

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012921\
 Data File : BF123084.D
 Acq On : 29 Jan 2021 16:10
 Operator : JU/CG
 Sample : M1254-06DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-5DL

Manual Integrations
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Quant Time: Jan 29 22:35:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	281591	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	1082632	20.00	ng	# 0.00
39) Acenaphthene-d10	9.939	164	580435	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	1004443	20.00	ng	0.00
76) Chrysene-d12	14.086	240	719254	20.00	ng	0.00
86) Perylene-d12	15.568	264	655527	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	947595	51.91	ng	0.00
7) Phenol-d6	6.510	99	1193571	48.24	ng	0.00
23) Nitrobenzene-d5	7.451	82	738887	34.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	317418	50.38	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1368450	35.05	ng	-0.01
79) Terphenyl-d14	13.021	244	1395787	38.13	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.792	152	189858	3.25	ng	# 95
52) Acenaphthene	9.974	154	2338956	62.42	ng	97
55) Dibenzofuran	10.145	168	977685	17.93	ng	96
58) Fluorene	10.492	166	1826254	41.93	ng	98
71) Phenanthrene	11.480	178	8535490	136.83	ng	93
72) Anthracene	11.516	178	1165240	19.47	ng	99
75) Fluoranthene	12.674	202	8799908	141.14	ng	96
78) Pyrene	12.904	202	6413823	118.12	ng	94
81) Benzo(a)anthracene	14.074	228	2032891	41.76	ng	98
83) Chrysene	14.115	228	1660307	34.08	ng	97
87) Indeno(1,2,3-cd)pyrene	17.056	276	174331	3.99	ng	97
88) Benzo(b)fluoranthene	15.133	252	1153762m	24.38	ng	
89) Benzo(k)fluoranthene	15.156	252	381245m	8.67	ng	
90) Benzo(a)pyrene	15.504	252	402522	9.69	ng	99
92) Benzo(g,h,i)perylene	17.503	276	117240	3.37	ng	95

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

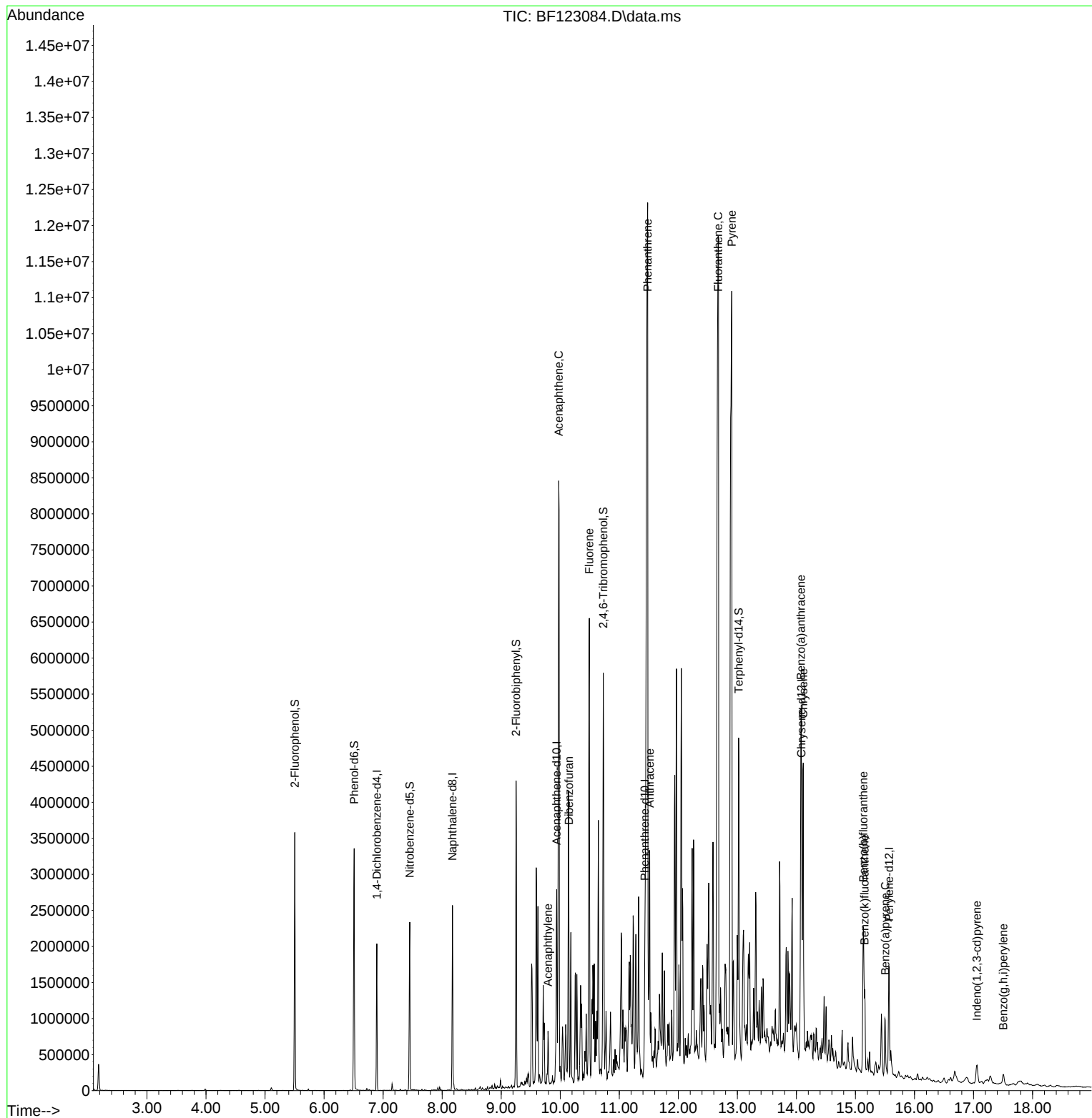
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012921\
Data File : BF123084.D
Acq On : 29 Jan 2021 16:10
Operator : JU/CG
Sample : M1254-06DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

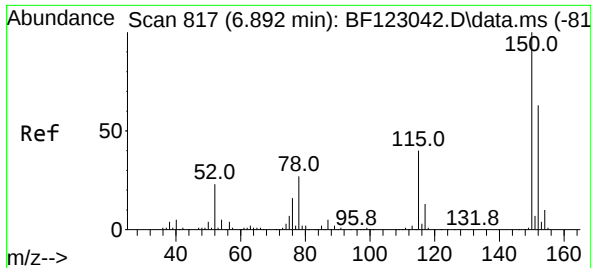
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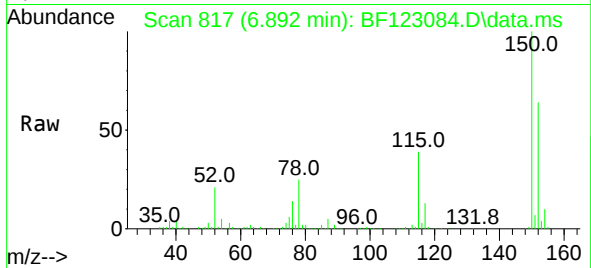
Quant Time: Jan 29 22:35:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:29:00 2021
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.892 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: BF123084.D
 Acq: 29 Jan 2021 16:10

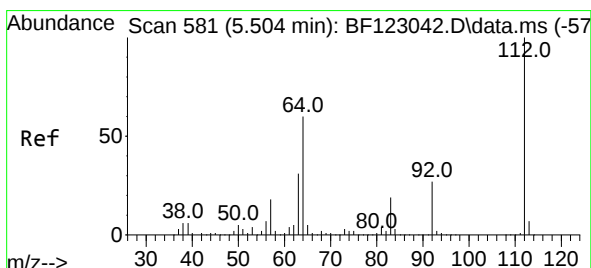
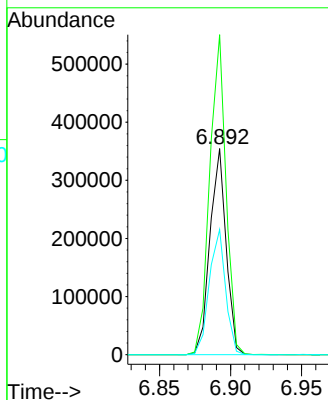
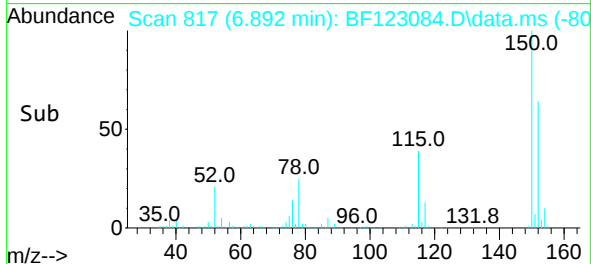
Instrument :
 BNA_F
 ClientSampled :
 CRT-5DL



