

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127185.D
 Acq On : 03 Mar 2022 21:52
 Operator : CG\JU
 Sample : N1726-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 332

Quant Time: Mar 04 02:15:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

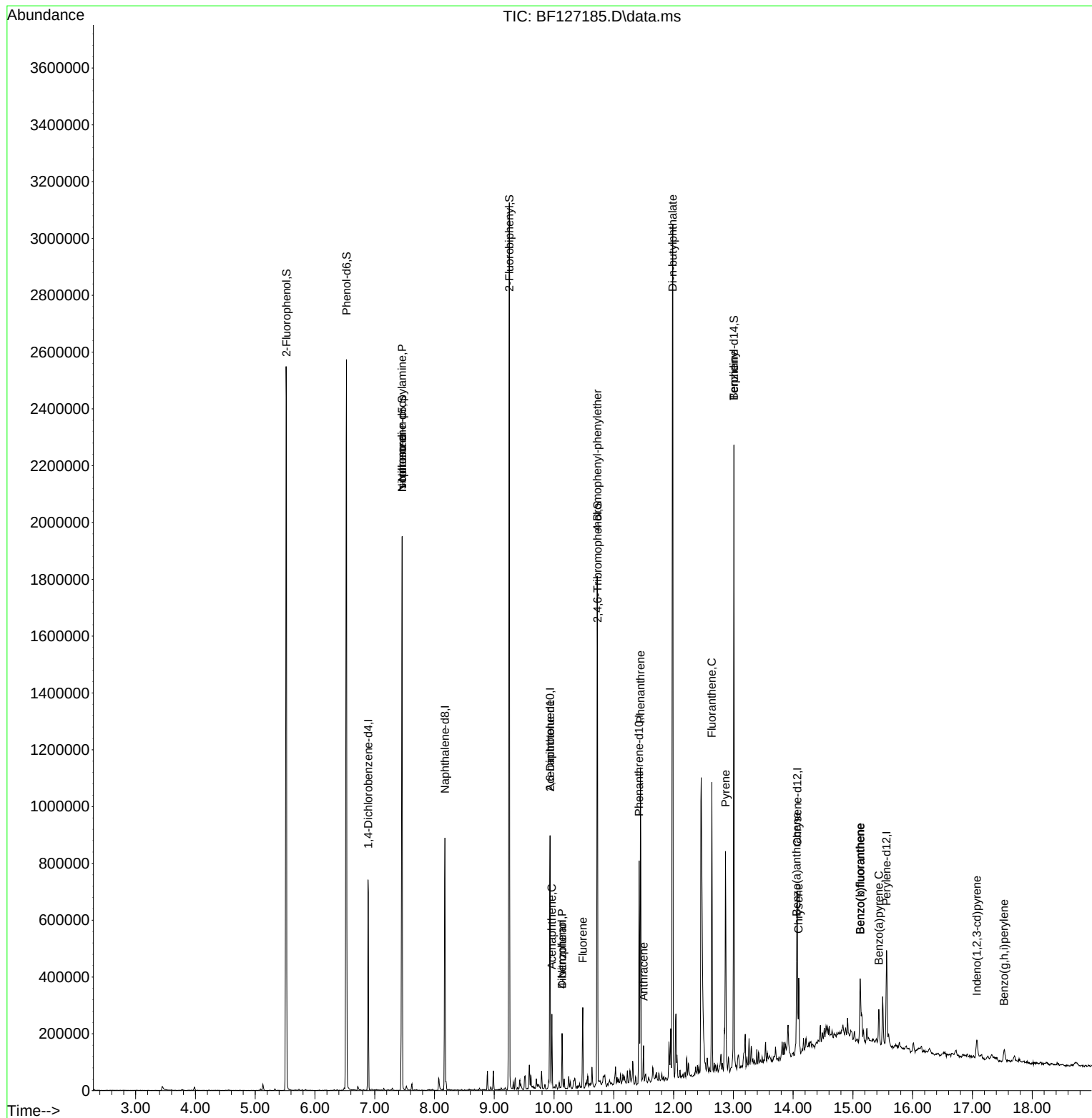
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	103404	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	352415	20.000	ng	# 0.00
39) Acenaphthene-d10	9.934	164	164203	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	248466	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	146012	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	134801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	697615	104.272	ng	0.01
7) Phenol-d6	6.528	99	894238	99.056	ng	0.00
23) Nitrobenzene-d5	7.457	82	605304	77.527	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	199102	105.313	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	841090	75.408	ng	0.00
79) Terphenyl-d14	13.010	244	652173	65.660	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	81844	14.069	ng	# 79
25) Isophorone	7.457	82	604002	46.751	ng	# 69
51) 2,6-Dinitrotoluene	9.934	165	22571	9.452	ng	# 22
52) Acenaphthene	9.963	154	46933	4.605	ng	95
55) Dibenzofuran	10.134	168	57142	4.077	ng	91
56) 4-Nitrophenol	10.134	139	25562	11.857	ng	# 7
58) Fluorene	10.481	166	65908	6.038	ng	95
67) 4-Bromophenyl-phenylether	10.722	248	11651	4.197	ng	# 1
71) Phenanthrene	11.445	178	370534	26.643	ng	99
72) Anthracene	11.498	178	42214	3.049	ng	98
74) Di-n-butylphthalate	11.986	149	1558502	95.484	ng	99
75) Fluoranthene	12.639	202	342901	25.968	ng	93
77) Benzidine	13.010	184	10540	2.656	ng	# 92
78) Pyrene	12.869	202	280403	22.105	ng	99
81) Benzo(a)anthracene	14.057	228	103316	10.496	ng	95
83) Chrysene	14.092	228	98564	10.648	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	37988	4.298	ng	# 79
88) Benzo(b)fluoranthene	15.121	252	144072	15.913	ng	# 95
89) Benzo(k)fluoranthene	15.121	252	144072	16.498	ng	# 95
90) Benzo(a)pyrene	15.433	252	50276	7.109	ng	99
92) Benzo(g,h,i)perylene	17.527	276	33635	4.667	ng	# 84

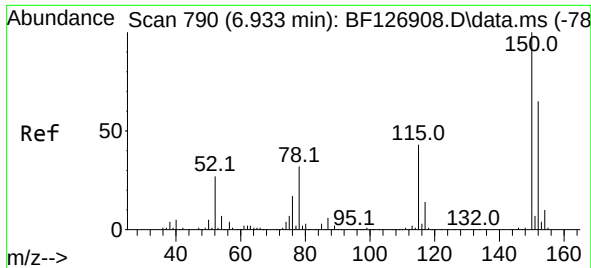
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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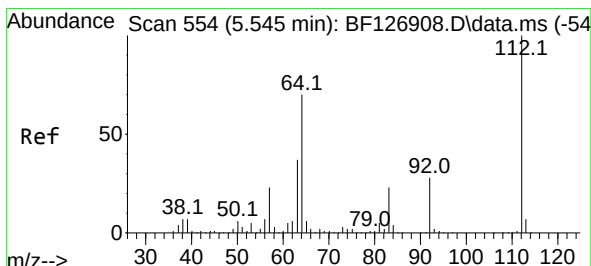
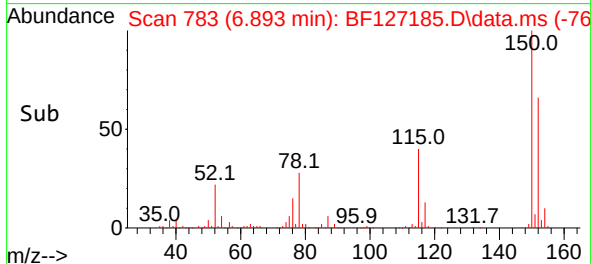
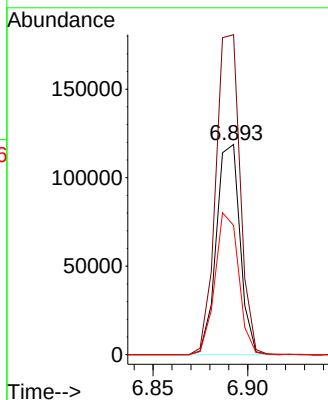
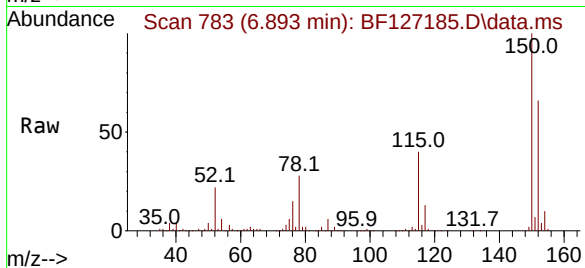




