

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133085.D
 Acq On : 27 Apr 2023 01:37
 Operator : CG\JU
 Sample : 02484-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRCA-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2023
 Supervised By : Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 04:03:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.733	152	181204	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	687243	20.000	ng	0.00
39) Acenaphthene-d10	9.768	164	323076	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	491217	20.000	ng	0.00
76) Chrysene-d12	13.886	240	332717	20.000	ng	0.00
86) Perylene-d12	15.309	264	260485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	208548	17.386	ng	0.00
7) Phenol-d6	6.369	99	852761	57.275	ng	-0.01
23) Nitrobenzene-d5	7.298	82	634245	49.814	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	9948	3.062	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1147985	59.447	ng	0.00
79) Terphenyl-d14	12.839	244	1044891	54.163	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.274	178	165348	6.263	ng	99
75) Fluoranthene	12.462	202	198867	7.505	ng	97
78) Pyrene	12.686	202	194047	6.804	ng	97
81) Benzo(a)anthracene	13.874	228	73540	3.214	ng	# 92
83) Chrysene	13.909	228	78615	3.437	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.686	276	32246	2.176	ng	98
88) Benzo(b)fluoranthene	14.903	252	80835m	4.878	ng	
90) Benzo(a)pyrene	15.251	252	53778	3.565	ng	# 72
92) Benzo(g,h,i)perylene	17.103	276	35327	2.896	ng	# 88

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

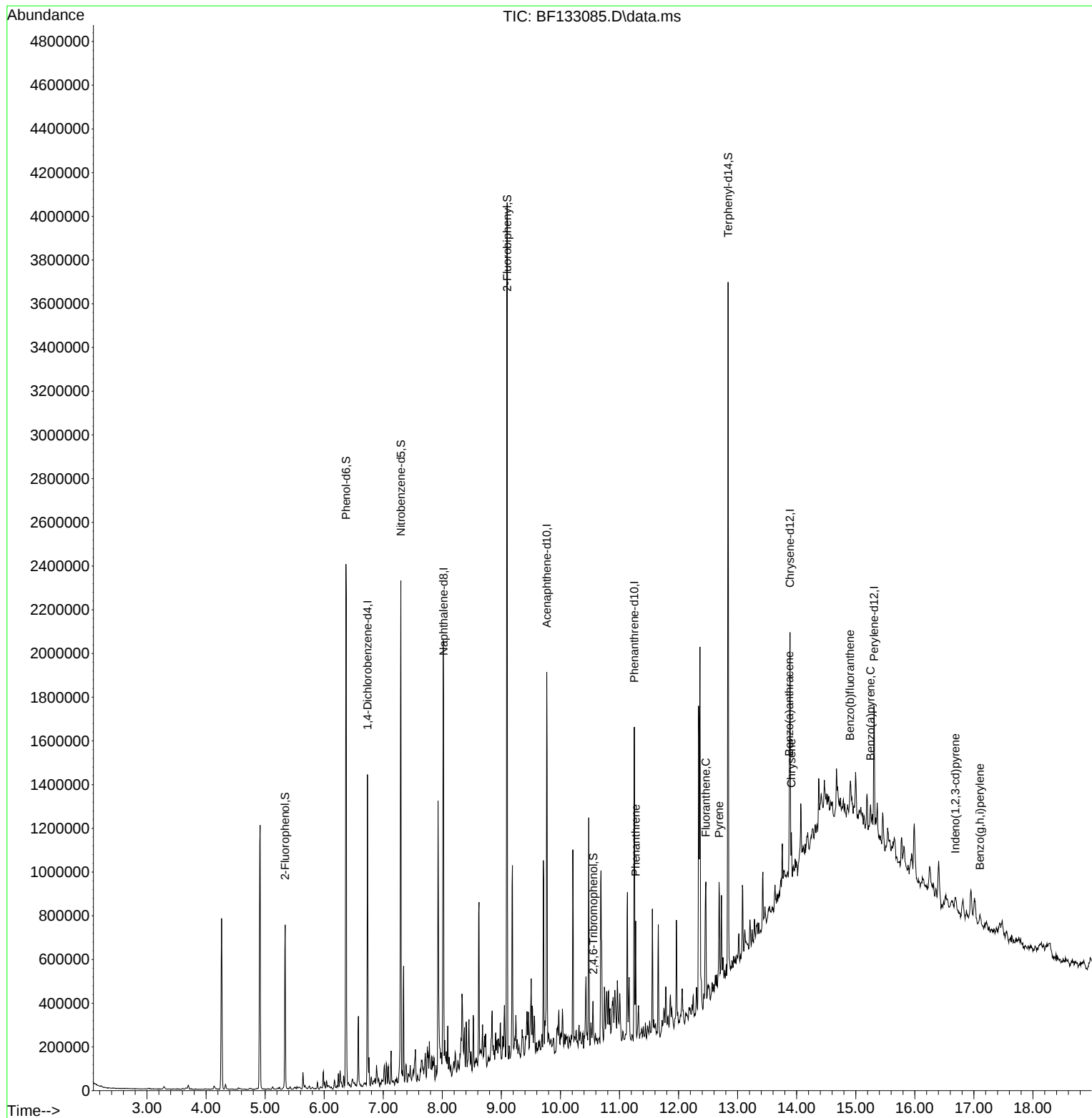
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133085.D
Acq On : 27 Apr 2023 01:37
Operator : CG\JU
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ALS Vial : 21 Sample Multiplier: 1

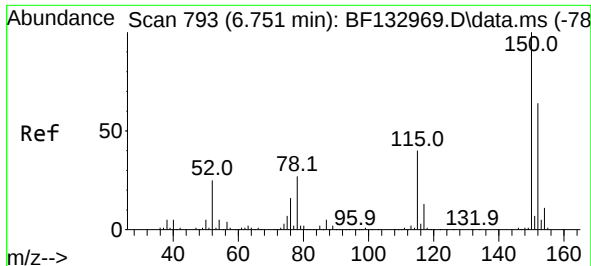
Instrument :
BNA_F
ClientSampleId :
CRCA-1

Quant Time: Apr 27 04:03:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

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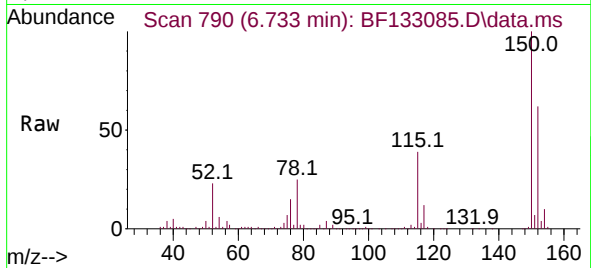
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.733 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