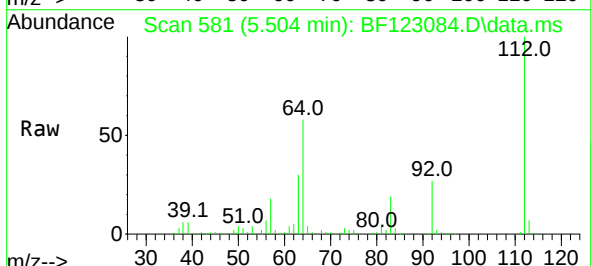
Tgt Ion:152 Resp: 281591
 Ion Ratio Lower Upper
 152 100
 150 155.2 125.8 188.6
 115 60.7 49.3 73.9

Manual Integrations
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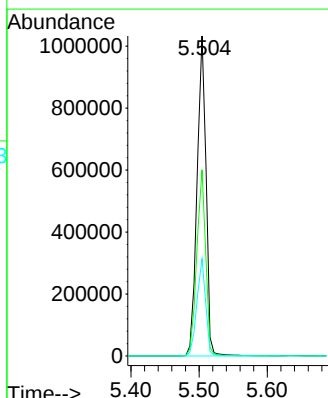
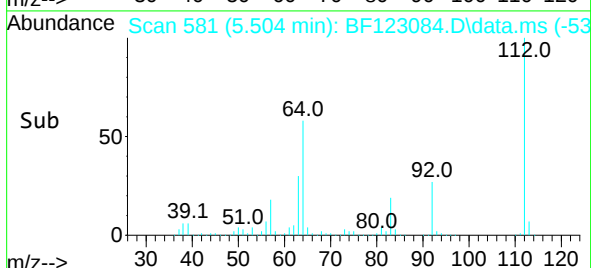
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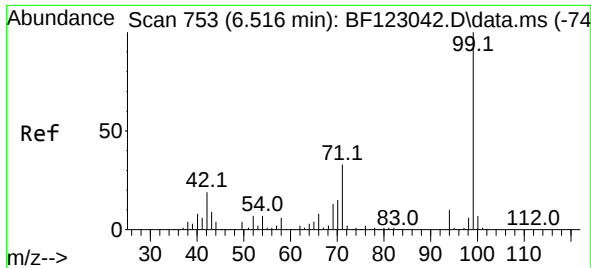


#5
 2-Fluorophenol
 Concen: 51.91 ng
 RT: 5.504 min Scan# 581
 Delta R.T. -0.000 min
 Lab File: BF123084.D
 Acq: 29 Jan 2021 16:10



Tgt Ion:112 Resp: 947595
 Ion Ratio Lower Upper
 112 100
 64 58.2 46.9 70.3
 63 30.4 24.5 36.7





#7
Phenol-d6
Concen: 48.24 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

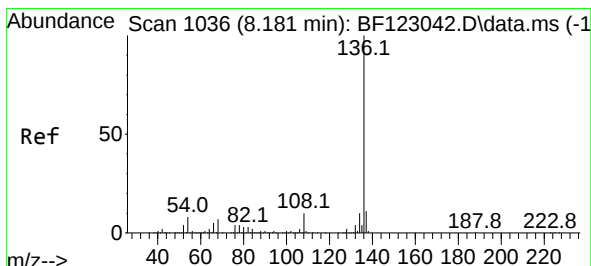
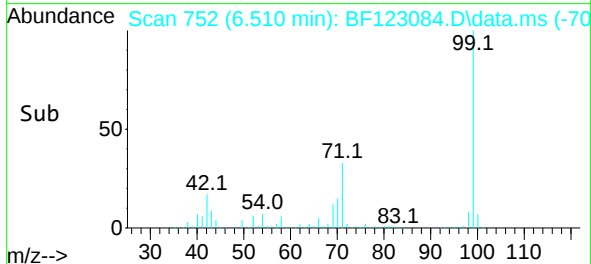
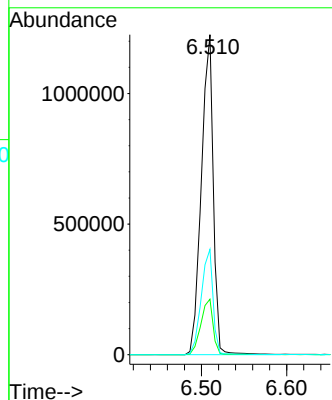
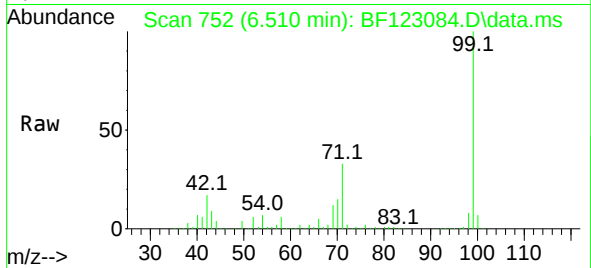
Tgt Ion: 99 Resp: 1193571

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.8	20.6
71	32.9	26.9	40.3

Instrument :
BNA_F
ClientSampleId :
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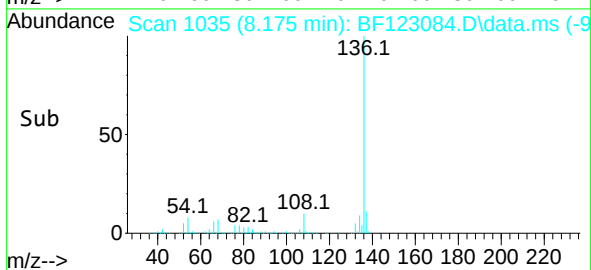
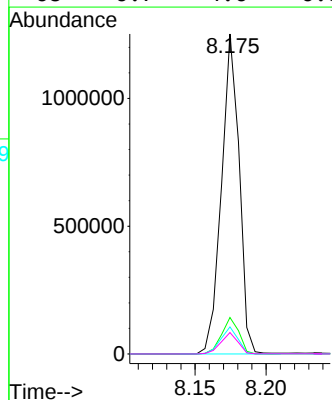
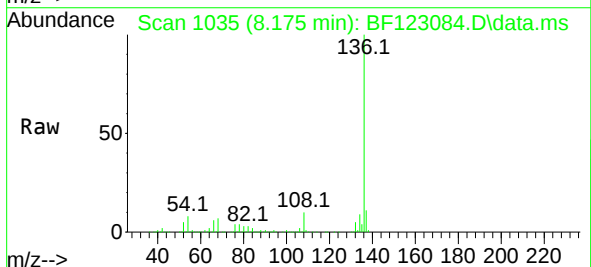
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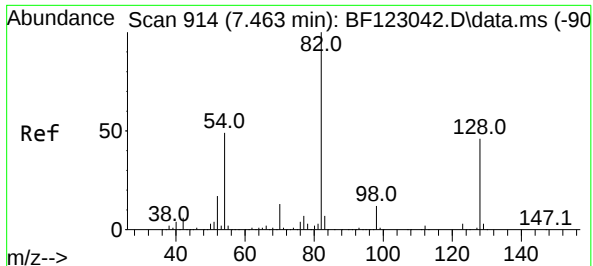


