

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132632.D
 Acq On : 03 Mar 2023 17:01
 Operator : CG\JU
 Sample : 01767-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-33-030123

Manual Integrations
 APPROVED

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

Quant Time: Mar 04 02:18:31 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	175645	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	571502	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	247729	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	440159	20.000	ng	0.00
76) Chrysene-d12	14.204	240	447765	20.000	ng	0.00
86) Perylene-d12	15.757	264	442123	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	888107	82.062	ng	0.00
7) Phenol-d6	6.622	99	1103535	78.130	ng	-0.01
23) Nitrobenzene-d5	7.563	82	673894	55.945	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	244535	91.402	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1097745	67.473	ng	-0.01
79) Terphenyl-d14	13.133	244	1372687	51.832	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.563	178	82438	3.615	ng	97
75) Fluoranthene	12.763	202	222135	8.911	ng	97
78) Pyrene	12.998	202	222477	5.465	ng	97
81) Benzo(a)anthracene	14.192	228	136157	4.064	ng	99
83) Chrysene	14.227	228	109187	3.485	ng	97
88) Benzo(b)fluoranthene	15.292	252	160383m	5.413	ng	
90) Benzo(a)pyrene	15.686	252	119503	4.309	ng	# 94
92) Benzo(g,h,i)perylene	17.839	276	52352	3.511	ng	# 95

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

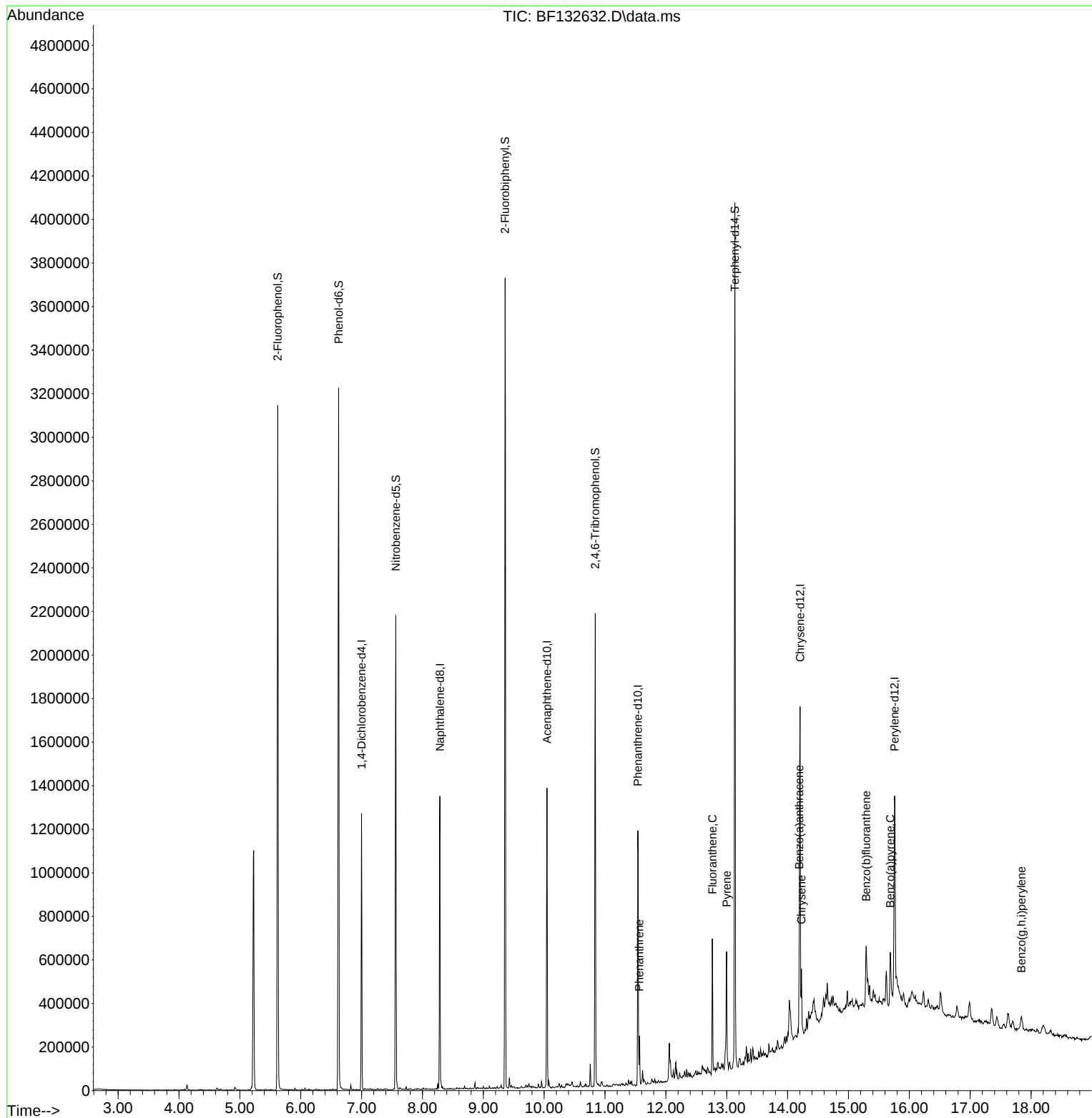
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132632.D
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Operator : CG\JU
Sample : 01767-15
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ALS Vial : 11 Sample Multiplier: 1

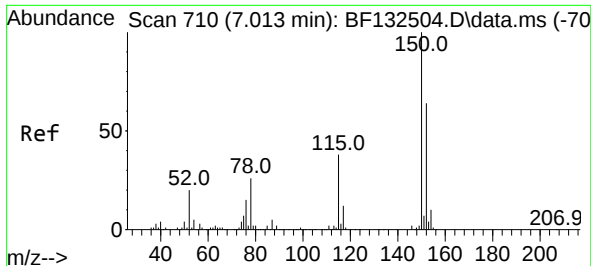
Instrument :
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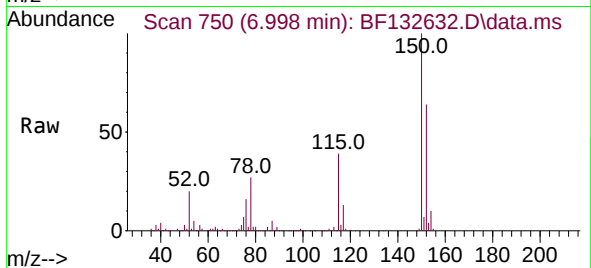
Quant Time: Mar 04 02:18:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