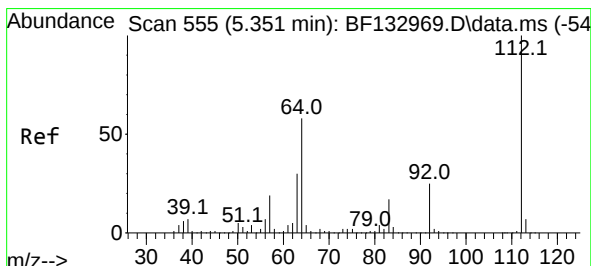
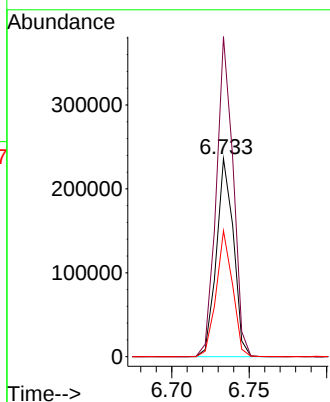
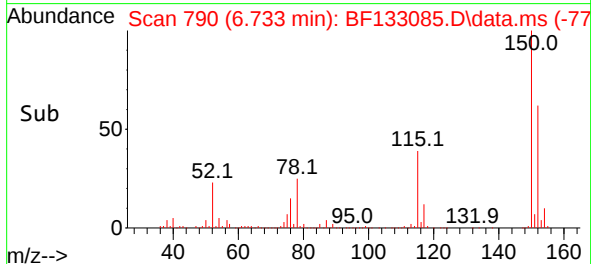
Instrument :
BNA_F
ClientSampleId :
CRCA-1



Tgt Ion:152 Resp: 181204
Ion Ratio Lower Upper
152 100
150 161.6 124.8 187.2
115 63.6 49.9 74.9

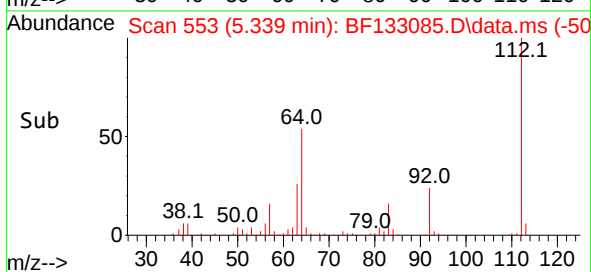
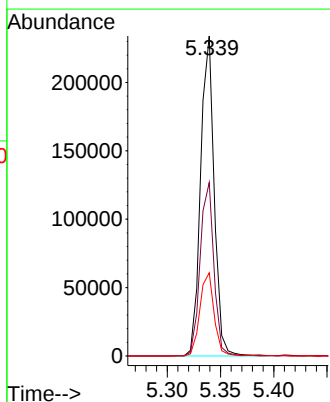
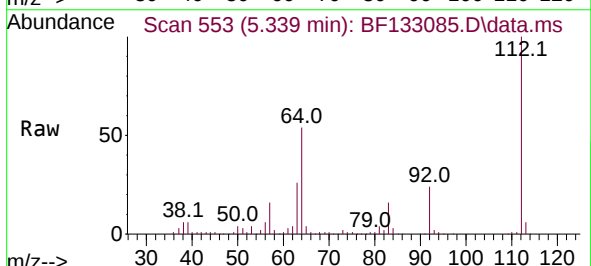
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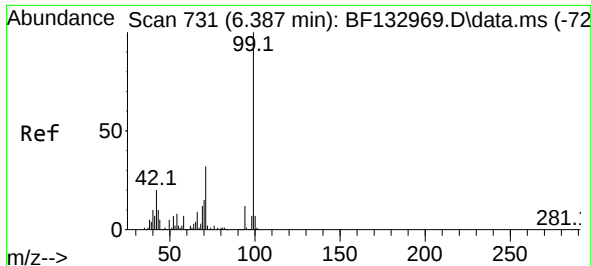
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#5
2-Fluorophenol
Concen: 17.386 ng
RT: 5.339 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

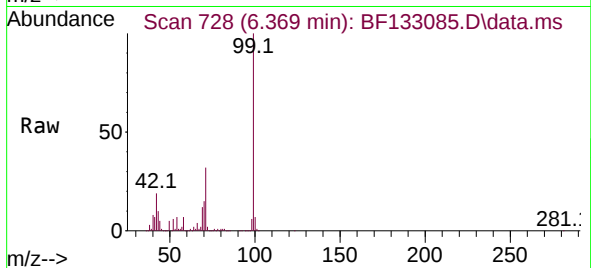
Tgt Ion:112 Resp: 208548
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 26.0 23.8 35.8





#7
Phenol-d6
Concen: 57.275 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

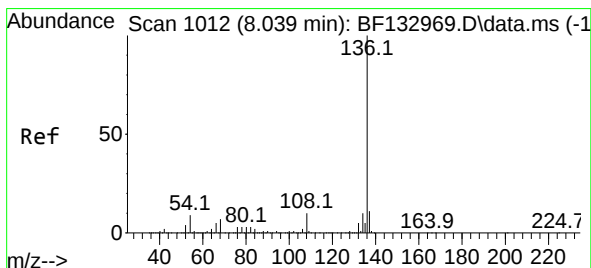
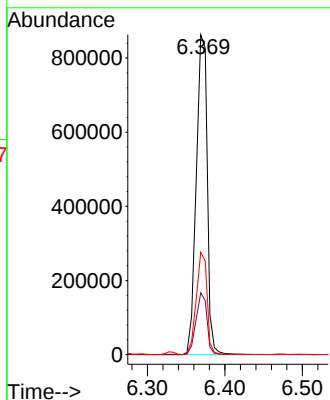
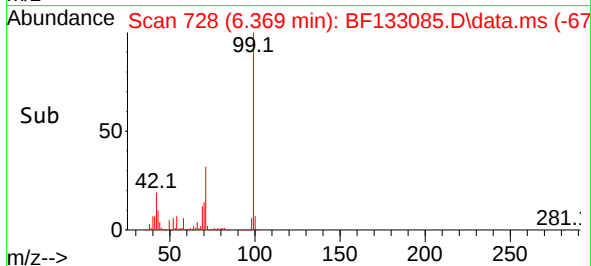
Instrument :
BNA_F
ClientSampleId :
CRCA-1



Tgt Ion: 99 Resp: 85276
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 32.0 25.6 38.4

