

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129488.D
 Acq On : 01 Aug 2022 23:06
 Operator : CG\JU
 Sample : N3973-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11940

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

Quant Time: Aug 02 01:18:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	168292	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	649646	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	316346	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	438528	20.000	ng	0.00
76) Chrysene-d12	14.045	240	321250	20.000	ng	0.00
86) Perylene-d12	15.533	264	349066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	568843	55.062	ng	0.00
7) Phenol-d6	6.522	99	1083529	83.442	ng	0.00
23) Nitrobenzene-d5	7.440	82	755916	63.518	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	36165	11.891	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1344249	65.735	ng	0.00
79) Terphenyl-d14	12.986	244	1030287	60.505	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.528	94	73981	5.350	ng	91
71) Phenanthrene	11.428	178	197155	8.236	ng	98
72) Anthracene	11.475	178	55265	2.349	ng	99
75) Fluoranthene	12.616	202	284168	11.716	ng	100
78) Pyrene	12.845	202	402704	14.991	ng	98
81) Benzo(a)anthracene	14.033	228	227057	10.347	ng	99
83) Chrysene	14.069	228	216782	10.482	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	169688	7.219	ng	95
88) Benzo(b)fluoranthene	15.092	252	380965m	16.453	ng	
89) Benzo(k)fluoranthene	15.121	252	128902m	5.681	ng	
90) Benzo(a)pyrene	15.468	252	252749	13.447	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	48054m	2.512	ng	
92) Benzo(g,h,i)perylene	17.480	276	182944	9.358	ng	99

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

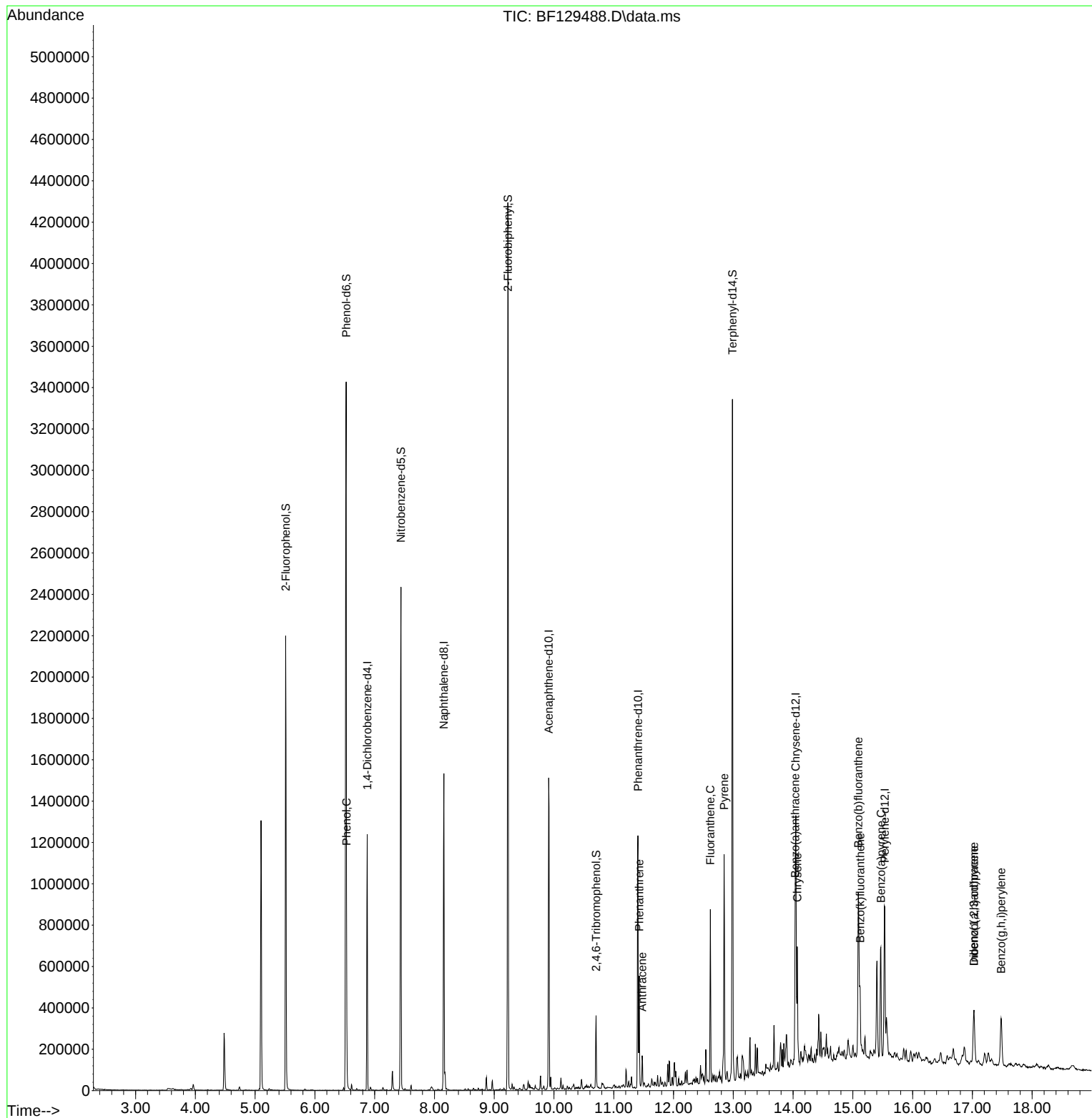
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
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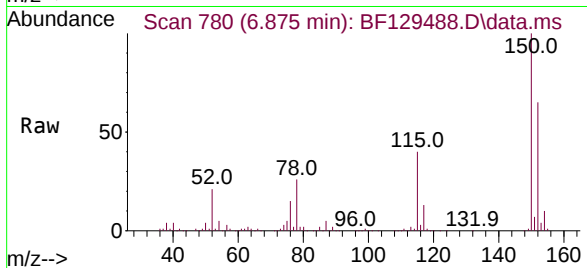
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

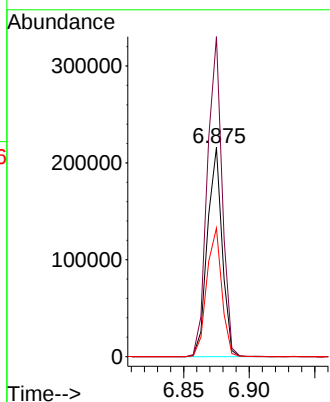
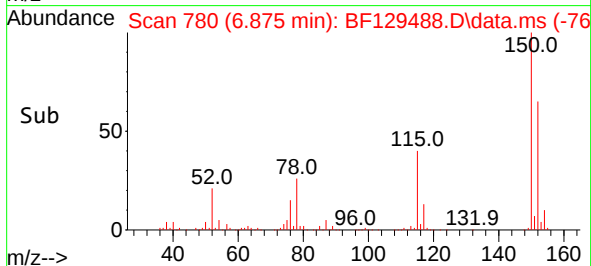
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



Tgt Ion:152 Resp: 168292
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 61.4 49.9 74.9

