

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129615.D
 Acq On : 05 Aug 2022 23:32
 Operator : CG\JU
 Sample : N3960-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-160

Manual Integrations
 APPROVED

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

Supervised By : Jagrut
 Upadhyay
 08/08/2022

Quant Time: Aug 08 02:04:21 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	145712	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	522690	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	225195	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	341149	20.000	ng	0.00
76) Chrysene-d12	14.015	240	309458	20.000	ng	-0.01
86) Perylene-d12	15.492	264	250538	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	885832	99.032	ng	0.00
7) Phenol-d6	6.498	99	1151451	102.413	ng	0.00
23) Nitrobenzene-d5	7.410	82	682638	71.293	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	232765	107.509	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1200443	82.463	ng	0.00
79) Terphenyl-d14	12.957	244	1180087	71.943	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	77658	3.847	ng	98
71) Phenanthrene	11.392	178	111835	6.005	ng	98
75) Fluoranthene	12.586	202	163826	8.682	ng	98
78) Pyrene	12.816	202	295924	11.435	ng	98
81) Benzo(a)anthracene	14.004	228	131633m	6.227	ng	
83) Chrysene	14.045	228	149055	7.482	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	51934	3.078	ng	98
88) Benzo(b)fluoranthene	15.062	252	129510m	7.793	ng	
90) Benzo(a)pyrene	15.427	252	99985	7.411	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	68700	4.896	ng	95

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

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ALS Vial : 12 Sample Multiplier: 1

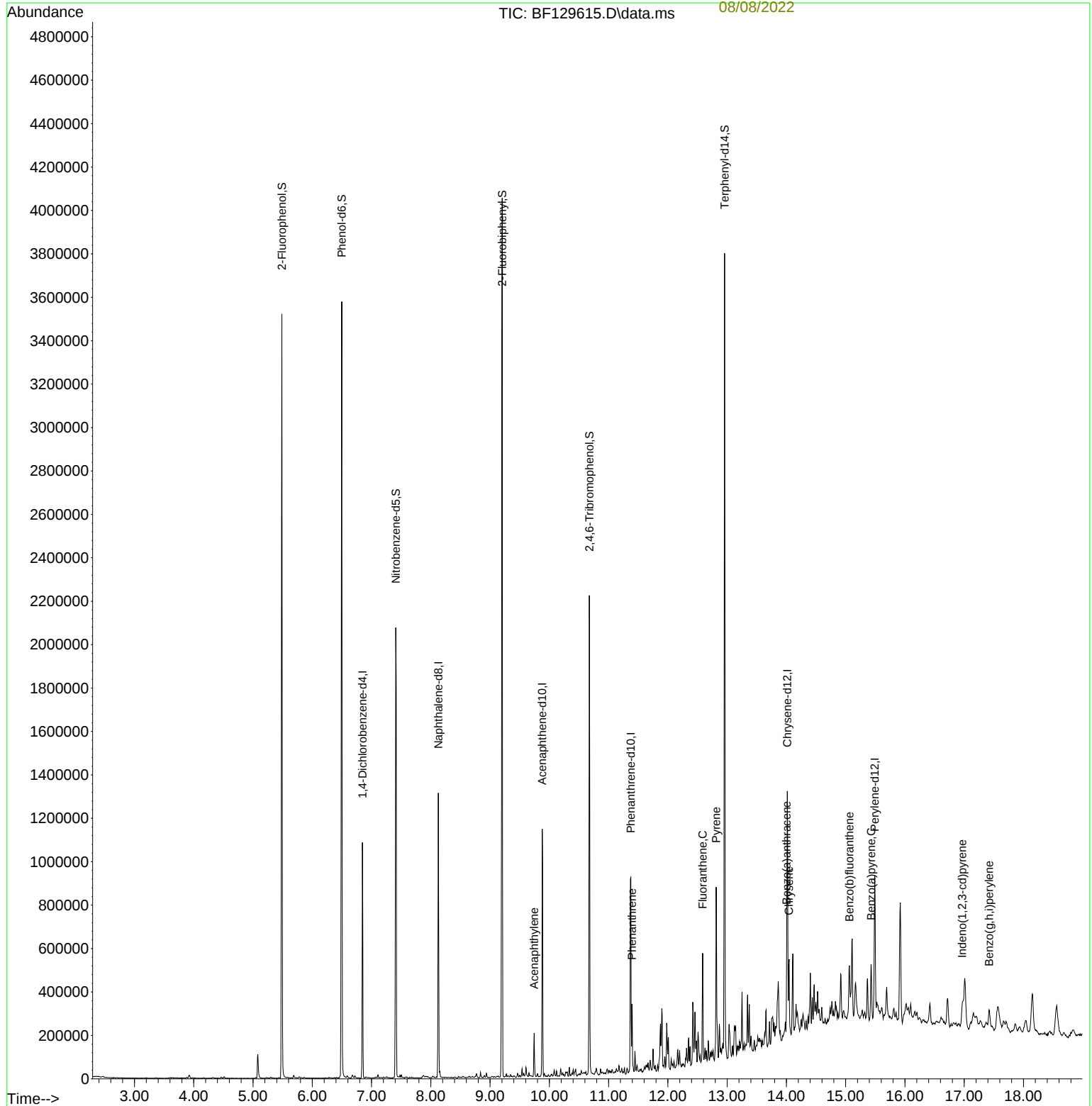
Instrument :
BNA_F
ClientSampleId :
RVE-160

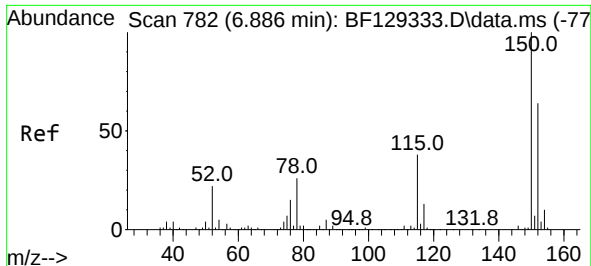
Quant Time: Aug 08 02:04:21 2022
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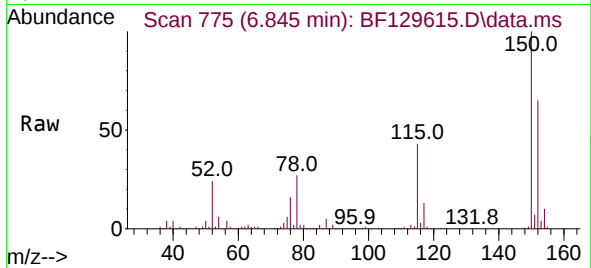
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