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

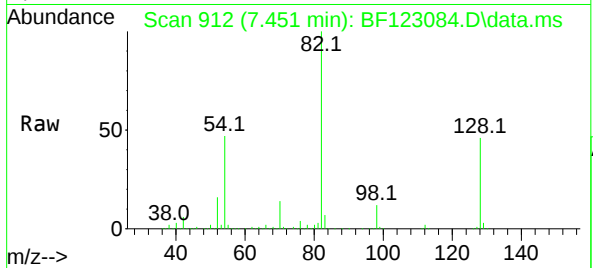
Tgt Ion: 136 Resp: 1082632

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.5	5.5	8.3#
68	6.7	4.6	6.8

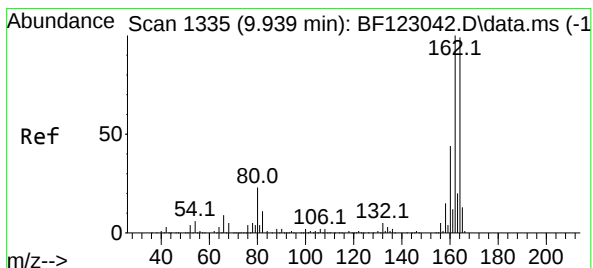
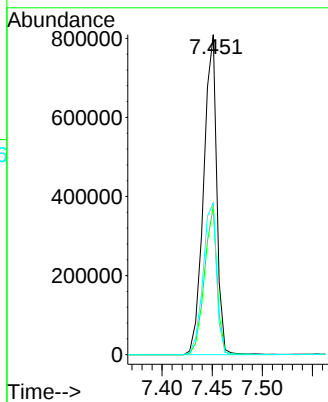
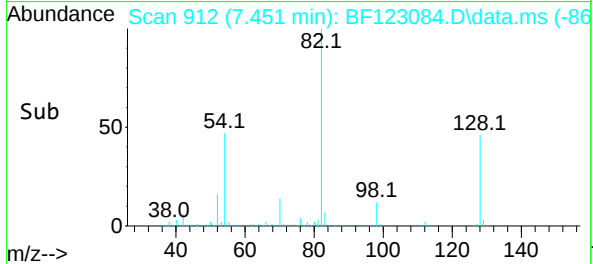




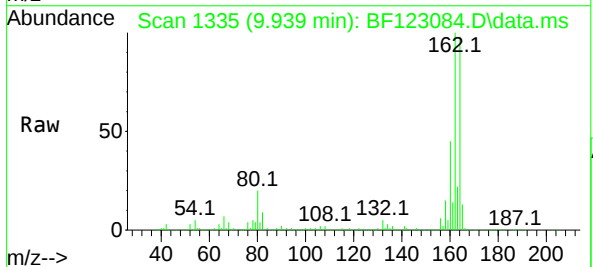
#23
Nitrobenzene-d5
Concen: 34.35 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



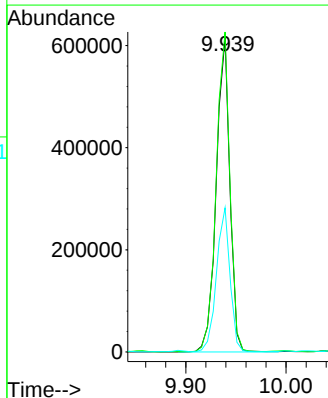
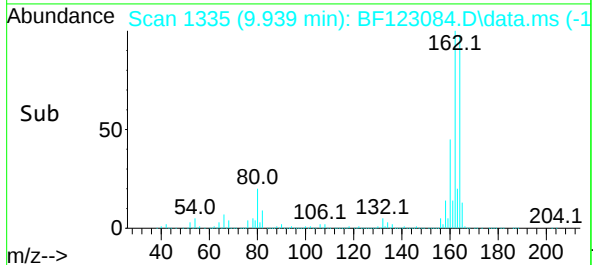
Tgt Ion: 82 Resp: 738887
Ion Ratio Lower Upper
82 100
128 46.2 37.0 55.4
54 47.4 38.4 57.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



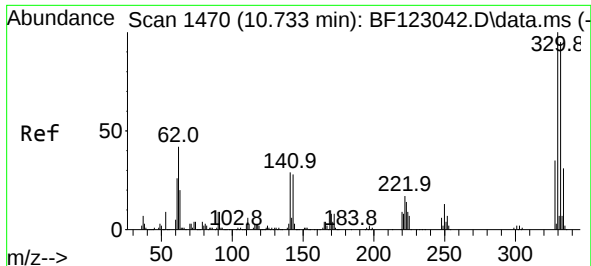
Tgt Ion: 164 Resp: 580435
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 45.9 35.4 53.0



Instrument :
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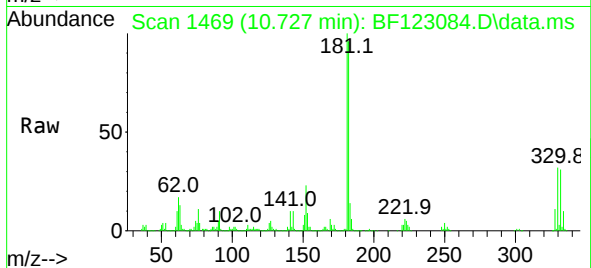
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#42
2,4,6-Tribromophenol
Concen: 50.38 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

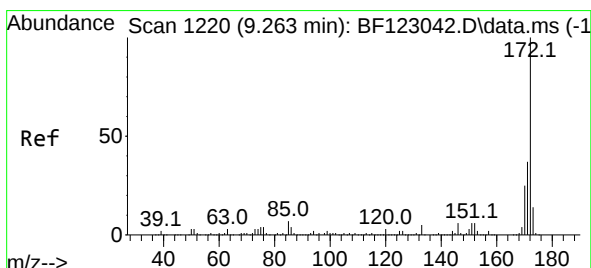
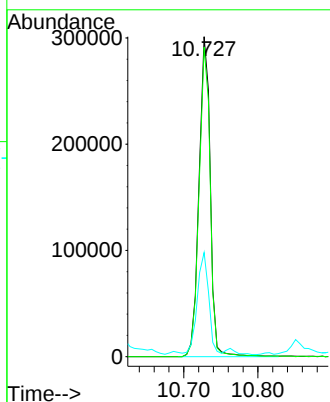
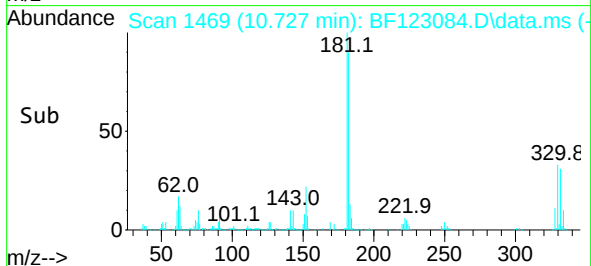
Instrument :
BNA_F
ClientSampled :
CRT-5DL



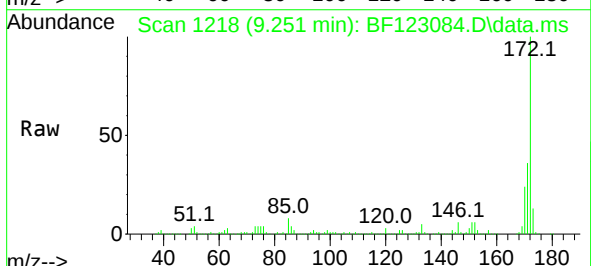
Tgt Ion: 330 Resp: 317418
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 31.3 23.8 35.8

Manual Integrations
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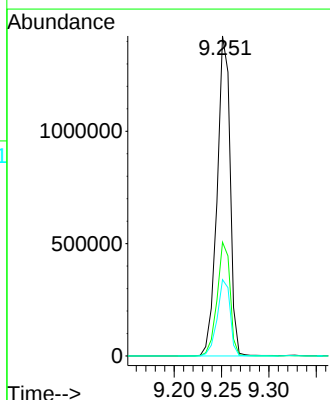
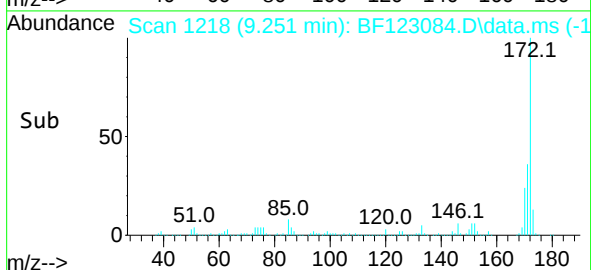
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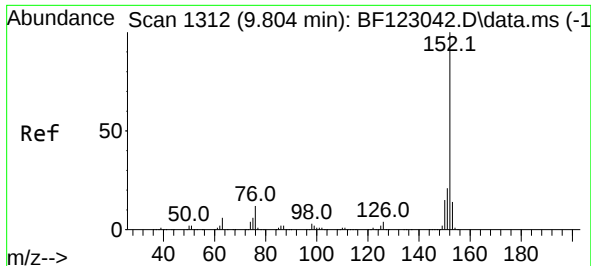


#45
2-Fluorobiphenyl
Concen: 35.05 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



Tgt Ion: 172 Resp: 1368450
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.9 19.5 29.3





