

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129421.D
 Acq On : 28 Jul 2022 21:57
 Operator : CG\JU
 Sample : N3944-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 02:09:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	183141	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	674556	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	219479	20.000	ng	0.01
64) Phenanthrene-d10	11.451	188	262242	20.000	ng	# 0.04
76) Chrysene-d12	14.080	240	316358	20.000	ng	0.01
86) Perylene-d12	15.562	264	378947	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1315640	117.023	ng	0.02
7) Phenol-d6	6.522	99	1649944	116.759	ng	0.00
23) Nitrobenzene-d5	7.451	82	1006997	81.491	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	261566	123.958	ng	0.02
45) 2-Fluorobiphenyl	9.245	172	1436349	101.238	ng	0.00
79) Terphenyl-d14	13.039	244	993499	59.247	ng	0.04
Target Compounds						Qvalue
71) Phenanthrene	11.474	178	100497	7.020	ng	# 43
75) Fluoranthene	12.674	202	182435	12.578	ng	83
78) Pyrene	12.904	202	289072	10.927	ng	# 93
81) Benzo(a)anthracene	14.068	228	191026	8.840	ng	98
83) Chrysene	14.104	228	188718	9.266	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	75340	2.952	ng	97
88) Benzo(b)fluoranthene	15.121	252	212756m	8.464	ng	
89) Benzo(k)fluoranthene	15.145	252	61281m	2.488	ng	
90) Benzo(a)pyrene	15.492	252	181117	8.876	ng	# 97
92) Benzo(g,h,i)perylene	17.515	276	69480	3.274	ng	98

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

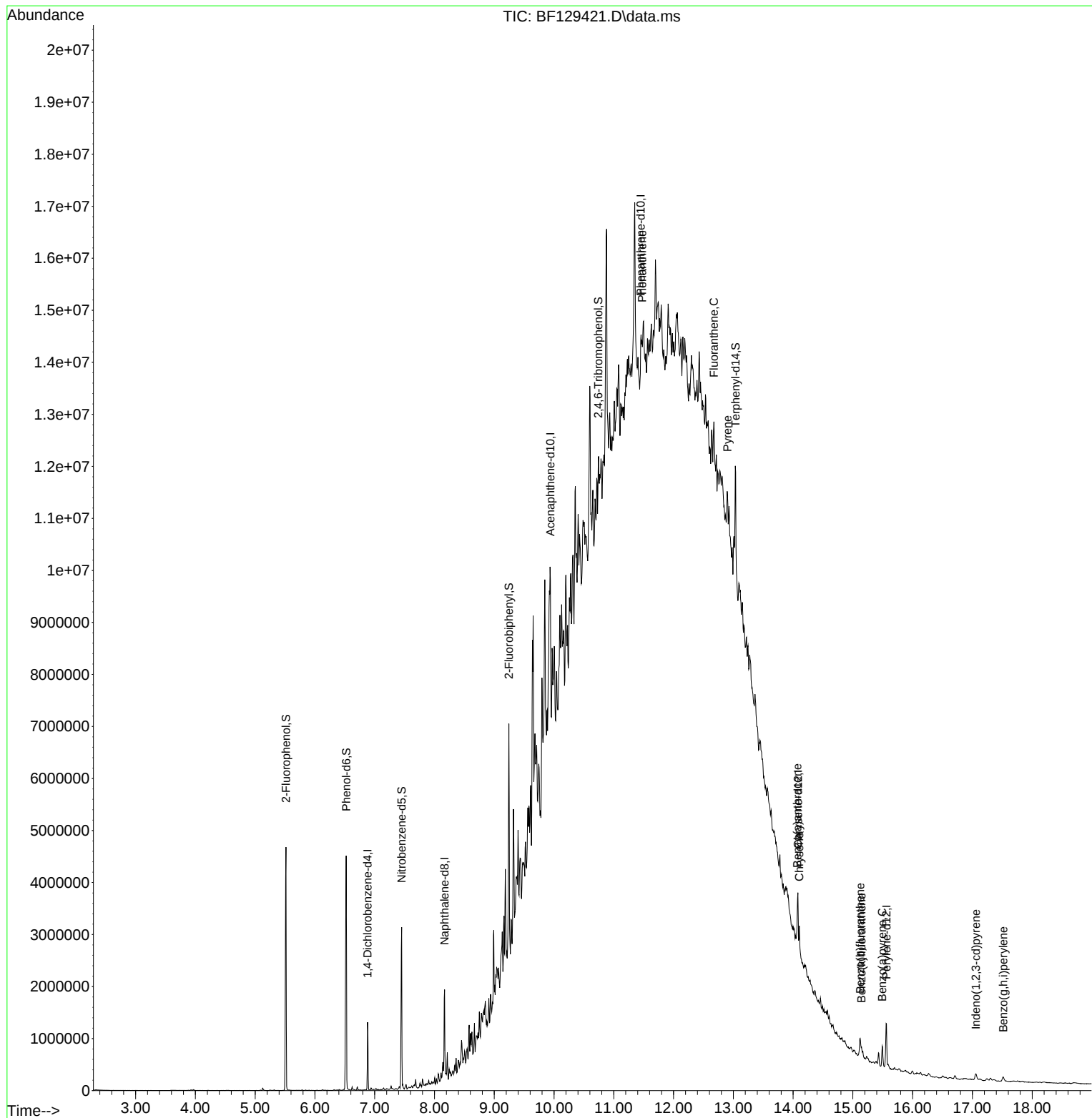
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
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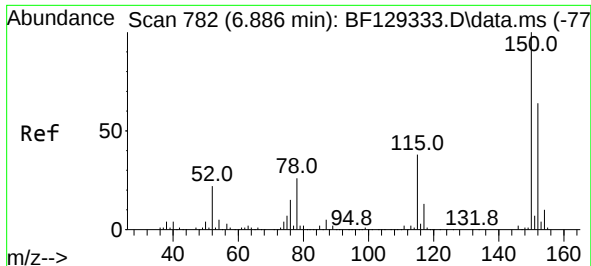
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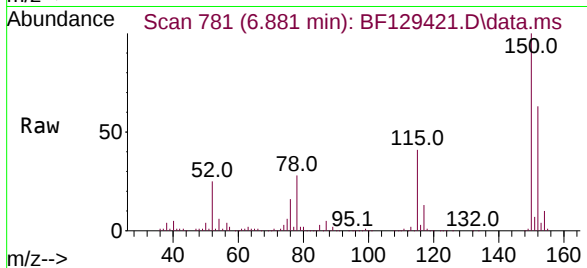
Quant Time: Jul 29 02:09:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 781
Delta R.T. -0.005 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

