

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129524.D
 Acq On : 03 Aug 2022 00:19
 Operator : CG\JU
 Sample : N3989-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-04-080122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/03/2022

Quant Time: Aug 03 01:48:49 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	144799	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	515026	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	226714	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	352139	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	238362	20.000	ng	0.00
86) Perylene-d12	15.545	264	177179	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	574880	64.674	ng	0.00
7) Phenol-d6	6.522	99	686024	61.402	ng	0.00
23) Nitrobenzene-d5	7.439	82	412273	43.698	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	124030	56.903	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	675302	46.078	ng	0.00
79) Terphenyl-d14	12.986	244	598595	47.377	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	144120	7.498	ng	96
72) Anthracene	11.480	178	58126	3.077	ng	97
75) Fluoranthene	12.621	202	250490	12.861	ng	97
78) Pyrene	12.851	202	322787	16.194	ng	98
81) Benzo(a)anthracene	14.039	228	101624	6.241	ng	97
83) Chrysene	14.074	228	86057	5.608	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	31563	2.645	ng	94
88) Benzo(b)fluoranthene	15.104	252	74207m	6.314	ng	
90) Benzo(a)pyrene	15.474	252	67273	7.051	ng	# 91
92) Benzo(g,h,i)perylene	17.509	276	42693	4.302	ng	94

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

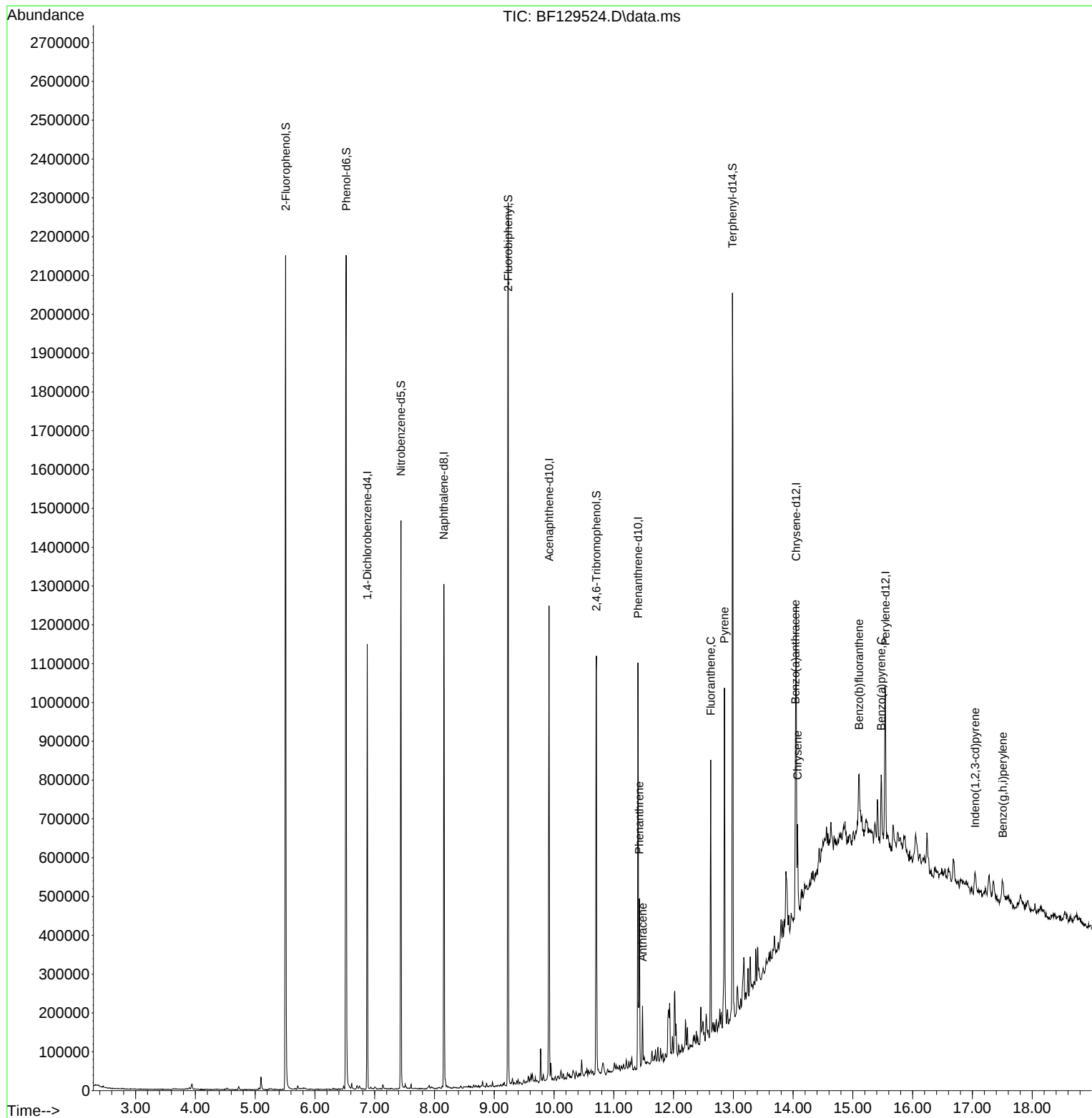
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
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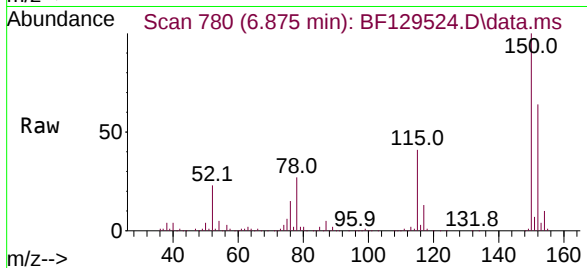
Quant Time: Aug 03 01:48:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

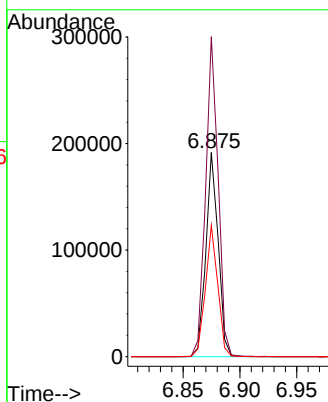
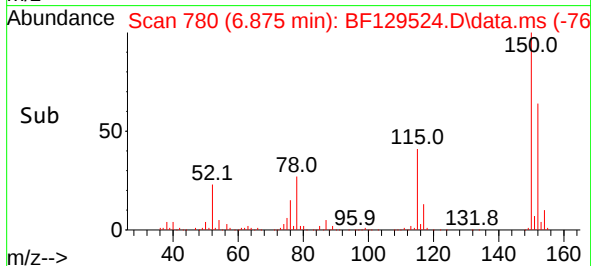
Instrument :
BNA_F
ClientSampleId :
OK-04-080122