#49

Acenaphthylene

Concen: 3.25 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF123084.D

Acq: 29 Jan 2021 16:10

Tgt Ion:	152	Resp:	189858
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.6	25.0
153	17.2	10.9	16.3#

Instrument :

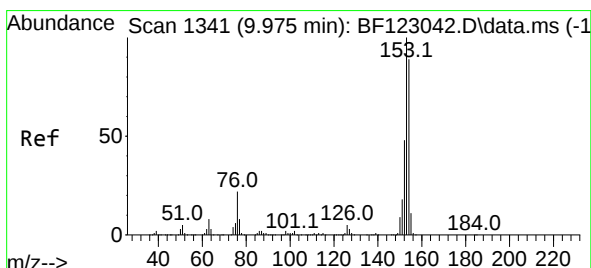
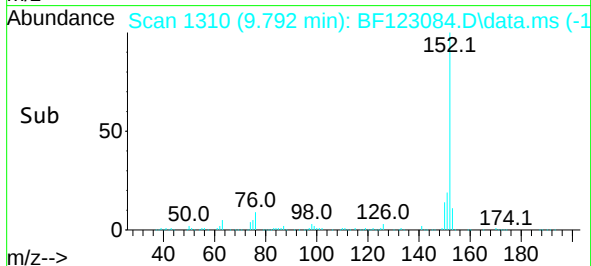
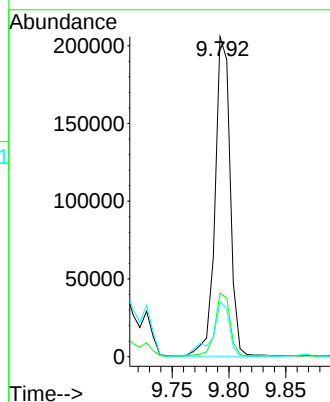
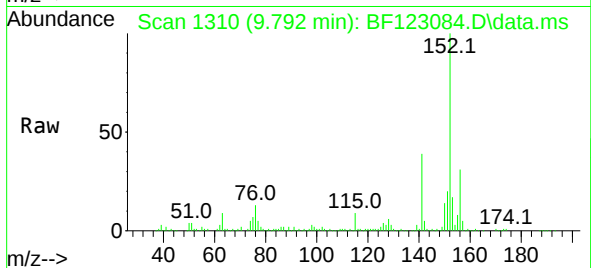
BNA_F

ClientSampled :

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#52

Acenaphthene

Concen: 62.42 ng

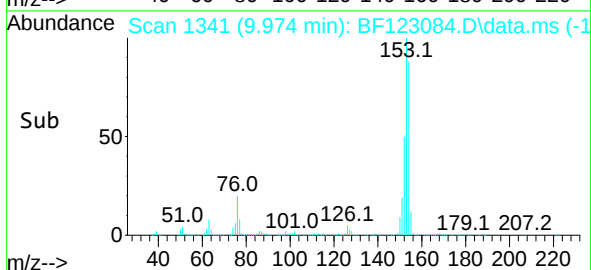
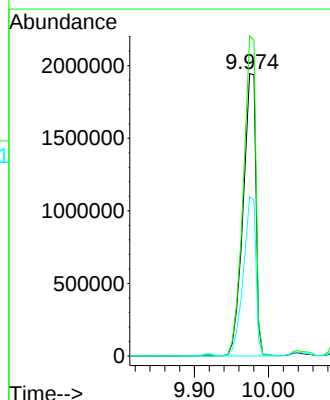
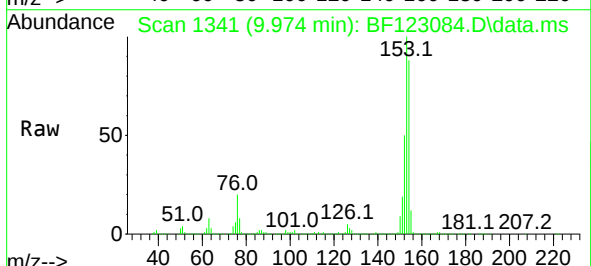
RT: 9.974 min Scan# 1341

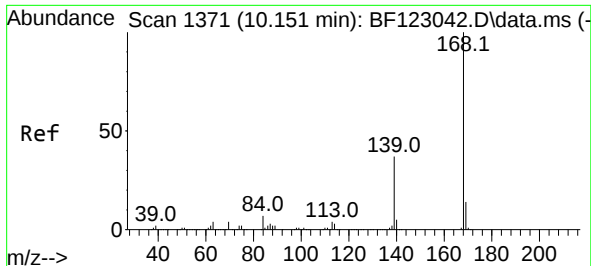
Delta R.T. -0.000 min

Lab File: BF123084.D

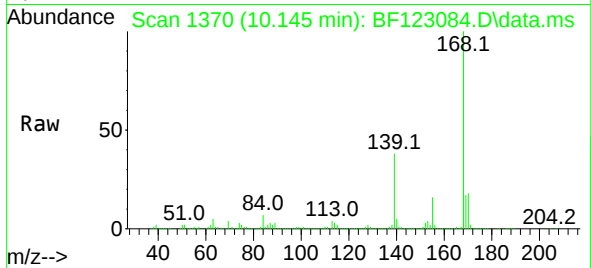
Acq: 29 Jan 2021 16:10

Tgt Ion:	154	Resp:	2338956
Ion Ratio	Lower	Upper	
154	100		
153	113.3	89.0	133.6
152	56.4	42.7	64.1

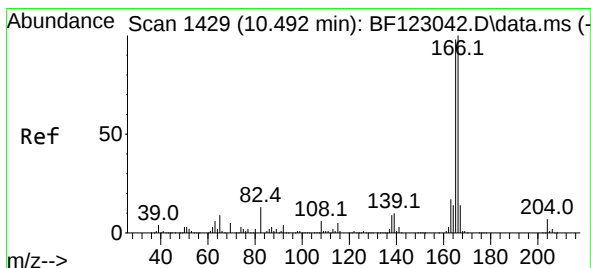
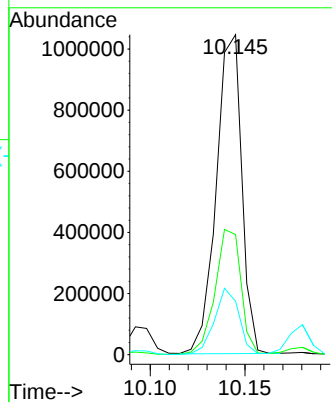
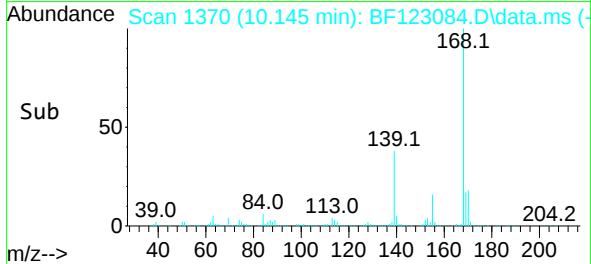




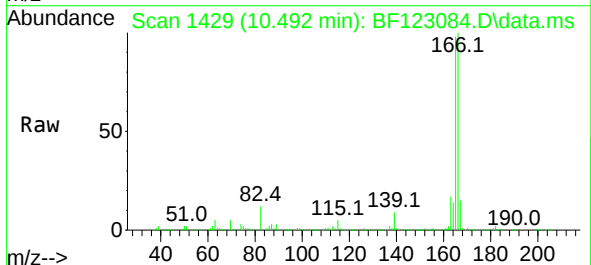
#55
Dibenzenofuran
Concen: 17.93 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



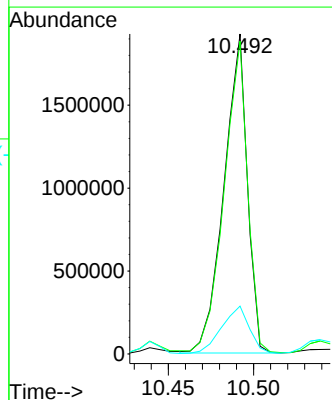
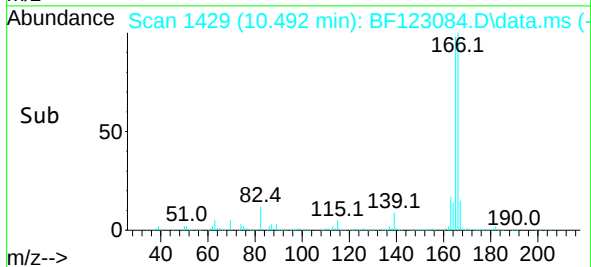
Tgt Ion:168 Resp: 977685
Ion Ratio Lower Upper
168 100
139 37.5 31.3 46.9
169 16.7 11.2 16.8



