

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070722\
 Data File : BF129171.D
 Acq On : 07 Jul 2022 21:38
 Operator : CG\JU
 Sample : N3605-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/08/2022
 Supervised By : Jagrut Upadhyay 07/08/2022

Quant Time: Jul 08 01:57:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	180623	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	582739	20.000	ng	-0.01
39) Acenaphthene-d10	9.998	164	263735	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	511110	20.000	ng	#-0.01
76) Chrysene-d12	14.145	240	371026	20.000	ng	0.00
86) Perylene-d12	15.674	264	280539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1347730	126.148	ng	-0.01
7) Phenol-d6	6.575	99	1264763	95.318	ng	-0.01
23) Nitrobenzene-d5	7.516	82	768303	78.640	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	341776	119.180	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1350843	81.941	ng	-0.01
79) Terphenyl-d14	13.080	244	1733212	97.008	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.857	152	93801	4.216	ng	98
58) Fluorene	10.545	166	35985	2.205	ng	98
71) Phenanthrene	11.510	178	542230	22.204	ng	99
72) Anthracene	11.563	178	193763	8.048	ng	97
75) Fluoranthene	12.710	202	1529698	59.895	ng	99
78) Pyrene	12.945	202	1335195	51.917	ng	98
81) Benzo(a)anthracene	14.133	228	664776	29.344	ng	96
83) Chrysene	14.168	228	562277	26.735	ng	97
87) Indeno(1,2,3-cd)pyrene	17.233	276	276223	16.054	ng	# 94
88) Benzo(b)fluoranthene	15.221	252	666570m	39.508	ng	
89) Benzo(k)fluoranthene	15.245	252	200703m	12.265	ng	
90) Benzo(a)pyrene	15.610	252	436953	31.770	ng	95
91) Dibenzo(a,h)anthracene	17.245	278	70811	5.048	ng	# 78
92) Benzo(g,h,i)perylene	17.715	276	265842	18.891	ng	98

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

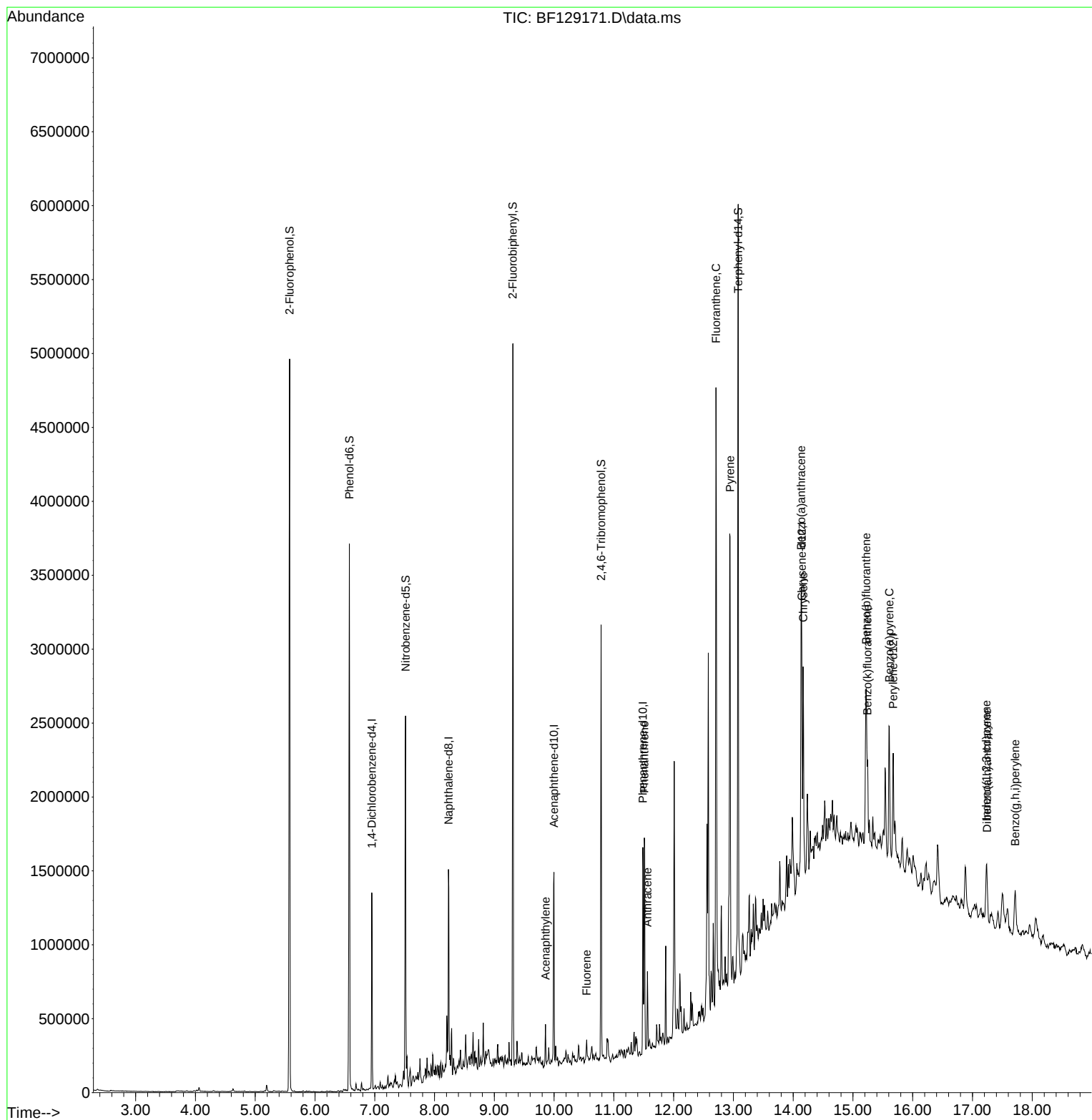
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070722\
Data File : BF129171.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 29 17:05:31 2022
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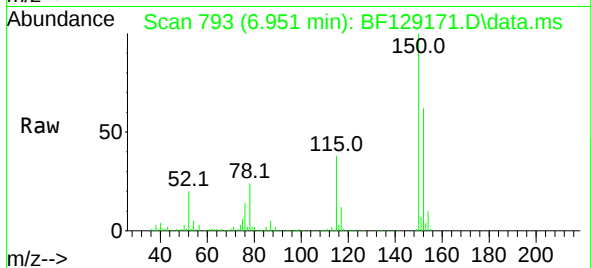
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

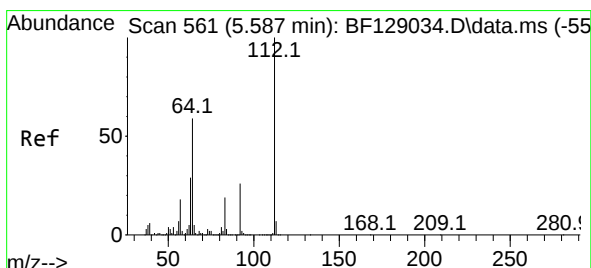
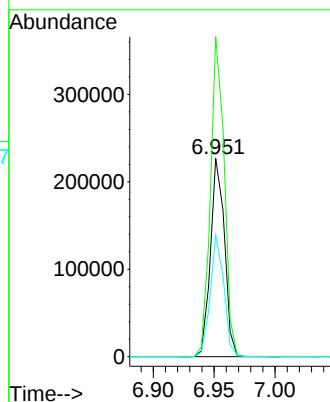
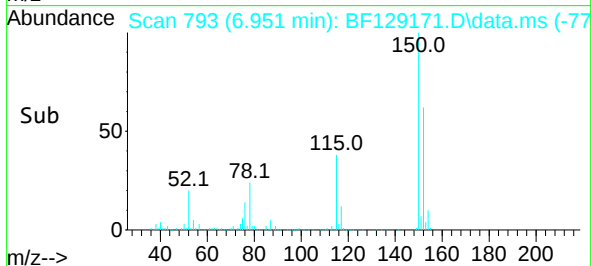
Instrument :
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OE-3-070622



