

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132665.D
 Acq On : 06 Mar 2023 23:54
 Operator : CG\JU
 Sample : 01767-03DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-45-030123DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/07/2023
 Supervised By : Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 03:24:02 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	213337	20.000	ng	0.00
21) Naphthalene-d8	8.281	136	760719	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	364623	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	553455	20.000	ng	0.00
76) Chrysene-d12	14.204	240	386477	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	486770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	586195	44.595	ng	0.00
7) Phenol-d6	6.616	99	729555	42.527	ng	-0.02
23) Nitrobenzene-d5	7.557	82	443965	27.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	136820	34.746	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	722937	30.190	ng	-0.01
79) Terphenyl-d14	13.127	244	492318	21.538	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.563	178	475495	16.584	ng	98
72) Anthracene	11.616	178	140589	4.762	ng	99
75) Fluoranthene	12.763	202	960172	30.633	ng	100
78) Pyrene	12.998	202	930492	26.481	ng	98
81) Benzo(a)anthracene	14.192	228	547562	18.936	ng	99
83) Chrysene	14.227	228	440080	16.275	ng	97
87) Indeno(1,2,3-cd)pyrene	17.351	276	268120	8.406	ng	97
88) Benzo(b)fluoranthene	15.292	252	663012m	20.325	ng	
89) Benzo(k)fluoranthene	15.321	252	237449m	7.438	ng	
90) Benzo(a)pyrene	15.692	252	531079	17.395	ng	98
91) Dibenzo(a,h)anthracene	17.362	278	67755m	2.607	ng	
92) Benzo(g,h,i)perylene	17.839	276	244595	9.663	ng	98

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

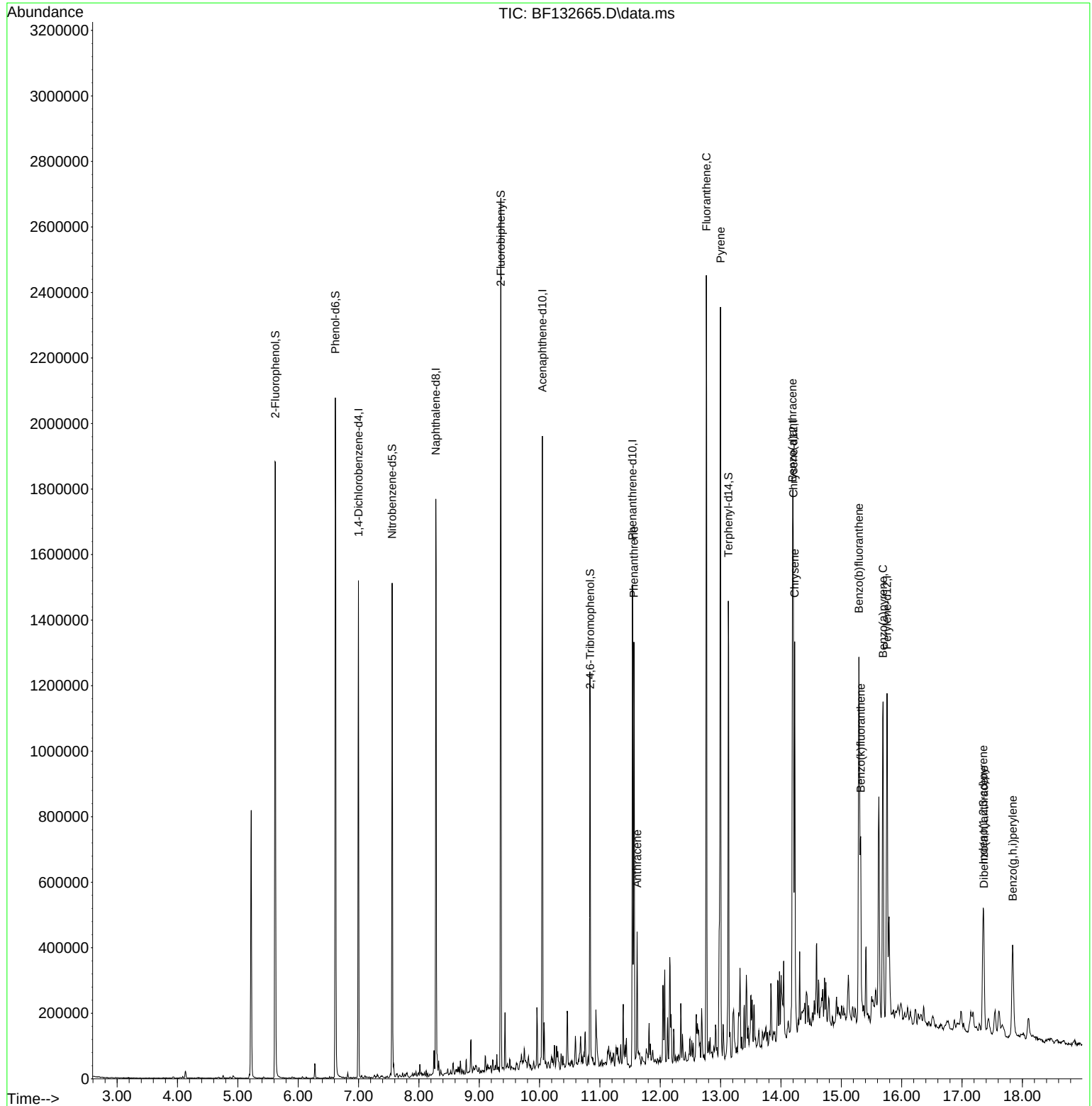
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Data File : BF132665.D
Acq On : 06 Mar 2023 23:54
Operator : CG\JU
Sample : 01767-03DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

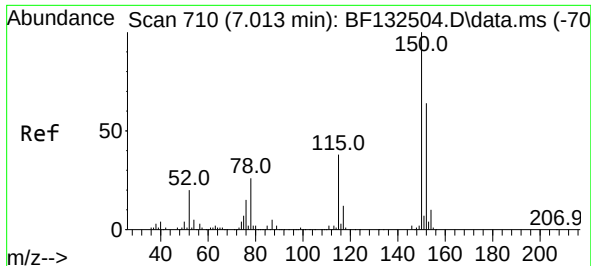
Instrument :
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CE-45-030123DL

Quant Time: Mar 07 03:24:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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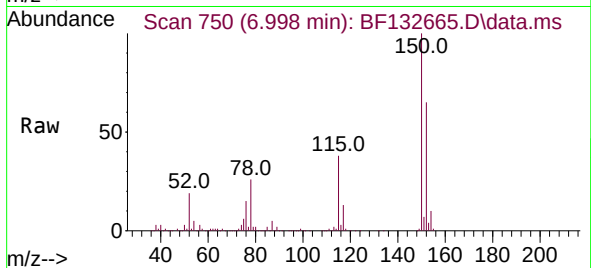
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Supervised By : Jagrut Upadhyay 03/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

