

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129687.D
 Acq On : 10 Aug 2022 02:45
 Operator : CG\JU
 Sample : N4088-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080522

Quant Time: Aug 10 05:39:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	177049	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	634894	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	274822	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	390200	20.000	ng	0.00
76) Chrysene-d12	14.027	240	279555	20.000	ng	0.00
86) Perylene-d12	15.510	264	226121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	999847	91.994	ng	0.00
7) Phenol-d6	6.498	99	1202669	88.036	ng	0.00
23) Nitrobenzene-d5	7.410	82	738827	63.525	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	220933	83.617	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1234995	69.517	ng	-0.01
79) Terphenyl-d14	12.957	244	1017520	68.667	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	9.739	152	96977	3.936	ng	99
52) Acenaphthene	9.910	154	65001	4.040	ng	100
55) Dibenzofuran	10.086	168	66810	3.012	ng	95
58) Fluorene	10.428	166	106125	5.979	ng	98
71) Phenanthrene	11.398	178	1293035	60.706	ng	99
72) Anthracene	11.451	178	459930	21.973	ng	98
73) Carbazole	11.610	167	127897	6.491	ng	97
75) Fluoranthene	12.598	202	2508990	116.255	ng	98
78) Pyrene	12.833	202	2242279	95.918	ng	99
81) Benzo(a)anthracene	14.016	228	1281626	67.114	ng	97
83) Chrysene	14.057	228	1021587	56.763	ng	97
87) Indeno(1,2,3-cd)pyrene	17.004	276	481383	31.613	ng	# 93
88) Benzo(b)fluoranthene	15.080	252	1161970m	77.468	ng	
89) Benzo(k)fluoranthene	15.104	252	445203m	30.288	ng	
90) Benzo(a)pyrene	15.451	252	812088	66.696	ng	97
91) Dibenzo(a,h)anthracene	17.010	278	136782	11.037	ng	# 80
92) Benzo(g,h,i)perylene	17.462	276	430894	34.025	ng	98

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

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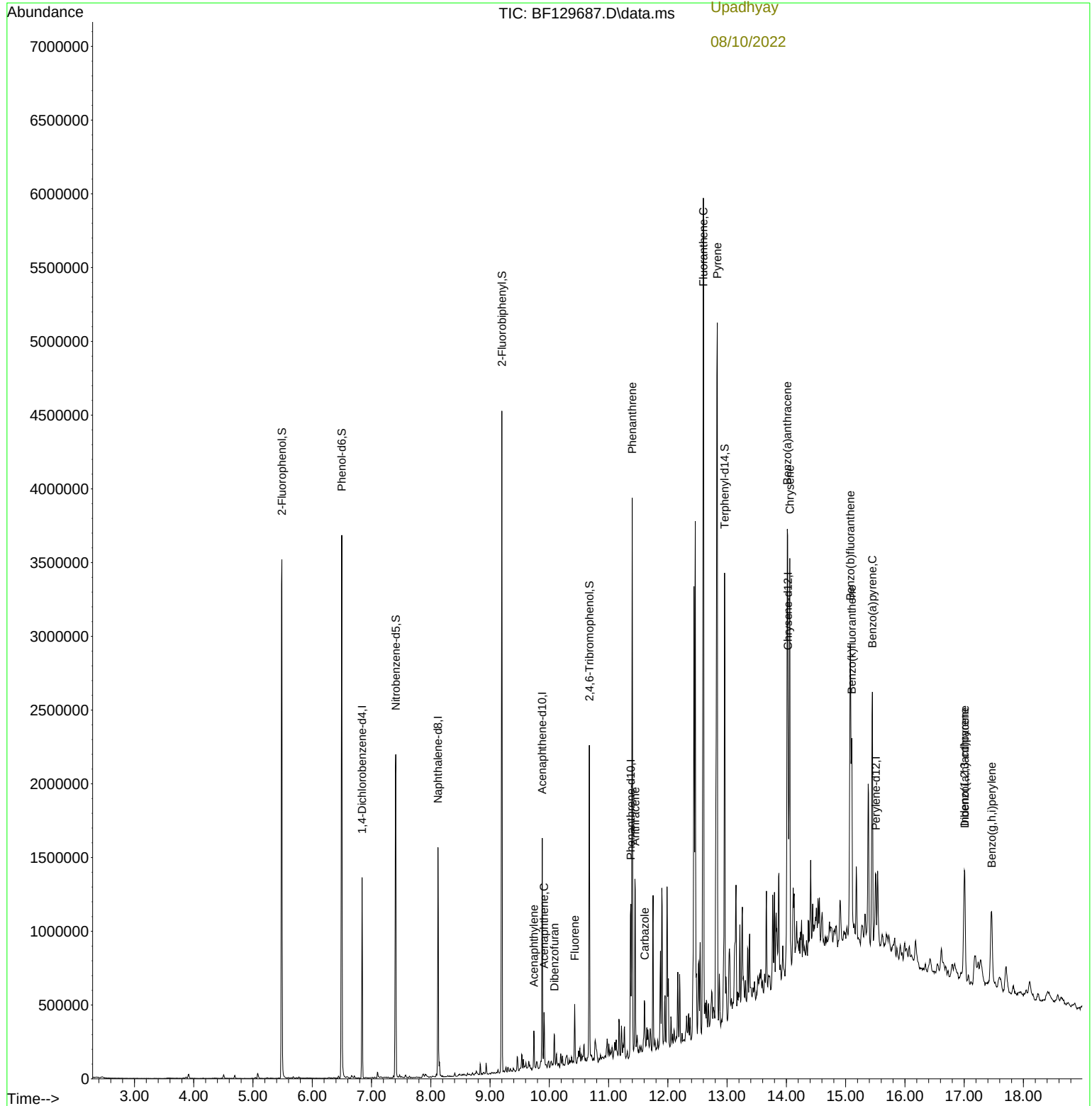
Quant Time: Aug 10 05:39:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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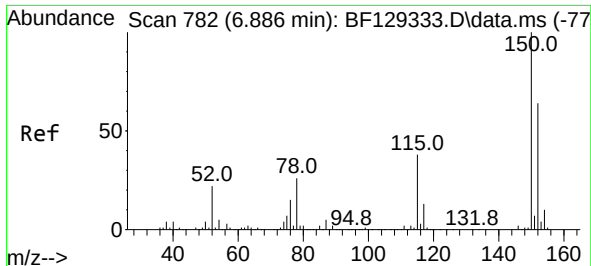
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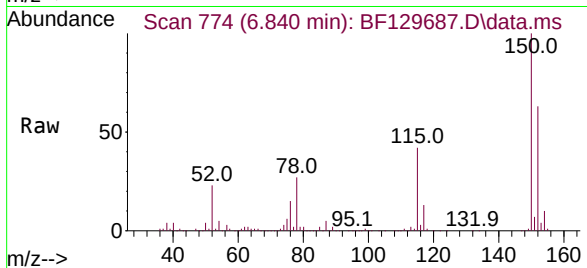
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

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BNA_F
ClientSampleId :
PL-02-080522



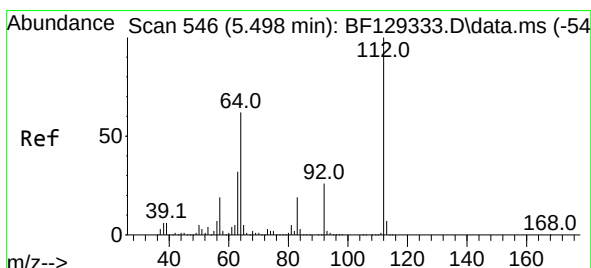
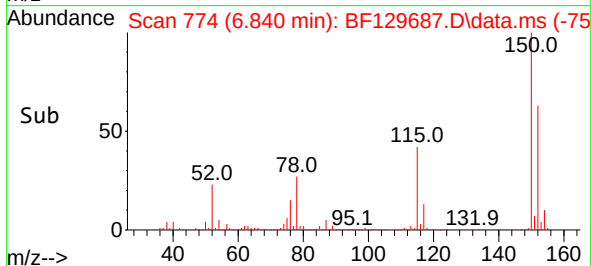
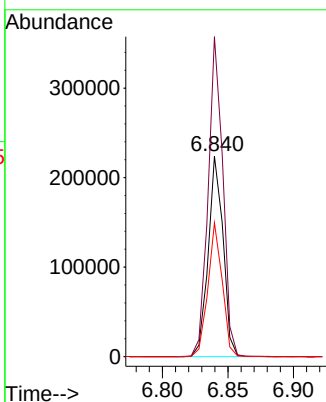
Tgt Ion:152 Resp: 177049
Ion Ratio Lower Upper
152 100
150 159.6 123.7 185.5
115 66.8 49.9 74.9