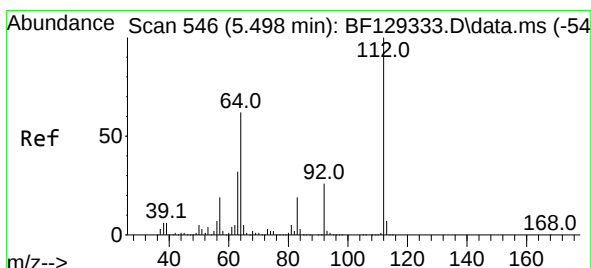
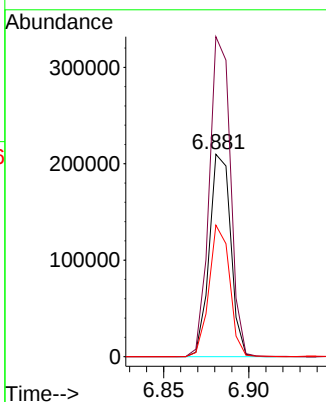
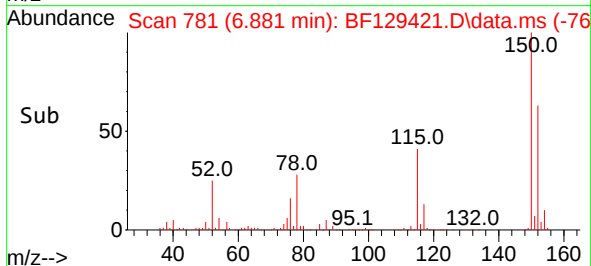
Instrument :
BNA_F
ClientSampleId :
RT2286



Tgt Ion:152 Resp: 18314
Ion Ratio Lower Upper
152 100
150 158.2 123.7 185.5
115 64.9 49.9 74.9

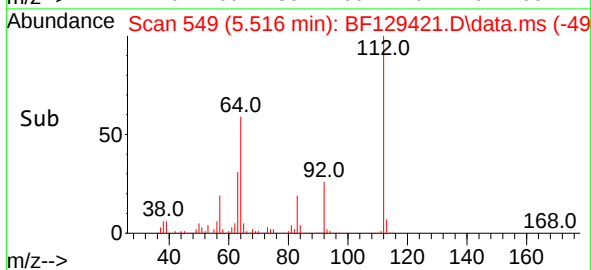
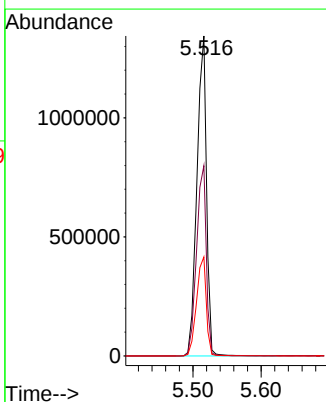
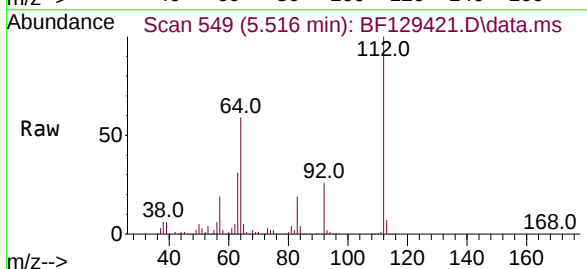
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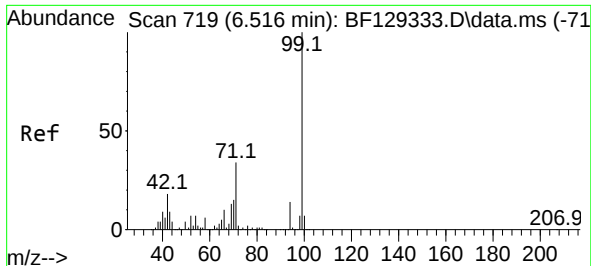
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 117.023 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.018 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

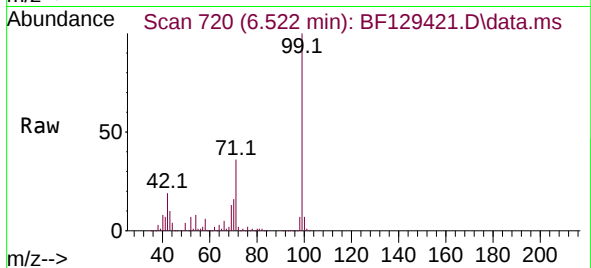
Tgt Ion:112 Resp: 1315640
Ion Ratio Lower Upper
112 100
64 59.4 53.3 79.9
63 30.9 28.0 42.0





#7
Phenol-d6
Concen: 116.759 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

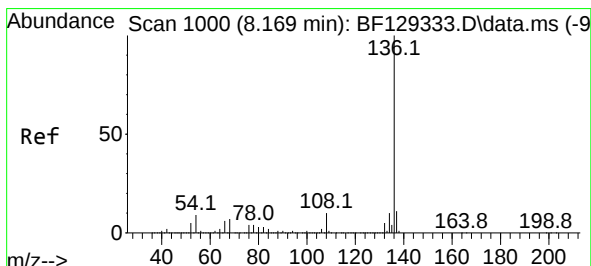
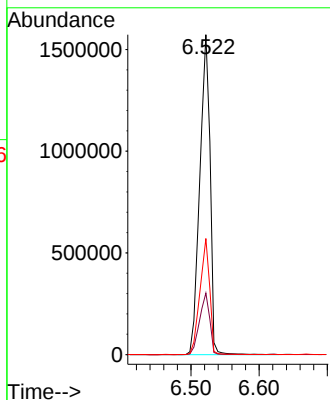
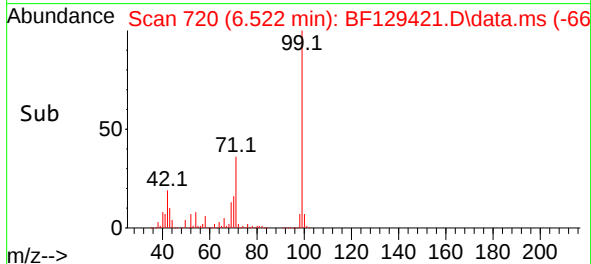
Instrument :
BNA_F
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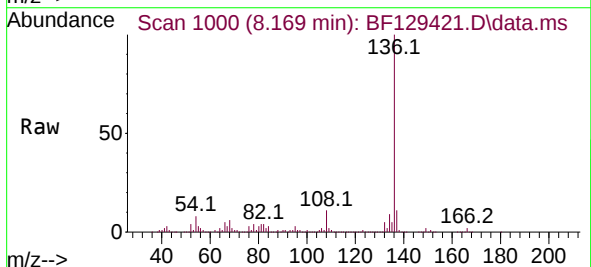
Tgt Ion: 99 Resp: 1649944
Ion Ratio Lower Upper
99 100
42 19.2 17.3 25.9
71 36.3 28.9 43.3

