

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133284.D
 Acq On : 06 May 2023 02:03
 Operator : CG\JU
 Sample : 02622-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251675

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 05:54:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	161270	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	618746	20.000	ng	0.00
39) Acenaphthene-d10	9.780	164	107387	20.000	ng	0.02
64) Phenanthrene-d10	11.310	188	82866m	20.000	ng	0.06
76) Chrysene-d12	13.945	240	203382	20.000	ng	# 0.06
86) Perylene-d12	15.327	264	305129	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	899185	84.226	ng	0.00
7) Phenol-d6	6.369	99	1070353	80.776	ng	0.00
23) Nitrobenzene-d5	7.286	82	652754	56.944	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	77956	72.183	ng	0.04
45) 2-Fluorobiphenyl	9.086	172	971361	151.330	ng	0.00
79) Terphenyl-d14	12.904	244	279059	23.664	ng	0.07
Target Compounds						Qvalue
72) Anthracene	11.333	178	42592	9.345	ng	# 1
75) Fluoranthene	12.539	202	56406	12.619	ng	# 59
78) Pyrene	12.763	202	55103	3.161	ng	# 61
81) Benzo(a)anthracene	13.933	228	79498	5.684	ng	# 85
83) Chrysene	13.968	228	87481	6.256	ng	# 84
87) Indeno(1,2,3-cd)pyrene	16.680	276	58427	3.366	ng	96
88) Benzo(b)fluoranthene	14.927	252	197813m	10.190	ng	
89) Benzo(k)fluoranthene	14.951	252	59041m	3.068	ng	
90) Benzo(a)pyrene	15.268	252	105413	5.966	ng	# 81
92) Benzo(g,h,i)perylene	17.092	276	52377	3.665	ng	94

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

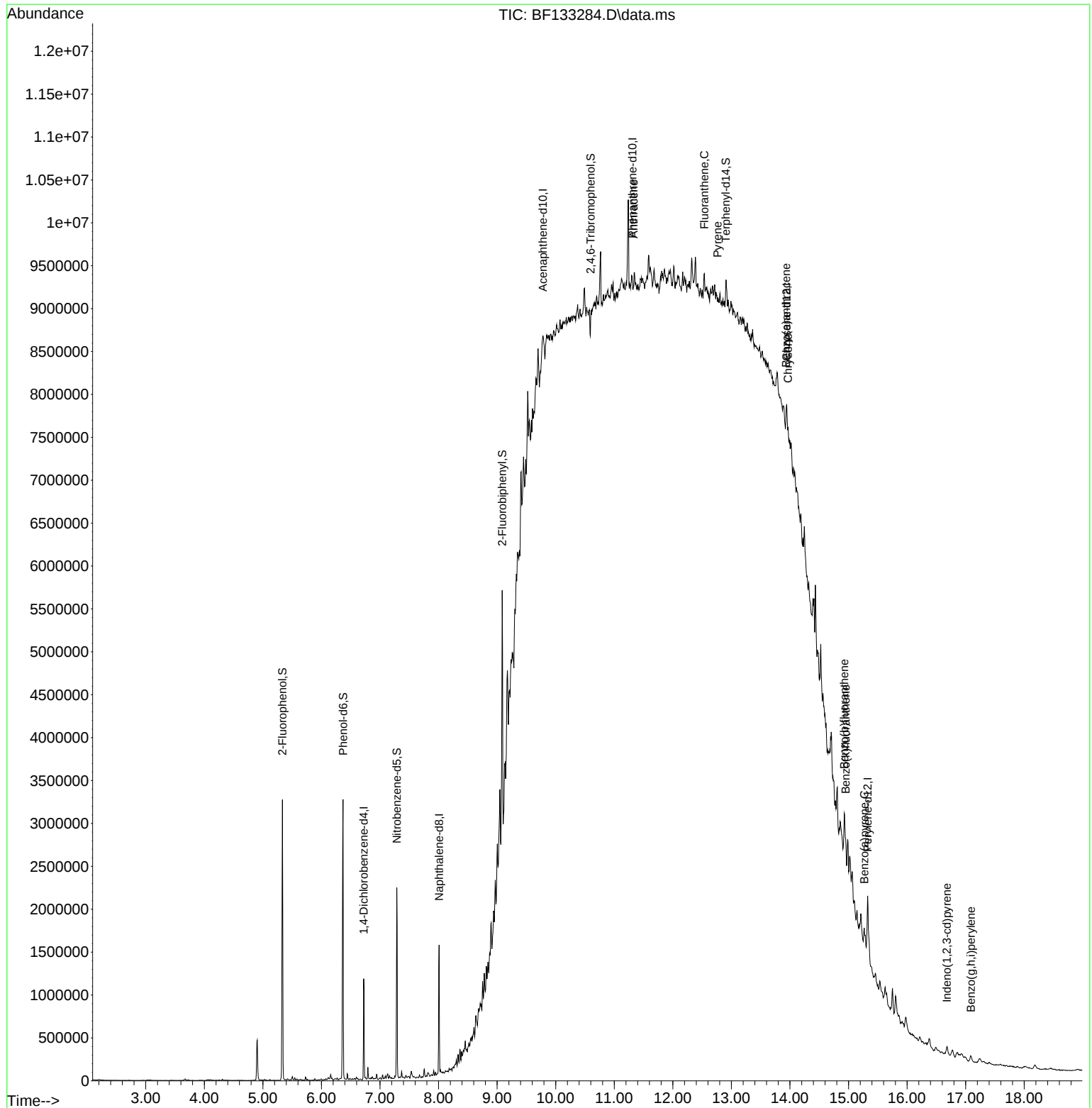
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
Data File : BF133284.D
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Quant Time: May 06 05:54:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 10:49:34 2023
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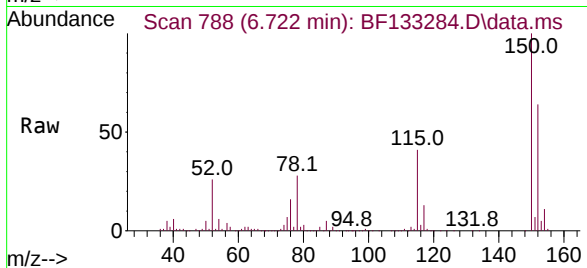
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

Instrument :

BNA_F

ClientSampleId :