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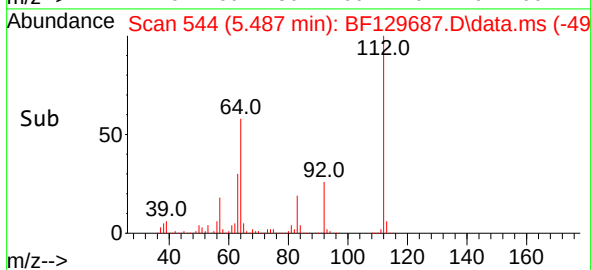
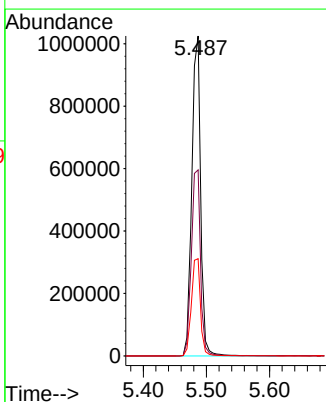
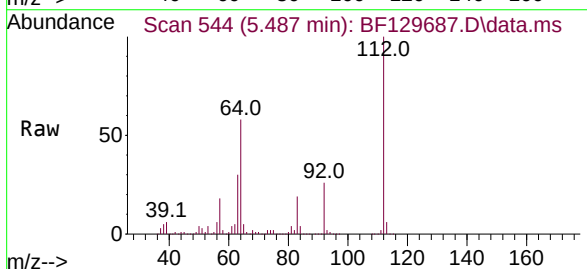
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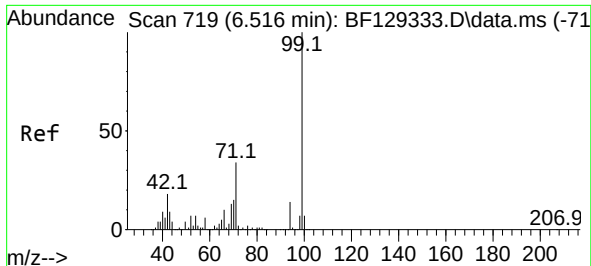
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#5
2-Fluorophenol
Concen: 91.994 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

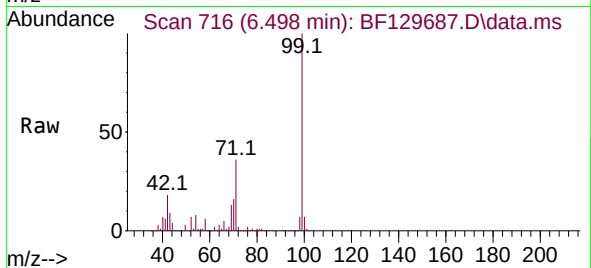
Tgt Ion:112 Resp: 999847
Ion Ratio Lower Upper
112 100
64 58.1 53.3 79.9
63 30.4 28.0 42.0





#7
Phenol-d6
Concen: 88.036 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :
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ClientSampleId :
PL-02-080522



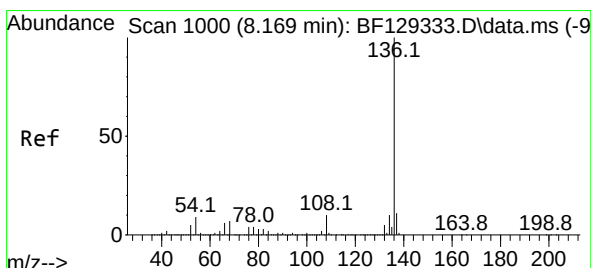
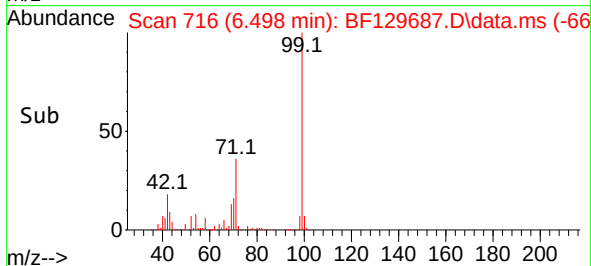
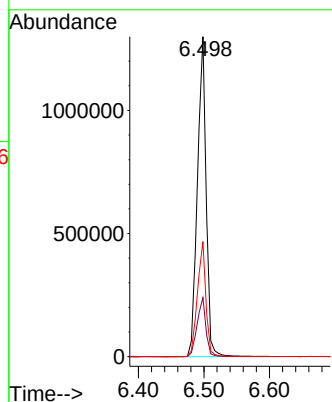
Tgt Ion: 99 Resp: 1202669
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.9 28.9 43.3

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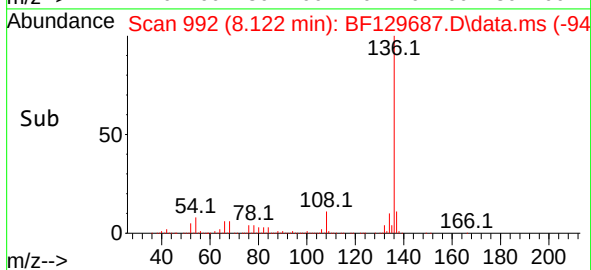
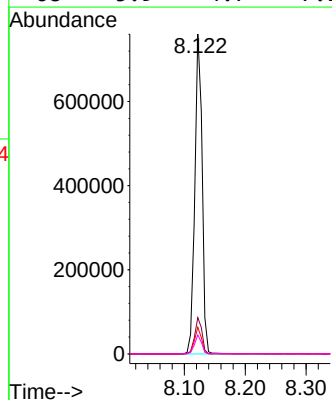
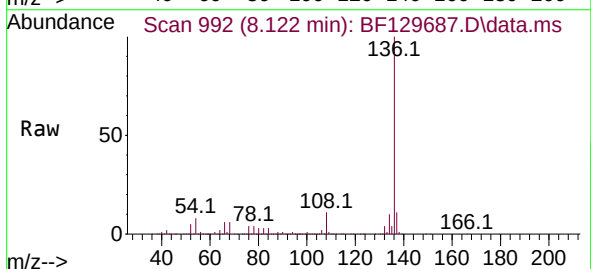
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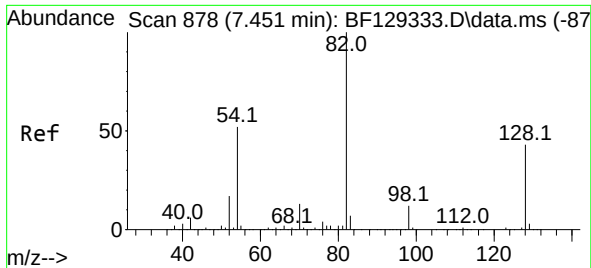
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:136 Resp: 634894
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.3 7.5 11.3
68 5.9 4.7 7.1





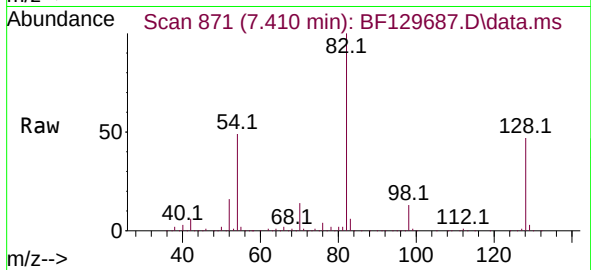
#23
Nitrobenzene-d5
Concen: 63.525 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

PL-02-080522



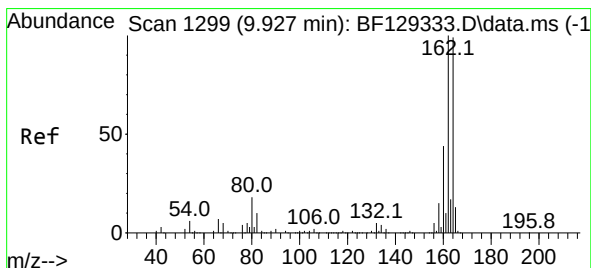
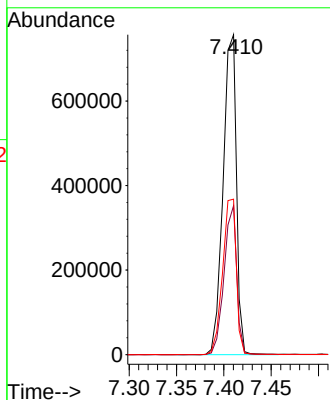
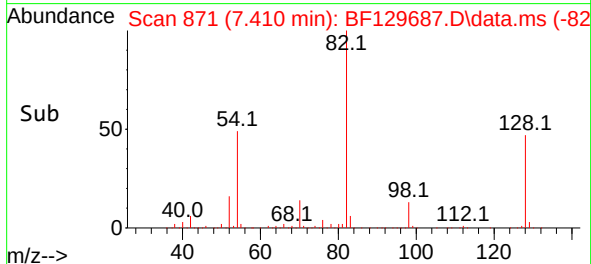
Tgt Ion: 82 Resp: 738822
Ion Ratio Lower Upper
82 100
128 46.5 34.0 51.0
54 48.6 46.9 70.3

