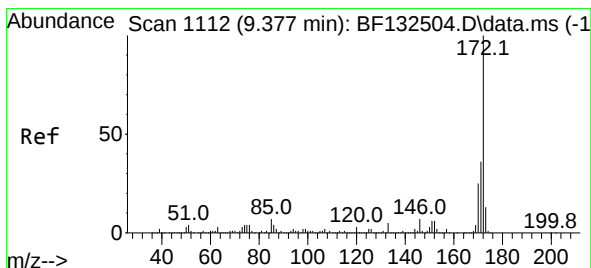
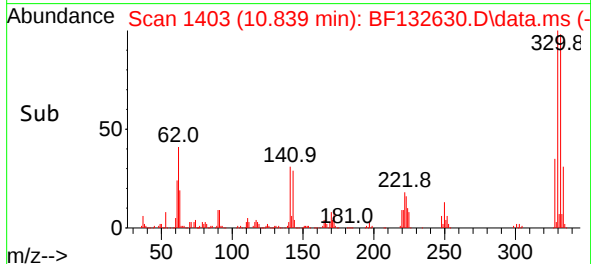
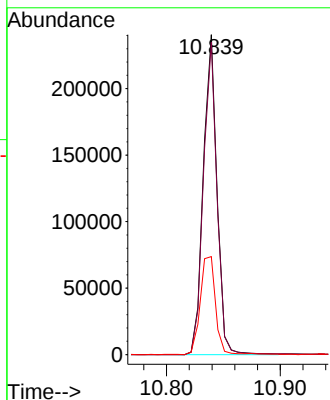
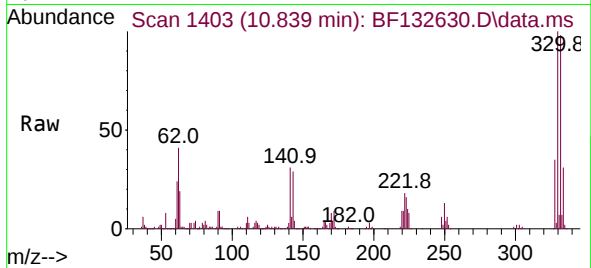
CE-54-030123

Tgt Ion:330 Resp: 201388
Ion Ratio Lower Upper
330 100
332 97.5 76.2 114.4
141 34.6 28.4 42.6

Manual Integrations

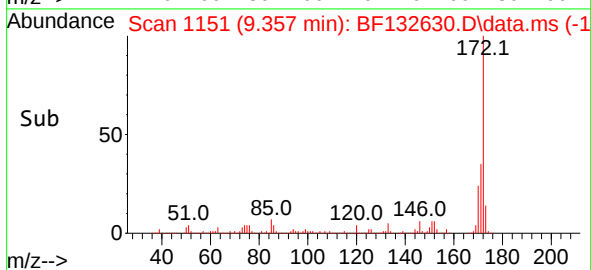
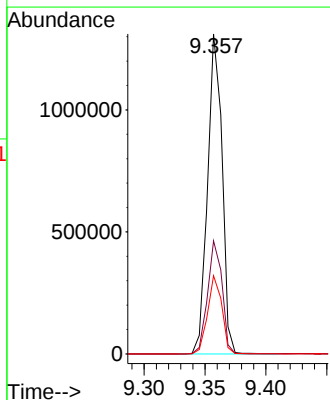
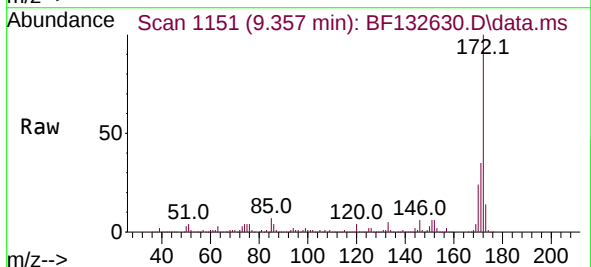
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#45
2-Fluorobiphenyl
Concen: 61.271 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:172 Resp: 1087238
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.4 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