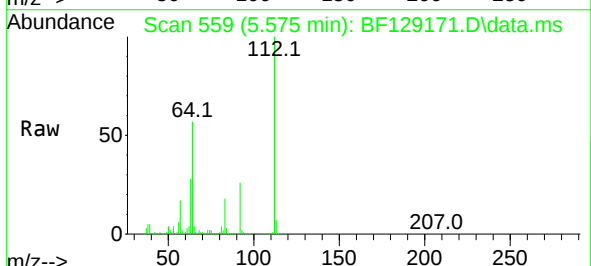
Tgt Ion:152 Resp: 180623
Ion Ratio Lower Upper
152 100
150 161.4 123.7 185.5
115 61.3 49.9 74.9

Manual Integrations
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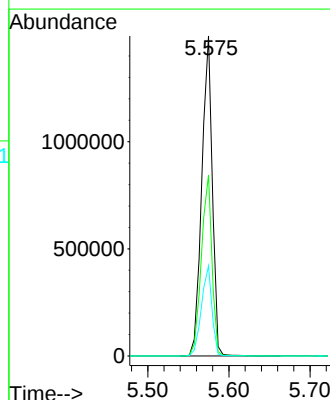
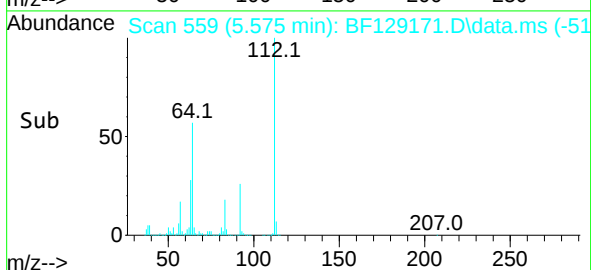
Reviewed By :Christian Giraldo 07/08/2022
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#5
2-Fluorophenol
Concen: 126.148 ng
RT: 5.575 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38



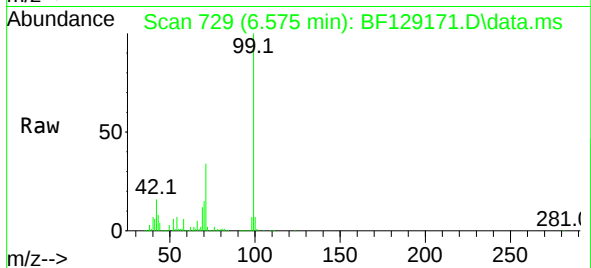
Tgt Ion:112 Resp: 1347730
Ion Ratio Lower Upper
112 100
64 56.6 53.3 79.9
63 28.1 28.0 42.0





#7
Phenol-d6
Concen: 95.318 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

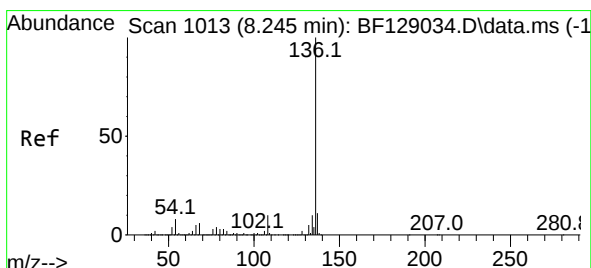
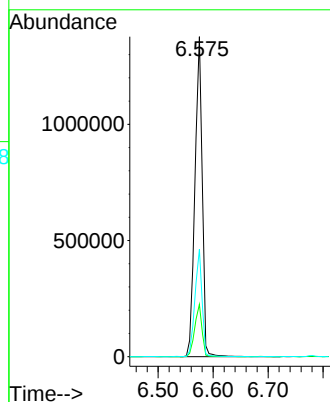
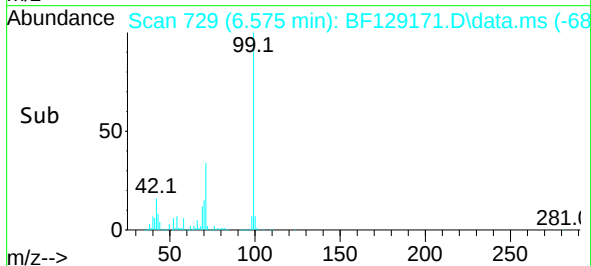
Instrument :
BNA_F
ClientSampleId :
OE-3-070622



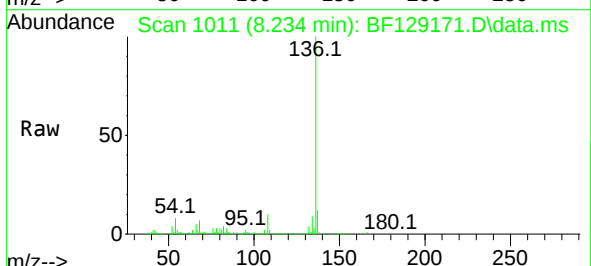
Tgt Ion: 99 Resp: 126476
Ion Ratio Lower Upper
99 100
42 16.3 17.3 25.9
71 33.5 28.9 43.3

Manual Integrations
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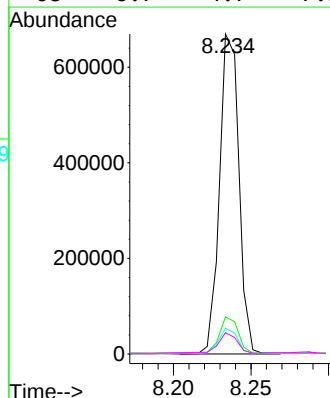
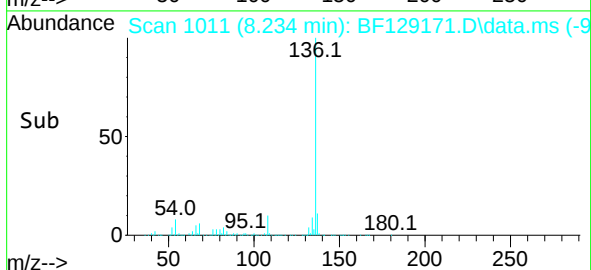
Reviewed By :Christian Giraldo 07/08/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.011 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38



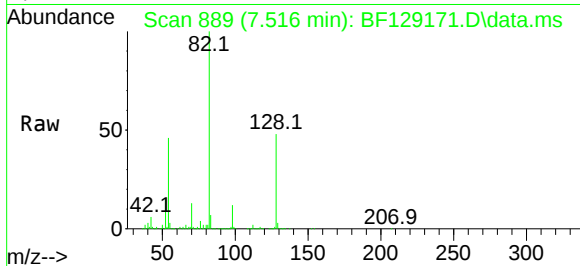
Tgt Ion:136 Resp: 582739
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.1 7.5 11.3
68 6.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 78.640 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