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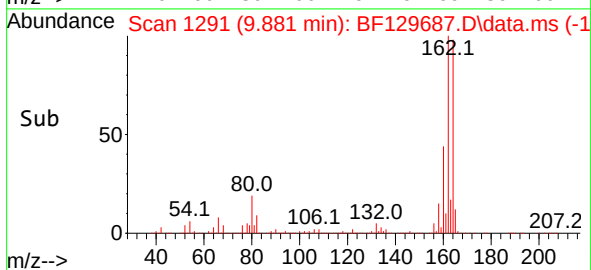
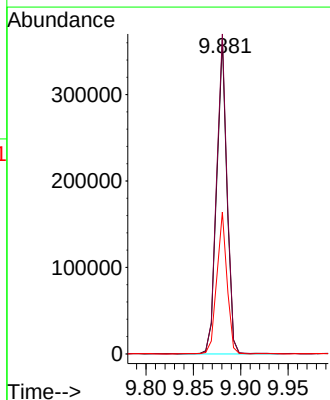
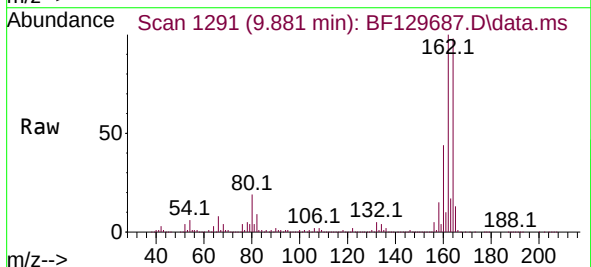
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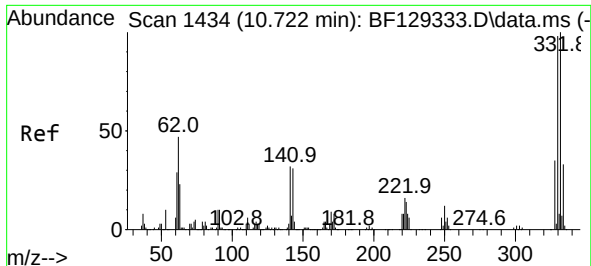
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:164 Resp: 274822
Ion Ratio Lower Upper
164 100
162 101.9 79.5 119.3
160 45.2 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 83.617 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

Tgt Ion:330 Resp: 220933
Ion Ratio Lower Upper
330 100
332 102.8 76.8 115.2
141 36.1 28.0 42.0

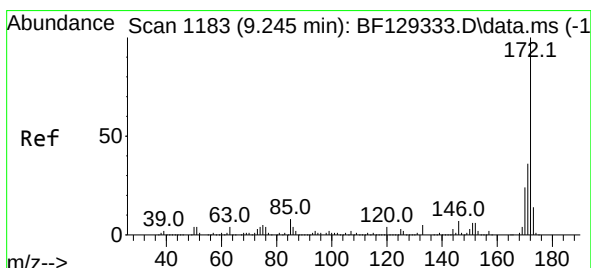
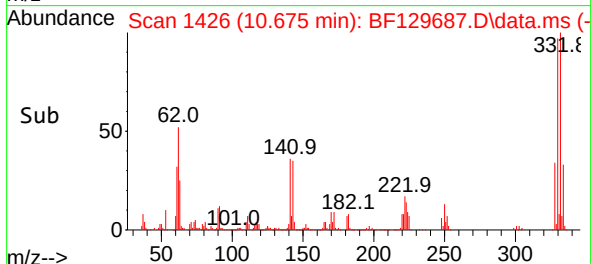
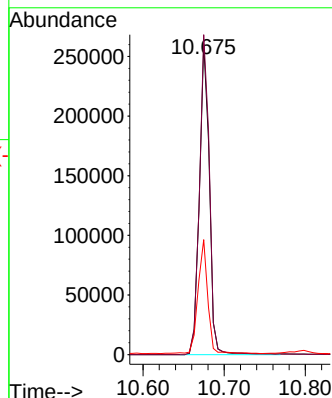
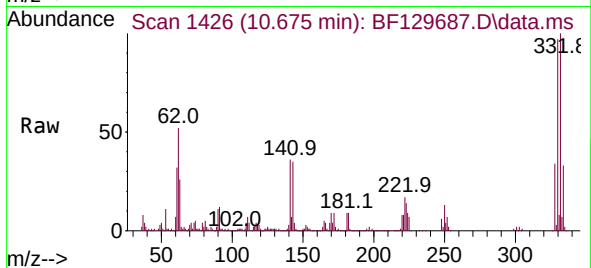
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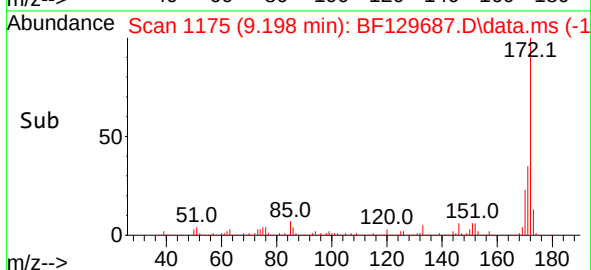
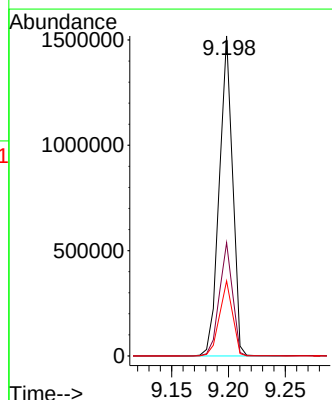
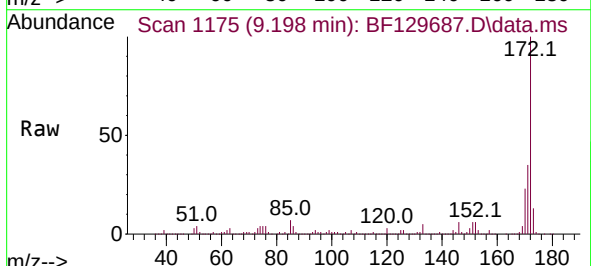
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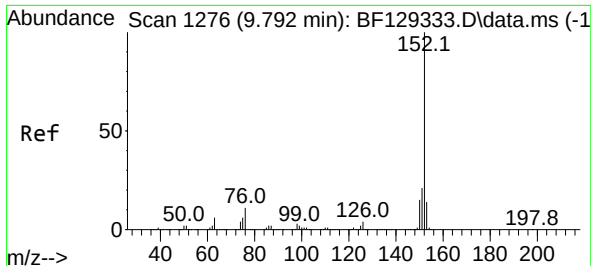
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#45
2-Fluorobiphenyl
Concen: 69.517 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:172 Resp: 1234995
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 19.8 29.8





#49

Acenaphthylene

Concen: 3.936 ng

RT: 9.739 min Scan# 1276

Delta R.T. -0.018 min

Lab File: BF129687.D

Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	14.1	10.7	16.1

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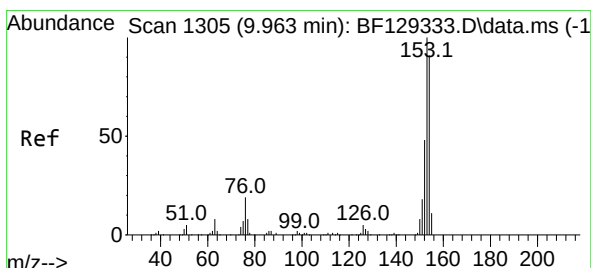
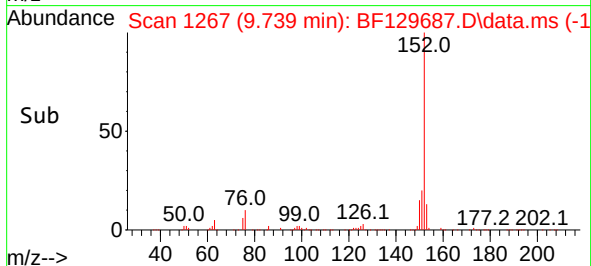
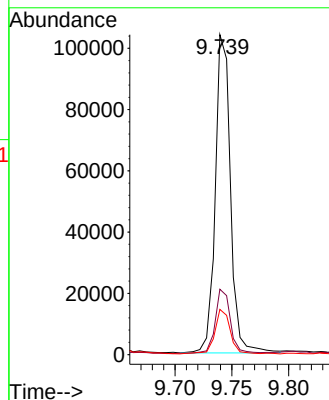
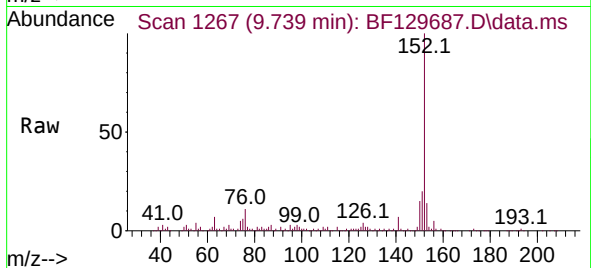
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#52

