

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133013.D
 Acq On : 25 Apr 2023 00:25
 Operator : CG\JU
 Sample : 02467-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 279

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/25/2023
 Supervised By : Jagrut Upadhyay 04/25/2023

Quant Time: Apr 25 02:16:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	207155	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	824356	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	417612	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	735657	20.000	ng	0.00
76) Chrysene-d12	13.898	240	444407	20.000	ng	-0.01
86) Perylene-d12	15.321	264	457403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	714691	52.117	ng	0.00
7) Phenol-d6	6.381	99	910885	53.515	ng	0.00
23) Nitrobenzene-d5	7.304	82	537271	35.179	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	204544	48.702	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	974900	39.056	ng	-0.01
79) Terphenyl-d14	12.851	244	981116	38.075	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.286	178	160409	4.057	ng	99
75) Fluoranthene	12.468	202	353992	8.921	ng	100
78) Pyrene	12.698	202	318912	8.371	ng	100
81) Benzo(a)anthracene	13.886	228	112752	3.689	ng	95
83) Chrysene	13.921	228	148146m	4.849	ng	
84) Bis(2-ethylhexyl)phtha...	13.892	149	42624	2.518	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.698	276	82900	3.186	ng	94
88) Benzo(b)fluoranthene	14.915	252	202533m	6.960	ng	
90) Benzo(a)pyrene	15.256	252	111121	4.195	ng	# 97
92) Benzo(g,h,i)perylene	17.109	276	74787	3.491	ng	98

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

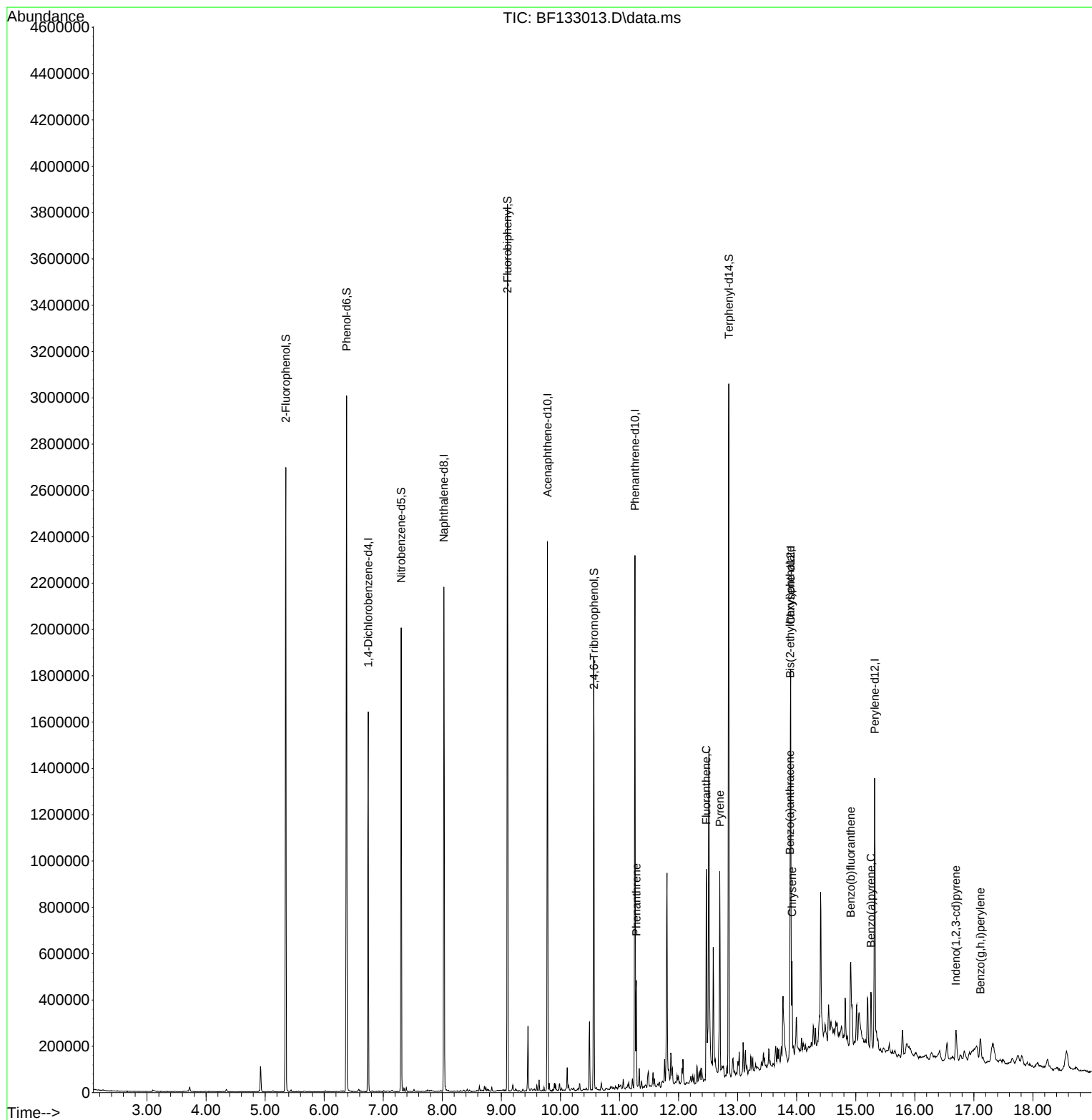
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
Data File : BF133013.D
Acq On : 25 Apr 2023 00:25
Operator : CG\JU
Sample : 02467-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

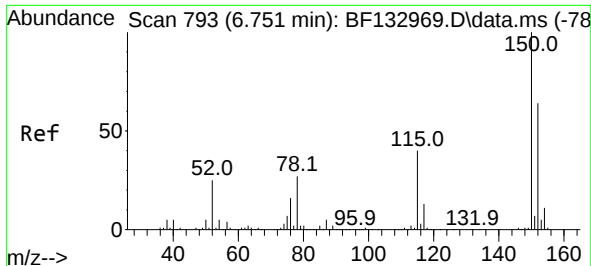
Instrument :
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ClientSampleId :
279

Quant Time: Apr 25 02:16:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 22 03:30:56 2023
Response via : Initial Calibration

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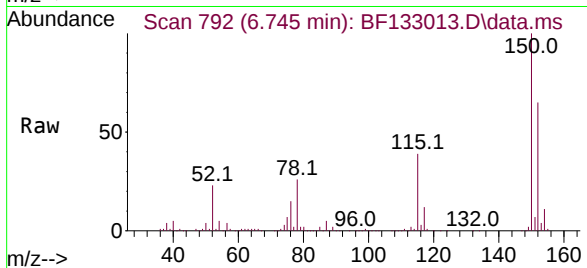
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133013.D
 Acq: 25 Apr 2023 00:25

