

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133046.D
 Acq On : 26 Apr 2023 01:03
 Operator : CG\JU
 Sample : 02270-25
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-0-2-20230413

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

Quant Time: Apr 26 02:20:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	206120	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	790968	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	413305	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	683139	20.000	ng	0.00
76) Chrysene-d12	13.892	240	418606	20.000	ng	0.00
86) Perylene-d12	15.315	264	433468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	995745	72.976	ng	0.00
7) Phenol-d6	6.381	99	1204656	71.130	ng	0.00
23) Nitrobenzene-d5	7.304	82	750957	51.246	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	288574	69.426	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1365026	55.254	ng	-0.01
79) Terphenyl-d14	12.845	244	1245065	51.297	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.280	178	205225	5.589	ng	99
75) Fluoranthene	12.463	202	304658	8.268	ng	98
78) Pyrene	12.692	202	264871	7.381	ng	100
81) Benzo(a)anthracene	13.880	228	114439	3.975	ng	95
83) Chrysene	13.915	228	121798	4.232	ng	99
84) Bis(2-ethylhexyl)phtha...	13.886	149	70942	4.448	ng	99
87) Indeno(1,2,3-cd)pyrene	16.686	276	57186	2.319	ng	94
88) Benzo(b)fluoranthene	14.904	252	148198m	5.374	ng	
90) Benzo(a)pyrene	15.251	252	101601	4.048	ng	97
92) Benzo(g,h,i)perylene	17.098	276	51047	2.514	ng	99

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

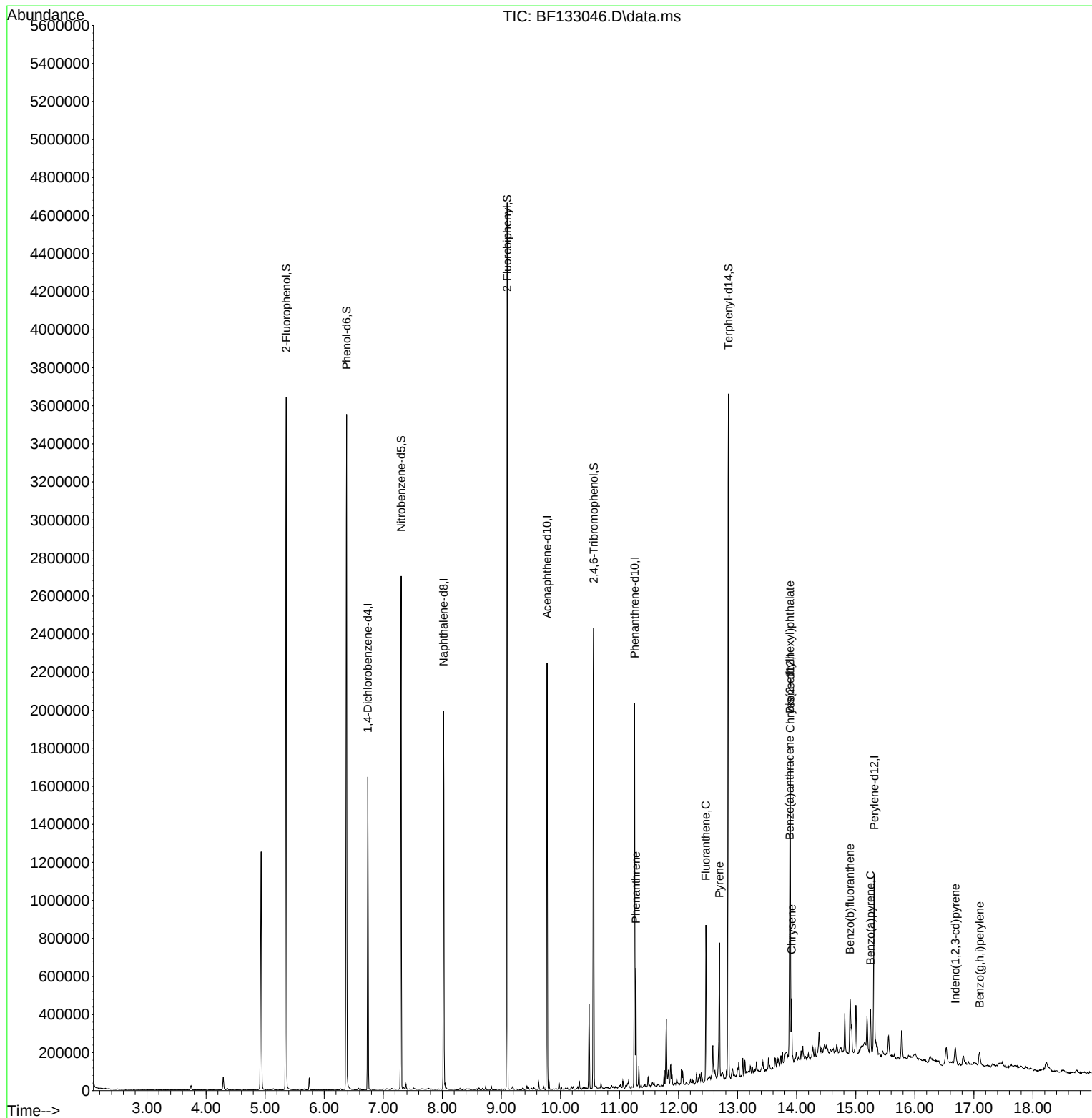
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133046.D
Acq On : 26 Apr 2023 01:03
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ALS Vial : 15 Sample Multiplier: 1

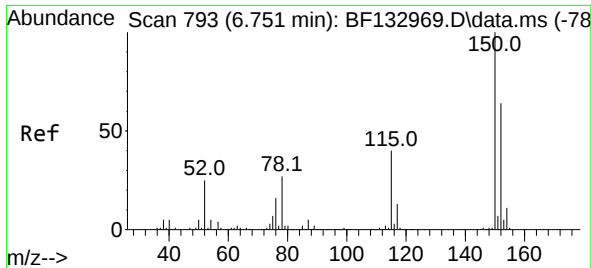
Instrument :
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ClientSampleId :
SB-16-0-2-20230413

Quant Time: Apr 26 02:20:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 18:24:07 2023
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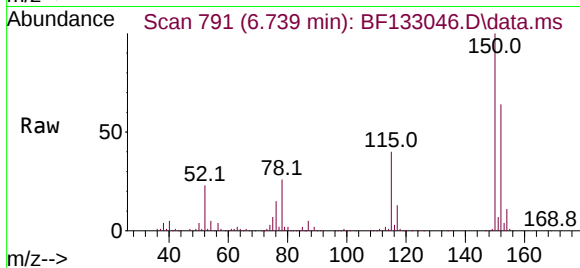
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