Acenaphthene

Concen: 4.040 ng

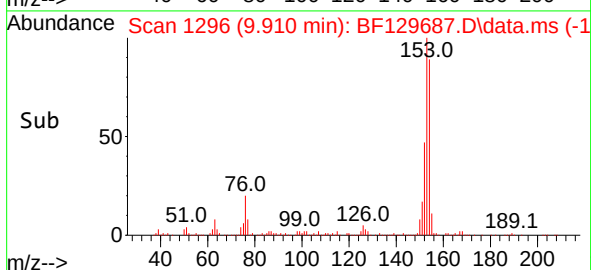
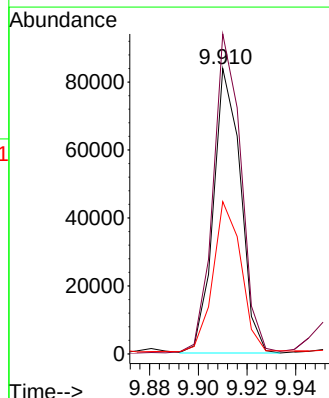
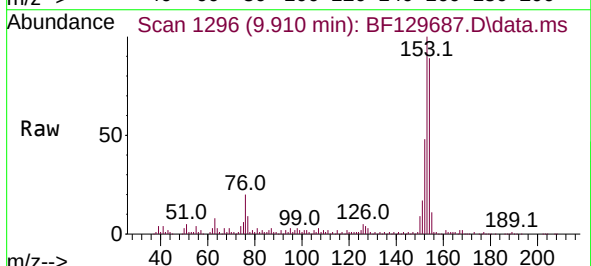
RT: 9.910 min Scan# 1296

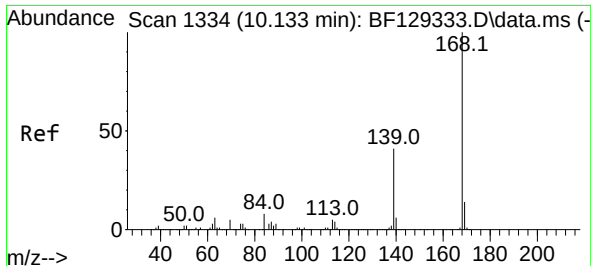
Delta R.T. -0.018 min

Lab File: BF129687.D

Acq: 10 Aug 2022 02:45

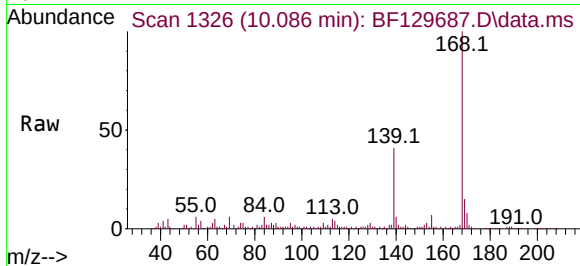
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.6	134.4
152	53.4	42.4	63.6





#55
Dibenzenofuran
Concen: 3.012 ng
RT: 10.086 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :
BNA_F
ClientSampleId :
PL-02-080522



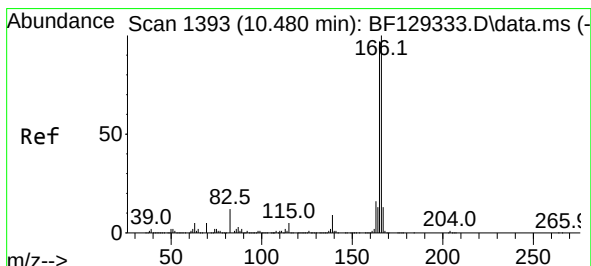
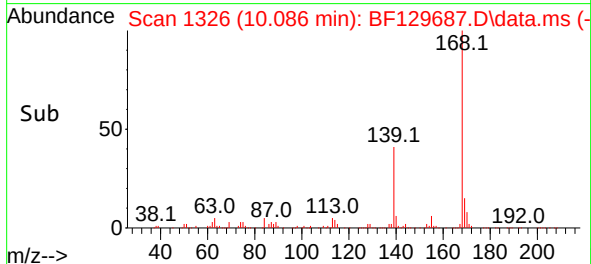
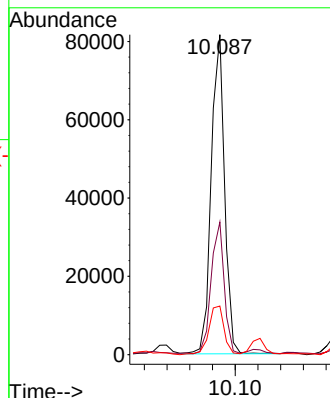
Tgt Ion:168 Resp: 66810
Ion Ratio Lower Upper
168 100
139 41.4 30.6 46.0
169 15.2 11.0 16.6

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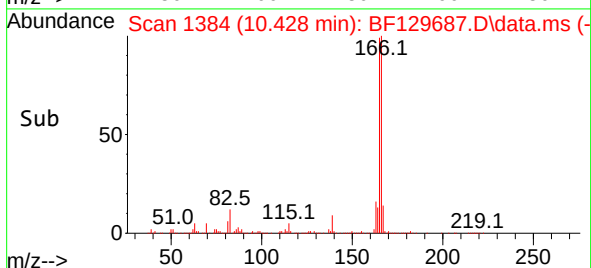
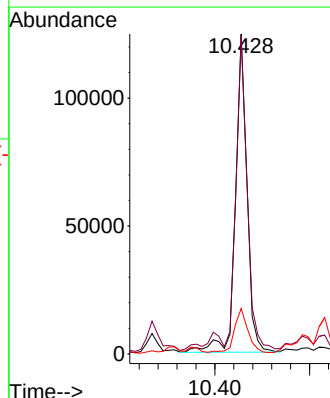
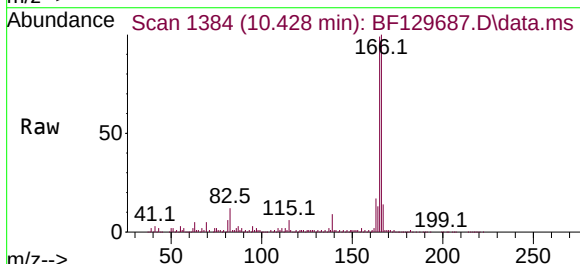
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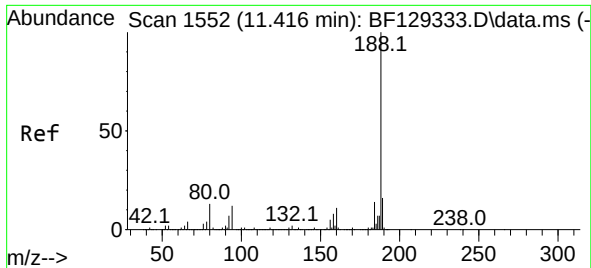
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#58
Fluorene
Concen: 5.979 ng
RT: 10.428 min Scan# 1384
Delta R.T. -0.018 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:166 Resp: 106125
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 14.2 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

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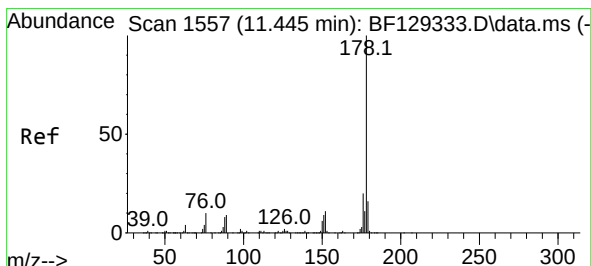
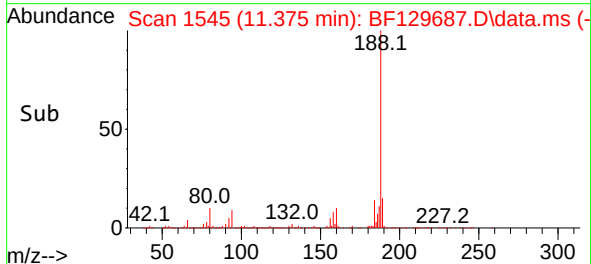
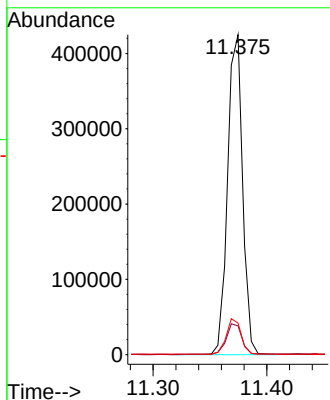
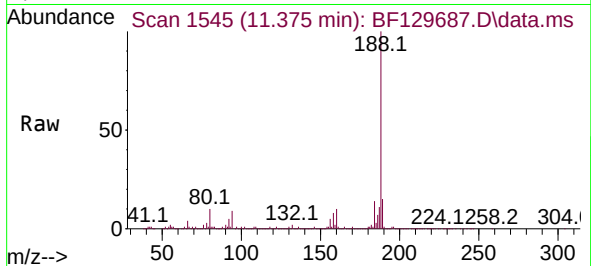
Tgt Ion:188 Resp: 390200
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.8 7.6 11.4