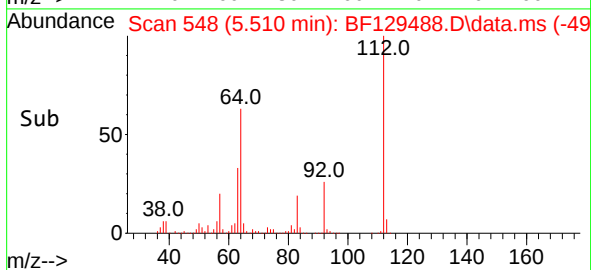
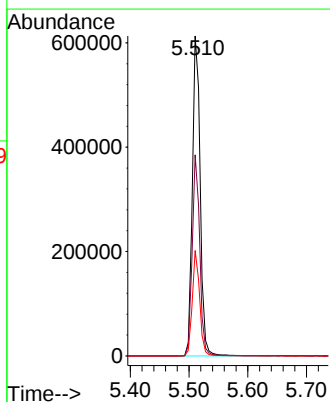
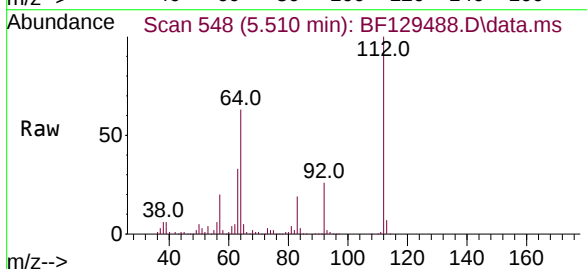
Manual Integrations
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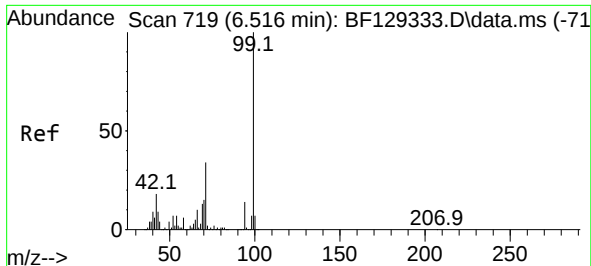
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#5
2-Fluorophenol
Concen: 55.062 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

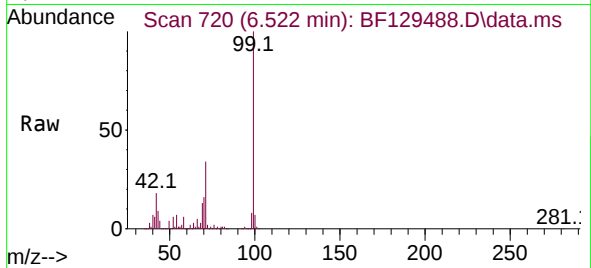
Tgt Ion:112 Resp: 568843
Ion Ratio Lower Upper
112 100
64 62.8 53.3 79.9
63 32.9 28.0 42.0





#7
Phenol-d6
Concen: 83.442 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

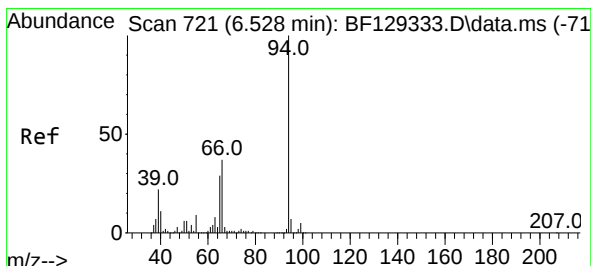
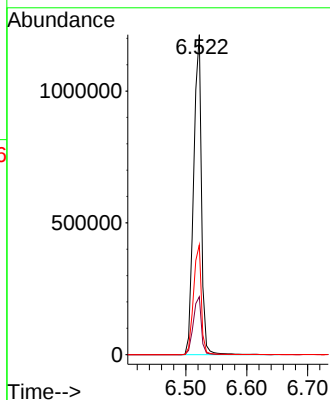
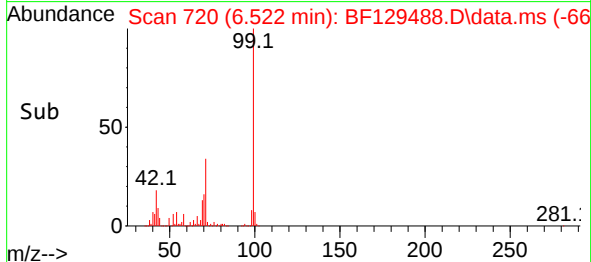
Instrument :
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ClientSampleId :
RO-72-11940



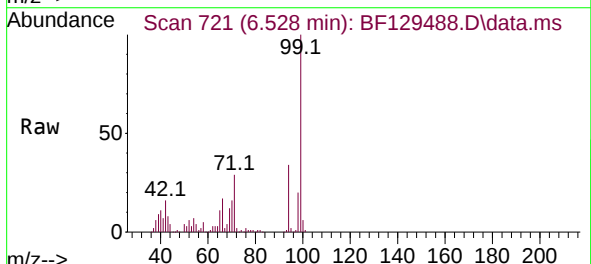
Tgt Ion: 99 Resp: 1083529
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.3 28.9 43.3

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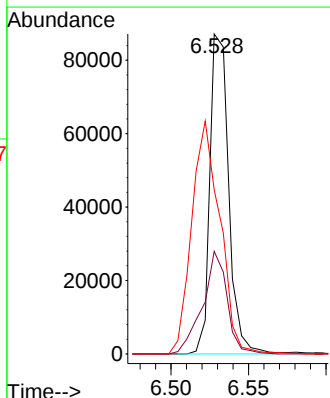
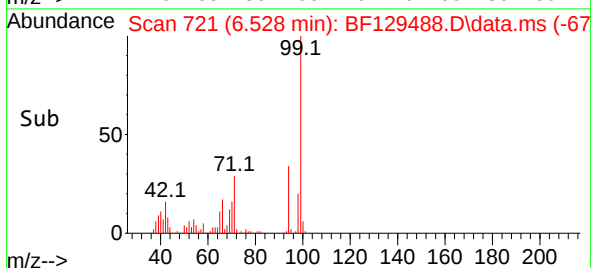
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

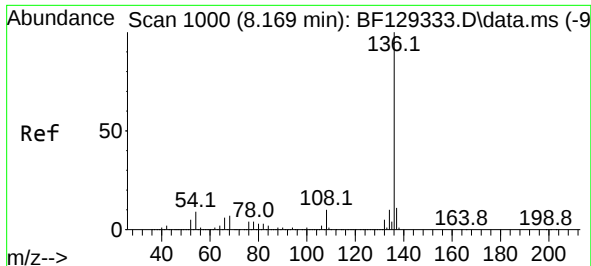


#10
Phenol
Concen: 5.350 ng
RT: 6.528 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06



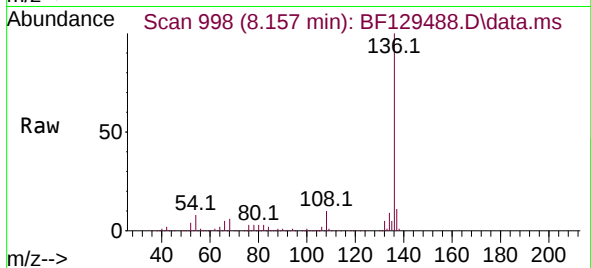
Tgt Ion: 94 Resp: 73981
Ion Ratio Lower Upper
94 100
65 32.0 11.4 51.4
66 51.3 21.4 61.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