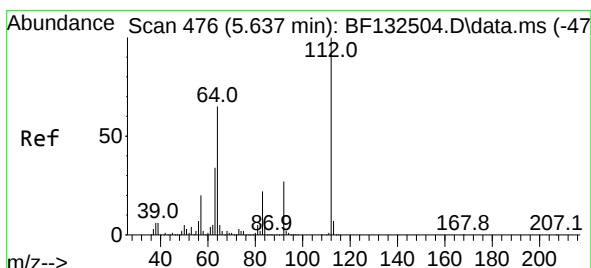
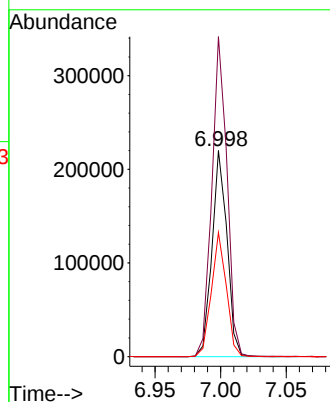
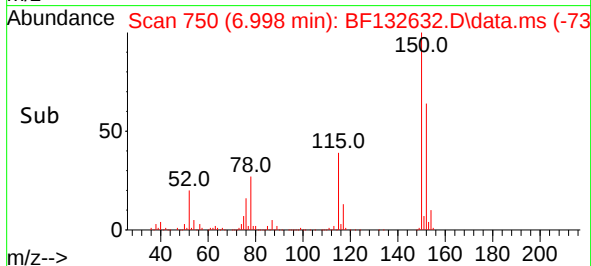
Instrument :
BNA_F
ClientSampleId :
CE-33-030123



Tgt Ion:152 Resp: 175645
Ion Ratio Lower Upper
152 100
150 155.4 125.4 188.2
115 60.2 47.8 71.6

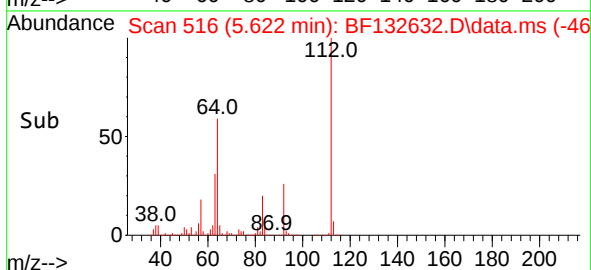
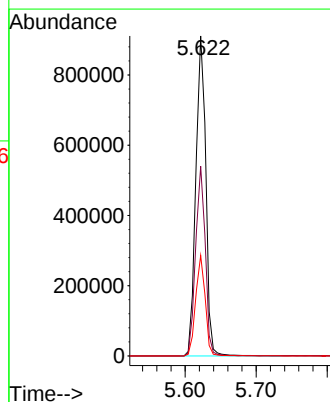
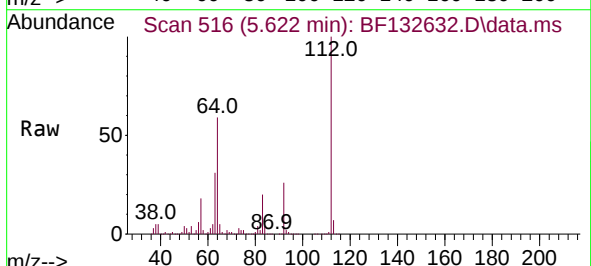
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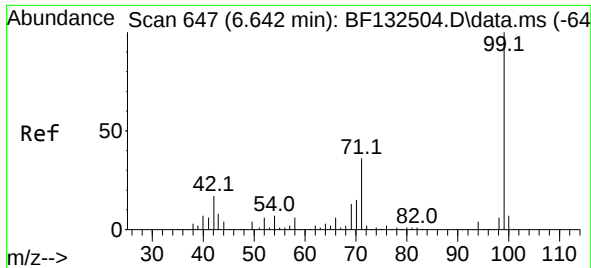
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#5
2-Fluorophenol
Concen: 82.062 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

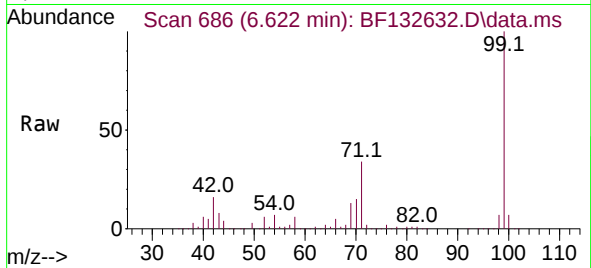
Tgt Ion:112 Resp: 888107
Ion Ratio Lower Upper
112 100
64 59.3 51.6 77.4
63 31.4 27.4 41.2





#7
Phenol-d6
Concen: 78.130 ng
RT: 6.622 min Scan# 686
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

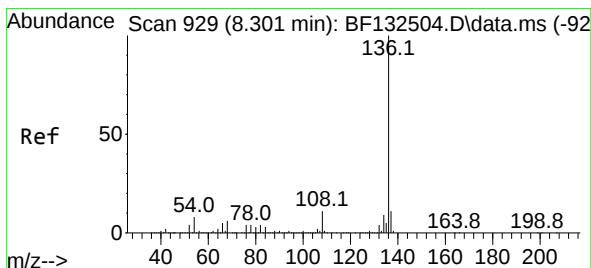
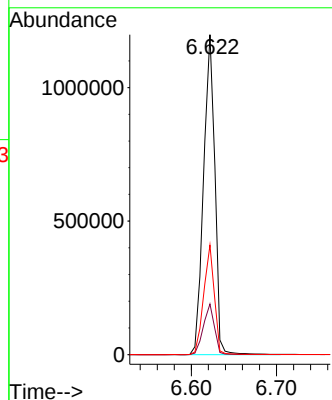
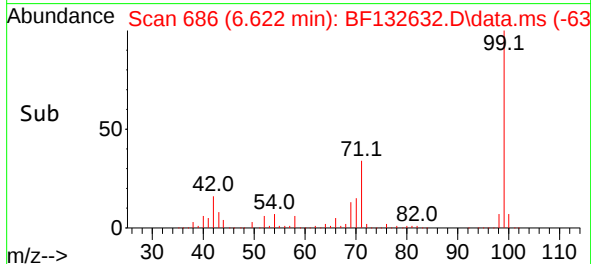
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1103535
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 34.3 28.5 42.7