RBR-251675

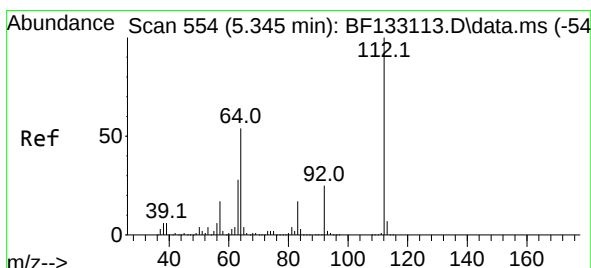
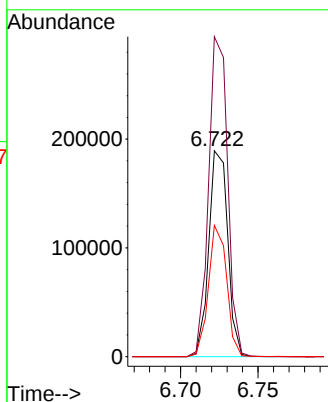
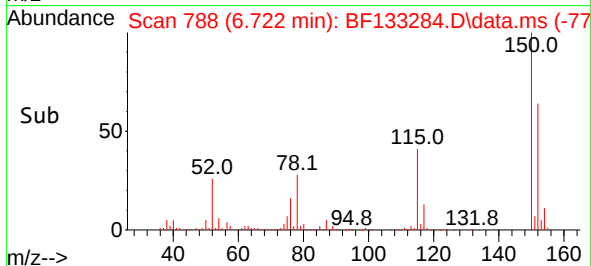


Tgt Ion:152 Resp: 161270
Ion Ratio Lower Upper
152 100
150 155.4 124.8 187.2
115 63.8 49.9 74.9

Manual Integrations

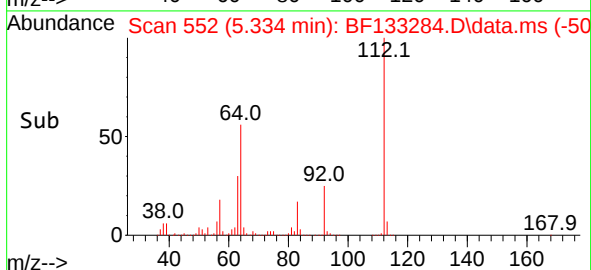
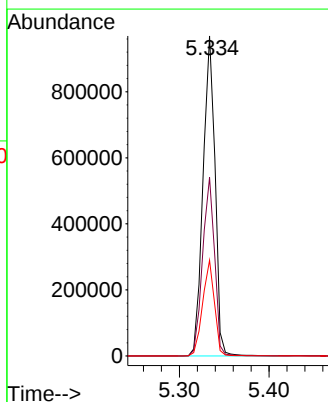
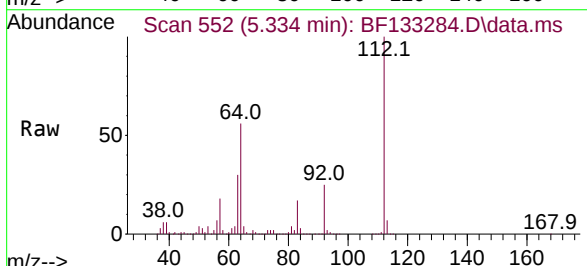
APPROVED

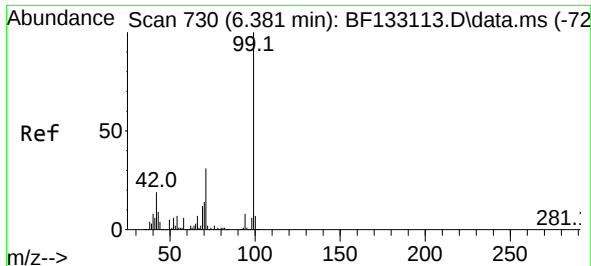
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#5
2-Fluorophenol
Concen: 84.226 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

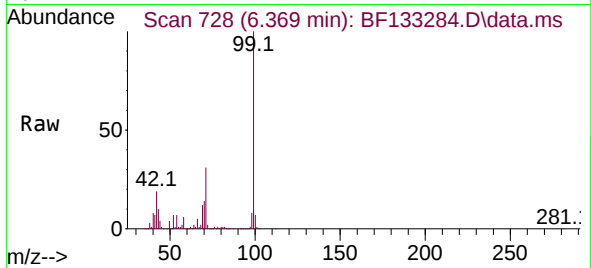
Tgt Ion:112 Resp: 899185
Ion Ratio Lower Upper
112 100
64 55.8 46.8 70.2
63 29.9 23.8 35.8





#7
Phenol-d6
Concen: 80.776 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

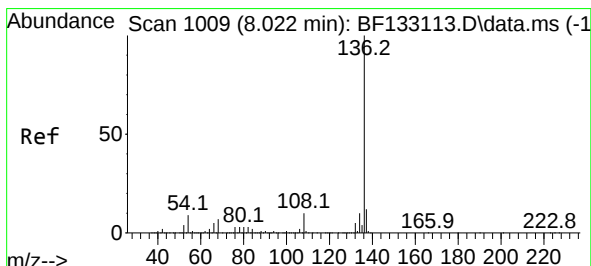
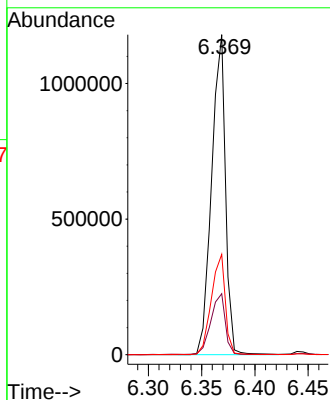
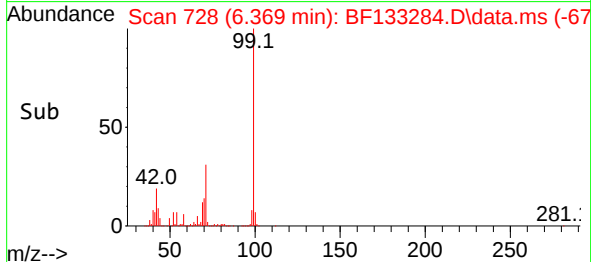
Instrument :
BNA_F
ClientSampleId :
RBR-251675



Tgt Ion: 99 Resp: 107035
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.3 25.6 38.4

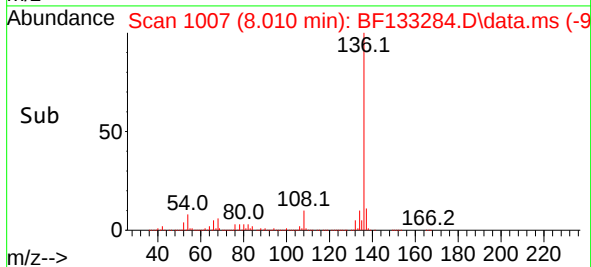
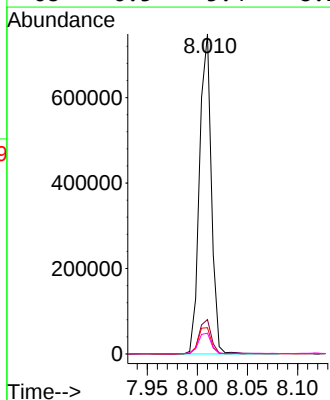
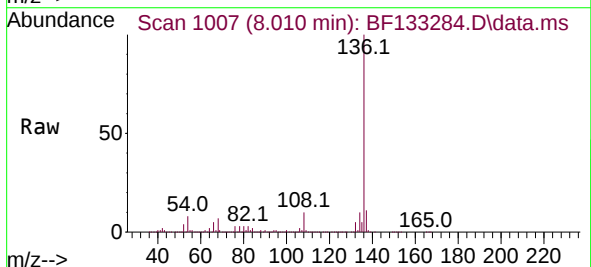
Manual Integrations
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Reviewed By :Christian Giraldo 05/08/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