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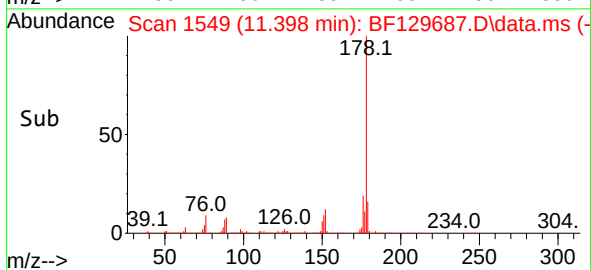
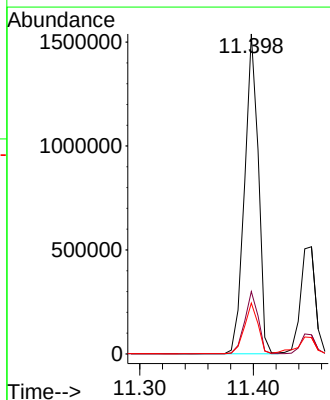
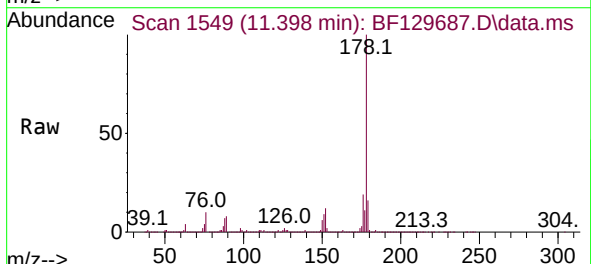
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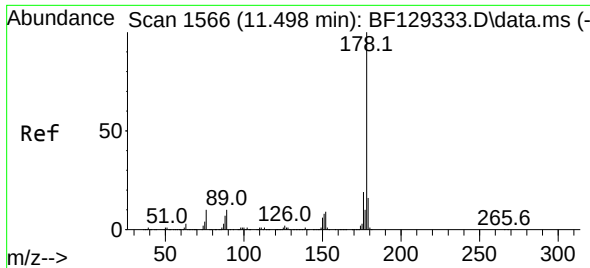
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#71
Phenanthrene
Concen: 60.706 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

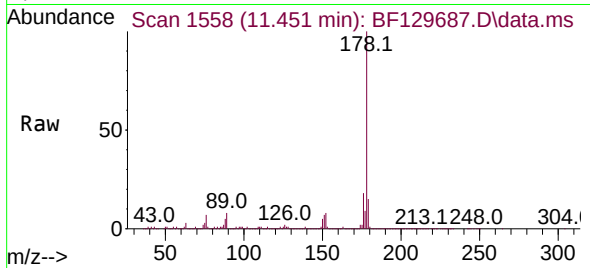
Tgt Ion:178 Resp: 1293035
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.9 12.6 19.0





#72
 Anthracene
 Concen: 21.973 ng
 RT: 11.451 min Scan# 1558
 Delta R.T. -0.012 min
 Lab File: BF129687.D
 Acq: 10 Aug 2022 02:45

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080522



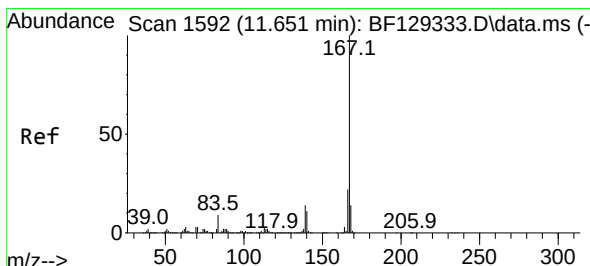
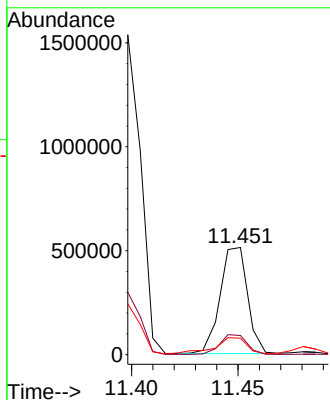
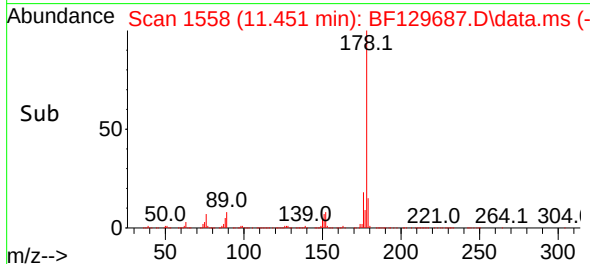
Tgt Ion:178 Resp: 459930
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.3 12.6 19.0

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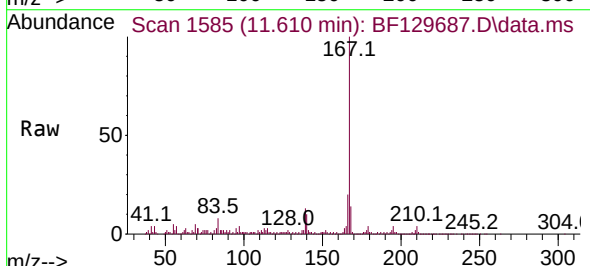
Reviewed By :Christian Giraldo 08/10/2022
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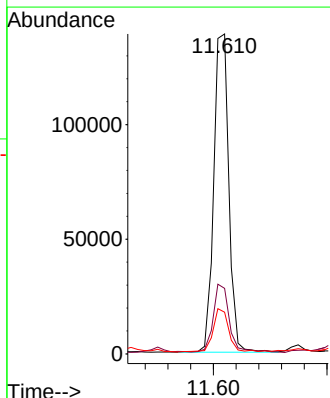
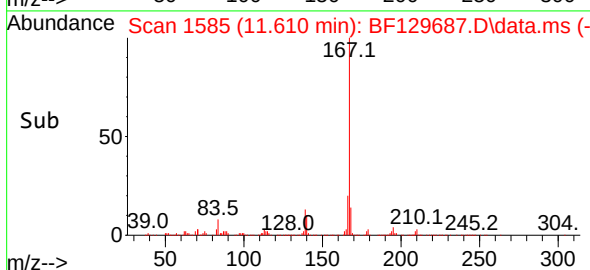
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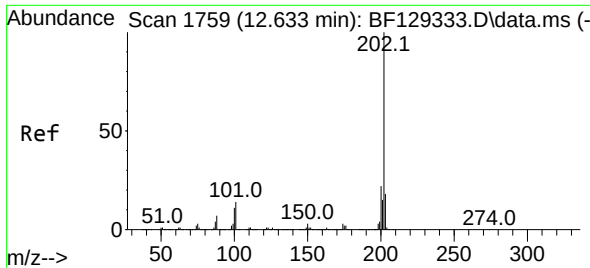


#73
 Carbazole
 Concen: 6.491 ng
 RT: 11.610 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF129687.D
 Acq: 10 Aug 2022 02:45



Tgt Ion:167 Resp: 127897
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.7 26.5
 139 13.0 11.2 16.8





#75
Fluoranthene
Concen: 116.255 ng
RT: 12.598 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:202 Resp: 2508990
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.4
203 18.8 0.0 38.0