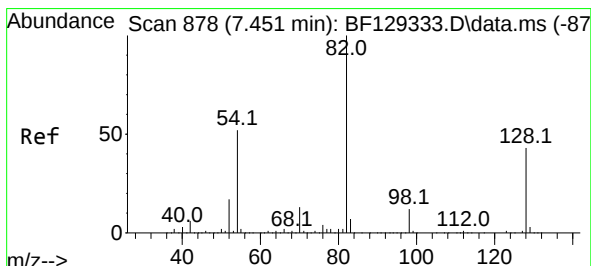
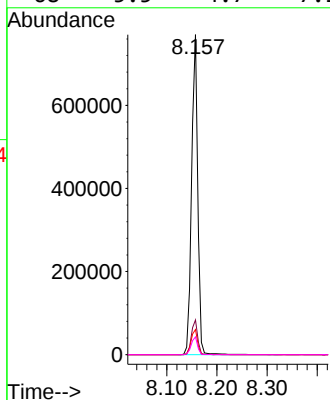
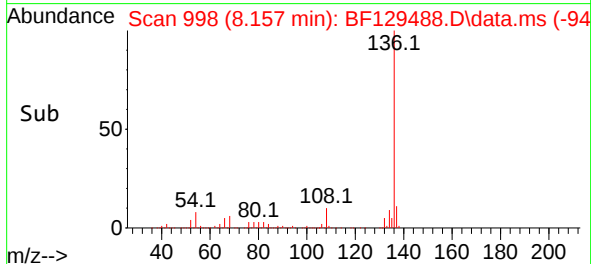
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



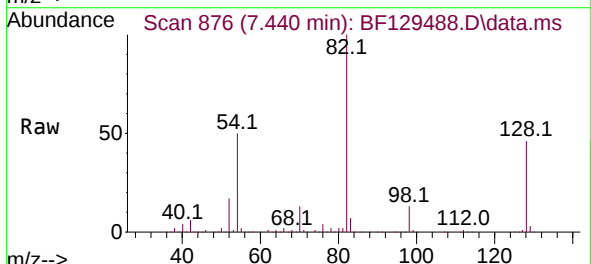
Tgt Ion: 136 Resp: 649646
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.5 11.3
68 5.5 4.7 7.1

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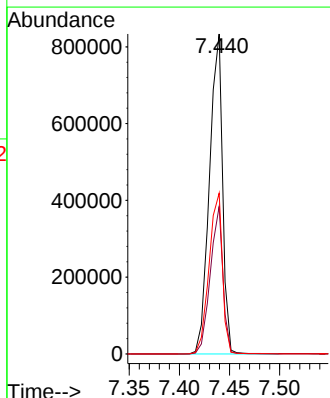
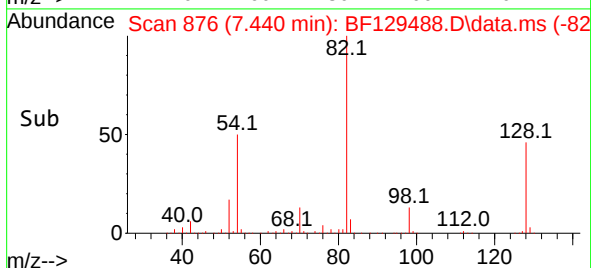
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

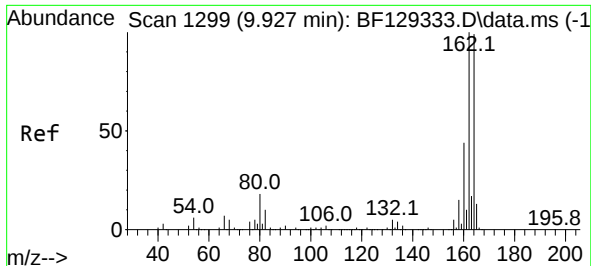


#23
Nitrobenzene-d5
Concen: 63.518 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06



Tgt Ion: 82 Resp: 755916
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 50.2 46.9 70.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1299

Delta R.T. -0.006 min

Lab File: BF129488.D

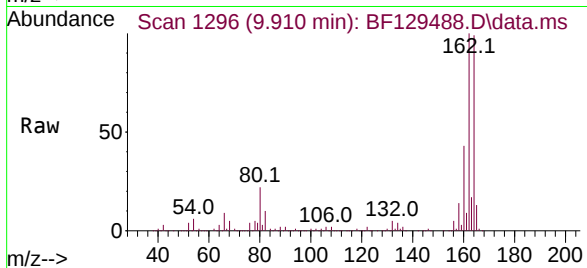
Acq: 01 Aug 2022 23:06

Instrument :

BNA_F

ClientSampleId :

RO-72-11940



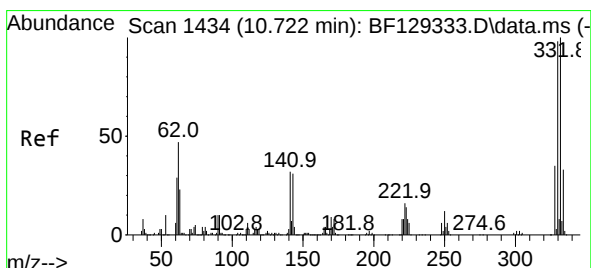
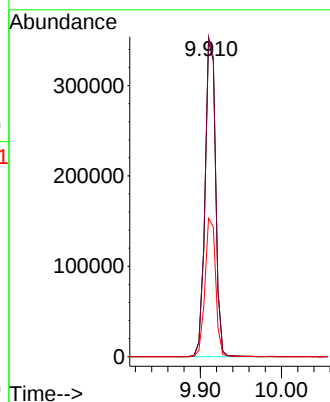
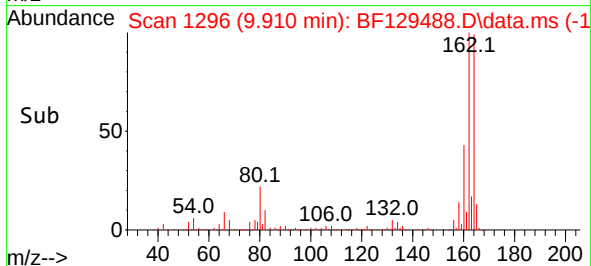
Tgt Ion:	164	Resp:	316346
Ion Ratio	Lower	Upper	
164	100		
162	101.4	79.5	119.3
160	43.8	34.2	51.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/02/2022



#42

2,4,6-Tribromophenol

Concen: 11.891 ng

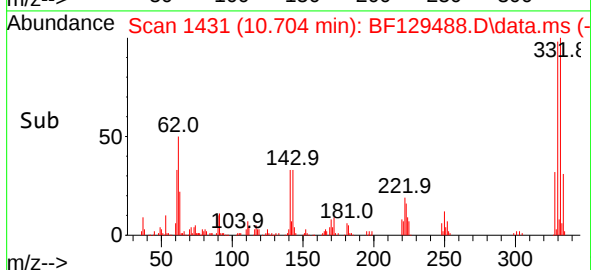
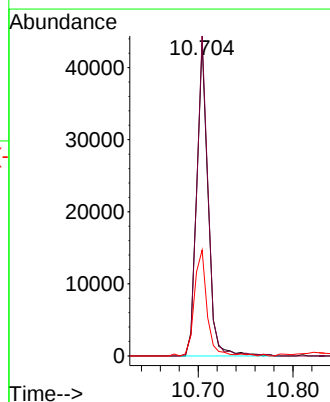
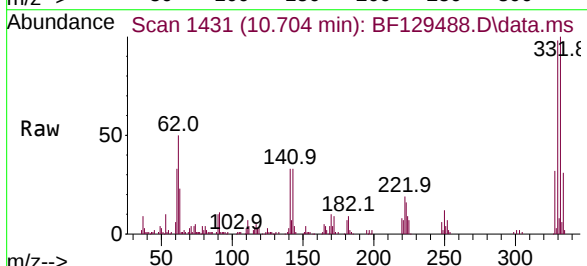
RT: 10.704 min Scan# 1431