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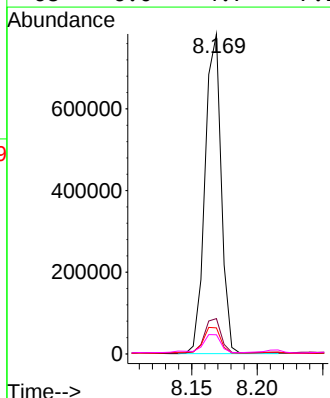
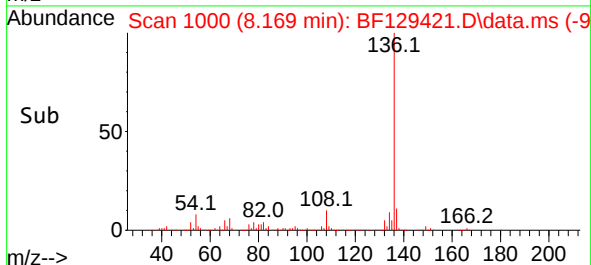
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

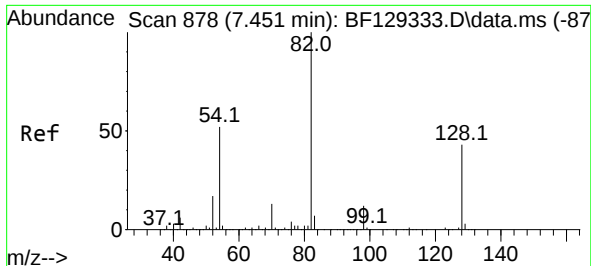


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57



Tgt Ion:136 Resp: 674556
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 7.5 11.3
68 6.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 81.491 ng

RT: 7.451 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF129421.D

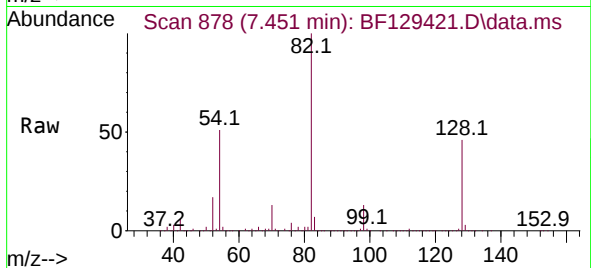
Acq: 28 Jul 2022 21:57

Instrument :

BNA_F

ClientSampleId :

RT2286



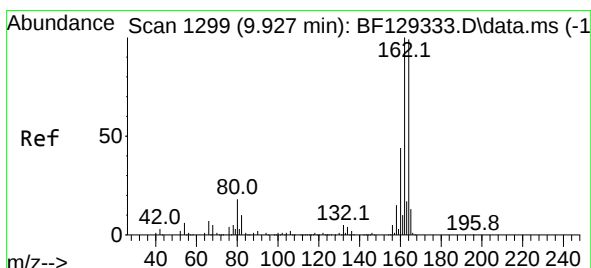
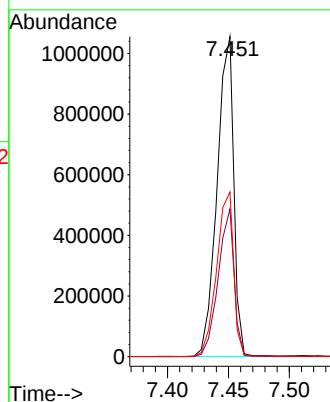
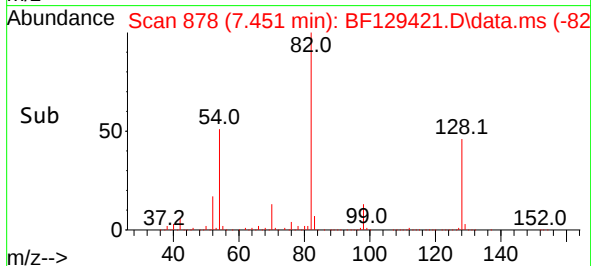
Tgt Ion: 82 Resp: 100699

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	51.5	46.9	70.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1301

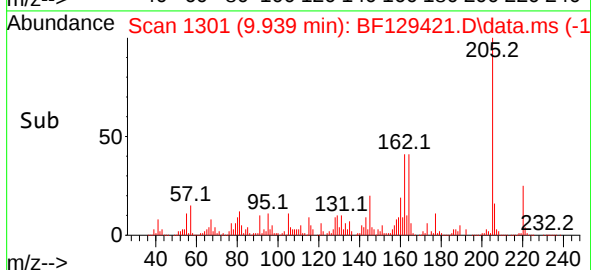
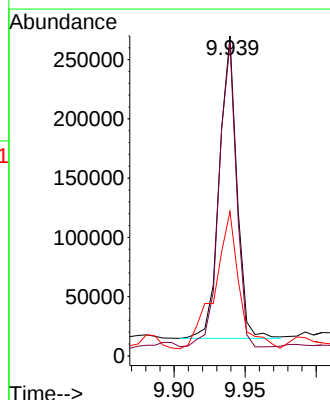
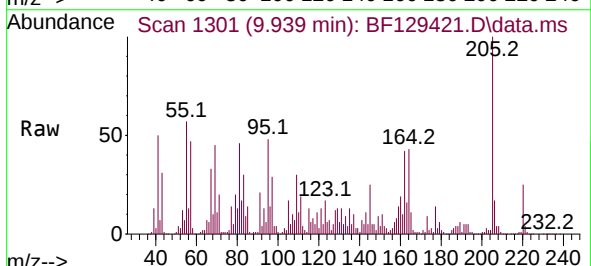
Delta R.T. 0.012 min

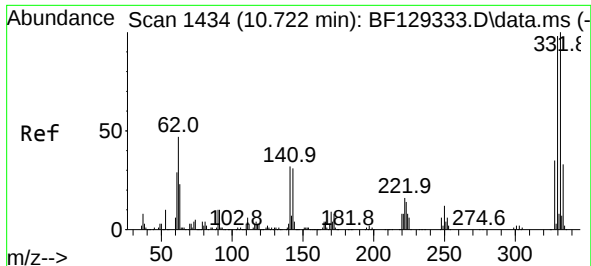
Lab File: BF129421.D

Acq: 28 Jul 2022 21:57

Tgt Ion:164 Resp: 219479

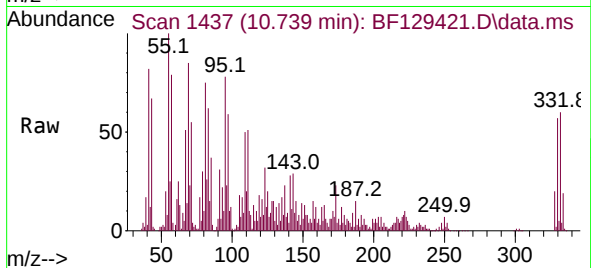
Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.5	119.3
160	45.1	34.2	51.4





#42
2,4,6-Tribromophenol
Concen: 123.958 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.018 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