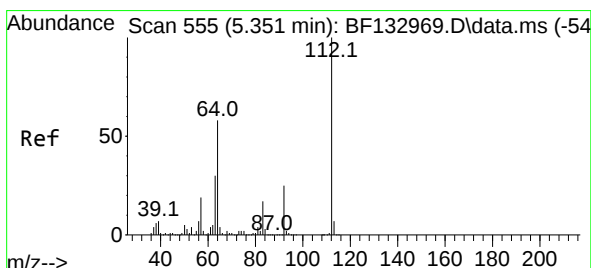
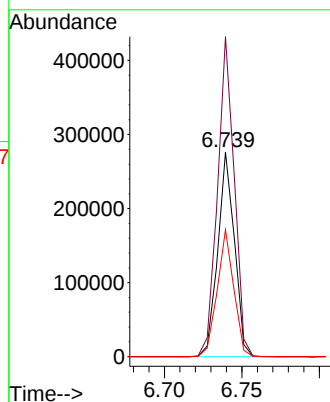
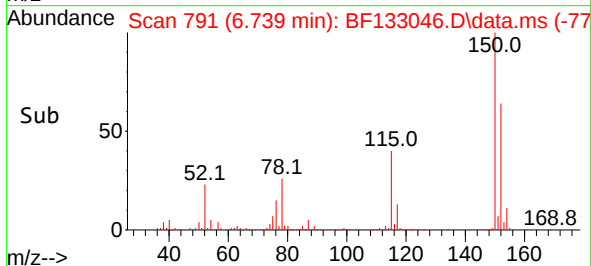
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion:152 Resp: 206120
Ion Ratio Lower Upper
152 100
150 156.3 124.8 187.2
115 62.0 49.9 74.9

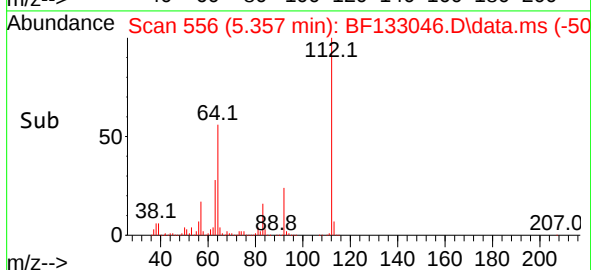
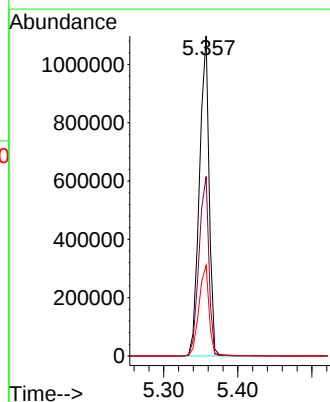
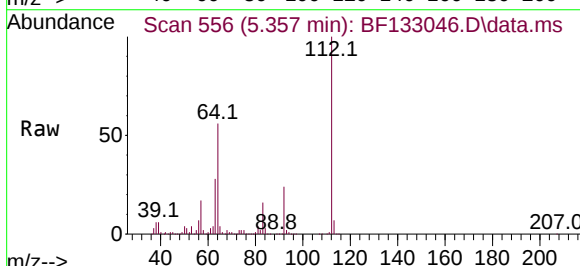
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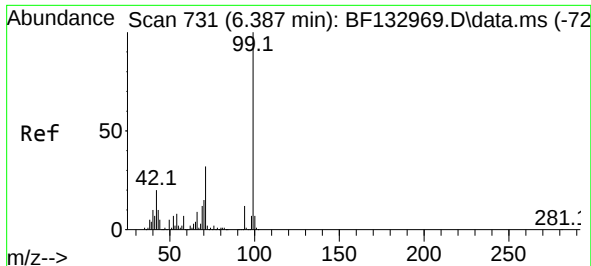
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#5
2-Fluorophenol
Concen: 72.976 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

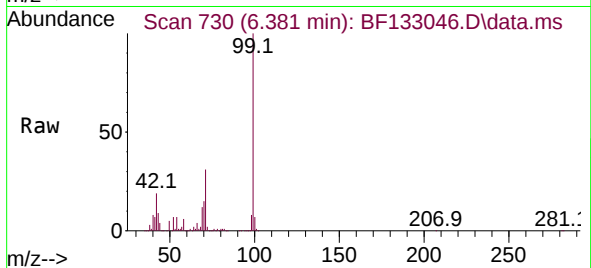
Tgt Ion:112 Resp: 995745
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 28.3 23.8 35.8





#7
Phenol-d6
Concen: 71.130 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

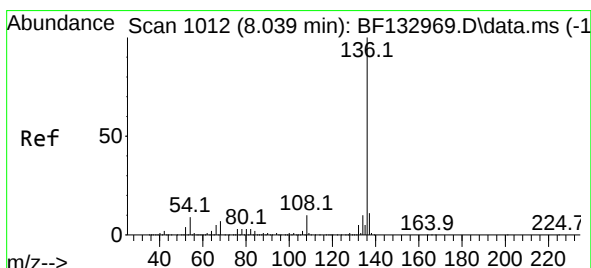
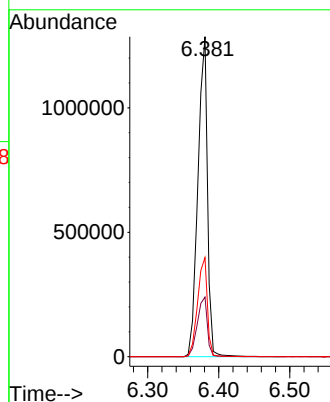
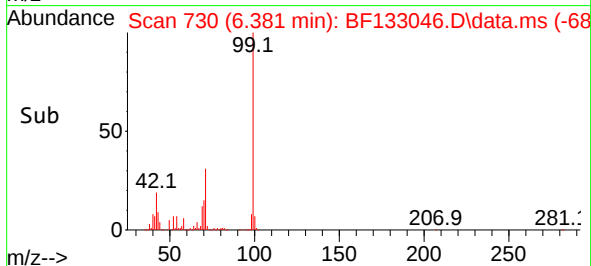
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion: 99 Resp: 1204650
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 31.0 25.6 38.4