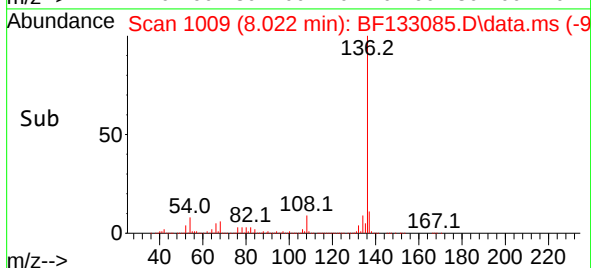
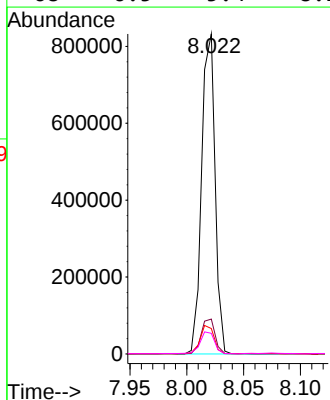
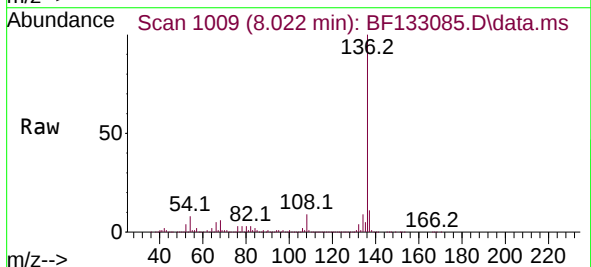
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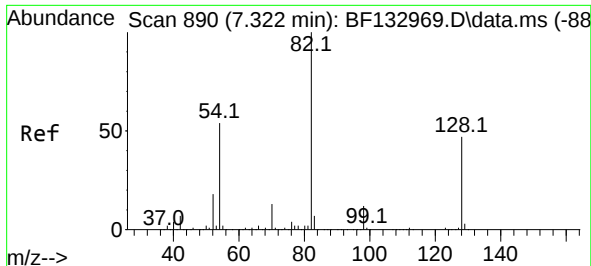
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

Tgt Ion:136 Resp: 687243
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 49.814 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

Tgt Ion: 82 Resp: 63424

Ion Ratio Lower Upper

82 100

128 48.7 37.7 56.5

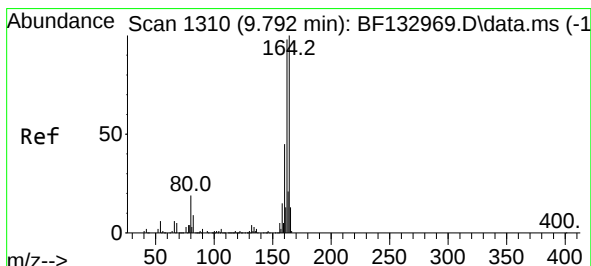
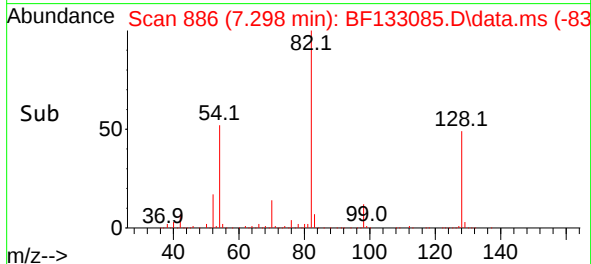
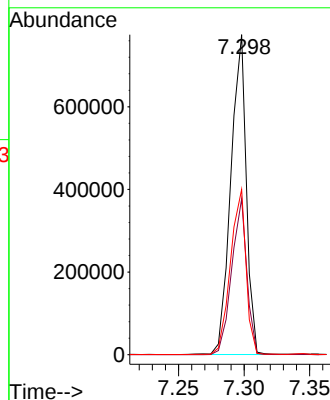
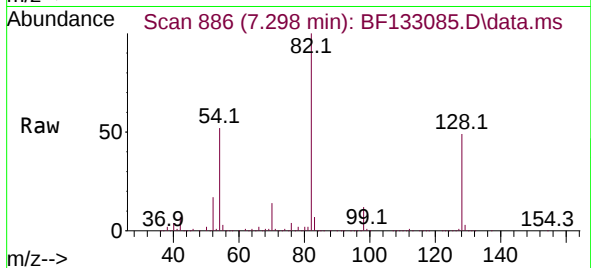
54 51.6 43.0 64.4

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Supervised By :Jagrut Upadhyay 04/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.768 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

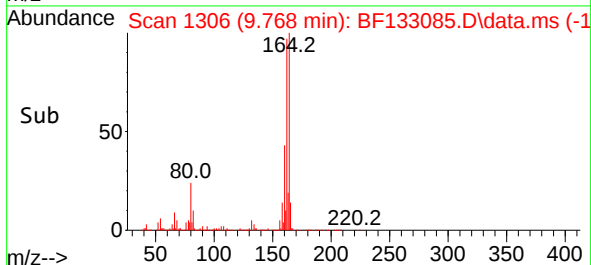
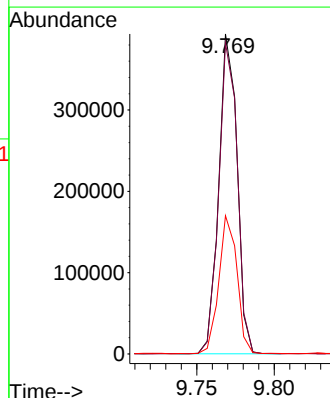
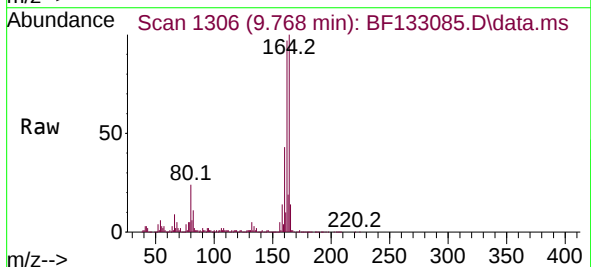
Tgt Ion:164 Resp: 323076

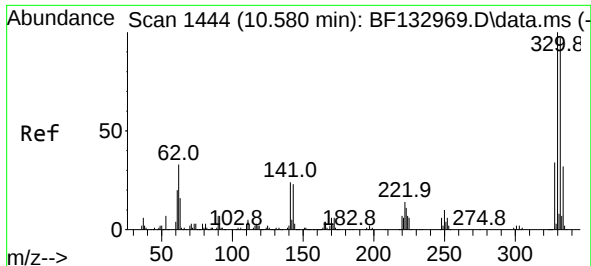
Ion Ratio Lower Upper

164 100

162 97.2 78.7 118.1

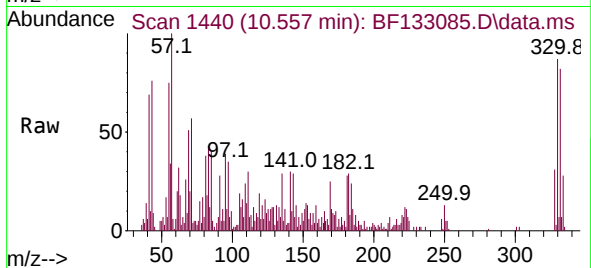
160 43.2 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 3.062 ng
RT: 10.557 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