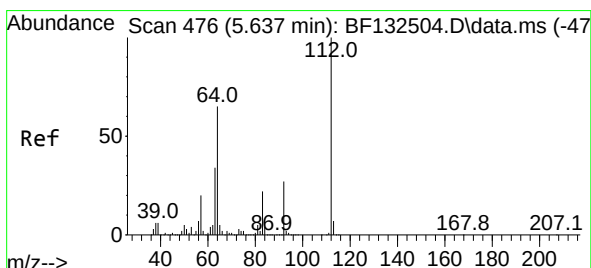
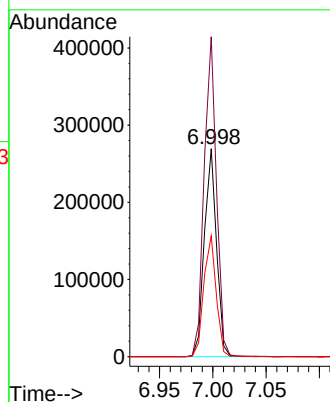
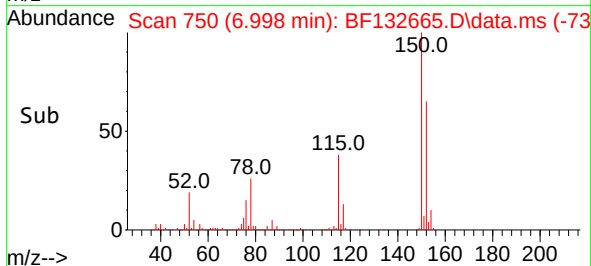
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL



Tgt Ion:152 Resp: 21333
Ion Ratio Lower Upper
152 100
150 153.9 125.4 188.2
115 58.1 47.8 71.6

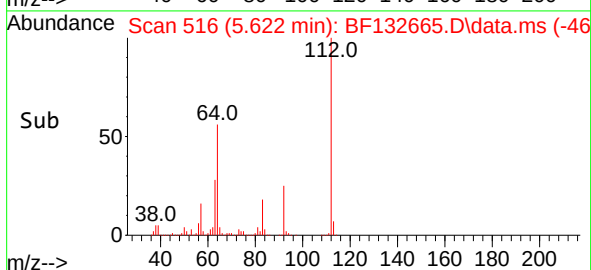
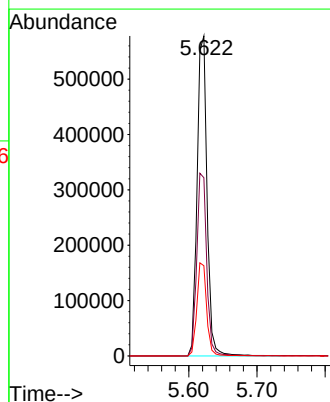
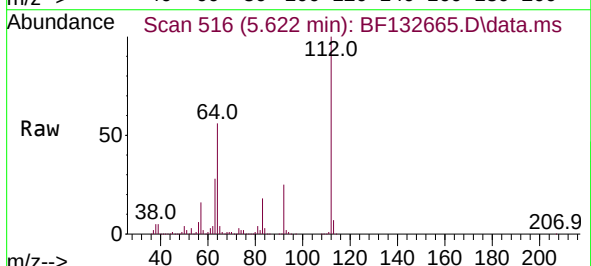
Manual Integrations
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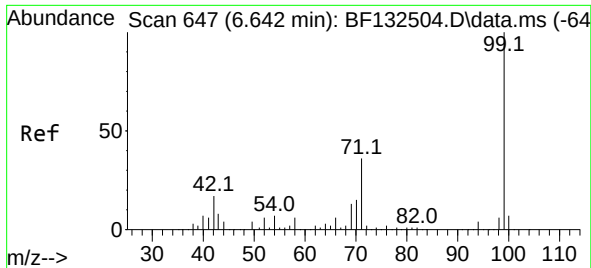
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#5
2-Fluorophenol
Concen: 44.595 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

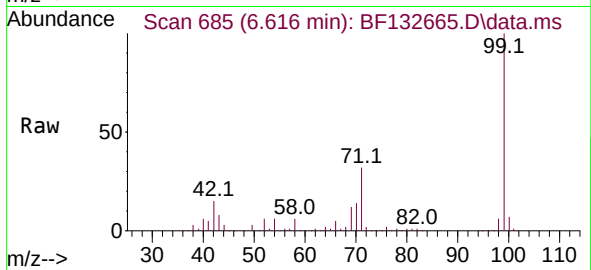
Tgt Ion:112 Resp: 586195
Ion Ratio Lower Upper
112 100
64 55.7 51.6 77.4
63 28.2 27.4 41.2





#7
Phenol-d6
Concen: 42.527 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.020 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

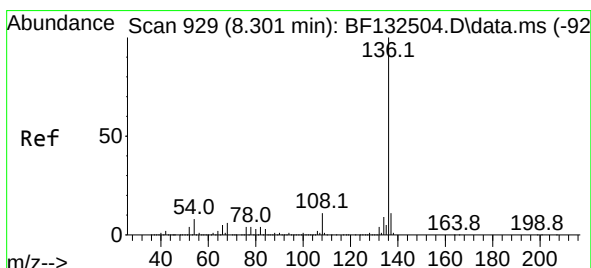
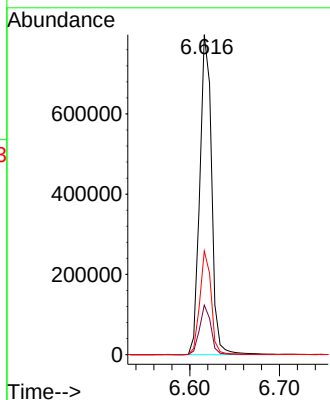
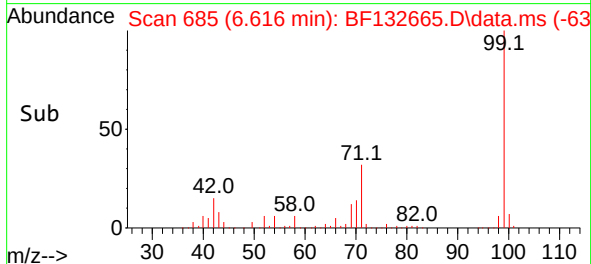
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL



Tgt Ion: 99 Resp: 72955
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 32.4 28.5 42.7

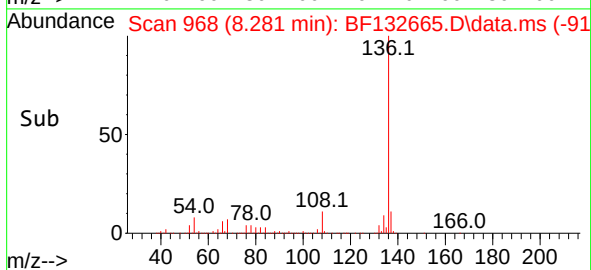
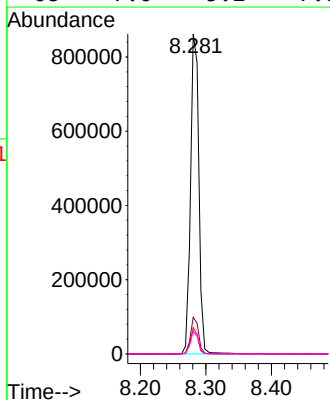
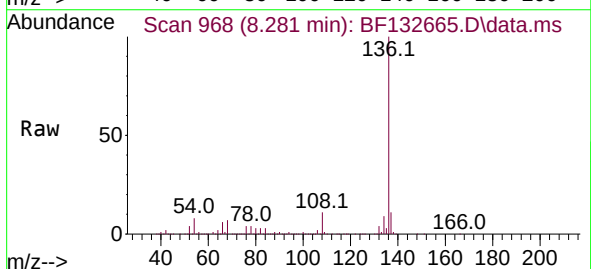
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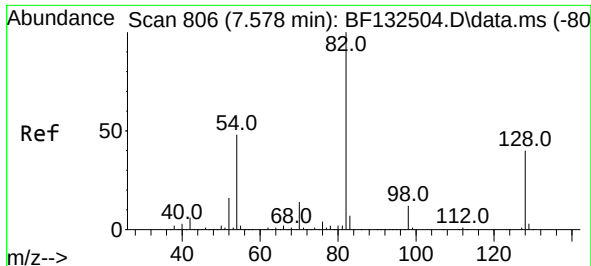
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.281 min Scan# 968
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:136 Resp: 760719
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.2 6.2 9.4
68 7.0 5.2 7.8