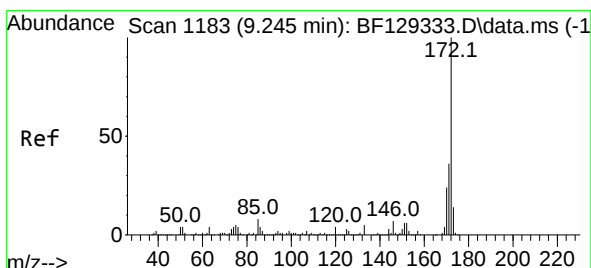
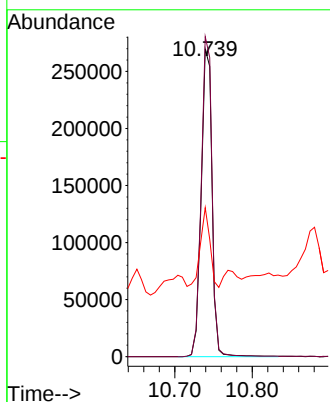
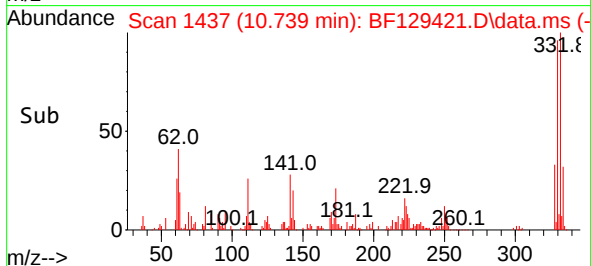
Instrument :
BNA_F
ClientSampleId :
RT2286



Tgt Ion:330 Resp: 261566
Ion Ratio Lower Upper
330 100
332 103.7 76.8 115.2
141 22.6 28.0 42.0

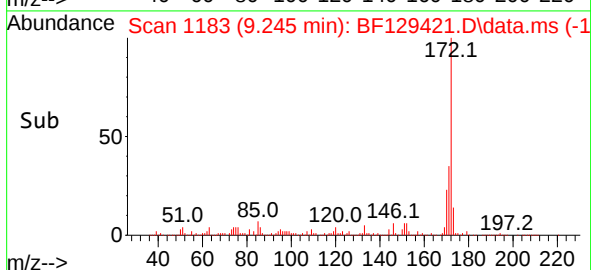
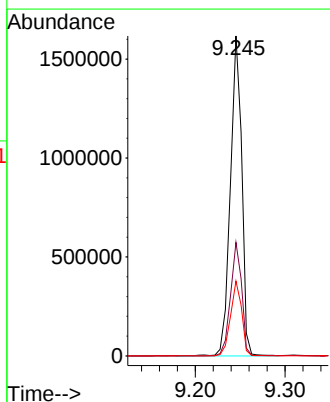
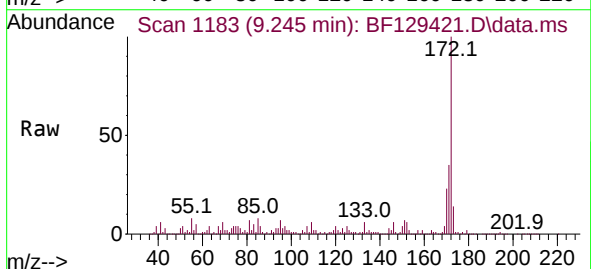
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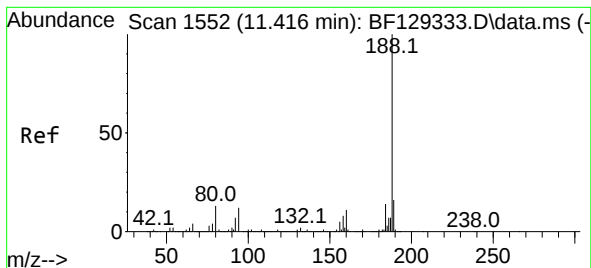
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#45
2-Fluorobiphenyl
Concen: 101.238 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

Tgt Ion:172 Resp: 1436349
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.4 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 11

Delta R.T. 0.035 min

Lab File: BF129421.D

Acq: 28 Jul 2022 21:57

Instrument :

BNA_F

ClientSampleId :

RT2286

Tgt Ion:188 Resp: 26224

Ion Ratio Lower Upper

188 100

94 28.7 7.0 10.6

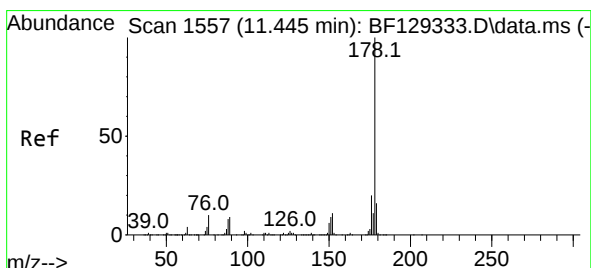
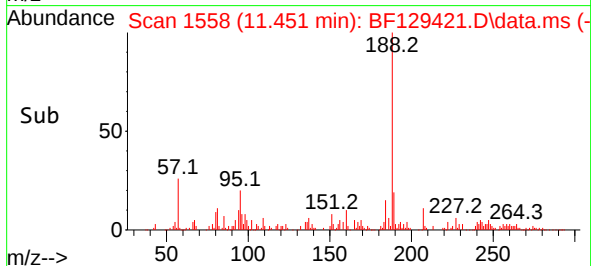
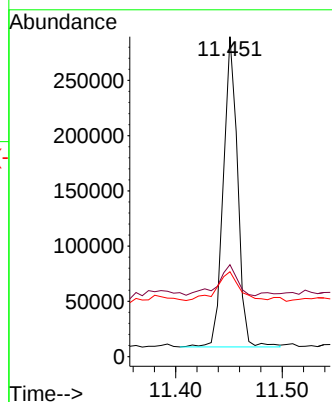
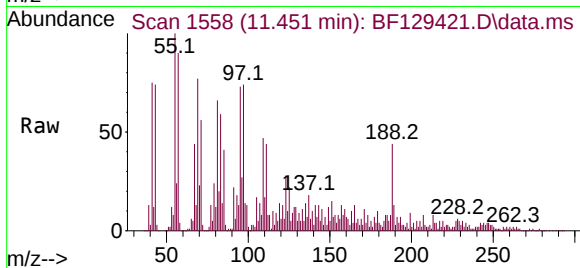
80 26.5 7.6 11.4