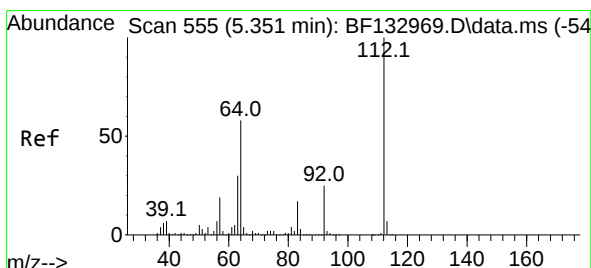
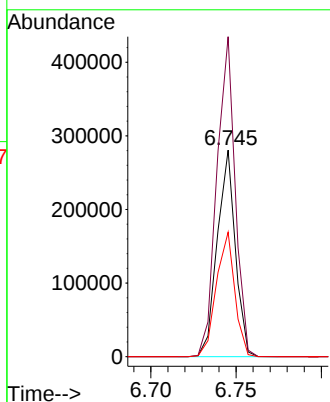
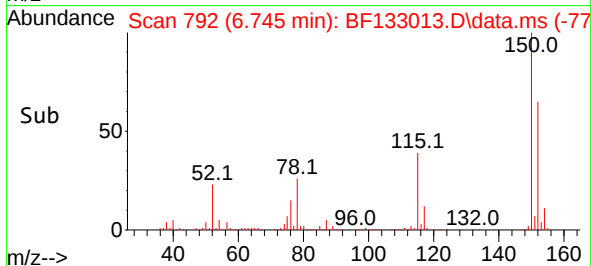
Instrument :
 BNA_F
 ClientSampleId :
 279



Tgt Ion:152 Resp: 207158
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.8 187.2
 115 60.3 49.9 74.9

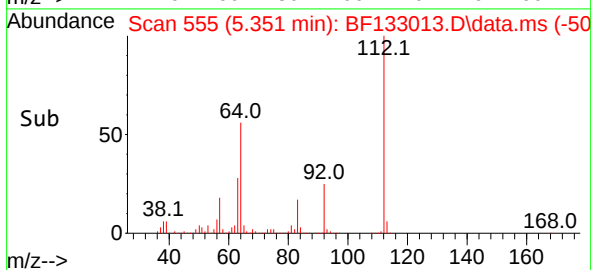
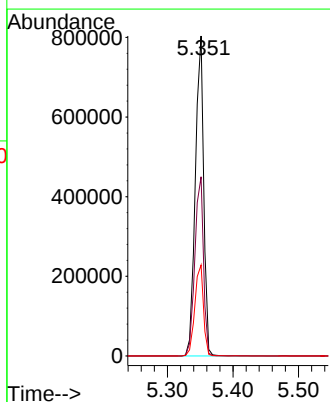
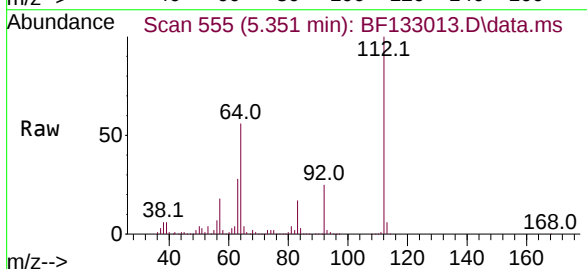
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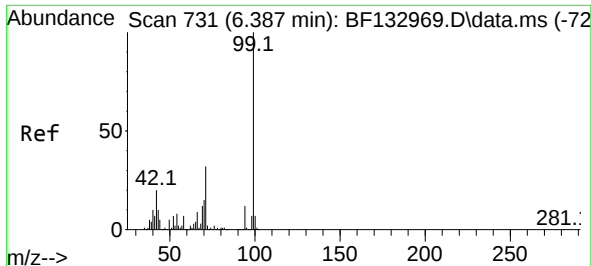
Reviewed By :Christian Giraldo 04/25/2023
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#5
 2-Fluorophenol
 Concen: 52.117 ng
 RT: 5.351 min Scan# 555
 Delta R.T. -0.000 min
 Lab File: BF133013.D
 Acq: 25 Apr 2023 00:25

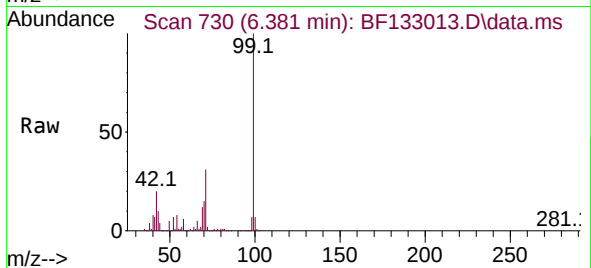
Tgt Ion:112 Resp: 714691
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.8 70.2
 63 28.4 23.8 35.8





#7
Phenol-d6
Concen: 53.515 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

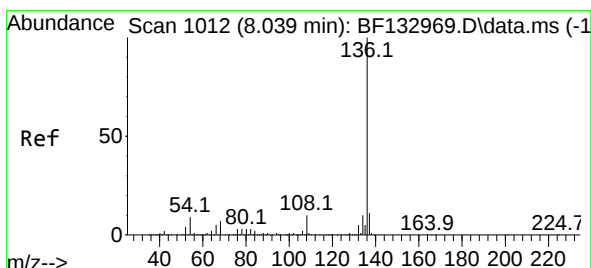
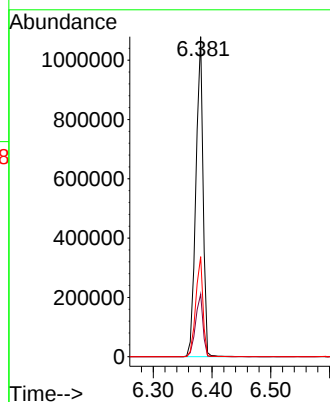
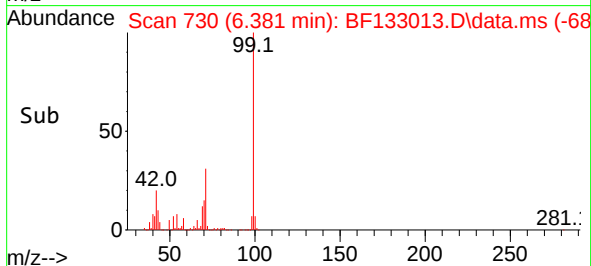
Instrument :
BNA_F
ClientSampleId :
279



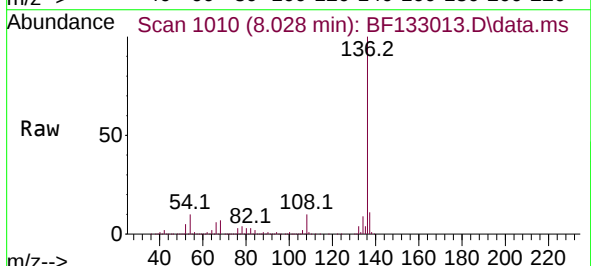
Tgt Ion: 99 Resp: 910885
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 31.3 25.6 38.4