Tgt Ion:136 Resp: 618746
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 56.944 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133284.D

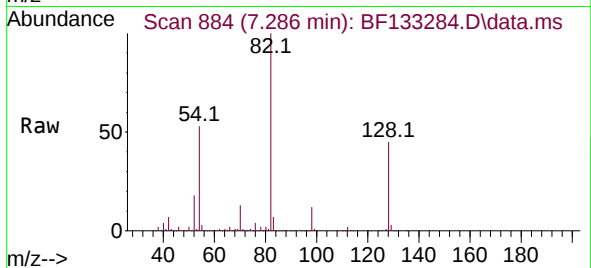
Acq: 06 May 2023 02:03

Instrument :

BNA_F

ClientSampleId :

RBR-251675

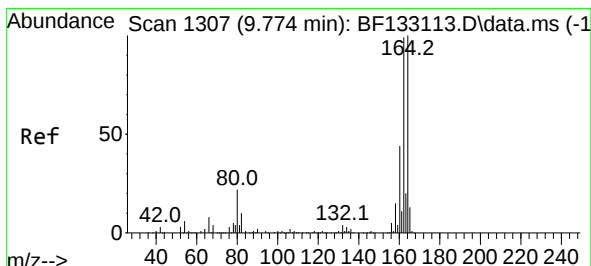
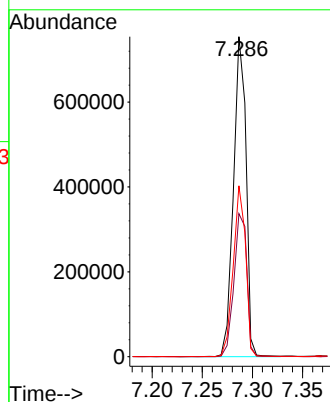
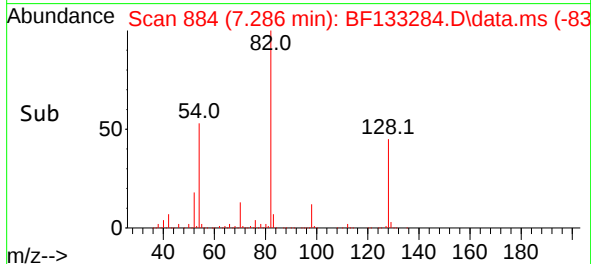


Tgt Ion: 82 Resp: 652754

Ion	Ratio	Lower	Upper
82	100		
128	44.7	37.7	56.5
54	53.4	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 1308

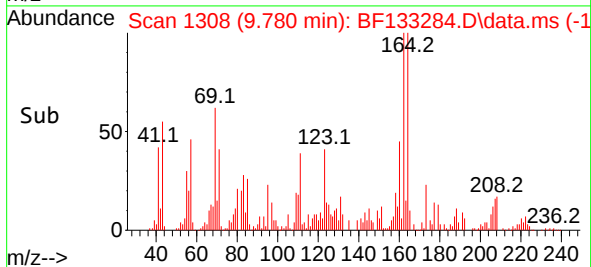
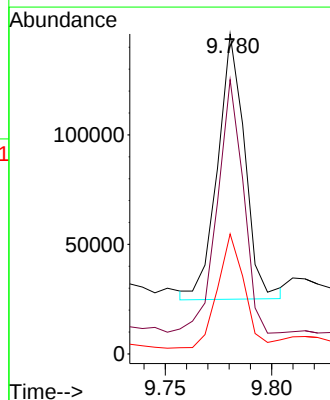
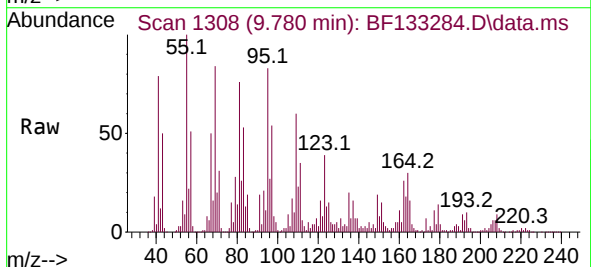
Delta R.T. 0.018 min

Lab File: BF133284.D

Acq: 06 May 2023 02:03

Tgt Ion:164 Resp: 107387

Ion	Ratio	Lower	Upper
164	100		
162	85.8	78.7	118.1
160	37.5	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 72.183 ng
RT: 10.598 min Scan# 1441
Delta R.T. 0.041 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

Instrument :

BNA_F

ClientSampleId :

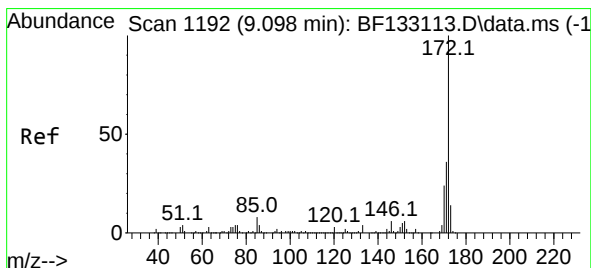
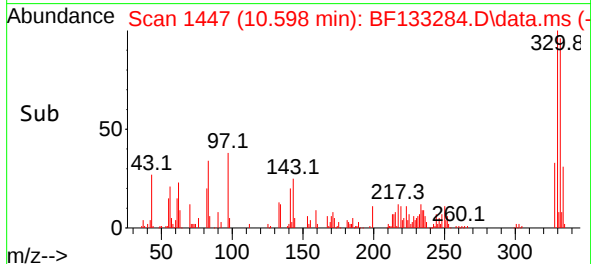
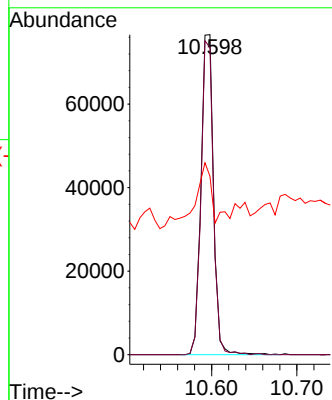
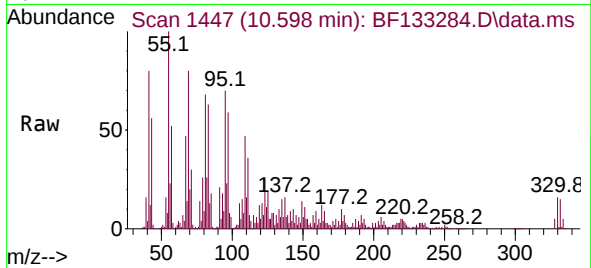
RBR-251675