Tgt Ion:152 Resp: 144799
Ion Ratio Lower Upper
152 100
150 156.9 123.7 185.5
115 64.3 49.9 74.9

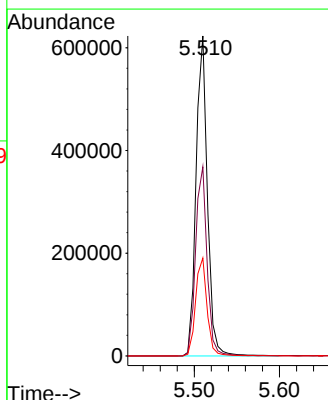
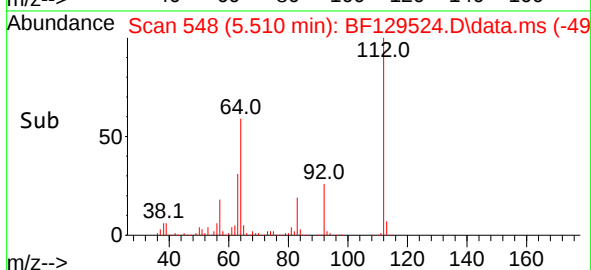
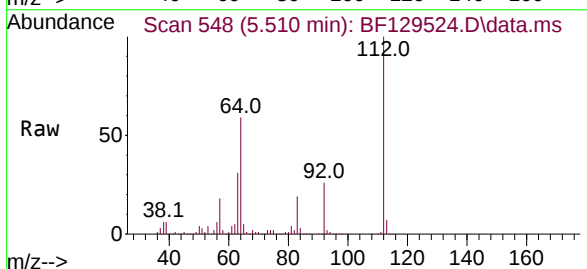
Manual Integrations
APPROVED

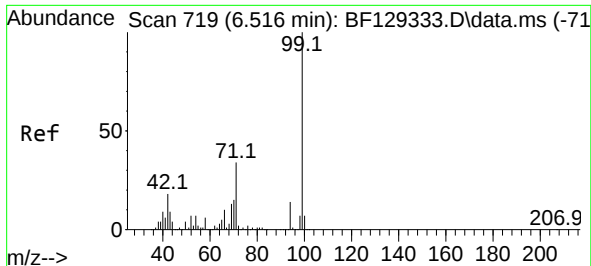
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#5
2-Fluorophenol
Concen: 64.674 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

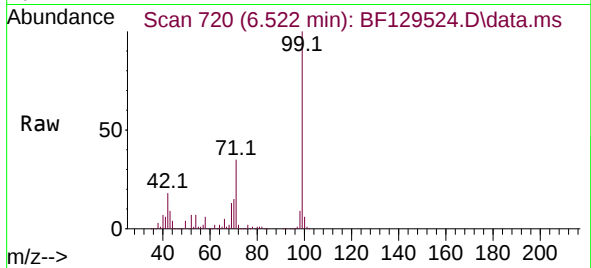
Tgt Ion:112 Resp: 574880
Ion Ratio Lower Upper
112 100
64 59.1 53.3 79.9
63 30.6 28.0 42.0





#7
Phenol-d6
Concen: 61.402 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

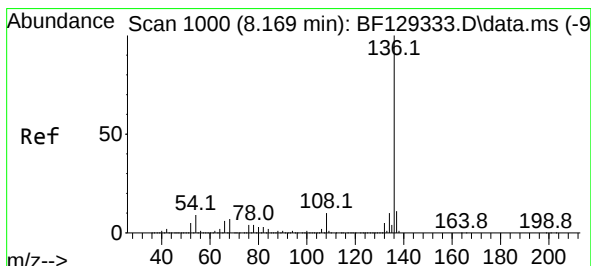
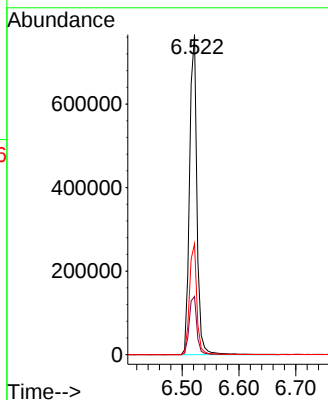
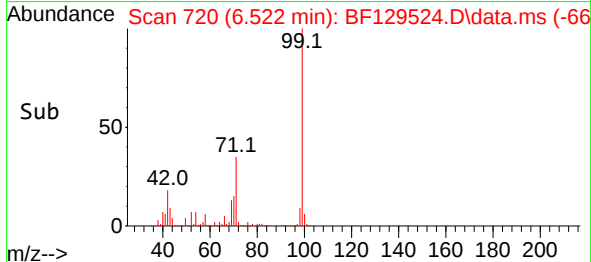
Instrument :
BNA_F
ClientSampleId :
OK-04-080122



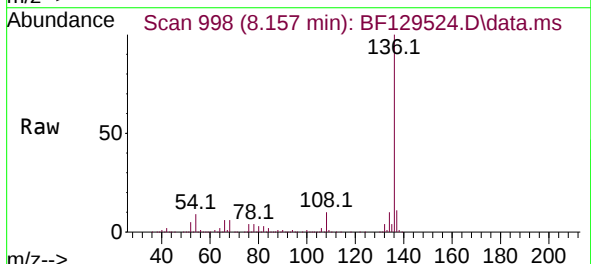
Tgt Ion: 99 Resp: 686024
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 34.6 28.9 43.3

Manual Integrations
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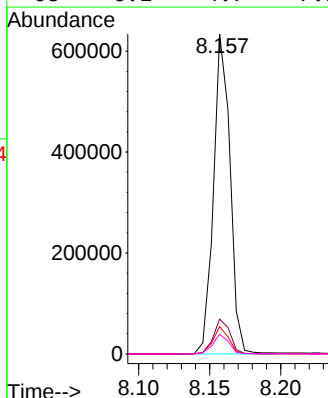
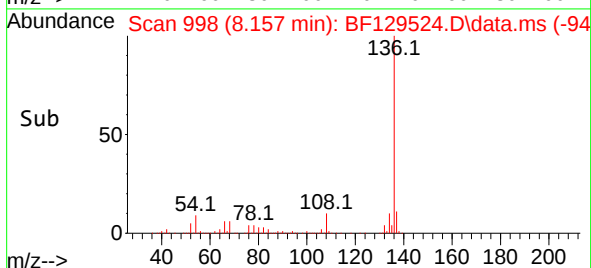
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19