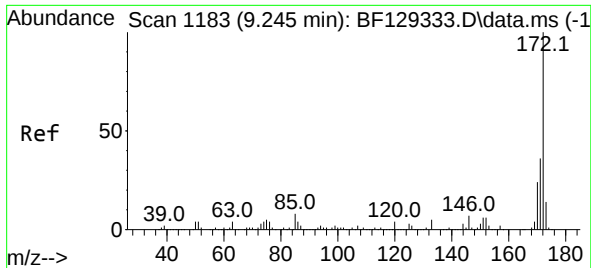
Delta R.T. -0.006 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

Tgt Ion:	330	Resp:	36165
Ion Ratio	Lower	Upper	
330	100		
332	100.9	76.8	115.2
141	37.1	28.0	42.0





#45

2-Fluorobiphenyl

Concen: 65.735 ng

RT: 9.228 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF129488.D

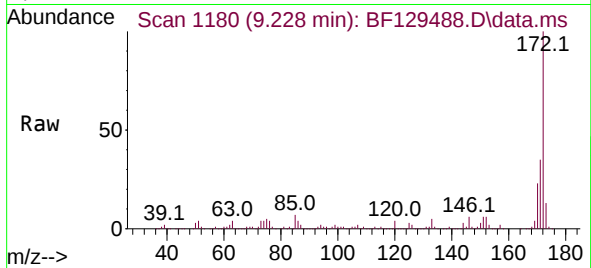
Acq: 01 Aug 2022 23:06

Instrument :

BNA_F

ClientSampleId :

RO-72-11940



Tgt Ion:172 Resp: 1344249

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

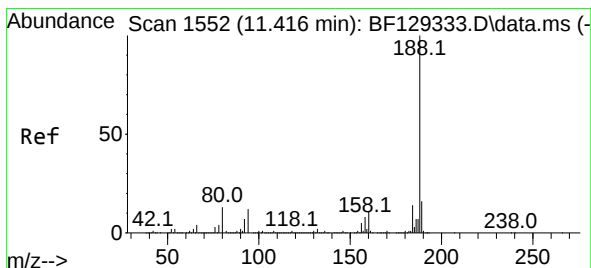
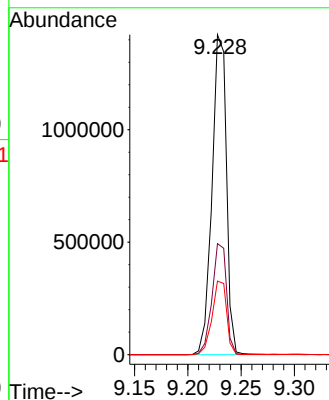
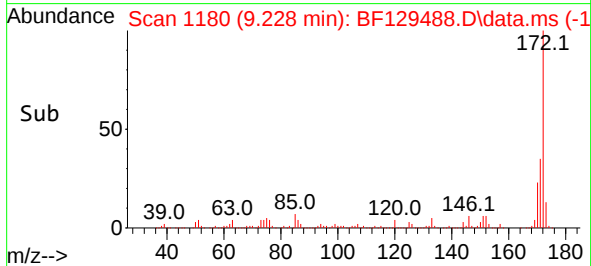
170 23.0 19.8 29.8

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

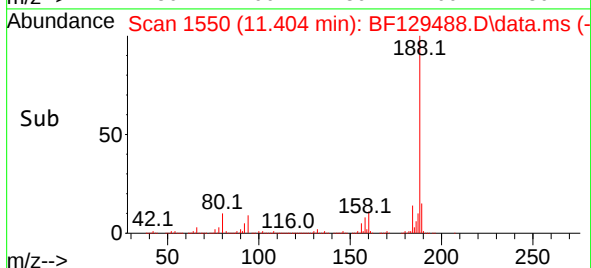
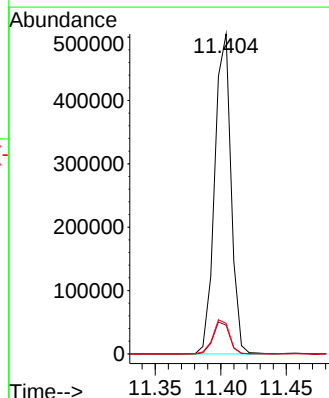
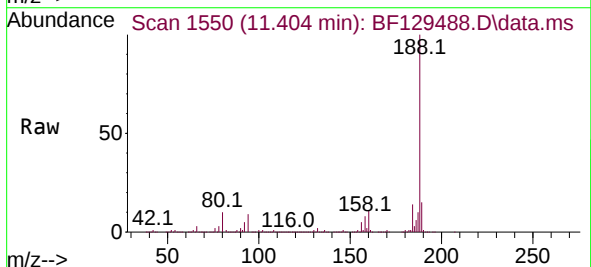
Tgt Ion:188 Resp: 438528

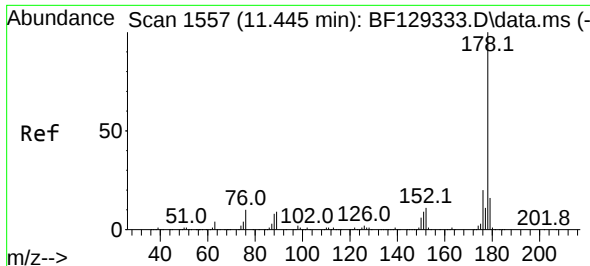
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

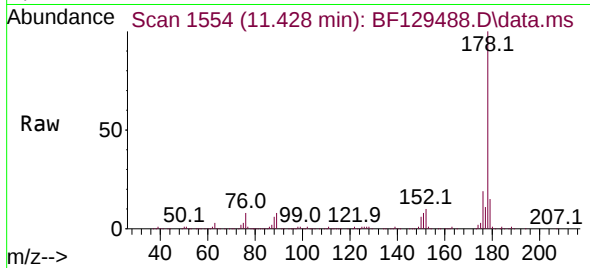
80 9.5 7.6 11.4





#71
Phenanthrene
Concen: 8.236 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

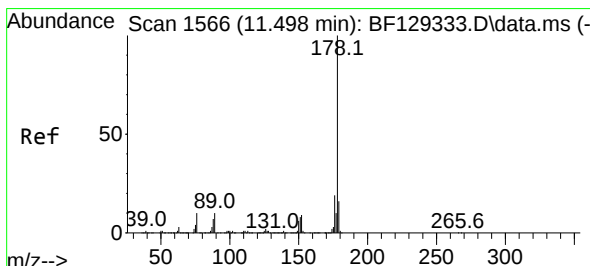
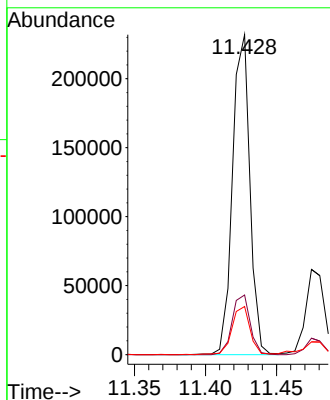
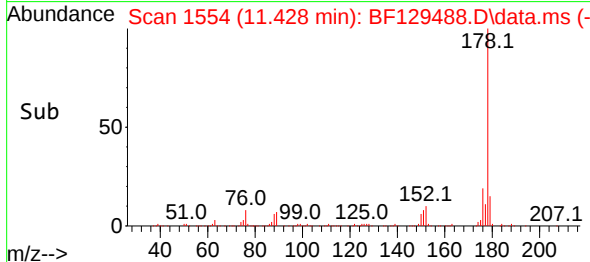
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



Tgt Ion:178 Resp: 19715
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.0 12.6 19.0