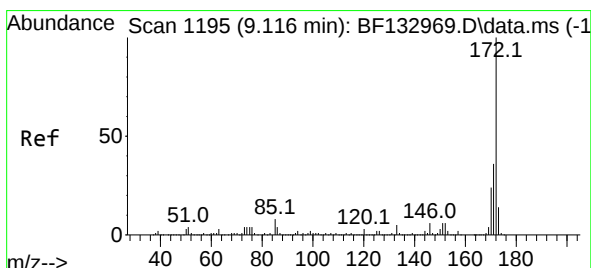
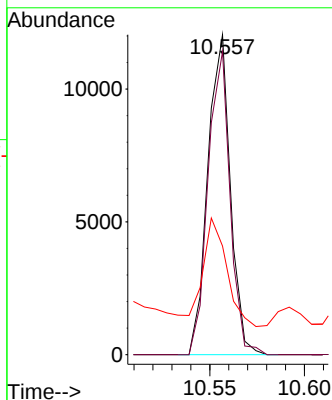
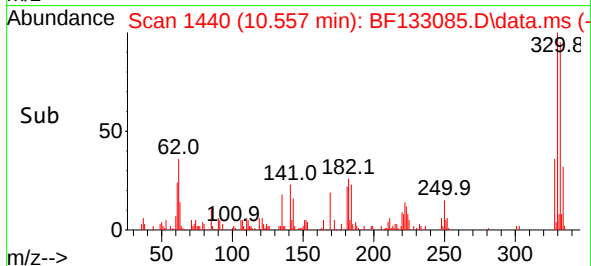
Instrument :
BNA_F
ClientSampleId :
CRCA-1



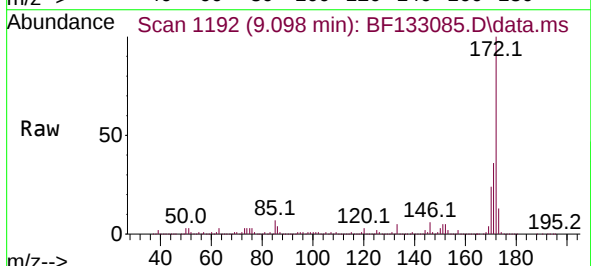
Tgt Ion: 330 Resp: 9948
Ion Ratio Lower Upper
330 100
332 92.4 77.1 115.7
141 36.5 25.8 38.8

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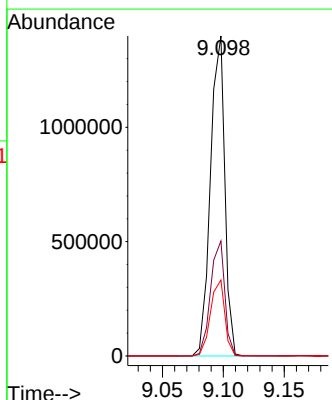
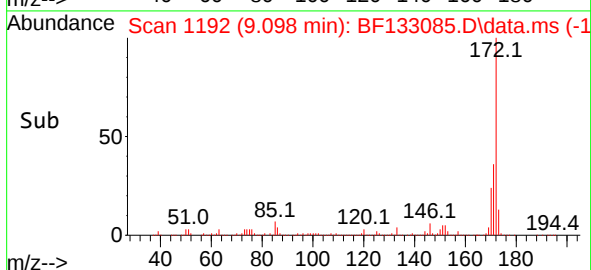
Reviewed By : Christian Giraldo 04/27/2023
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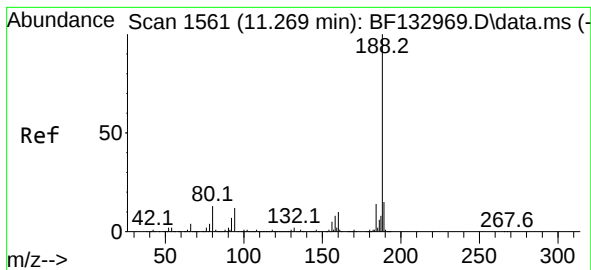


#45
2-Fluorobiphenyl
Concen: 59.447 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37



Tgt Ion: 172 Resp: 1147985
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.8 19.4 29.2





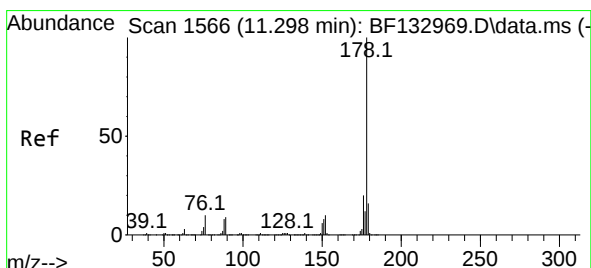
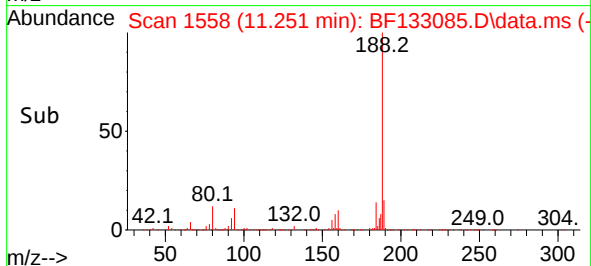
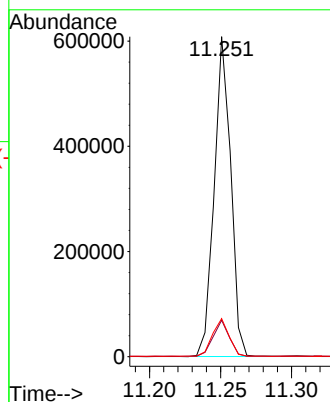
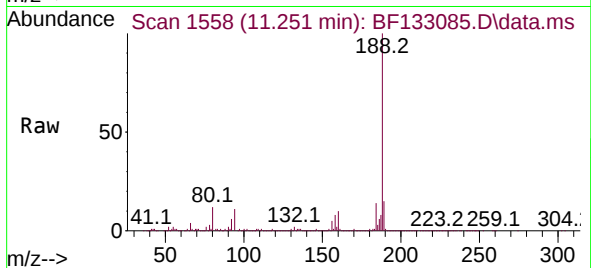
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