Manual Integrations

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#71

Phenanthrene

Concen: 7.020 ng

RT: 11.474 min Scan# 1562

Delta R.T. 0.029 min

Lab File: BF129421.D

Acq: 28 Jul 2022 21:57

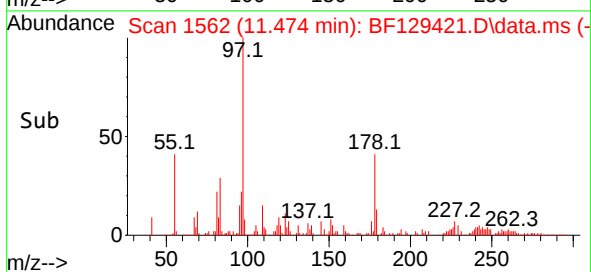
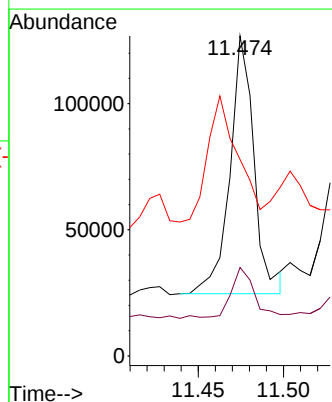
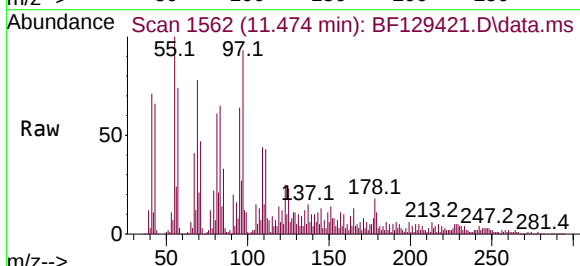
Tgt Ion:178 Resp: 100497

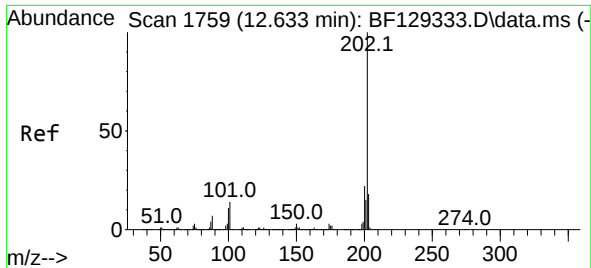
Ion Ratio Lower Upper

178 100

176 27.6 16.0 24.0#

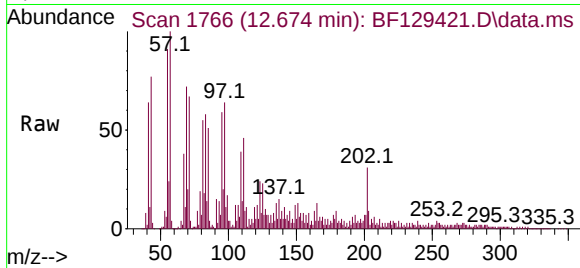
179 61.4 12.6 19.0#





#75
Fluoranthene
Concen: 12.578 ng
RT: 12.674 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

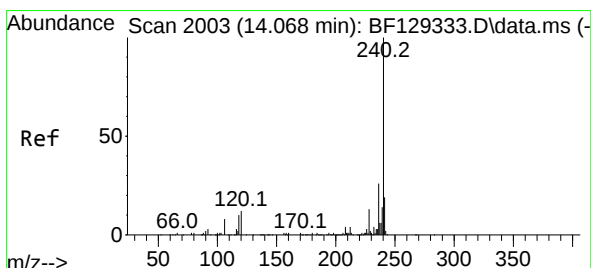
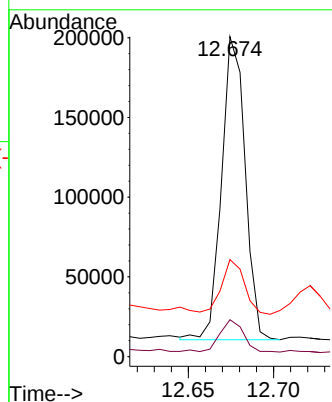
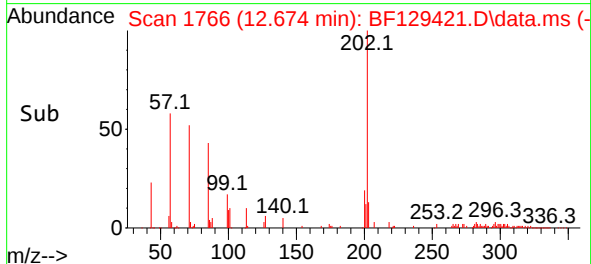
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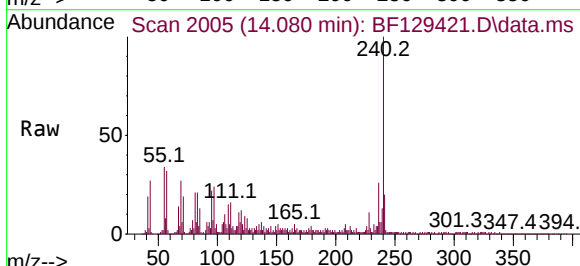
Tgt Ion:202 Resp: 182435
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 30.3 0.0 38.0

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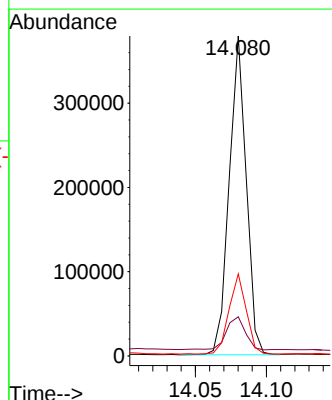
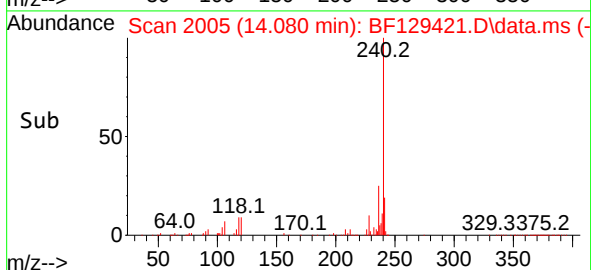
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

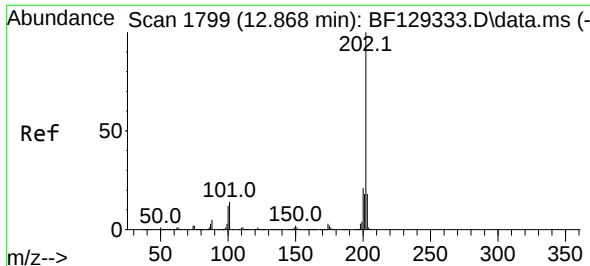


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.012 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57



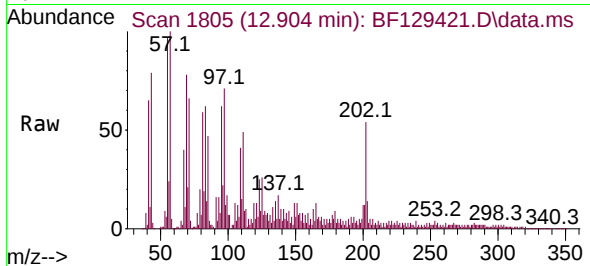
Tgt Ion:240 Resp: 316358
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 25.6 20.8 31.2