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

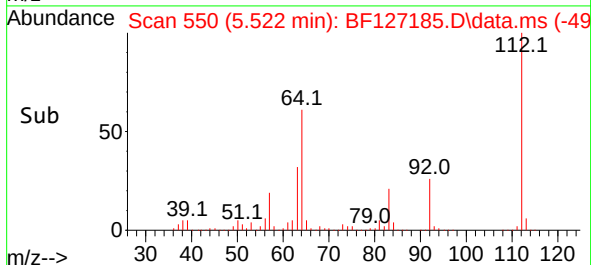
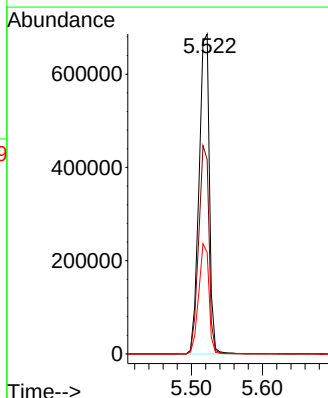
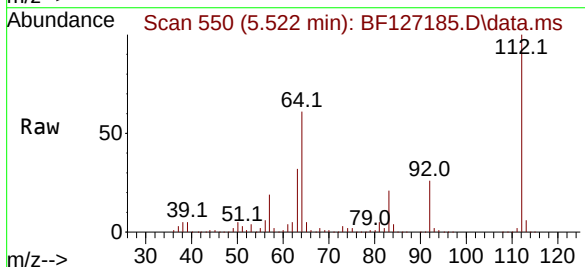
Instrument :
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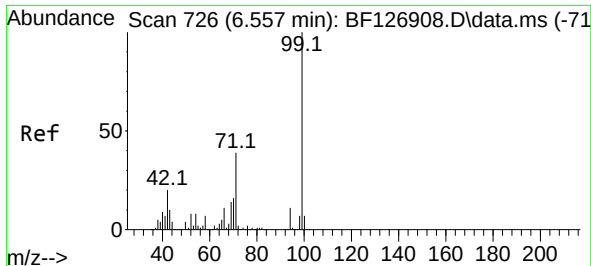
Tgt Ion:152 Resp: 103404
Ion Ratio Lower Upper
152 100
150 152.3 128.1 192.1
115 61.5 56.7 85.1



#5
2-Fluorophenol
Concen: 104.272 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.012 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:112 Resp: 697615
Ion Ratio Lower Upper
112 100
64 60.8 49.5 74.3
63 31.7 23.9 35.9





#7
Phenol-d6
Concen: 99.056 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

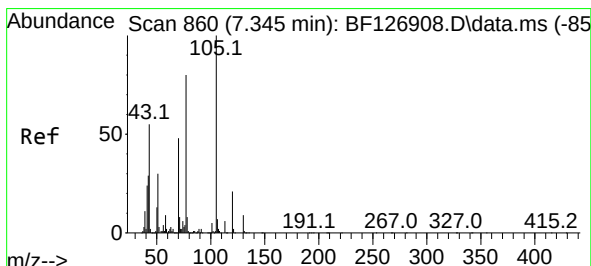
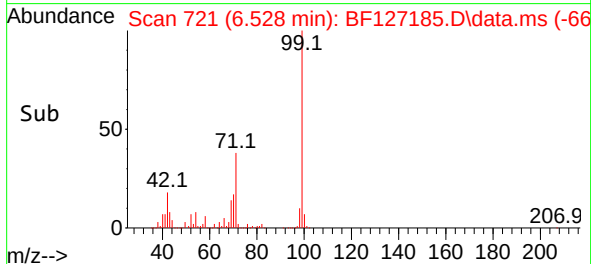
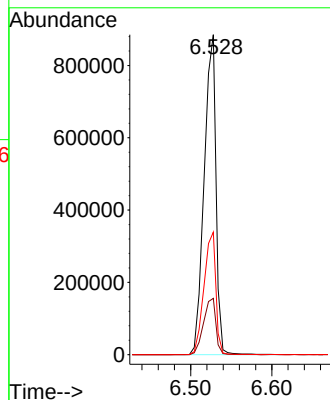
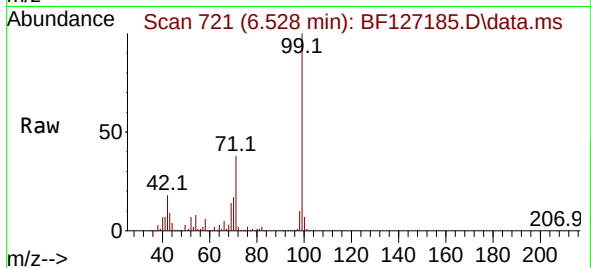
Instrument :

BNA_F

ClientSampleId :

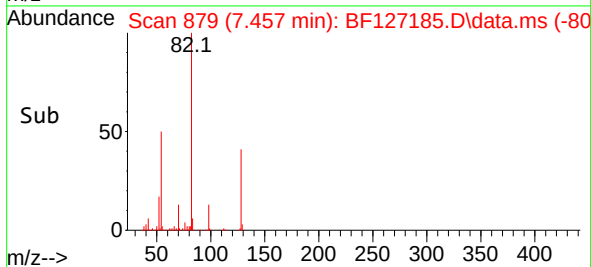
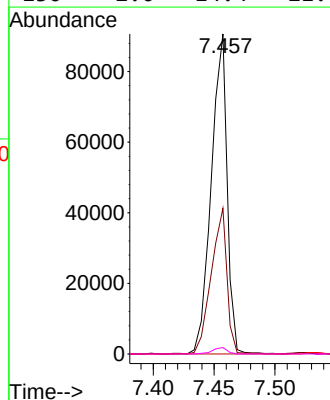
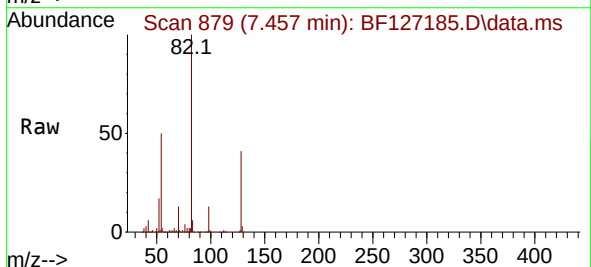
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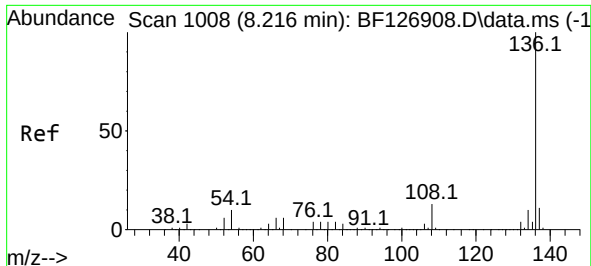
Tgt Ion: 99 Resp: 894238
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 38.3 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.069 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.153 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion: 70 Resp: 81844
Ion Ratio Lower Upper
70 100
42 45.5 45.8 68.8#
101 0.0 6.9 10.3#
130 2.0 14.4 21.6#

