

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
 Data File : BF123395.D
 Acq On : 18 Mar 2021 21:31
 Operator : JU/CG
 Sample : M1713-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7A

Manual Integrations
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Quant Time: Mar 19 00:20:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 18 02:38:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	216937	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	880451	20.00	ng	# 0.00
39) Acenaphthene-d10	9.828	164	408042	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	565257	20.00	ng	# 0.00
76) Chrysene-d12	13.968	240	298421	20.00	ng	# 0.00
86) Perylene-d12	15.415	264	312834	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	294864	19.30	ng	0.00
7) Phenol-d6	6.428	99	349276	17.60	ng	-0.02
23) Nitrobenzene-d5	7.351	82	191267	12.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	48902	17.15	ng	0.00
45) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
79) Terphenyl-d14	12.904	244	243159	15.87	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.092	128	123270	2.67	ng	98
49) Acenaphthylene	9.686	152	235747	5.79	ng	97
58) Fluorene	10.375	166	121132	2.62	ng	96
71) Phenanthrene	11.339	178	712831	20.66	ng	99
72) Anthracene	11.392	178	349461	10.07	ng	98
75) Fluoranthene	12.539	202	1507942	68.93	ng	97
78) Pyrene	12.769	202	1427884	52.16	ng	99
81) Benzo(a)anthracene	13.957	228	895761	45.53	ng	94
83) Chrysene	13.992	228	736214	36.24	ng	96
87) Indeno(1,2,3-cd)pyrene	16.845	276	345228m	16.47	ng	
88) Benzo(b)fluoranthene	15.004	252	920131m	40.93	ng	
89) Benzo(k)fluoranthene	15.027	252	378264m	18.78	ng	
90) Benzo(a)pyrene	15.357	252	751343	37.89	ng	# 93
91) Dibenzo(a,h)anthracene	16.851	278	97893	5.65	ng	# 78
92) Benzo(g,h,i)perylene	17.274	276	278670	15.14	ng	# 86

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

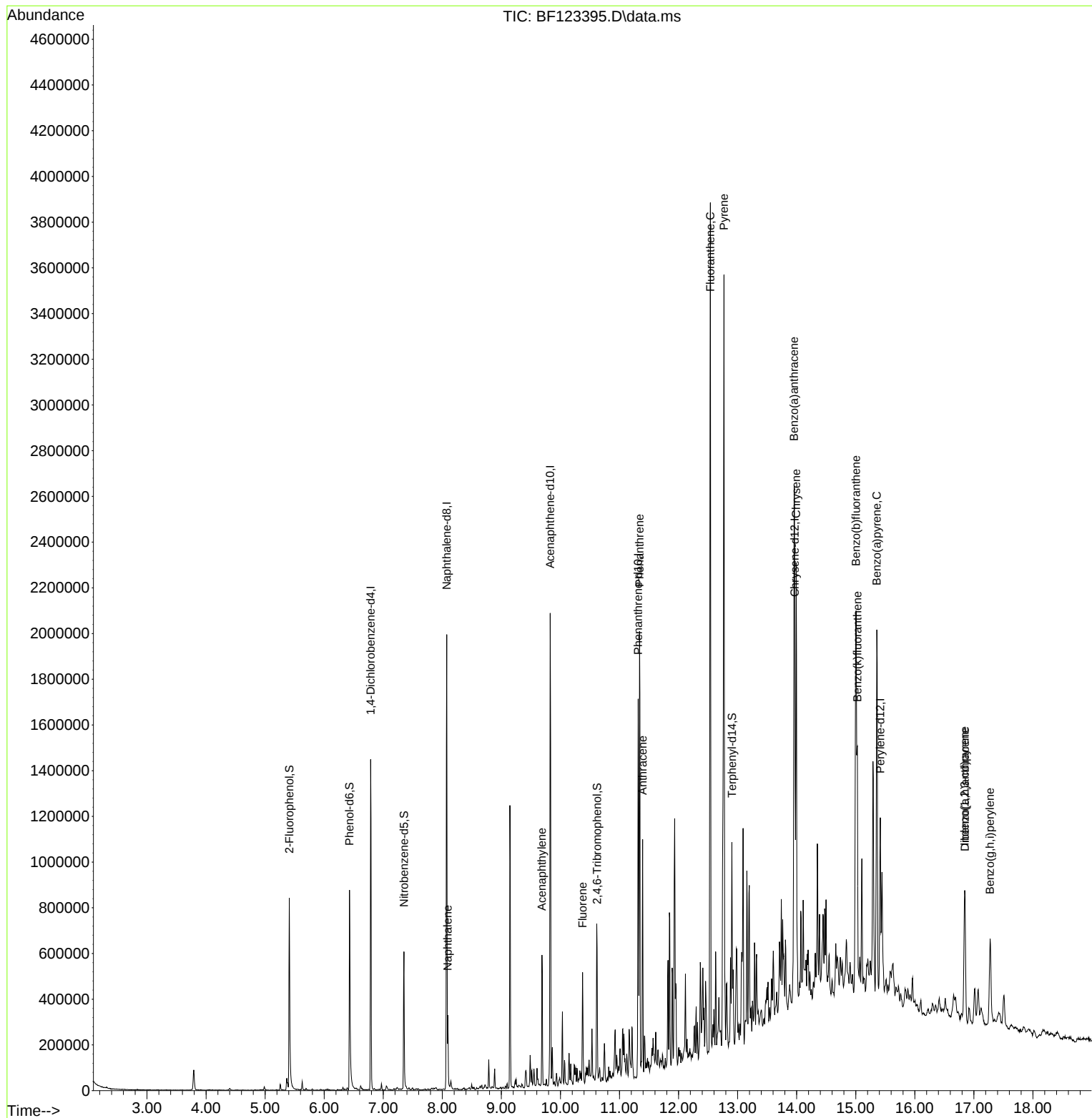
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123395.D
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ALS Vial : 18 Sample Multiplier: 1

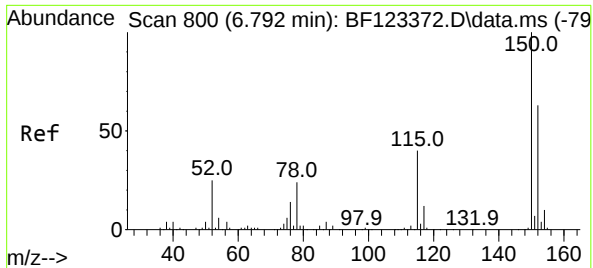
Instrument :
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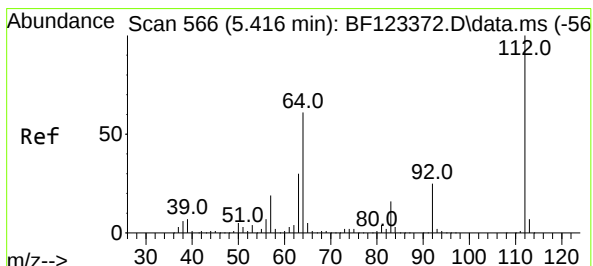
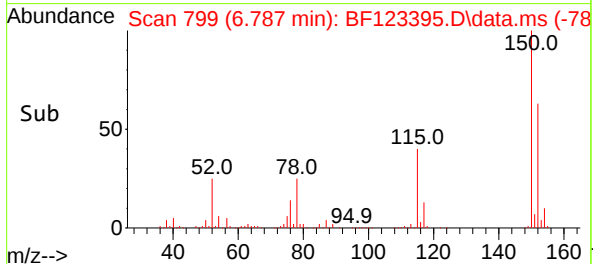
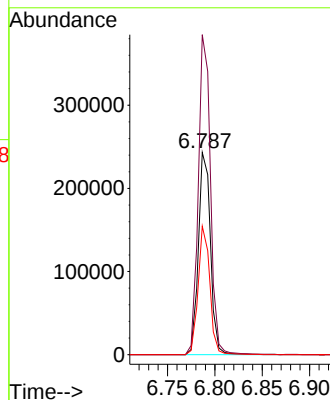
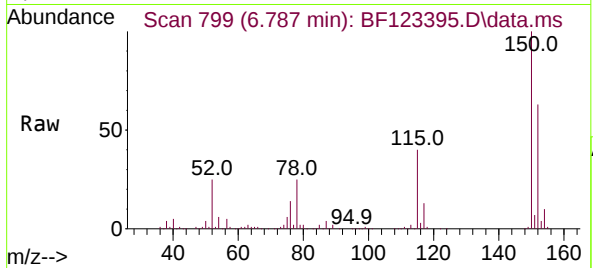
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:152 Resp: 216937
Ion Ratio Lower Upper
152 100
150 158.3 125.8 188.6
115 63.6 49.3 73.9