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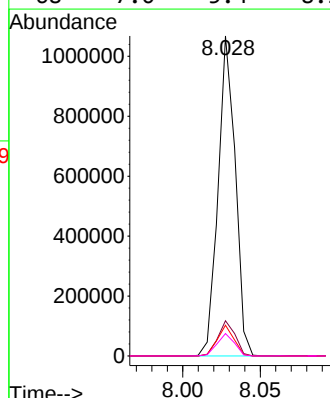
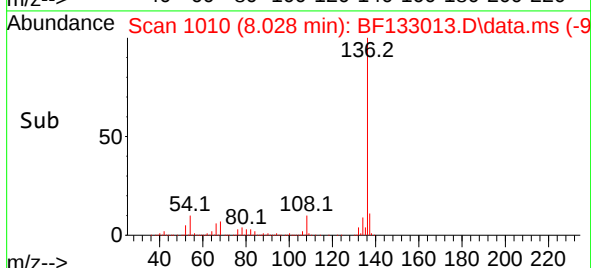
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

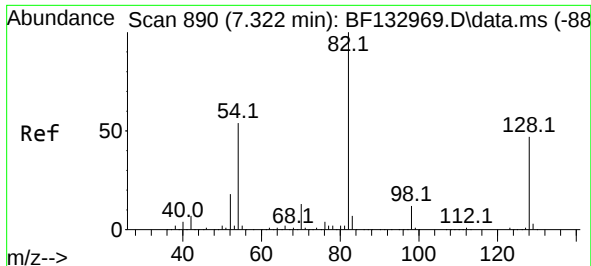


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25



Tgt Ion:136 Resp: 824356
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.0 10.4
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 35.179 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

Tgt Ion: 82 Resp: 53727

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

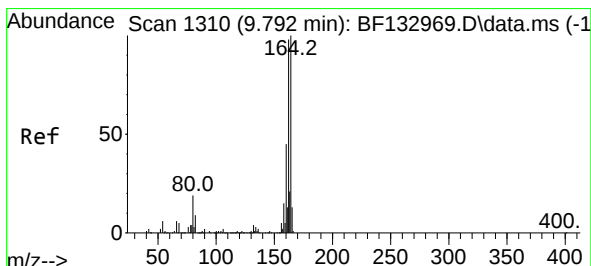
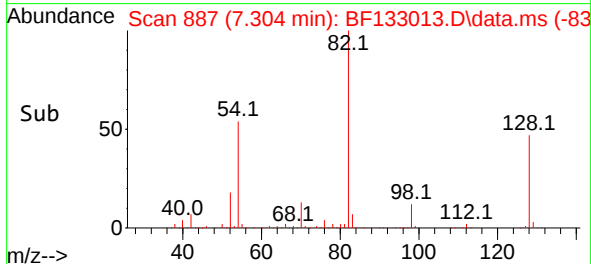
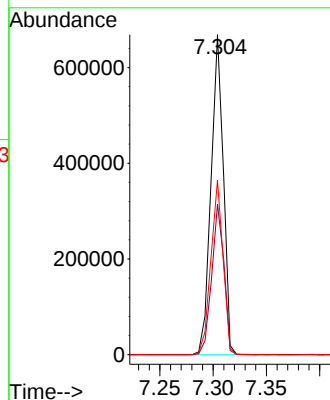
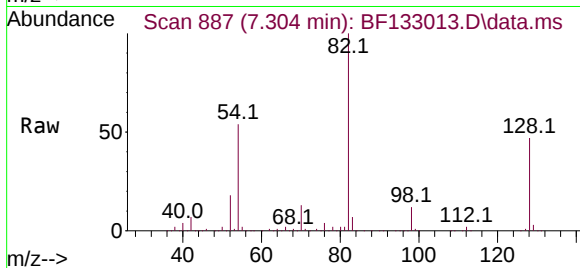
54 54.5 43.0 64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

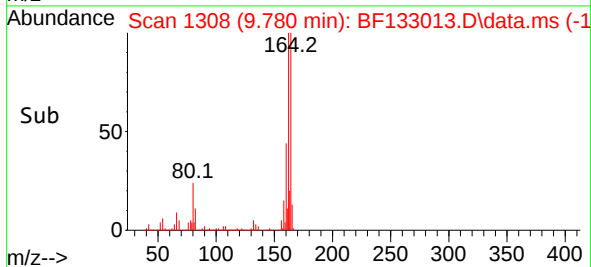
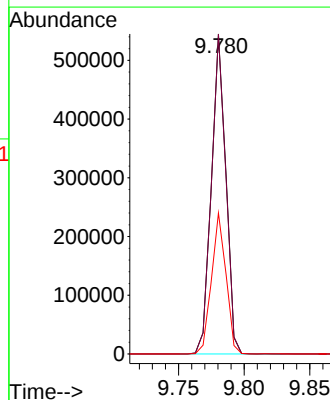
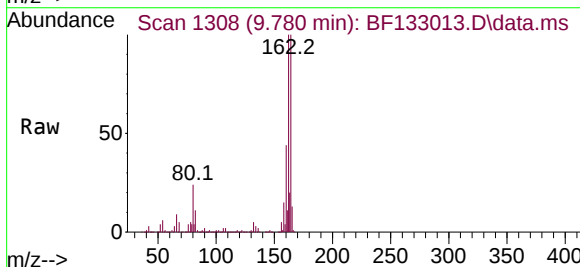
Tgt Ion:164 Resp: 417612