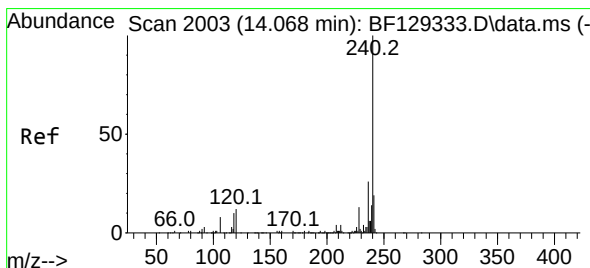
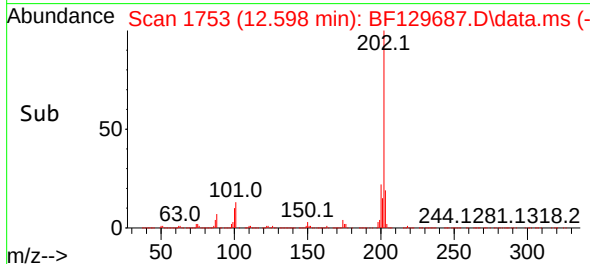
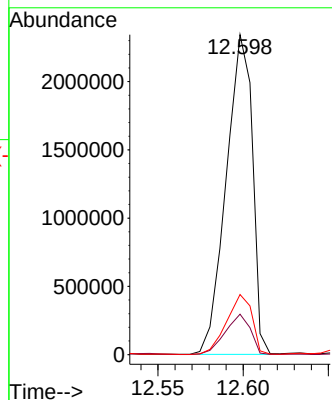
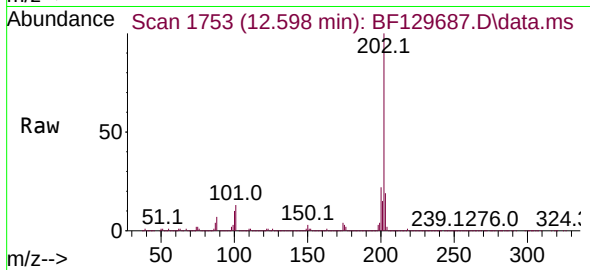
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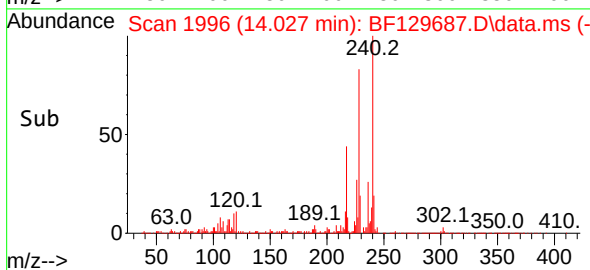
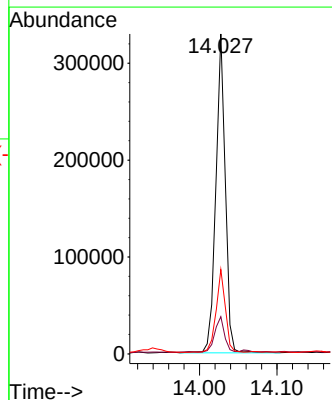
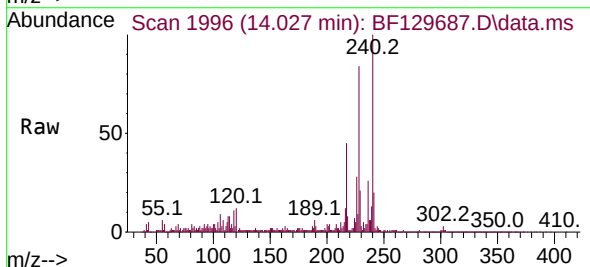
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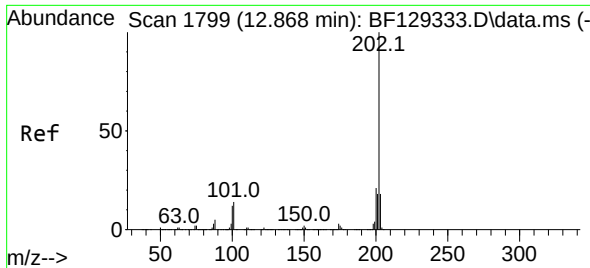
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

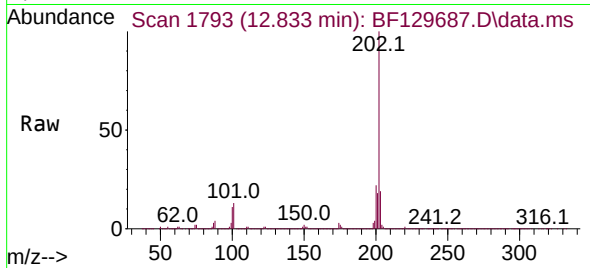
Tgt Ion:240 Resp: 279555
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 26.4 20.8 31.2





#78
Pyrene
Concen: 95.918 ng
RT: 12.833 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :
BNA_F
ClientSampleId :
PL-02-080522



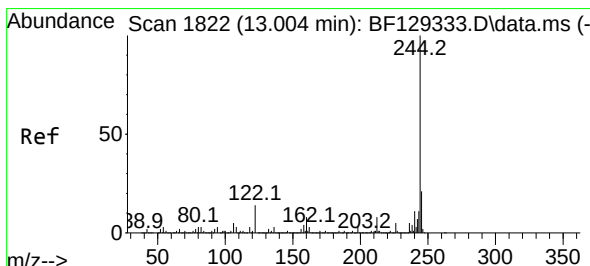
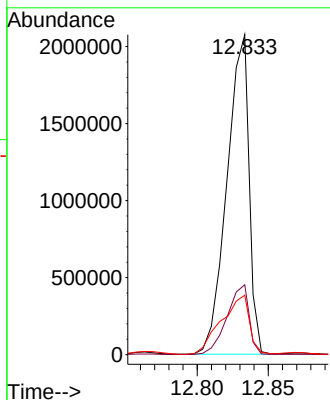
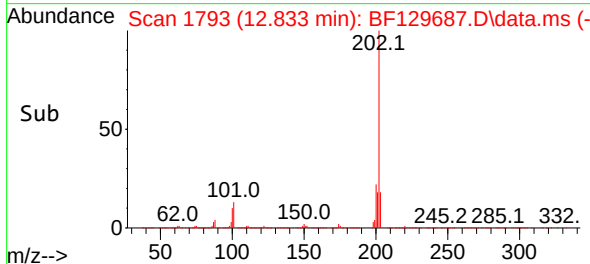
Tgt Ion:202 Resp: 2242279
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 18.6 14.6 21.8

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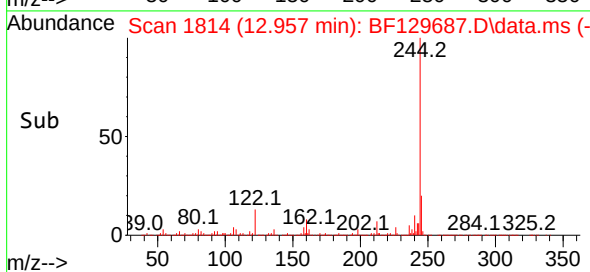
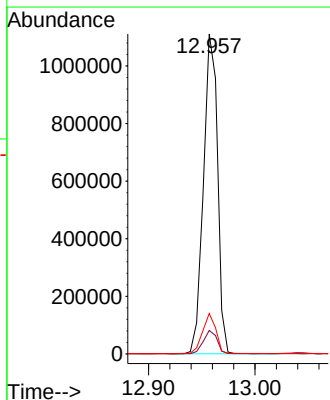
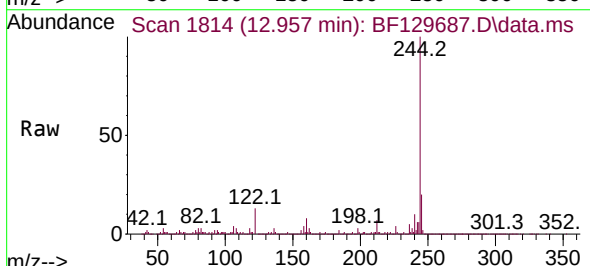
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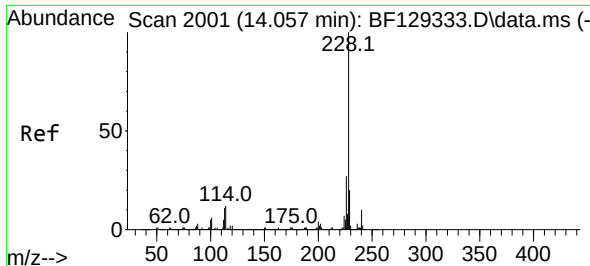
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#79
Terphenyl-d14
Concen: 68.667 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:244 Resp: 1017520
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 12.6 8.8 13.2





#81
Benzo(a)anthracene
Concen: 67.114 ng
RT: 14.016 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNF

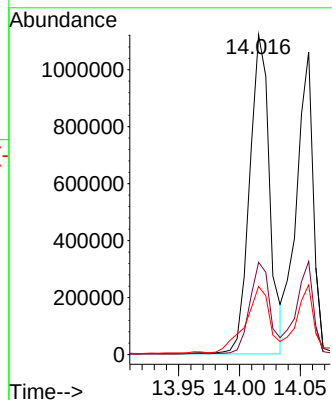
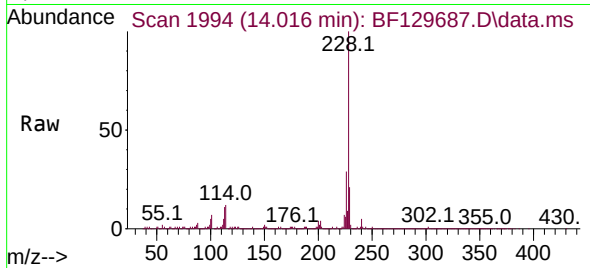
ClientSampleId :

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Tgt Ion:228 Resp: 1281626
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.3 15.8 23.8