Instrument :
BNA_F
ClientSampled :
TP-7A

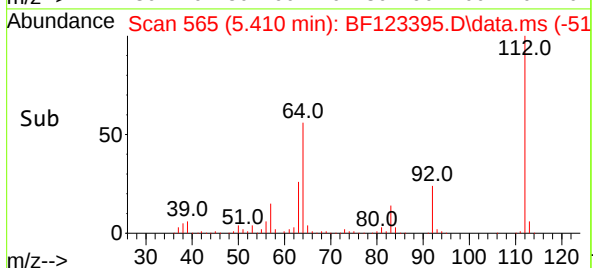
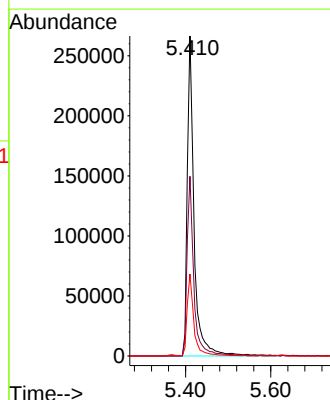
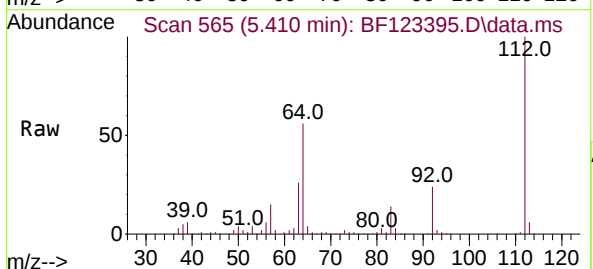
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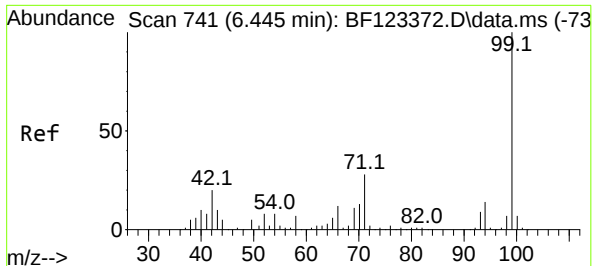
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#5
2-Fluorophenol
Concen: 19.30 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:112 Resp: 294864
Ion Ratio Lower Upper
112 100
64 56.2 46.9 70.3
63 25.6 24.5 36.7





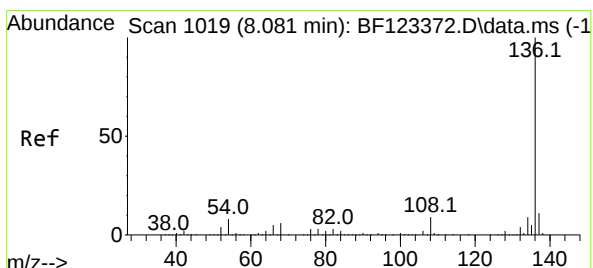
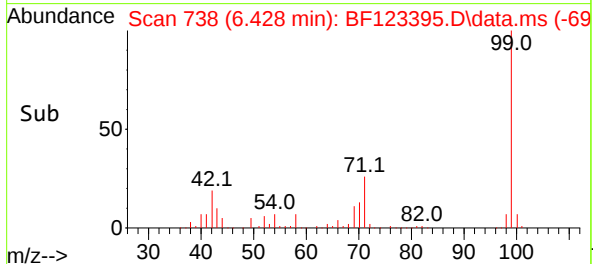
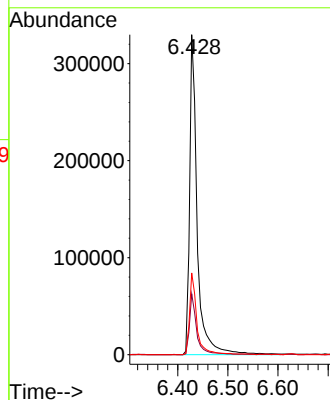
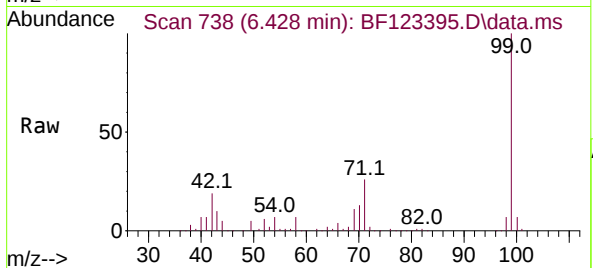
#7
Phenol-d6
Concen: 17.60 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.017 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion: 99 Resp: 349276
Ion Ratio Lower Upper
99 100
42 19.0 13.8 20.6
71 25.6 26.9 40.3#

Instrument :
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ClientSampled :
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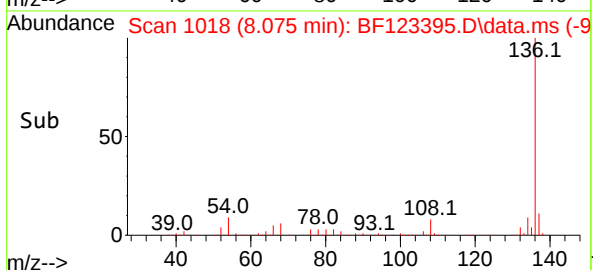
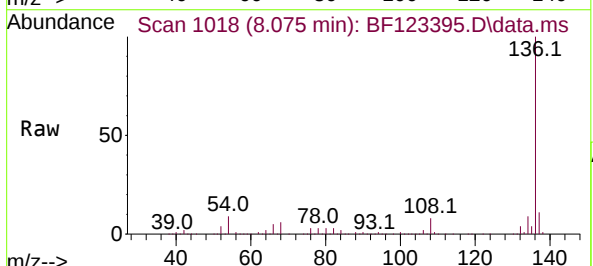
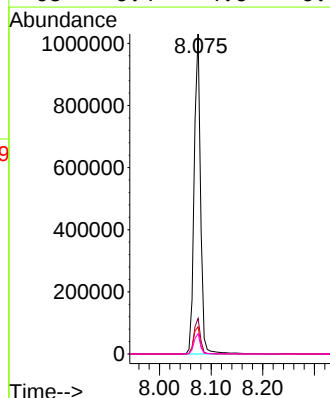
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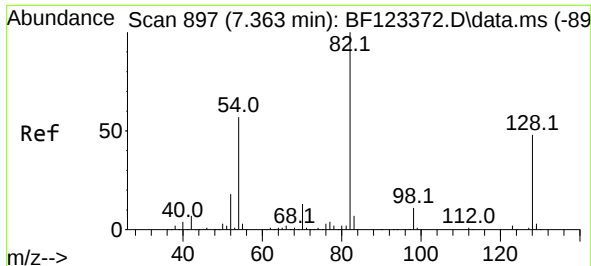
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion: 136 Resp: 880451
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.5 5.5 8.3#
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 12.76 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF123395.D

Acq: 18 Mar 2021 21:31

Tgt Ion: 82 Resp: 191267

Ion Ratio Lower Upper

82 100

128 50.3 37.0 55.4

54 54.5 38.4 57.6

Instrument :

BNA_F

ClientSampled :