Tgt Ion:136 Resp: 515026
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 7.5 11.3
68 6.1 4.7 7.1





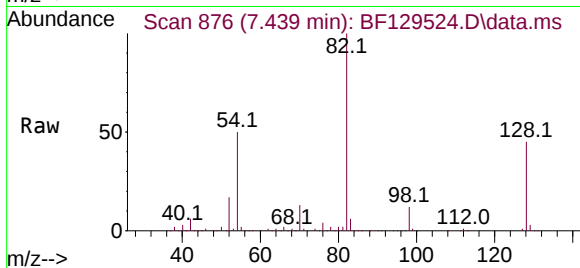
#23
Nitrobenzene-d5
Concen: 43.698 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

ClientSampleId :

OK-04-080122

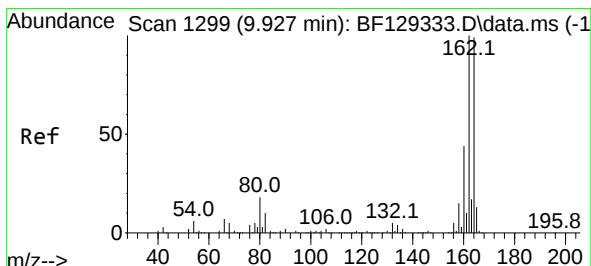
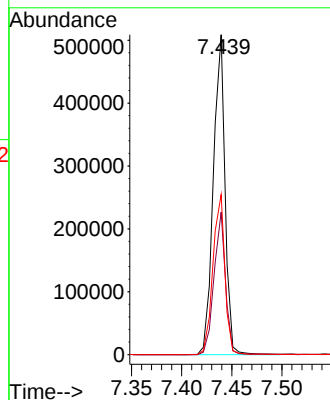
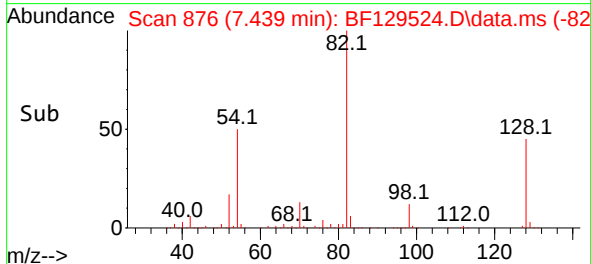


Tgt Ion: 82 Resp: 412273
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 50.0 46.9 70.3

Manual Integrations

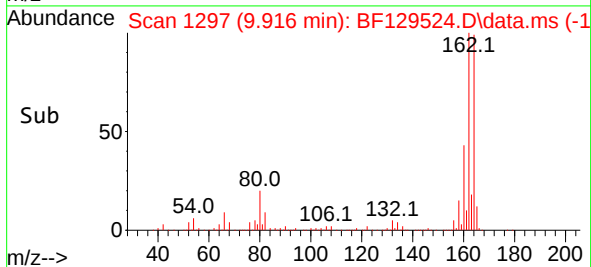
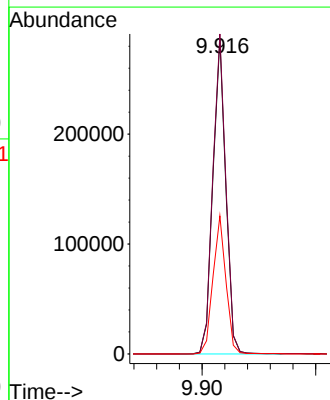
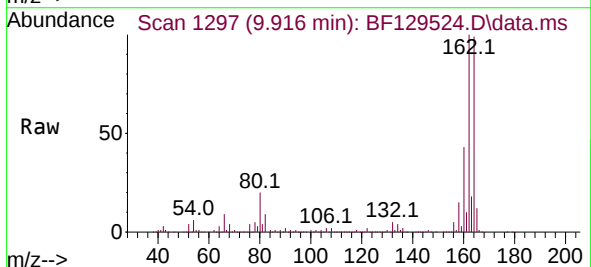
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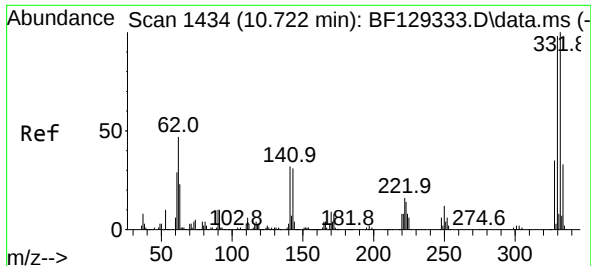
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Tgt Ion:164 Resp: 226714
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 43.7 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 56.903 ng
RT: 10.710 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

ClientSampleId :

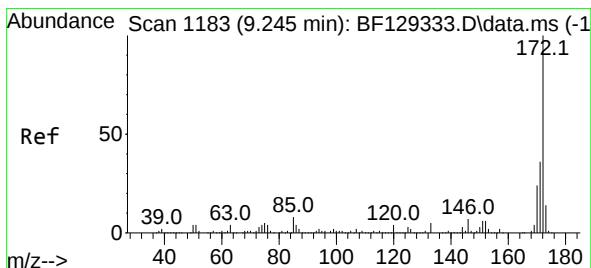
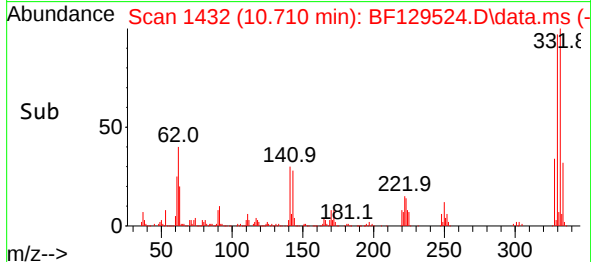
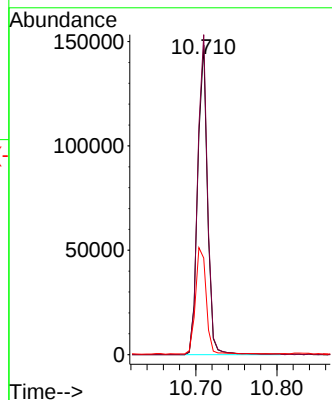
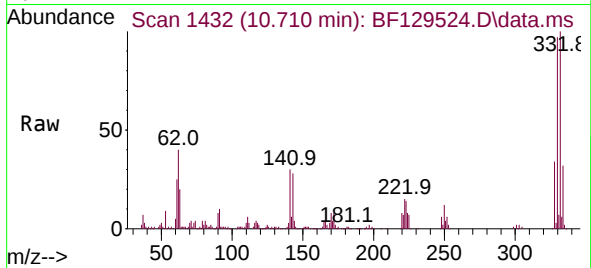
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Tgt Ion:330 Resp: 124030
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 37.7 28.0 42.0