#78
Pyrene
Concen: 10.927 ng
RT: 12.904 min Scan# 1805
Delta R.T. 0.035 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

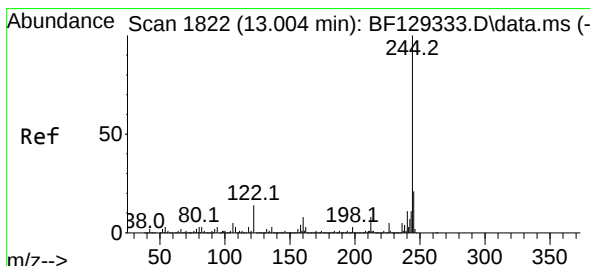
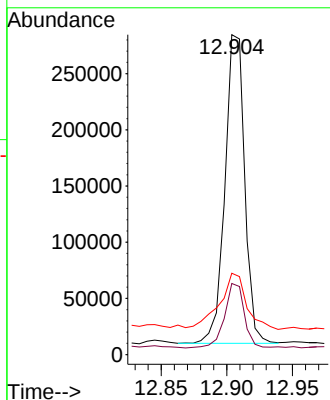
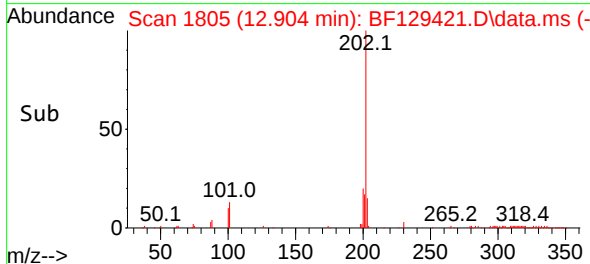
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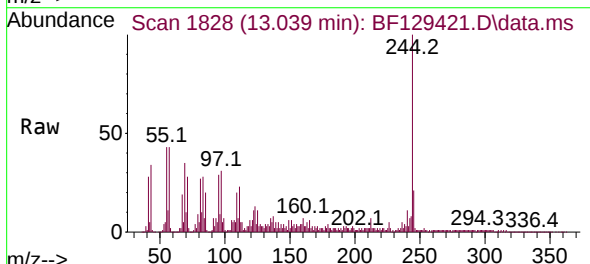
Tgt Ion:202 Resp: 289072
Ion Ratio Lower Upper
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200 22.2 17.7 26.5
203 25.4 14.6 21.8

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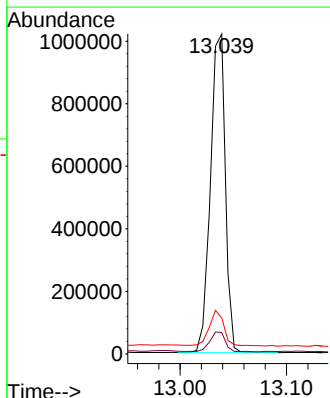
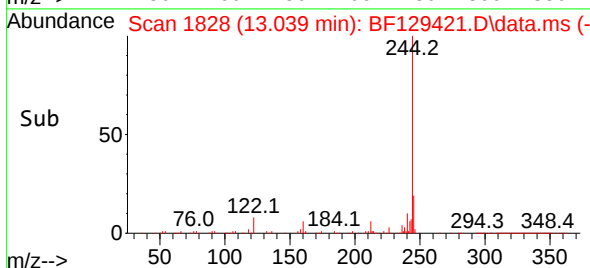
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

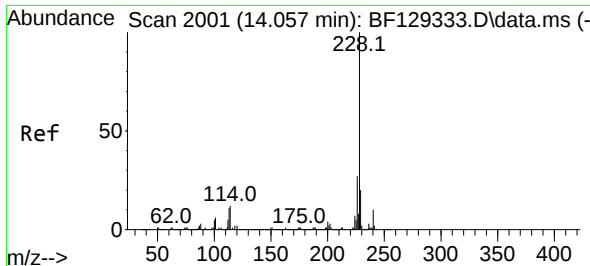


#79
Terphenyl-d14
Concen: 59.247 ng
RT: 13.039 min Scan# 1828
Delta R.T. 0.035 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57



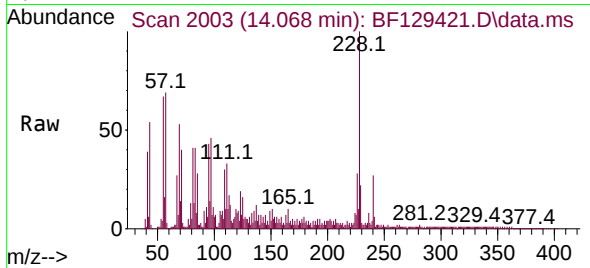
Tgt Ion:244 Resp: 993499
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 11.3 8.8 13.2





#81
Benzo(a)anthracene
Concen: 8.840 ng
RT: 14.068 min Scan# 2009
Delta R.T. 0.012 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

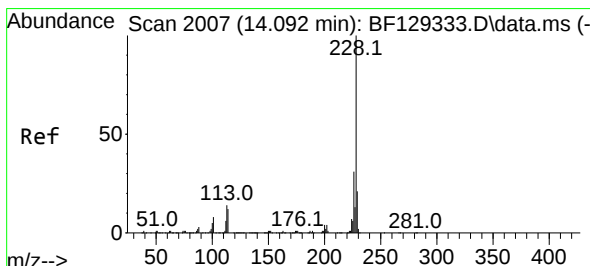
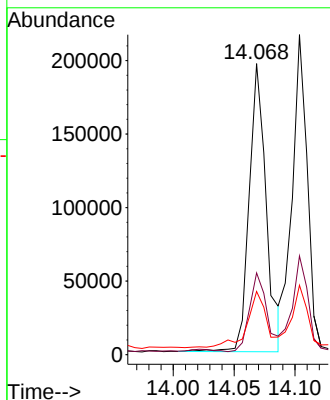
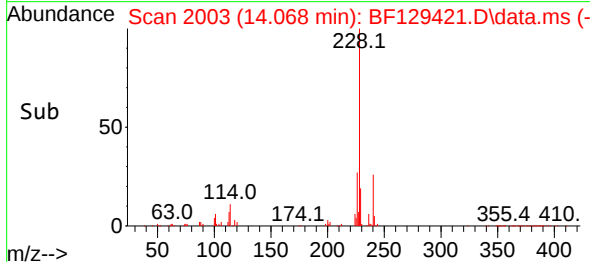
Instrument :
BNA_F
ClientSampleId :
RT2286



Tgt Ion:228 Resp: 191026
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 21.7 15.8 23.8