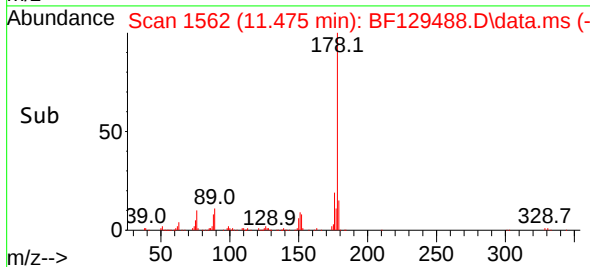
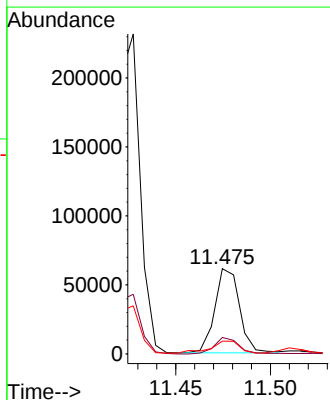
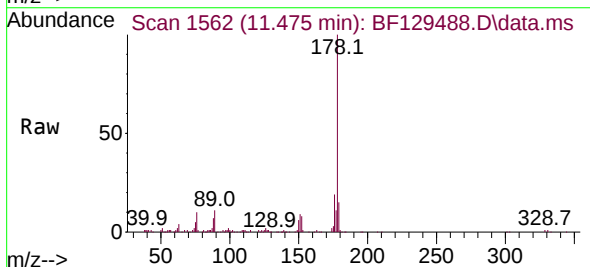
Manual Integrations
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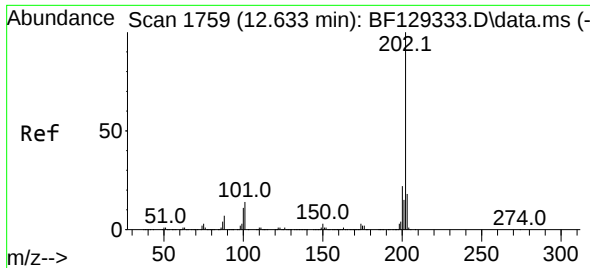
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#72
Anthracene
Concen: 2.349 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

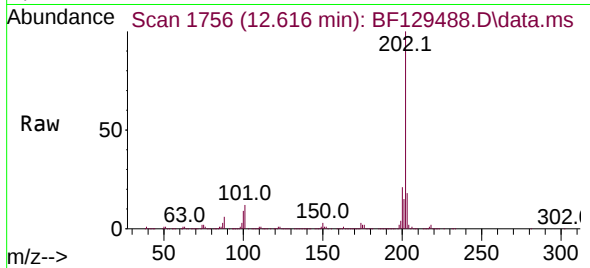
Tgt Ion:178 Resp: 55265
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 11.716 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

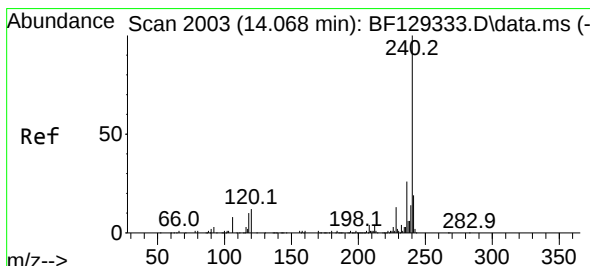
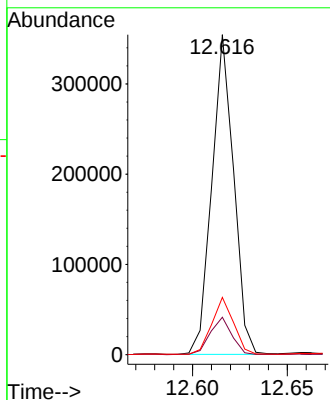
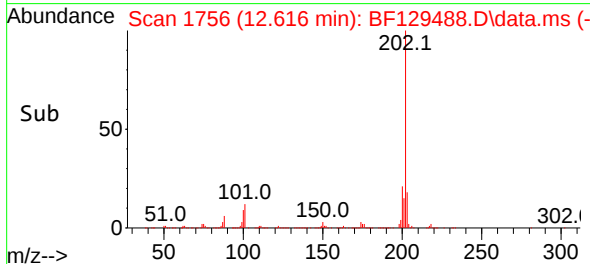
Instrument :
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RO-72-11940



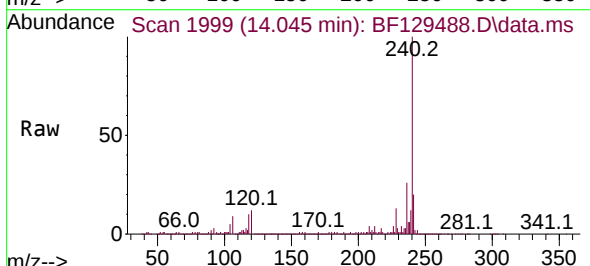
Tgt Ion:202 Resp: 284168
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 17.9 0.0 38.0

Manual Integrations
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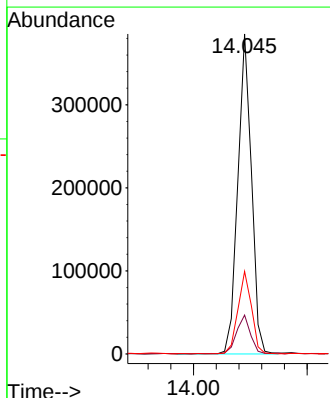
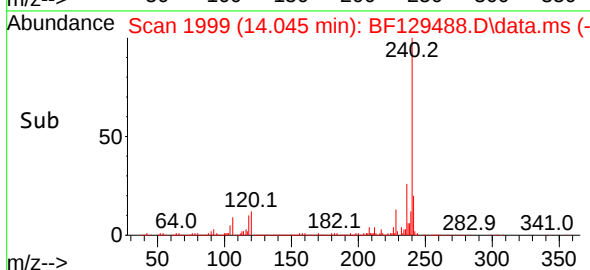
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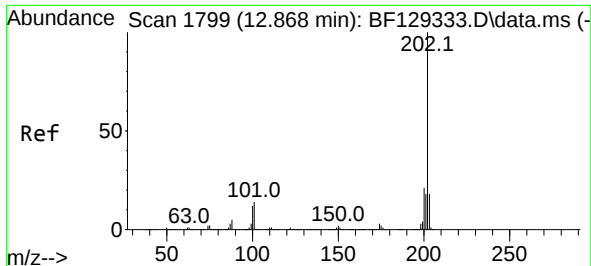


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06



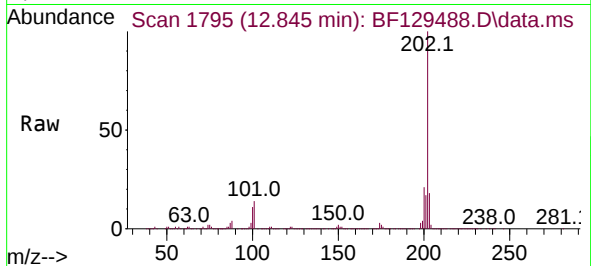
Tgt Ion:240 Resp: 321250
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 25.8 20.8 31.2