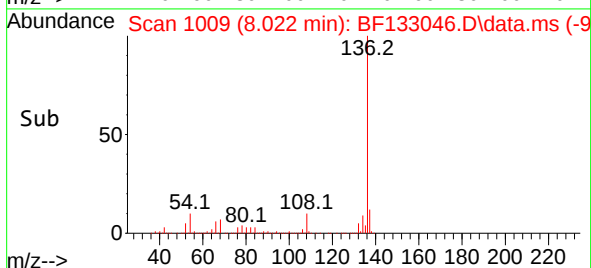
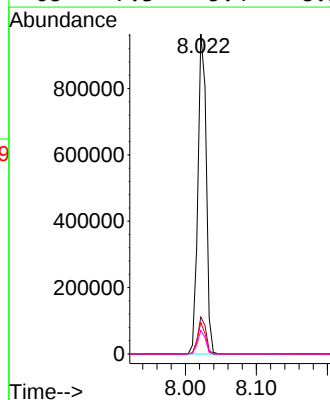
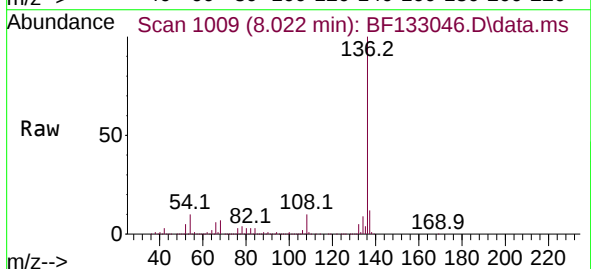
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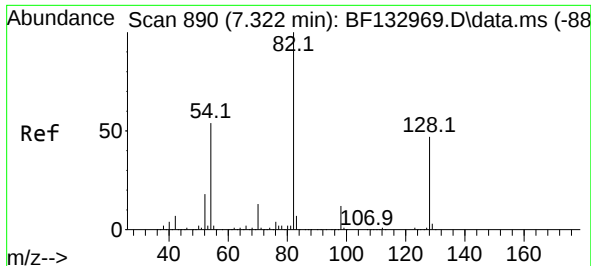
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion:136 Resp: 790968
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.8 7.0 10.4
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 51.246 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

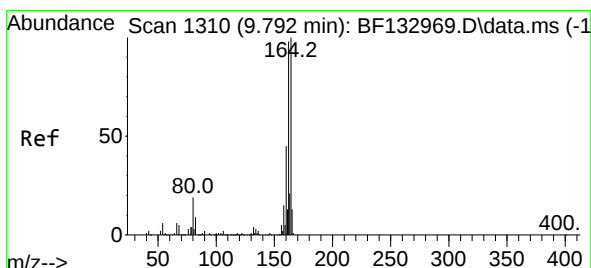
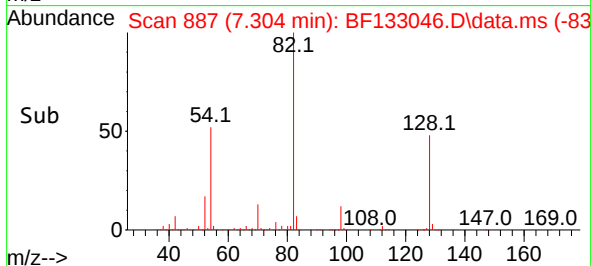
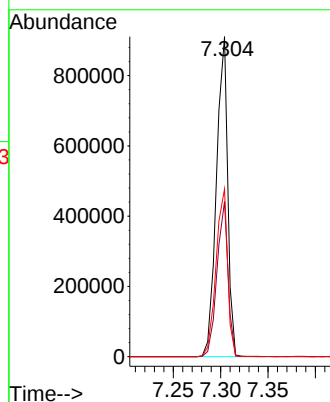
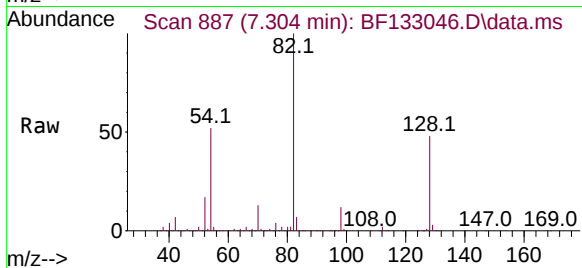
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Tgt Ion: 82 Resp: 75095
 Ion Ratio Lower Upper
 82 100
 128 48.5 37.7 56.5
 54 52.4 43.0 64.4

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 Supervised By :Jagrut Upadhyay 04/26/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

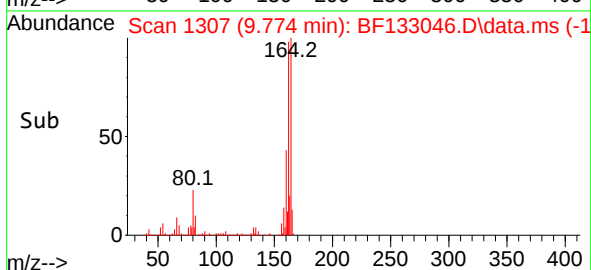
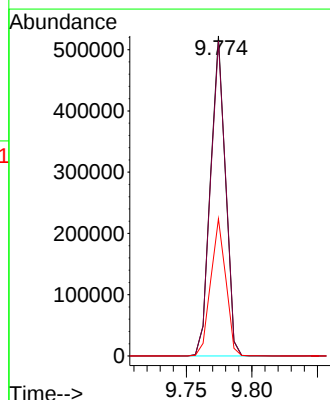
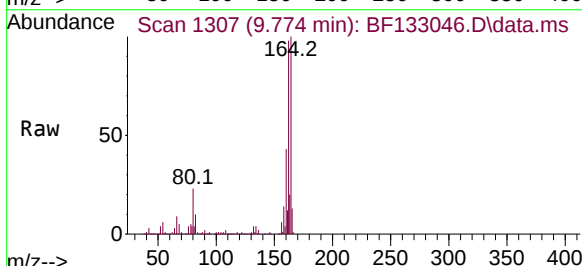
RT: 9.774 min Scan# 1307

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Tgt Ion:164 Resp: 413305
 Ion Ratio Lower Upper
 164 100
 162 98.3 78.7 118.1
 160 42.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 69.426 ng