Manual Integrations

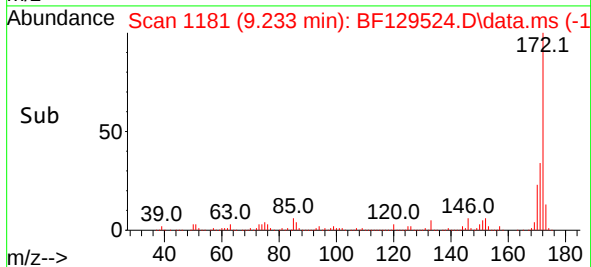
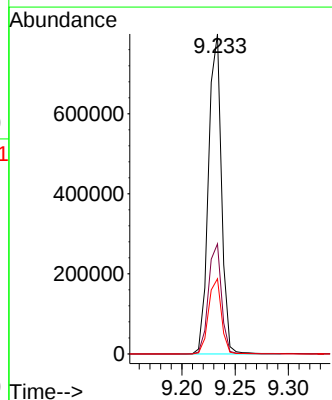
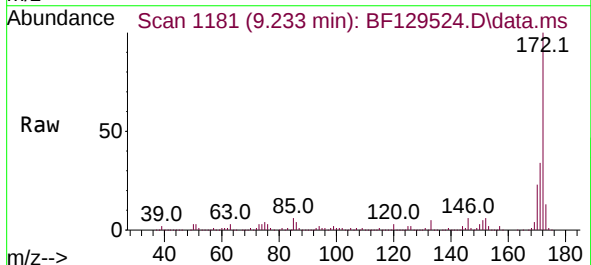
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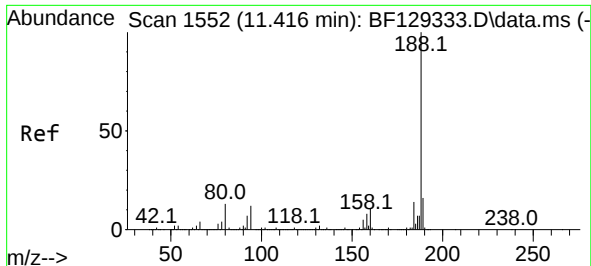
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#45
2-Fluorobiphenyl
Concen: 46.078 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Tgt Ion:172 Resp: 675302
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 23.5 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

ClientSampleId :

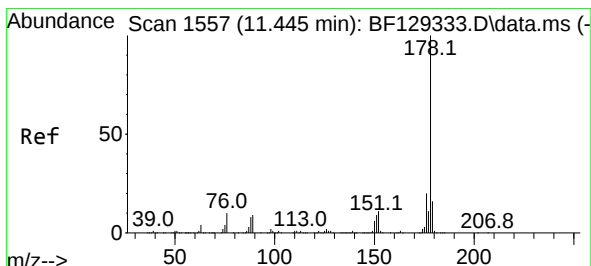
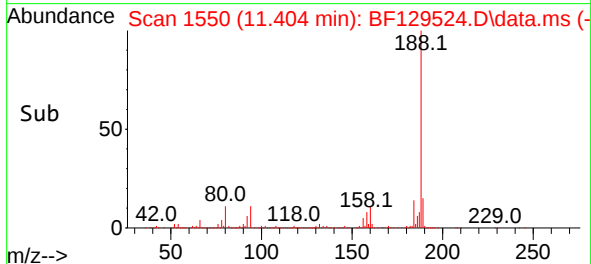
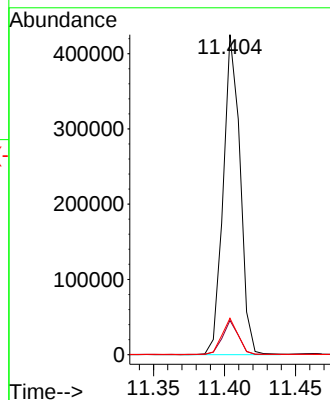
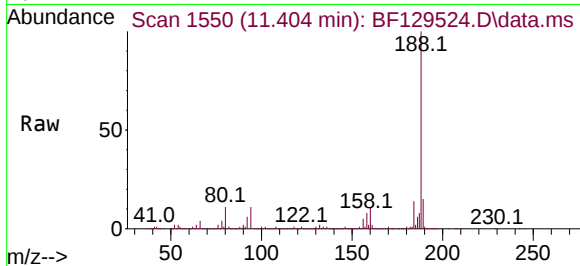
OK-04-080122

Tgt Ion:188 Resp: 352139
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6
80 11.4 7.6 11.4

Manual Integrations

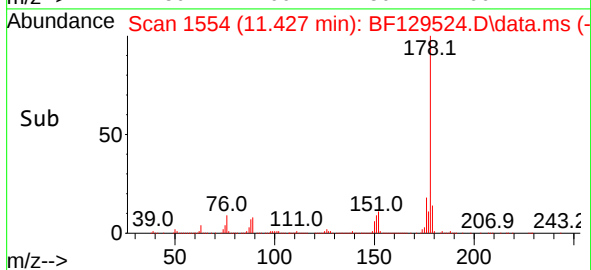
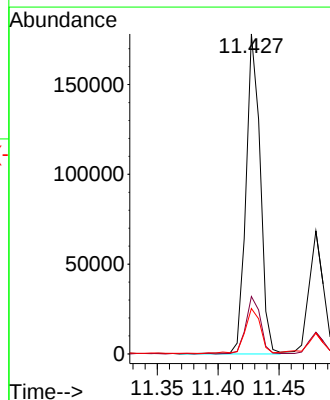
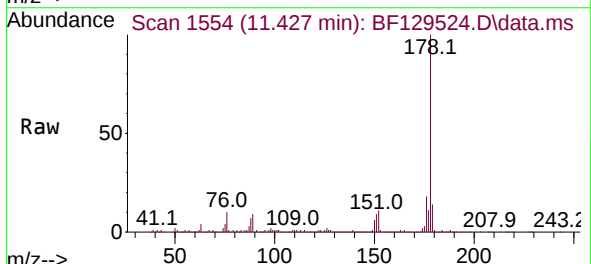
APPROVED