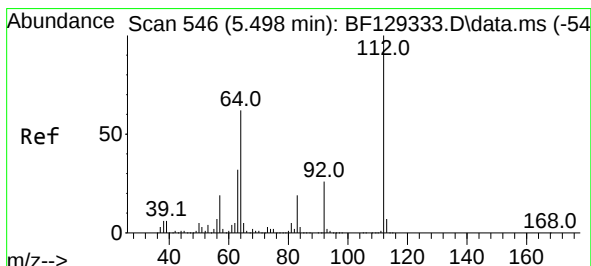
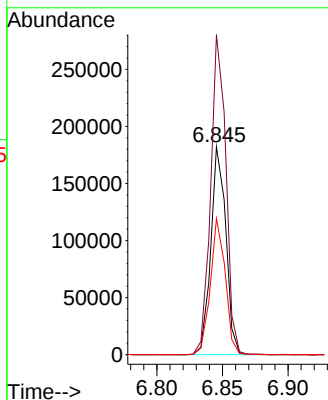
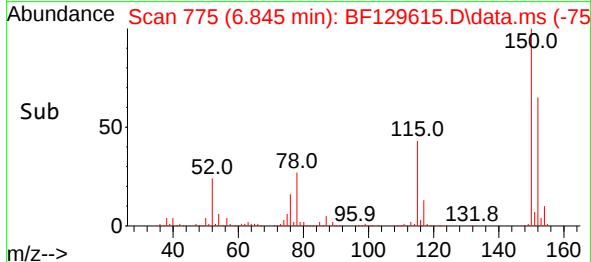


Tgt Ion:152 Resp: 145712
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 65.5 49.9 74.9

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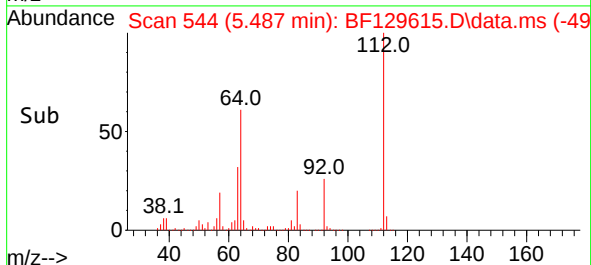
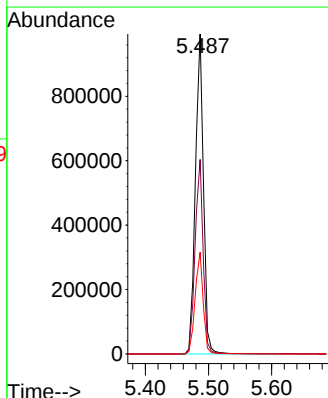
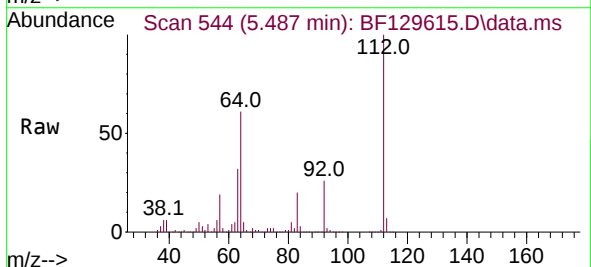
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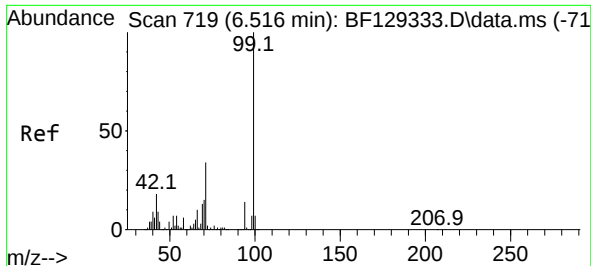
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#5
2-Fluorophenol
Concen: 99.032 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

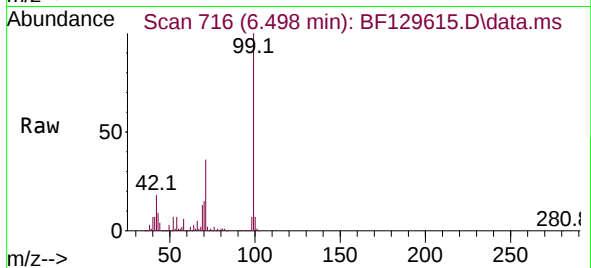
Tgt Ion:112 Resp: 885832
Ion Ratio Lower Upper
112 100
64 60.8 53.3 79.9
63 31.8 28.0 42.0





#7
Phenol-d6
Concen: 102.413 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

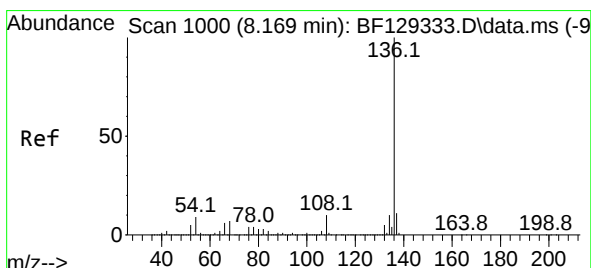
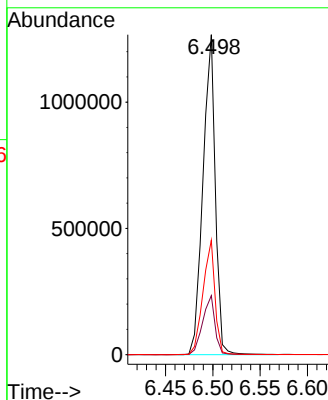
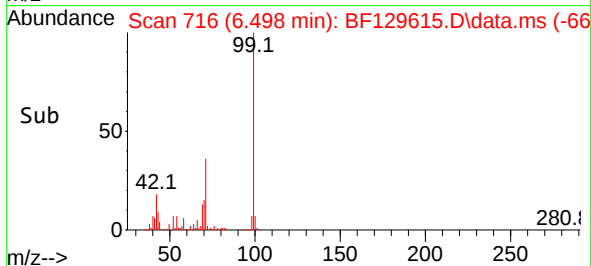


Tgt Ion: 99 Resp: 115145
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.7 28.9 43.3