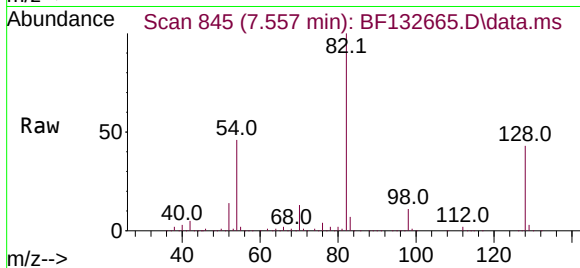
#23
Nitrobenzene-d5
Concen: 27.689 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

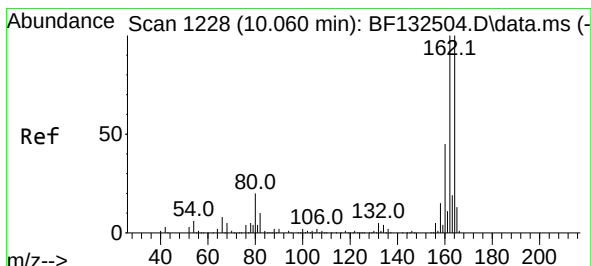
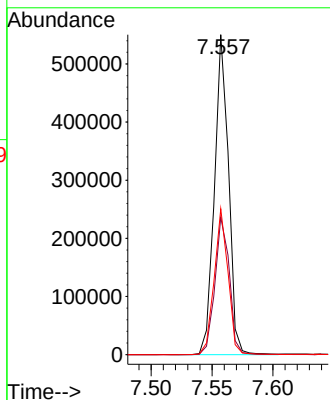
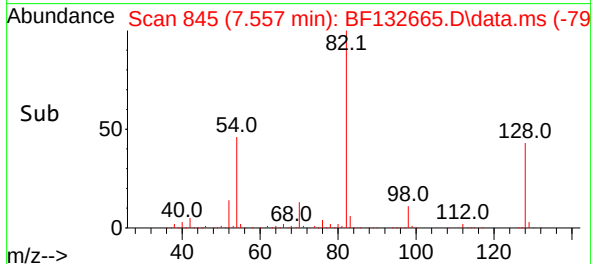


Tgt Ion: 82 Resp: 443965
Ion Ratio Lower Upper
82 100
128 42.9 32.2 48.2
54 45.6 38.4 57.6

Manual Integrations

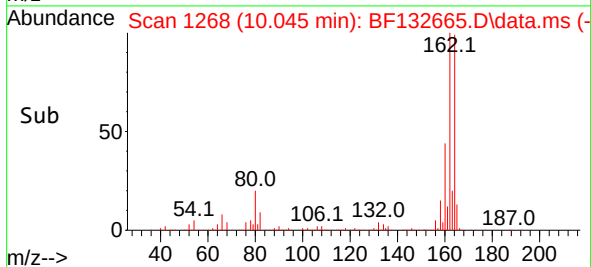
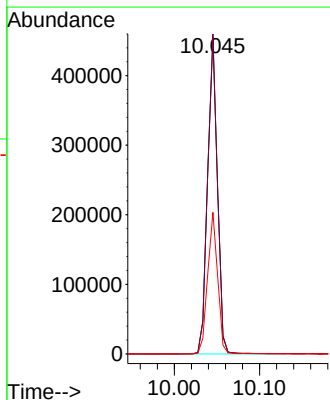
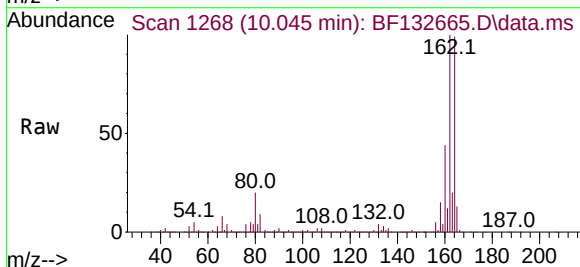
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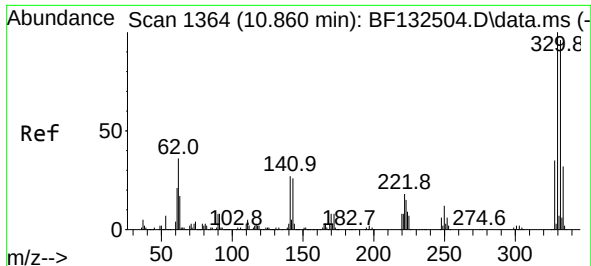
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:164 Resp: 364623
Ion Ratio Lower Upper
164 100
162 101.2 79.8 119.8
160 44.7 35.8 53.6





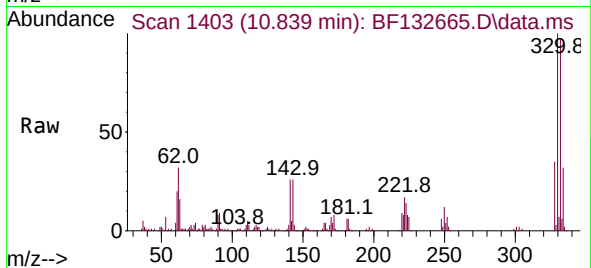
#42
2,4,6-Tribromophenol
Concen: 34.746 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

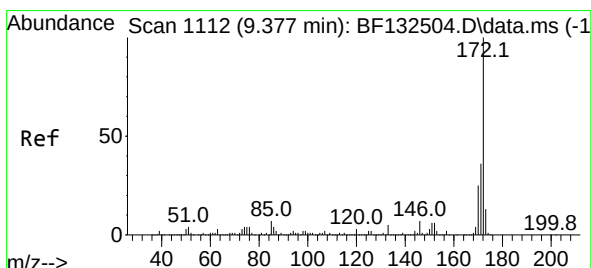
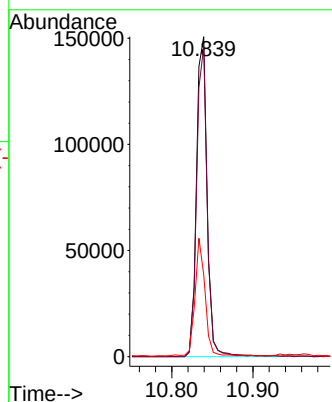
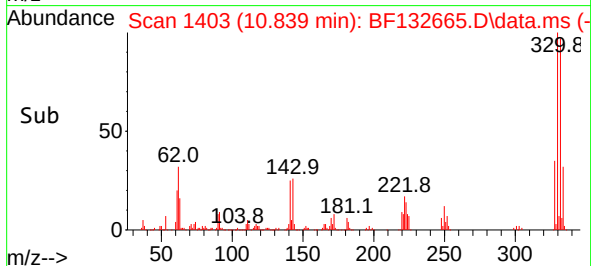