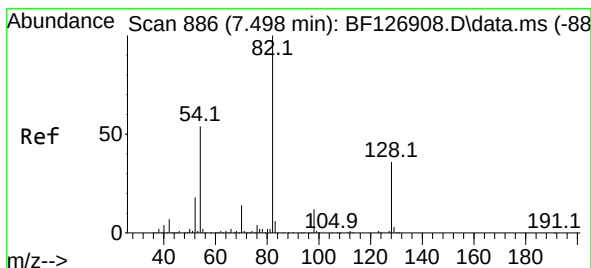
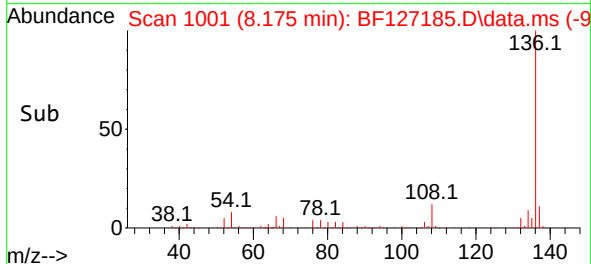
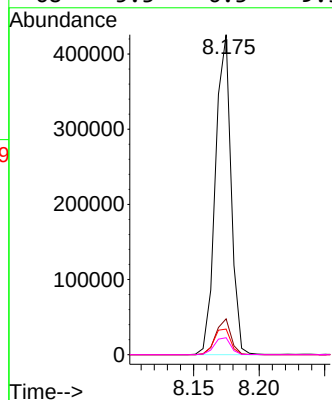
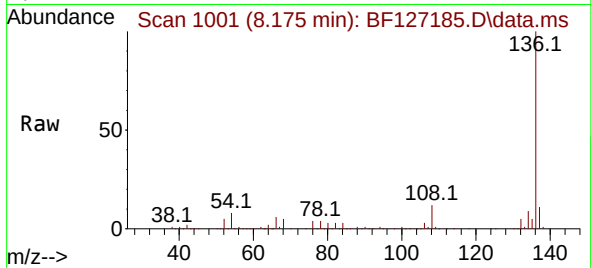




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

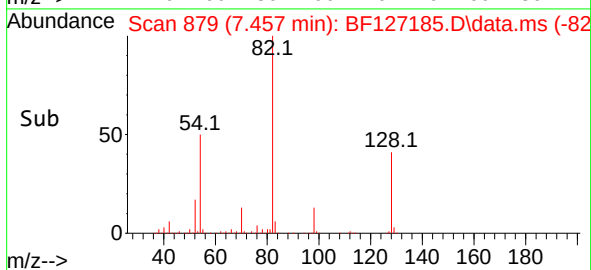
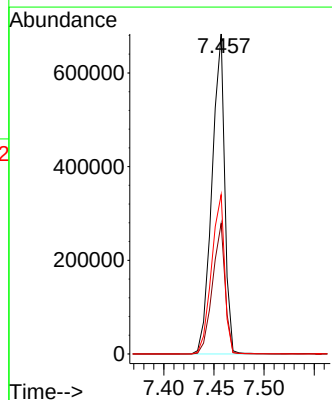
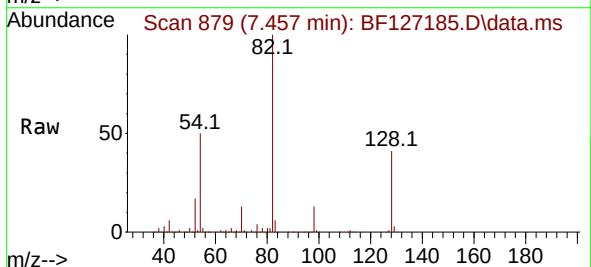
Instrument :
BNA_F
ClientSampleId :
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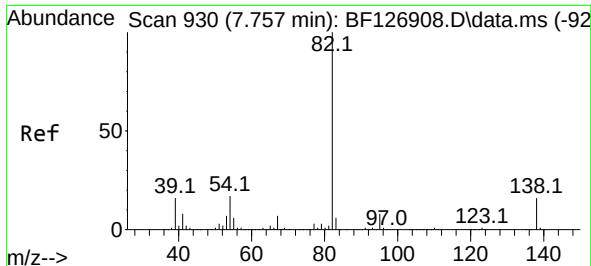
Tgt Ion:136 Resp: 352415
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.0 7.8 11.6
68 5.3 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 77.527 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion: 82 Resp: 605304
Ion Ratio Lower Upper
82 100
128 40.8 32.7 49.1
54 49.8 41.7 62.5

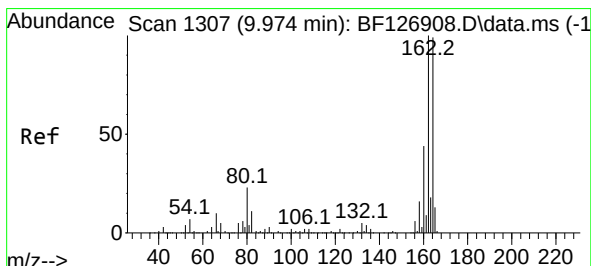
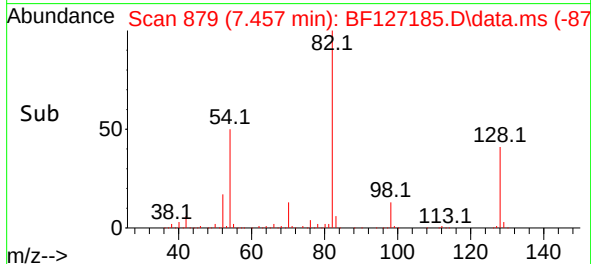
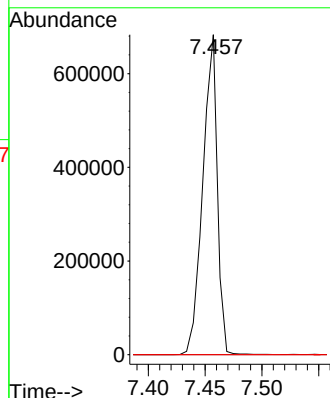
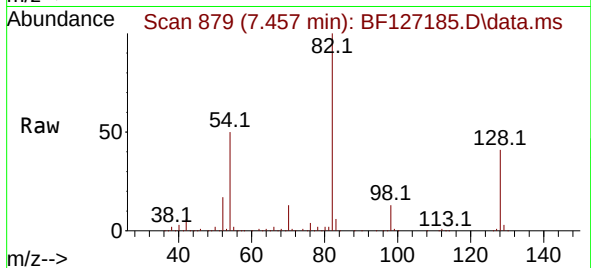




#25
Isophorone
Concen: 46.751 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