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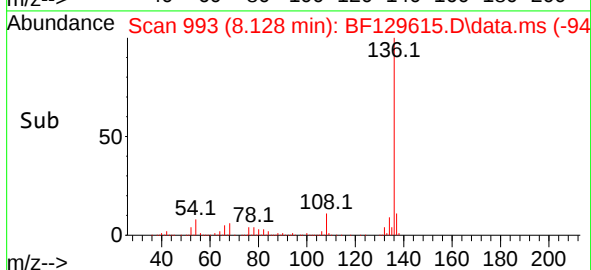
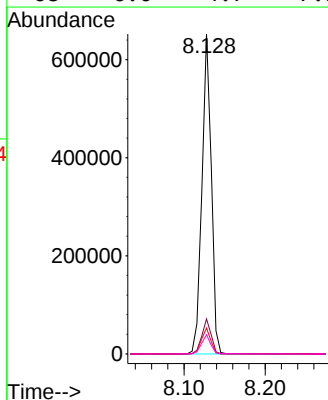
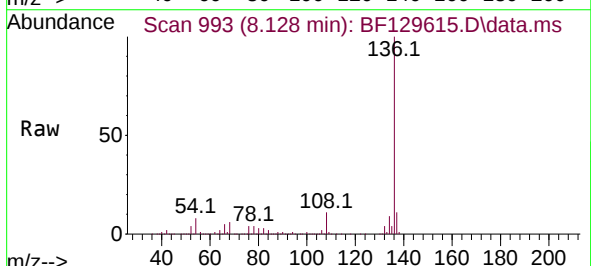
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Supervised By :Jagrut Upadhyay 08/08/2022

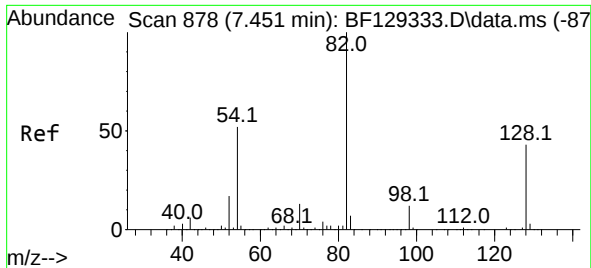
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

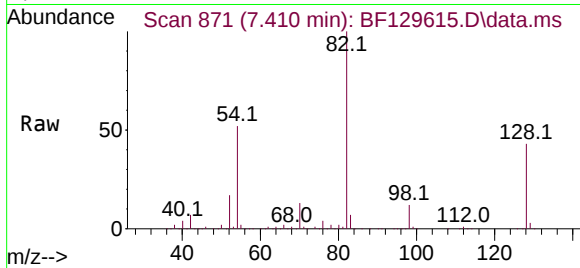
Tgt Ion:136 Resp: 522690
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 7.5 11.3
68 6.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 71.293 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

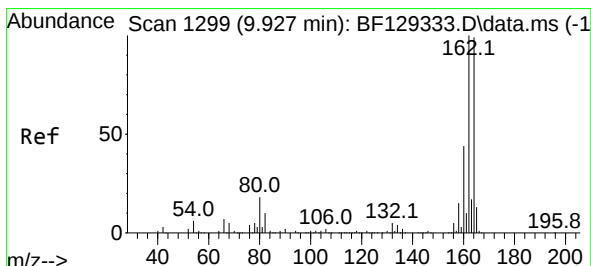
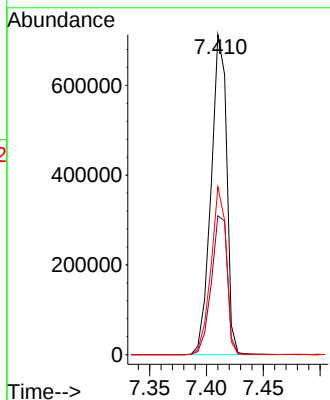
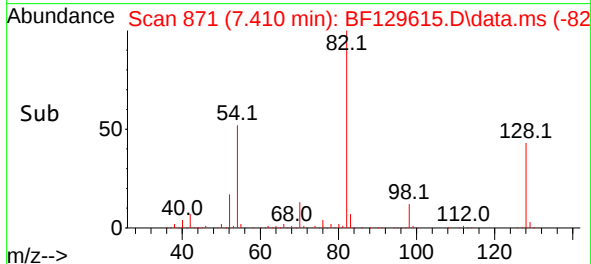


Tgt Ion: 82 Resp: 682638
Ion Ratio Lower Upper
82 100
128 43.4 34.0 51.0
54 52.4 46.9 70.3

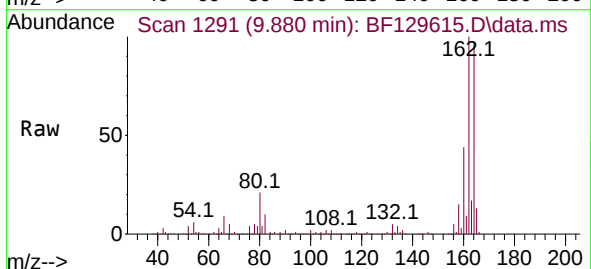
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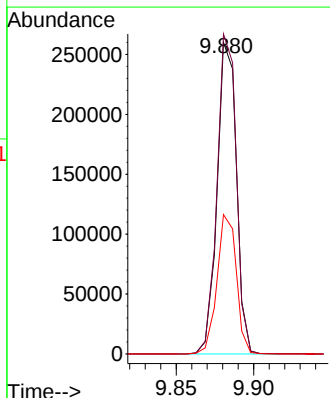
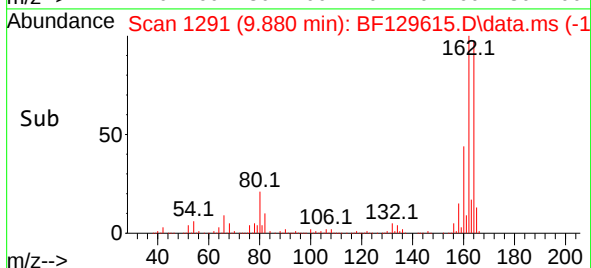
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32



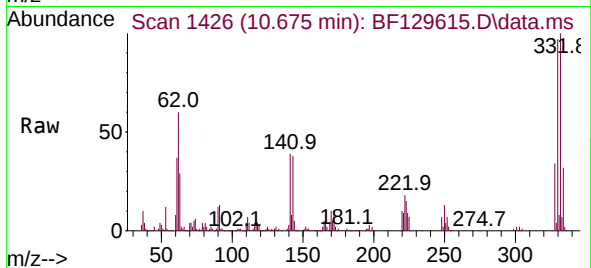
Tgt Ion:164 Resp: 225195
Ion Ratio Lower Upper
164 100
162 102.7 79.5 119.3
160 44.7 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 107.509 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

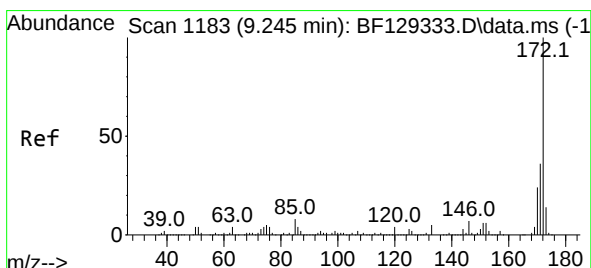
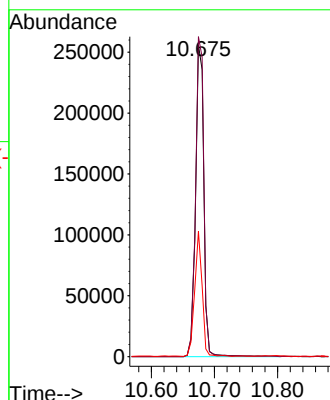