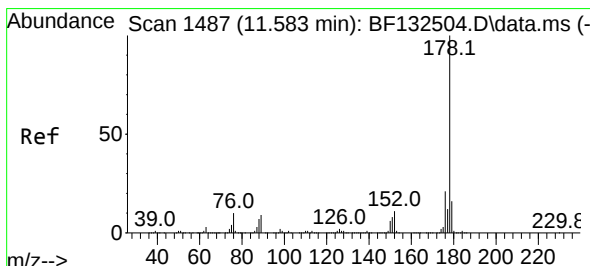
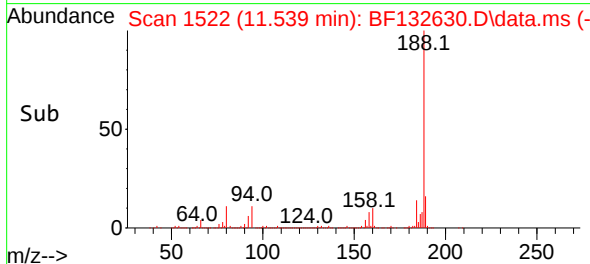
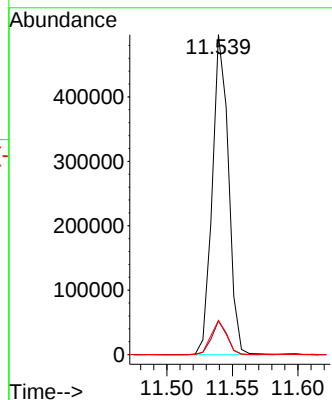
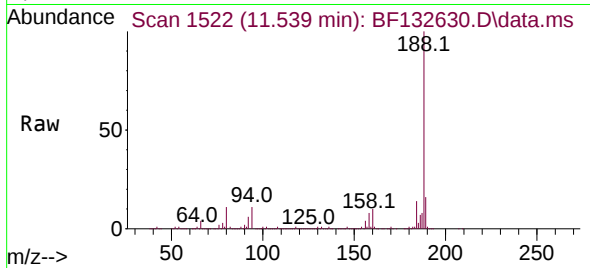
ClientSampleId :

CE-54-030123

Tgt Ion:188 Resp: 427300
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 10.7 8.7 13.1

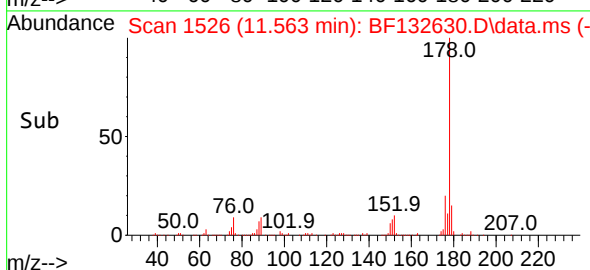
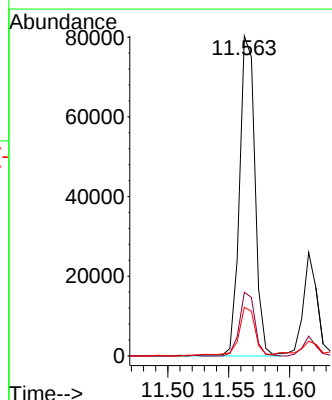
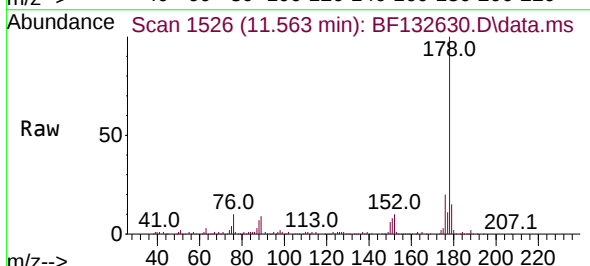
Manual Integrations
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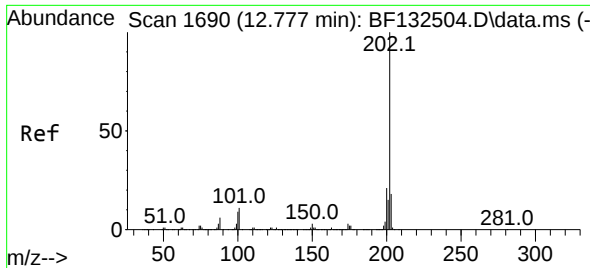
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 3.223 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:178 Resp: 71340
Ion Ratio Lower Upper
178 100
176 19.9 16.5 24.7
179 15.2 13.0 19.6





#75
Fluoranthene
Concen: 10.545 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