Instrument :
BNA_F
ClientSampleId :
CRCA-1

Tgt Ion:188 Resp: 49121
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 11.9 10.4 15.6

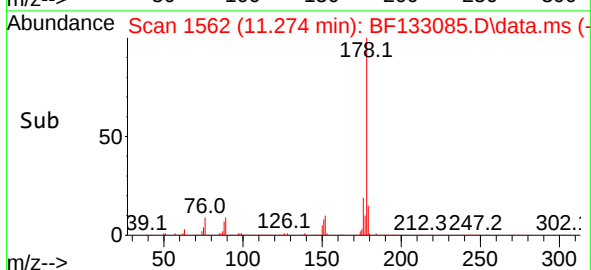
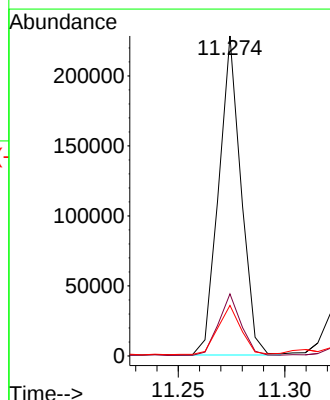
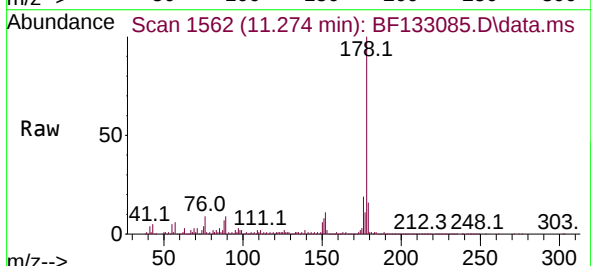
Manual Integrations
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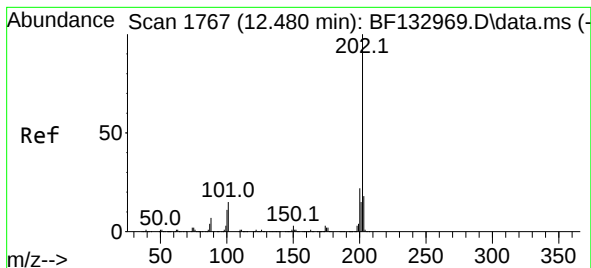
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#71
Phenanthrene
Concen: 6.263 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

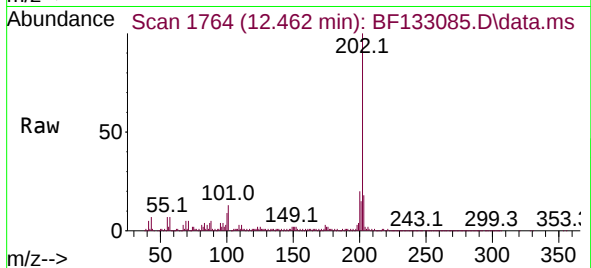
Tgt Ion:178 Resp: 165348
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.8 12.5 18.7





#75
Fluoranthene
Concen: 7.505 ng
RT: 12.462 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

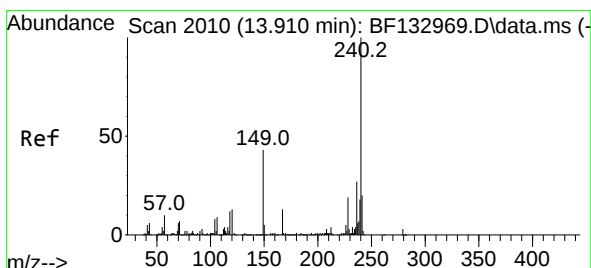
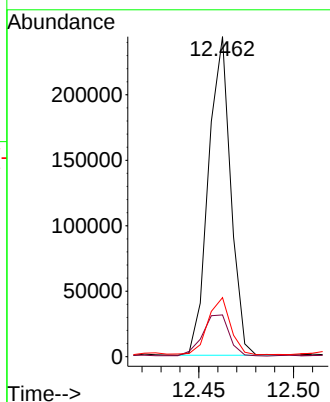
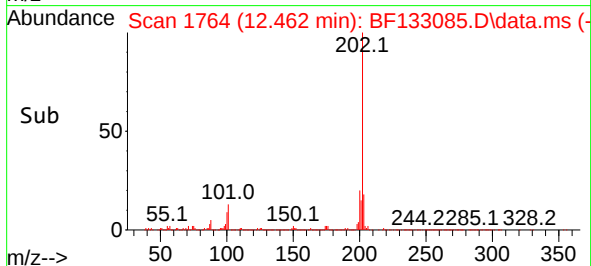
Instrument :
BNA_F
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CRCA-1



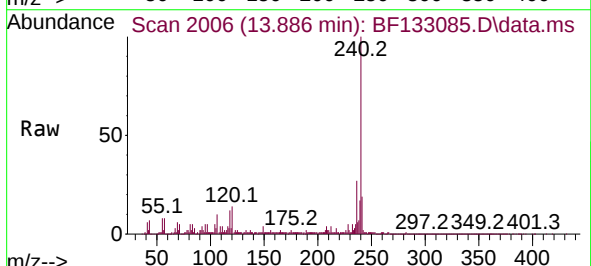
Tgt Ion:202 Resp: 19886
Ion Ratio Lower Upper
202 100
101 13.1 0.0 35.3
203 18.5 0.0 38.1

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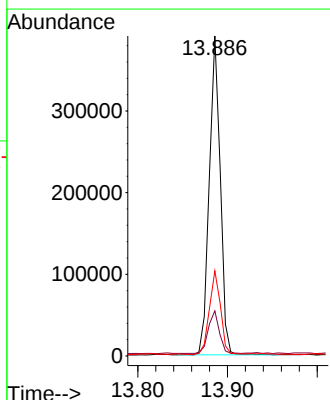
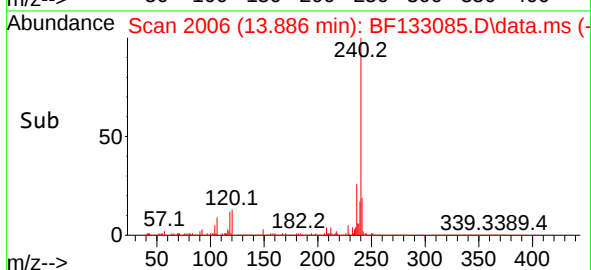
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