Tgt Ion: 330 Resp: 232765
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 36.1 28.0 42.0

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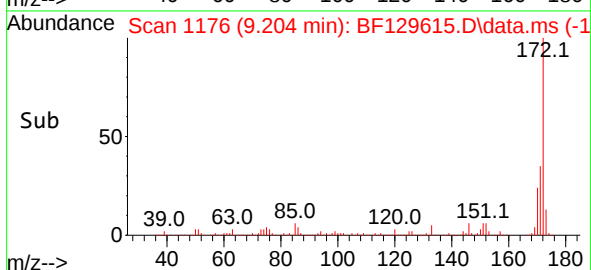
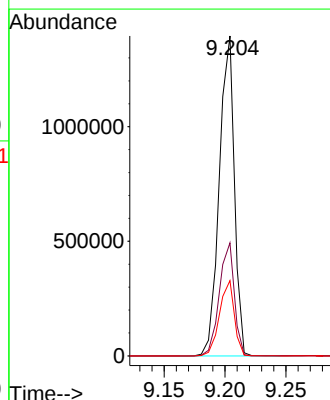
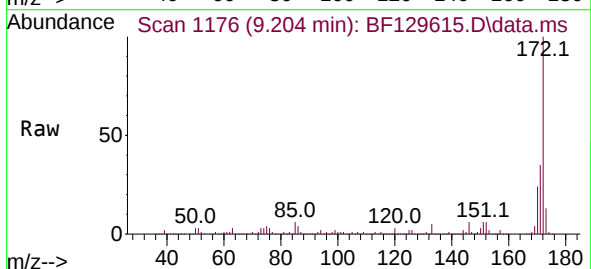
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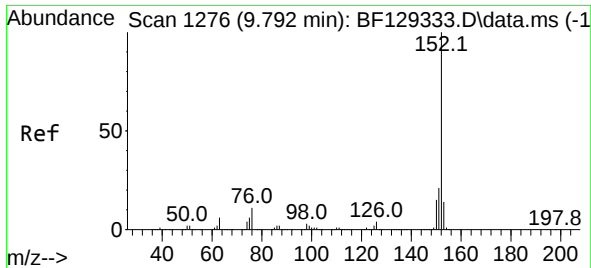
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Upadhyay
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#45
2-Fluorobiphenyl
Concen: 82.463 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

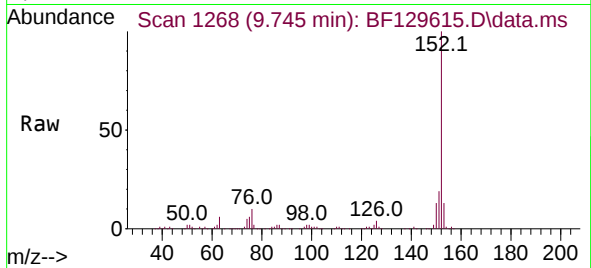
Tgt Ion: 172 Resp: 1200443
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 19.8 29.8





#49
Acenaphthylene
Concen: 3.847 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

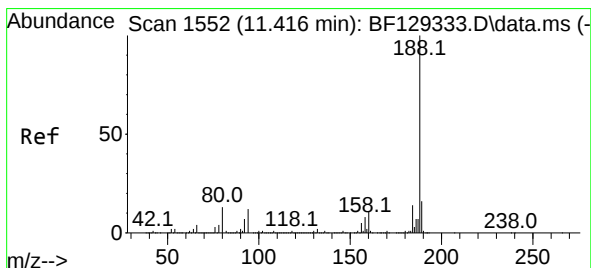
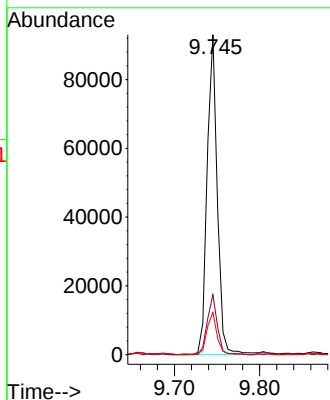
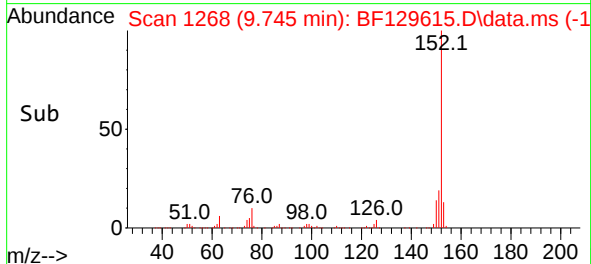


Tgt Ion:152 Resp: 77658
Ion Ratio Lower Upper
152 100
151 18.7 16.2 24.4
153 13.2 10.7 16.1

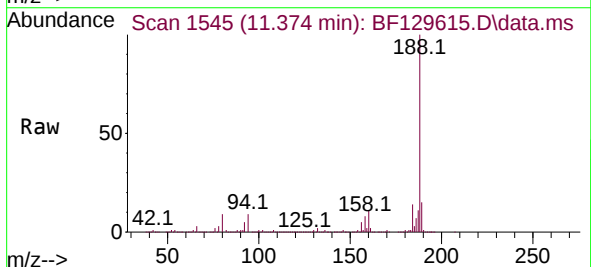
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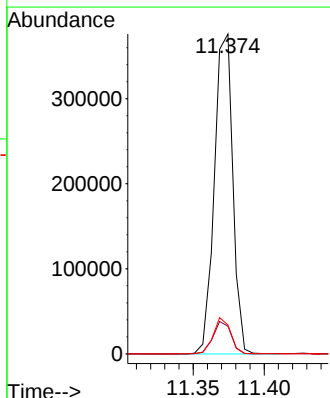
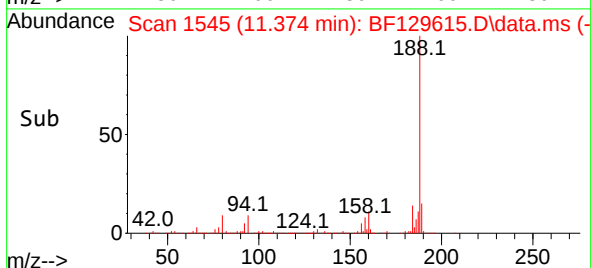
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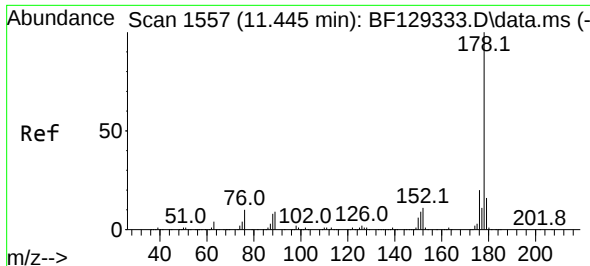