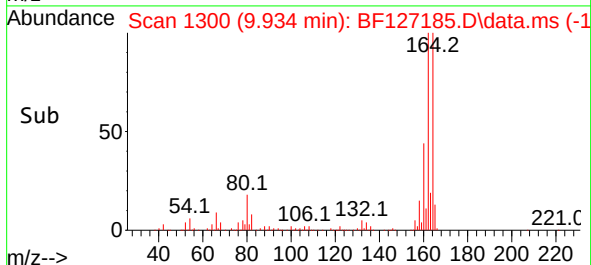
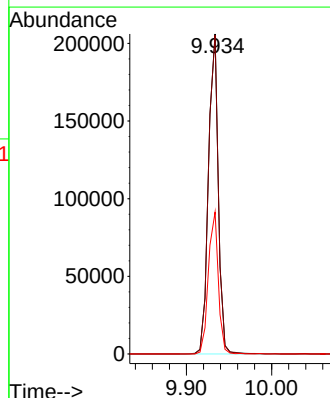
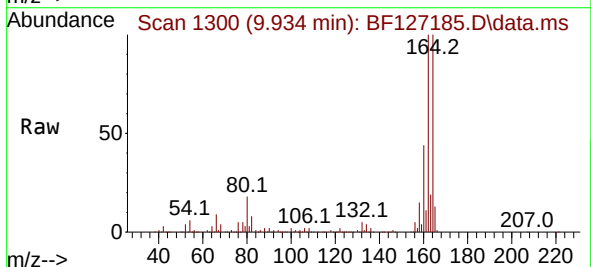
Instrument :
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ClientSampleId :
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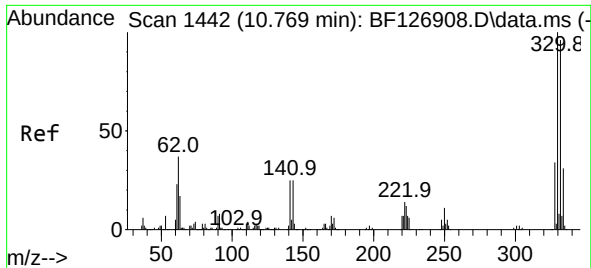
Tgt Ion: 82 Resp: 604002
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:164 Resp: 164203
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 44.4 36.6 54.8

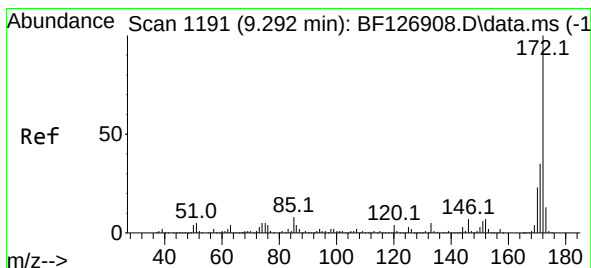
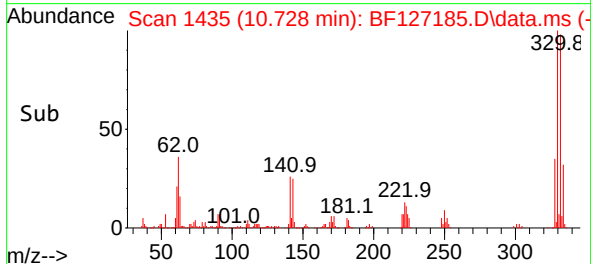
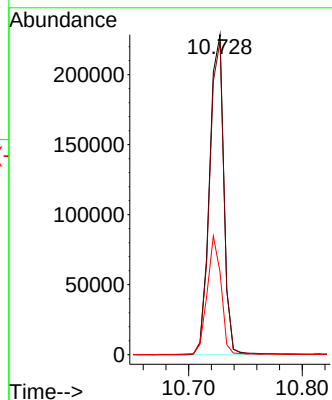
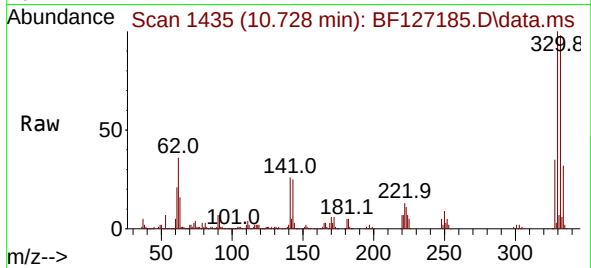




#42
 2,4,6-Tribromophenol
 Concen: 105.313 ng
 RT: 10.728 min Scan# 1442
 Delta R.T. 0.000 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

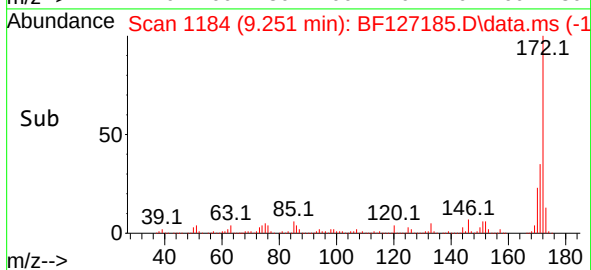
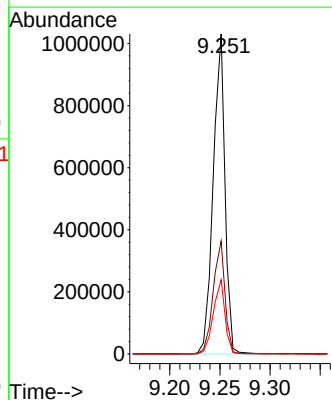
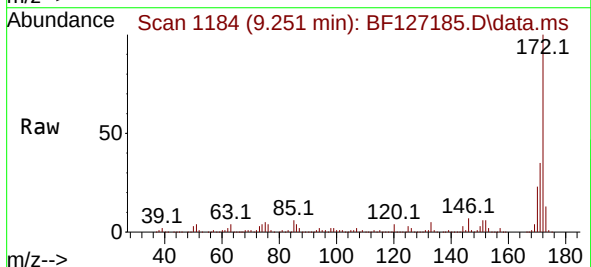
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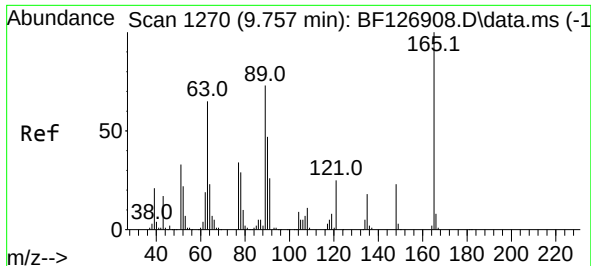
Tgt Ion:330 Resp: 199102
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.0 114.0
 141 36.6 30.1 45.1



#45
 2-Fluorobiphenyl
 Concen: 75.408 ng
 RT: 9.251 min Scan# 1184
 Delta R.T. 0.000 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

Tgt Ion:172 Resp: 841090
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.3 42.5
 170 23.2 19.0 28.6