Tgt Ion: 330 Resp: 136820
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 35.1 28.4 42.6

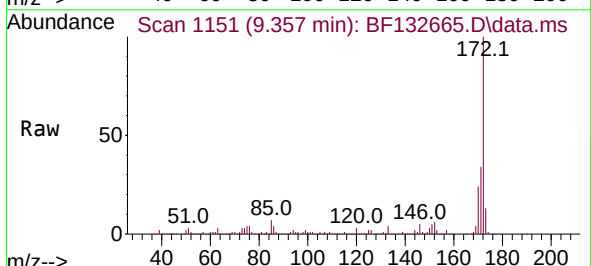
Manual Integrations

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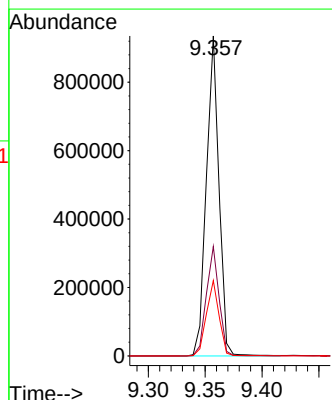
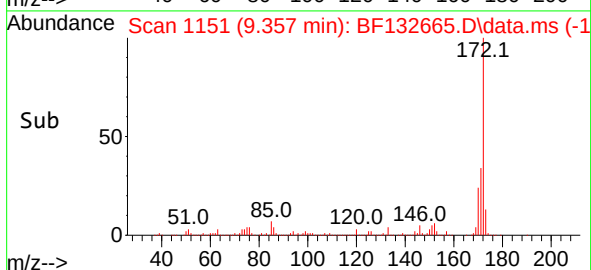
Reviewed By : Christian Giraldo 03/07/2023
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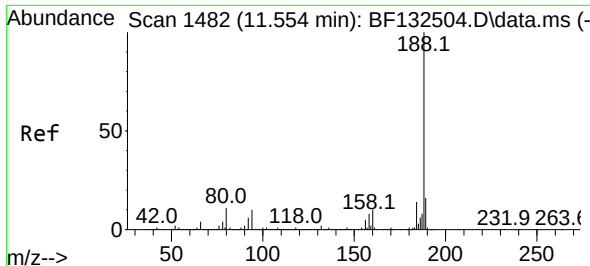


#45
2-Fluorobiphenyl
Concen: 30.190 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54



Tgt Ion: 172 Resp: 722937
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 23.5 19.7 29.5





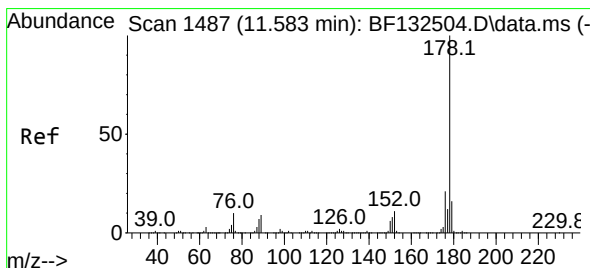
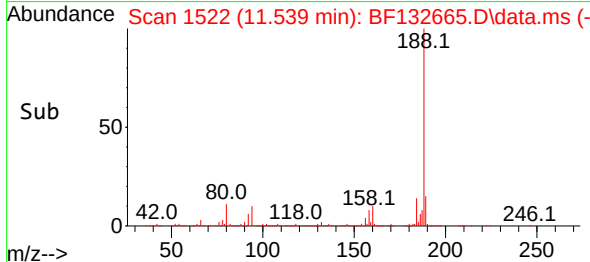
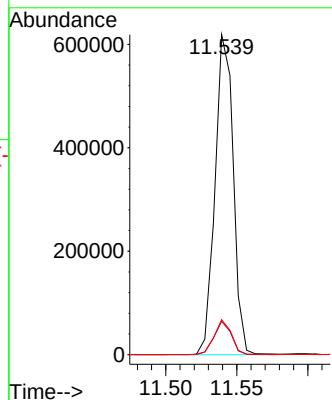
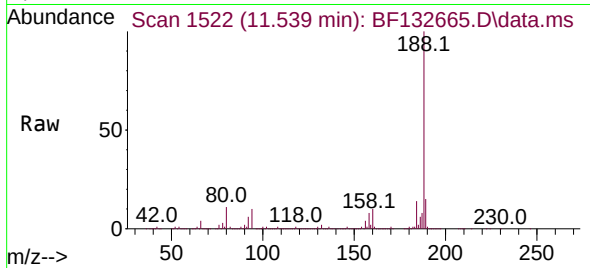
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

Tgt Ion:188 Resp: 55345
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 10.9 8.7 13.1

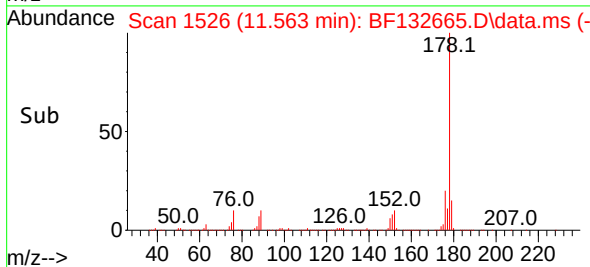
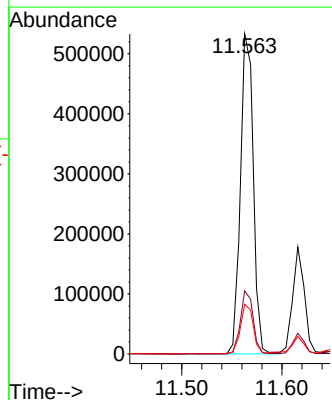
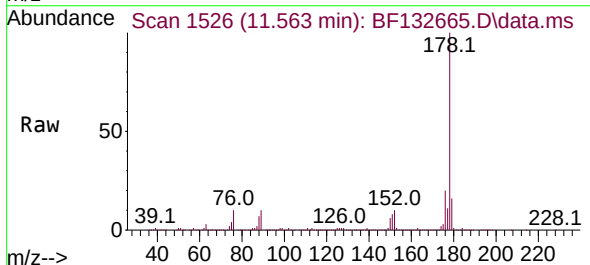
Manual Integrations
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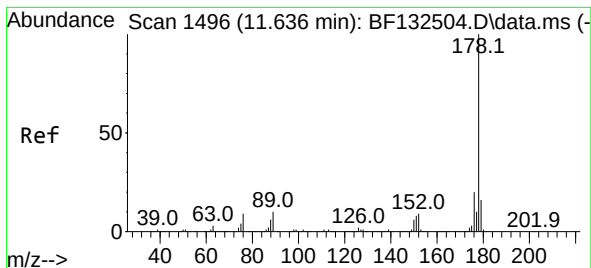
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#71
Phenanthrene
Concen: 16.584 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:178 Resp: 475495
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.5 13.0 19.6