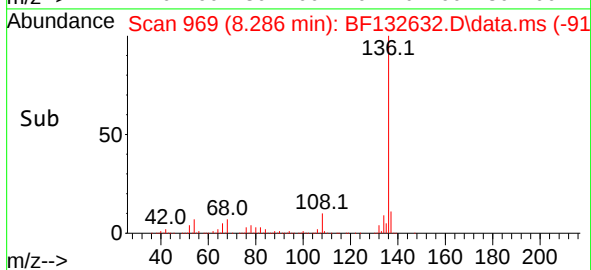
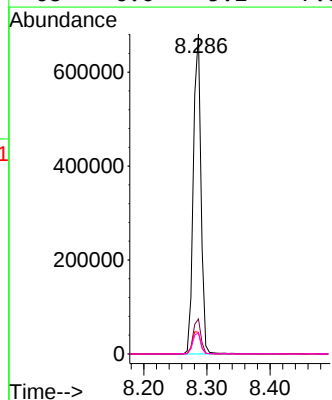
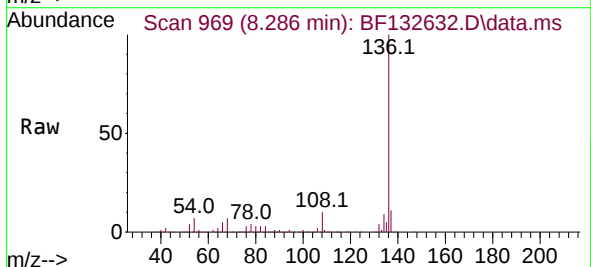
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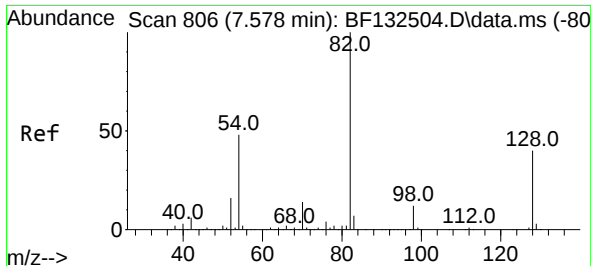
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:136 Resp: 571502
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.8 6.2 9.4
68 6.6 5.2 7.8





#23
Nitrobenzene-d5
Concen: 55.945 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

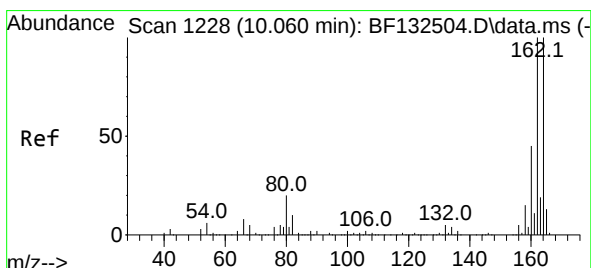
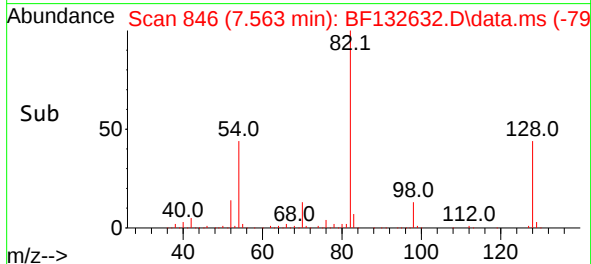
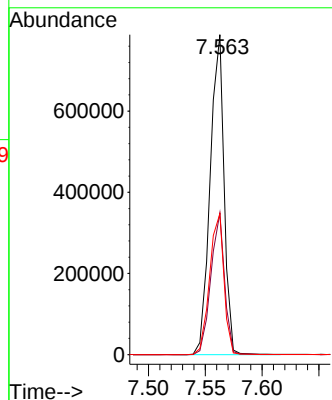
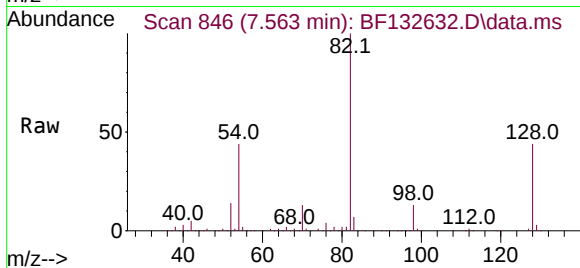
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Tgt Ion: 82 Resp: 673894
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 44.0 38.4 57.6

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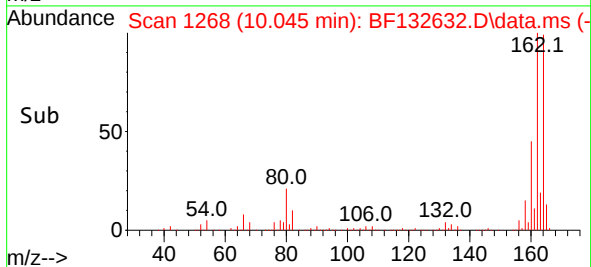
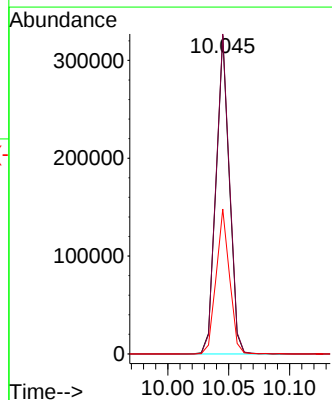
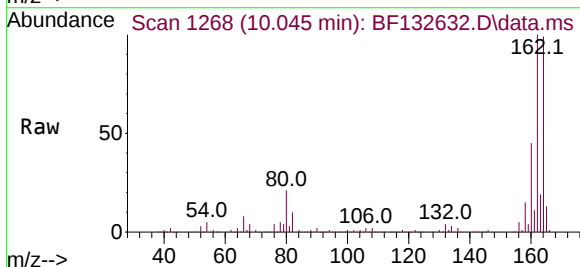
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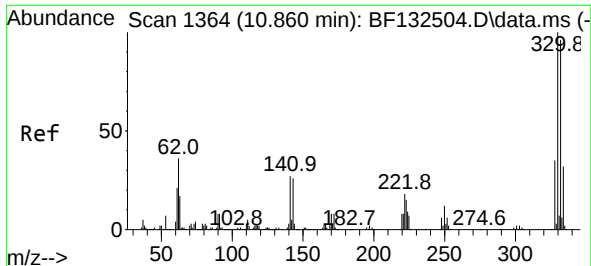
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:164 Resp: 247729
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.8
160 45.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 91.402 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