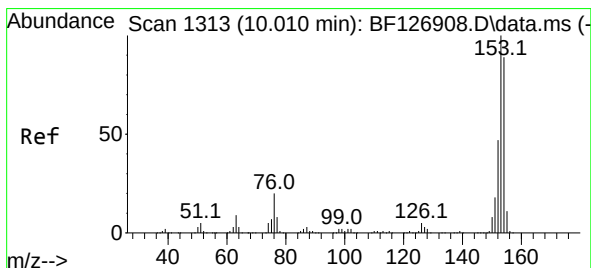
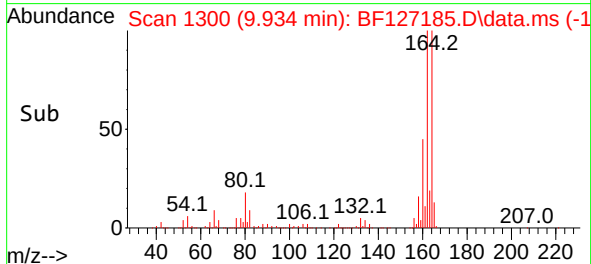
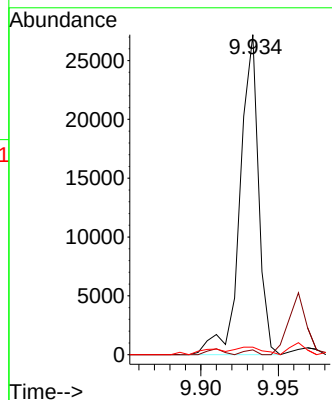
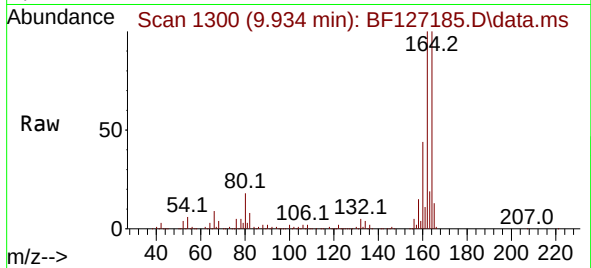




#51
2,6-Dinitrotoluene
Concen: 9.452 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

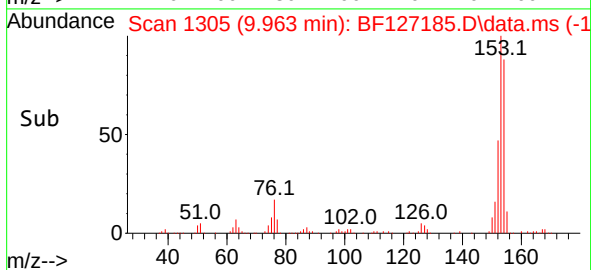
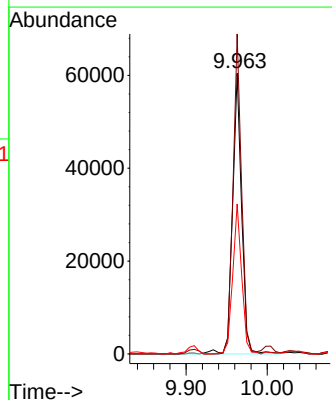
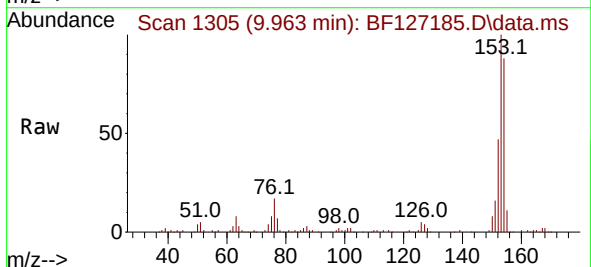
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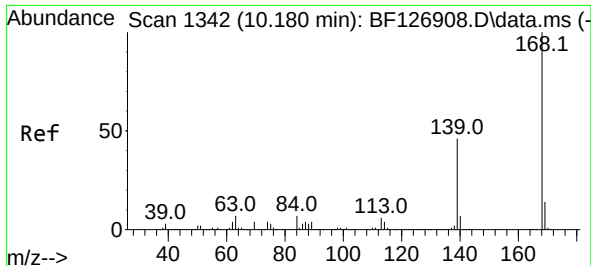
Tgt Ion:165 Resp: 22571
Ion Ratio Lower Upper
165 100
63 1.5 48.4 72.6#
89 2.4 50.5 75.7#



#52
Acenaphthene
Concen: 4.605 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:154 Resp: 46933
Ion Ratio Lower Upper
154 100
153 113.9 87.8 131.6
152 53.4 39.4 59.2

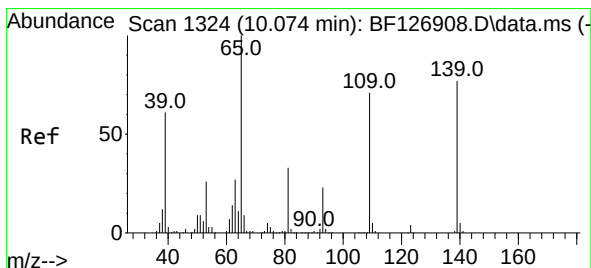
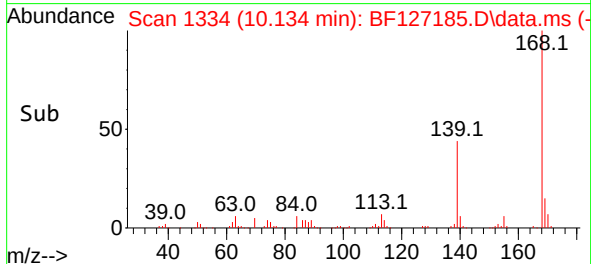
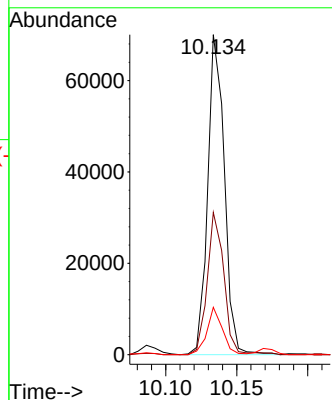
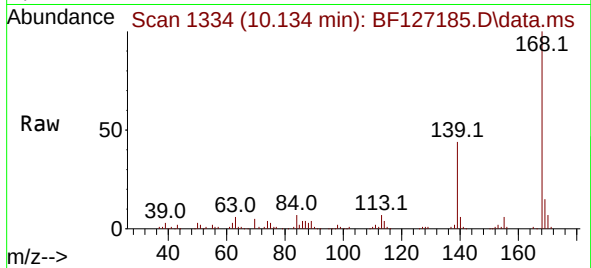




#55
Dibenzenofuran
Concen: 4.077 ng
RT: 10.134 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

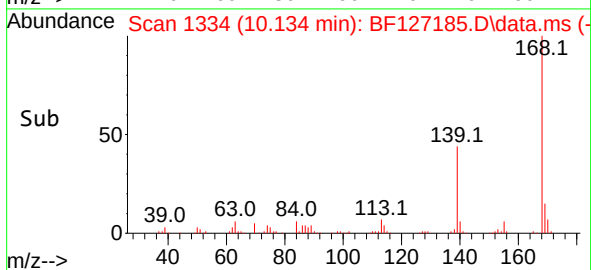
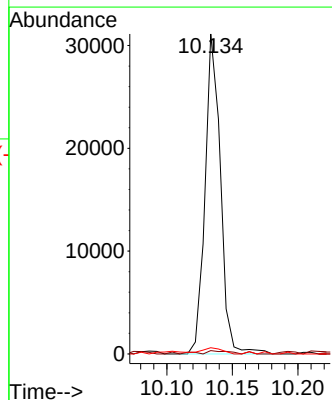
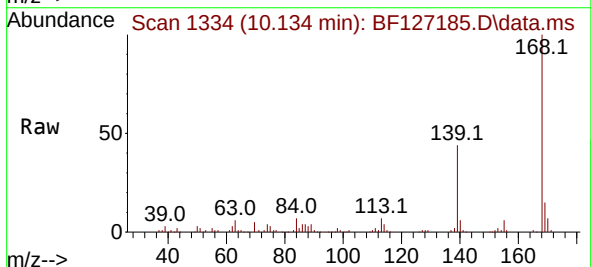
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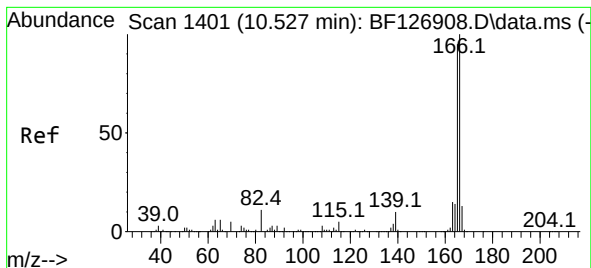
Tgt Ion:168 Resp: 57142
Ion Ratio Lower Upper
168 100
139 44.4 30.6 46.0
169 14.8 10.0 15.0