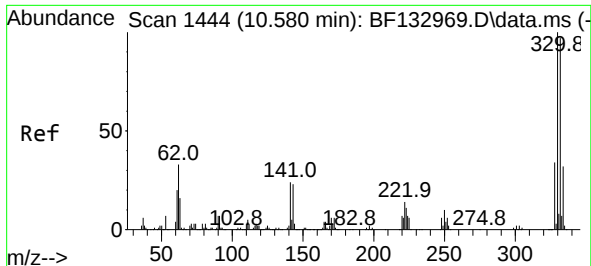
Ion Ratio Lower Upper

164 100

162 99.8 78.7 118.1

160 44.0 35.8 53.6





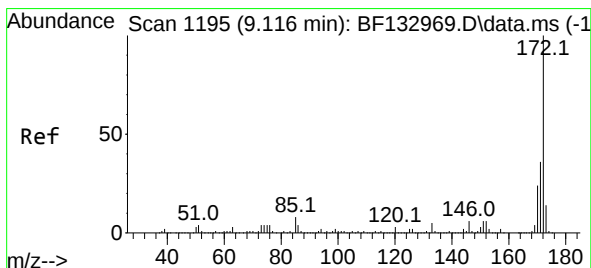
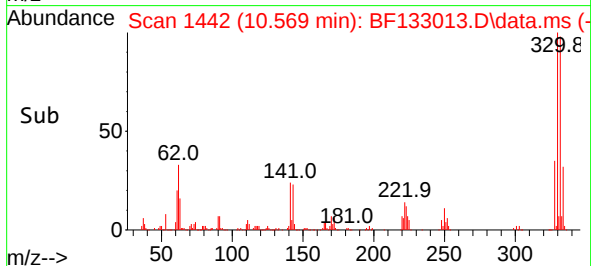
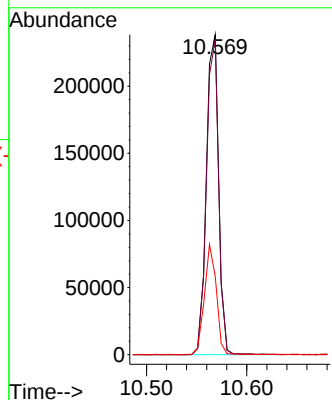
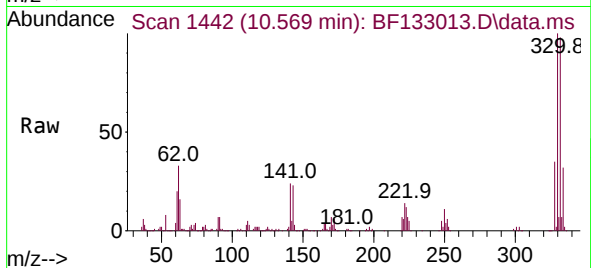
#42
2,4,6-Tribromophenol
Concen: 48.702 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion: 330 Resp: 204544
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 33.4 25.8 38.8

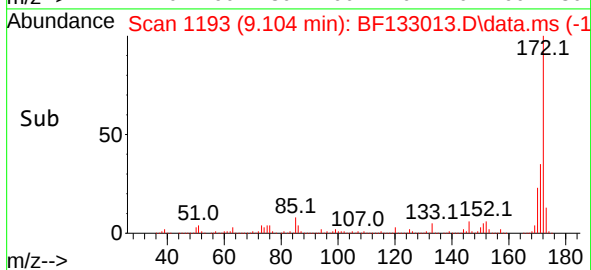
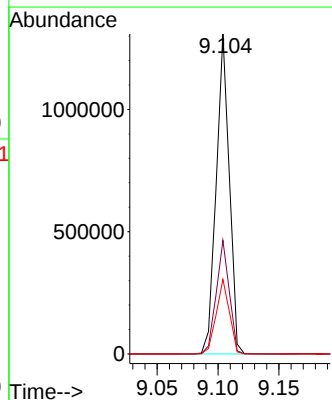
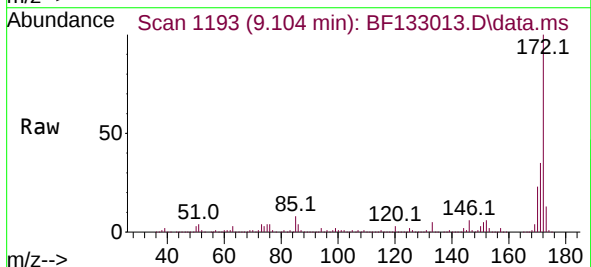
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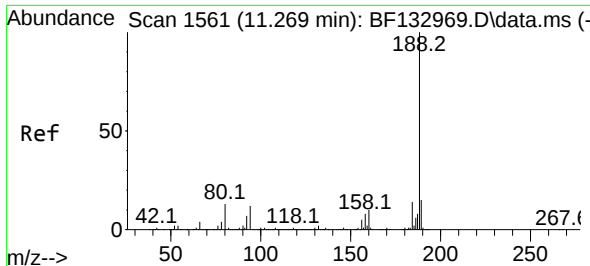
Reviewed By : Christian Giraldo 04/25/2023
Supervised By : Jagrut Upadhyay 04/25/2023



#45
2-Fluorobiphenyl
Concen: 39.056 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion: 172 Resp: 974900
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.3 19.4 29.2





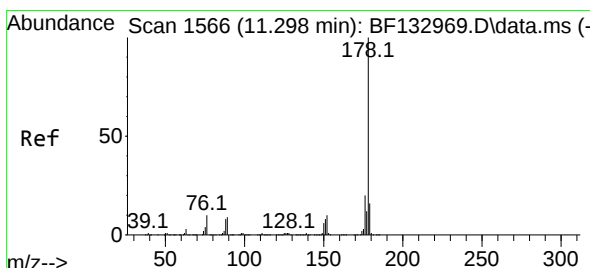
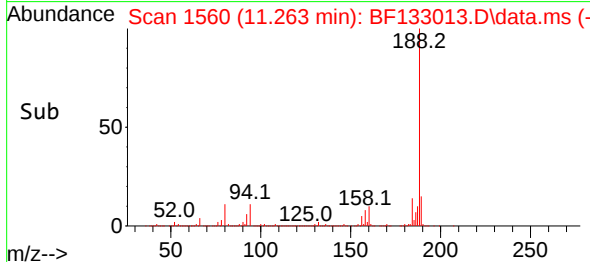
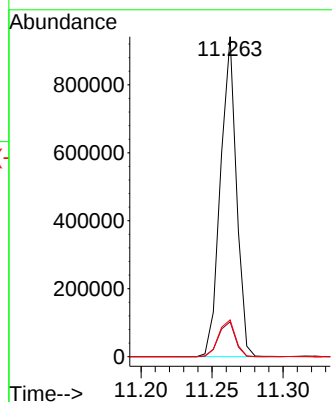
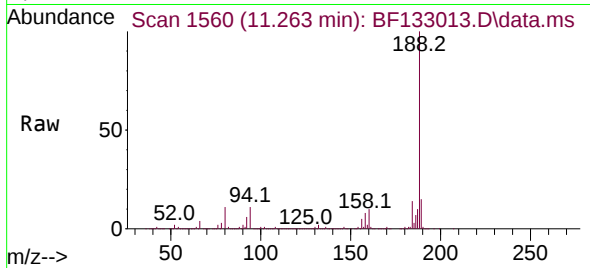
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion:188 Resp: 73565
Ion Ratio Lower Upper
188 100
94 10.9 9.7 14.5
80 11.5 10.4 15.6