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32



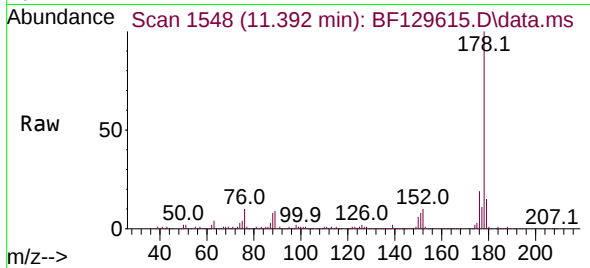
Tgt Ion:188 Resp: 341149
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.0 7.6 11.4





#71
Phenanthrene
Concen: 6.005 ng
RT: 11.392 min Scan# 111835
Delta R.T. -0.018 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

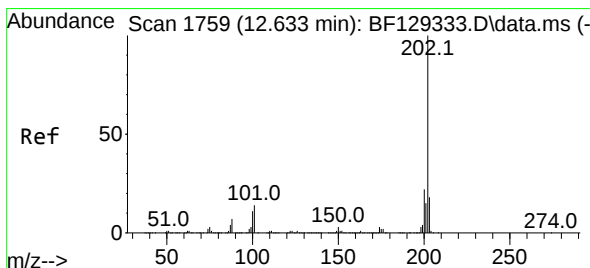
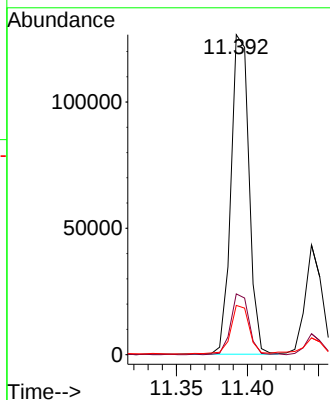
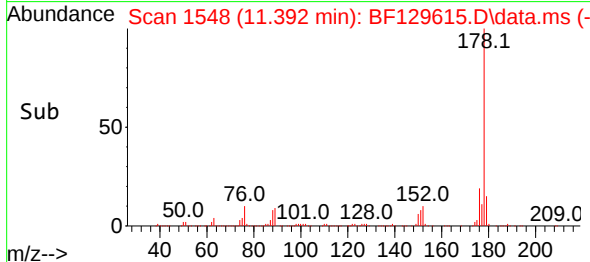


Tgt Ion:178 Resp: 111835
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.4 12.6 19.0

Manual Integrations
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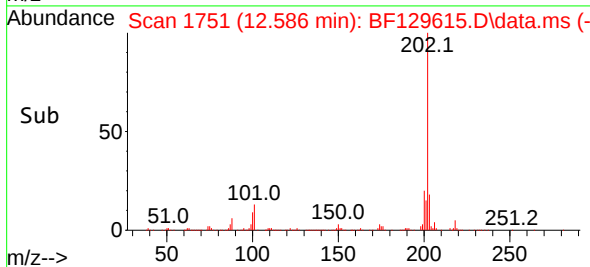
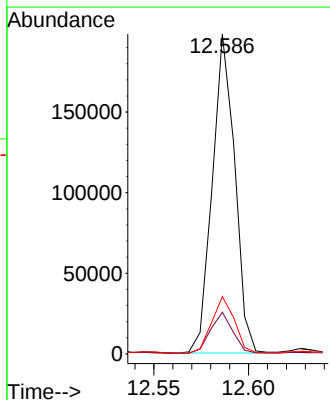
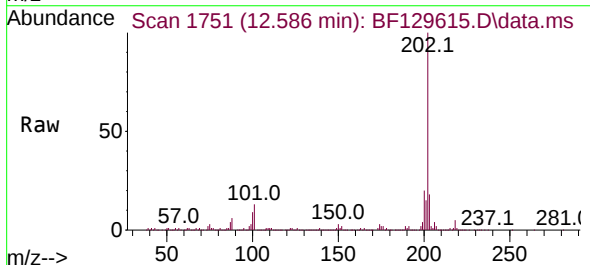
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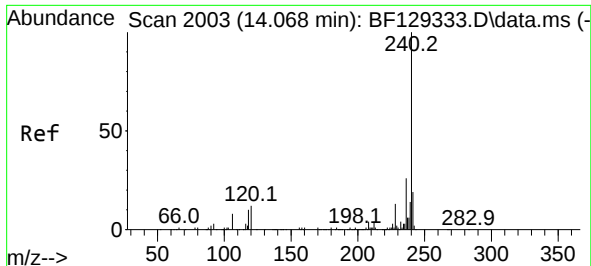
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Upadhyay
08/08/2022



#75
Fluoranthene
Concen: 8.682 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

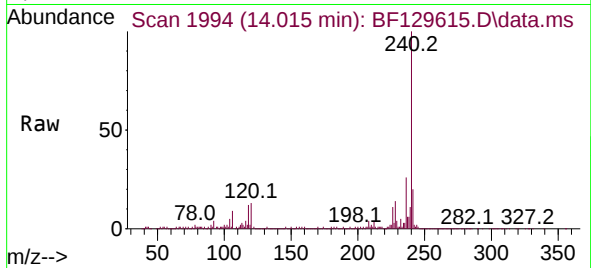
Tgt Ion:202 Resp: 163826
Ion Ratio Lower Upper
202 100
101 13.0 0.0 31.4
203 17.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

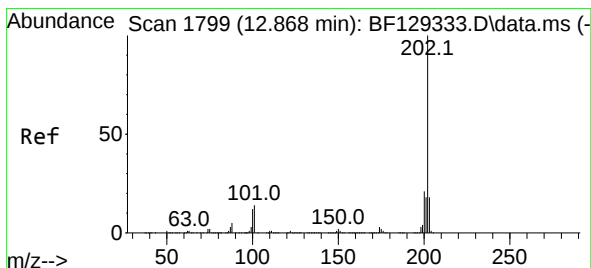
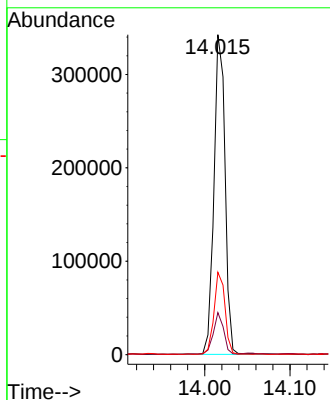
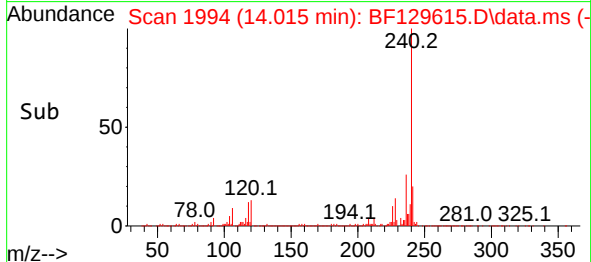