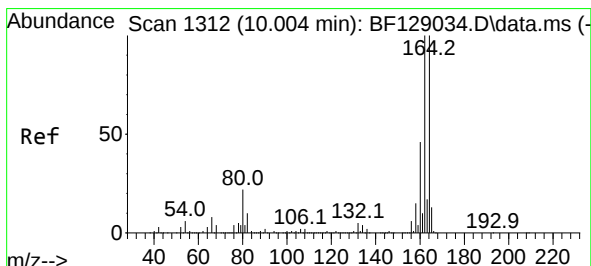
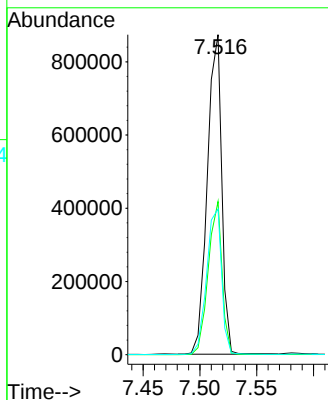
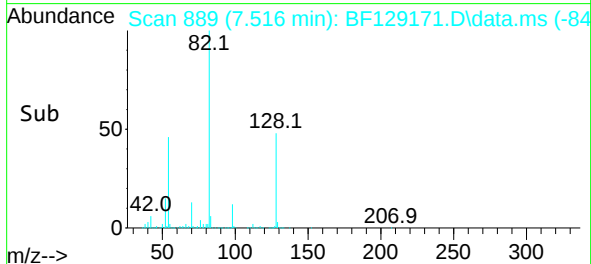
Instrument :
BNA_F
ClientSampleId :
OE-3-070622



Tgt Ion: 82 Resp: 76830
Ion Ratio Lower Upper
82 100
128 47.9 34.0 51.0
54 45.5 46.9 70.3

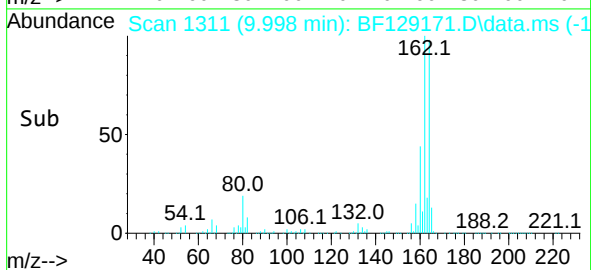
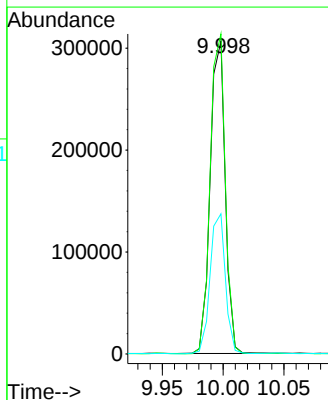
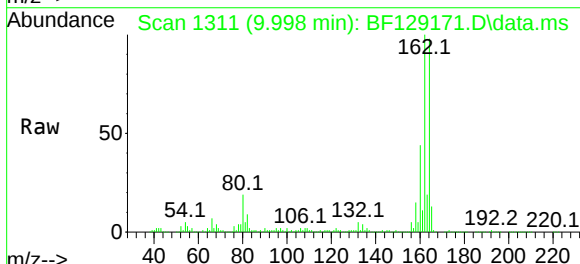
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:164 Resp: 263735
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.8 34.2 51.4





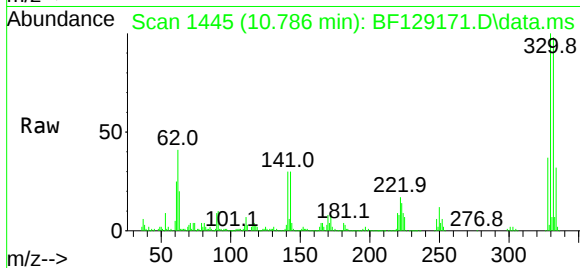
#42
2,4,6-Tribromophenol
Concen: 119.180 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

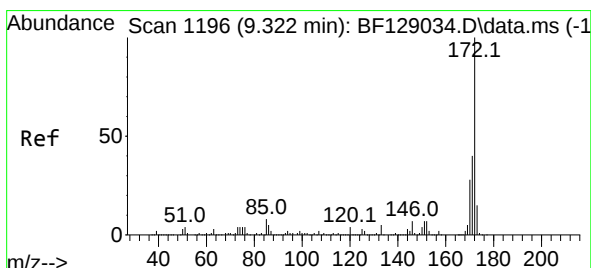
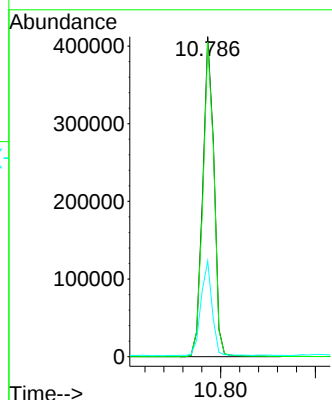
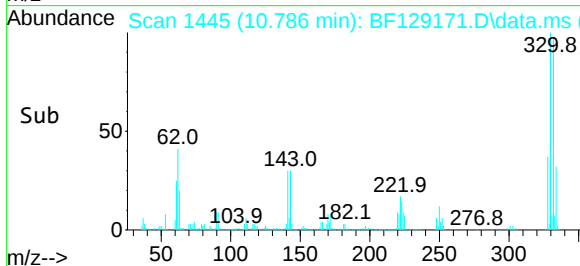


Tgt Ion:330 Resp: 341770
Ion Ratio Lower Upper
330 100
332 97.6 76.8 115.2
141 29.6 28.0 42.0

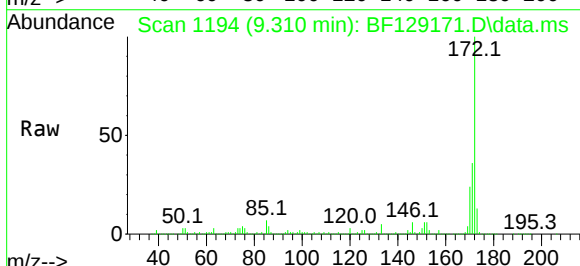
Manual Integrations

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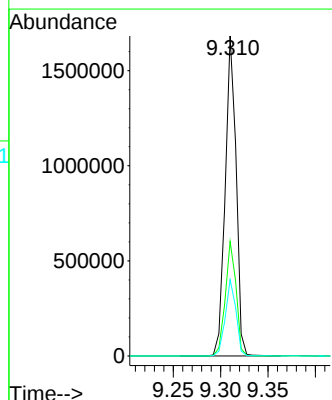
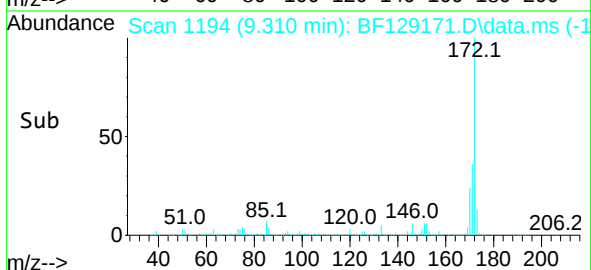
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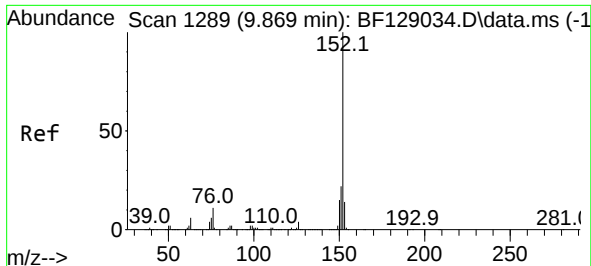


#45
2-Fluorobiphenyl
Concen: 81.941 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38



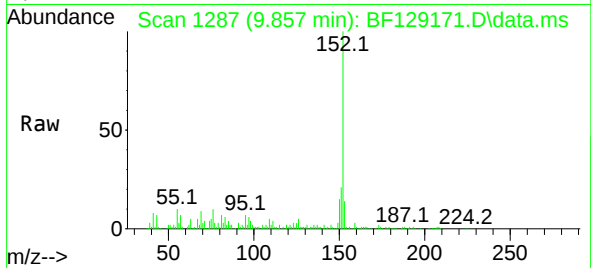
Tgt Ion:172 Resp: 1350843
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.9 19.8 29.8