#78
Pyrene
Concen: 14.991 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

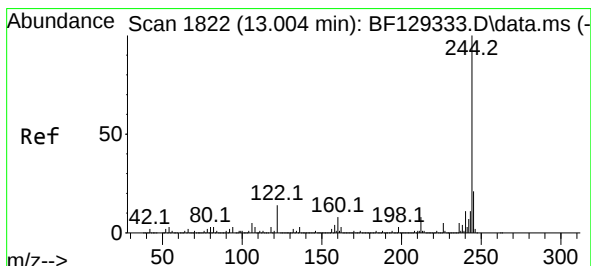
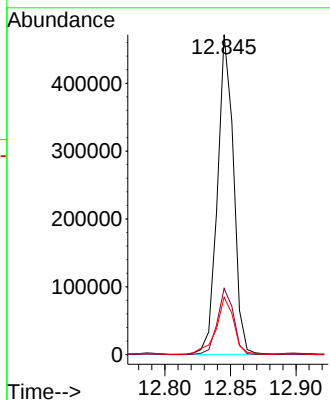
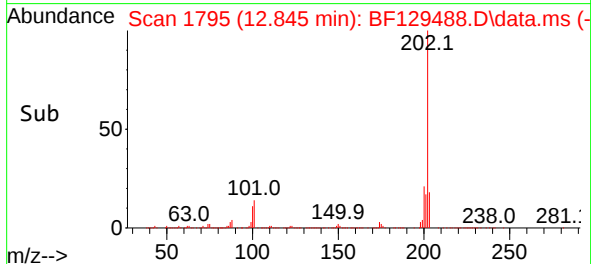
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



Tgt Ion:202 Resp: 402704
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.9 14.6 21.8

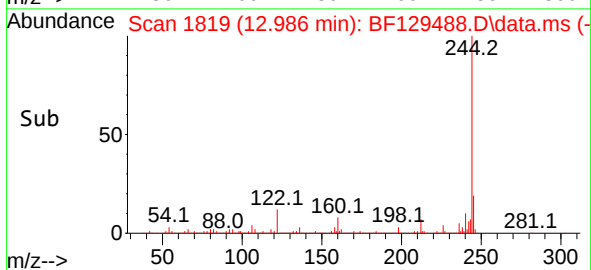
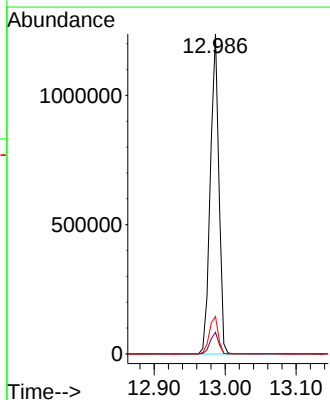
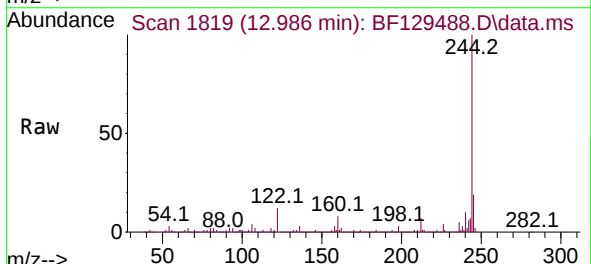
Manual Integrations
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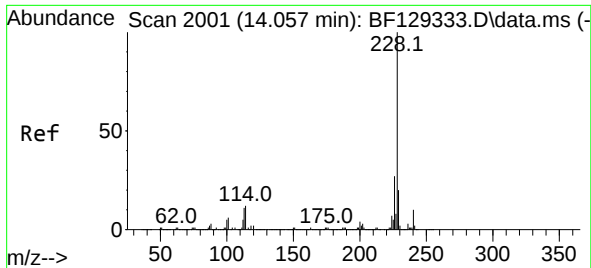
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#79
Terphenyl-d14
Concen: 60.505 ng
RT: 12.986 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

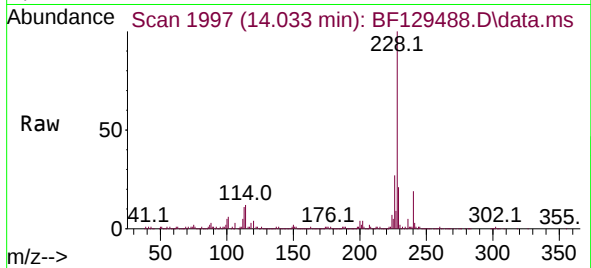
Tgt Ion:244 Resp: 1030287
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 11.7 8.8 13.2





#81
Benzo(a)anthracene
Concen: 10.347 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

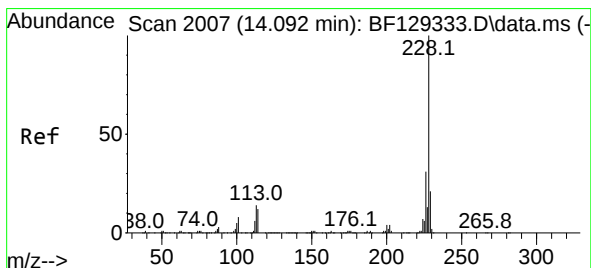
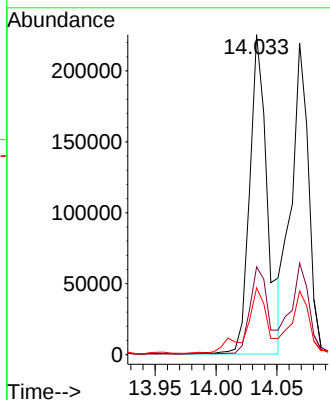
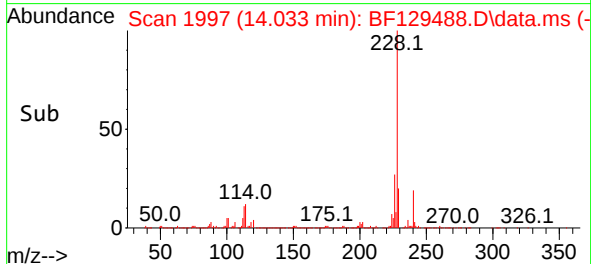
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



Tgt Ion:228 Resp: 227052
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 20.9 15.8 23.8

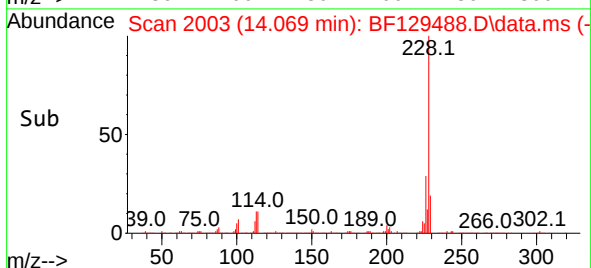
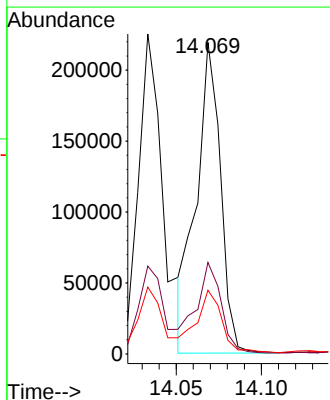
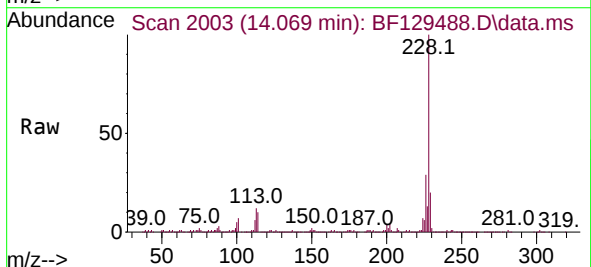
Manual Integrations
APPROVED