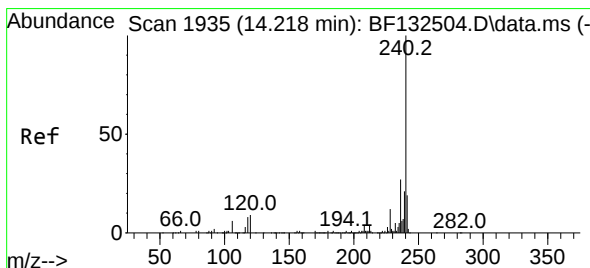
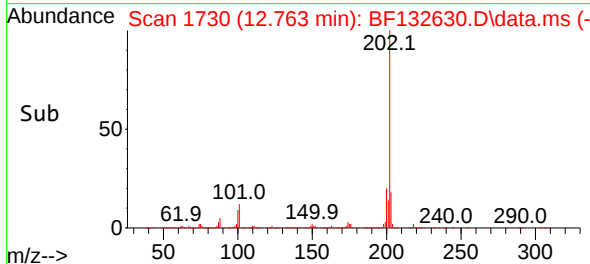
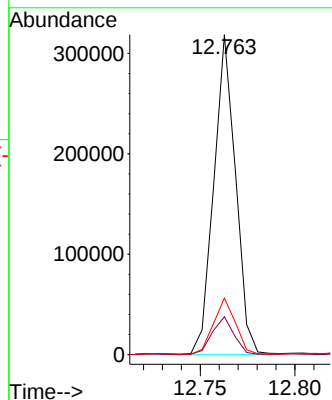
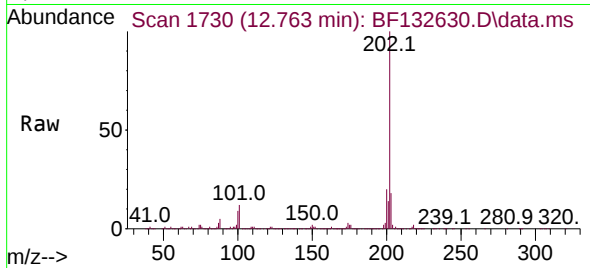
CE-54-030123

Tgt Ion:202 Resp: 255191
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 17.7 0.0 38.0

Manual Integrations

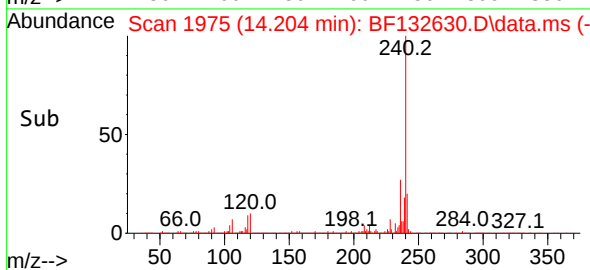
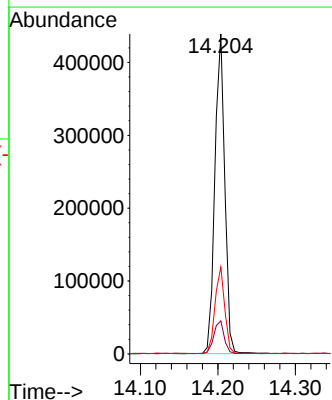
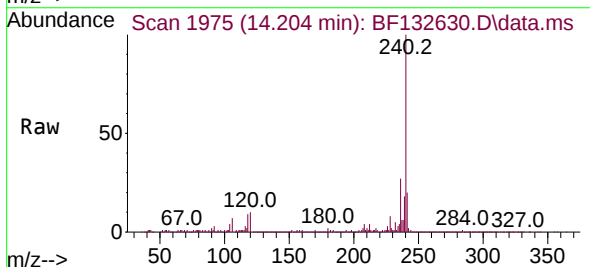
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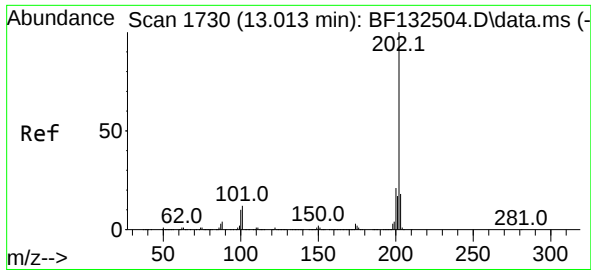
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Supervised By :Jagrut Upadhyay 03/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:240 Resp: 390041
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 27.2 21.8 32.6