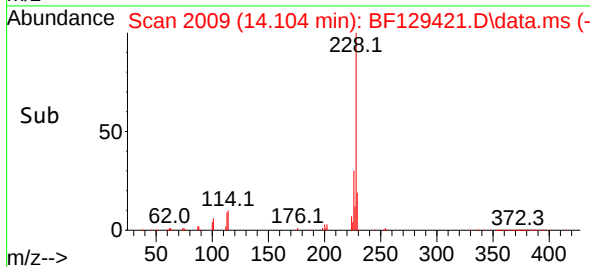
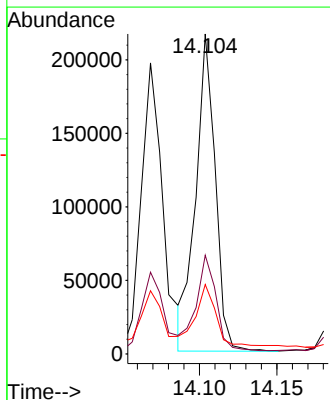
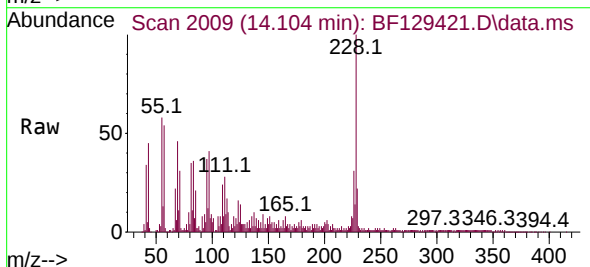
Manual Integrations
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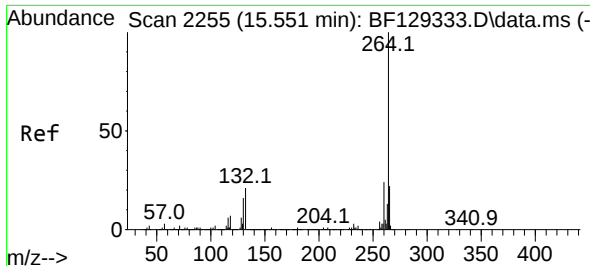
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#83
Chrysene
Concen: 9.266 ng
RT: 14.104 min Scan# 2009
Delta R.T. 0.012 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

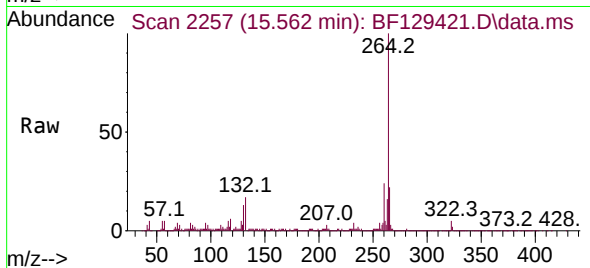
Tgt Ion:228 Resp: 188718
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 21.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

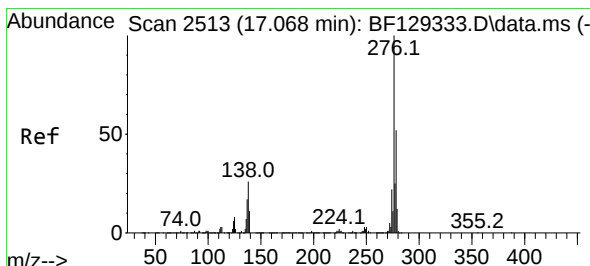
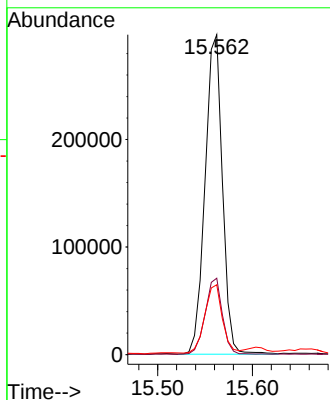
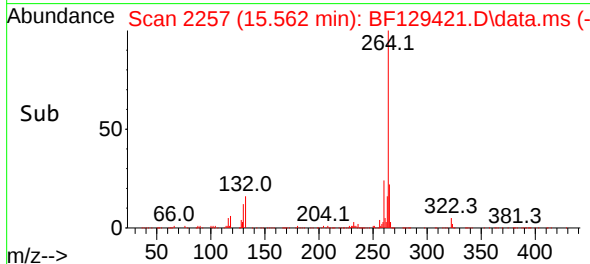
Instrument :
BNA_F
ClientSampleId :
RT2286



Tgt Ion:264 Resp: 37894
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 21.8 17.2 25.8

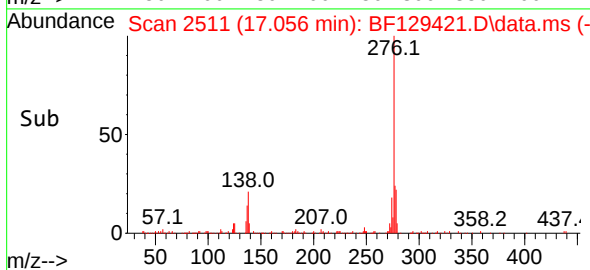
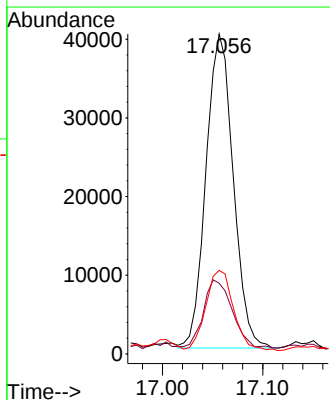
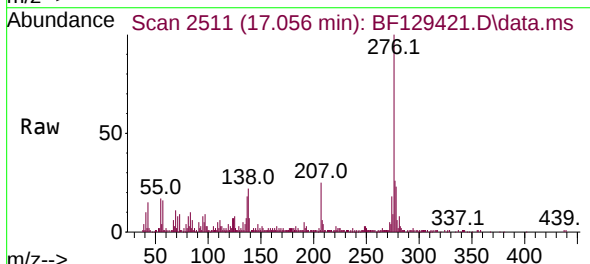
Manual Integrations
APPROVED

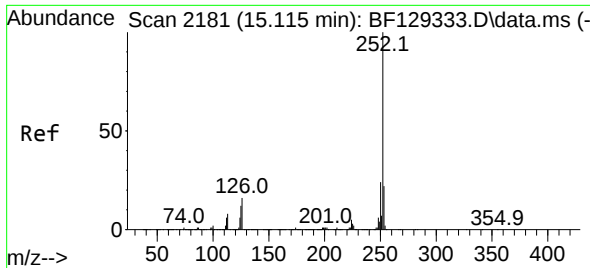
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.952 ng
RT: 17.056 min Scan# 2511
Delta R.T. -0.012 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

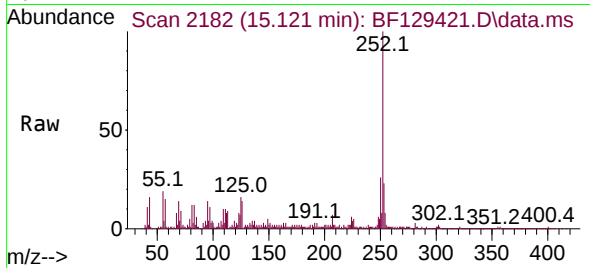
Tgt Ion:276 Resp: 75340
Ion Ratio Lower Upper
276 100
138 23.6 21.1 31.7
277 26.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 8.464 ng m
RT: 15.121 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