RT: 10.563 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

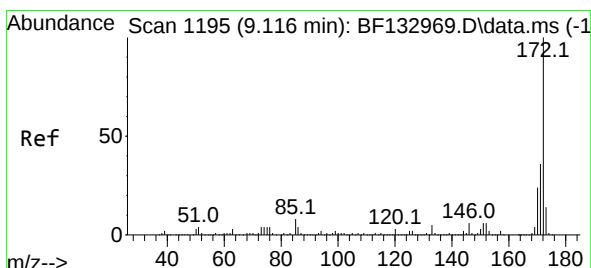
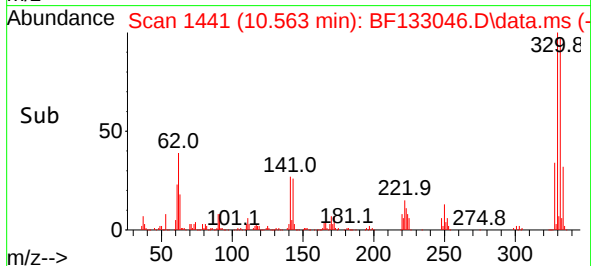
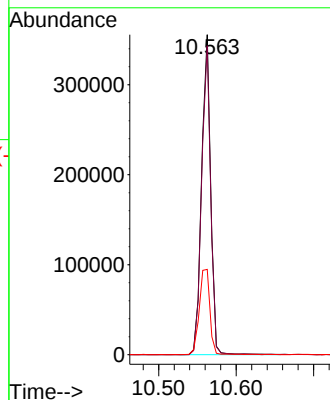
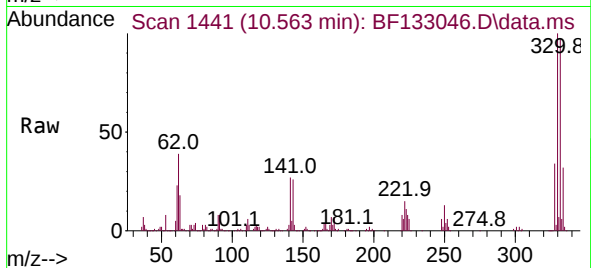
Tgt Ion:	330	Resp:	288574
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.1	115.7
141	31.3	25.8	38.8

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#45

2-Fluorobiphenyl

Concen: 55.254 ng

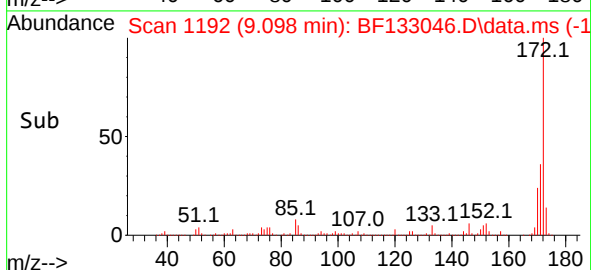
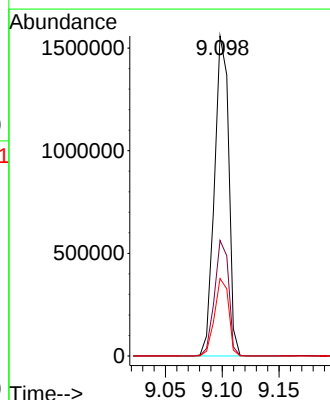
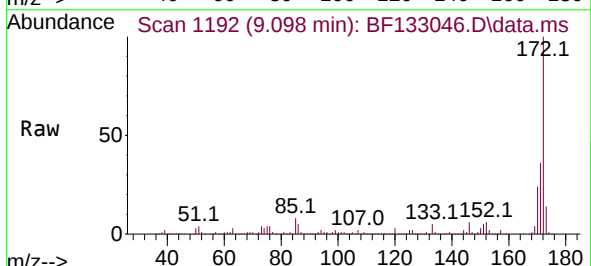
RT: 9.098 min Scan# 1192

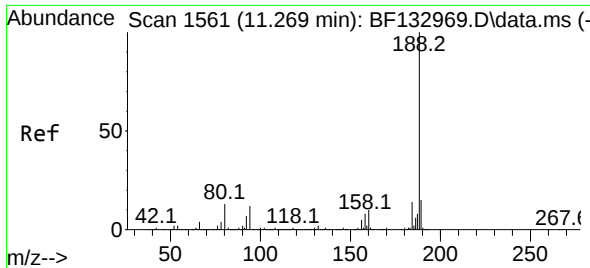
Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Tgt Ion:	172	Resp:	1365026
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.8	43.2
170	24.2	19.4	29.2





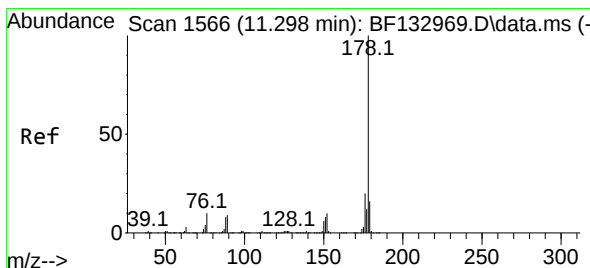
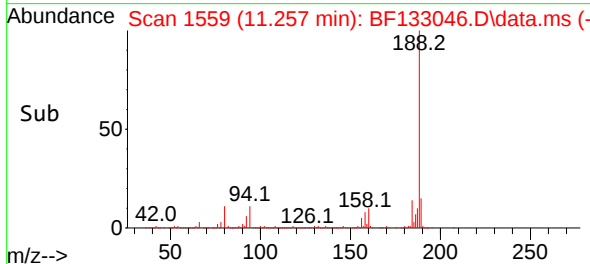
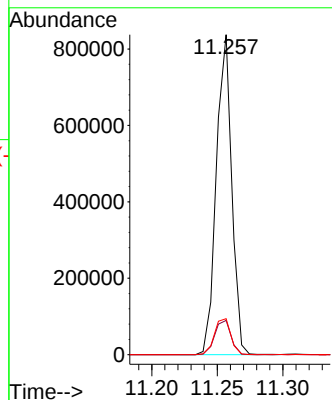
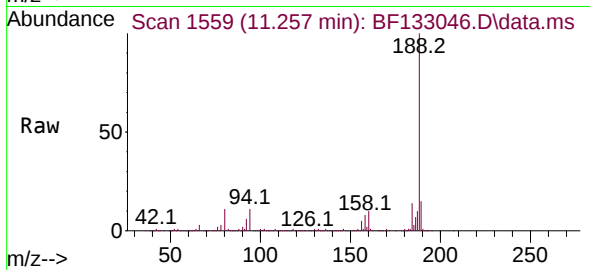
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

Tgt Ion:188 Resp: 683139
Ion Ratio Lower Upper
188 100
94 10.7 9.7 14.5
80 11.3 10.4 15.6