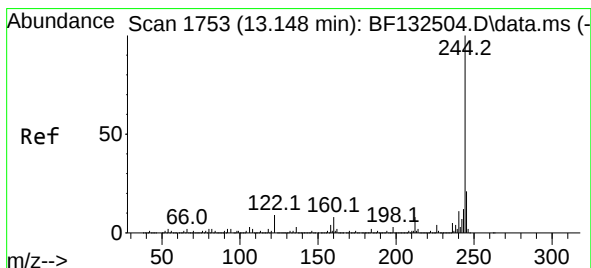
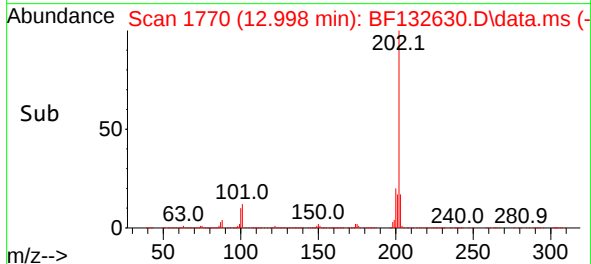
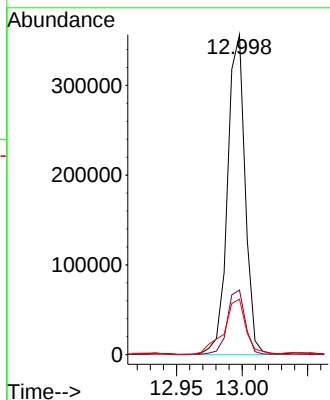
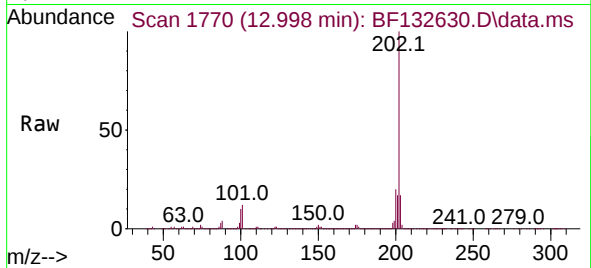
#78
Pyrene
Concen: 9.355 ng
RT: 12.998 min Scan# 1730
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :
BNA_F
ClientSampleId :
CE-54-030123

Tgt Ion:202 Resp: 331748
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 17.3 14.6 21.8

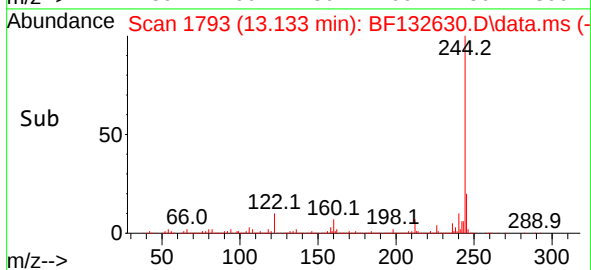
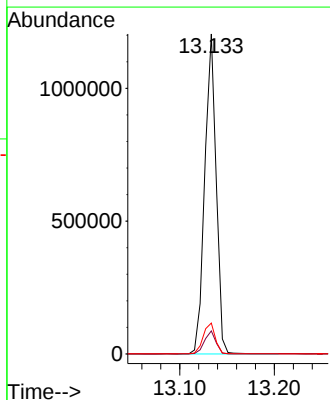
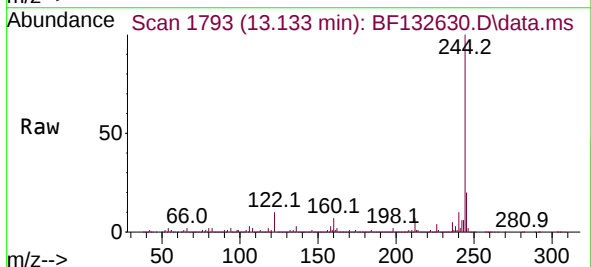
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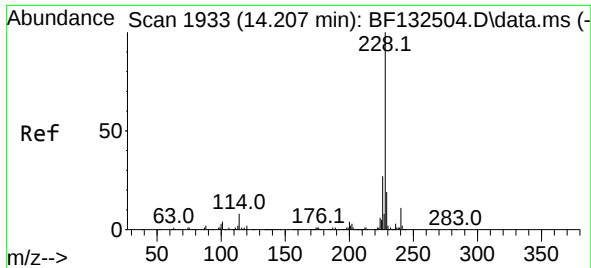
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#79
Terphenyl-d14
Concen: 43.887 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:244 Resp: 1012427
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 9.6 7.5 11.3