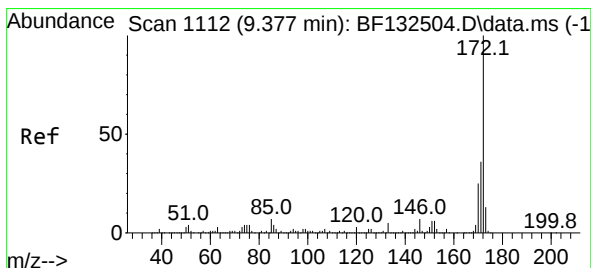
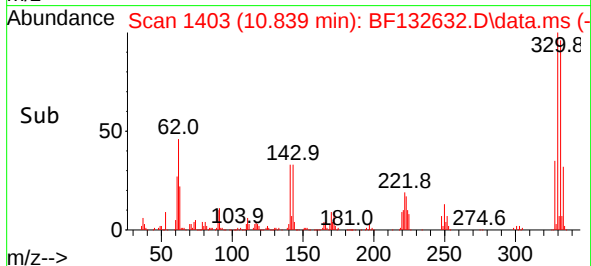
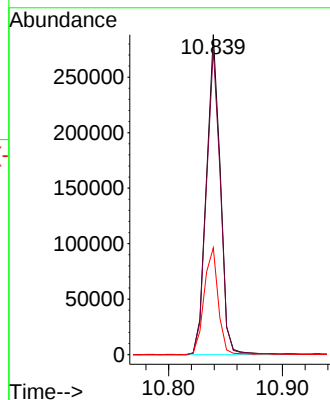
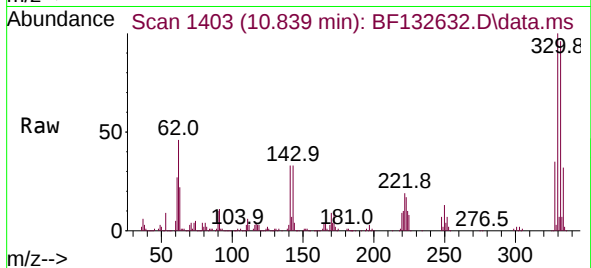
CE-33-030123

Tgt Ion:330 Resp: 244535
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.4
141 33.9 28.4 42.6

Manual Integrations

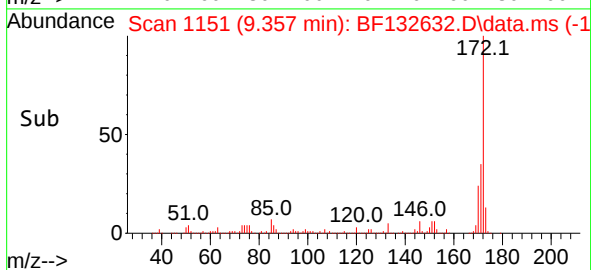
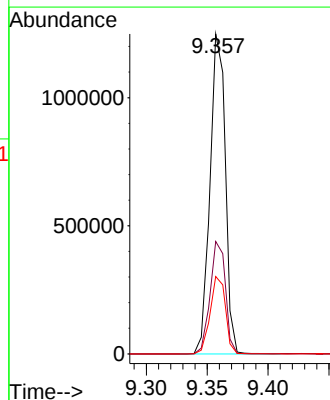
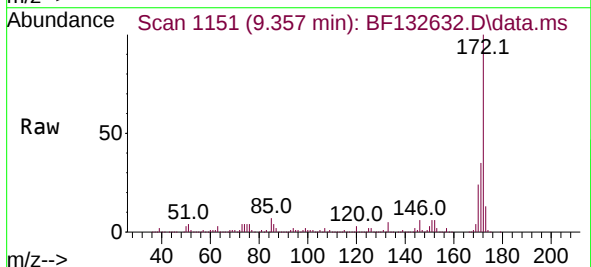
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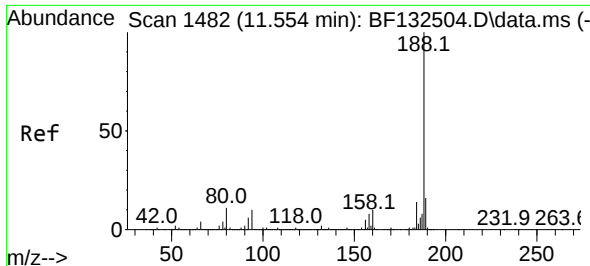
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#45
2-Fluorobiphenyl
Concen: 67.473 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:172 Resp: 1097745
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 24.2 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: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