#58
Fluorene
Concen: 41.93 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



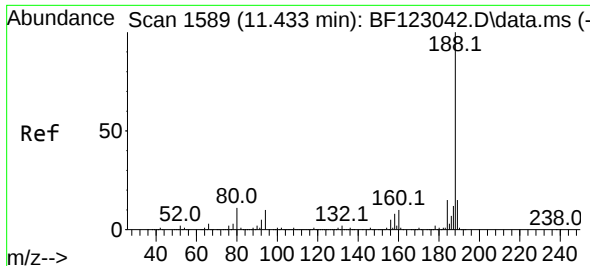
Tgt Ion:166 Resp: 1826254
Ion Ratio Lower Upper
166 100
165 97.8 79.4 119.0
167 14.9 10.9 16.3



Instrument :
BNA_F
ClientSampled :
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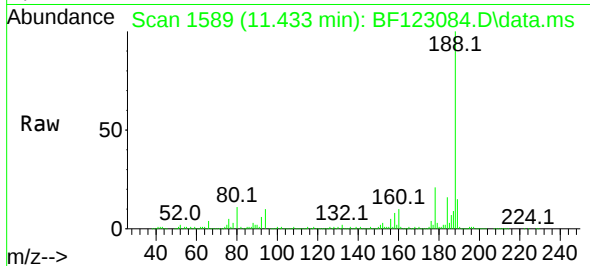
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

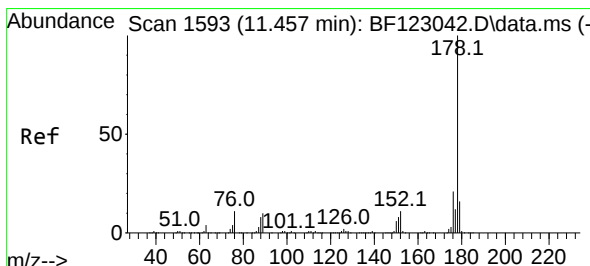
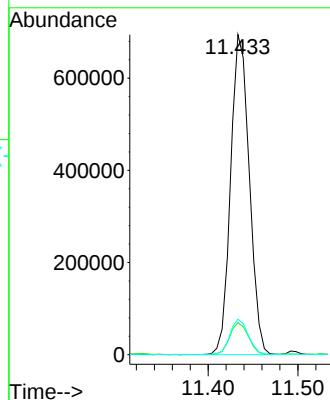
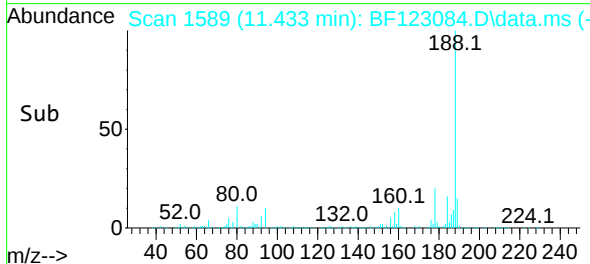
Instrument :
BNA_F
ClientSampled :
CRT-5DL



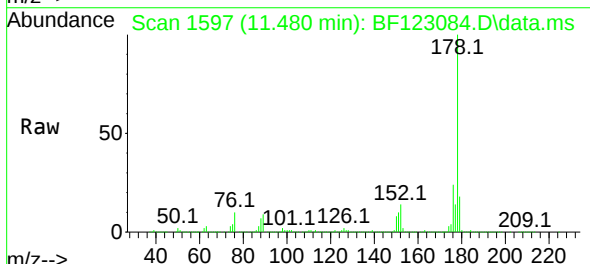
Tgt Ion:188 Resp: 1004443
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 11.1 8.2 12.4

Manual Integrations
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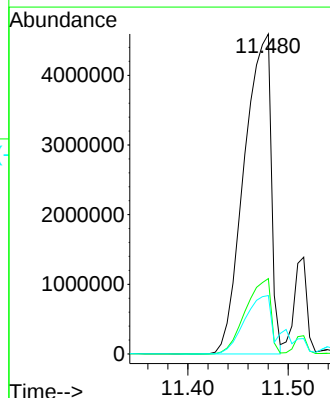
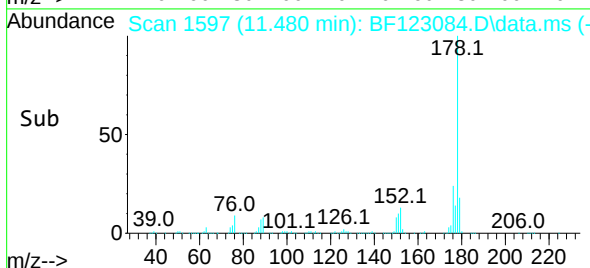
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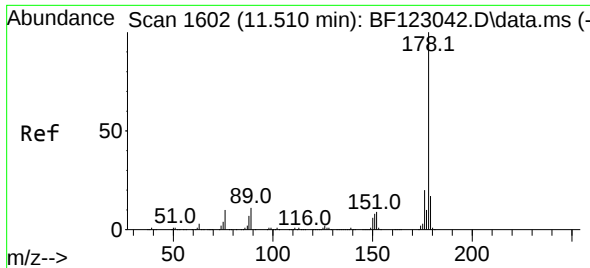


#71
Phenanthrene
Concen: 136.83 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.023 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



Tgt Ion:178 Resp: 8535490
Ion Ratio Lower Upper
178 100
176 23.6 16.2 24.2
179 18.3 12.7 19.1





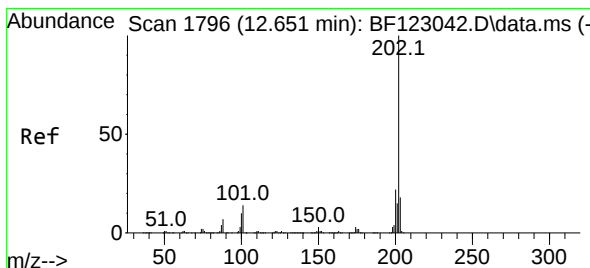
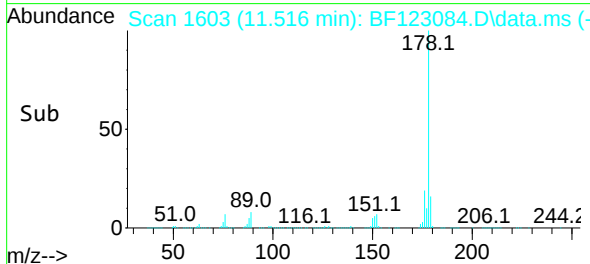
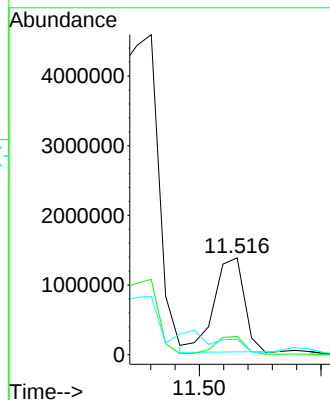
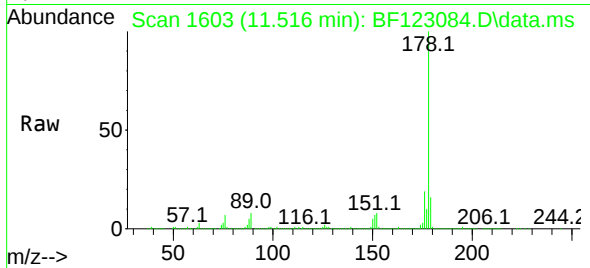
#72
 Anthracene
 Concen: 19.47 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. 0.006 min
 Lab File: BF123084.D
 Acq: 29 Jan 2021 16:10

Tgt Ion:178 Resp: 1165240
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.8 12.8 19.2