Tgt Ion:330 Resp: 77950
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 29.2 25.8 38.8

Manual Integrations

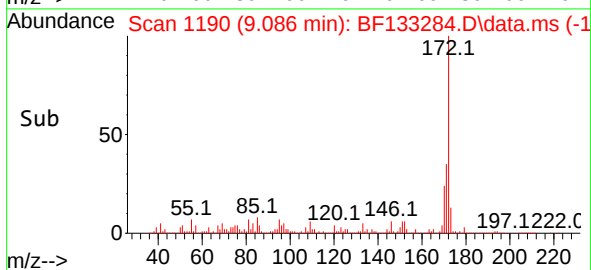
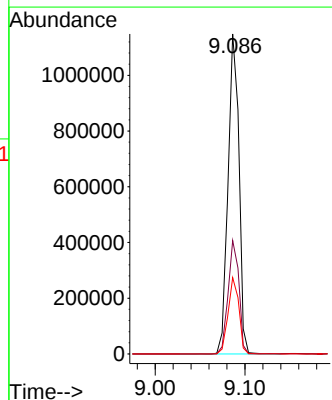
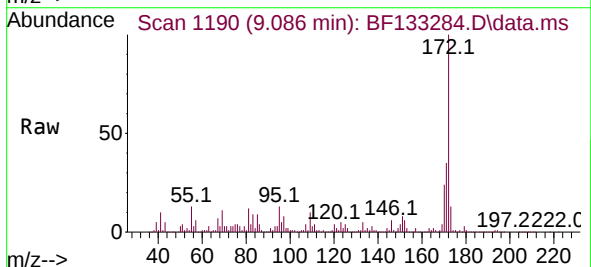
APPROVED

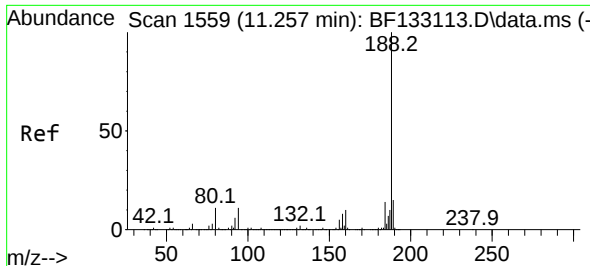
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#45
2-Fluorobiphenyl
Concen: 151.330 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

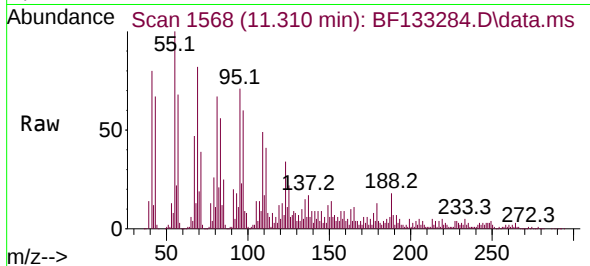
Tgt Ion:172 Resp: 971361
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.310 min Scan# 1568
Delta R.T. 0.065 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

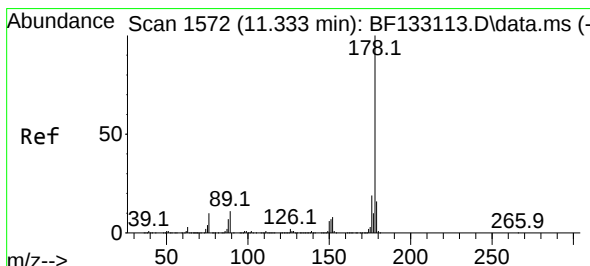
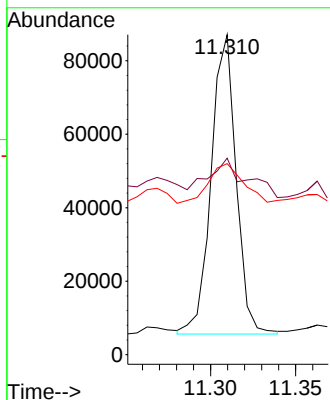
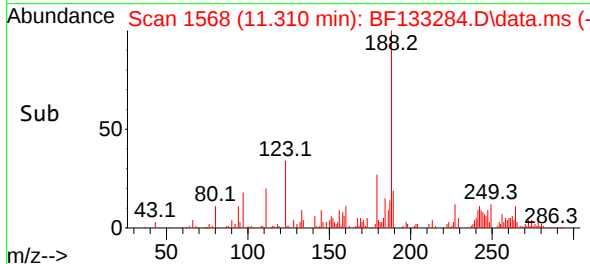
Instrument :
BNA_F
ClientSampleId :
RBR-251675



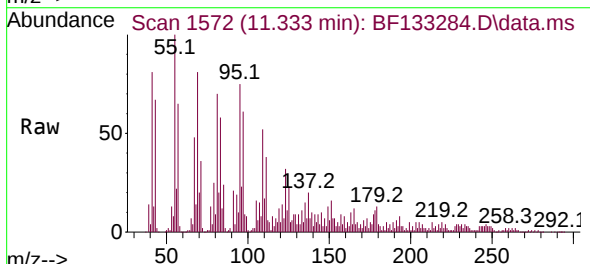
Tgt Ion:188 Resp: 82860
Ion Ratio Lower Upper
188 100
94 61.4 9.7 14.5
80 59.7 10.4 15.6

Manual Integrations
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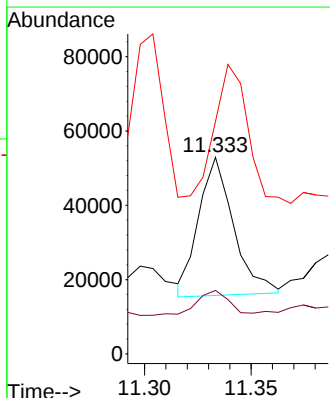
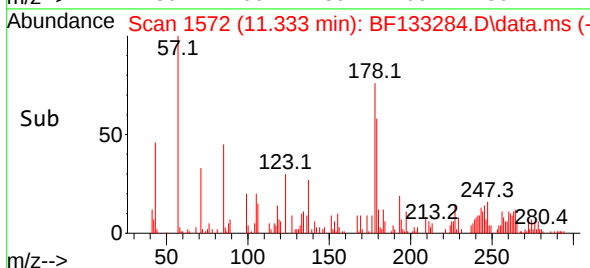
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