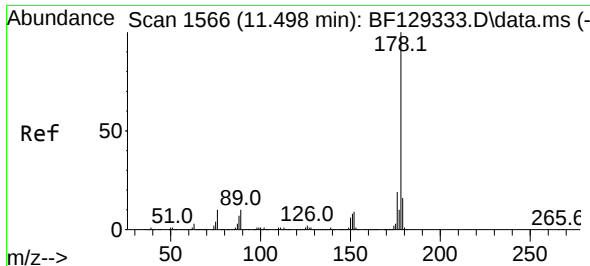
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#71
Phenanthrene
Concen: 7.498 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

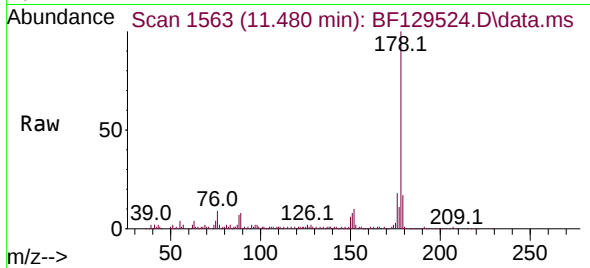
Tgt Ion:178 Resp: 144120
Ion Ratio Lower Upper
178 100
176 17.9 16.0 24.0
179 14.2 12.6 19.0





#72
 Anthracene
 Concen: 3.077 ng
 RT: 11.480 min Scan# 1566
 Delta R.T. -0.000 min
 Lab File: BF129524.D
 Acq: 03 Aug 2022 00:19

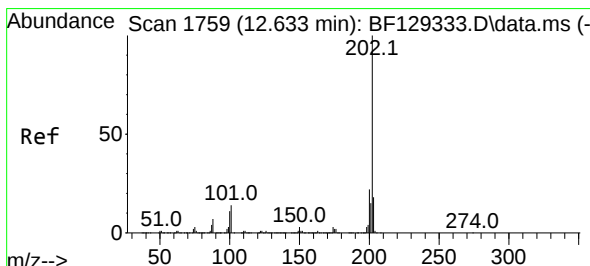
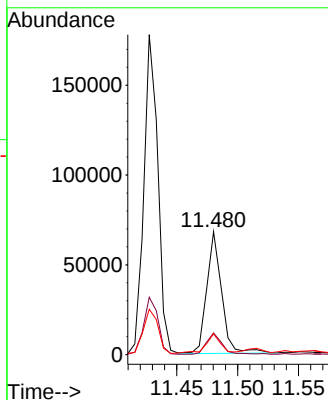
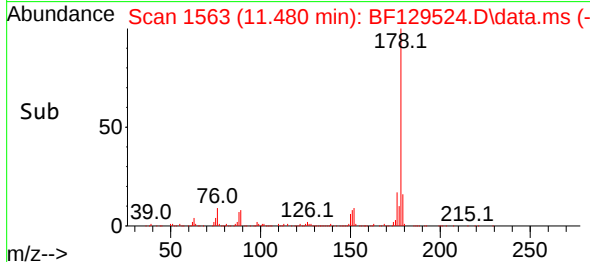
Instrument :
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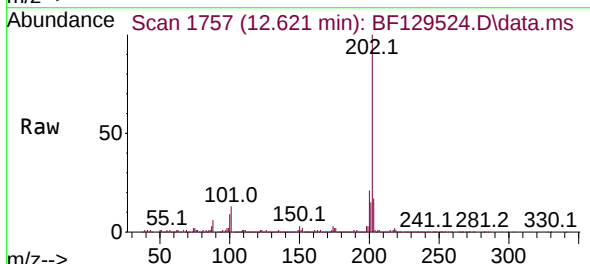
Tgt Ion:178 Resp: 58126
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 16.8 12.6 19.0

Manual Integrations
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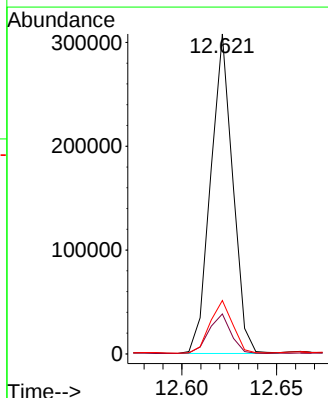
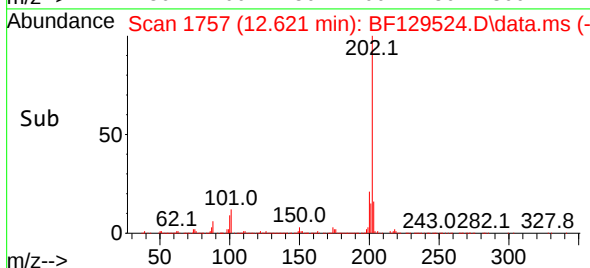
Reviewed By :Christian Giraldo 08/03/2022
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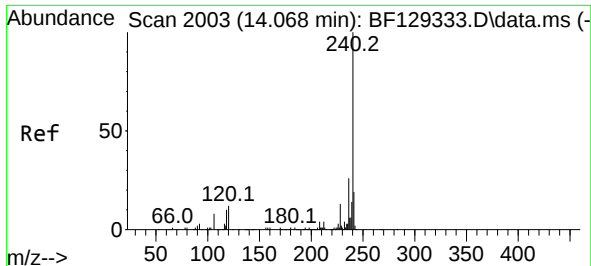


#75
 Fluoranthene
 Concen: 12.861 ng
 RT: 12.621 min Scan# 1757
 Delta R.T. -0.000 min
 Lab File: BF129524.D
 Acq: 03 Aug 2022 00:19



Tgt Ion:202 Resp: 250490
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 31.4
 203 16.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

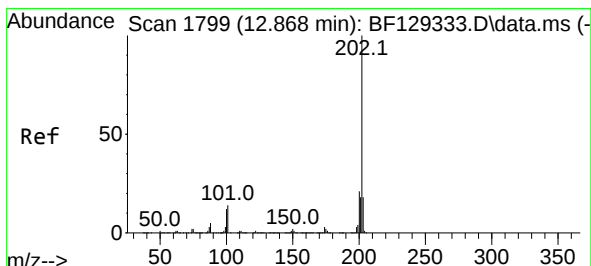
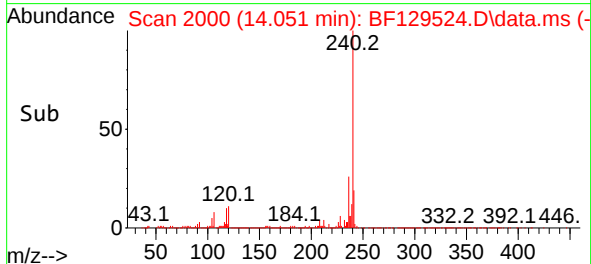
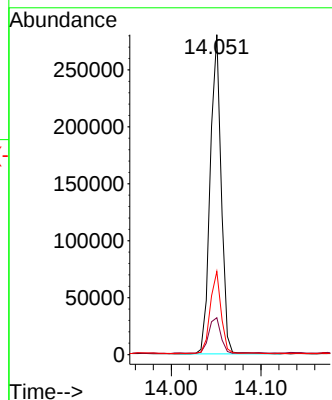
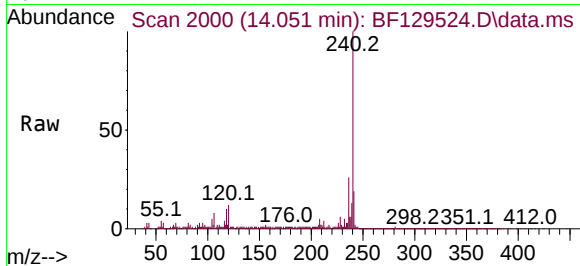
ClientSampleId :