#49
Acenaphthylene
Concen: 4.216 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

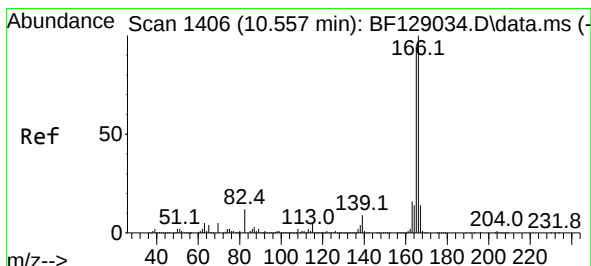
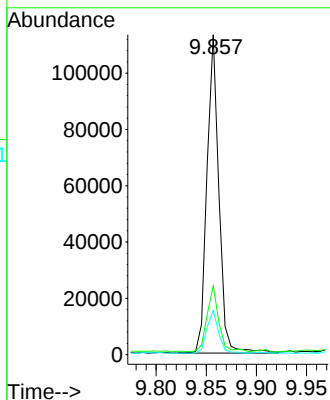
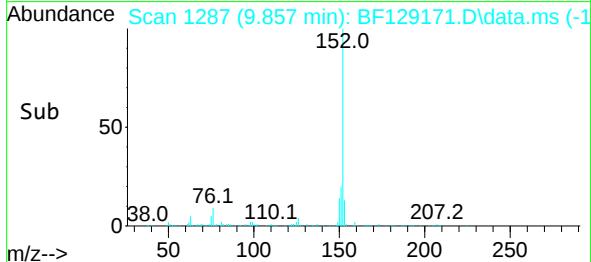
Instrument :
BNA_F
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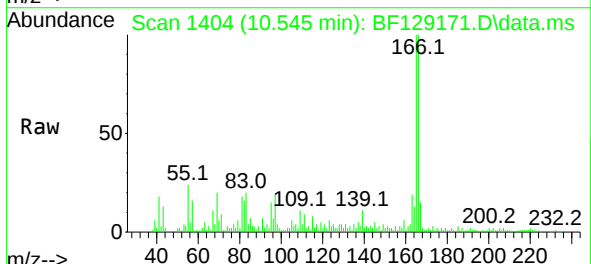
Tgt Ion:152 Resp: 9380
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.4
153 13.9 10.7 16.1

Manual Integrations
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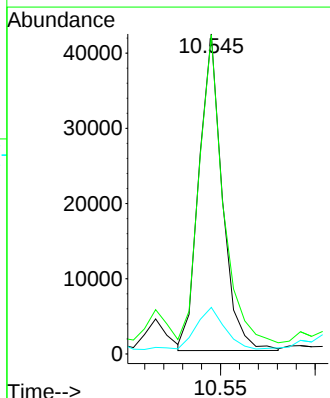
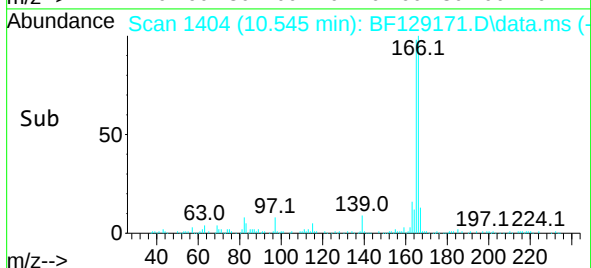
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022

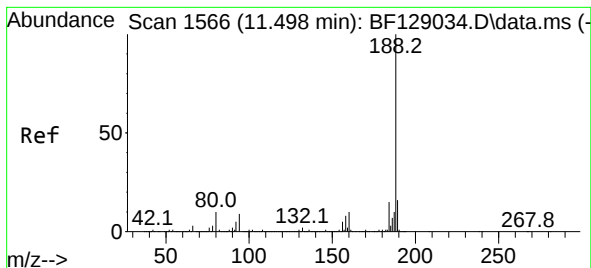


#58
Fluorene
Concen: 2.205 ng
RT: 10.545 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38



Tgt Ion:166 Resp: 35985
Ion Ratio Lower Upper
166 100
165 99.8 78.1 117.1
167 14.6 10.5 15.7





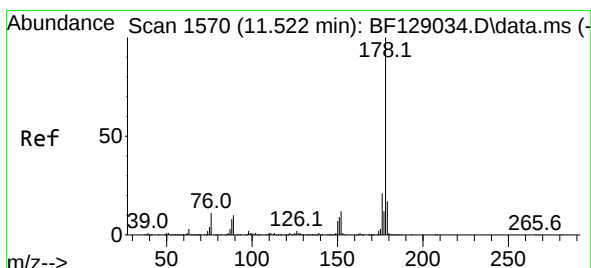
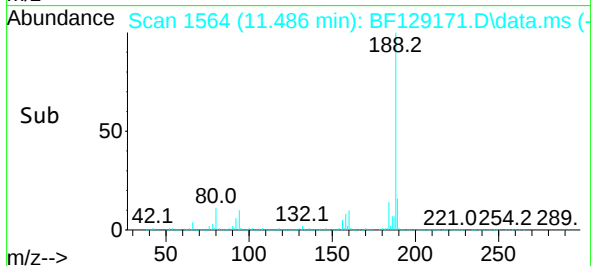
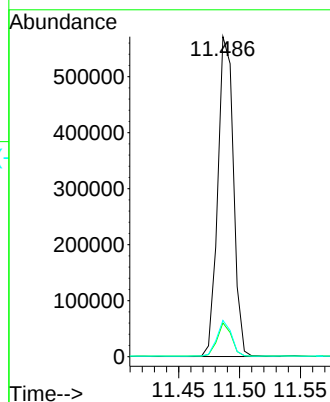
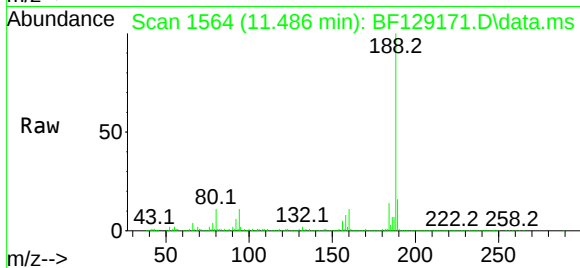
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Instrument :
BNA_F
ClientSampleId :
OE-3-070622

Tgt Ion:188 Resp: 511110
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6
80 11.3 7.6 11.4

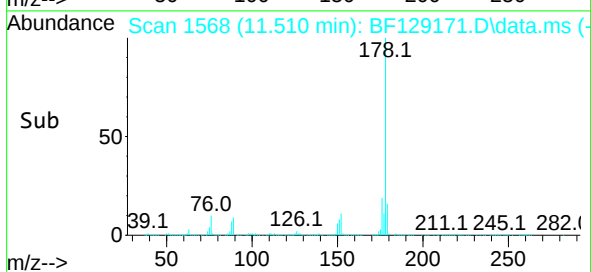
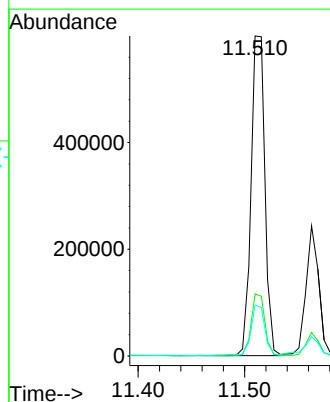
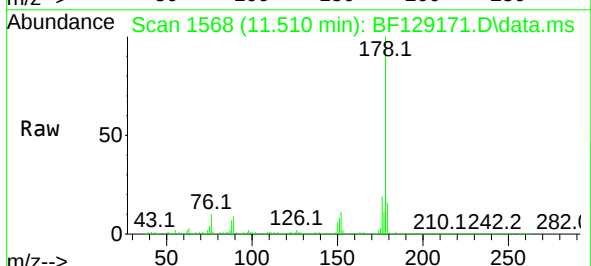
Manual Integrations
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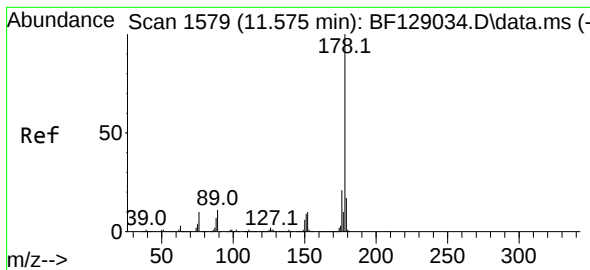
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#71
Phenanthrene
Concen: 22.204 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:178 Resp: 542230
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 12.6 19.0