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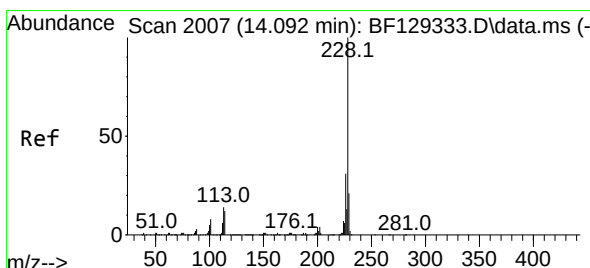
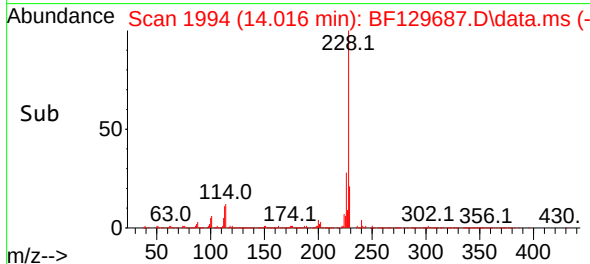
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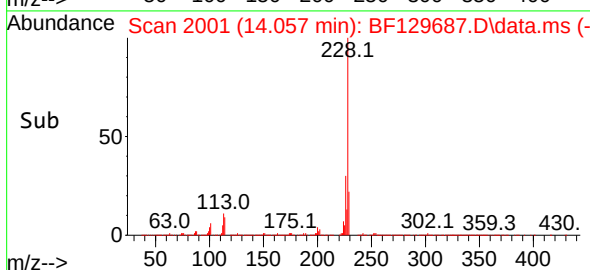
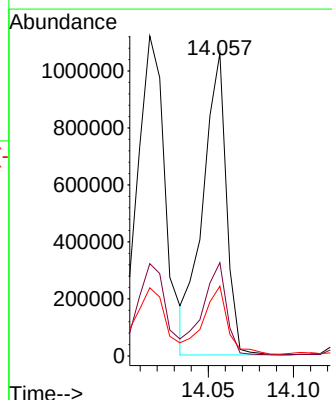
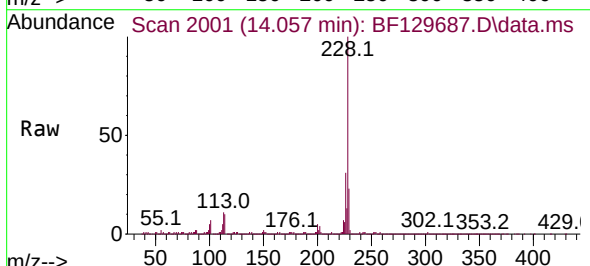
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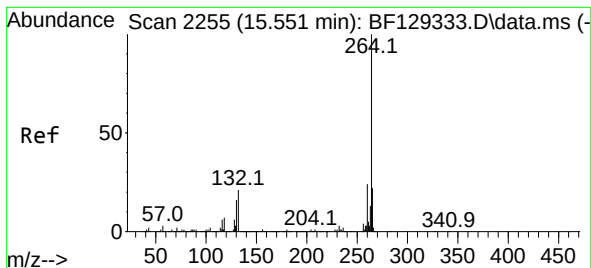
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#83
Chrysene
Concen: 56.763 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:228 Resp: 1021587
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 23.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

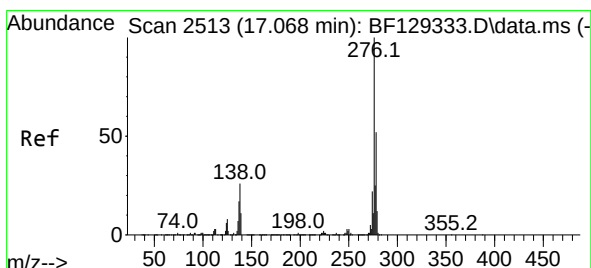
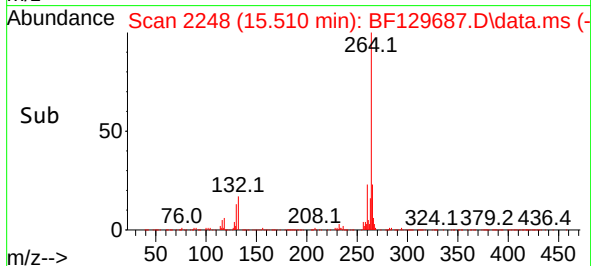
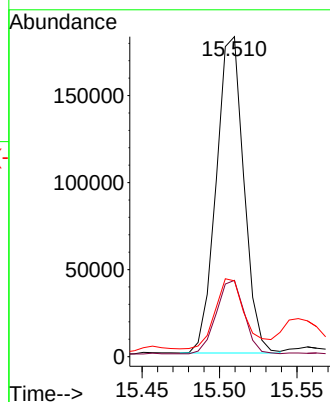
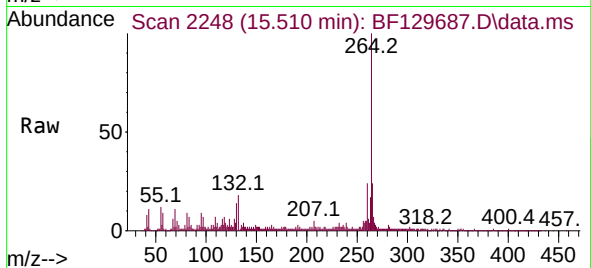
Tgt Ion:264 Resp: 22612
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 23.7 17.2 25.8

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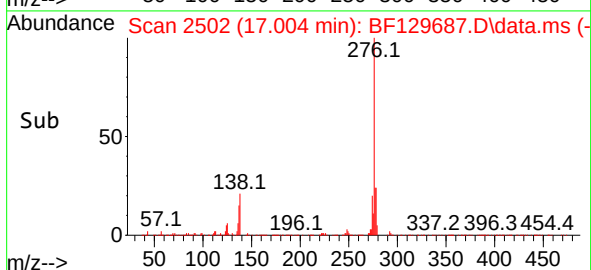
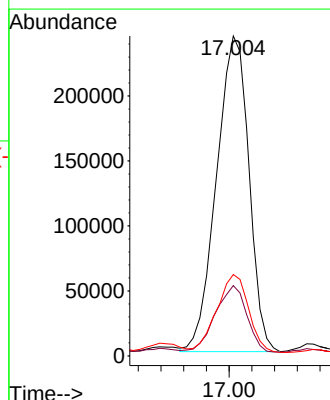
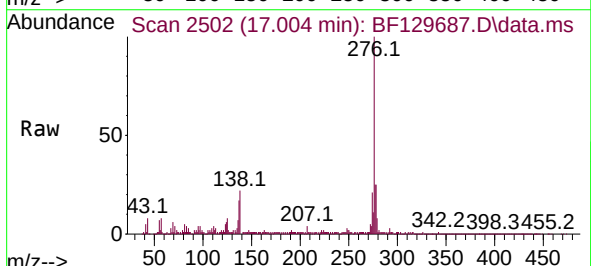
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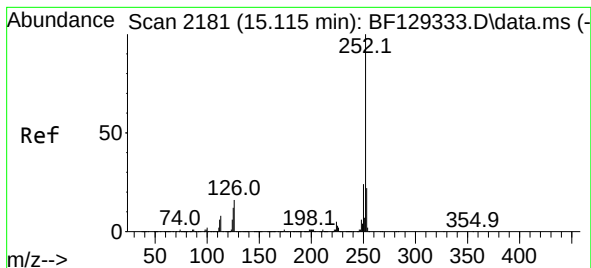
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#87
Indeno(1,2,3-cd)pyrene
Concen: 31.613 ng
RT: 17.004 min Scan# 2502
Delta R.T. 0.006 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:276 Resp: 481383
Ion Ratio Lower Upper
276 100
138 20.5 21.1 31.7#
277 24.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 77.468 ng m

RT: 15.080 min Scan# 2175

Delta R.T. 0.012 min

Lab File: BF129687.D

Acq: 10 Aug 2022 02:45

Instrument :

BNF

ClientSampleId :

PL-02-080522

Tgt Ion:252 Resp: 1161970

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.0 8.0 12.0

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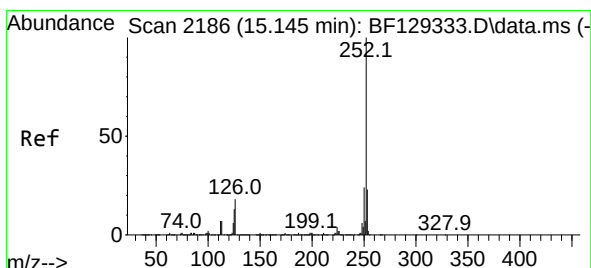
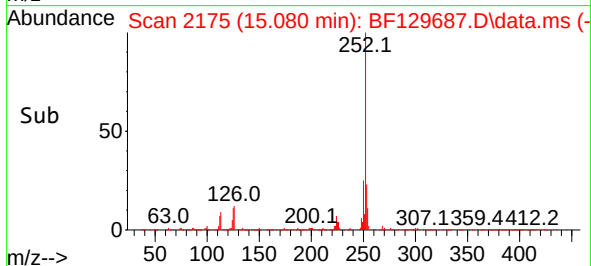
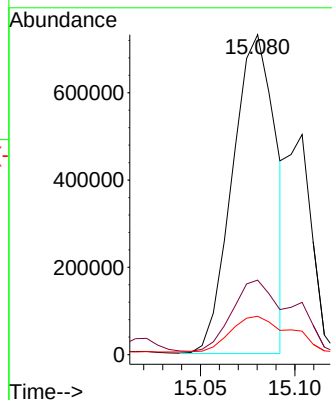
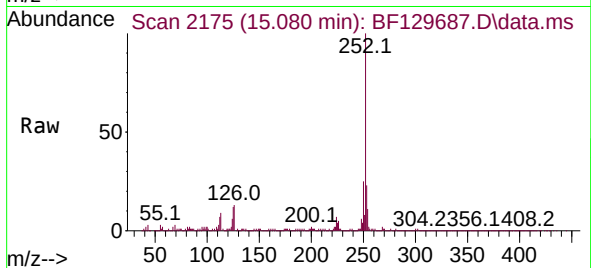
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Upadhyay