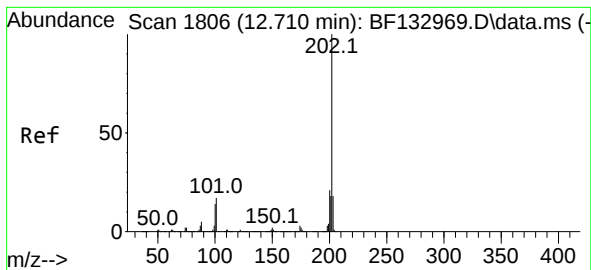


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37



Tgt Ion:240 Resp: 332717
Ion Ratio Lower Upper
240 100
120 14.1 10.5 15.7
236 26.6 21.5 32.3





#78

Pyrene

Concen: 6.804 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

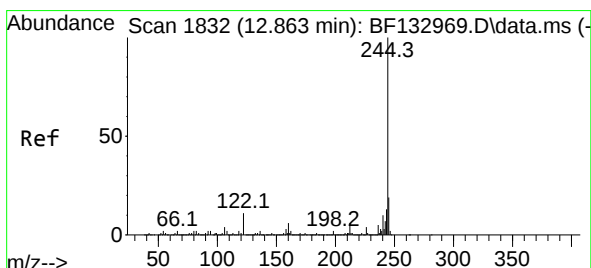
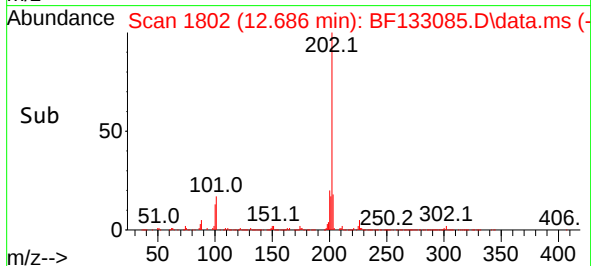
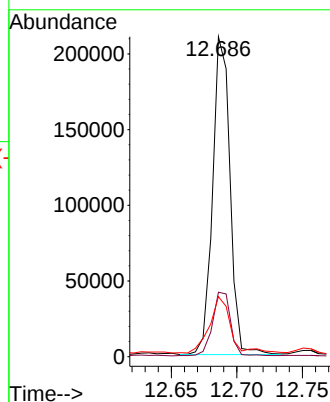
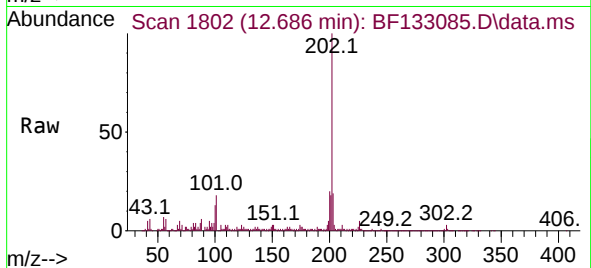
CRCA-1

Tgt Ion:202 Resp: 19404
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.1 25.7
 203 18.8 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023



#79

Terphenyl-d14

Concen: 54.163 ng

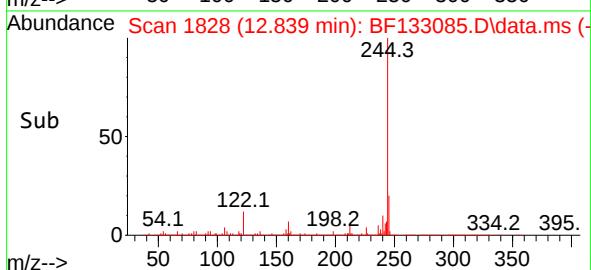
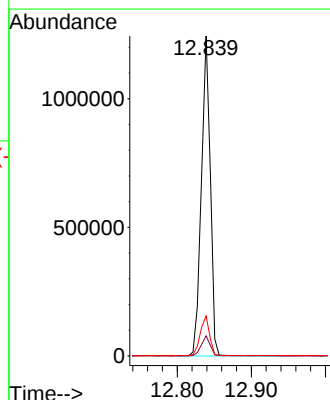
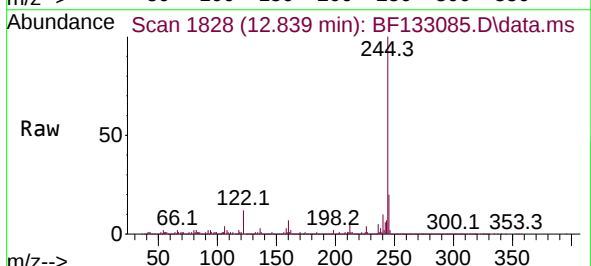
RT: 12.839 min Scan# 1828

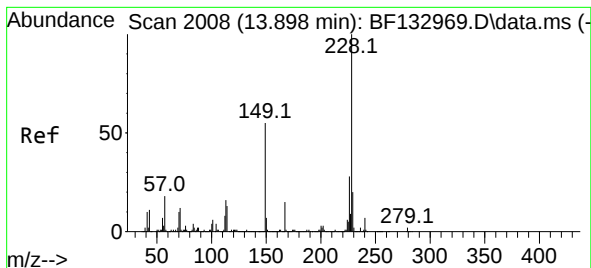
Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Tgt Ion:244 Resp: 1044891
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.5 8.6 13.0





#81

Benzo(a)anthracene

Concen: 3.214 ng

RT: 13.874 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

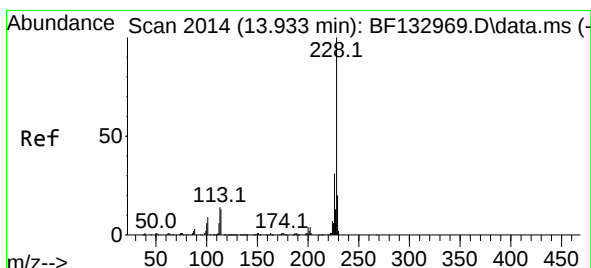
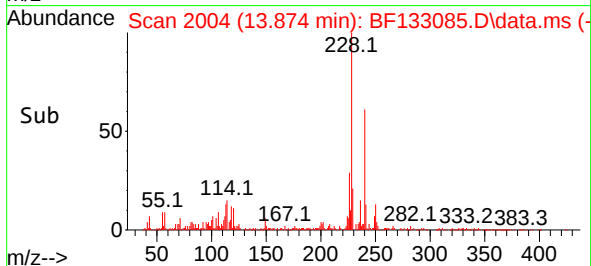
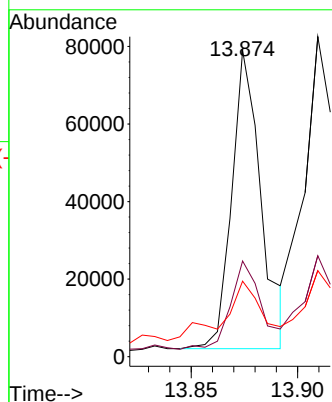
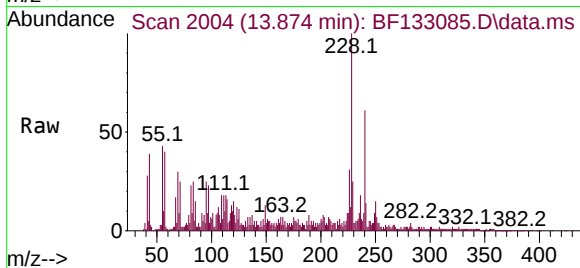
Tgt Ion:	228	Resp:	73540
Ion Ratio	Lower	Upper	
228	100		
226	31.2	22.2	33.4
229	24.7	16.0	24.0