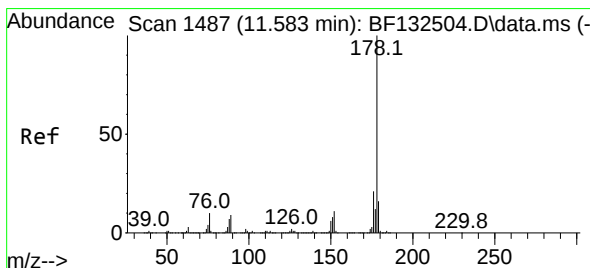
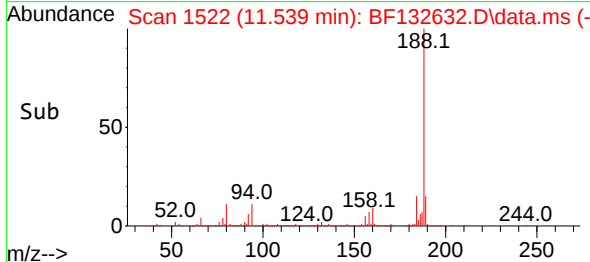
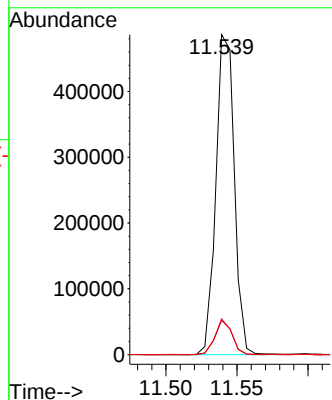
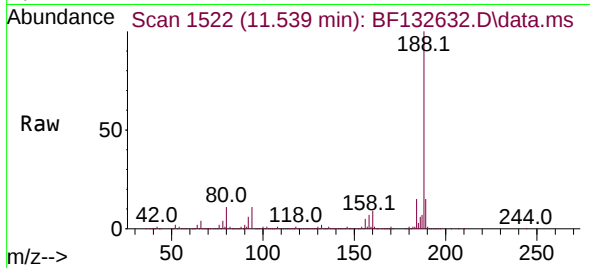
ClientSampleId :

CE-33-030123

Tgt Ion:188 Resp: 440159
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 11.2 8.7 13.1

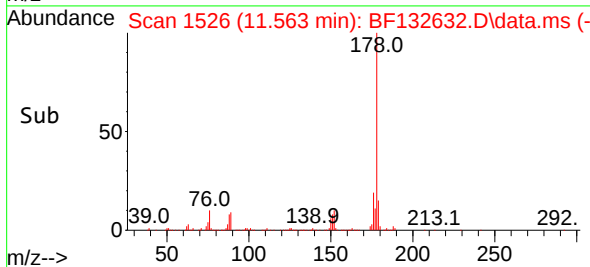
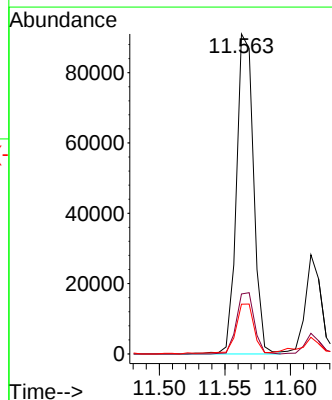
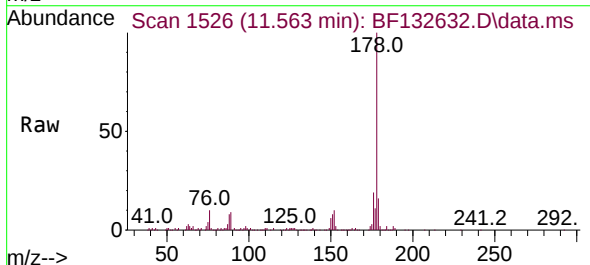
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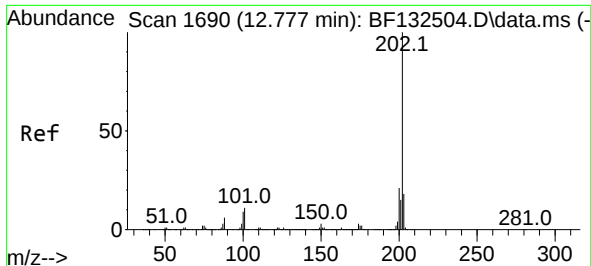
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 3.615 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

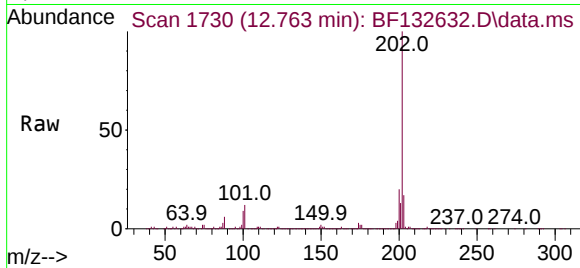
Tgt Ion:178 Resp: 82438
Ion Ratio Lower Upper
178 100
176 18.7 16.5 24.7
179 15.5 13.0 19.6





#75
Fluoranthene
Concen: 8.911 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

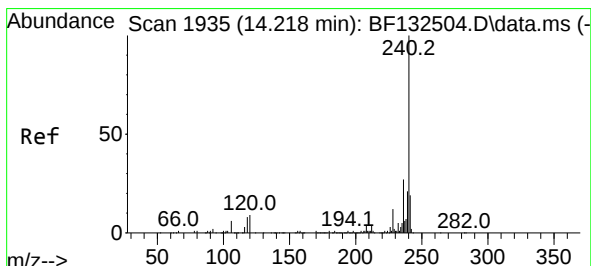
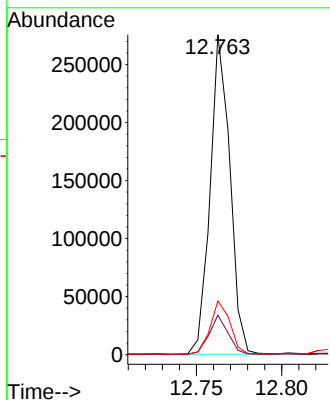
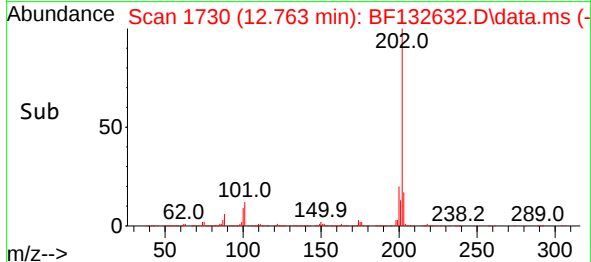
Instrument :
BNA_F
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CE-33-030123