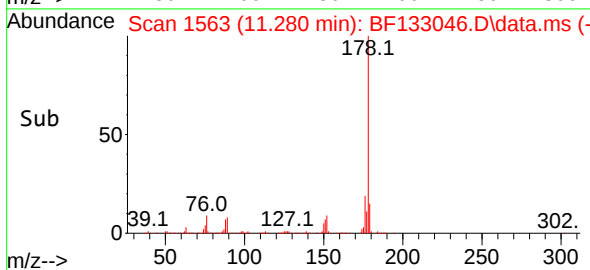
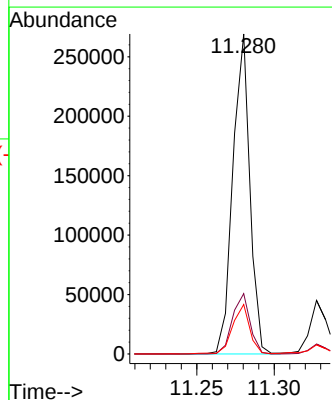
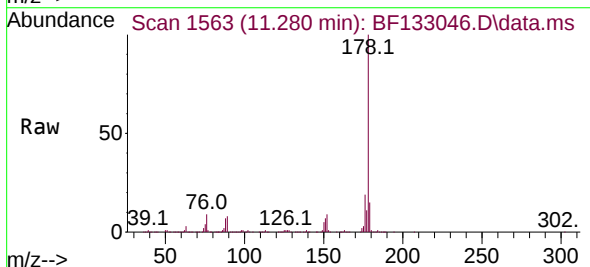
Manual Integrations
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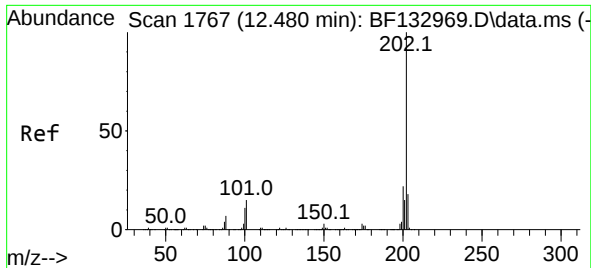
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#71
Phenanthrene
Concen: 5.589 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

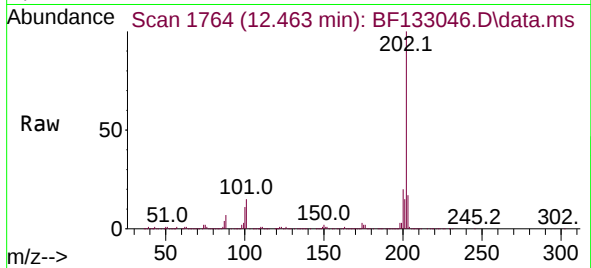
Tgt Ion:178 Resp: 205225
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.4 12.5 18.7





#75
Fluoranthene
Concen: 8.268 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

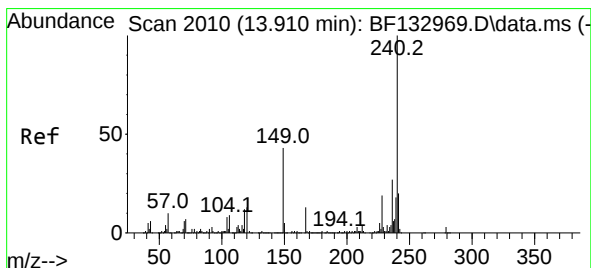
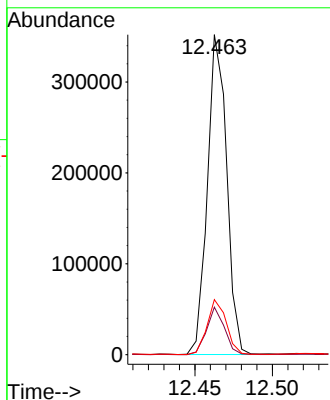
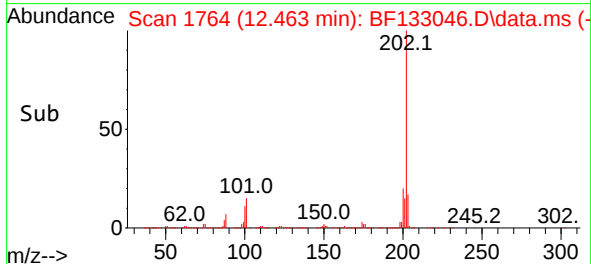
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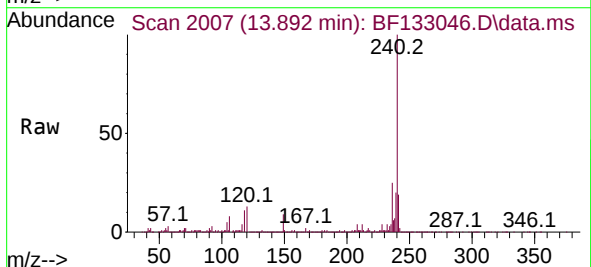
Tgt Ion:202 Resp: 304658
Ion Ratio Lower Upper
202 100
101 14.9 0.0 35.3
203 17.2 0.0 38.1

Manual Integrations
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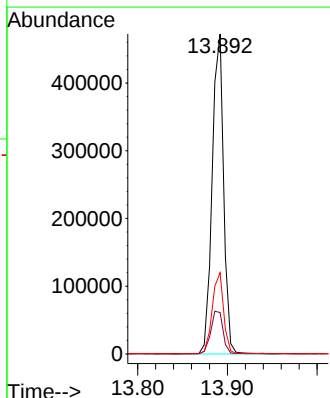
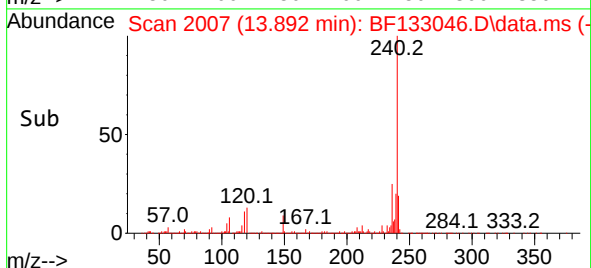
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

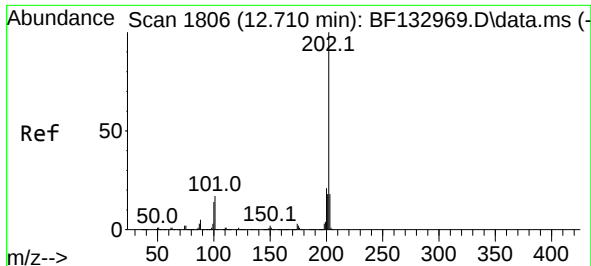


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03



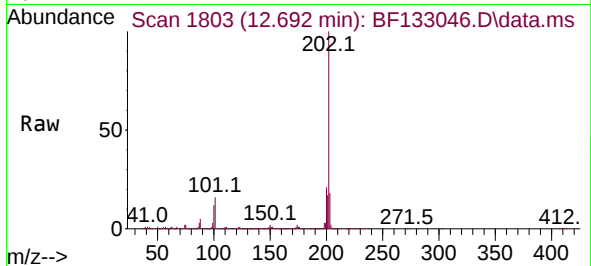
Tgt Ion:240 Resp: 418606
Ion Ratio Lower Upper
240 100
120 13.0 10.5 15.7
236 25.4 21.5 32.3