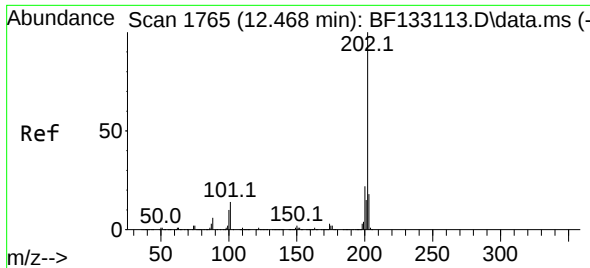


#72
Anthracene
Concen: 9.345 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03



Tgt Ion:178 Resp: 42592
Ion Ratio Lower Upper
178 100
176 32.3 15.4 23.0#
179 118.2 12.4 18.6#





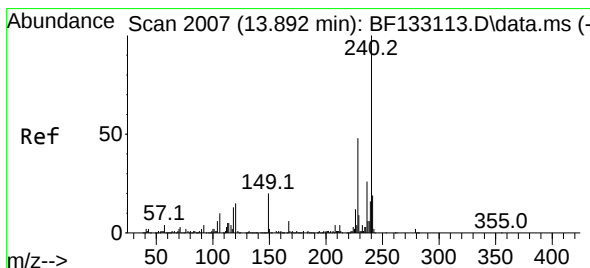
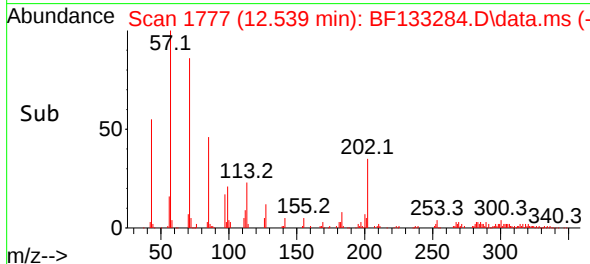
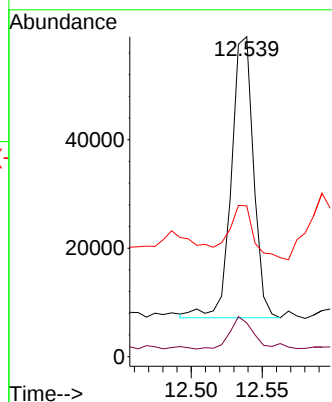
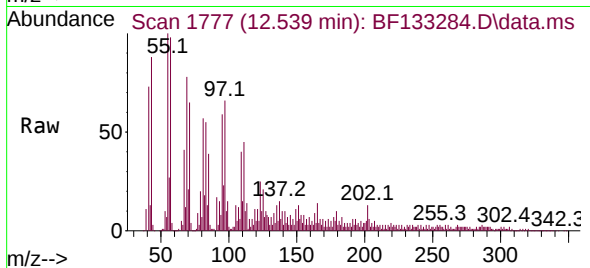
#75
Fluoranthene
Concen: 12.619 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

Instrument :
BNA_F
ClientSampleId :
RBR-251675

Tgt Ion:202 Resp: 56400
Ion Ratio Lower Upper
202 100
101 10.5 0.0 35.3
203 47.2 0.0 38.1

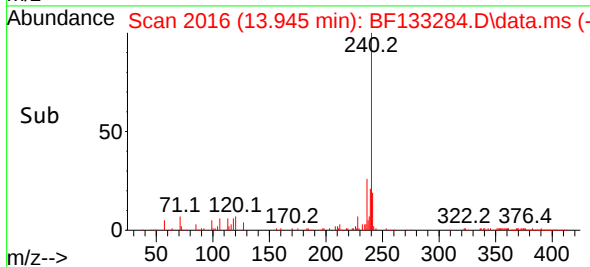
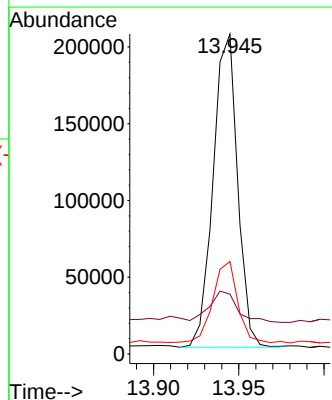
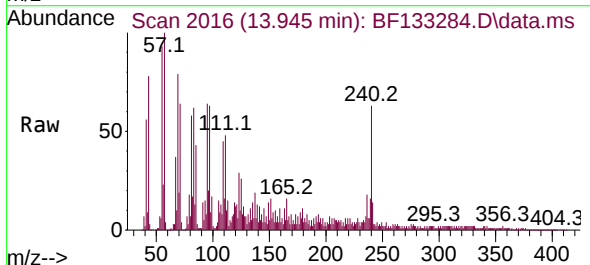
Manual Integrations
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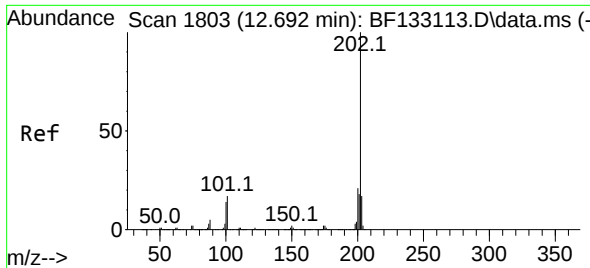
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.065 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

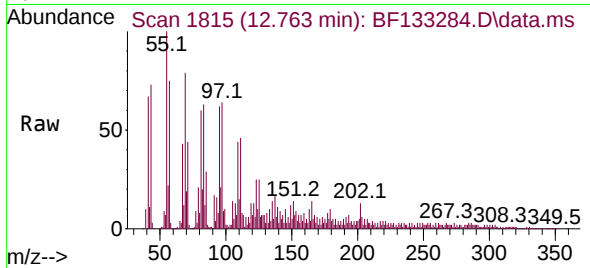
Tgt Ion:240 Resp: 203382
Ion Ratio Lower Upper
240 100
120 18.7 10.5 15.7#
236 28.9 21.5 32.3





#78
Pyrene
Concen: 3.161 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.076 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