OK-04-080122

Tgt Ion:240 Resp: 238362
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 26.0 20.8 31.2

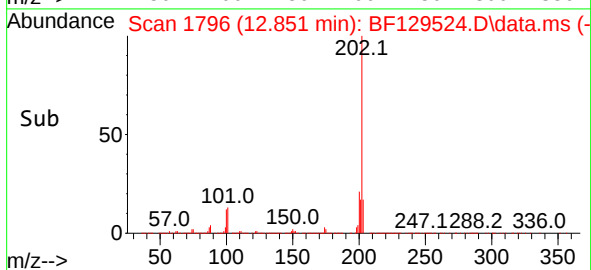
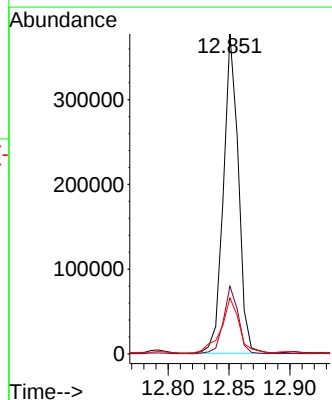
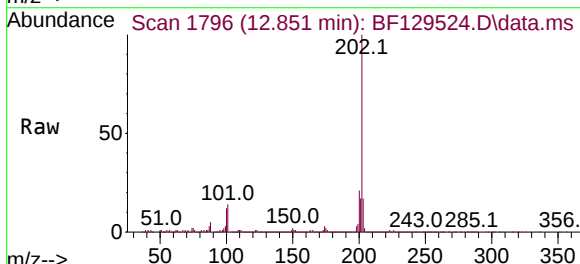
Manual Integrations
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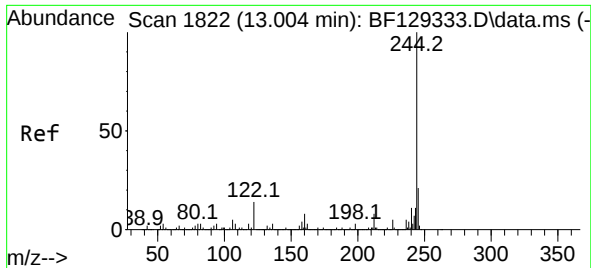
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#78
Pyrene
Concen: 16.194 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Tgt Ion:202 Resp: 322787
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.5 14.6 21.8





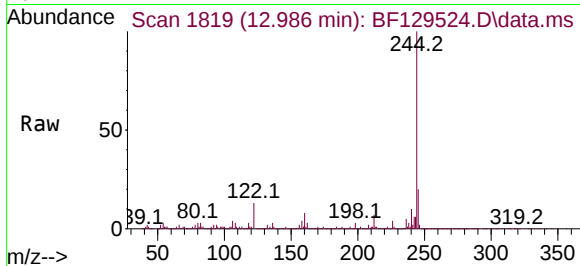
#79
Terphenyl-d14
Concen: 47.377 ng
RT: 12.986 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

ClientSampleId :

OK-04-080122

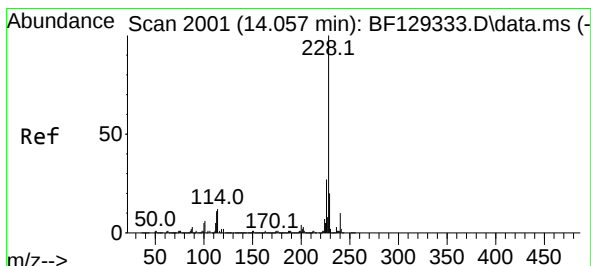
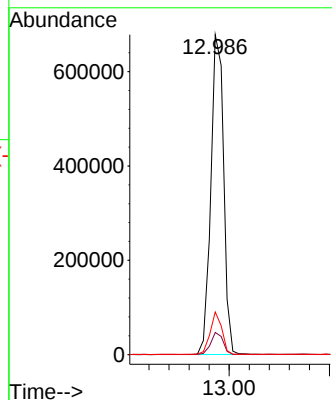
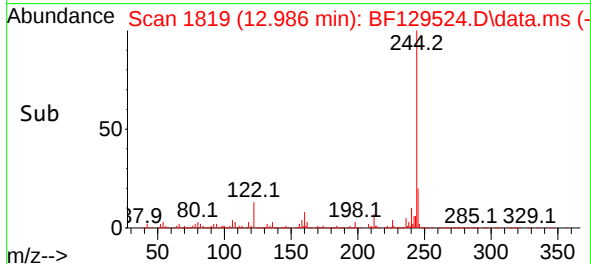


Tgt Ion:244 Resp: 598595
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 13.3 8.8 13.2

Manual Integrations

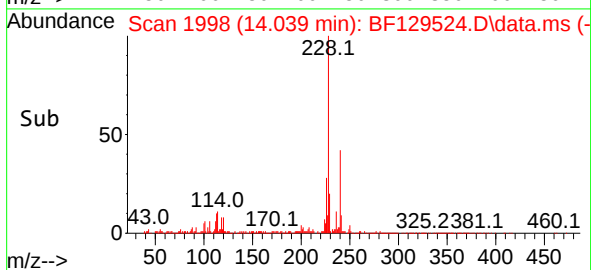
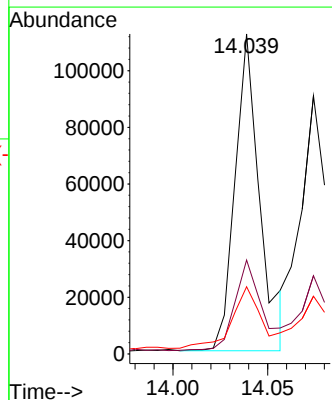
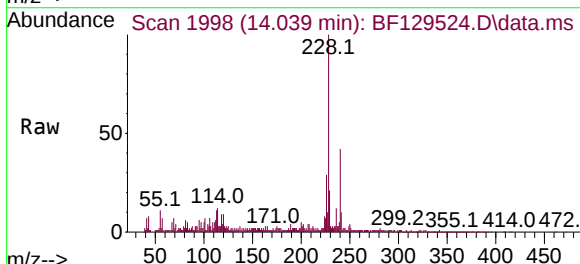
APPROVED