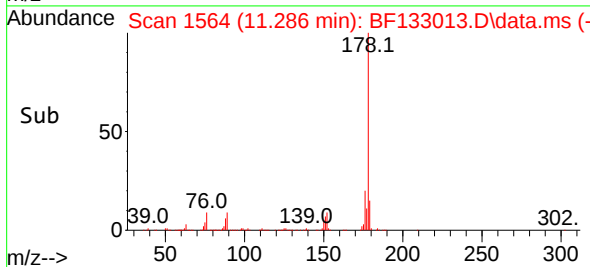
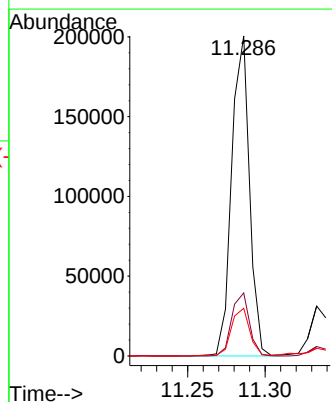
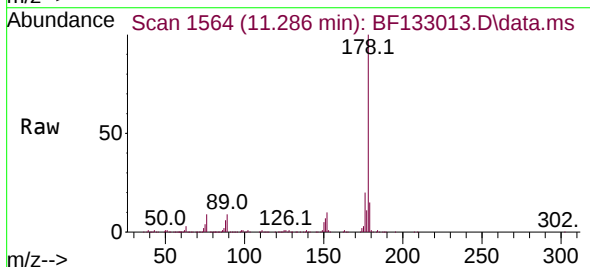
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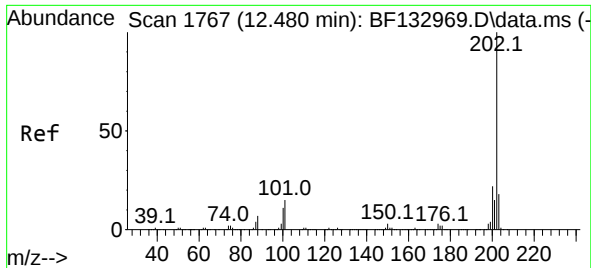
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#71
Phenanthrene
Concen: 4.057 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

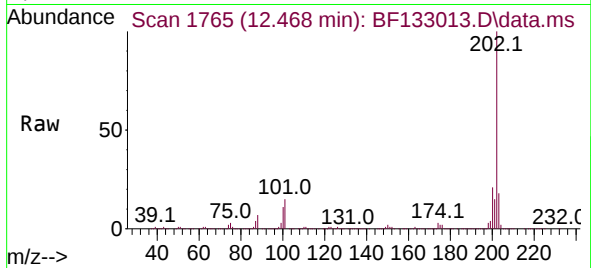
Tgt Ion:178 Resp: 160409
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 14.9 12.5 18.7





#75
Fluoranthene
Concen: 8.921 ng
RT: 12.468 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

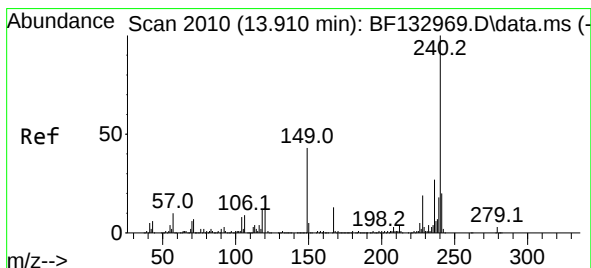
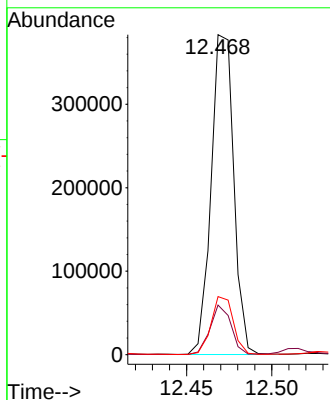
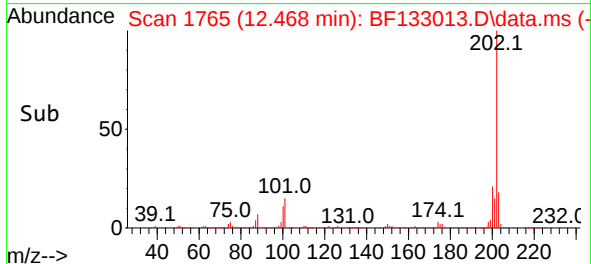
Instrument :
BNA_F
ClientSampleId :
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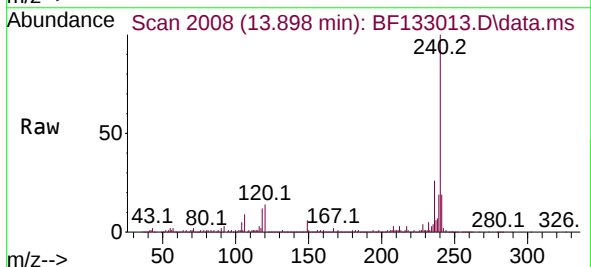
Tgt Ion:202 Resp: 353992
Ion Ratio Lower Upper
202 100
101 15.5 0.0 35.3
203 18.1 0.0 38.1

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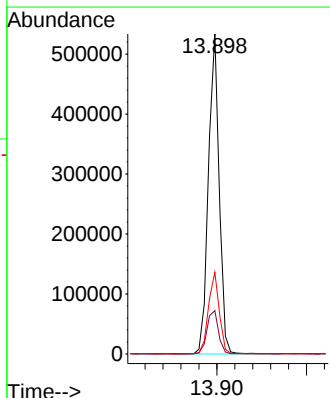
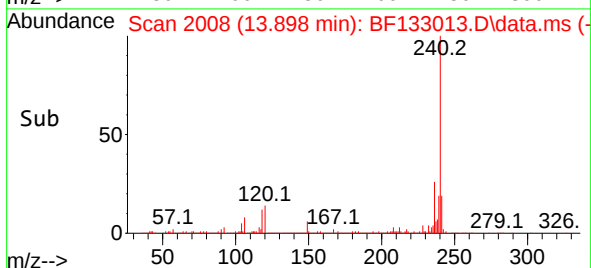
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

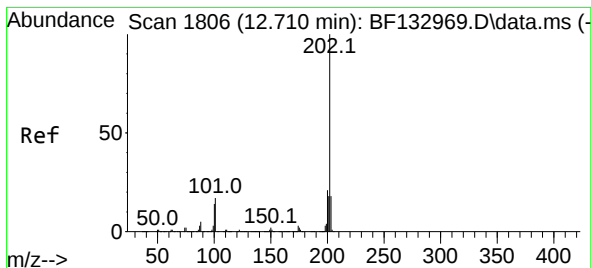


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25



Tgt Ion:240 Resp: 444407
Ion Ratio Lower Upper
240 100
120 13.6 10.5 15.7
236 25.6 21.5 32.3