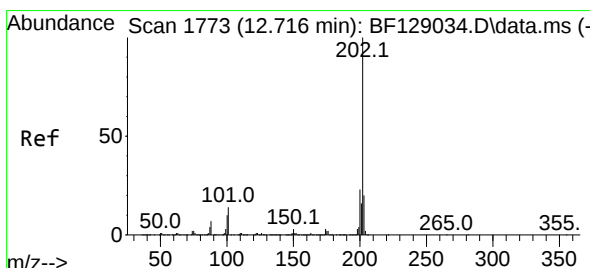
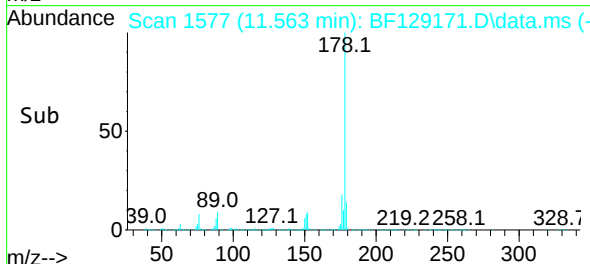
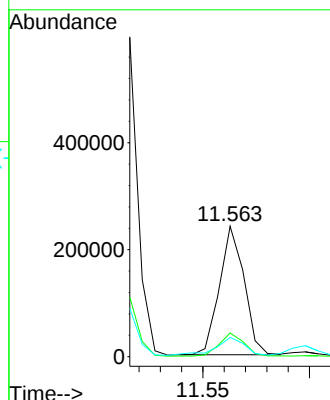
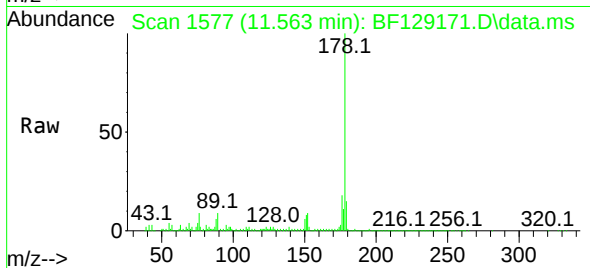
#72
 Anthracene
 Concen: 8.048 ng
 RT: 11.563 min Scan# 1157
 Delta R.T. -0.012 min
 Lab File: BF129171.D
 Acq: 07 Jul 2022 21:38

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622

Tgt Ion:178 Resp: 19376
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 14.7 12.6 19.0

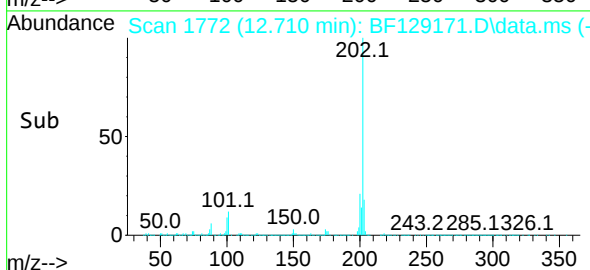
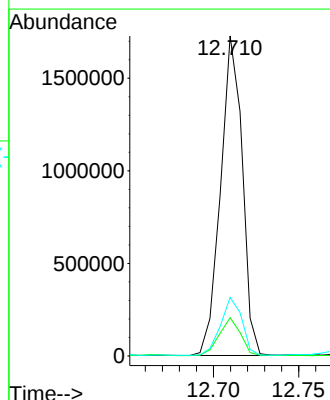
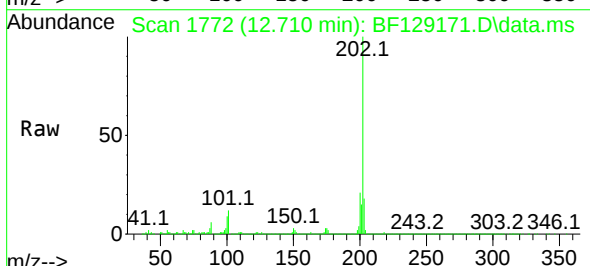
Manual Integrations
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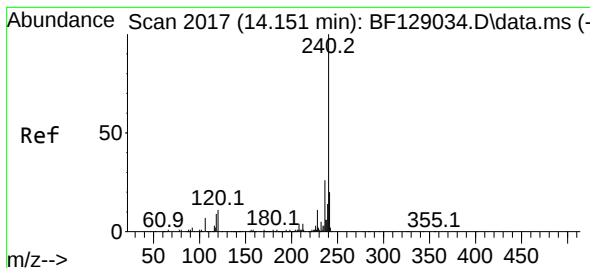
Reviewed By :Christian Giraldo 07/08/2022
 Supervised By :Jagrut Upadhyay 07/08/2022



#75
 Fluoranthene
 Concen: 59.895 ng
 RT: 12.710 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF129171.D
 Acq: 07 Jul 2022 21:38

Tgt Ion:202 Resp: 1529698
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.4
 203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

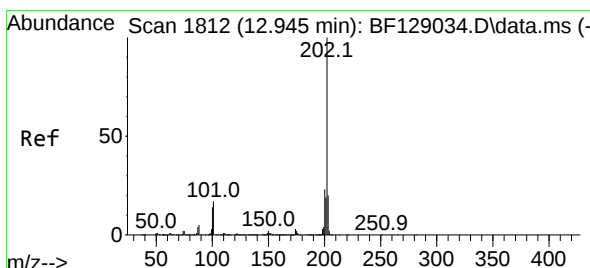
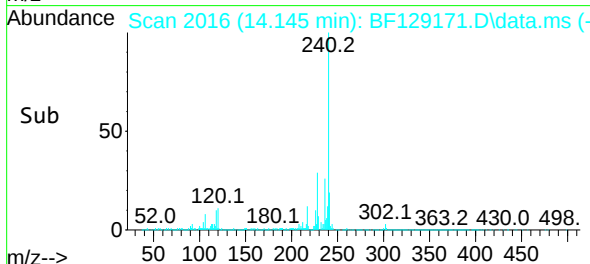
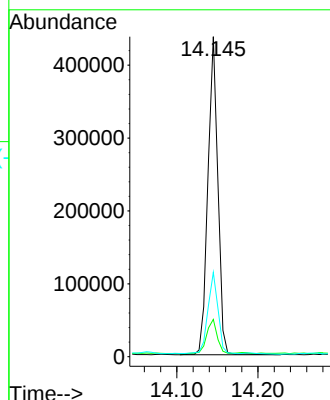
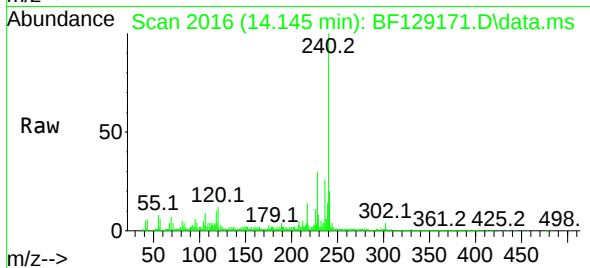
OE-3-070622