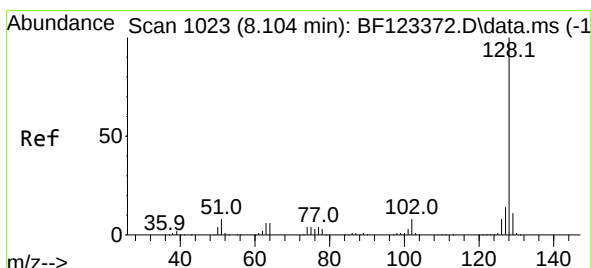
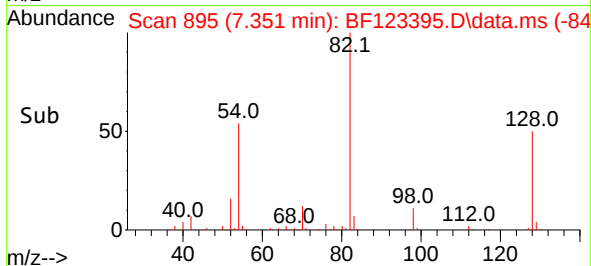
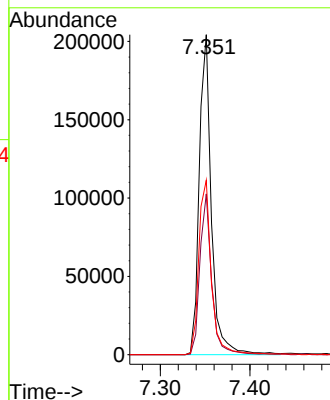
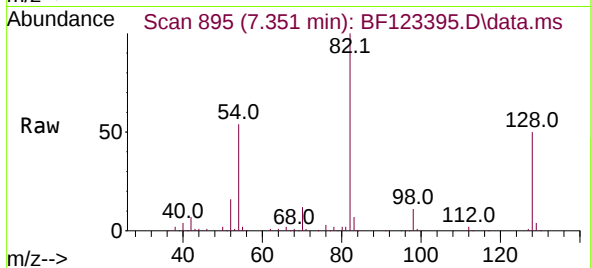
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#31

Naphthalene

Concen: 2.67 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF123395.D

Acq: 18 Mar 2021 21:31

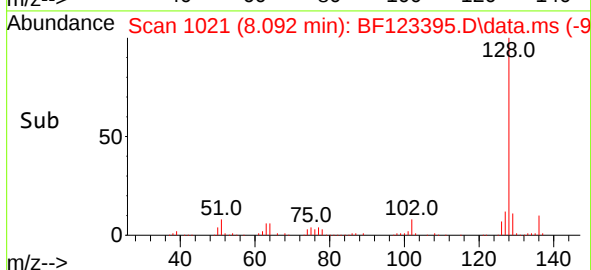
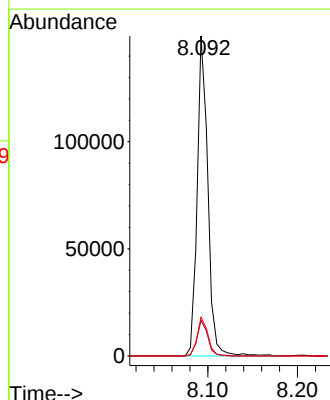
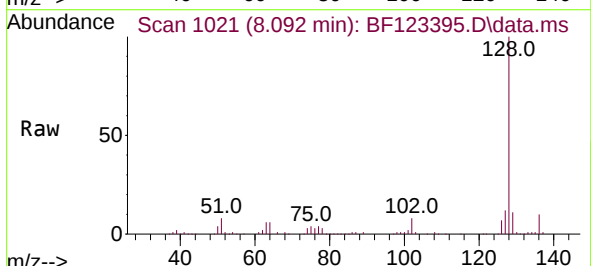
Tgt Ion: 128 Resp: 123270

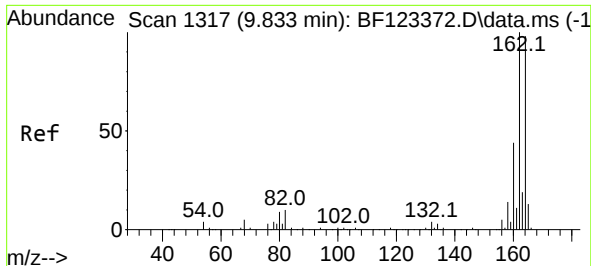
Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 12.1 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF123395.D

Acq: 18 Mar 2021 21:31

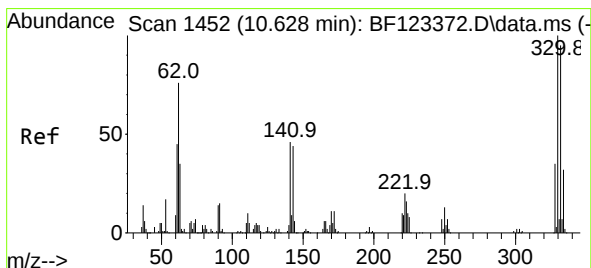
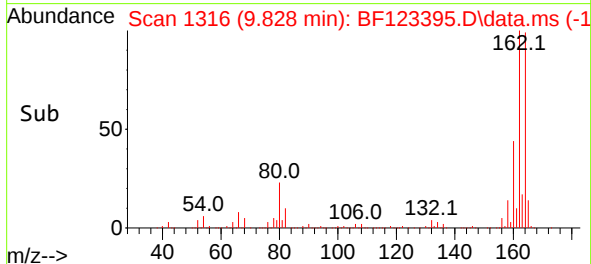
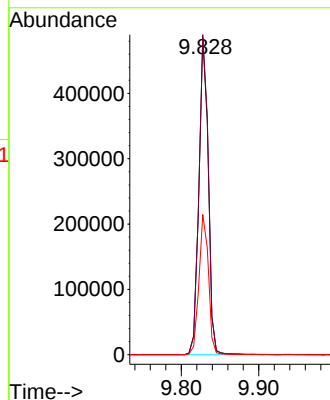
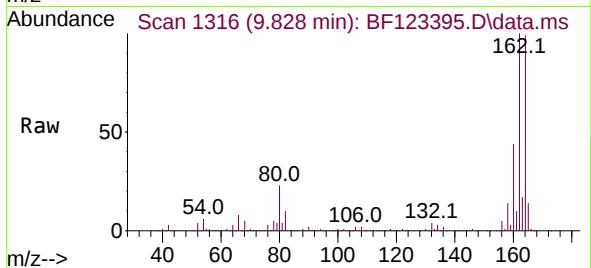
Tgt Ion:164 Resp: 408042

Ion Ratio Lower Upper

164 100

162 100.9 80.8 121.2

160 44.2 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 17.15 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF123395.D

Acq: 18 Mar 2021 21:31

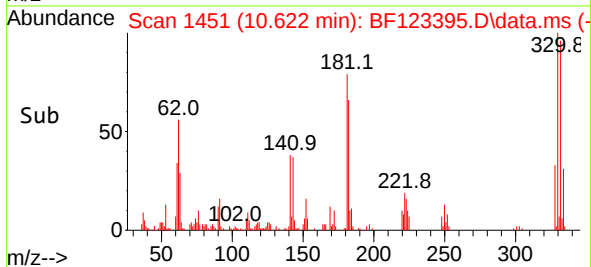
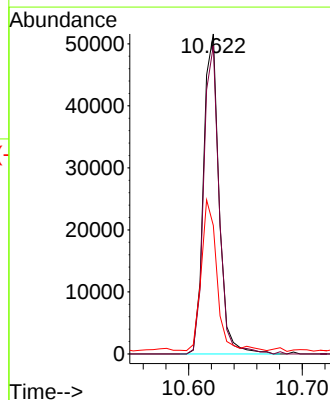
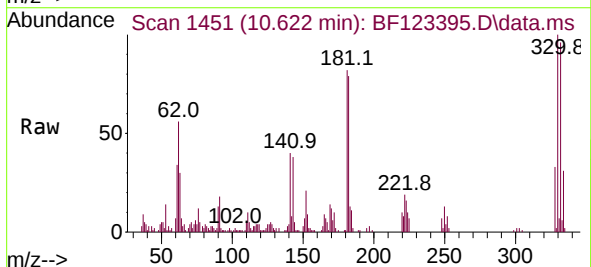
Tgt Ion:330 Resp: 48902

Ion Ratio Lower Upper

330 100

332 95.8 77.5 116.3

141 47.2 23.8 35.8#



Instrument :

BNA_F

ClientSampled :