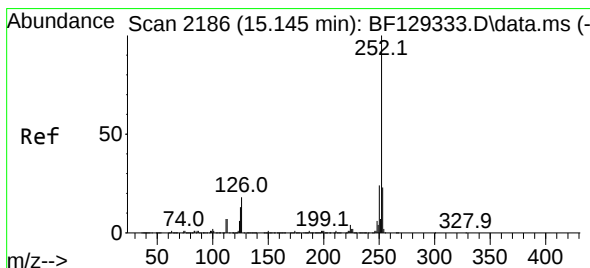
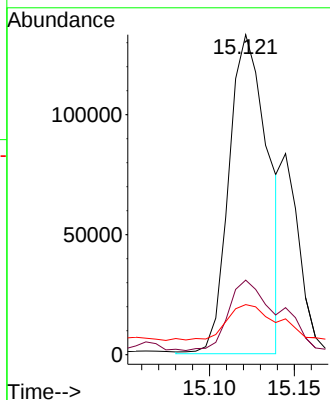
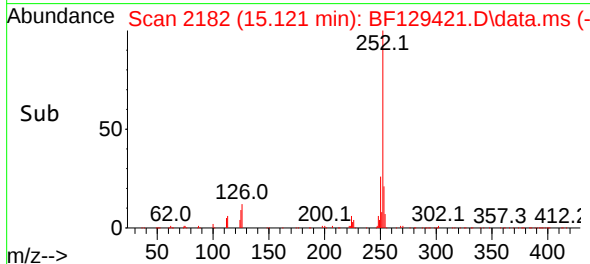
Instrument :
BNA_F
ClientSampleId :
RT2286



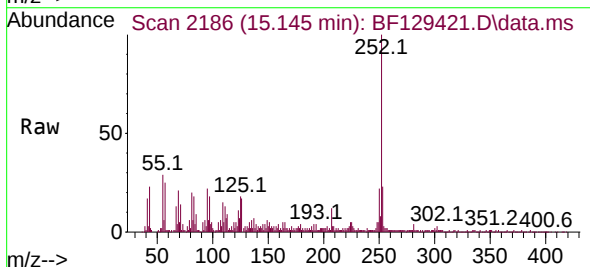
Tgt Ion:252 Resp: 212756
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 15.6 8.0 12.0

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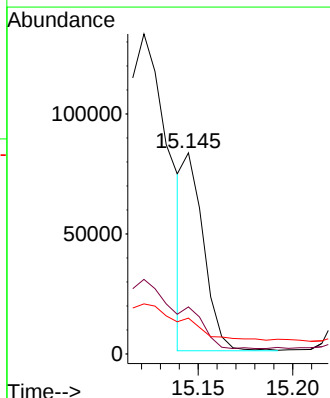
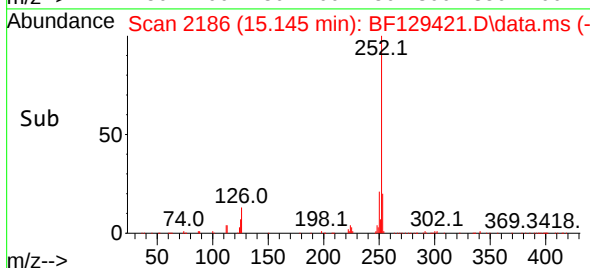
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

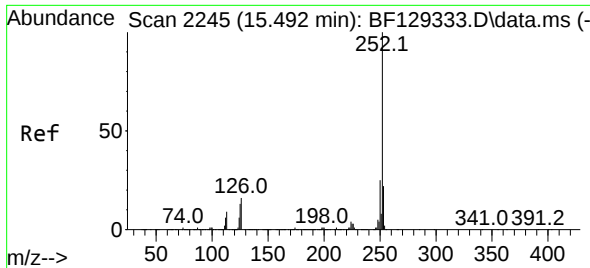


#89
Benzo(k)fluoranthene
Concen: 2.488 ng m
RT: 15.145 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57



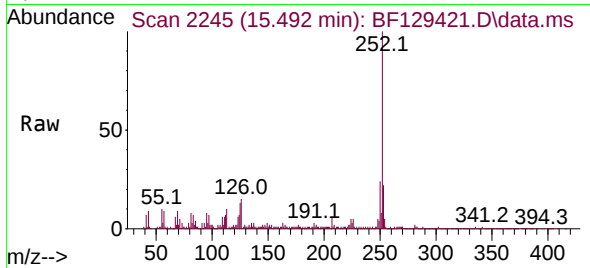
Tgt Ion:252 Resp: 61281
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 17.8 8.3 12.5





#90
Benzo(a)pyrene
Concen: 8.876 ng
RT: 15.492 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

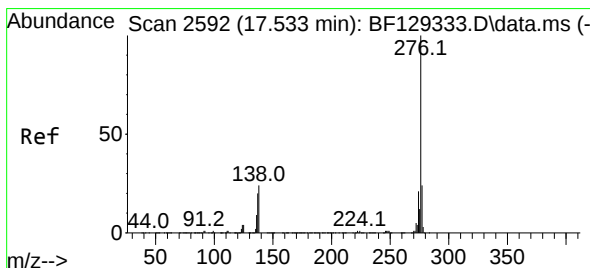
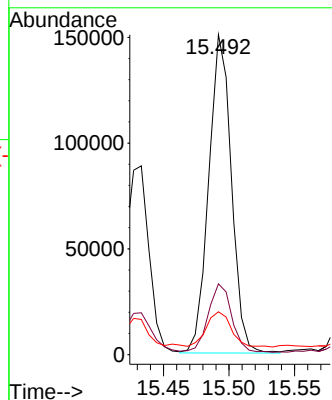
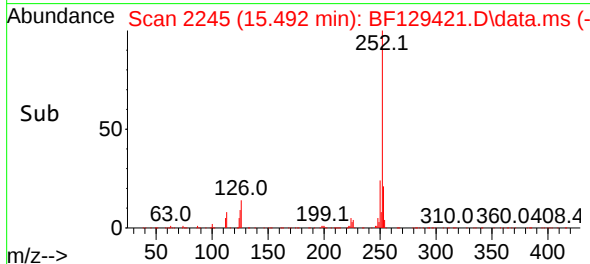
Instrument :
BNA_F
ClientSampleId :
RT2286



Tgt Ion:252 Resp: 181117
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 13.4 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#92
Benzo(g,h,i)perylene
Concen: 3.274 ng
RT: 17.515 min Scan# 2589
Delta R.T. -0.018 min
Lab File: BF129421.D
Acq: 28 Jul 2022 21:57

Tgt Ion:276 Resp: 69480
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 23.6 18.0 27.0