Instrument :
 BNA_F
 ClientSampled :
 CRT-5DL

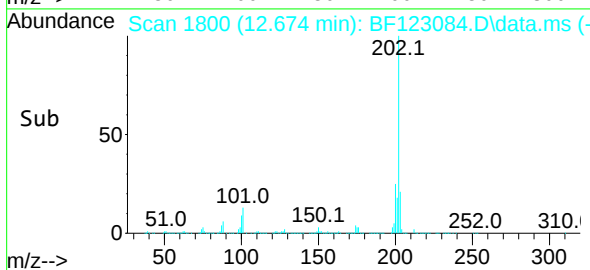
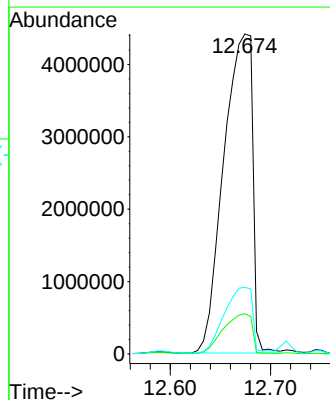
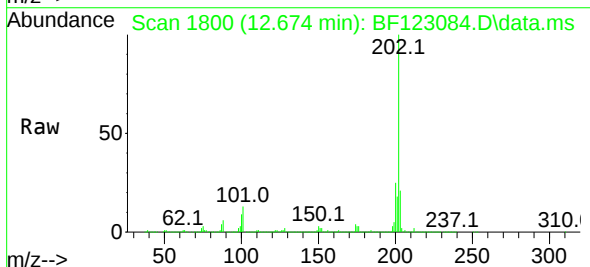
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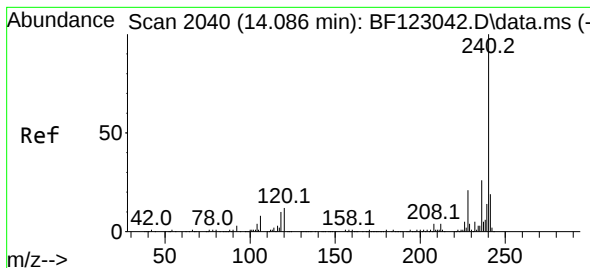
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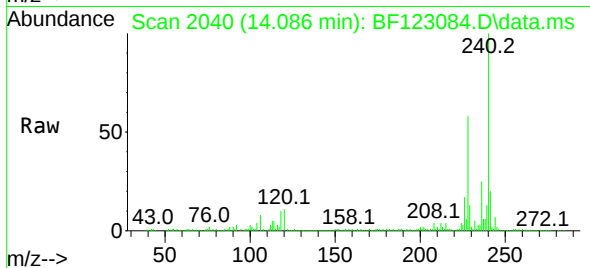
#75
 Fluoranthene
 Concen: 141.14 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. 0.023 min
 Lab File: BF123084.D
 Acq: 29 Jan 2021 16:10

Tgt Ion:202 Resp: 8799908
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 32.2
 203 20.8 0.0 38.1

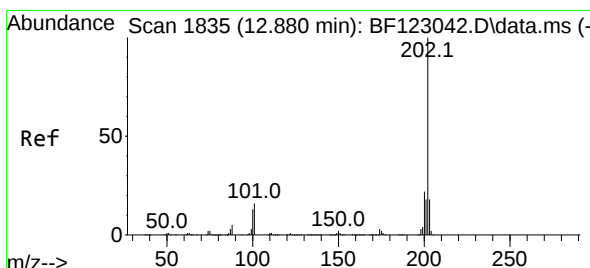
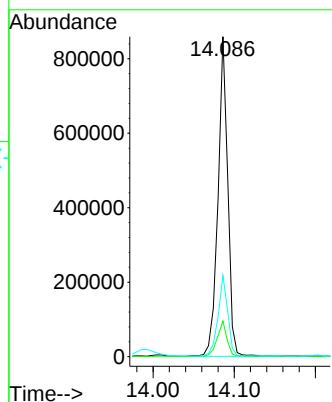
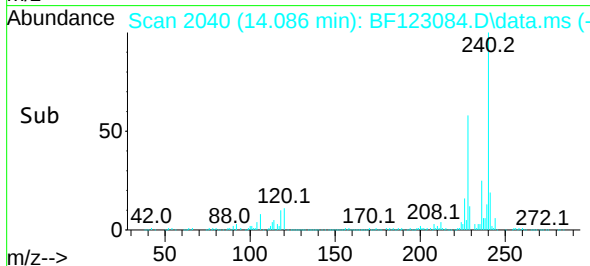




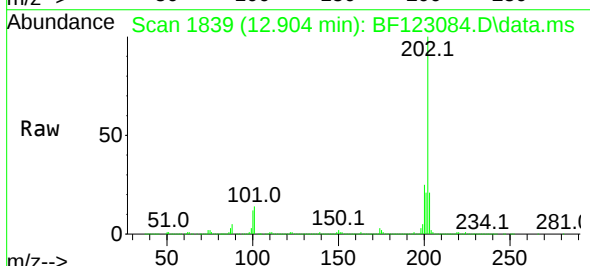
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



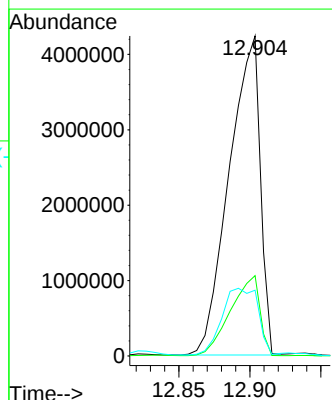
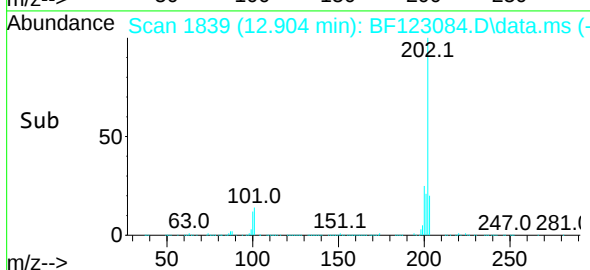
Tgt Ion:240 Resp: 719254
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.3 20.3 30.5



#78
Pyrene
Concen: 118.12 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.023 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



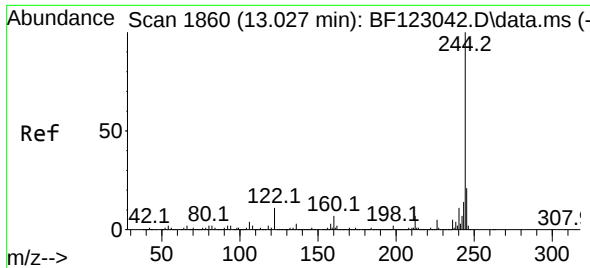
Tgt Ion:202 Resp: 6413823
Ion Ratio Lower Upper
202 100
200 25.1 17.6 26.4
203 20.6 14.6 21.8



Instrument :
BNA_F
ClientSampleId :
CRT-5DL

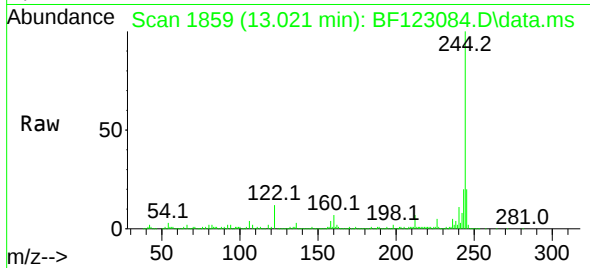
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2/1/2021 11:49:46 AM



#79
Terphenyl-d14
Concen: 38.13 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

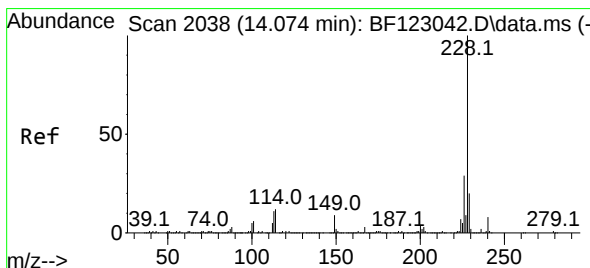
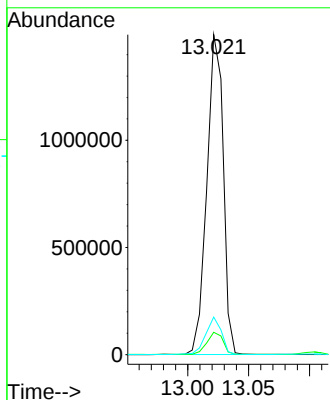
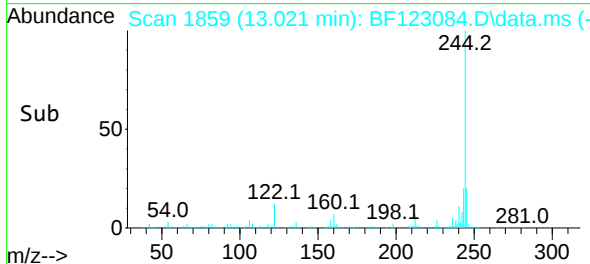
Instrument :
BNA_F
ClientSampleId :
CRT-5DL