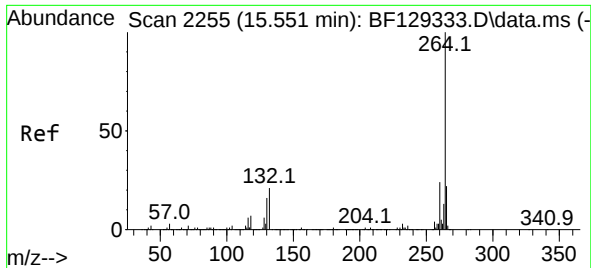
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#83
Chrysene
Concen: 10.482 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

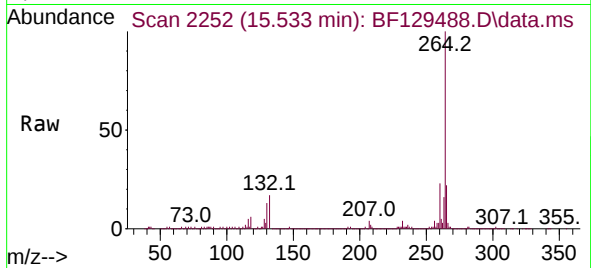
Tgt Ion:228 Resp: 216782
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 20.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

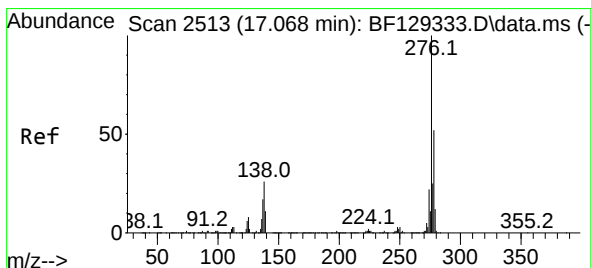
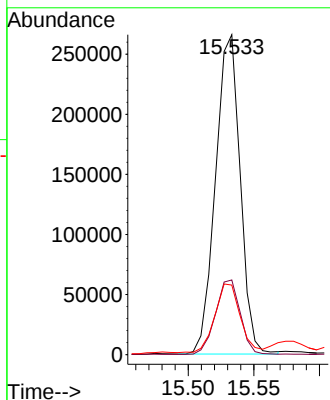
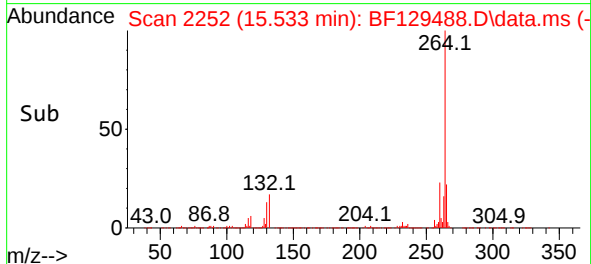
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



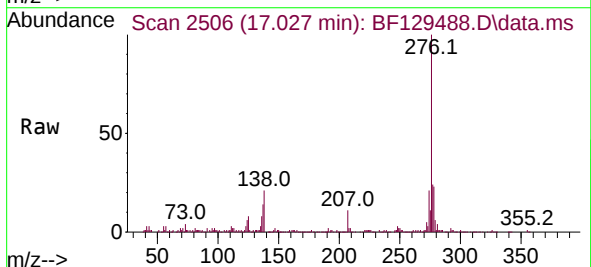
Tgt Ion:264 Resp: 349066
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 21.7 17.2 25.8

Manual Integrations
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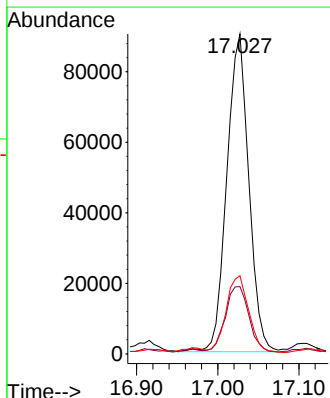
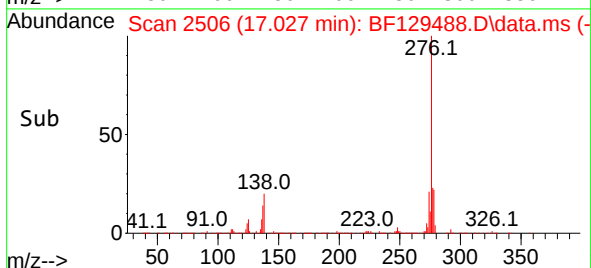
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

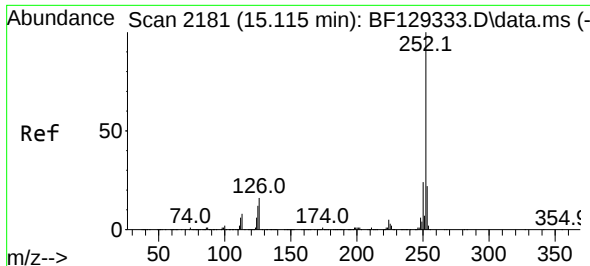


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.219 ng
RT: 17.027 min Scan# 2506
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06



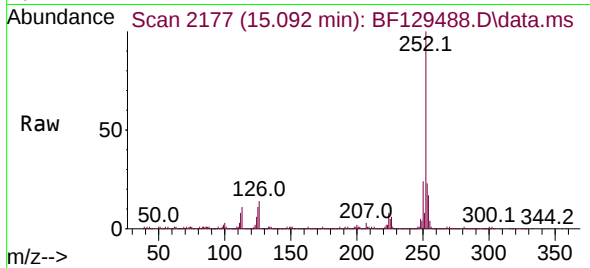
Tgt Ion:276 Resp: 169688
Ion Ratio Lower Upper
276 100
138 22.2 21.1 31.7
277 24.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 16.453 ng m
RT: 15.092 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

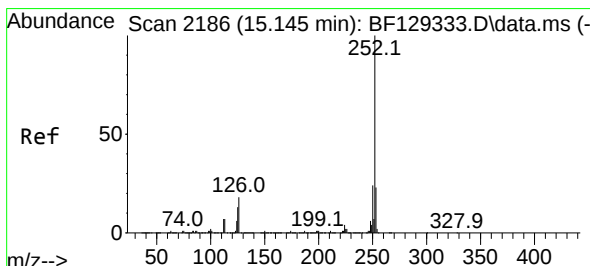
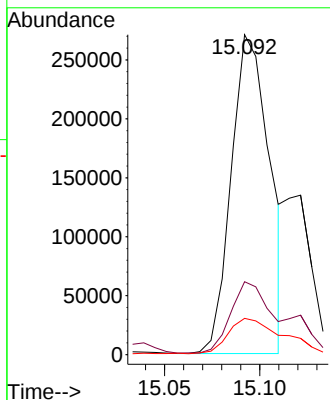
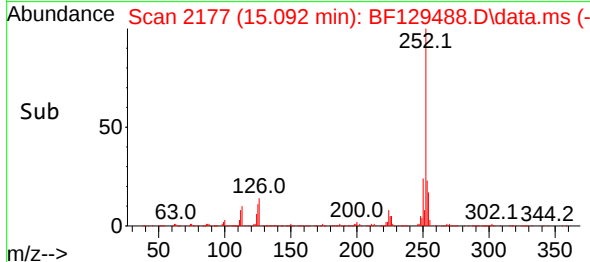
Instrument :
BNA_F
ClientSampleId :
RO-72-11940



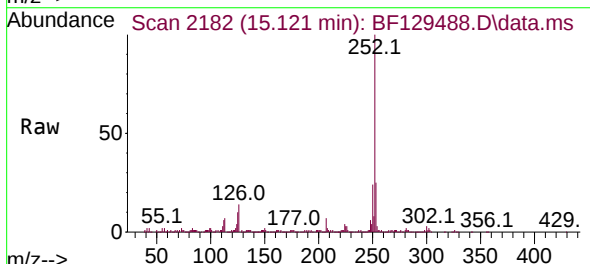
Tgt Ion:252 Resp: 380965
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.3 8.0 12.0