#78
Pyrene
Concen: 7.381 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

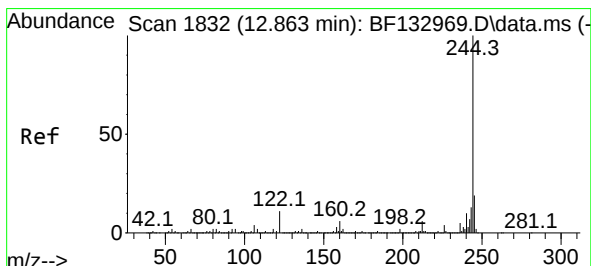
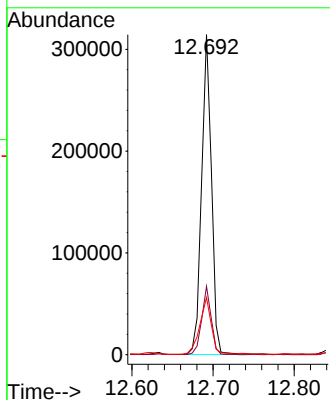
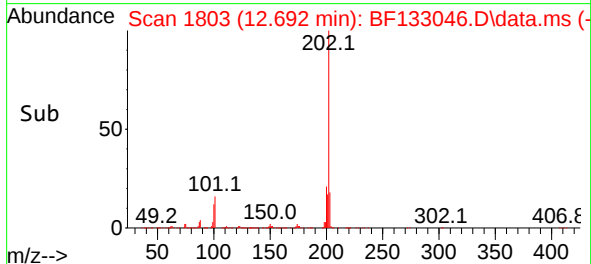
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



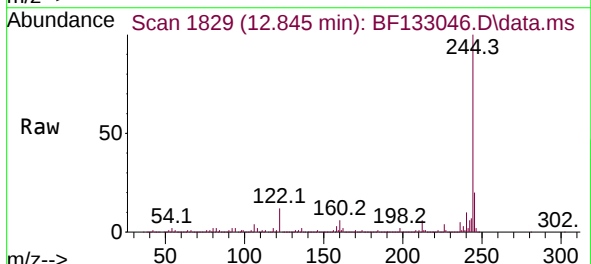
Tgt Ion:202 Resp: 26487
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.9 14.1 21.1

Manual Integrations
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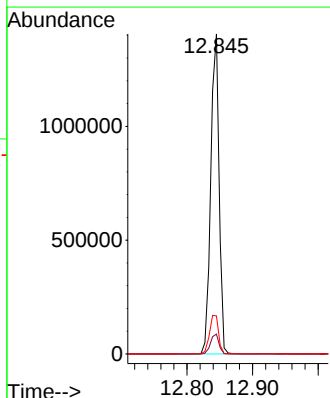
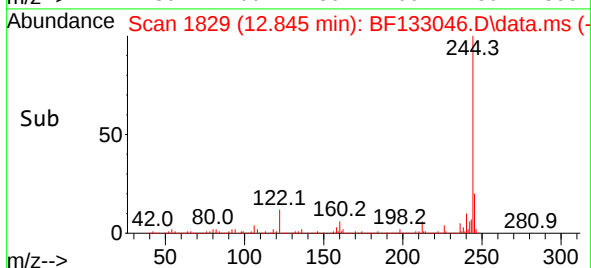
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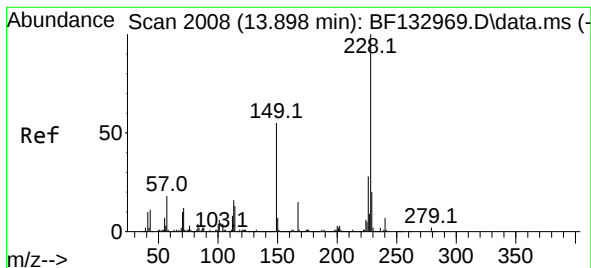


#79
Terphenyl-d14
Concen: 51.297 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03



Tgt Ion:244 Resp: 1245065
Ion Ratio Lower Upper
244 100
212 6.2 5.1 7.7
122 11.9 8.6 13.0





#81

Benzo(a)anthracene

Concen: 3.975 ng

RT: 13.880 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

Tgt Ion:228 Resp: 114439

Ion Ratio Lower Upper

228 100

226 32.0 22.2 33.4

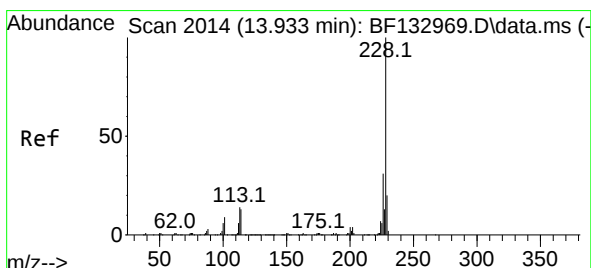
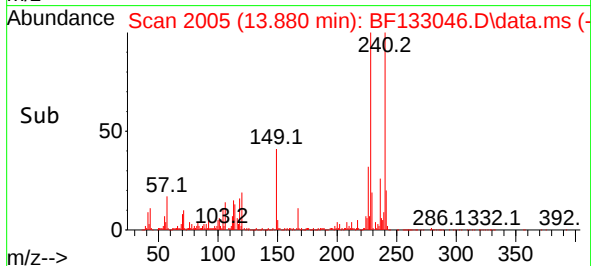
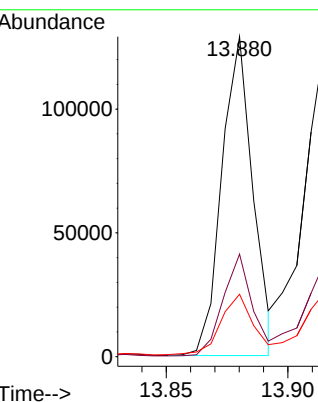
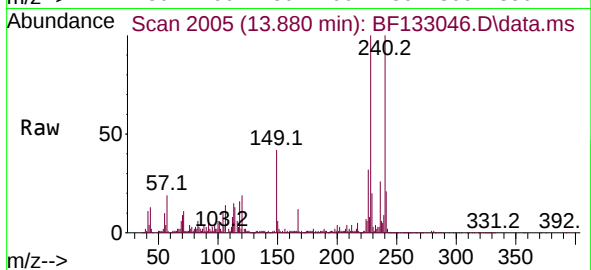
229 19.5 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#83