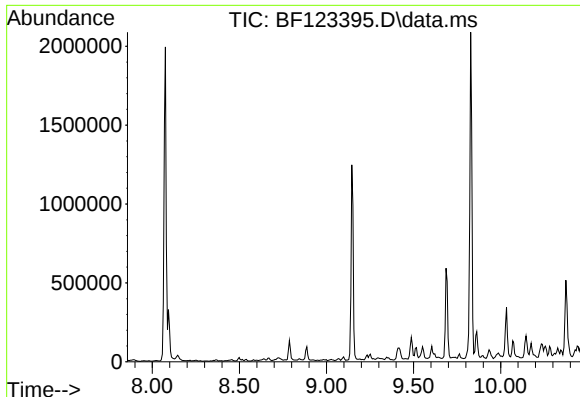
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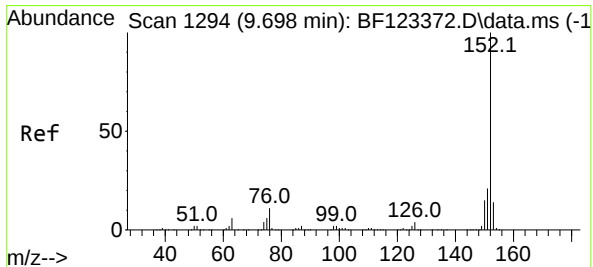
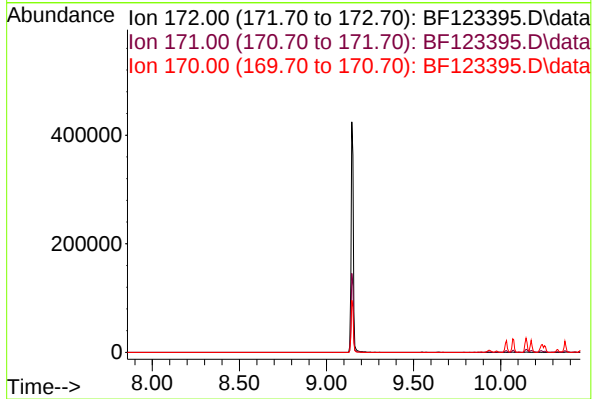
#45
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.16 min
 Lab File: BF123395.D
 Acq: 18 Mar 2021 21:31

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 37.0
 170 24.4

Instrument :
 BNA_F
 ClientSampleId :
 TP-7A

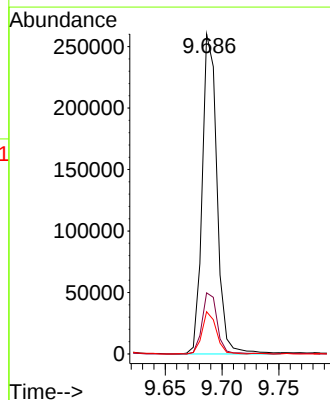
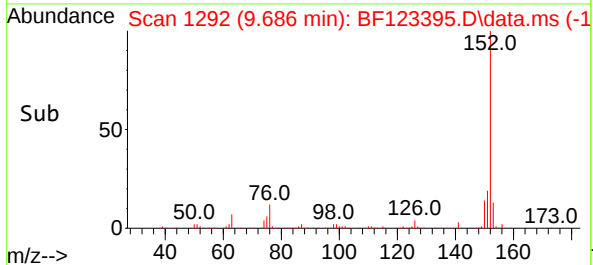
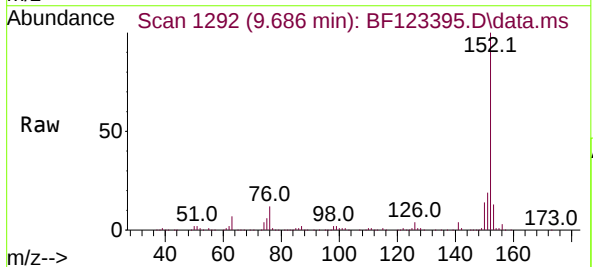
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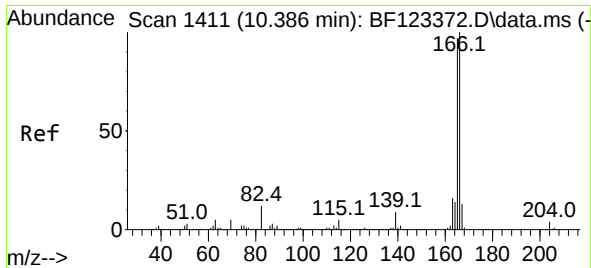
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#49
 Acenaphthylene
 Concen: 5.79 ng
 RT: 9.686 min Scan# 1292
 Delta R.T. -0.012 min
 Lab File: BF123395.D
 Acq: 18 Mar 2021 21:31

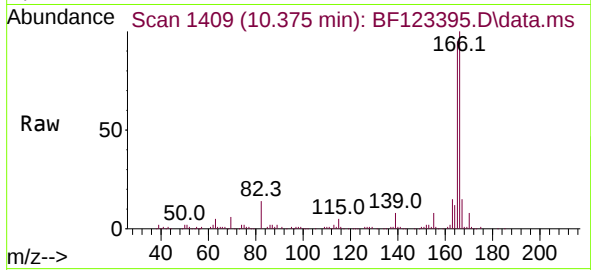
Tgt Ion: 152 Resp: 235747
 Ion Ratio Lower Upper
 152 100
 151 19.1 16.6 25.0
 153 13.2 10.9 16.3





#58
Fluorene
Concen: 2.62 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.011 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

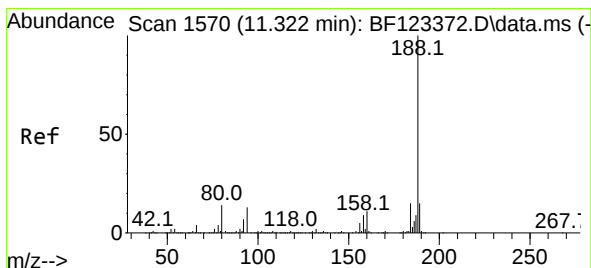
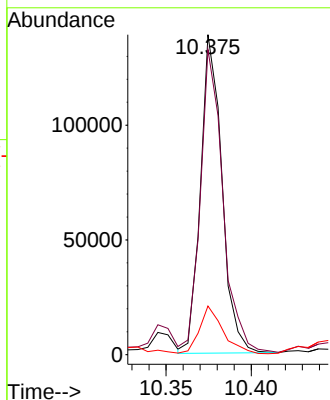
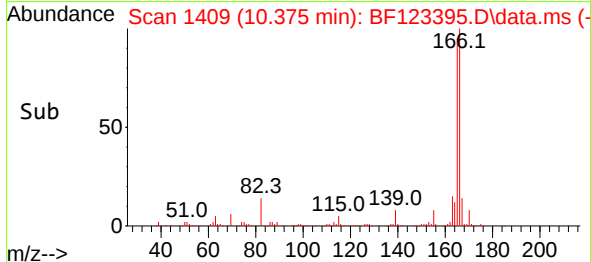
Instrument :
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ClientSampled :
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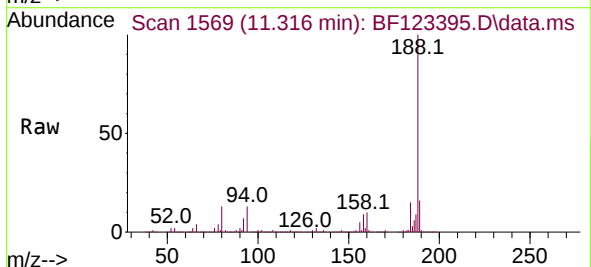
Tgt Ion:166 Resp: 121132
Ion Ratio Lower Upper
166 100
165 95.4 79.4 119.0
167 15.2 10.9 16.3

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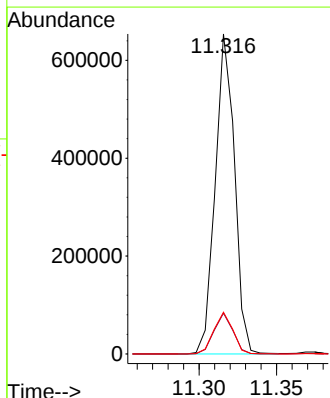
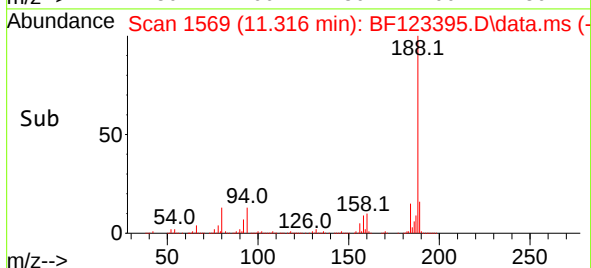
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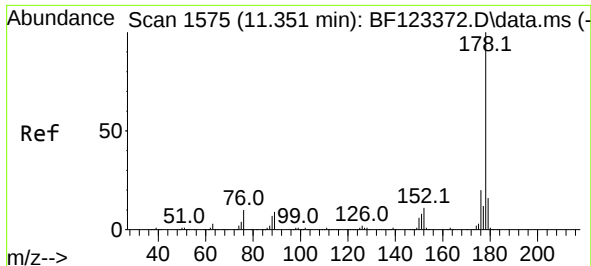