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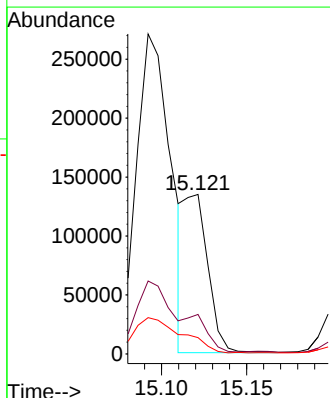
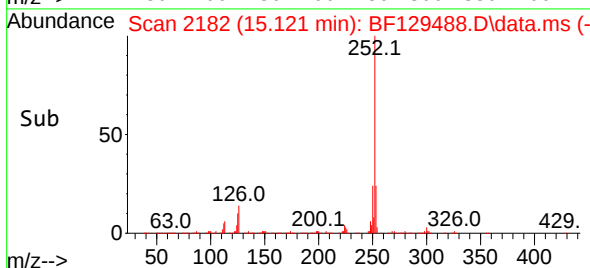
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

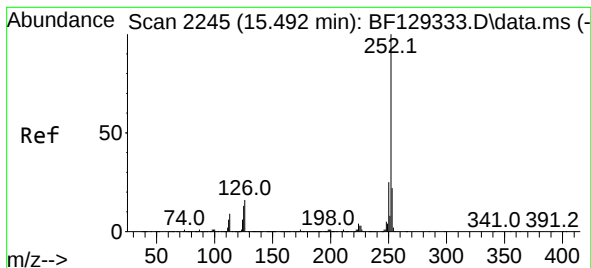


#89
Benzo(k)fluoranthene
Concen: 5.681 ng m
RT: 15.121 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06



Tgt Ion:252 Resp: 128902
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 10.2 8.3 12.5





#90

Benzo(a)pyrene

Concen: 13.447 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

Instrument :

BNA_F

ClientSampleId :

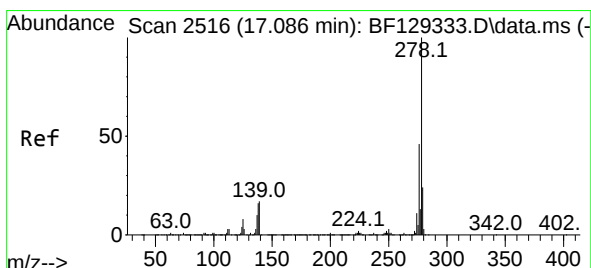
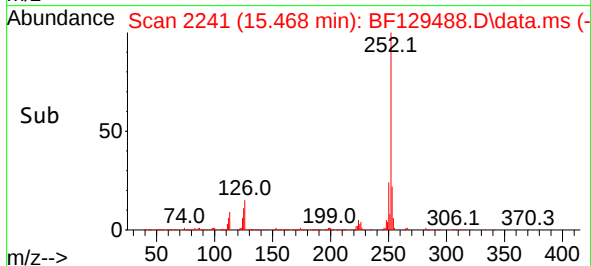
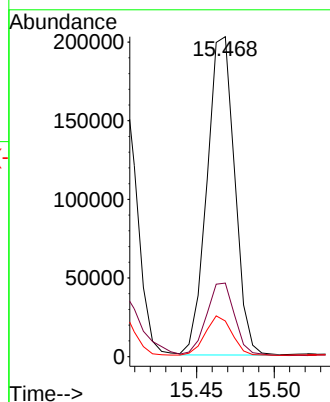
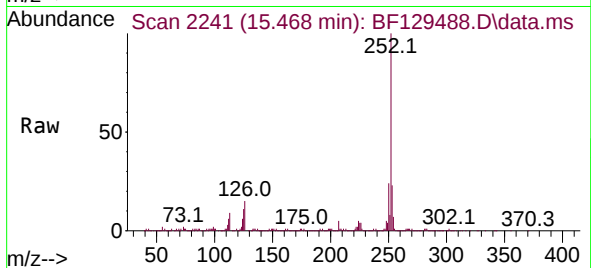
RO-72-11940

Tgt Ion:	252	Resp:	252749
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	11.1	8.8	13.2

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.512 ng m

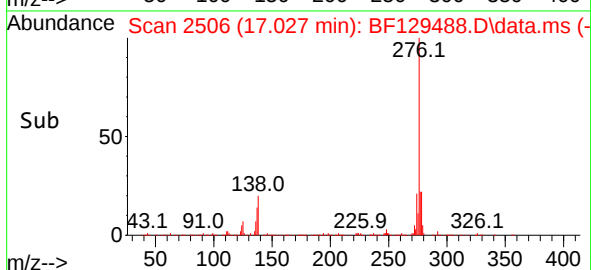
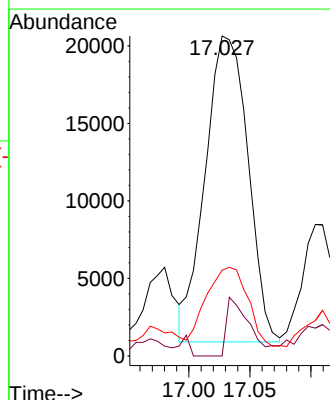
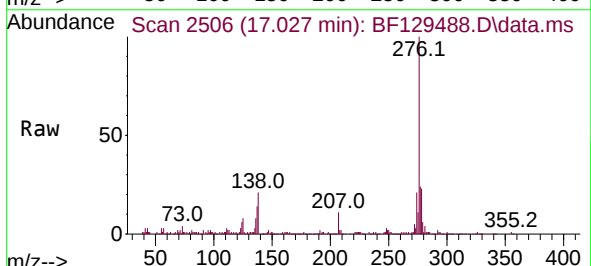
RT: 17.027 min Scan# 2506

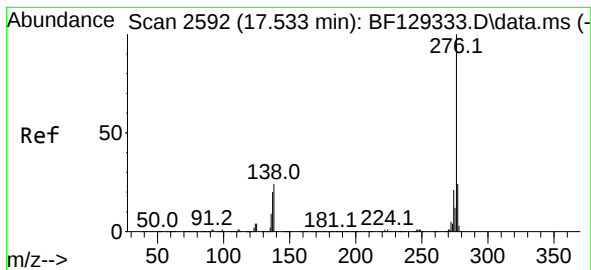
Delta R.T. -0.018 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

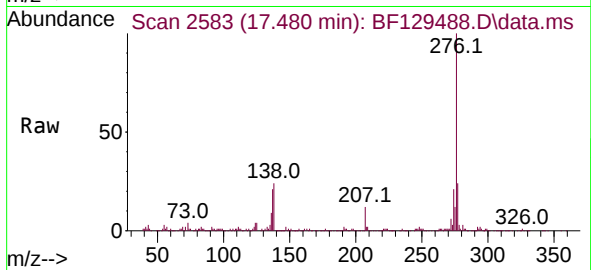
Tgt Ion:	278	Resp:	48054
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.8	19.2#
279	26.8	18.6	28.0





#92
 Benzo(g,h,i)perylene
 Concen: 9.358 ng
 RT: 17.480 min Scan# 2583
 Delta R.T. -0.012 min
 Lab File: BF129488.D
 Acq: 01 Aug 2022 23:06

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11940



Tgt Ion:276 Resp: 182944
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.1 28.7
 138 23.6 18.0 27.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022