Chrysene

Concen: 4.232 ng

RT: 13.915 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

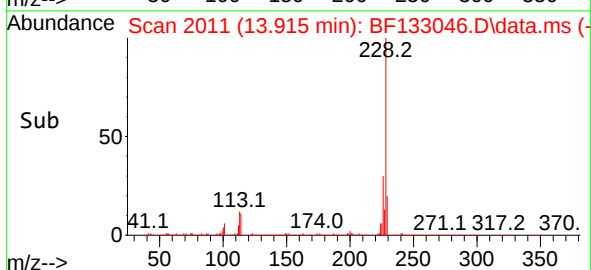
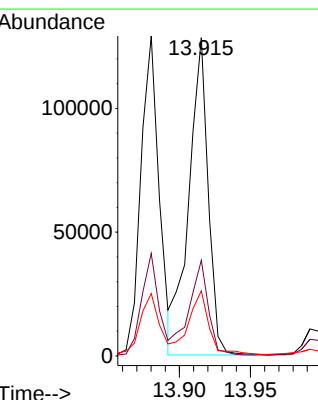
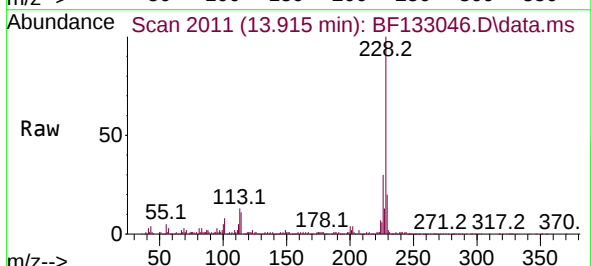
Tgt Ion:228 Resp: 121798

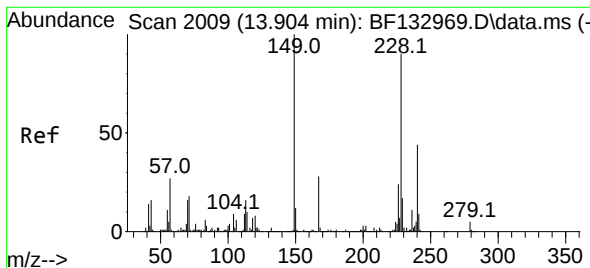
Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 20.5 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.448 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

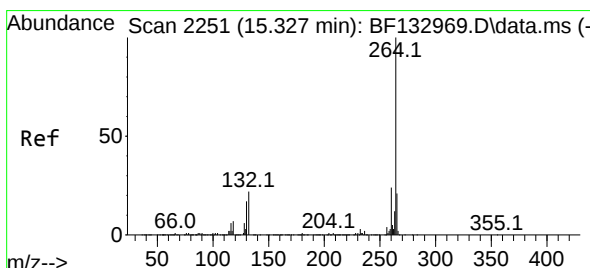
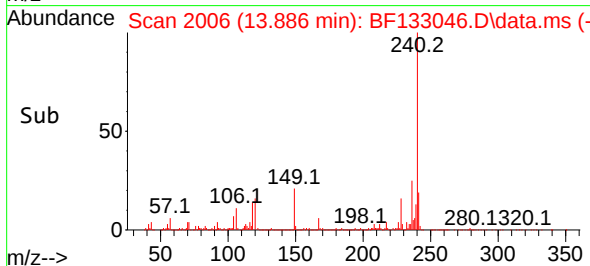
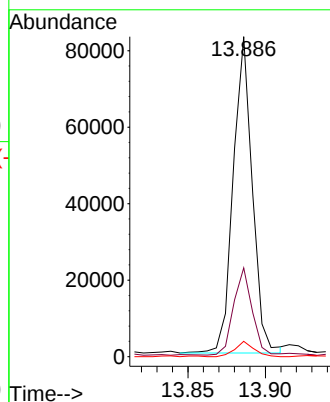
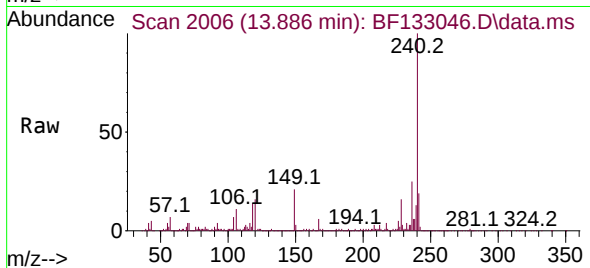
Tgt Ion:	149	Resp:	7094
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.5	33.7
279	4.8	4.2	6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#86

Perylene-d12

Concen: 20.000 ng

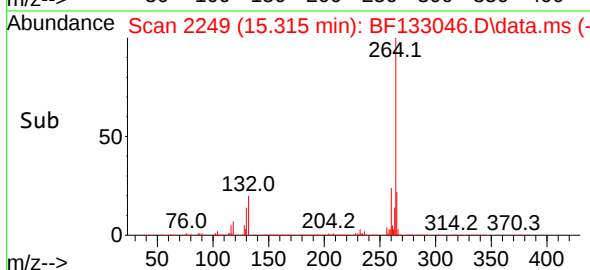
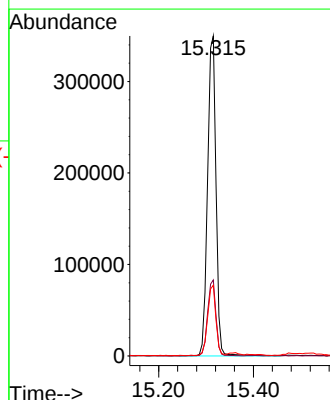
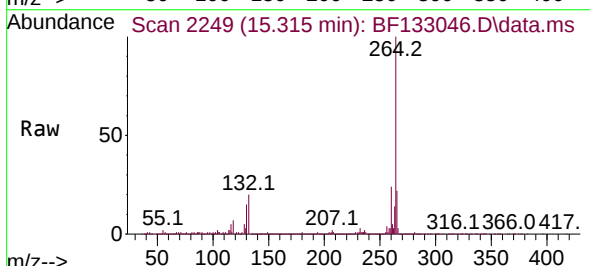
RT: 15.315 min Scan# 2249

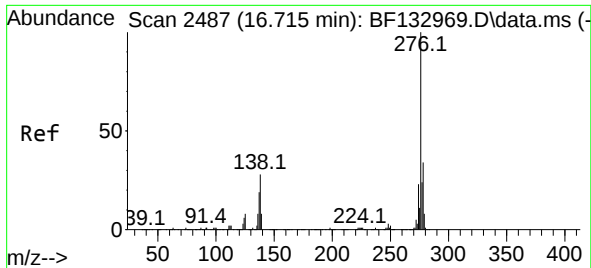
Delta R.T. 0.000 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

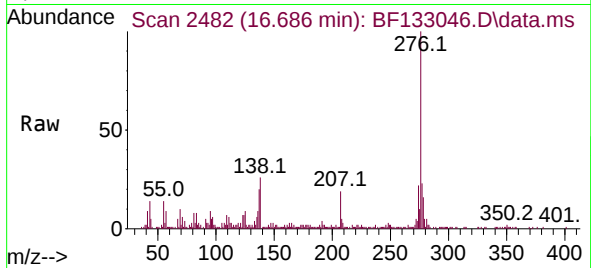
Tgt Ion:	264	Resp:	433468
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	22.1	17.0	25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.319 ng
RT: 16.686 min Scan# 2487
Delta R.T. -0.018 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