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#89

Benzo(k)fluoranthene

Concen: 30.288 ng m

RT: 15.104 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BF129687.D

Acq: 10 Aug 2022 02:45

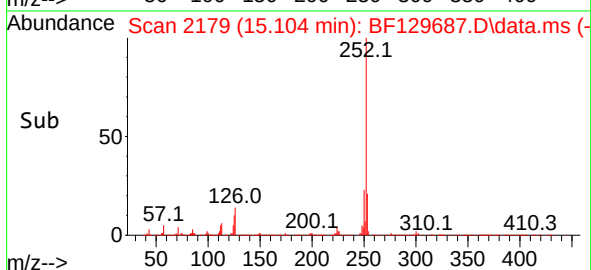
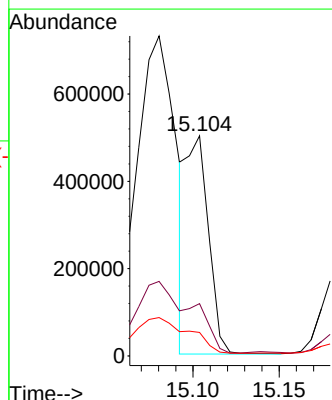
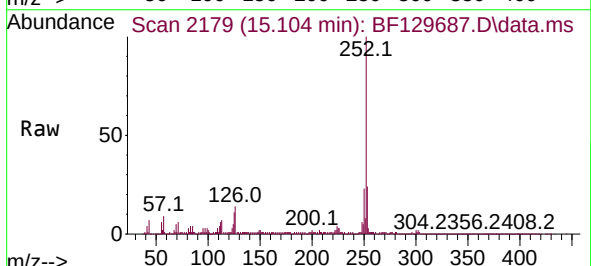
Tgt Ion:252 Resp: 445203

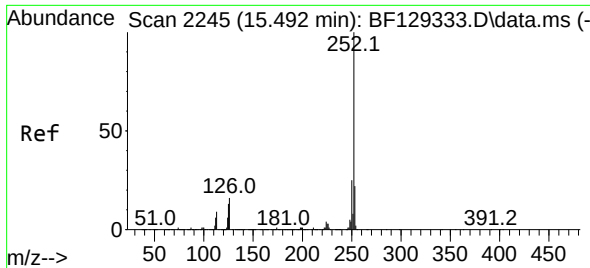
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 10.6 8.3 12.5





#90
Benzo(a)pyrene
Concen: 66.696 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

Tgt Ion:252 Resp: 812088
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 11.0 8.8 13.2

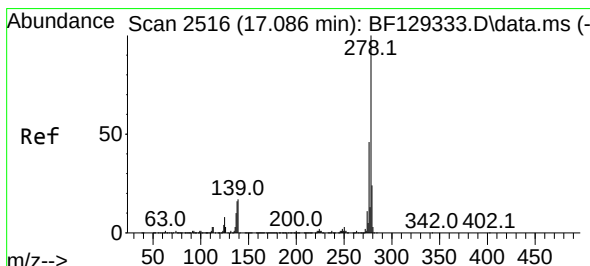
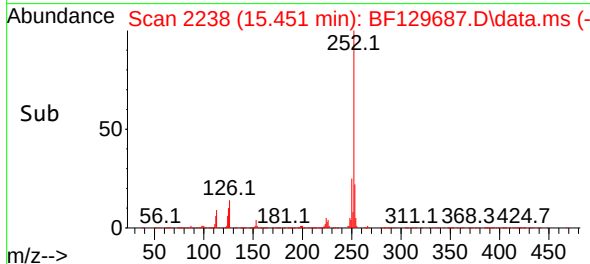
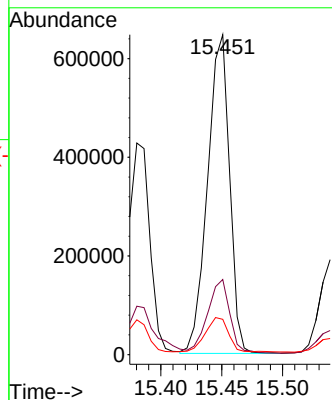
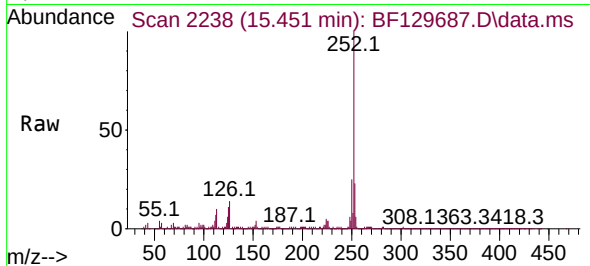
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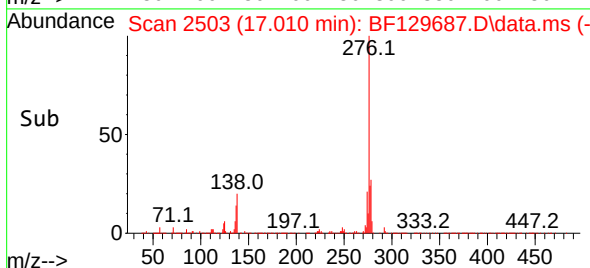
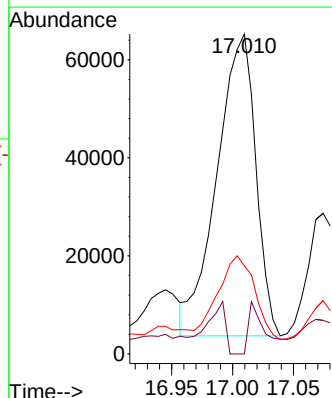
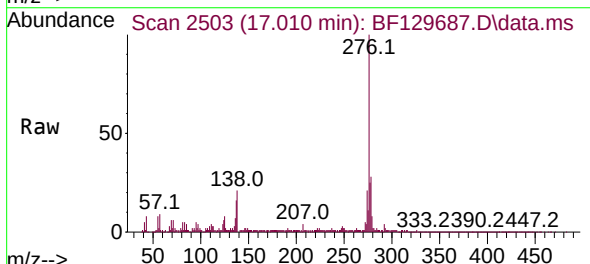
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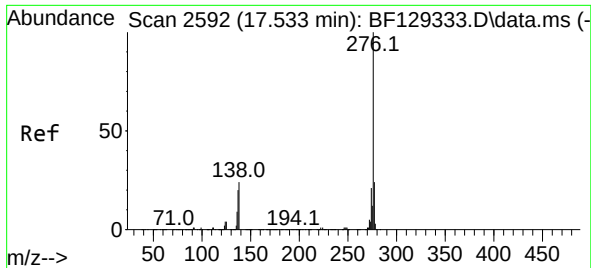
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#91
Dibenzo(a,h)anthracene
Concen: 11.037 ng
RT: 17.010 min Scan# 2503
Delta R.T. 0.000 min
Lab File: BF129687.D
Acq: 10 Aug 2022 02:45

Tgt Ion:278 Resp: 136782
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 27.5 18.6 28.0





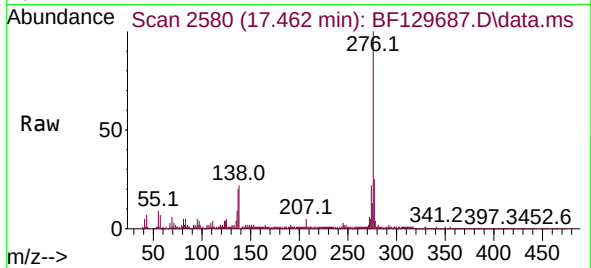
#92
 Benzo(g,h,i)perylene
 Concen: 34.025 ng
 RT: 17.462 min Scan# 2580
 Delta R.T. 0.012 min
 Lab File: BF129687.D
 Acq: 10 Aug 2022 02:45

Instrument :

BNA_F

ClientSampleId :

PL-02-080522



Tgt Ion: 276 Resp: 430894
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.1 28.7
 138 21.6 18.0 27.0

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 Supervised By : Jagrut Upadhyay 08/10/2022

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 Upadhyay

08/10/2022