Tgt Ion:240 Resp: 371020
 Ion Ratio Lower Upper
 240 100
 120 11.7 8.9 13.3
 236 26.3 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/08/2022
 Supervised By :Jagrut Upadhyay 07/08/2022



#78

Pyrene

Concen: 51.917 ng

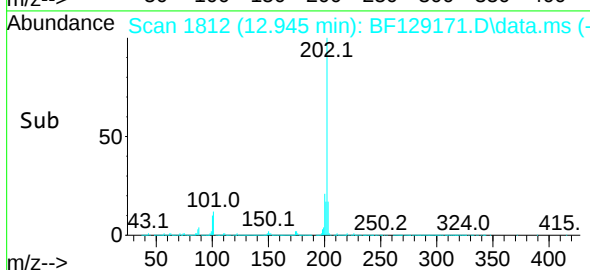
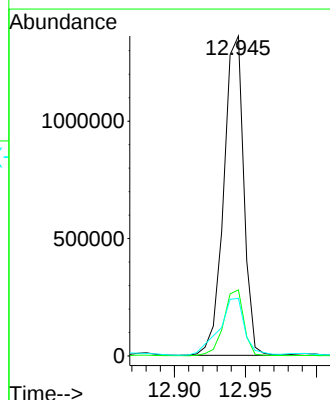
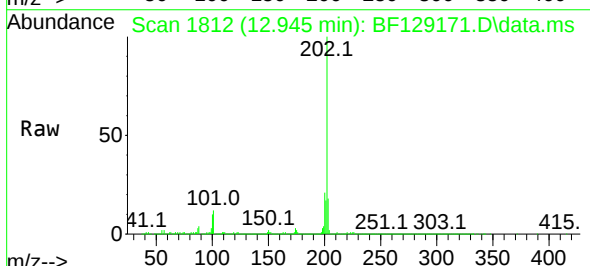
RT: 12.945 min Scan# 1812

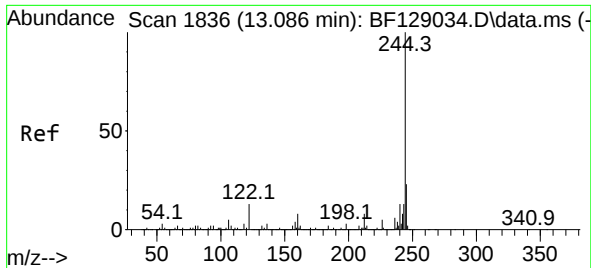
Delta R.T. -0.000 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Tgt Ion:202 Resp: 1335195
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.7 26.5
 203 18.0 14.6 21.8





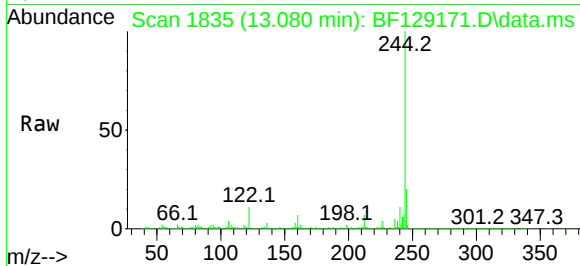
#79
Terphenyl-d14
Concen: 97.008 ng
RT: 13.080 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

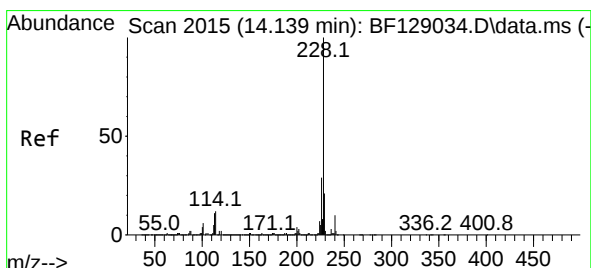
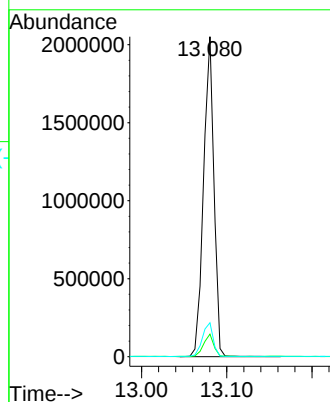
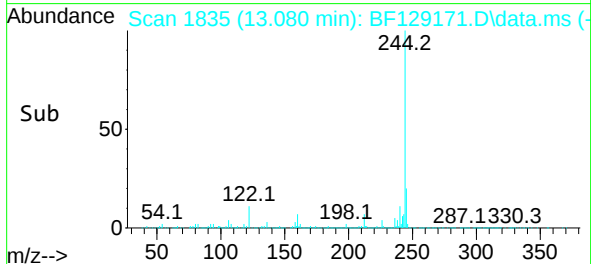


Tgt Ion:244 Resp: 173321
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 10.6 8.8 13.2

Manual Integrations

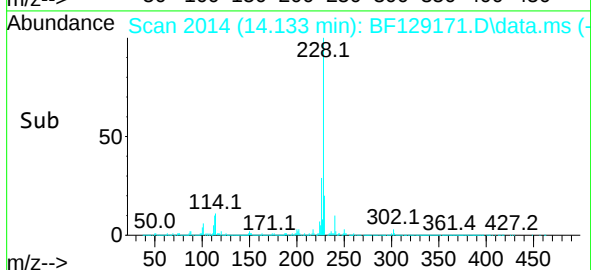
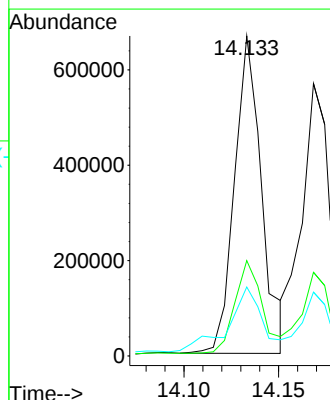
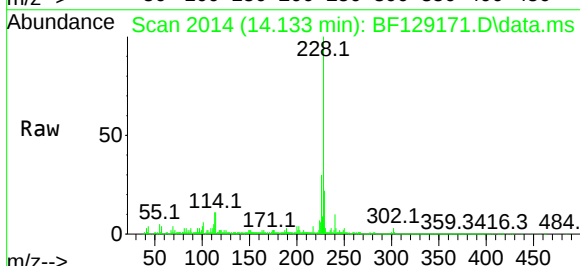
APPROVED

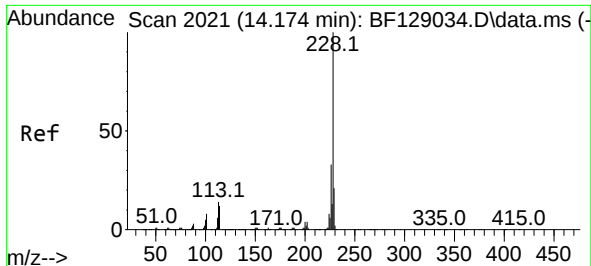
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#81
Benzo(a)anthracene
Concen: 29.344 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:228 Resp: 664776
Ion Ratio Lower Upper
228 100
226 29.8 22.1 33.1
229 21.5 15.8 23.8





#83
Chrysene
Concen: 26.735 ng
RT: 14.168 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