#78

Pyrene

Concen: 8.371 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

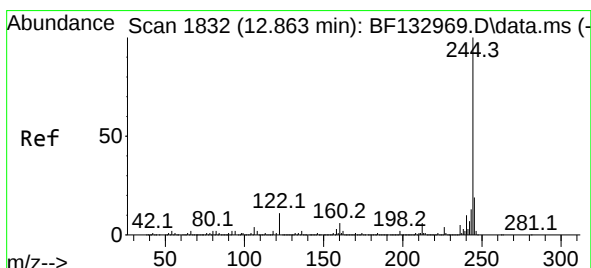
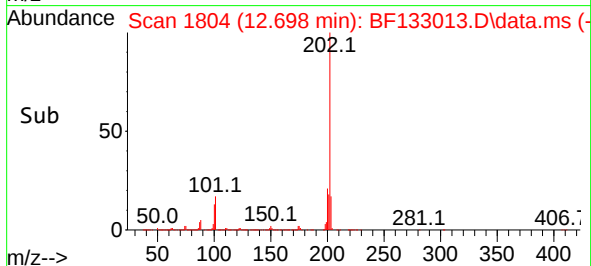
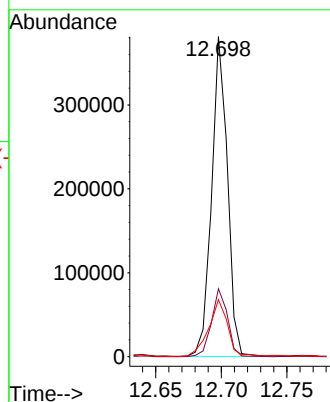
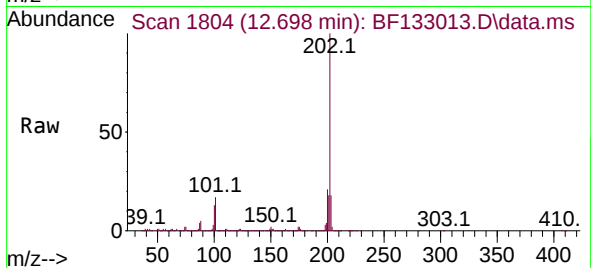
279

Tgt Ion:202 Resp: 318912
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.1 25.7
 203 17.8 14.1 21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 38.075 ng

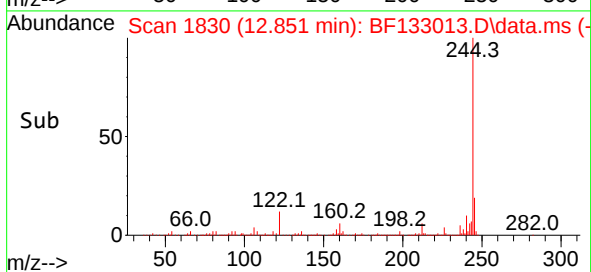
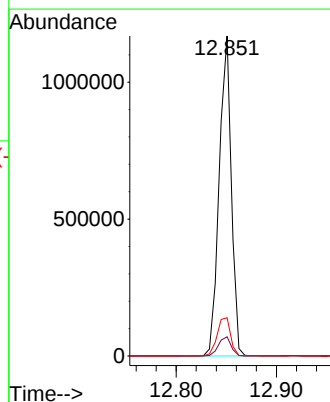
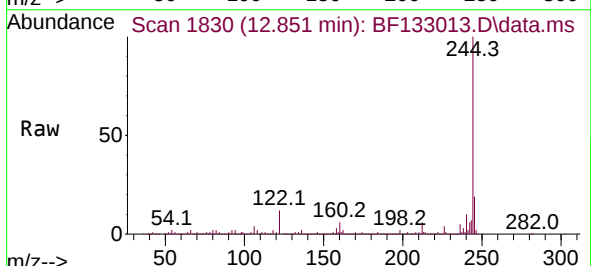
RT: 12.851 min Scan# 1830

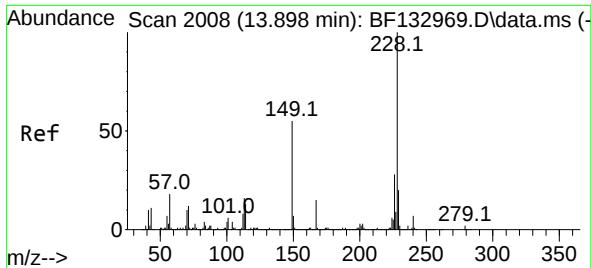
Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

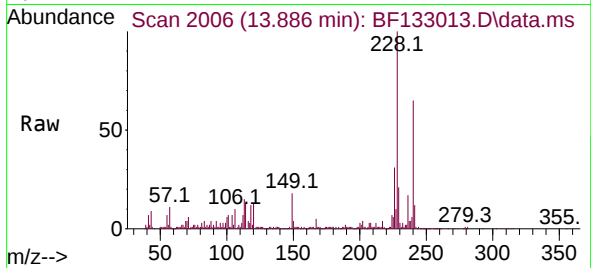
Tgt Ion:244 Resp: 981116
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 11.9 8.6 13.0





#81
Benzo(a)anthracene
Concen: 3.689 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

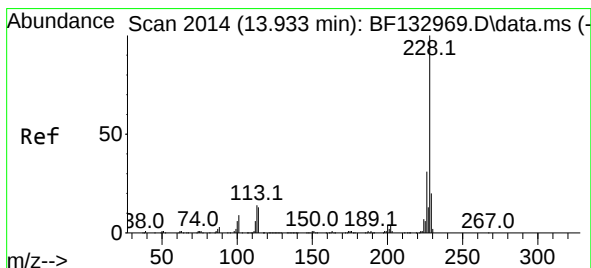
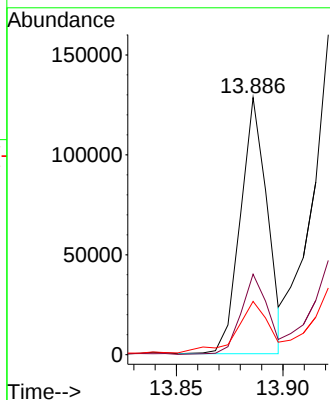
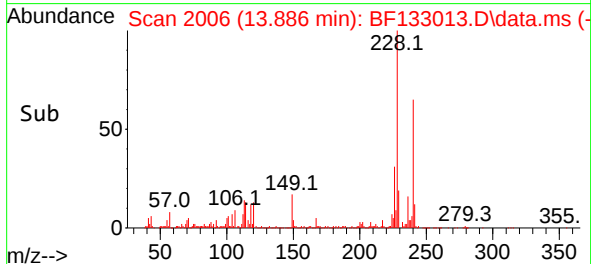
Instrument :
BNA_F
ClientSampleId :
279



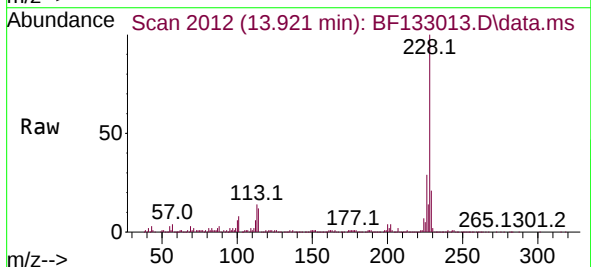
Tgt Ion:228 Resp: 112752
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 20.7 16.0 24.0