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#83

Chrysene

Concen: 3.437 ng

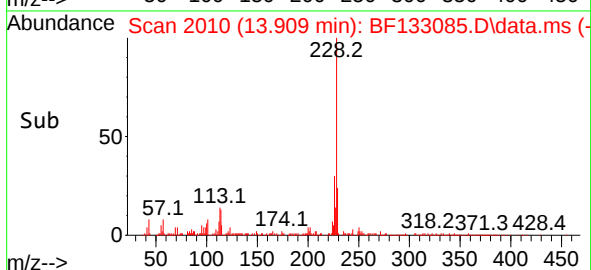
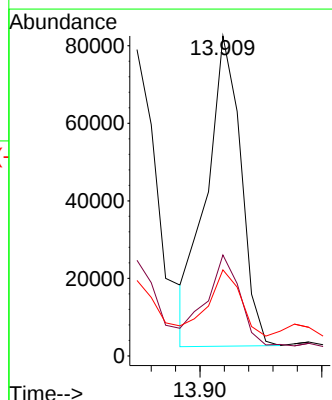
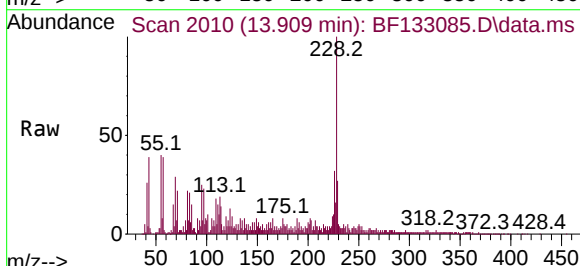
RT: 13.909 min Scan# 2010

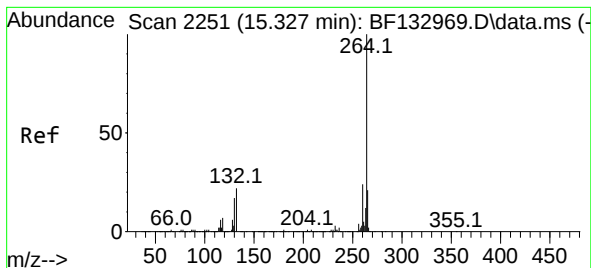
Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

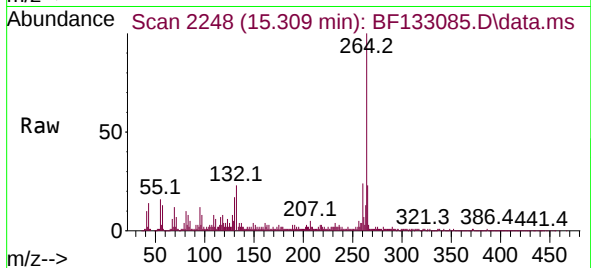
Tgt Ion:	228	Resp:	78615
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.7	37.1
229	26.9	16.1	24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.309 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

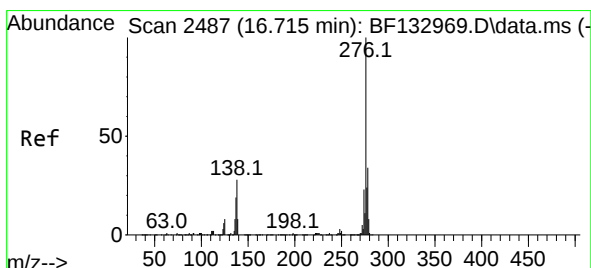
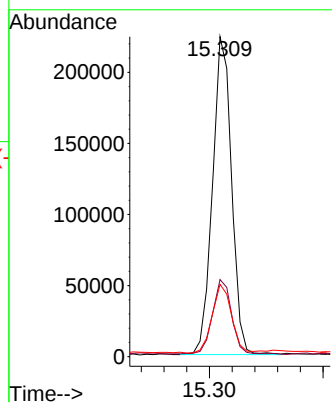
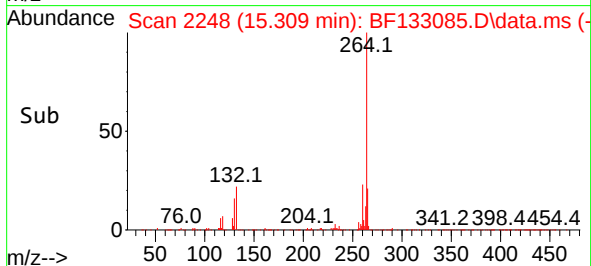
Instrument :
BNA_F
ClientSampleId :
CRCA-1



Tgt Ion:264 Resp: 26048
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.6 17.0 25.4

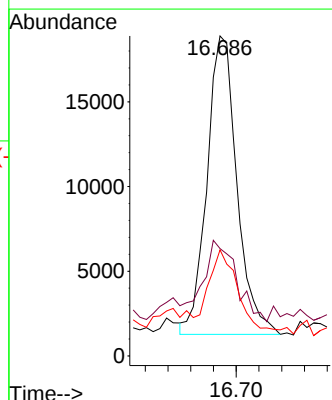
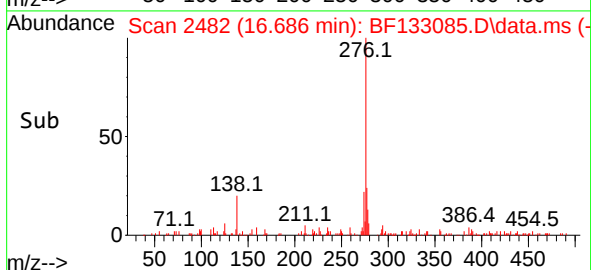
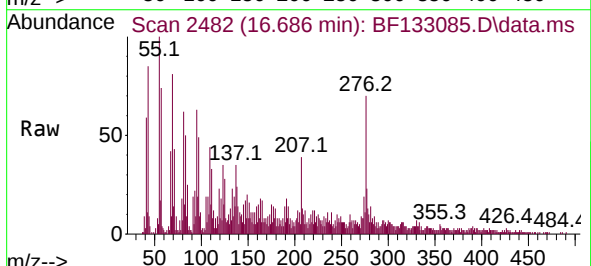
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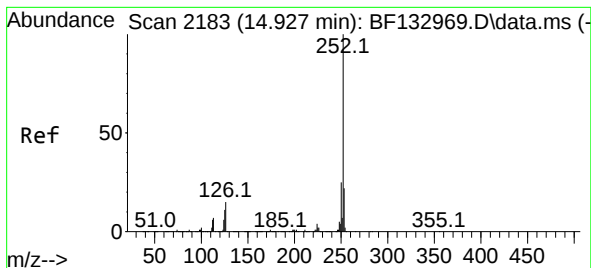
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.176 ng
RT: 16.686 min Scan# 2482
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