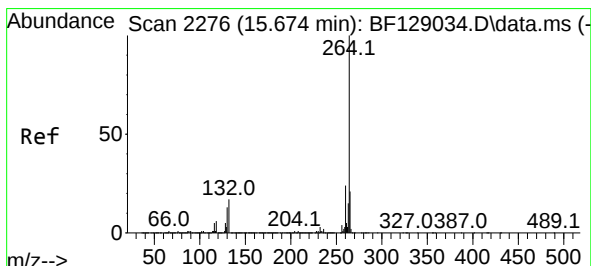
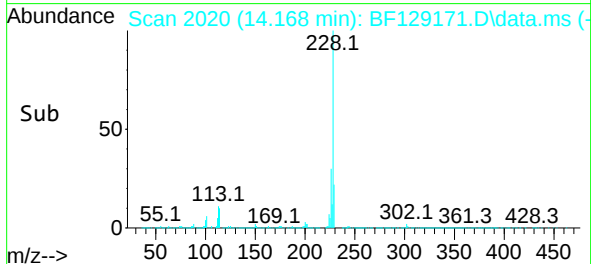
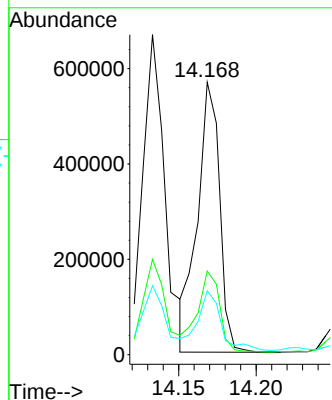
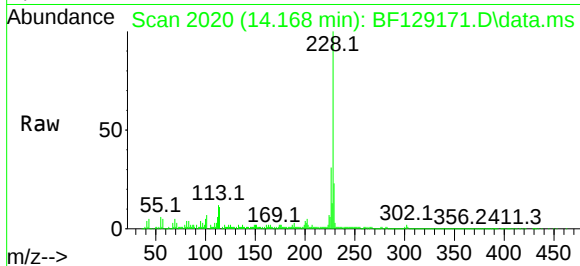
OE-3-070622

Tgt Ion:228 Resp: 56227
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 23.4 15.9 23.9

Manual Integrations

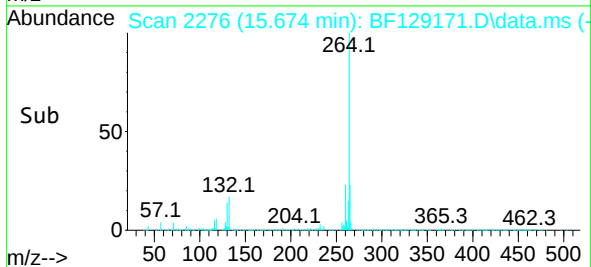
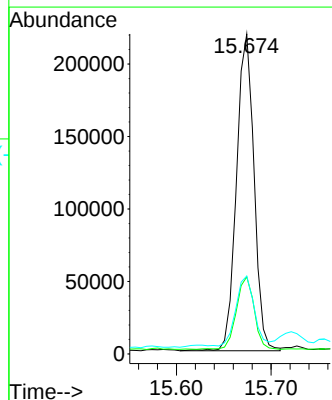
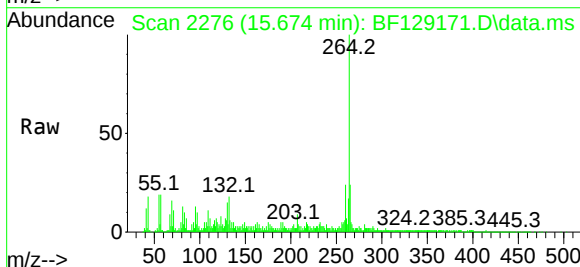
APPROVED

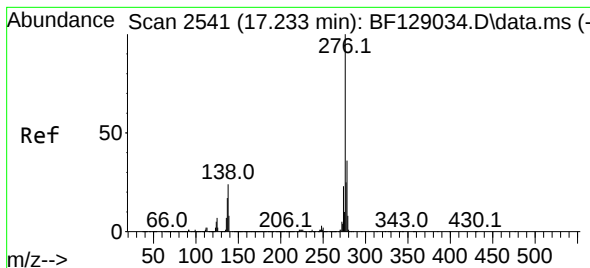
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:264 Resp: 280539
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 24.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.054 ng

RT: 17.233 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

Tgt Ion:276 Resp: 27622

Ion Ratio Lower Upper

276 100

138 21.0 21.1 31.7

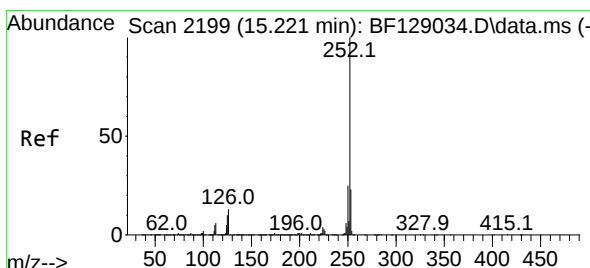
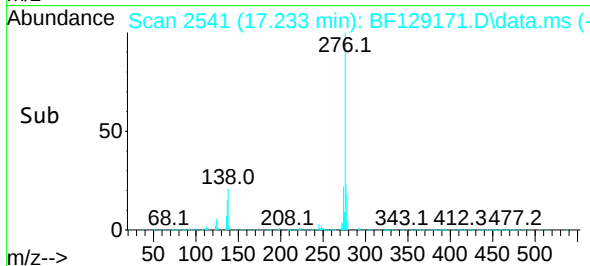
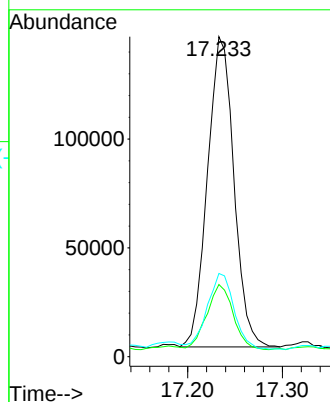
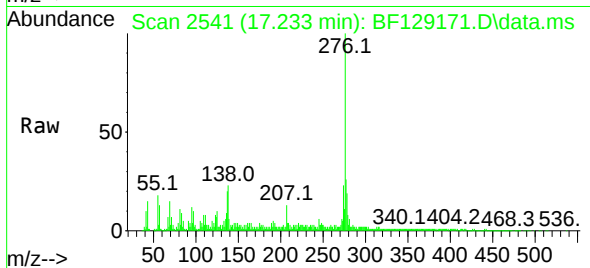
277 24.9 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#88

Benzo(b)fluoranthene

Concen: 39.508 ng m

RT: 15.221 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

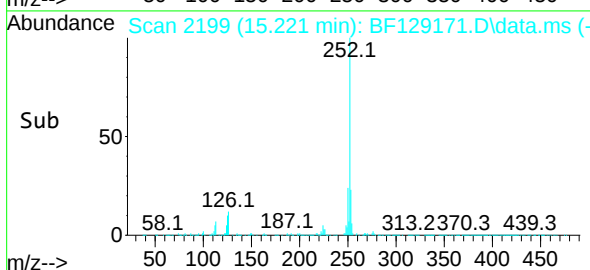
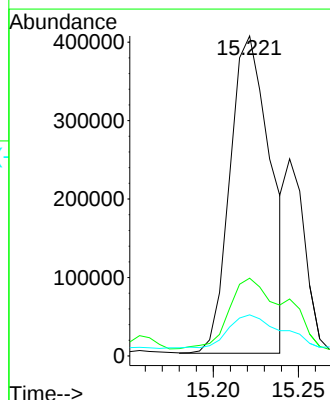
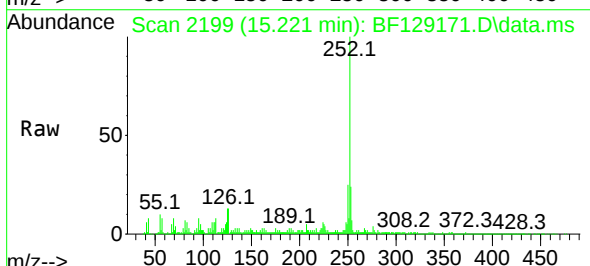
Tgt Ion:252 Resp: 666570