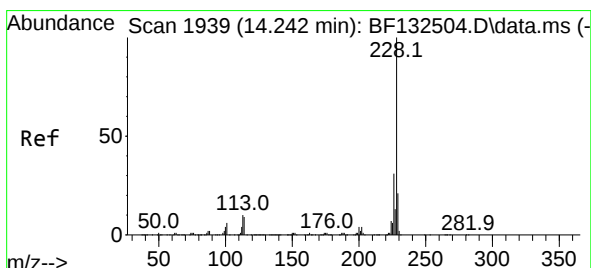
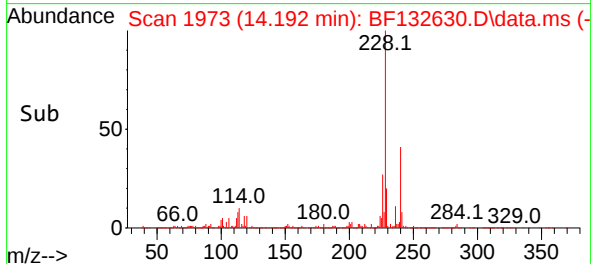
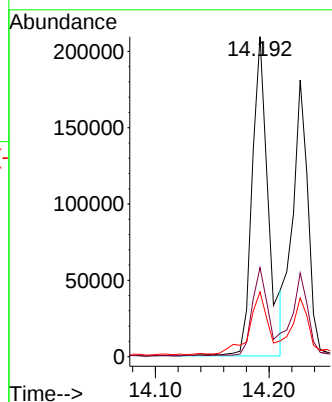
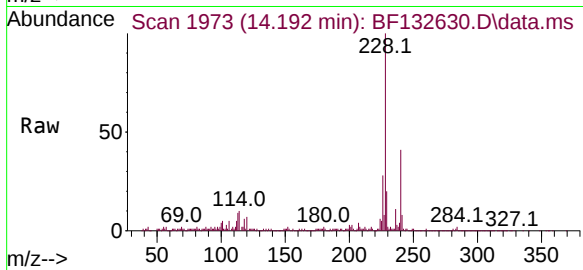
#81
Benzo(a)anthracene
Concen: 7.025 ng
RT: 14.192 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :
BNA_F
ClientSampleId :
CE-54-030123

Tgt Ion:228 Resp: 205013
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 20.2 15.4 23.2

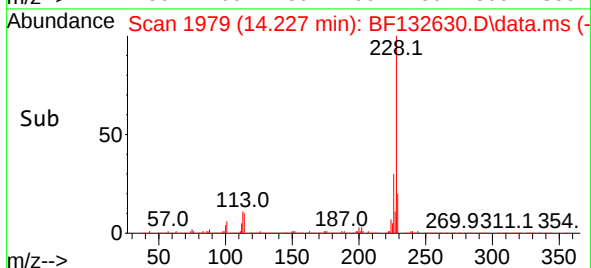
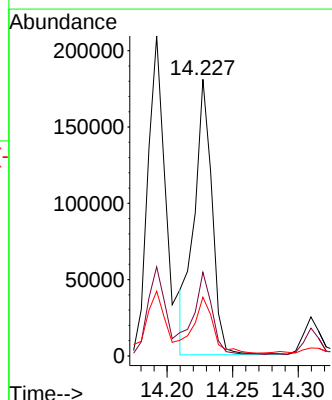
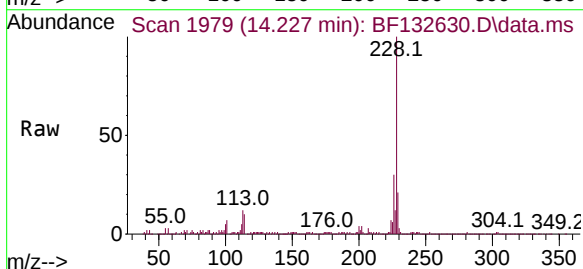
Manual Integrations
APPROVED