Tgt Ion:240 Resp: 309458
Ion Ratio Lower Upper
240 100
120 13.1 8.9 13.3
236 25.7 20.8 31.2

Manual Integrations
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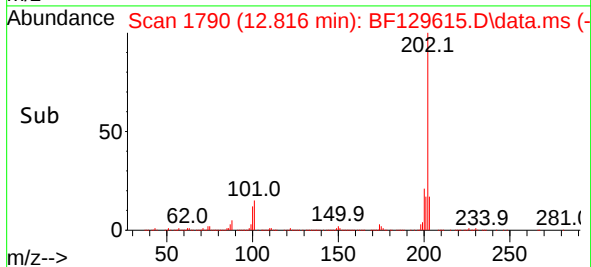
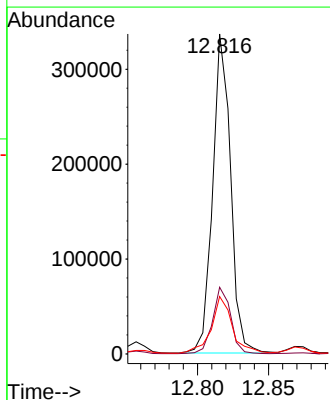
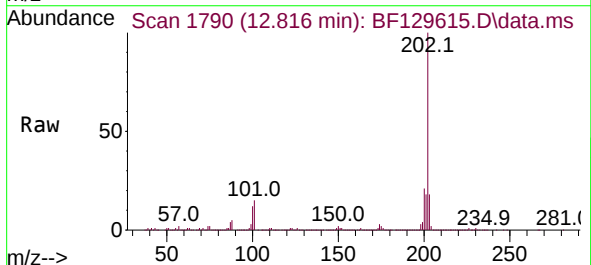
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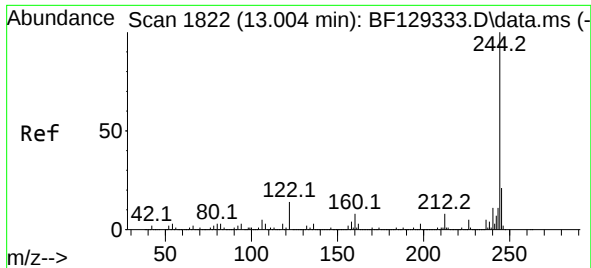
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#78
Pyrene
Concen: 11.435 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Tgt Ion:202 Resp: 295924
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.9 14.6 21.8





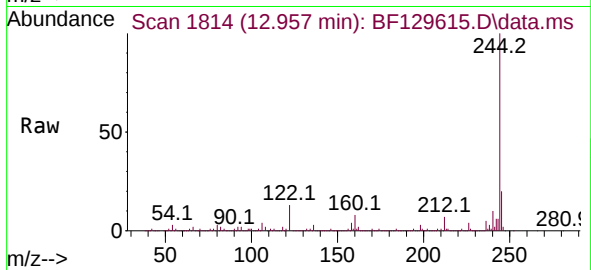
#79
Terphenyl-d14
Concen: 71.943 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :

BNA_F

ClientSampleId :

RVE-160

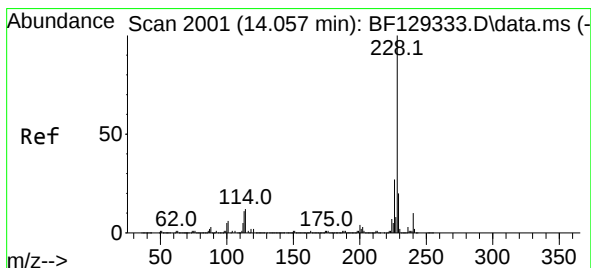
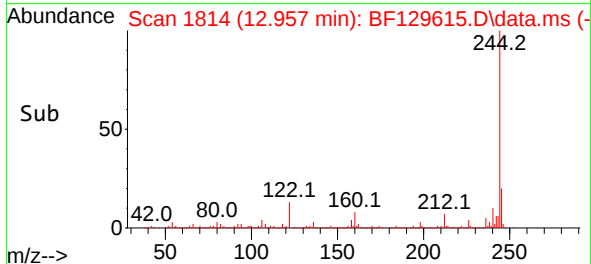
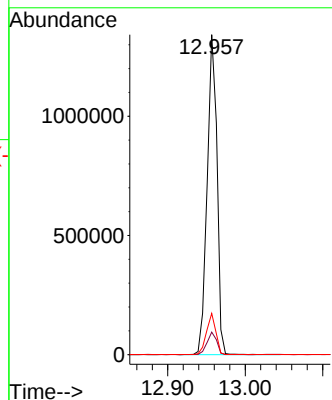


Tgt Ion:244 Resp: 1180087
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 12.9 8.8 13.2

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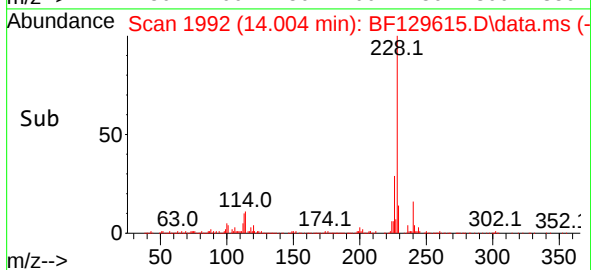
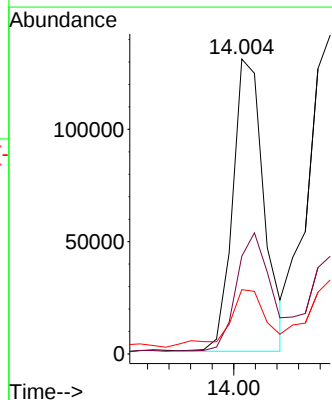
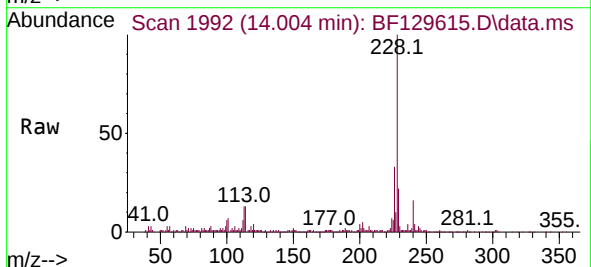
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