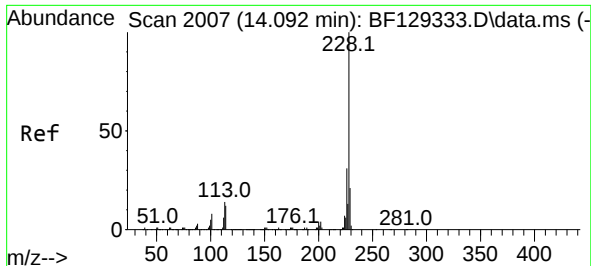
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#81
Benzo(a)anthracene
Concen: 6.241 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Tgt Ion:228 Resp: 101624
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 21.0 15.8 23.8





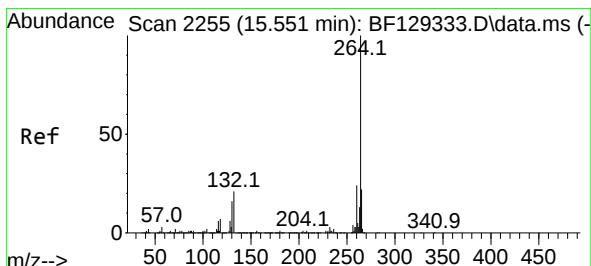
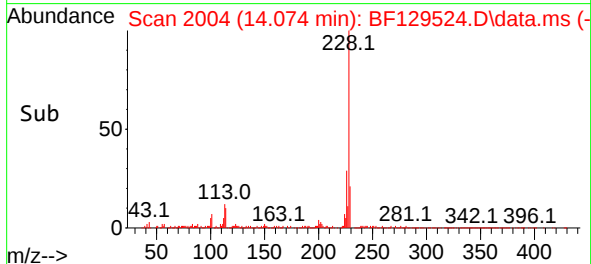
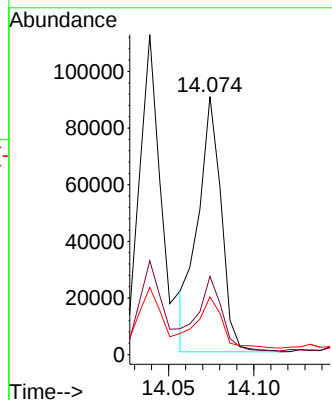
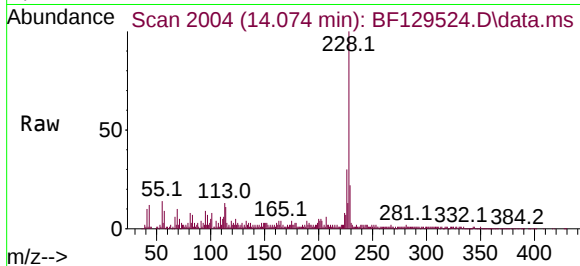
#83
Chrysene
Concen: 5.608 ng
RT: 14.074 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :
BNA_F
ClientSampleId :
OK-04-080122

Tgt Ion:228 Resp: 86052
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.4 15.9 23.9

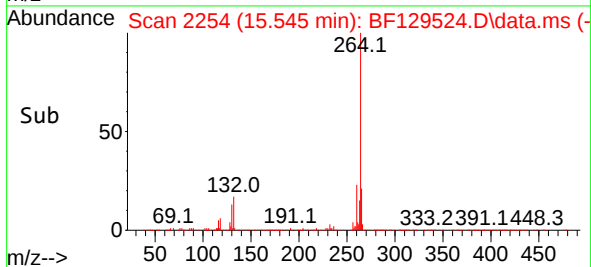
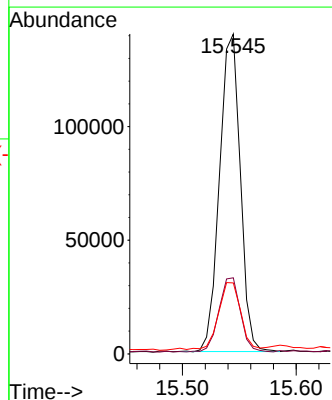
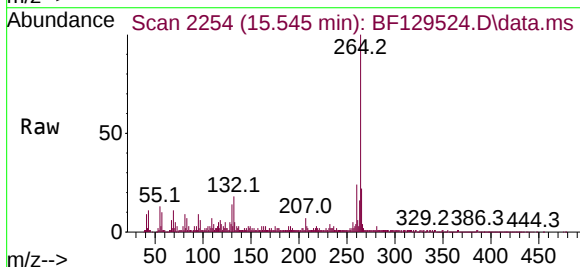
Manual Integrations
APPROVED

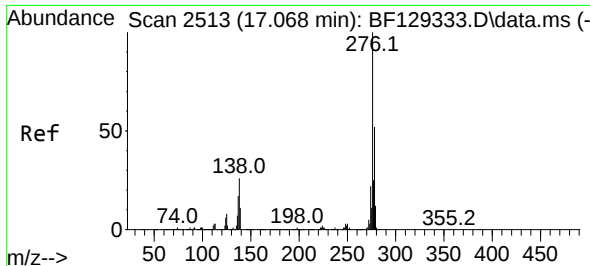
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2254
Delta R.T. 0.017 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Tgt Ion:264 Resp: 177179
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 22.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.645 ng
RT: 17.045 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