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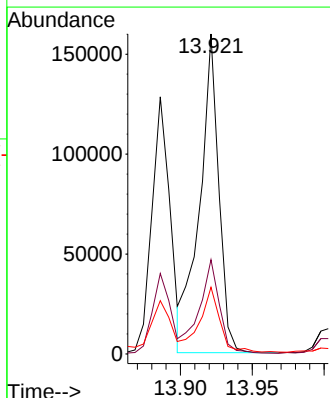
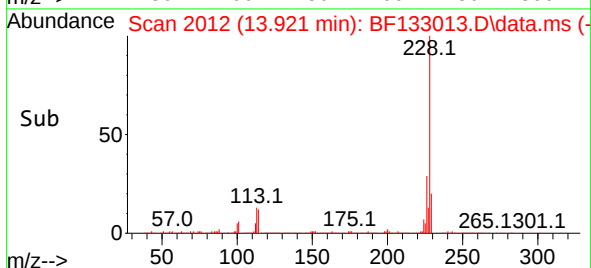
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

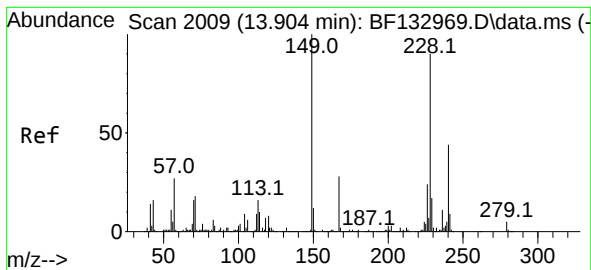


#83
Chrysene
Concen: 4.849 ng m
RT: 13.921 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25



Tgt Ion:228 Resp: 148146
Ion Ratio Lower Upper
228 100
226 29.5 24.7 37.1
229 20.9 16.1 24.1





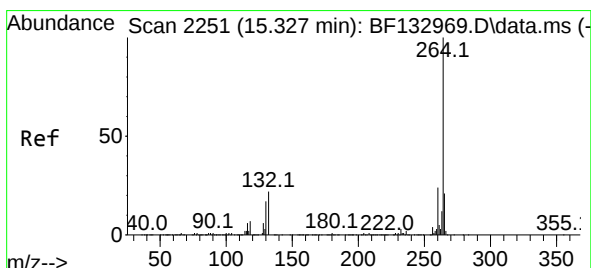
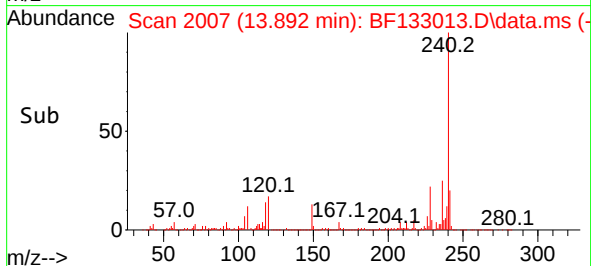
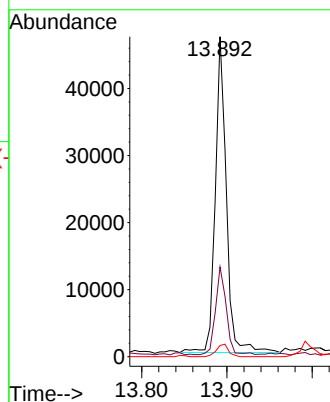
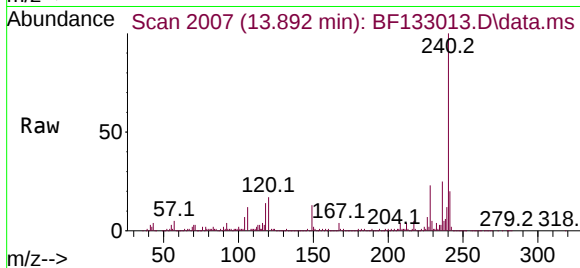
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.518 ng
RT: 13.892 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion:149 Resp: 42624
Ion Ratio Lower Upper
149 100
167 28.1 22.5 33.7
279 3.5 4.2 6.4

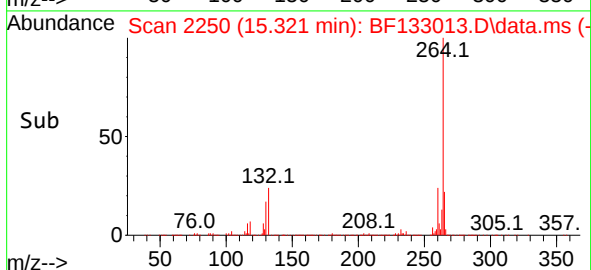
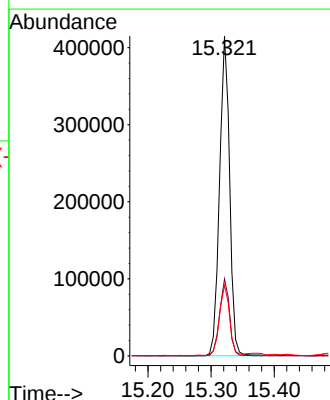
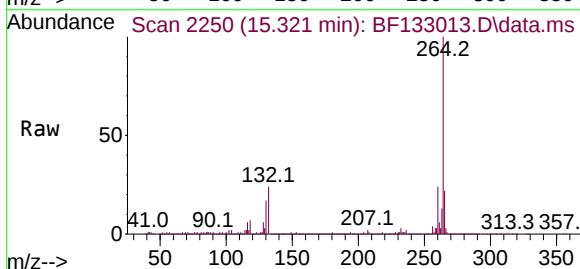
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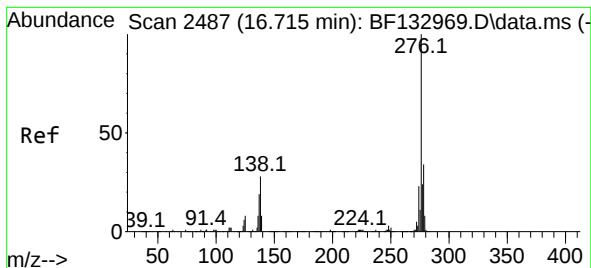
Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.321 min Scan# 2250
Delta R.T. -0.006 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion:264 Resp: 457403
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.186 ng