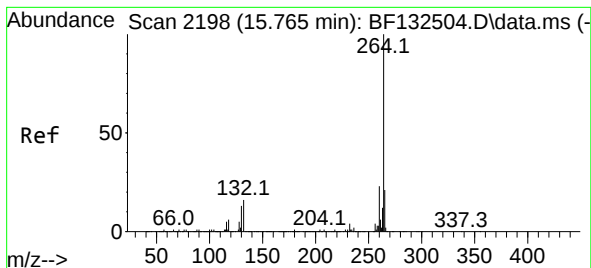
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#83
Chrysene
Concen: 6.278 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:228 Resp: 171322
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.2 16.4 24.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.757 min Scan# 2198
 Delta R.T. 0.003 min
 Lab File: BF132630.D
 Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

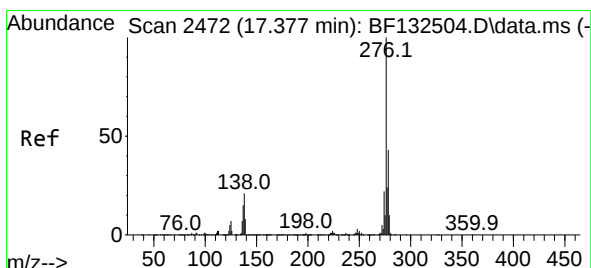
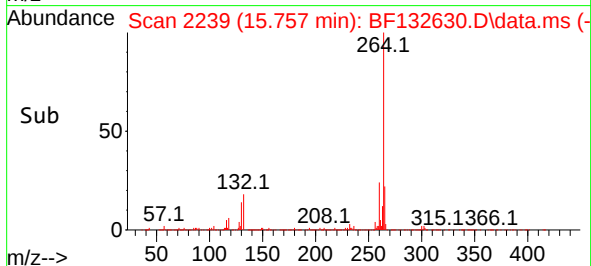
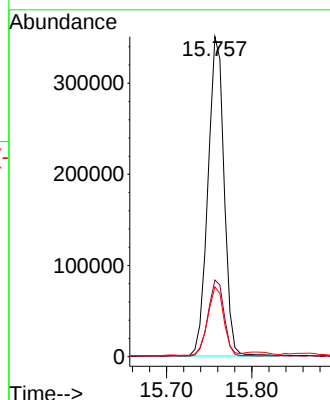
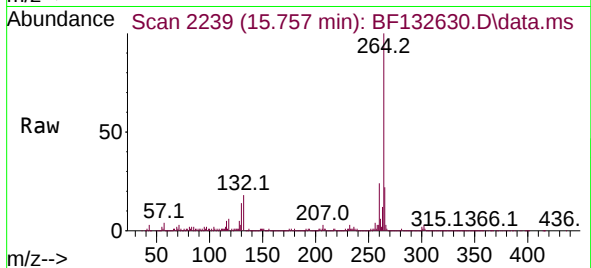
CE-54-030123

Tgt Ion:264 Resp: 460977
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.8 17.1 25.7

Manual Integrations

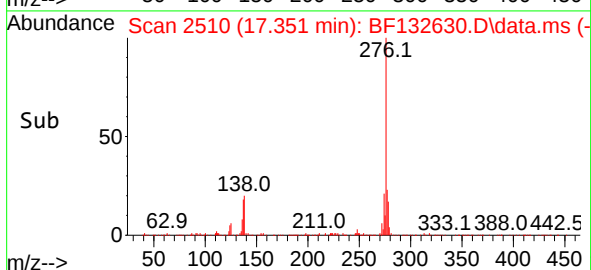
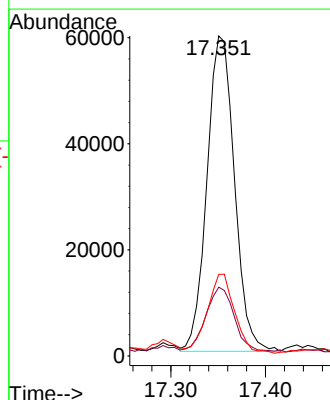
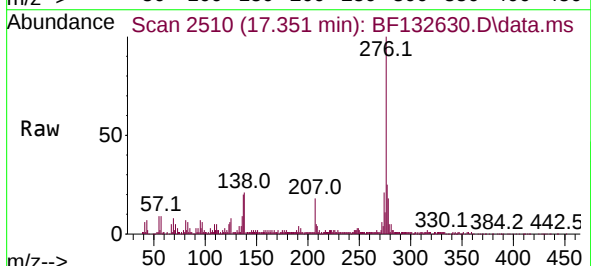
APPROVED