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31



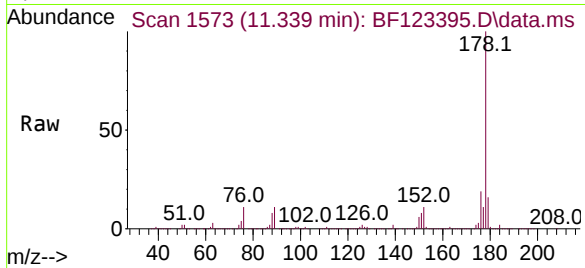
Tgt Ion:188 Resp: 565257
Ion Ratio Lower Upper
188 100
94 12.7 7.4 11.2#
80 13.0 8.2 12.4#





#71
Phenanthrene
Concen: 20.66 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

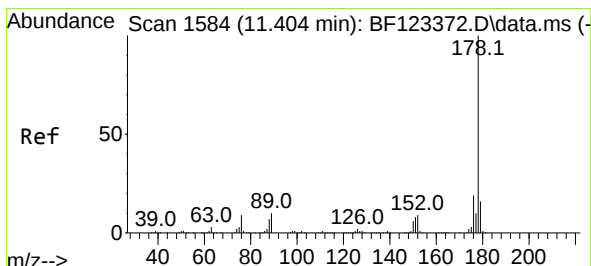
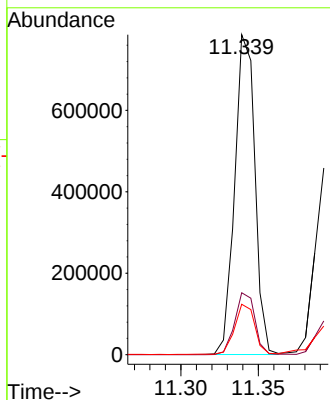
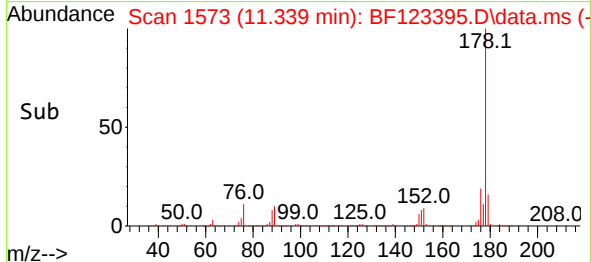
Instrument :
BNA_F
ClientSampled :
TP-7A



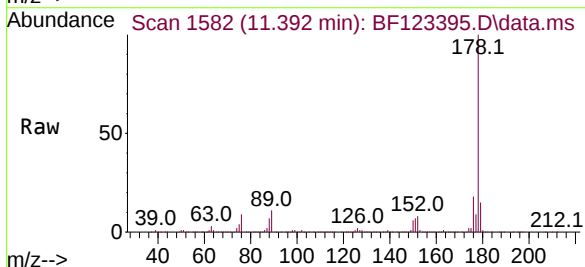
Tgt Ion:178 Resp: 712831
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.8 12.7 19.1

Manual Integrations
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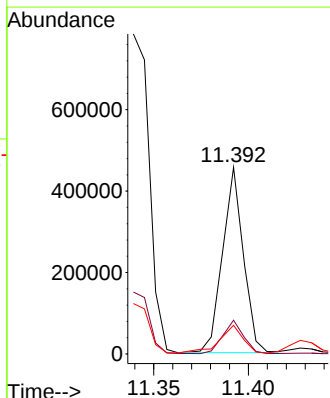
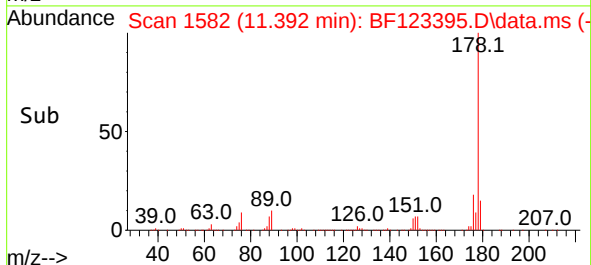
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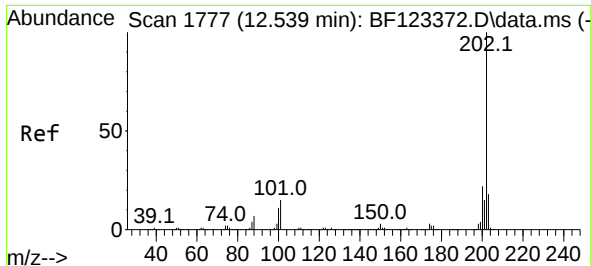


#72
Anthracene
Concen: 10.07 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31



Tgt Ion:178 Resp: 349461
Ion Ratio Lower Upper
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176 18.0 15.6 23.4
179 15.3 12.8 19.2





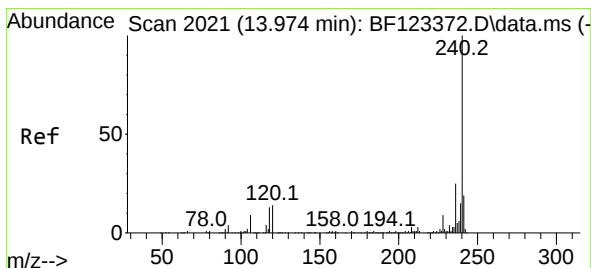
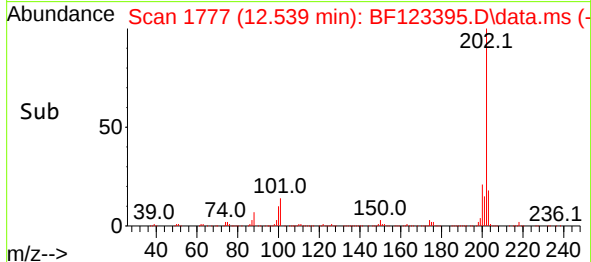
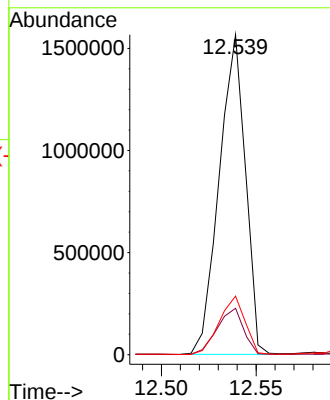
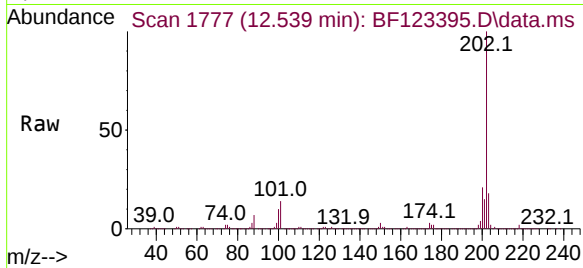
#75
Fluoranthene
Concen: 68.93 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:202 Resp: 1507942
Ion Ratio Lower Upper
202 100
101 14.5 0.0 32.2
203 18.3 0.0 38.1