#72

Anthracene

Concen: 4.762 ng

RT: 11.616 min Scan# 11

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

Tgt Ion:178 Resp: 140589

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

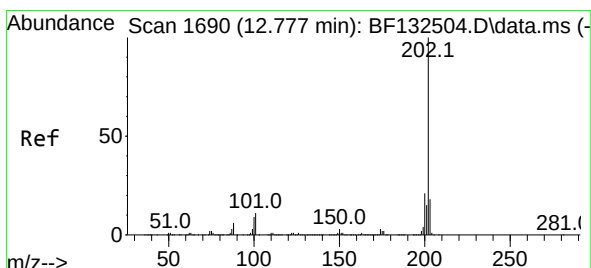
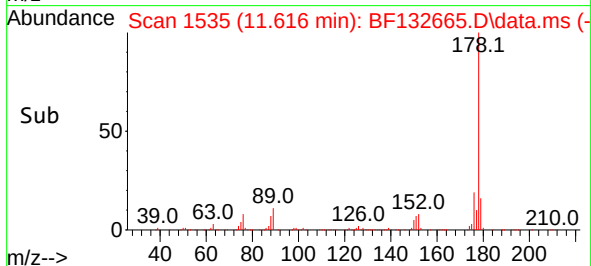
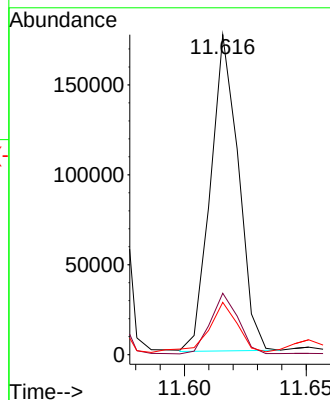
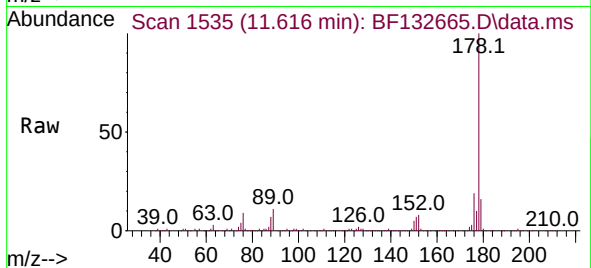
179 16.3 12.5 18.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/07/2023



#75

Fluoranthene

Concen: 30.633 ng

RT: 12.763 min Scan# 1730

Delta R.T. -0.009 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

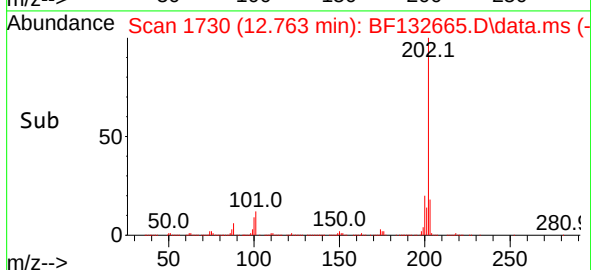
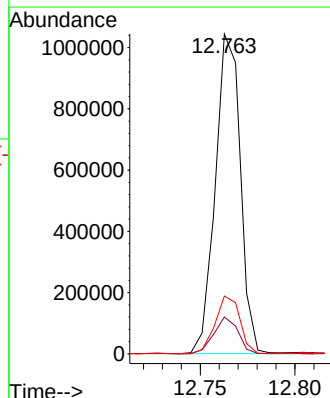
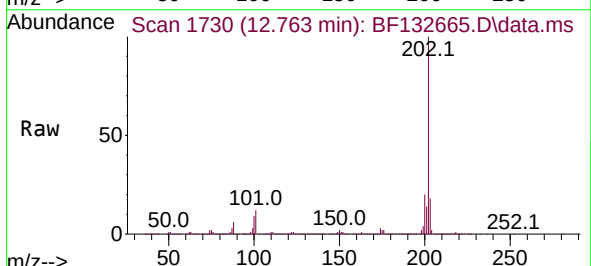
Tgt Ion:202 Resp: 960172

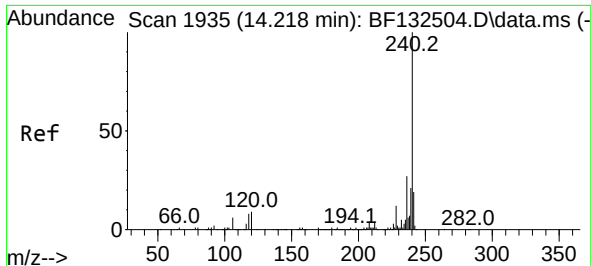
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

203 18.1 0.0 38.0





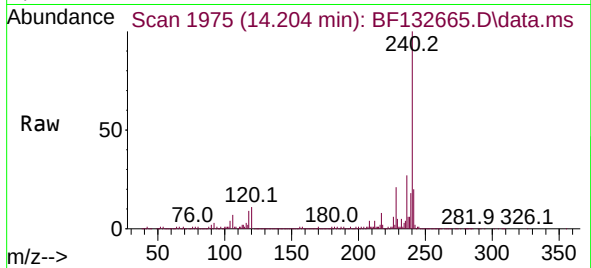
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

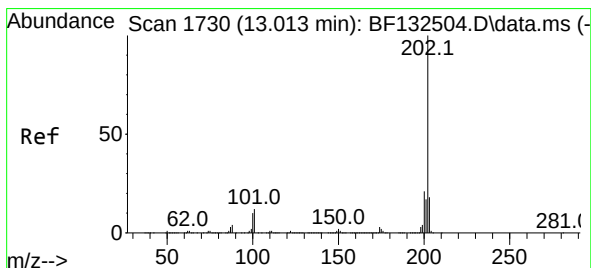
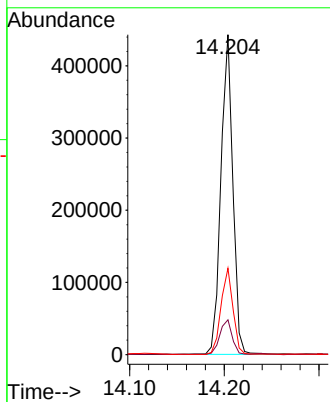
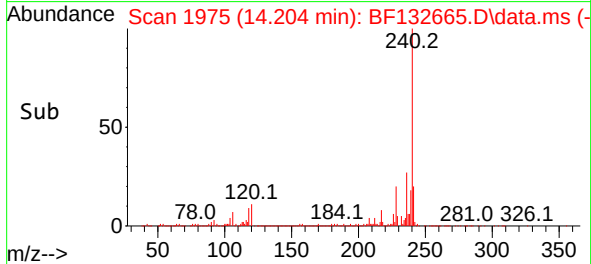


Tgt Ion:240 Resp: 386472
Ion Ratio Lower Upper
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120 10.9 7.2 10.8
236 27.0 21.8 32.6