#56
4-Nitrophenol
Concen: 11.857 ng
RT: 10.134 min Scan# 1334
Delta R.T. 0.082 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:139 Resp: 25562
Ion Ratio Lower Upper
139 100
109 1.0 44.1 84.1#
65 1.9 85.5 125.5#





#58

Fluorene

Concen: 6.038 ng

RT: 10.481 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127185.D

Acq: 03 Mar 2022 21:52

Instrument :

BNA_F

ClientSampleId :

332

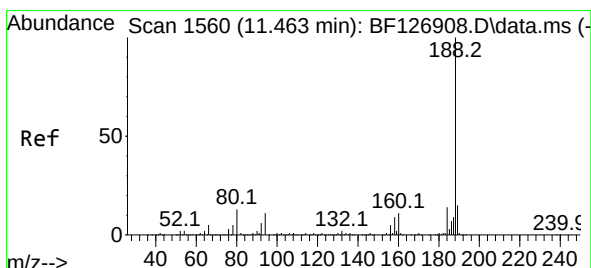
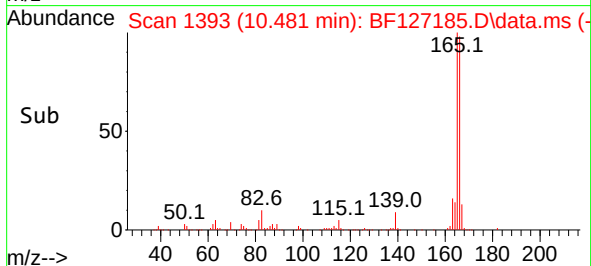
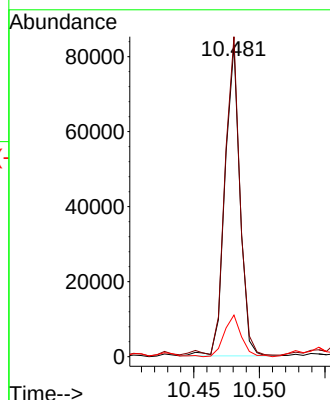
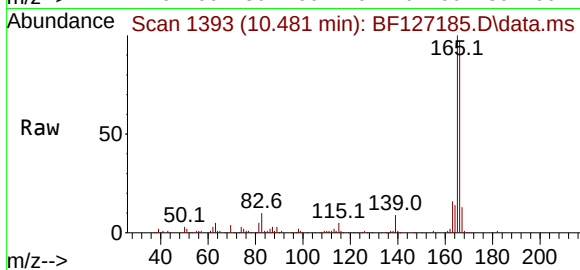
Tgt Ion:166 Resp: 65908

Ion Ratio Lower Upper

166 100

165 102.7 77.7 116.5

167 13.4 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1553

Delta R.T. -0.006 min

Lab File: BF127185.D

Acq: 03 Mar 2022 21:52

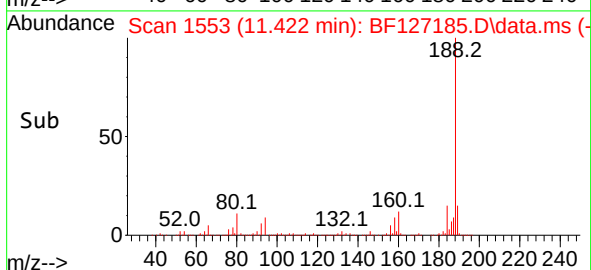
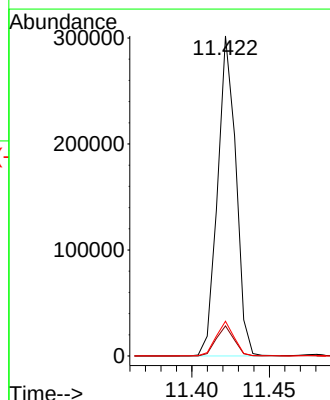
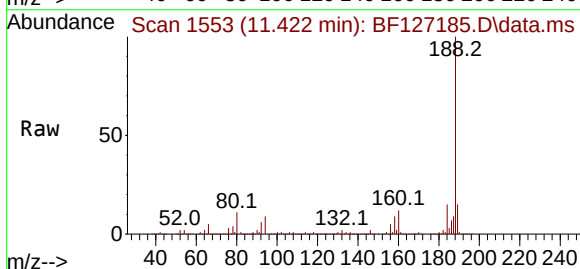
Tgt Ion:188 Resp: 248466

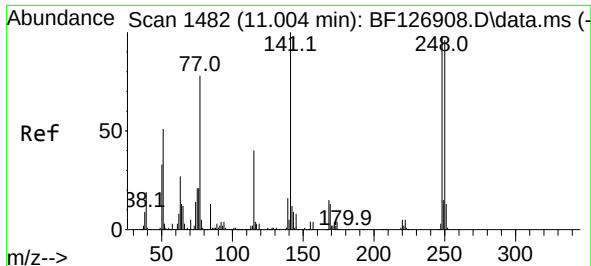
Ion Ratio Lower Upper

188 100

94 9.4 10.1 15.1#

80 10.8 11.8 17.6#

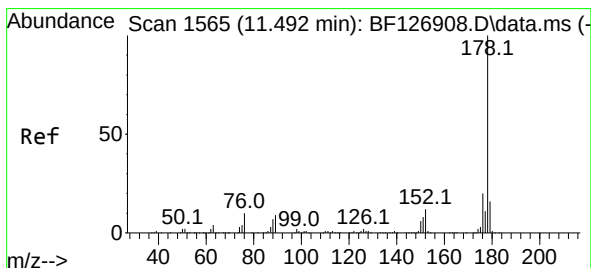
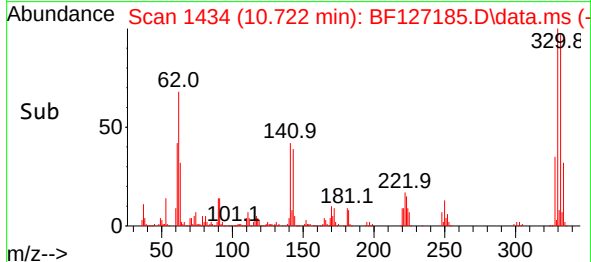
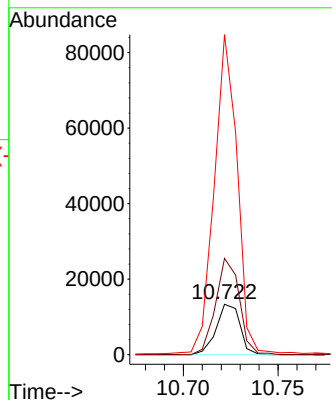
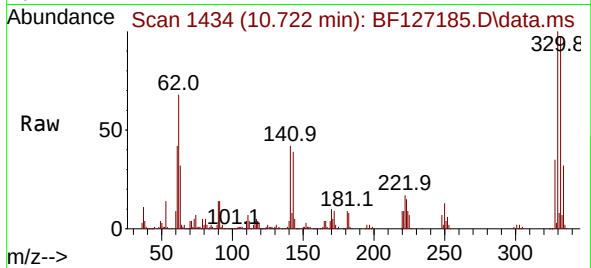