Instrument :
BNA_F
ClientSampleId :
TP-7A

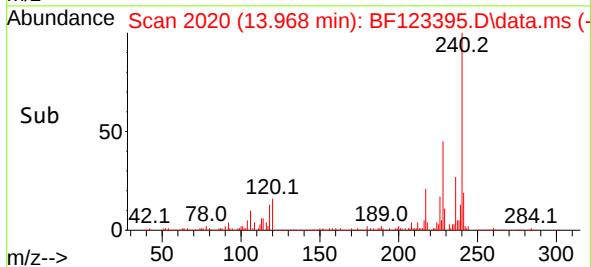
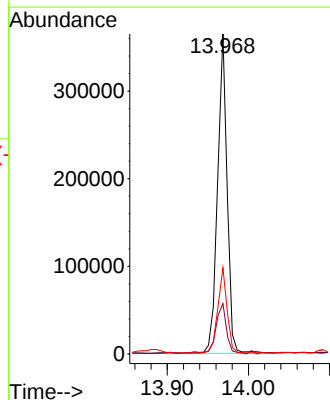
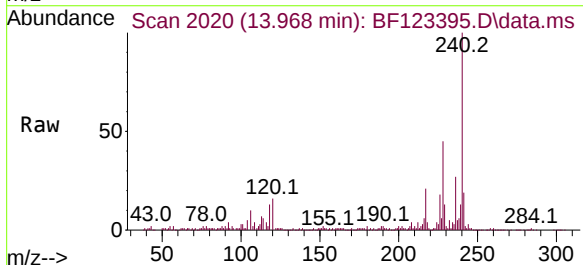
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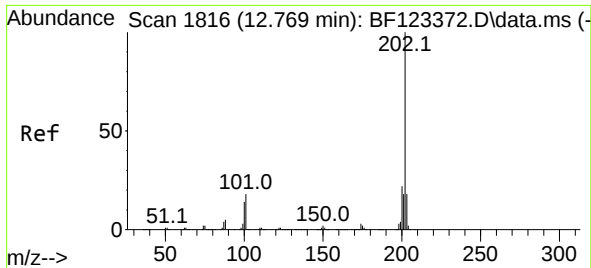
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:240 Resp: 298421
Ion Ratio Lower Upper
240 100
120 15.8 8.6 12.8#
236 27.0 20.3 30.5





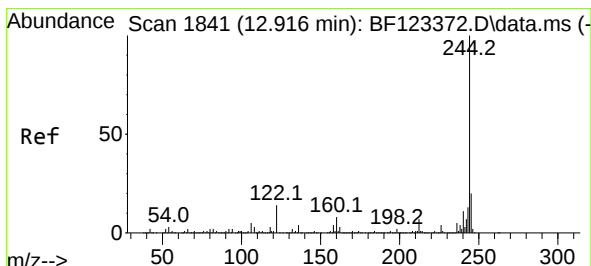
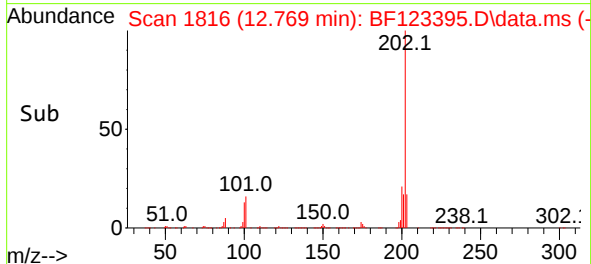
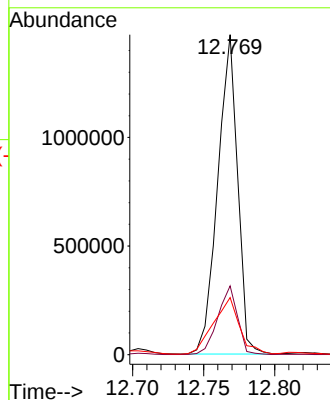
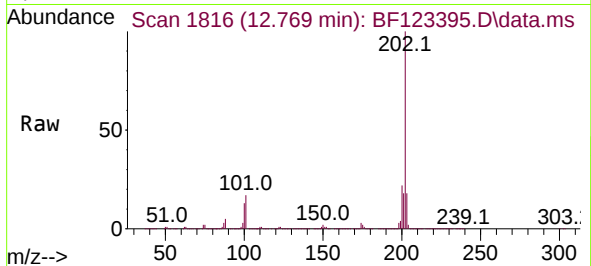
#78
Pyrene
Concen: 52.16 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:202 Resp: 1427884
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 17.8 14.6 21.8

Instrument :
BNA_F
ClientSampled :
TP-7A

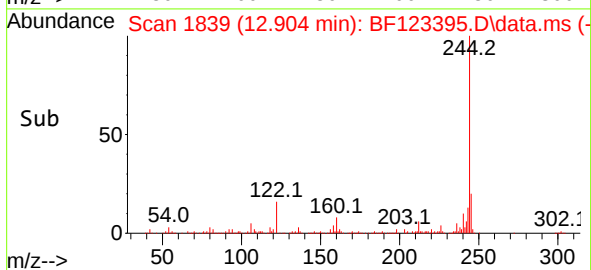
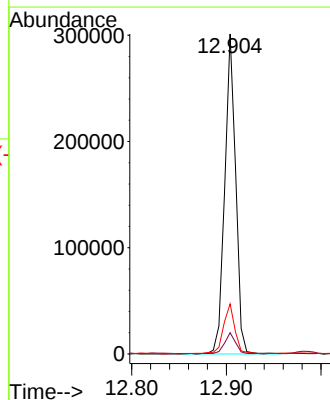
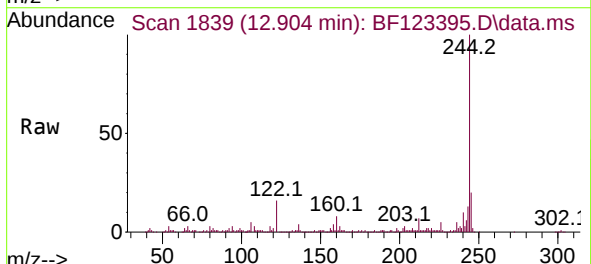
Manual Integrations
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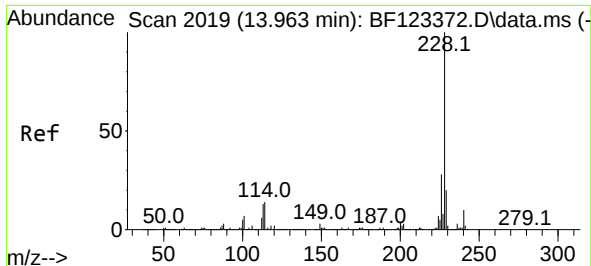
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#79
Terphenyl-d14
Concen: 15.87 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

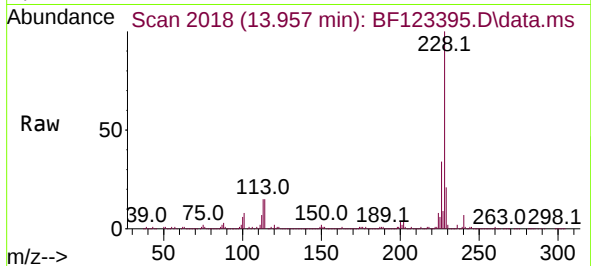
Tgt Ion:244 Resp: 243159
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 15.6 8.3 12.5#





#81
Benzo(a)anthracene
Concen: 45.53 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

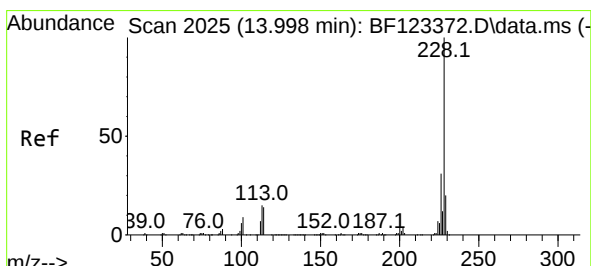
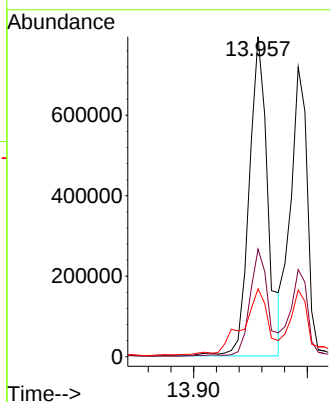
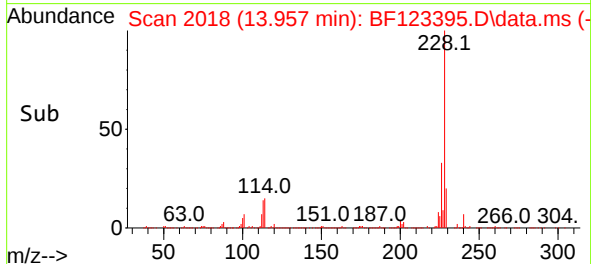
Instrument :
BNA_F
ClientSampled :
TP-7A