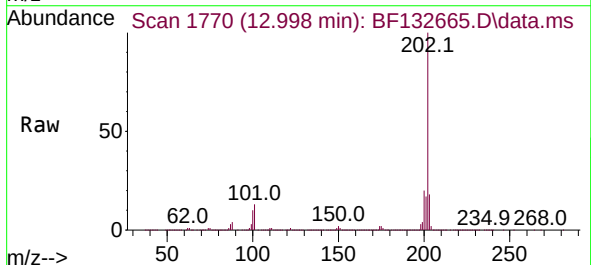
Manual Integrations

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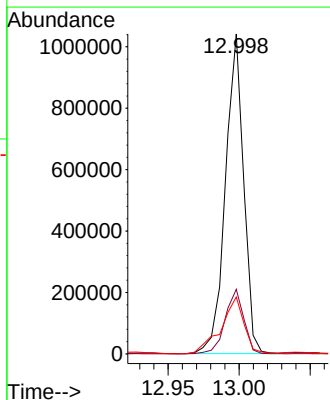
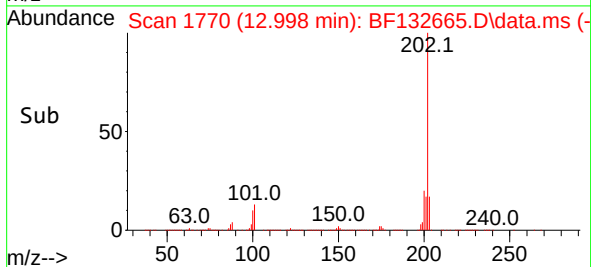
Reviewed By :Christian Giraldo 03/07/2023
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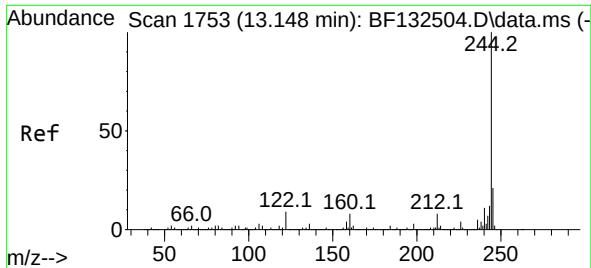


#78
Pyrene
Concen: 26.481 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54



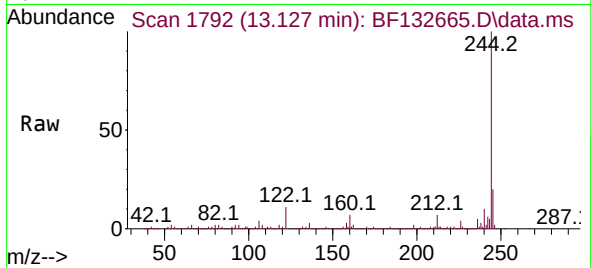
Tgt Ion:202 Resp: 930492
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 17.8 14.6 21.8





#79
Terphenyl-d14
Concen: 21.538 ng
RT: 13.127 min Scan# 1792
Delta R.T. -0.015 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

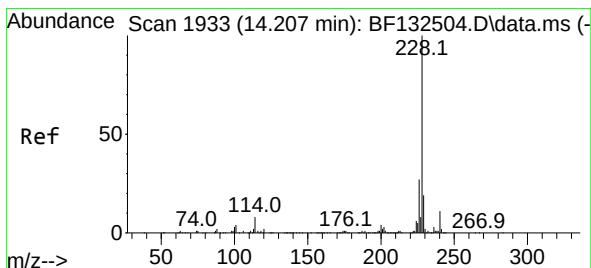
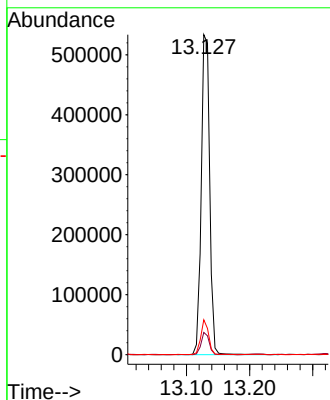
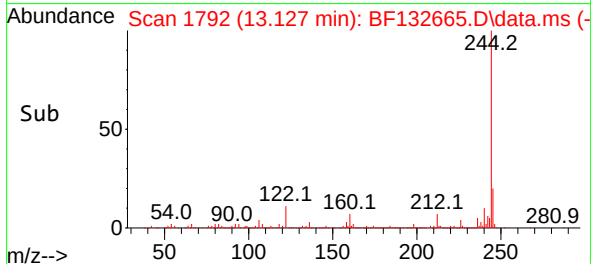
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL



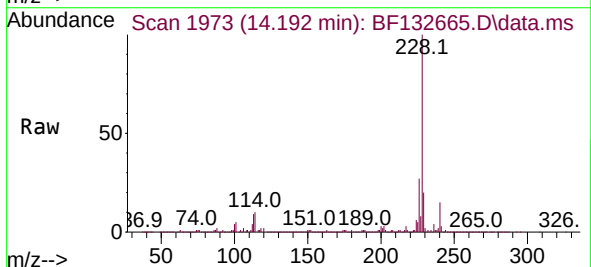
Tgt Ion:244 Resp: 492318
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 10.9 7.5 11.3

Manual Integrations
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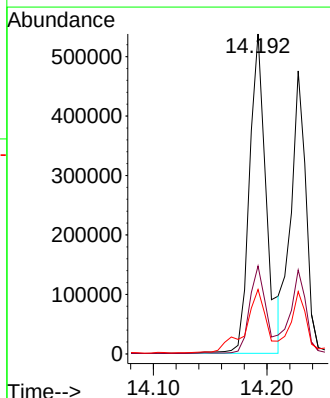
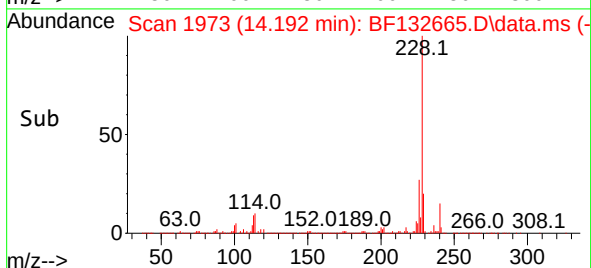
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

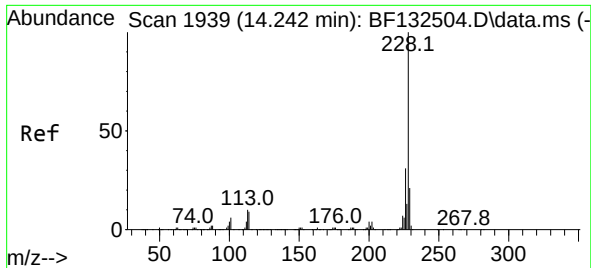


#81
Benzo(a)anthracene
Concen: 18.936 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54



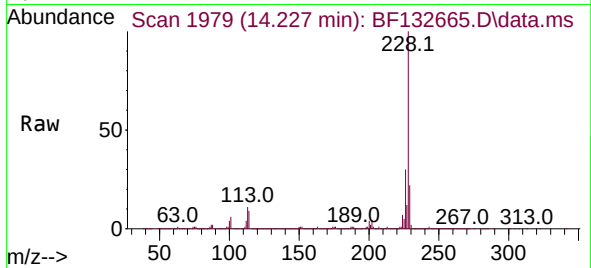
Tgt Ion:228 Resp: 547562
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 20.1 15.4 23.2





#83
Chrysene
Concen: 16.275 ng
RT: 14.227 min Scan# 1939
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

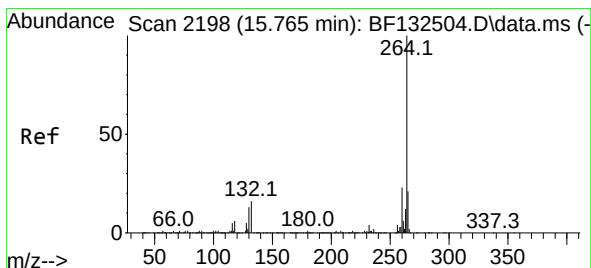
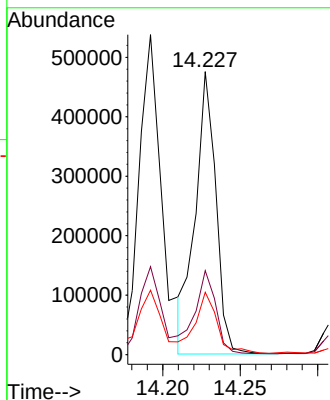
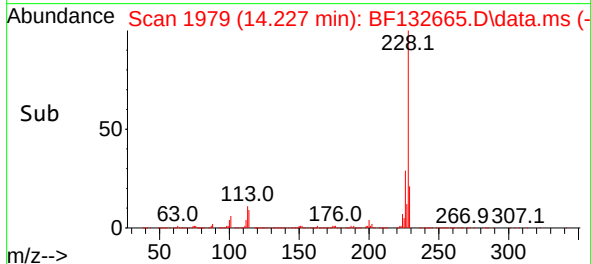
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL



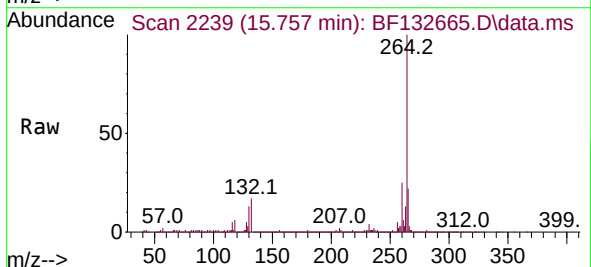
Tgt Ion:228 Resp: 440080
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.1 16.4 24.6

Manual Integrations
APPROVED

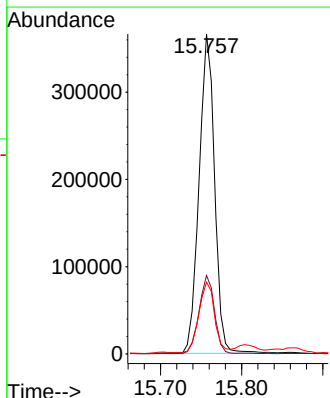
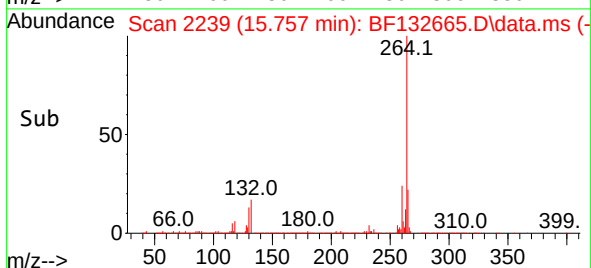
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

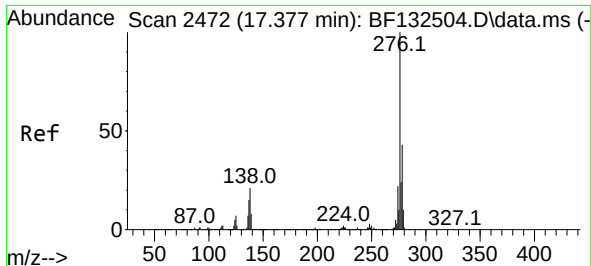


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2239
Delta R.T. 0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54



Tgt Ion:264 Resp: 486770
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.4 17.1 25.7





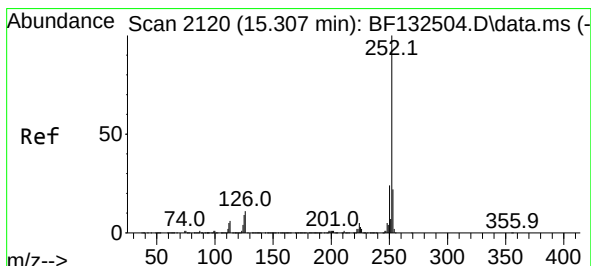
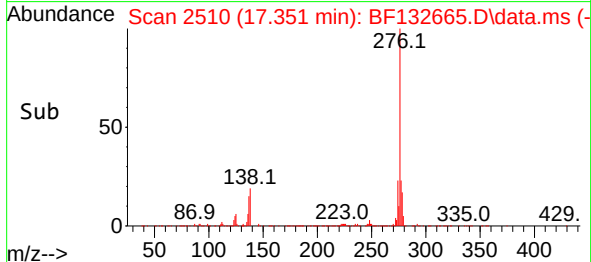
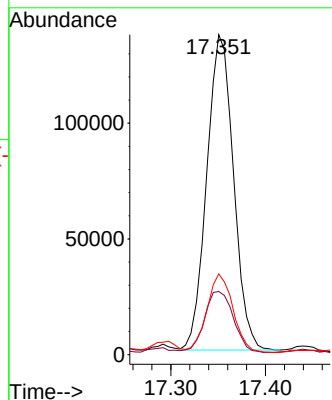
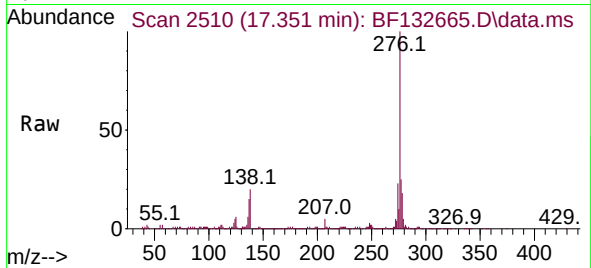
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.406 ng
RT: 17.351 min Scan# 2160
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

Tgt Ion:276 Resp: 268120
Ion Ratio Lower Upper
276 100
138 21.1 19.0 28.4
277 24.4 20.0 30.0

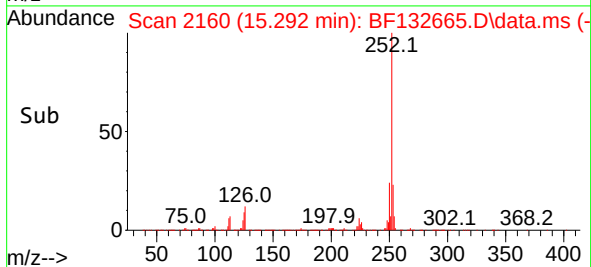
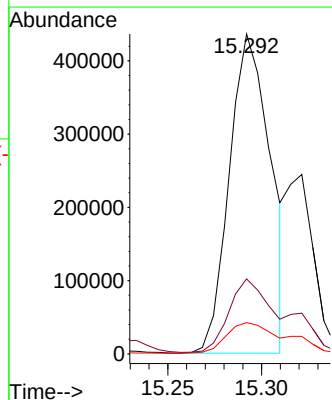
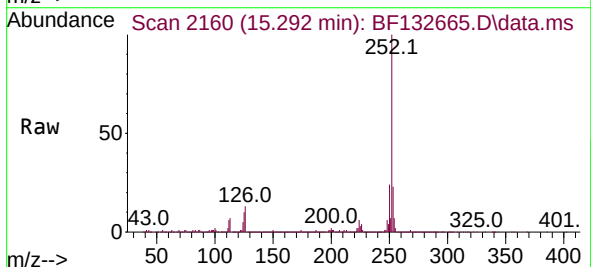
Manual Integrations
APPROVED

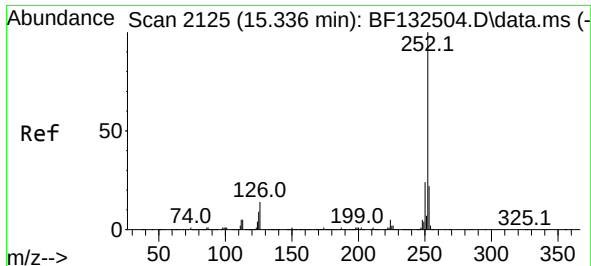
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#88
Benzo(b)fluoranthene
Concen: 20.325 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:252 Resp: 663012
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 9.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 7.438 ng m