#67
4-Bromophenyl-phenylether
Concen: 4.197 ng
RT: 10.722 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

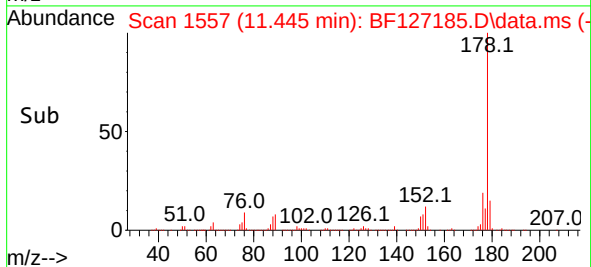
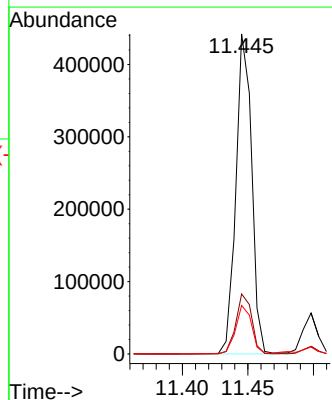
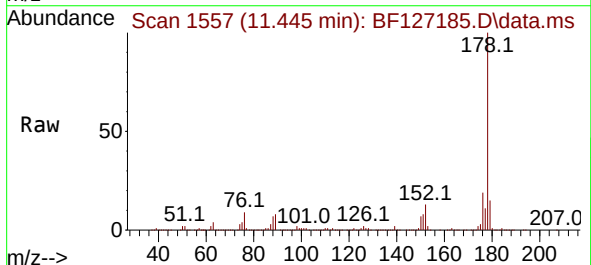
Instrument :
BNA_F
ClientSampleId :
332

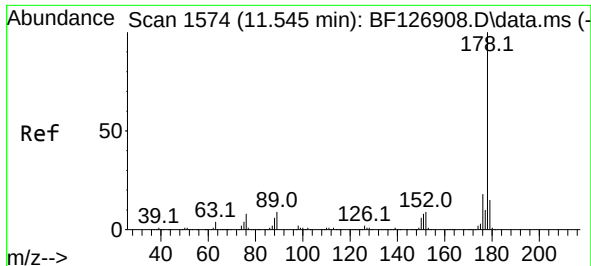
Tgt Ion:248 Resp: 11651
Ion Ratio Lower Upper
248 100
250 191.2 76.2 114.4#
141 635.0 66.2 99.4#



#71
Phenanthrene
Concen: 26.643 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:178 Resp: 370534
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.2 12.3 18.5

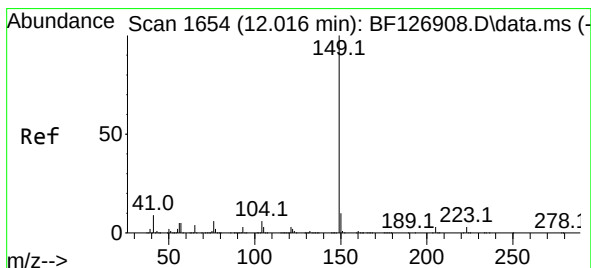
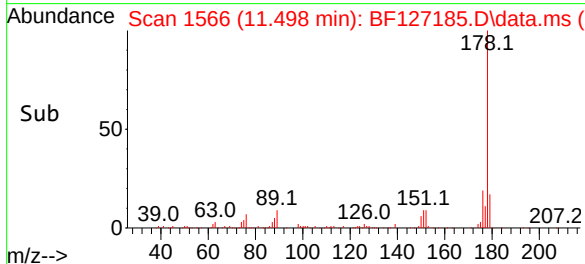
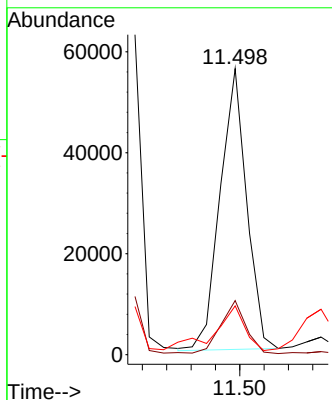
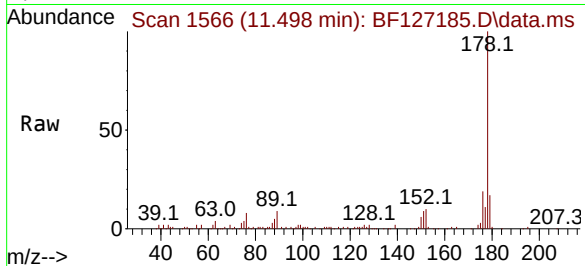




#72
 Anthracene
 Concen: 3.049 ng
 RT: 11.498 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

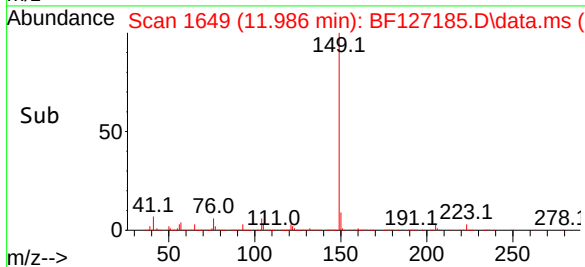
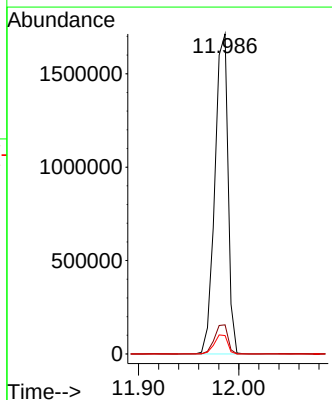
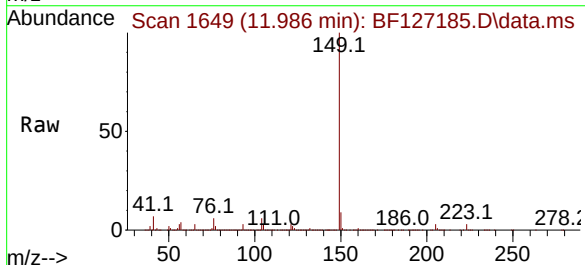
Instrument :
 BNA_F
 ClientSampleId :
 332

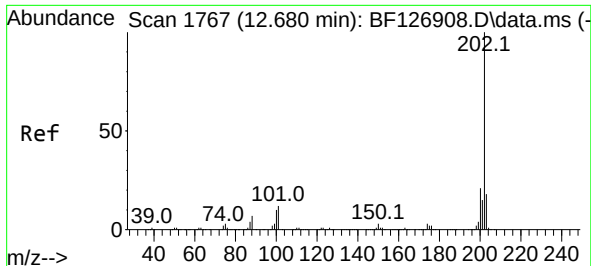
Tgt Ion:178 Resp: 42214
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 17.1 12.5 18.7