Tgt Ion:202 Resp: 222135
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 16.8 0.0 38.0

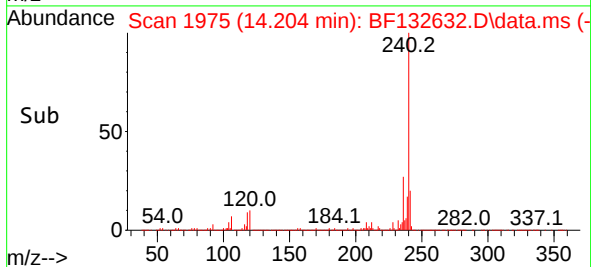
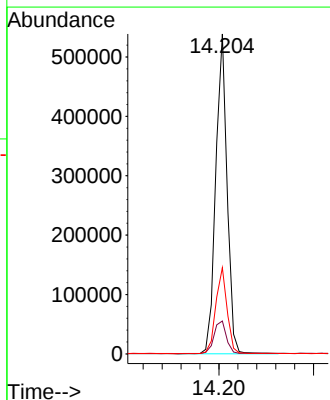
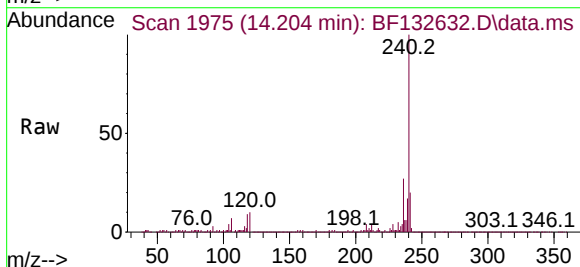
Manual Integrations
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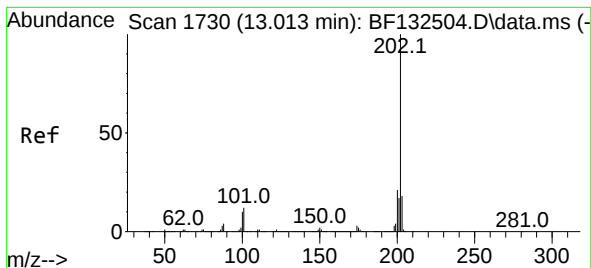
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:240 Resp: 447765
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 26.9 21.8 32.6





#78

Pyrene

Concen: 5.465 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

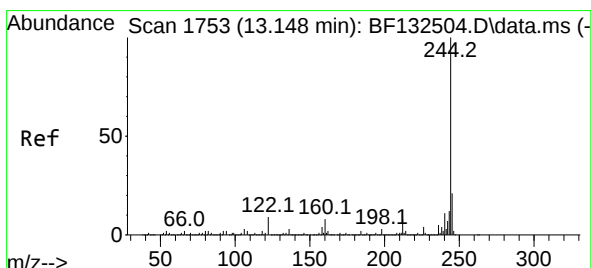
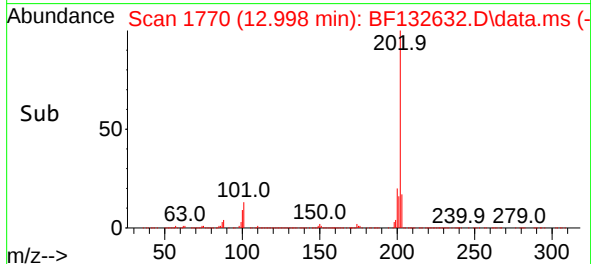
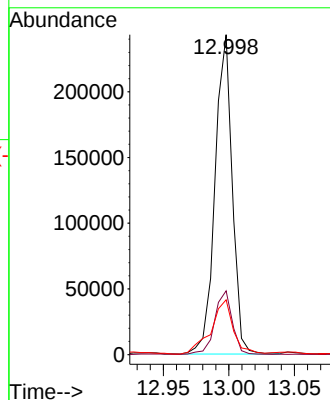
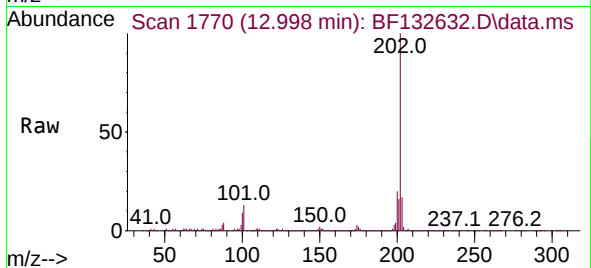
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Tgt Ion:202 Resp: 222477
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.1 25.7
 203 17.1 14.6 21.8

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 Supervised By :Jagrut Upadhyay 03/06/2023



#79

Terphenyl-d14

Concen: 51.832 ng

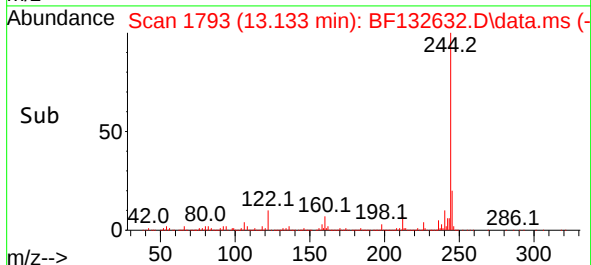
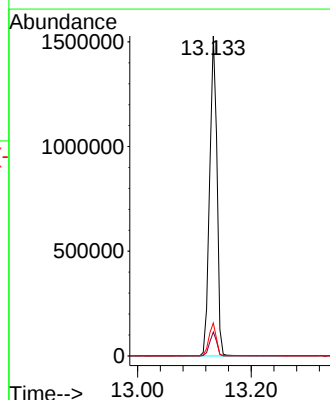
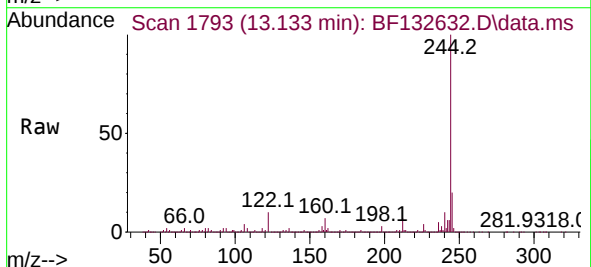
RT: 13.133 min Scan# 1793