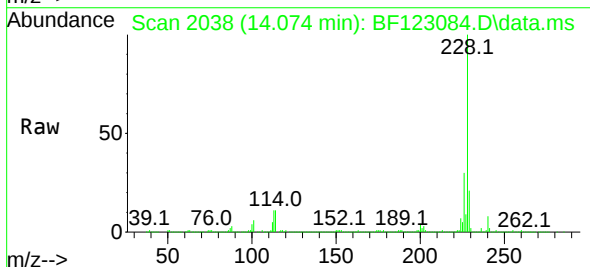
Tgt Ion:244 Resp: 1395787
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.7 8.3 12.5

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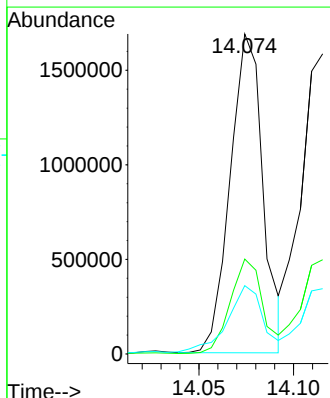
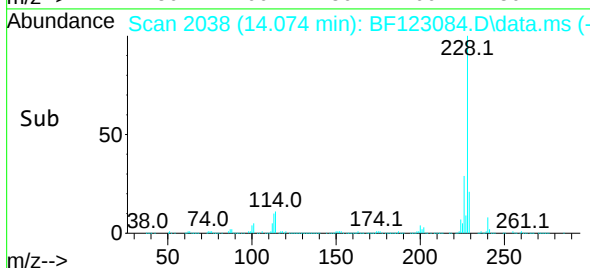
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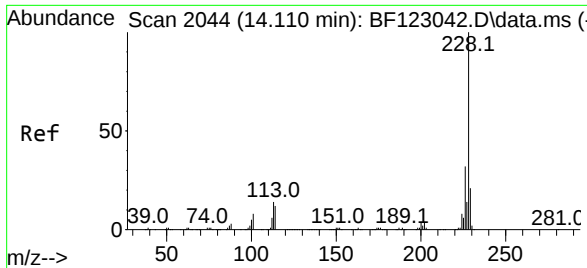


#81
Benzo(a)anthracene
Concen: 41.76 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



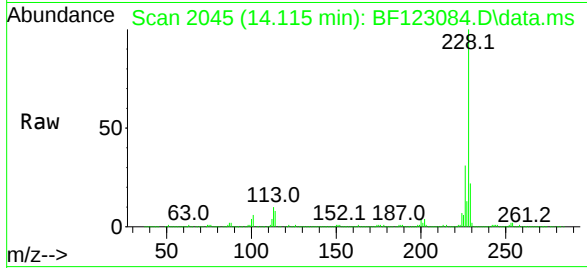
Tgt Ion:228 Resp: 2032891
Ion Ratio Lower Upper
228 100
226 29.6 23.0 34.4
229 21.4 16.6 24.8





#83
Chrysene
Concen: 34.08 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

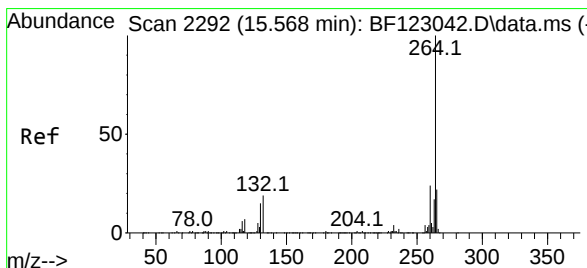
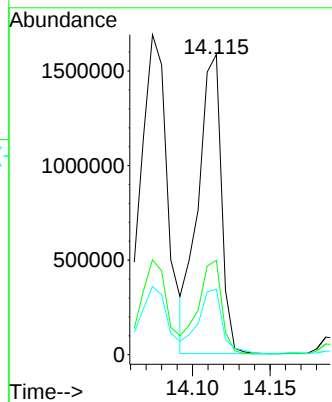
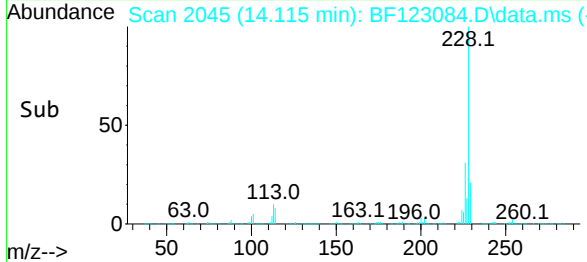
Instrument :
BNA_F
ClientSampleId :
CRT-5DL



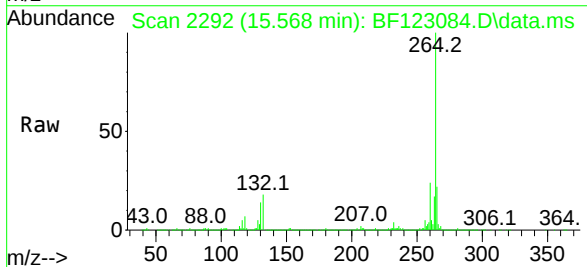
Tgt Ion:228 Resp: 1660307
Ion Ratio Lower Upper
228 100
226 31.4 24.6 36.8
229 21.7 15.8 23.6

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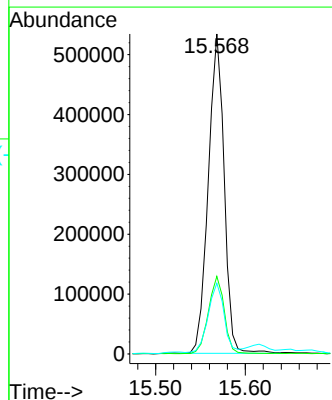
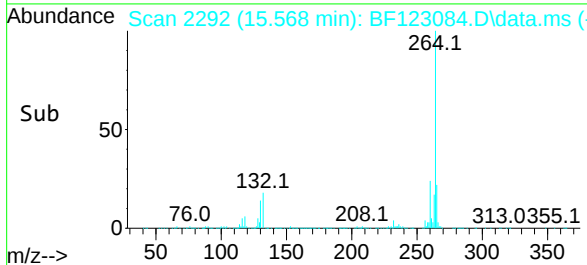
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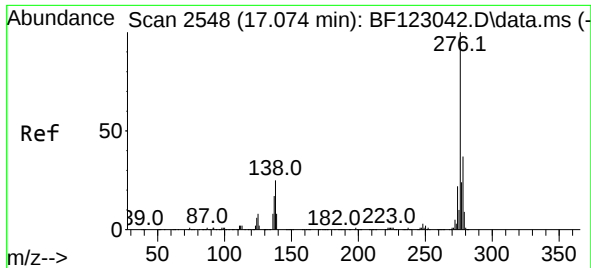


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10



Tgt Ion:264 Resp: 655527
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 22.1 17.0 25.6





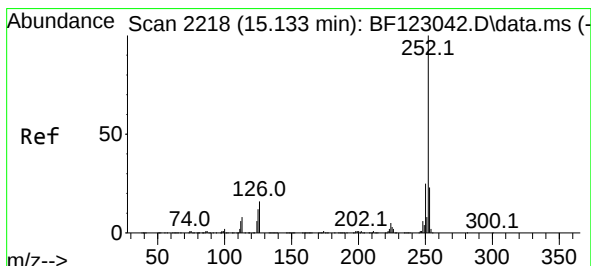
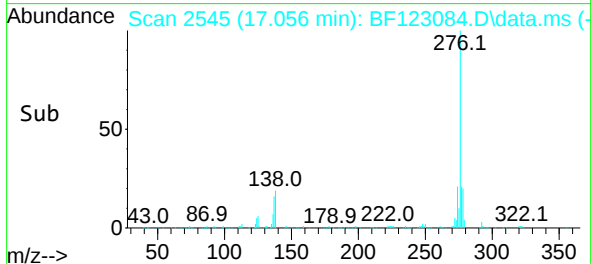
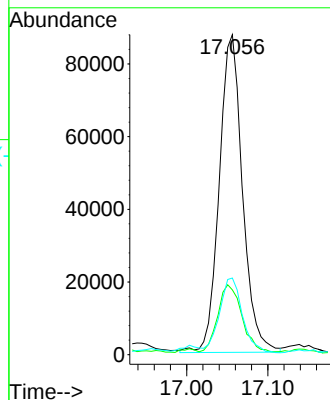
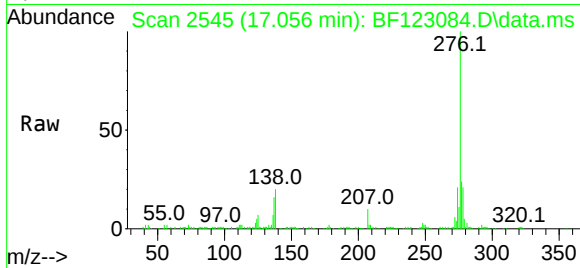
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.018 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion: 276 Resp: 174331
Ion Ratio Lower Upper
276 100
138 22.1 18.7 28.1
277 23.1 20.2 30.4