RT: 16.698 min Scan# 2487

Delta R.T. -0.018 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

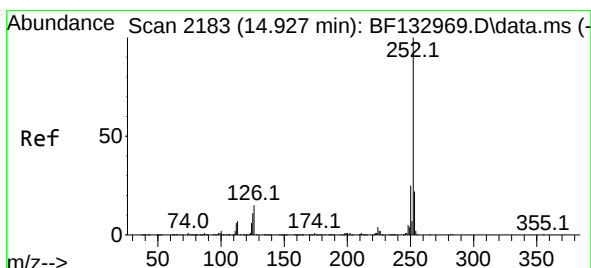
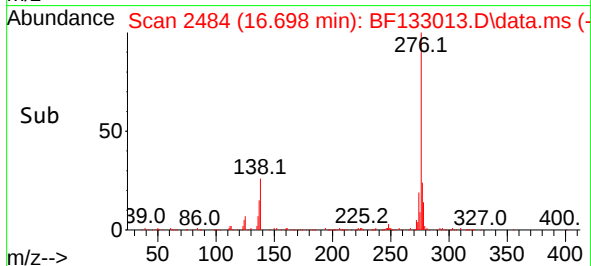
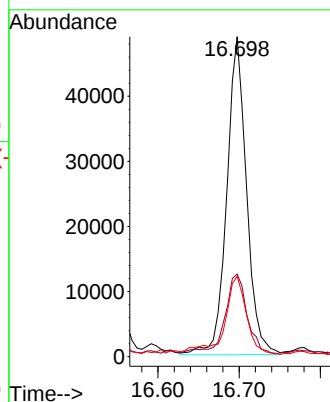
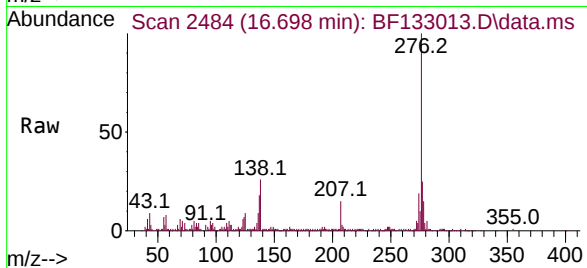
Tgt Ion:	276	Resp:	82900
Ion Ratio	Lower	Upper	
276	100		
138	28.1	25.5	38.3
277	28.1	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#88

Benzo(b)fluoranthene

Concen: 6.960 ng m

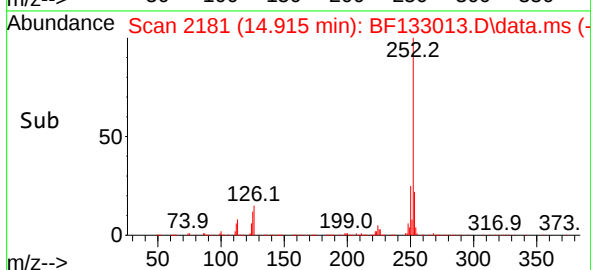
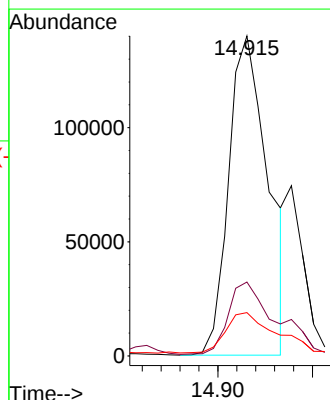
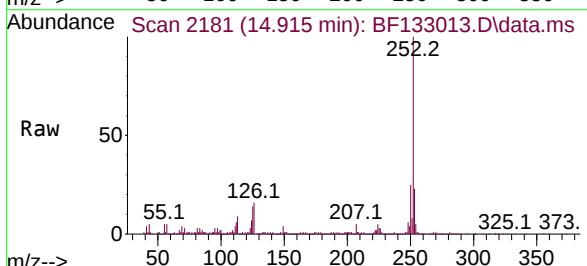
RT: 14.915 min Scan# 2181

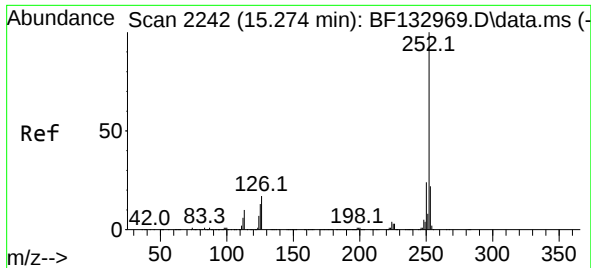
Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

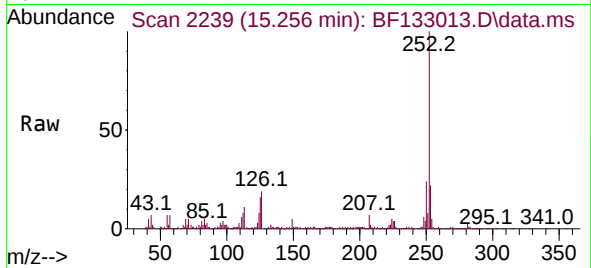
Tgt Ion:	252	Resp:	202533
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	13.6	8.9	13.3





#90
Benzo(a)pyrene
Concen: 4.195 ng
RT: 15.256 min Scan# 21112
Delta R.T. -0.018 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

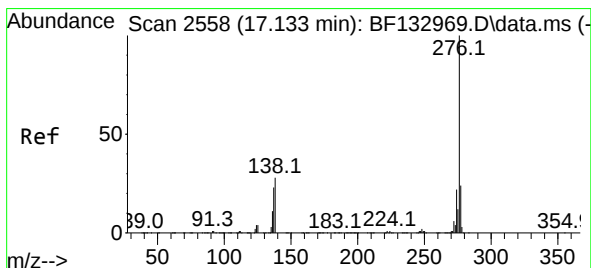
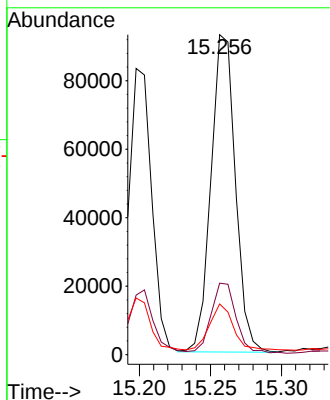
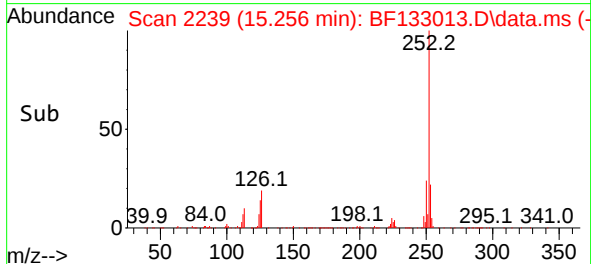
Instrument :
BNA_F
ClientSampleId :
279



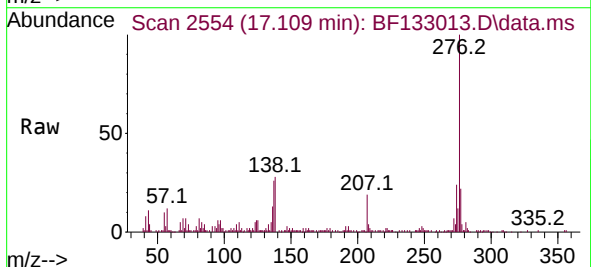
Tgt Ion:252 Resp: 11112
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 15.9 10.5 15.7

Manual Integrations
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Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023



#92
Benzo(g,h,i)perylene
Concen: 3.491 ng
RT: 17.109 min Scan# 2554
Delta R.T. -0.024 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25



Tgt Ion:276 Resp: 74787
Ion Ratio Lower Upper
276 100
277 22.2 19.4 29.0
138 28.1 22.7 34.1