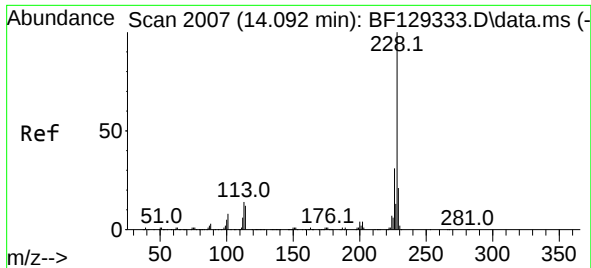
Supervised By :Jagrut
Upadhyay
08/08/2022



#81
Benzo(a)anthracene
Concen: 6.227 ng m
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

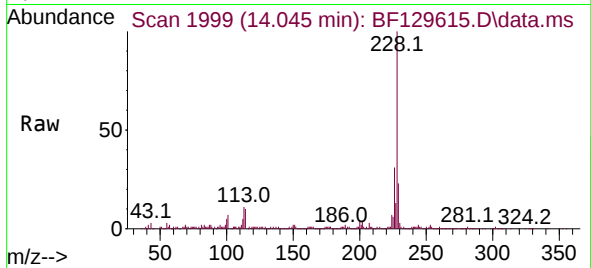
Tgt Ion:228 Resp: 131633
Ion Ratio Lower Upper
228 100
226 33.1 22.1 33.1#
229 21.8 15.8 23.8





#83
Chrysene
Concen: 7.482 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

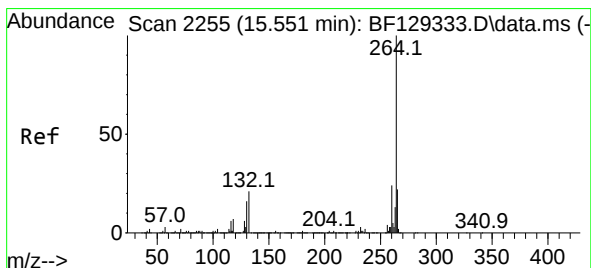
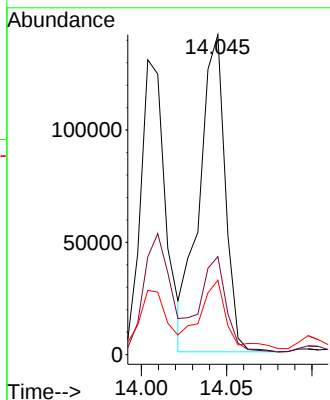
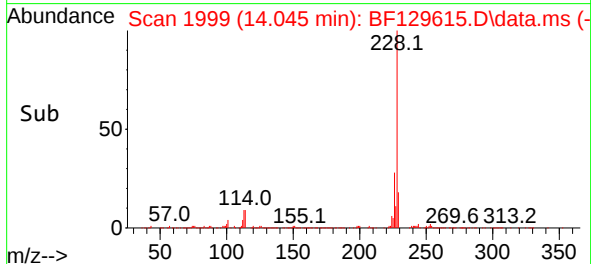


Tgt Ion:228 Resp: 149055
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.3 15.9 23.9

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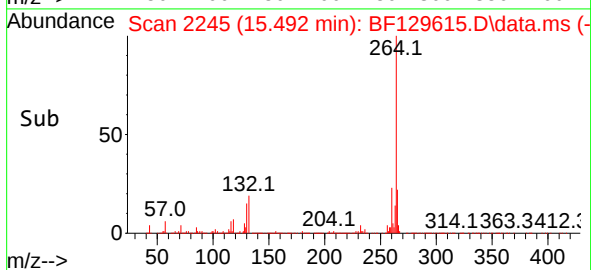
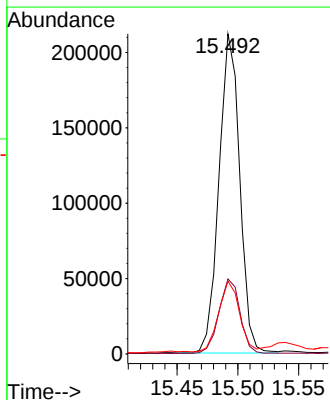
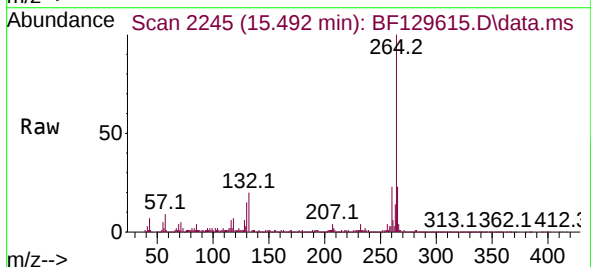
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

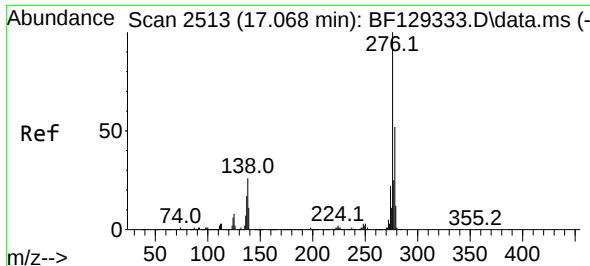
Supervised By :Jagrut
Upadhyay
08/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

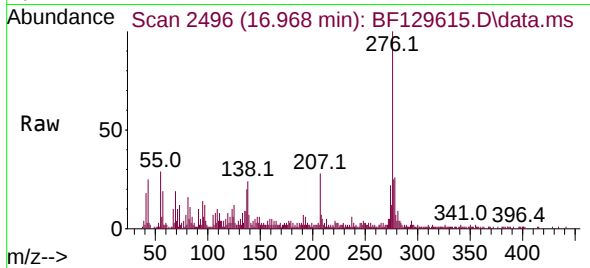
Tgt Ion:264 Resp: 250538
Ion Ratio Lower Upper
264 100
260 23.4 18.4 27.6
265 22.7 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.078 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :
BNA_F
ClientSampleId :
RVE-160