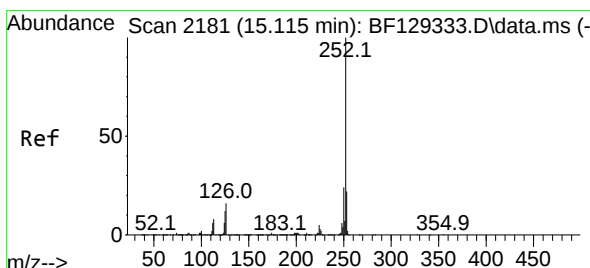
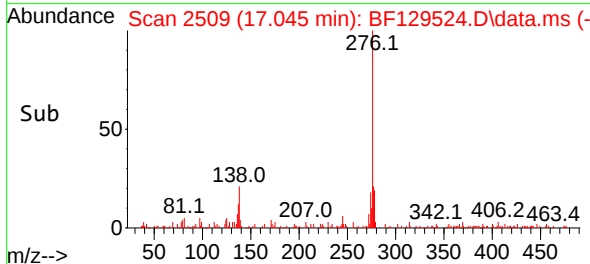
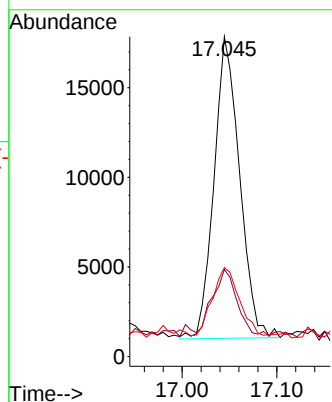
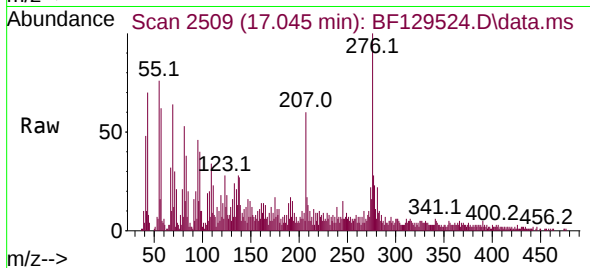
ClientSampleId :

OK-04-080122

Tgt Ion:276 Resp: 31563
Ion Ratio Lower Upper
276 100
138 21.2 21.1 31.7
277 24.5 20.3 30.5

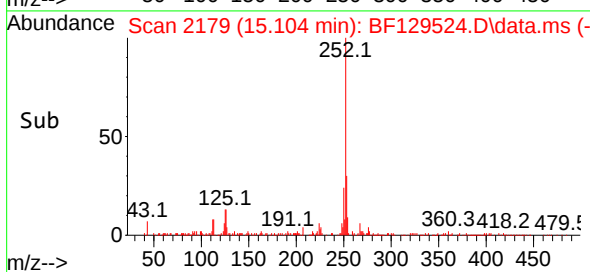
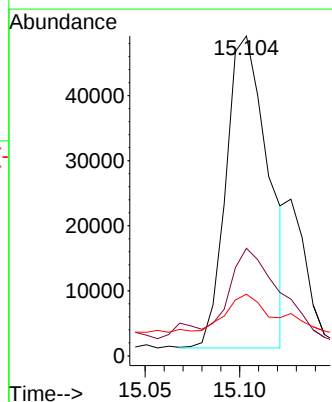
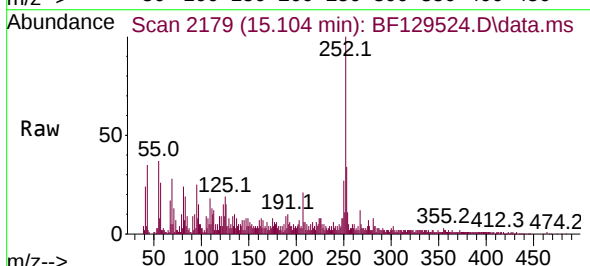
Manual Integrations
APPROVED

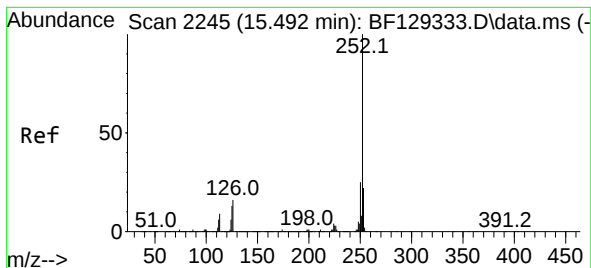
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#88
Benzo(b)fluoranthene
Concen: 6.314 ng m
RT: 15.104 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BF129524.D
Acq: 03 Aug 2022 00:19

Tgt Ion:252 Resp: 74207
Ion Ratio Lower Upper
252 100
253 33.6 17.7 26.5#
125 19.3 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 7.051 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129524.D

Acq: 03 Aug 2022 00:19

Instrument :

BNA_F

ClientSampleId :

OK-04-080122

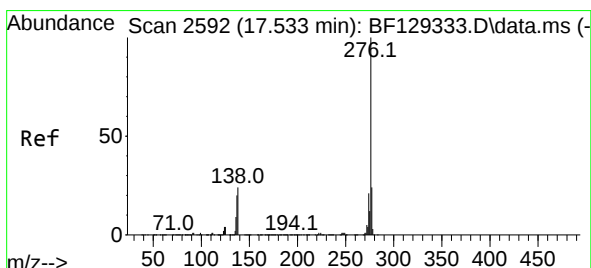
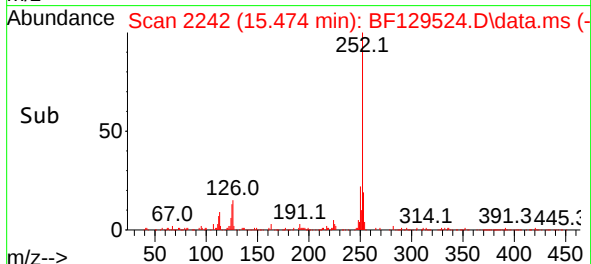
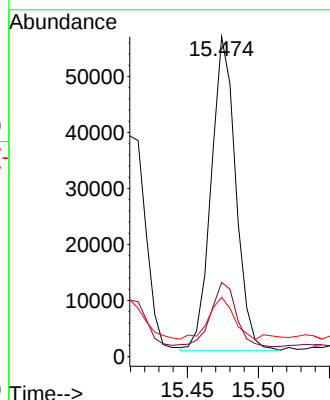
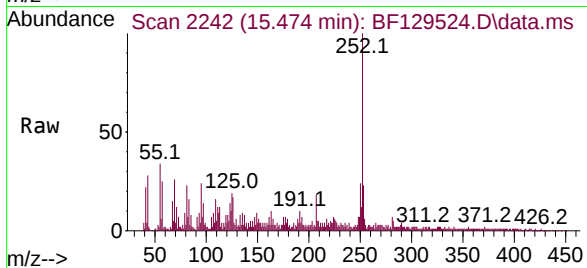
Tgt Ion:	252	Resp:	67273
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	18.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#92

Benzo(g,h,i)perylene

Concen: 4.302 ng

RT: 17.509 min Scan# 2588

Delta R.T. 0.017 min

Lab File: BF129524.D

Acq: 03 Aug 2022 00:19

Tgt Ion:	276	Resp:	42693
Ion Ratio	Lower	Upper	
276	100		
277	27.2	19.1	28.7
138	25.2	18.0	27.0