Instrument :
BNA_F
ClientSampled :
CRT-5DL

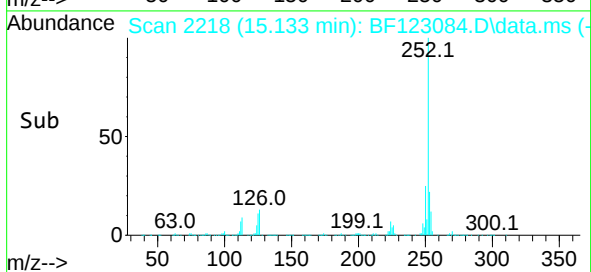
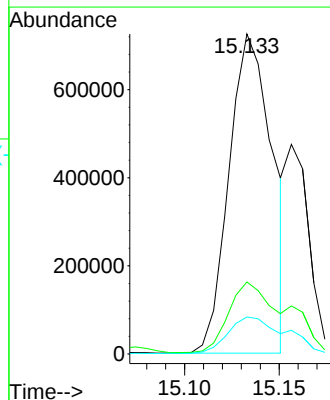
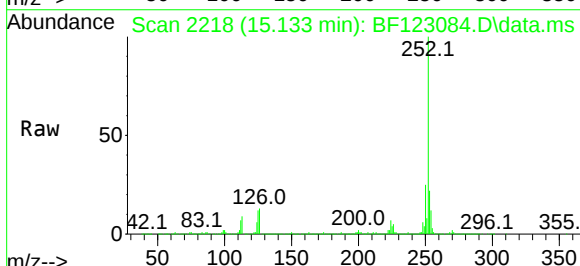
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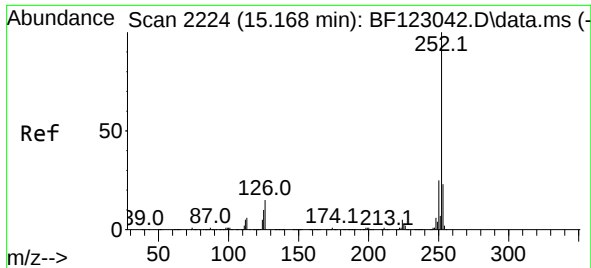
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2/1/2021 11:49:46 AM



#88
Benzo(b)fluoranthene
Concen: 24.38 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion: 252 Resp: 1153762
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 11.5 8.1 12.1





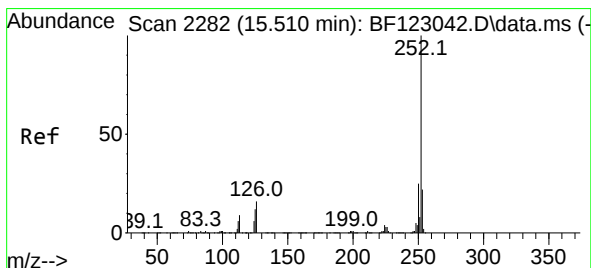
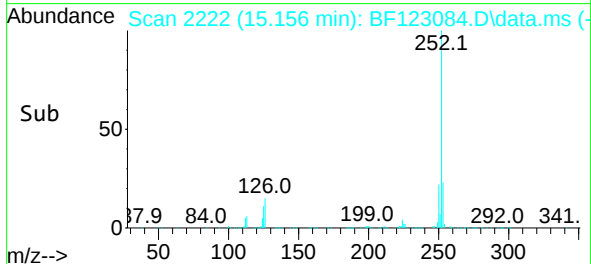
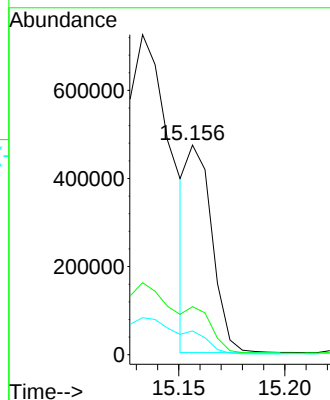
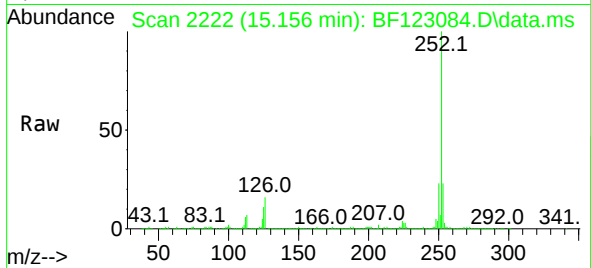
#89
Benzo(k)fluoranthene
Concen: 8.67 ng m
RT: 15.156 min Scan# 2222
Delta R.T. -0.012 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:252 Resp: 381245
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.3 8.4 12.6

Instrument :
BNA_F
ClientSampleId :
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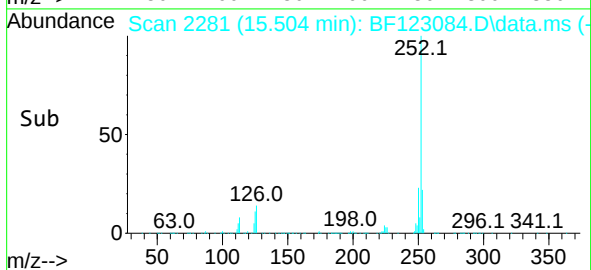
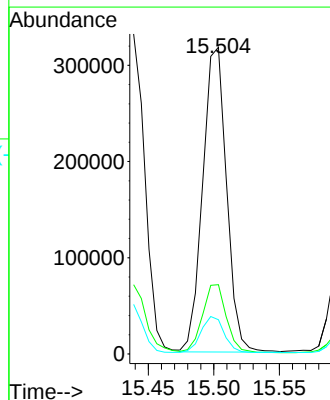
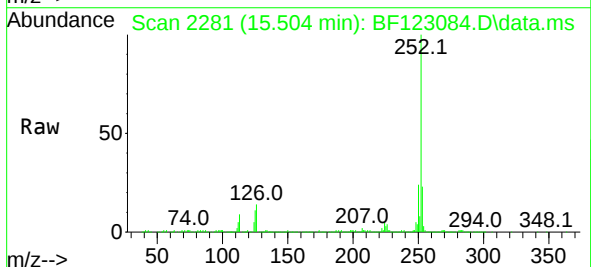
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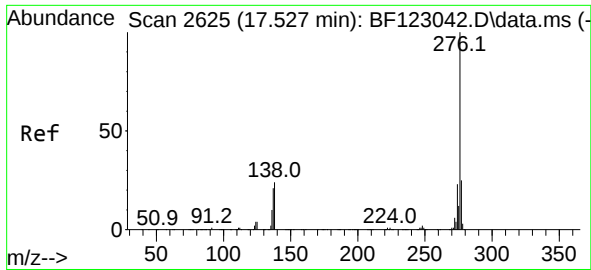
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#90
Benzo(a)pyrene
Concen: 9.69 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:252 Resp: 402522
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.1 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 3.37 ng

RT: 17.503 min Scan# 2621

Delta R.T. -0.024 min

Lab File: BF123084.D

Acq: 29 Jan 2021 16:10

Tgt Ion: 276 Resp: 117240

Ion Ratio Lower Upper

276 100

277 25.9 19.3 28.9

138 23.6 16.6 24.8

Instrument :

BNA_F

ClientSampleId :

CRT-5DL

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2/1/2021 11:49:46 AM