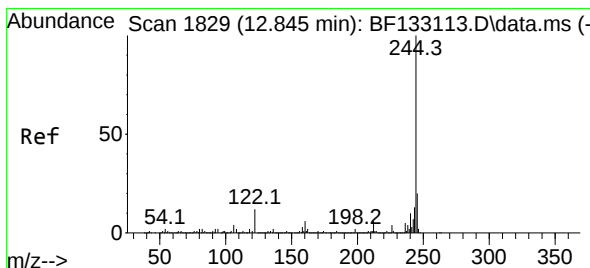
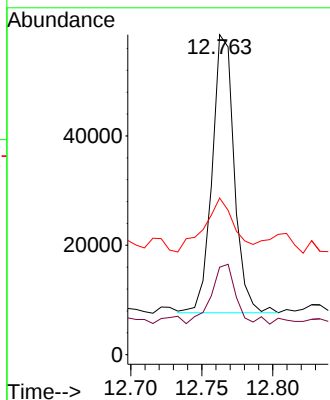
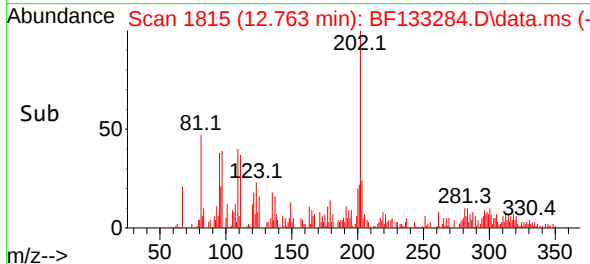
Instrument :
BNA_F
ClientSampleId :
RBR-251675



Tgt Ion:202 Resp: 55100
Ion Ratio Lower Upper
202 100
200 27.3 17.1 25.7#
203 49.0 14.1 21.1#

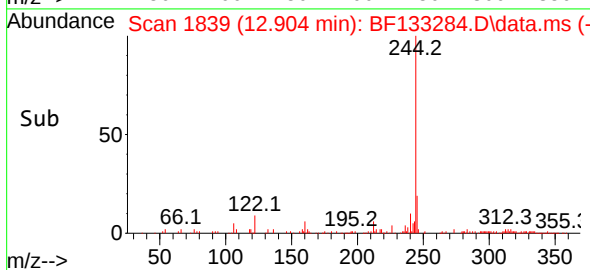
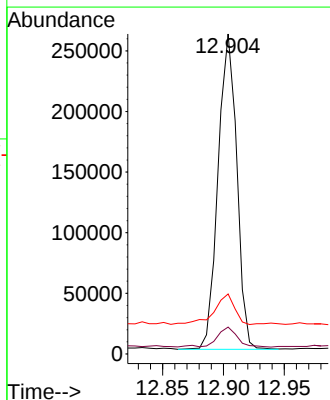
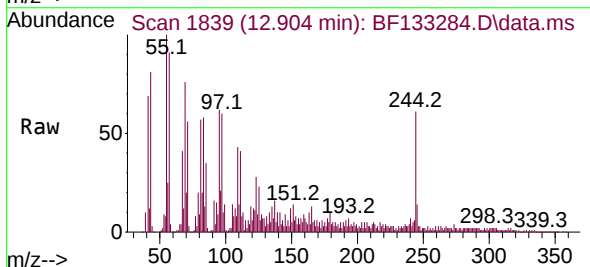
Manual Integrations
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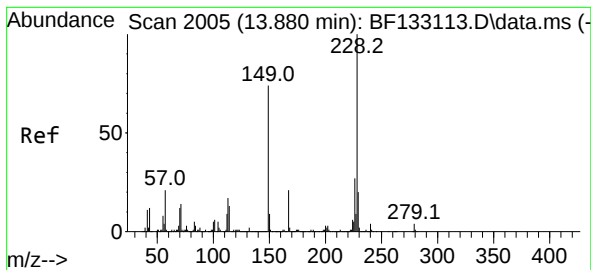
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#79
Terphenyl-d14
Concen: 23.664 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.071 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

Tgt Ion:244 Resp: 279059
Ion Ratio Lower Upper
244 100
212 8.4 5.1 7.7#
122 18.7 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 5.684 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.065 min

Lab File: BF133284.D

Acq: 06 May 2023 02:03

Instrument :

BNF_F

ClientSampleId :

RBR-251675

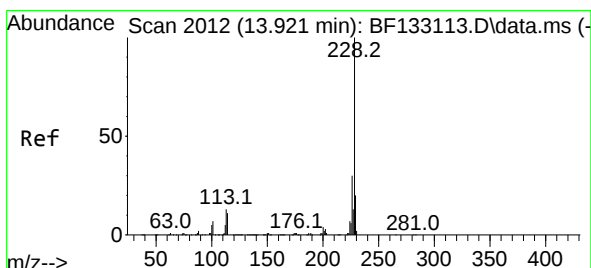
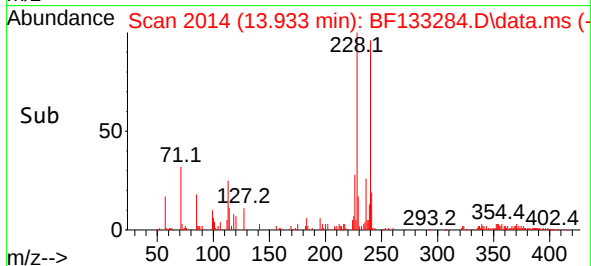
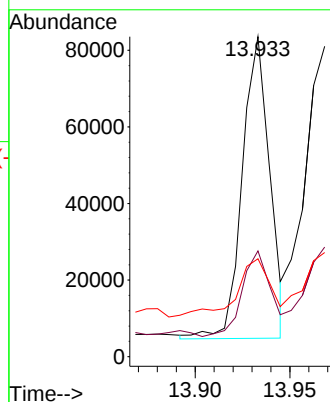
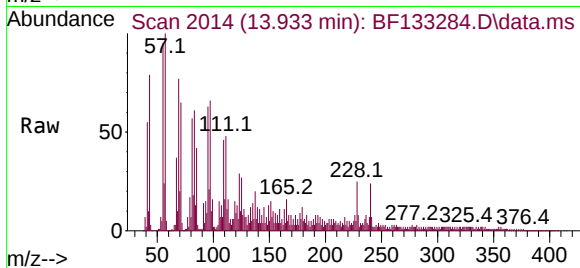
Tgt Ion:228 Resp: 79498
 Ion Ratio Lower Upper
 228 100
 226 33.0 22.2 33.4
 229 30.6 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#83

Chrysene

Concen: 6.256 ng

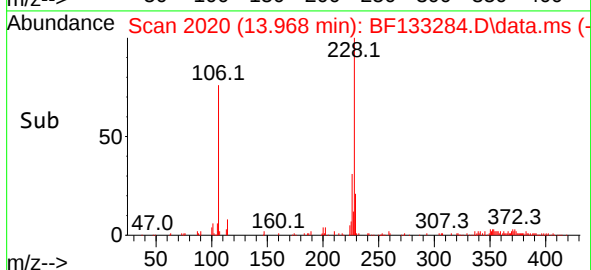
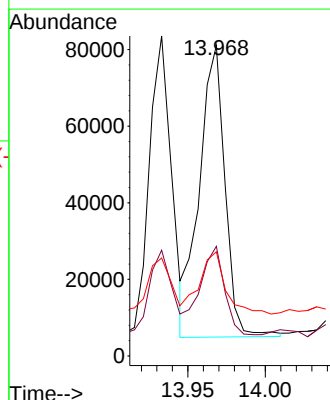
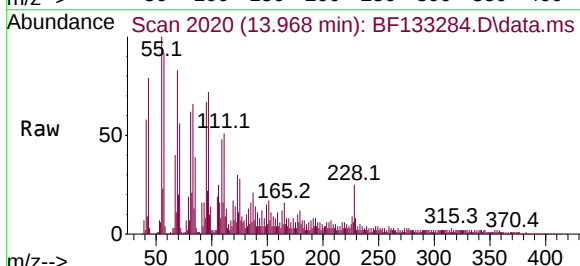
RT: 13.968 min Scan# 2020