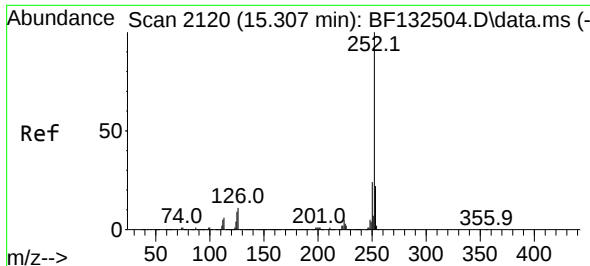
Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.977 ng
 RT: 17.351 min Scan# 2510
 Delta R.T. -0.009 min
 Lab File: BF132630.D
 Acq: 03 Mar 2023 15:56

Tgt Ion:276 Resp: 120139
 Ion Ratio Lower Upper
 276 100
 138 21.5 19.0 28.4
 277 24.9 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 8.917 ng m
RT: 15.292 min Scan# 2119
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

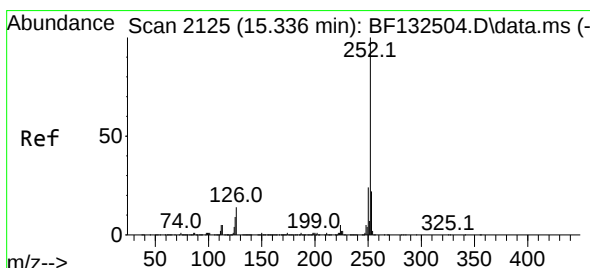
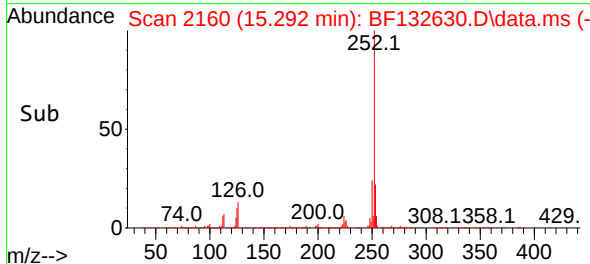
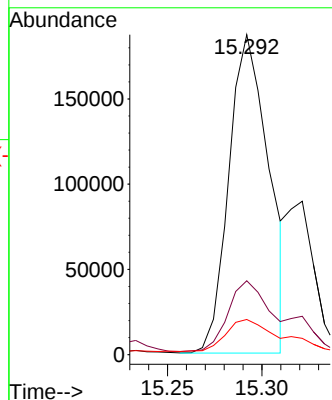
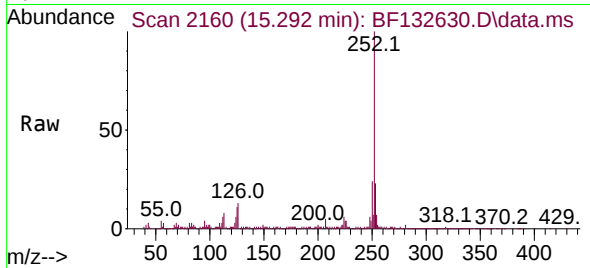
CE-54-030123

Tgt Ion:252 Resp: 275472
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.0 7.0 10.6

Manual Integrations

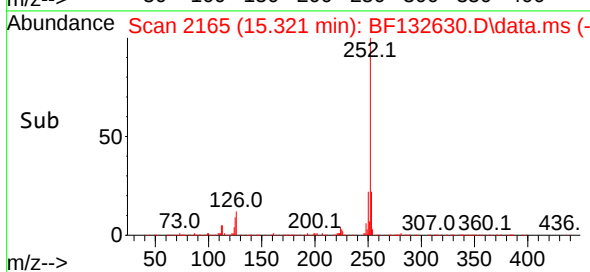
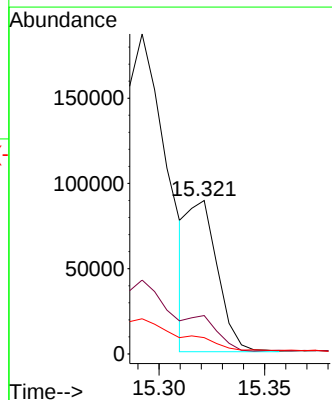
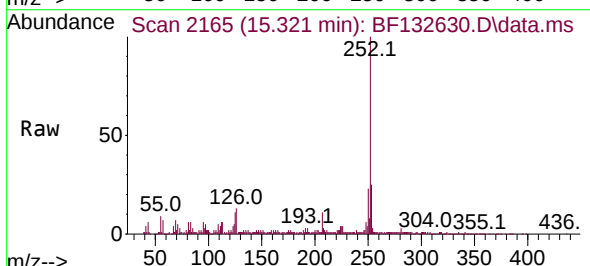
APPROVED