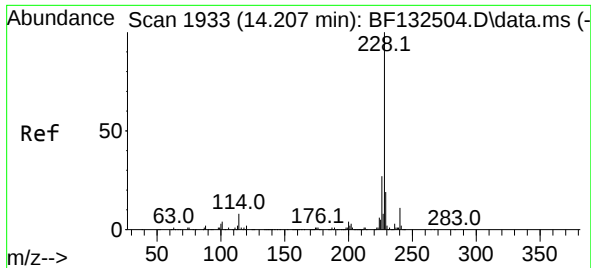
Delta R.T. -0.009 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

Tgt Ion:244 Resp: 1372687
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 10.3 7.5 11.3





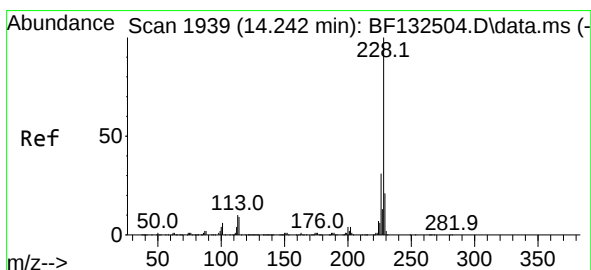
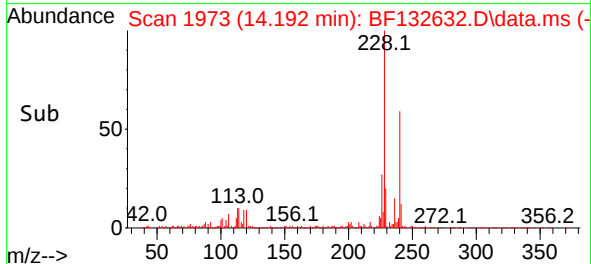
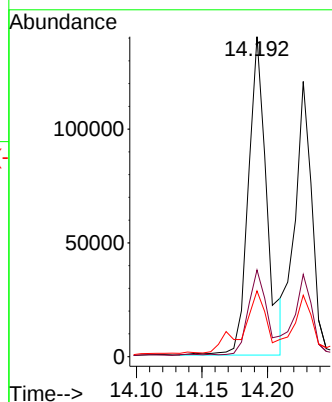
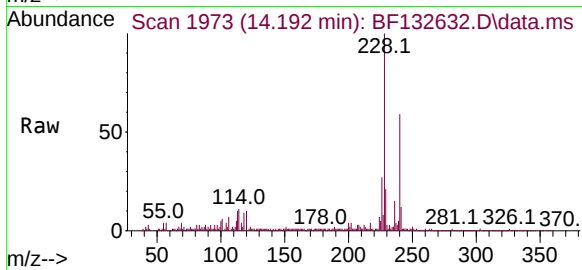
#81
Benzo(a)anthracene
Concen: 4.064 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :
BNA_F
ClientSampleId :
CE-33-030123

Tgt Ion:228 Resp: 136152
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 20.5 15.4 23.2

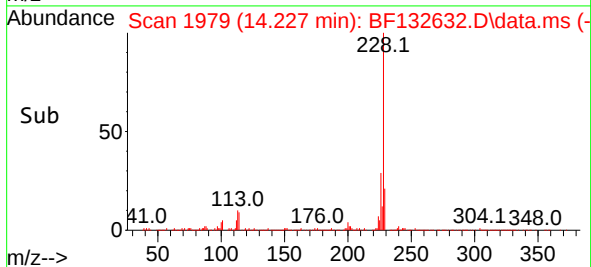
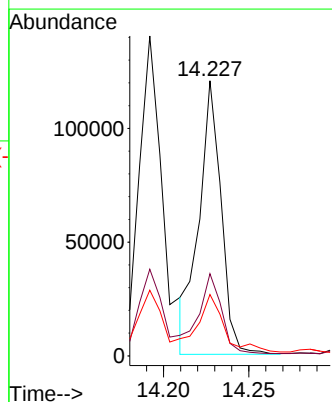
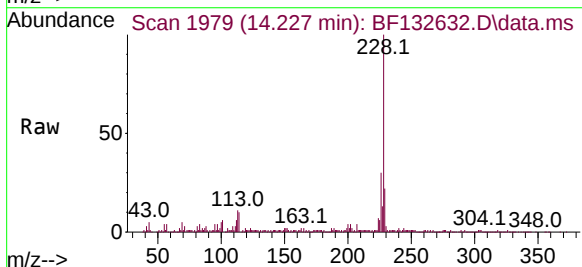
Manual Integrations
APPROVED

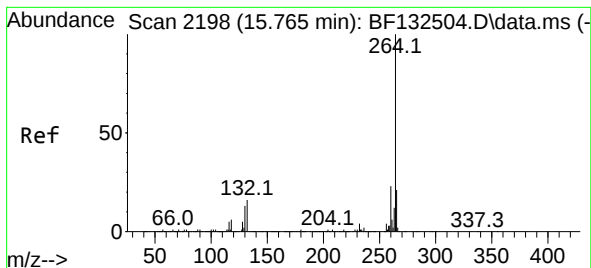
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#83
Chrysene
Concen: 3.485 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:228 Resp: 109187
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.3 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: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