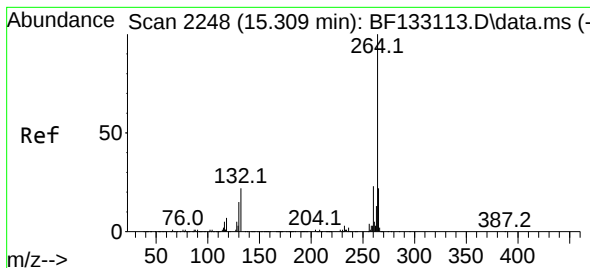
Delta R.T. 0.059 min

Lab File: BF133284.D

Acq: 06 May 2023 02:03

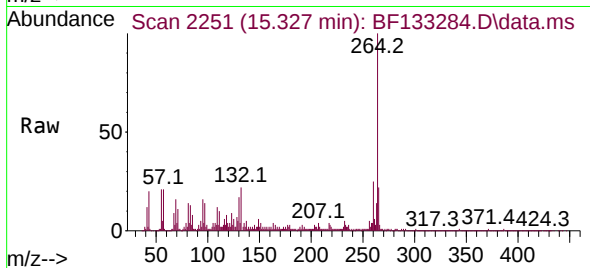
Tgt Ion:228 Resp: 87481
 Ion Ratio Lower Upper
 228 100
 226 35.3 24.7 37.1
 229 33.6 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.327 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

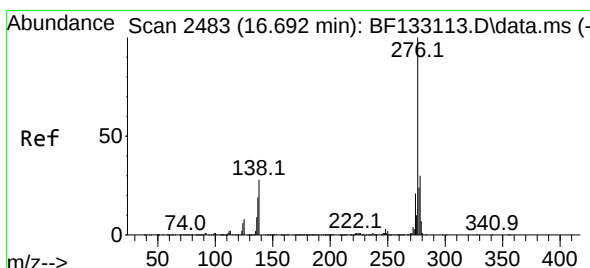
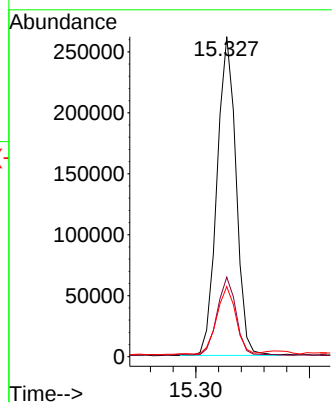
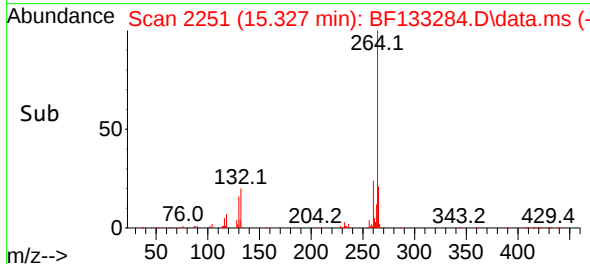
Instrument :
BNA_F
ClientSampleId :
RBR-251675



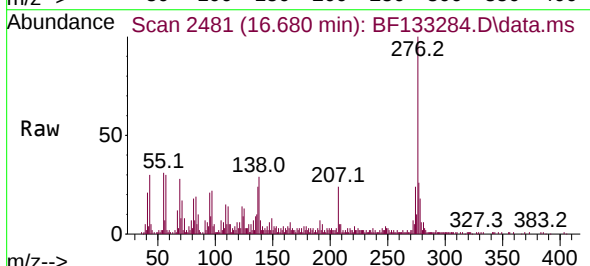
Tgt Ion:264 Resp: 305129
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 21.9 17.0 25.4

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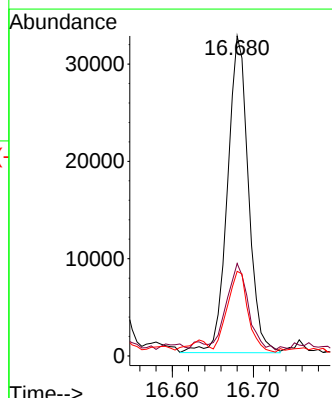
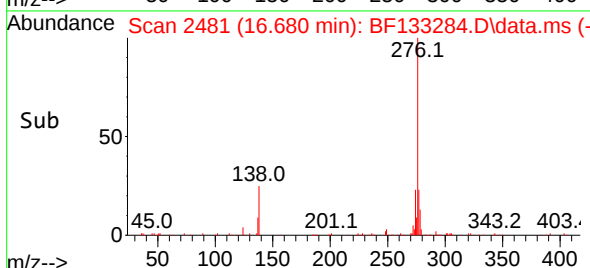
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

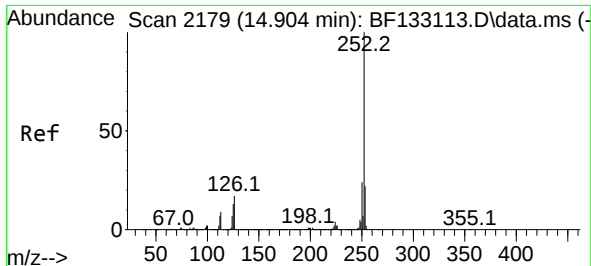


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.366 ng
RT: 16.680 min Scan# 2481
Delta R.T. 0.006 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03



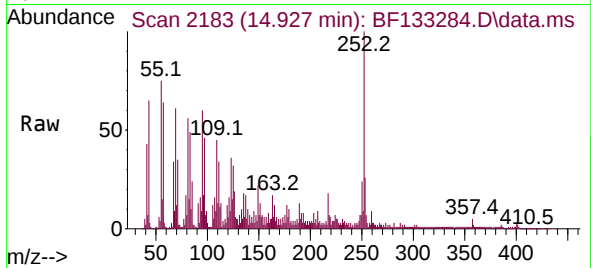
Tgt Ion:276 Resp: 58427
Ion Ratio Lower Upper
276 100
138 28.0 25.5 38.3
277 25.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 10.190 ng m
RT: 14.927 min Scan# 2179
Delta R.T. 0.035 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