Tgt Ion:276 Resp: 32246
Ion Ratio Lower Upper
276 100
138 30.4 25.5 38.3
277 24.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 4.878 ng m

RT: 14.903 min Scan# 2183

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

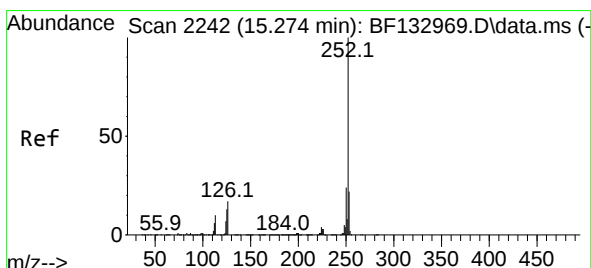
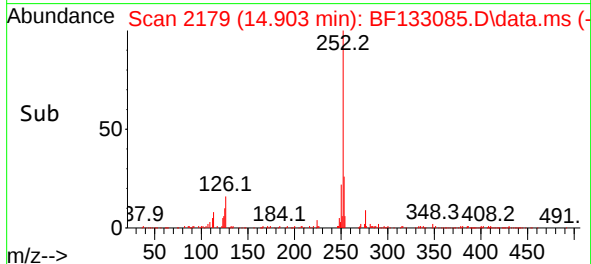
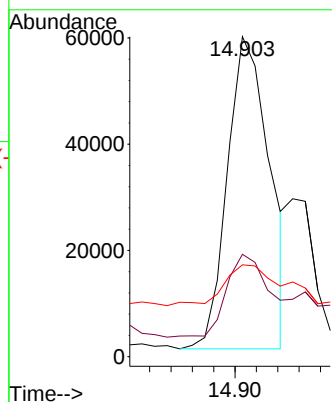
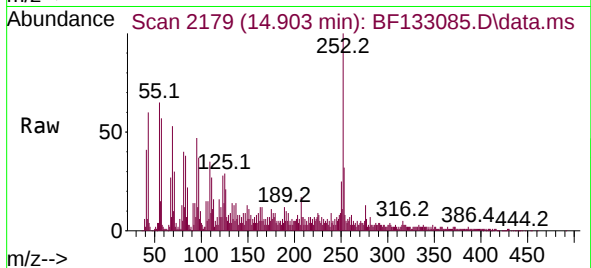
Tgt Ion:252 Resp: 80835
 Ion Ratio Lower Upper
 252 100
 253 32.0 17.6 26.4#
 125 28.7 8.9 13.3#

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#90

Benzo(a)pyrene

Concen: 3.565 ng

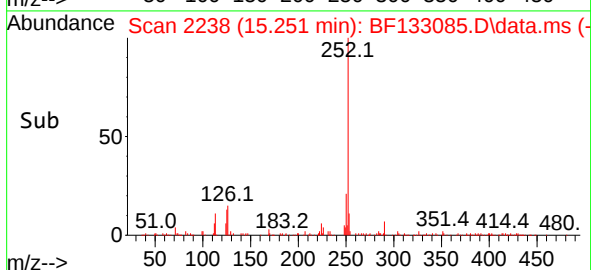
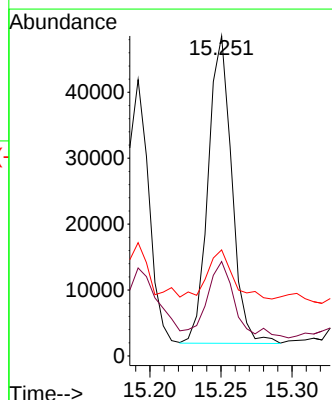
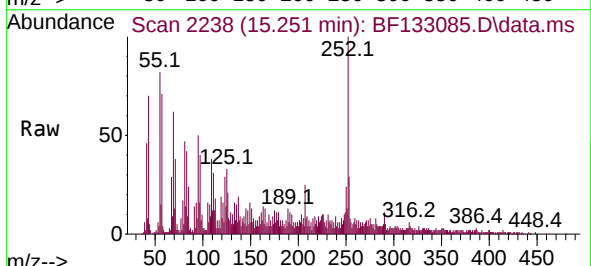
RT: 15.251 min Scan# 2238

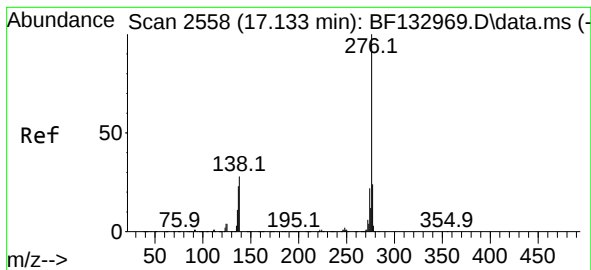
Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

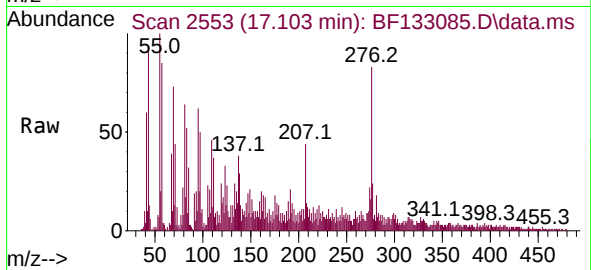
Tgt Ion:252 Resp: 53778
 Ion Ratio Lower Upper
 252 100
 253 29.5 17.7 26.5#
 125 33.1 10.5 15.7#





#92
 Benzo(g,h,i)perylene
 Concen: 2.896 ng
 RT: 17.103 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF133085.D
 Acq: 27 Apr 2023 01:37

Instrument :
 BNA_F
 ClientSampleId :
 CRCA-1



Tgt Ion:	276	Resp:	3532
Ion Ratio	Lower	Upper	
276	100		
277	28.8	19.4	29.0
138	35.6	22.7	34.1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023