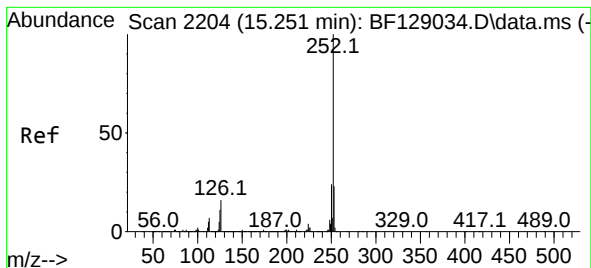
Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

125 12.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 12.265 ng m

RT: 15.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNF

ClientSampleId :

OE-3-070622

Tgt Ion:252 Resp: 200700

Ion Ratio Lower Upper

252 100

253 28.9 17.8 26.6

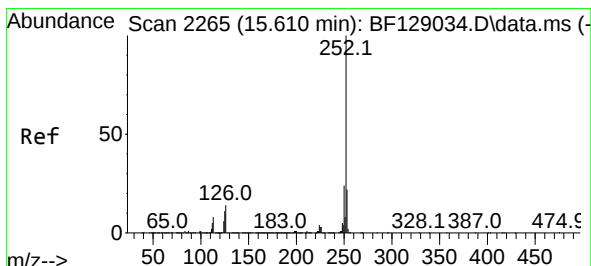
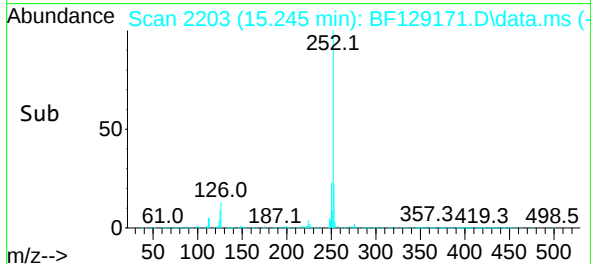
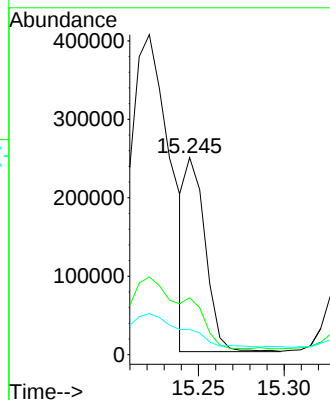
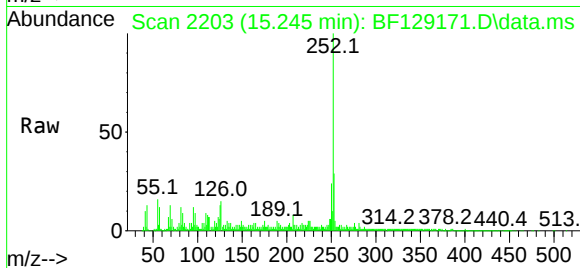
125 12.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#90

Benzo(a)pyrene

Concen: 31.770 ng

RT: 15.610 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

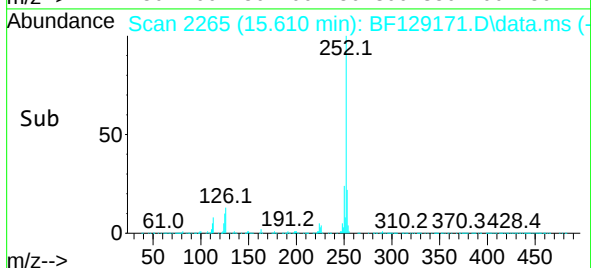
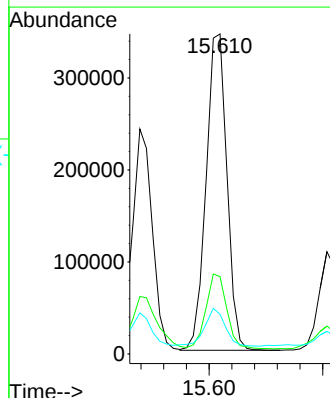
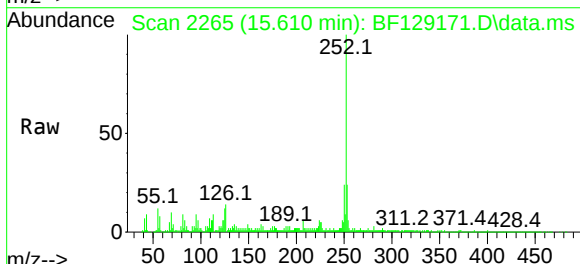
Tgt Ion:252 Resp: 436953

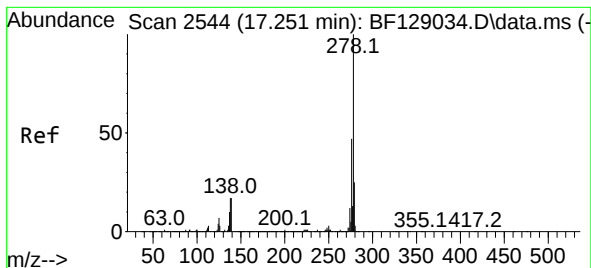
Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 12.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 5.048 ng

RT: 17.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

Tgt Ion:278 Resp: 7081

Ion Ratio Lower Upper

278 100

139 23.0 12.8 19.2

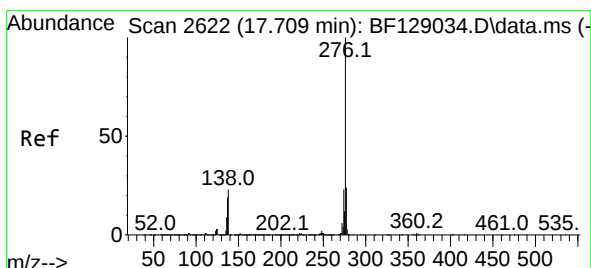
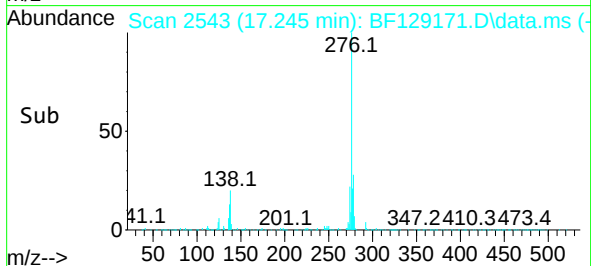
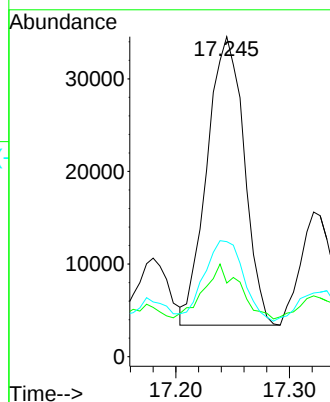
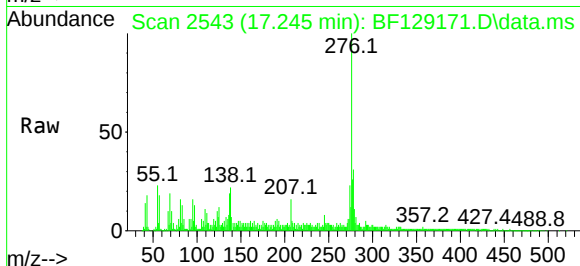
279 35.9 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#92

Benzo(g,h,i)perylene

Concen: 18.891 ng

RT: 17.715 min Scan# 2623

Delta R.T. 0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Tgt Ion:276 Resp: 265842

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 21.8 18.0 27.0