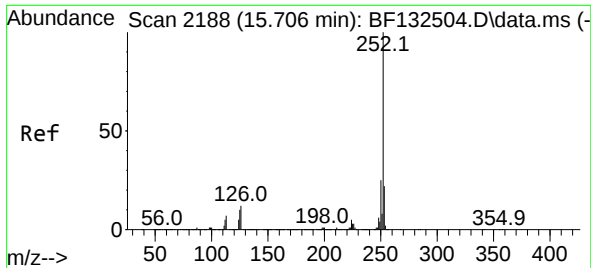
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#89
Benzo(k)fluoranthene
Concen: 2.885 ng m
RT: 15.321 min Scan# 2165
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:252 Resp: 87233
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 10.6 7.2 10.8





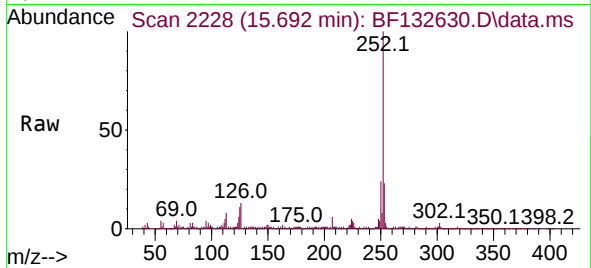
#90
Benzo(a)pyrene
Concen: 8.314 ng
RT: 15.692 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

CE-54-030123

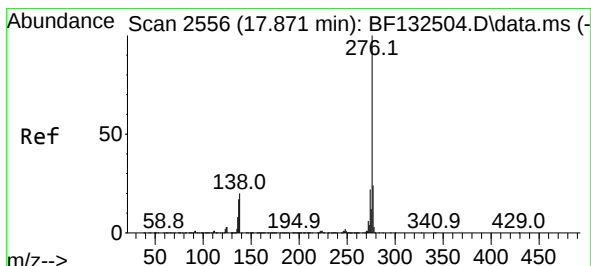
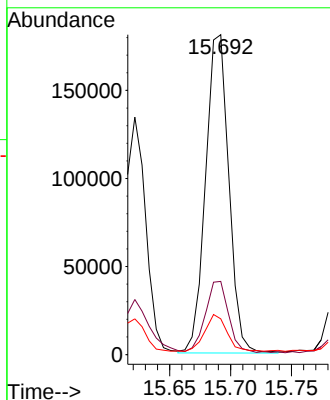
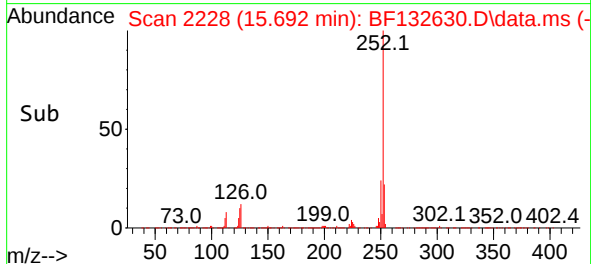


Tgt Ion:252 Resp: 240376
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 11.2 8.0 12.0

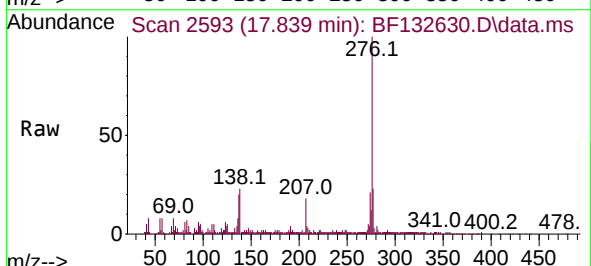
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#92
Benzo(g,h,i)perylene
Concen: 5.873 ng
RT: 17.839 min Scan# 2593
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56



Tgt Ion:276 Resp: 122569
Ion Ratio Lower Upper
276 100
277 23.3 18.9 28.3
138 23.1 16.2 24.4