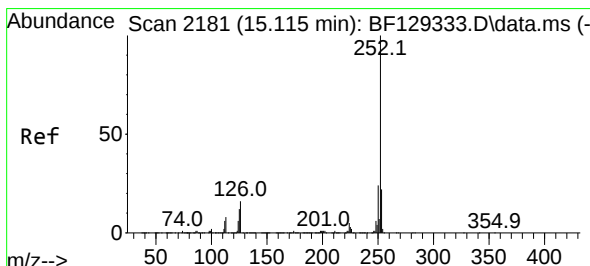
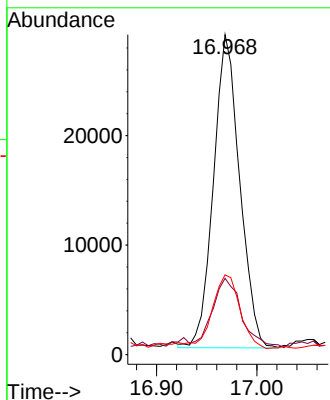
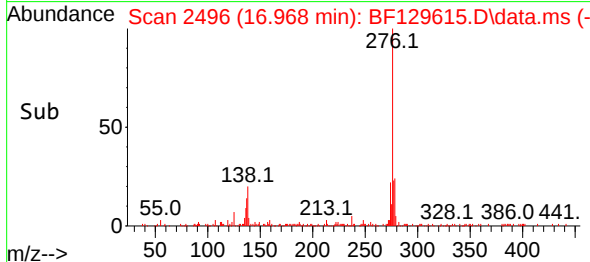


Tgt Ion:276 Resp: 51934
Ion Ratio Lower Upper
276 100
138 24.7 21.1 31.7
277 26.0 20.3 30.5

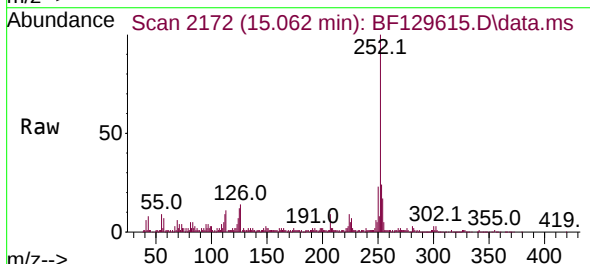
Manual Integrations
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Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

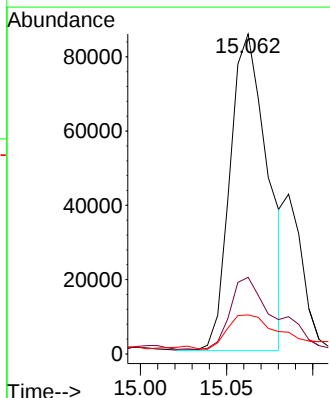
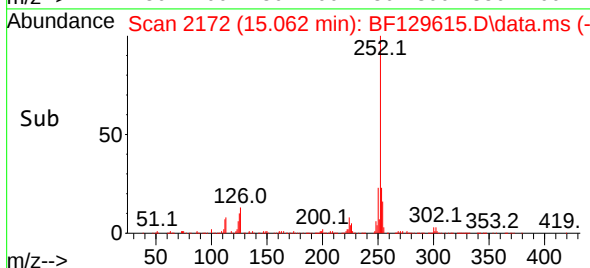
Supervised By :Jagrut
Upadhyay
08/08/2022

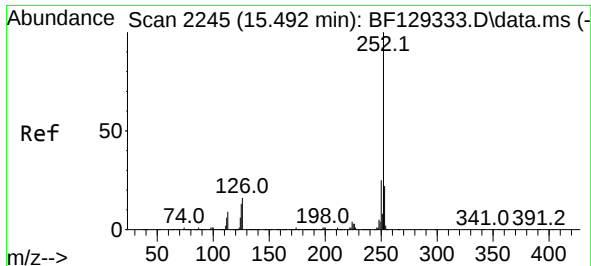


#88
Benzo(b)fluoranthene
Concen: 7.793 ng m
RT: 15.062 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32



Tgt Ion:252 Resp: 129510
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 12.2 8.0 12.0#





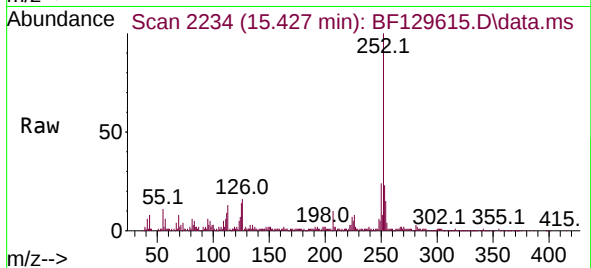
#90
Benzo(a)pyrene
Concen: 7.411 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32

Instrument :

BNA_F

ClientSampleId :

RVE-160

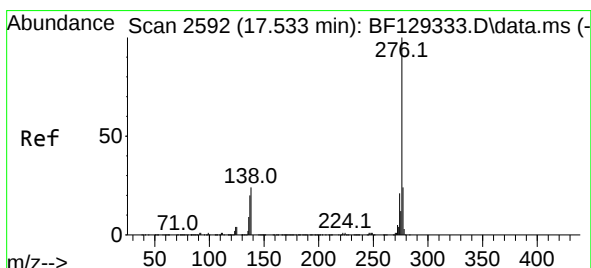
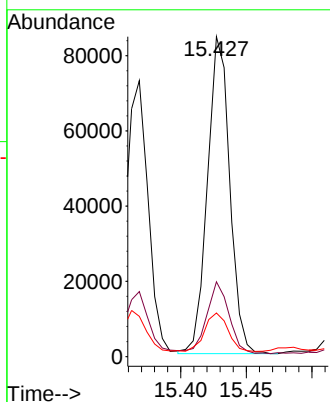
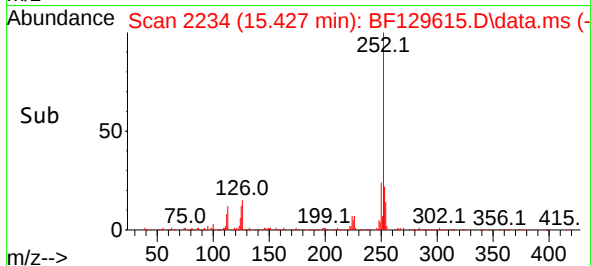


Tgt Ion:252 Resp: 99985
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 13.6 8.8 13.2

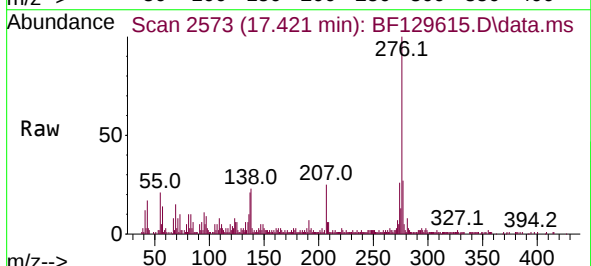
Manual Integrations
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Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

Supervised By :Jagrut
Upadhyay
08/08/2022



#92
Benzo(g,h,i)perylene
Concen: 4.896 ng
RT: 17.421 min Scan# 2573
Delta R.T. -0.029 min
Lab File: BF129615.D
Acq: 05 Aug 2022 23:32



Tgt Ion:276 Resp: 68700
Ion Ratio Lower Upper
276 100
277 27.5 19.1 28.7
138 23.5 18.0 27.0