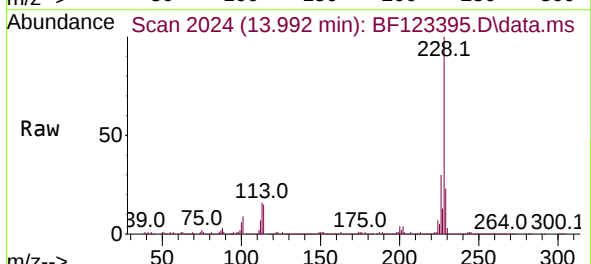
Tgt Ion:228 Resp: 895761
Ion Ratio Lower Upper
228 100
226 33.6 23.0 34.4
229 21.2 16.6 24.8

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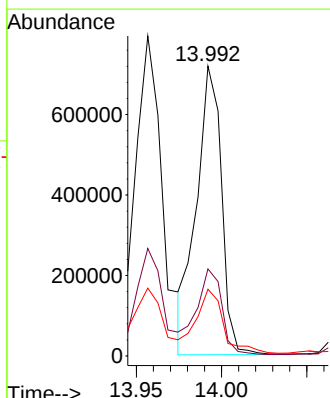
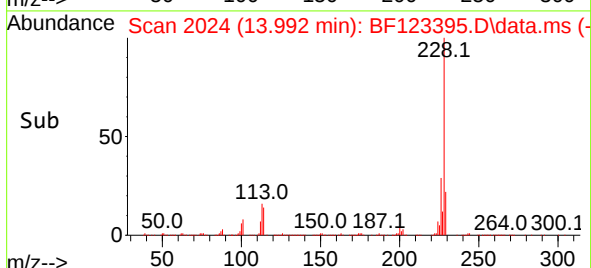
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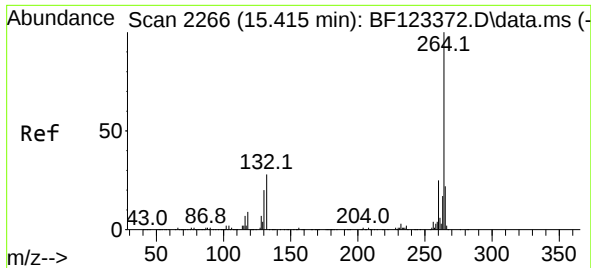


#83
Chrysene
Concen: 36.24 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31



Tgt Ion:228 Resp: 736214
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 23.0 15.8 23.6





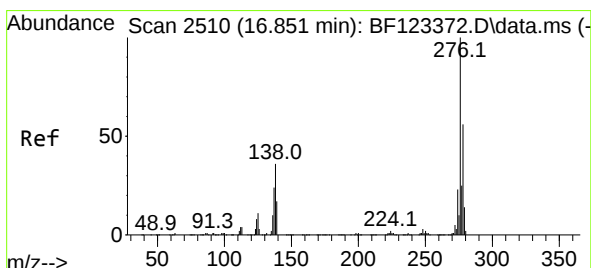
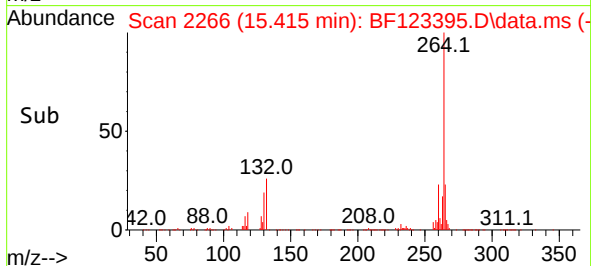
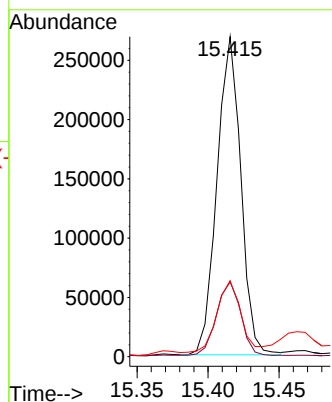
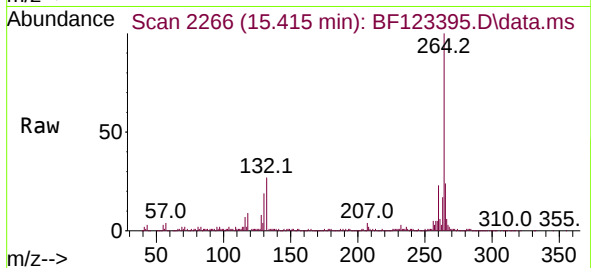
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Instrument :
BNA_F
ClientSampleId :
TP-7A

Tgt Ion:264 Resp: 312834
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 23.8 17.0 25.6

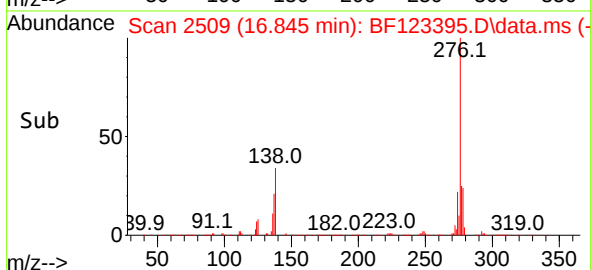
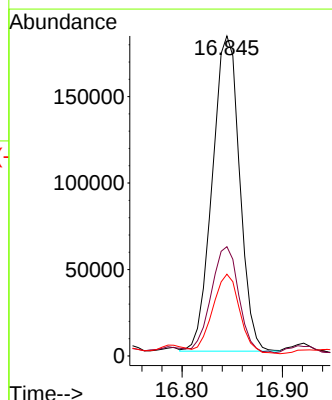
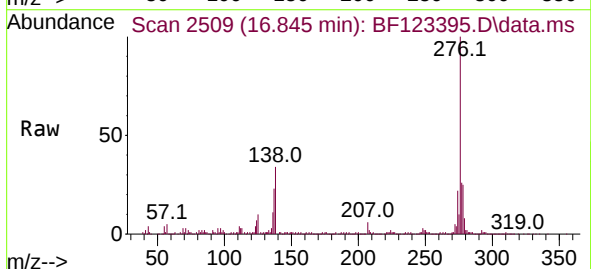
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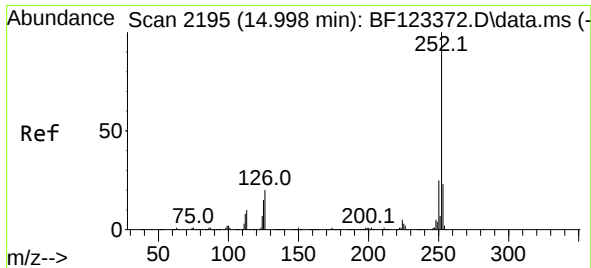
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#87
Indeno(1,2,3-cd)pyrene
Concen: 16.47 ng m
RT: 16.845 min Scan# 2509
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

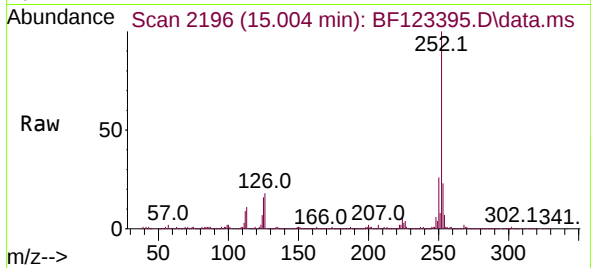
Tgt Ion:276 Resp: 345228
Ion Ratio Lower Upper
276 100
138 4.2 18.7 28.1#
277 5.4 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 40.93 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