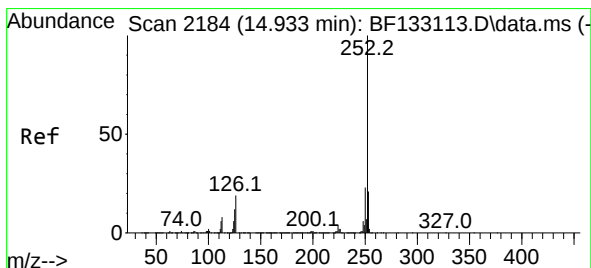
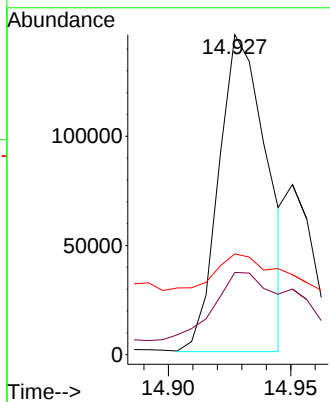
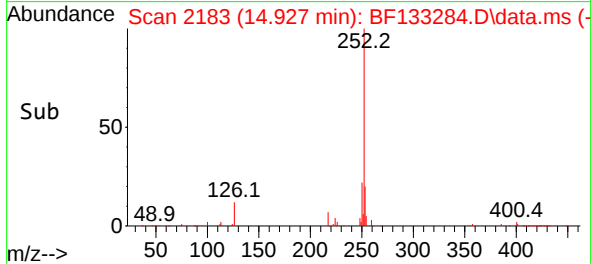
Instrument :
BNA_F
ClientSampleId :
RBR-251675



Tgt Ion:252 Resp: 197811
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 31.5 8.9 13.3

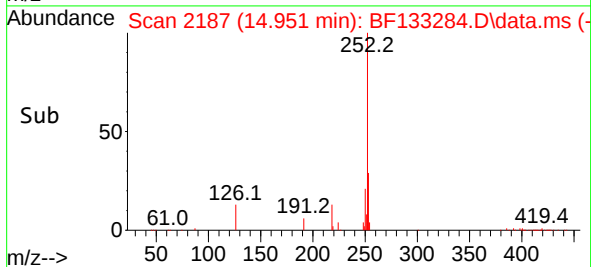
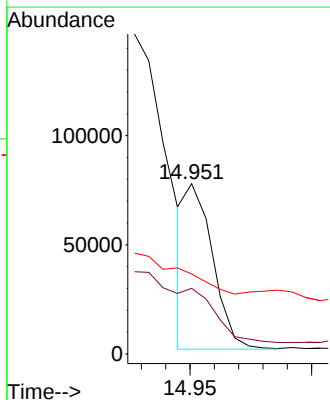
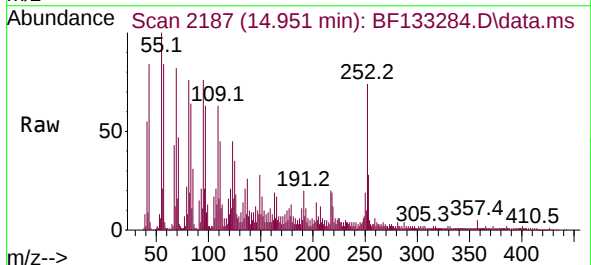
Manual Integrations
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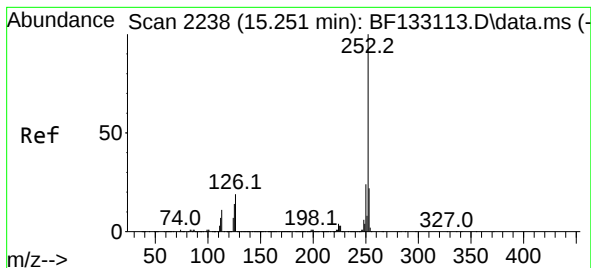
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#89
Benzo(k)fluoranthene
Concen: 3.068 ng m
RT: 14.951 min Scan# 2187
Delta R.T. 0.029 min
Lab File: BF133284.D
Acq: 06 May 2023 02:03

Tgt Ion:252 Resp: 59041
Ion Ratio Lower Upper
252 100
253 38.6 17.7 26.5#
125 47.0 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 5.966 ng

RT: 15.268 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF133284.D

Acq: 06 May 2023 02:03

Instrument :

BNA_F

ClientSampleId :

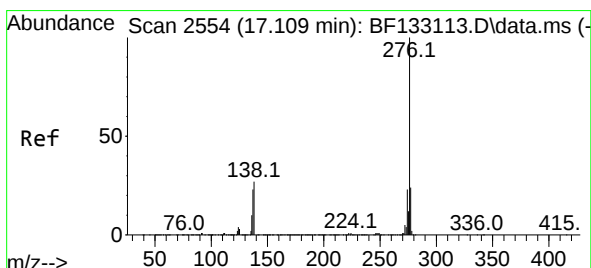
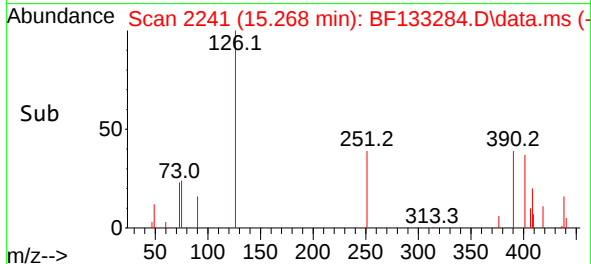
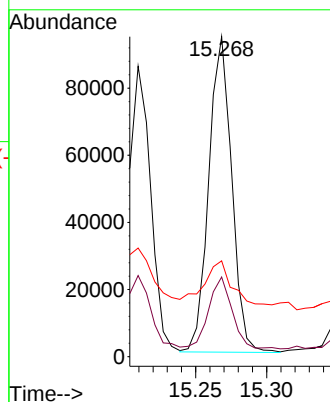
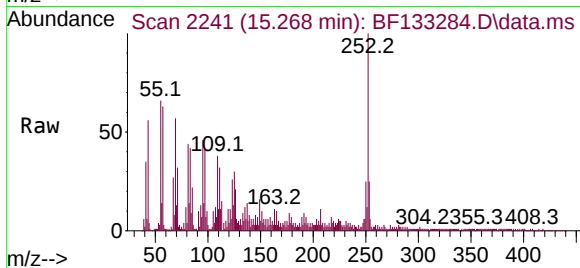
RBR-251675

Tgt Ion:	252	Resp:	10541
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.7	26.5
125	30.0	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#92

Benzo(g,h,i)perylene

Concen: 3.665 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.000 min

Lab File: BF133284.D

Acq: 06 May 2023 02:03

Tgt Ion:	276	Resp:	52377
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.0
138	23.6	22.7	34.1