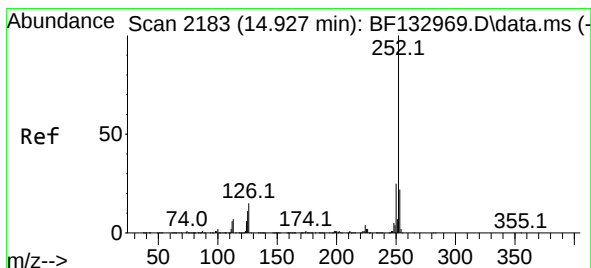
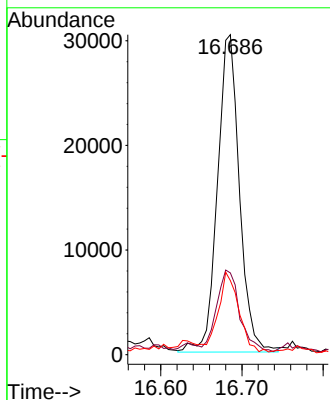
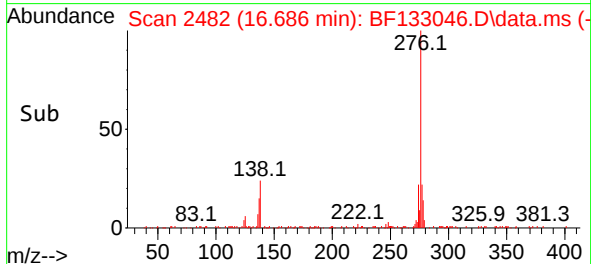
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



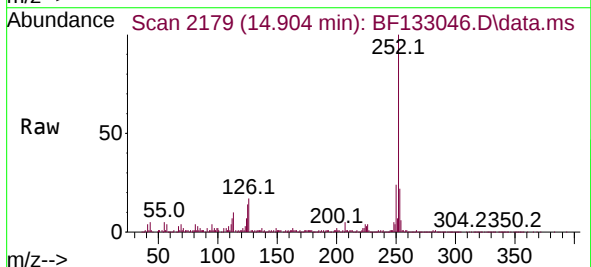
Tgt Ion:276 Resp: 57186
Ion Ratio Lower Upper
276 100
138 26.8 25.5 38.3
277 24.7 20.4 30.6

Manual Integrations
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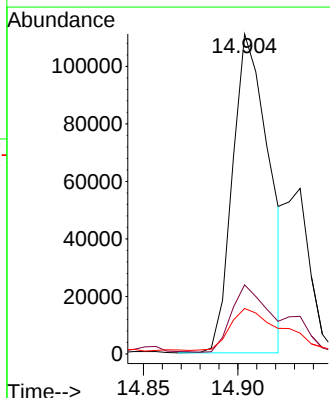
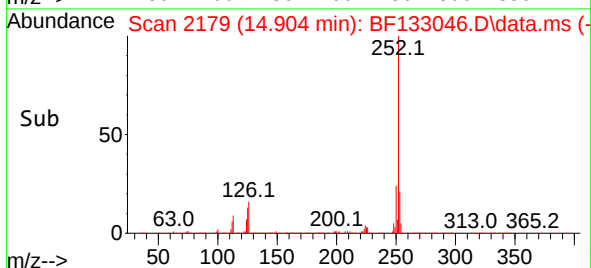
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

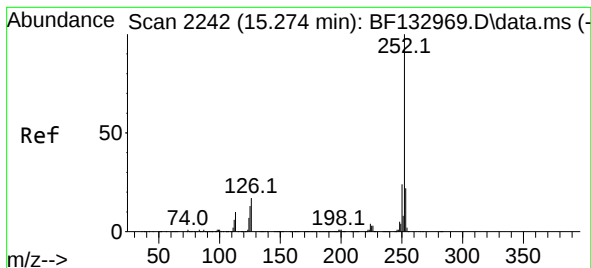


#88
Benzo(b)fluoranthene
Concen: 5.374 ng m
RT: 14.904 min Scan# 2179
Delta R.T. -0.012 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03



Tgt Ion:252 Resp: 148198
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 14.2 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 4.048 ng

RT: 15.251 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

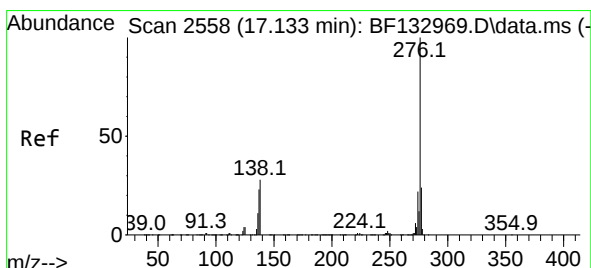
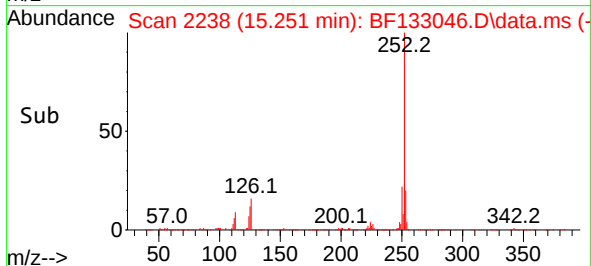
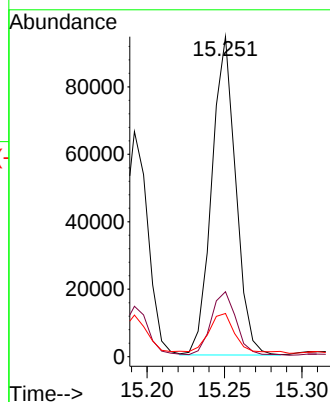
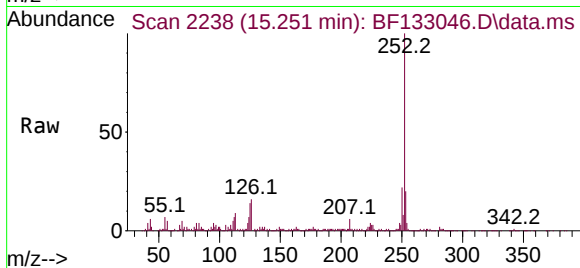
Tgt Ion:	252	Resp:	10160
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.7	26.5
125	13.5	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#92

Benzo(g,h,i)perylene

Concen: 2.514 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.024 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Tgt Ion:	276	Resp:	51047
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.0
138	28.3	22.7	34.1