RT: 15.321 min Scan# 2125

Delta R.T. -0.003 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

Tgt Ion:252 Resp: 237449

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

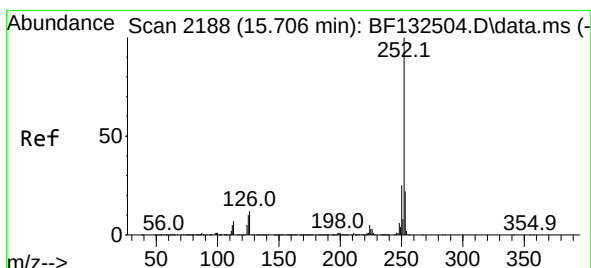
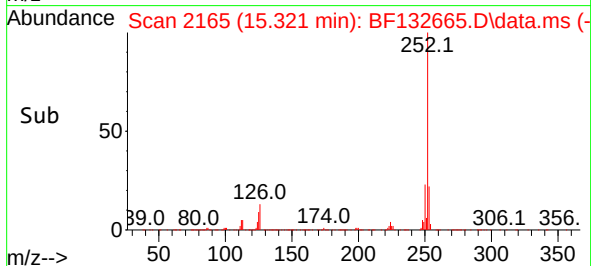
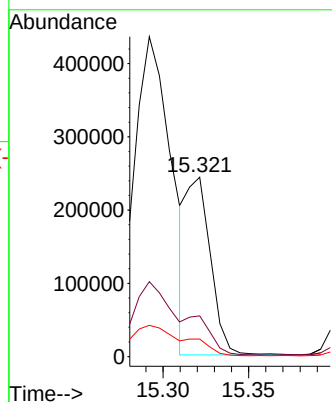
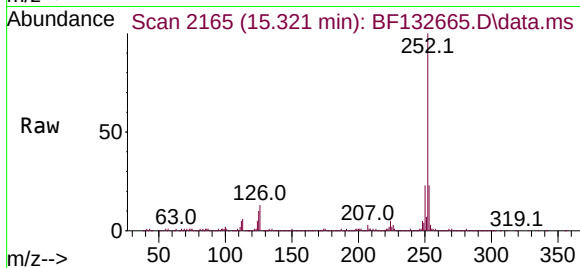
125 9.8 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#90

Benzo(a)pyrene

Concen: 17.395 ng

RT: 15.692 min Scan# 2228

Delta R.T. 0.003 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

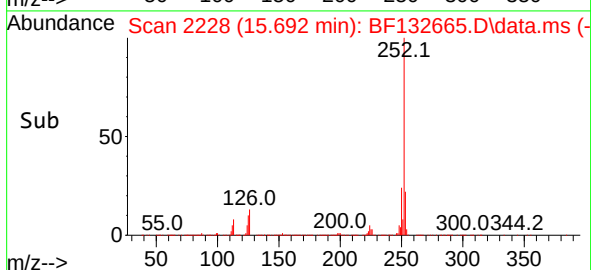
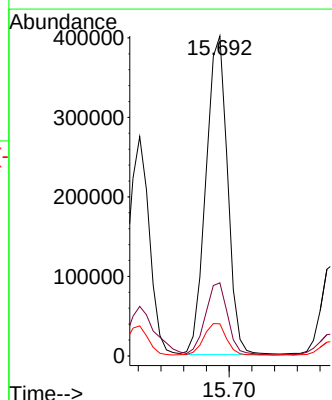
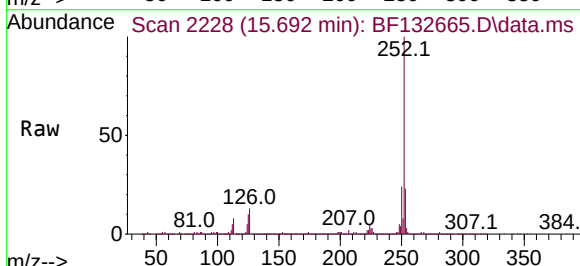
Tgt Ion:252 Resp: 531079

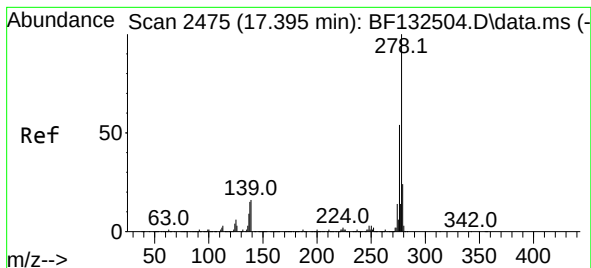
Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 10.0 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 2.607 ng m

RT: 17.362 min Scan# 21

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

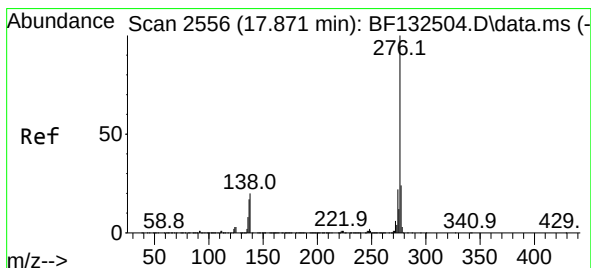
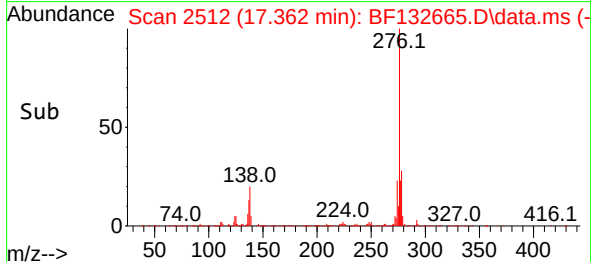
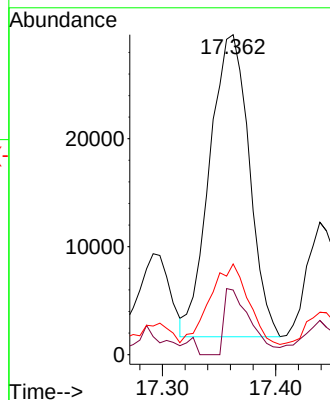
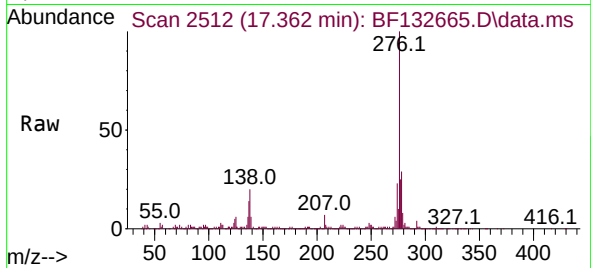
Tgt Ion:	278	Resp:	6775
Ion Ratio	Lower	Upper	
278	100		
139	20.2	13.0	19.4
279	28.3	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#92

Benzo(g,h,i)perylene

Concen: 9.663 ng

RT: 17.839 min Scan# 2593

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Tgt Ion:	276	Resp:	244595
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.9	28.3
138	21.5	16.2	24.4