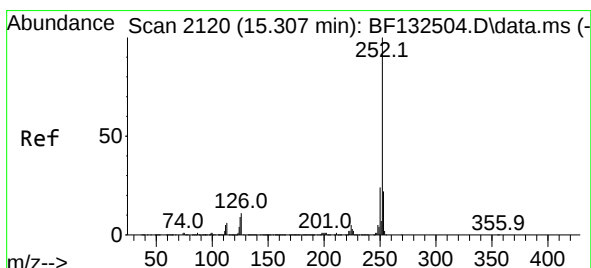
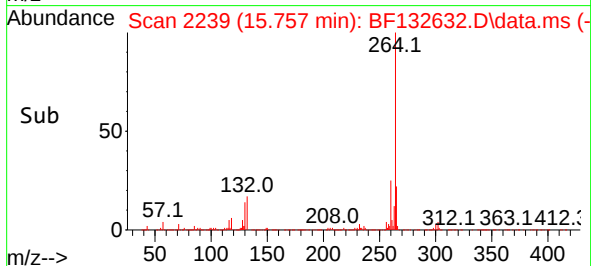
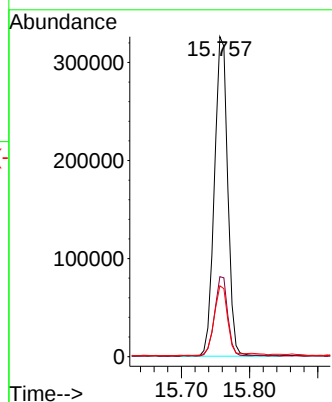
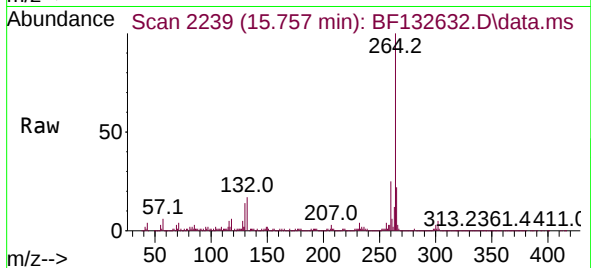
ClientSampleId :

CE-33-030123

Tgt Ion:264 Resp: 442123
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.1 17.1 25.7

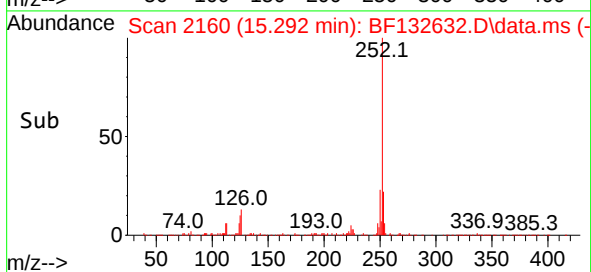
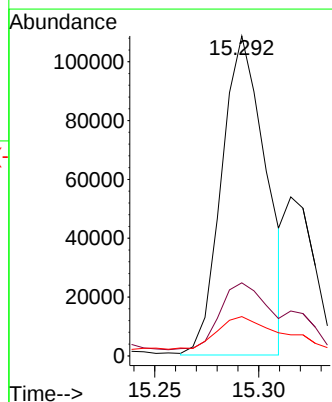
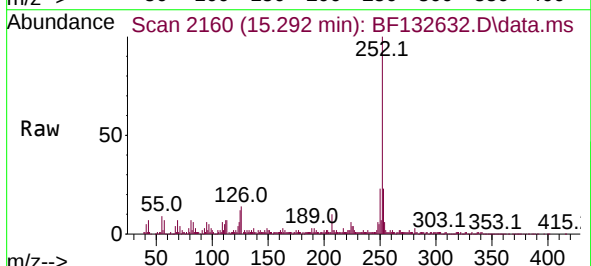
Manual Integrations
APPROVED

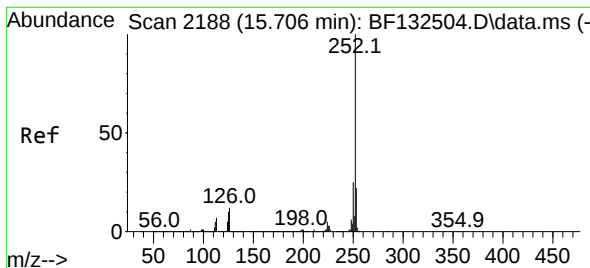
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#88
Benzo(b)fluoranthene
Concen: 5.413 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:252 Resp: 160383
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.3 7.0 10.6





#90
Benzo(a)pyrene
Concen: 4.309 ng
RT: 15.686 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

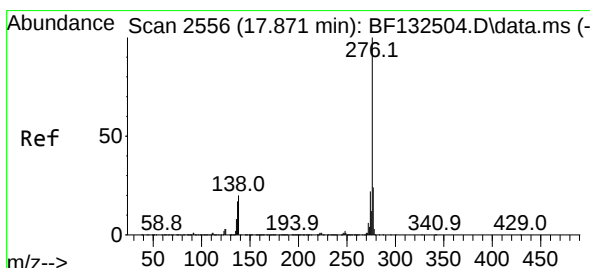
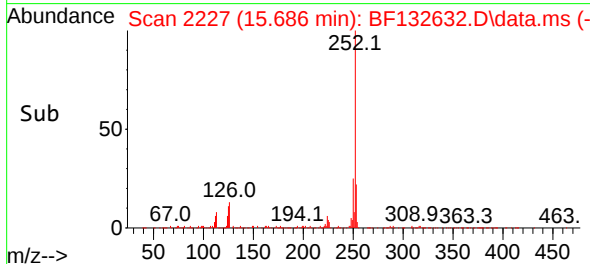
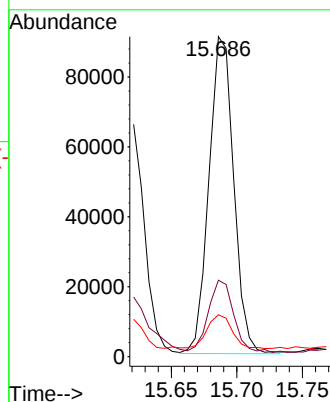
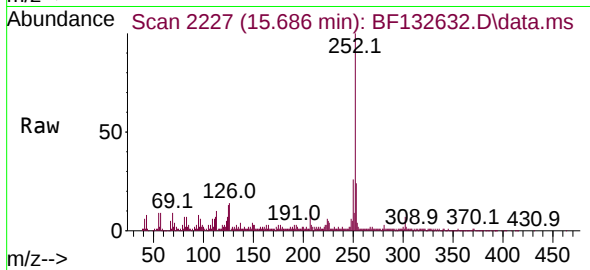
CE-33-030123

Tgt Ion:252 Resp: 119503
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 13.1 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: 3.511 ng
RT: 17.839 min Scan# 2593
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:276 Resp: 52352
Ion Ratio Lower Upper
276 100
277 24.6 18.9 28.3
138 24.6 16.2 24.4