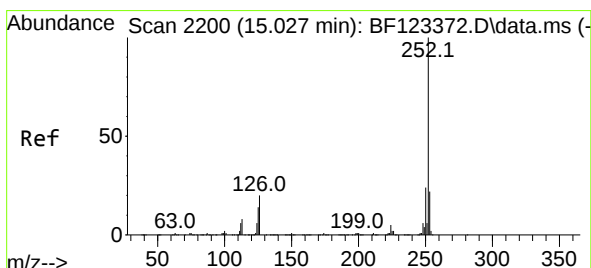
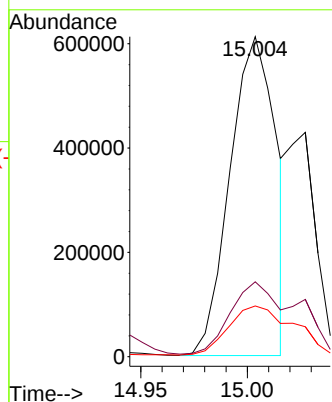
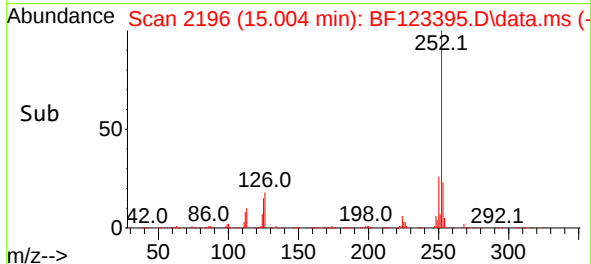
Instrument :
BNA_F
ClientSampled :
TP-7A



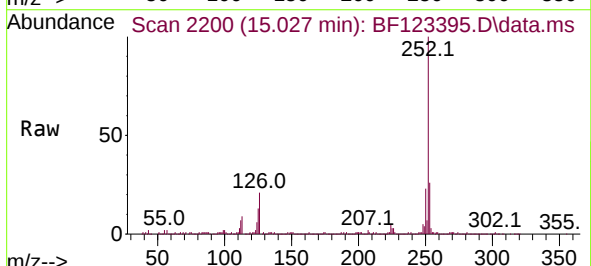
Tgt Ion:252 Resp: 920131
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 15.9 8.1 12.1#

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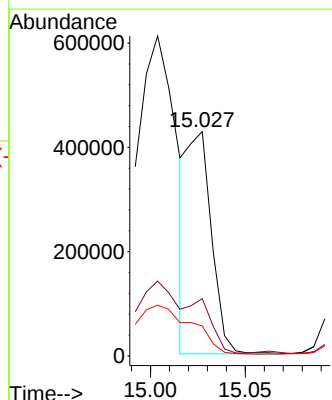
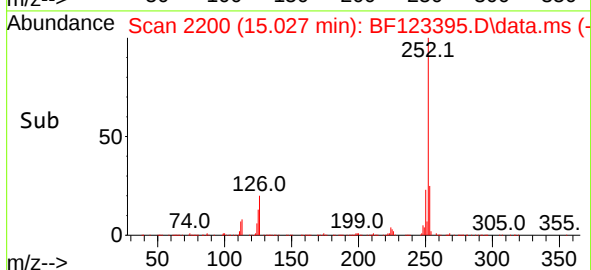
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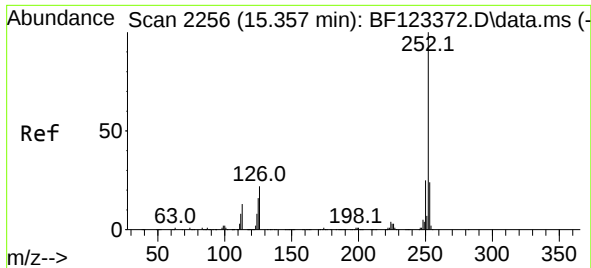


#89
Benzo(k)fluoranthene
Concen: 18.78 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

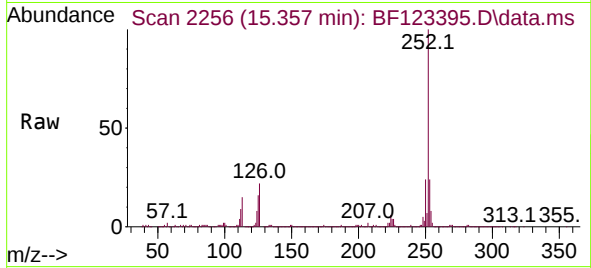


Tgt Ion:252 Resp: 378264
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 13.4 8.4 12.6#

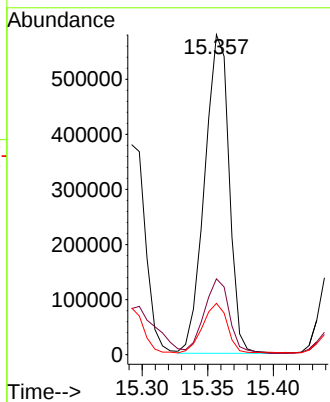
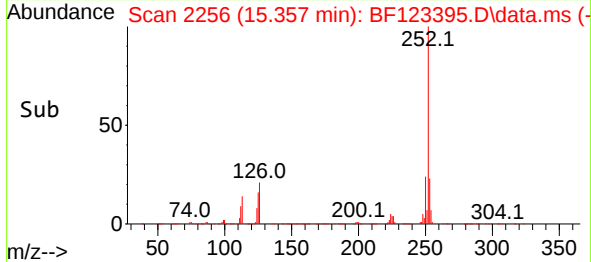




#90
Benzo(a)pyrene
Concen: 37.89 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31



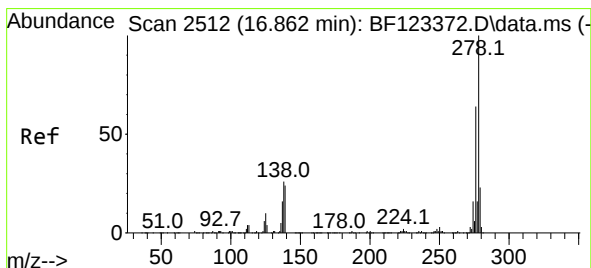
Tgt Ion:252 Resp: 751343
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 16.1 8.6 12.8#



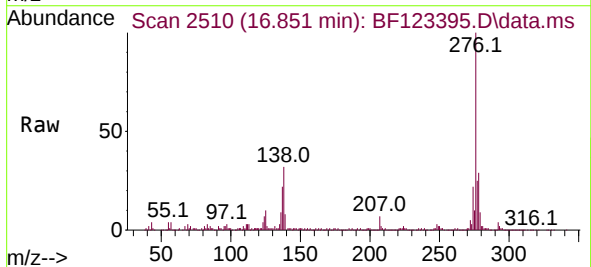
Instrument :
BNA_F
ClientSampleId :
TP-7A

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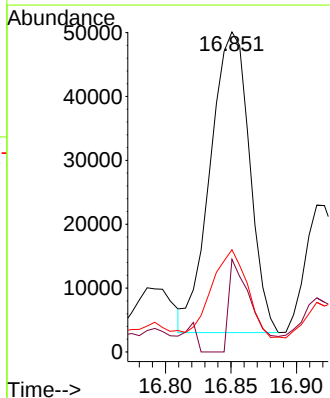
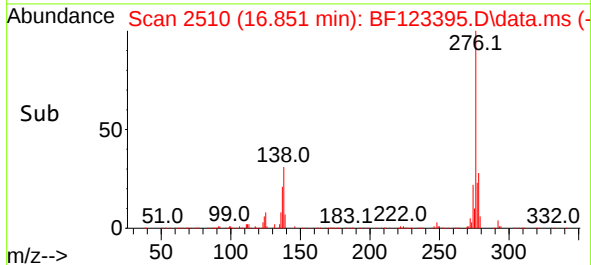
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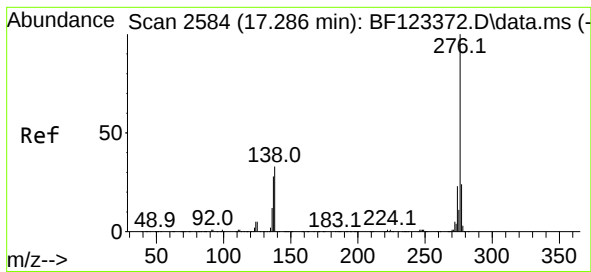


#91
Dibenzo(a,h)anthracene
Concen: 5.65 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31



Tgt Ion:278 Resp: 97893
Ion Ratio Lower Upper
278 100
139 28.9 12.0 18.0#
279 32.0 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 15.14 ng
RT: 17.274 min Scan# 2582
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion: 276 Resp: 278670
Ion Ratio Lower Upper
276 100
277 24.5 19.3 28.9
138 34.6 16.6 24.8#

Instrument :
BNA_F
ClientSampleId :
TP-7A

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