#74
 Di-n-butylphthalate
 Concen: 95.484 ng
 RT: 11.986 min Scan# 1649
 Delta R.T. 0.006 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

Tgt Ion:149 Resp: 1558502
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 5.7 4.2 6.2

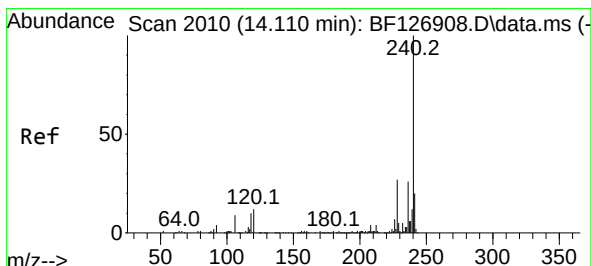
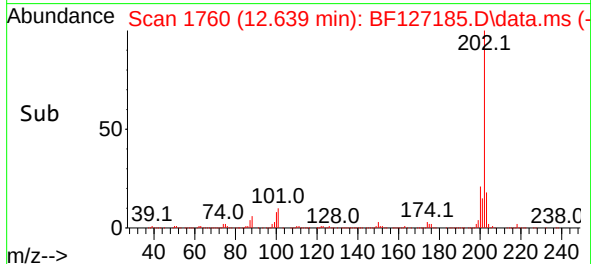
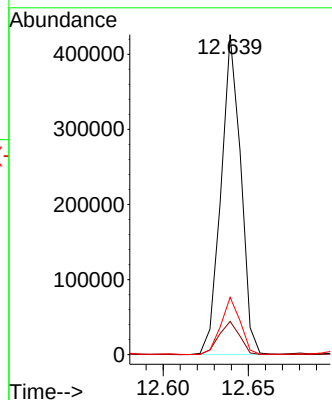
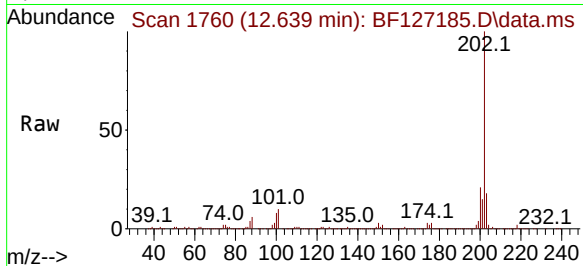




#75
Fluoranthene
Concen: 25.968 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

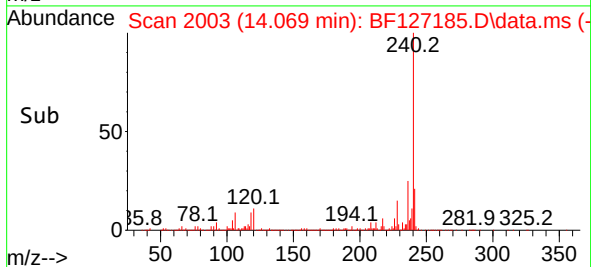
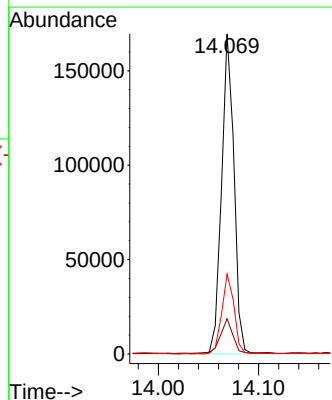
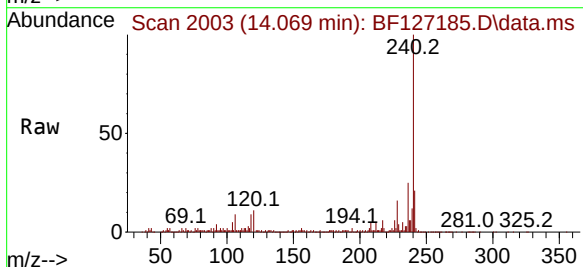
Instrument :
BNA_F
ClientSampleId :
332

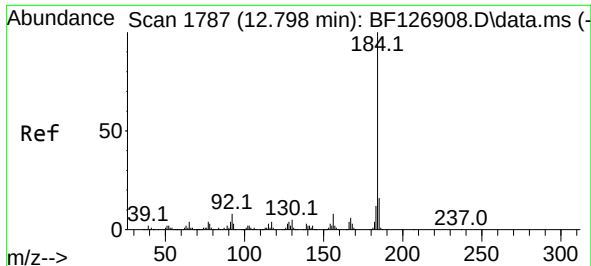
Tgt Ion:202 Resp: 342901
Ion Ratio Lower Upper
202 100
101 10.4 0.0 35.7
203 18.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:240 Resp: 146012
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6#
236 25.0 20.5 30.7

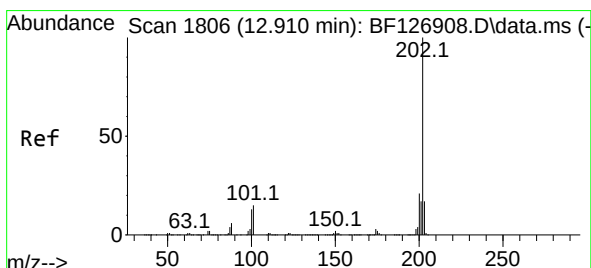
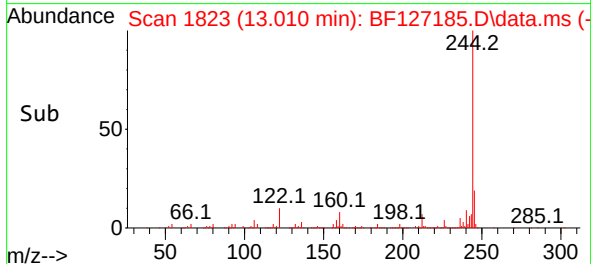
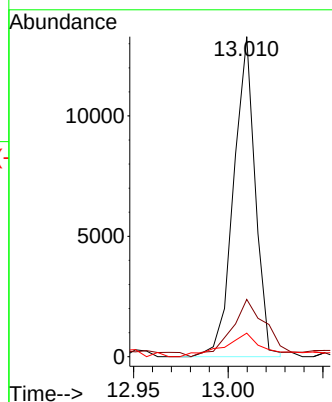
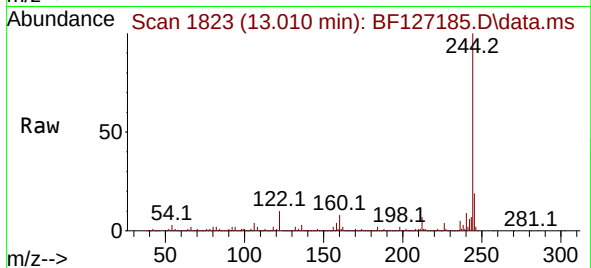




#77
Benzidine
Concen: 2.656 ng
RT: 13.010 min Scan# 1799
Delta R.T. 0.247 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

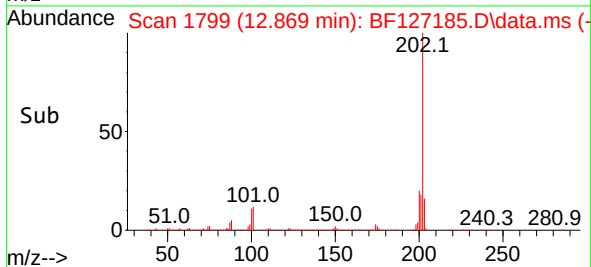
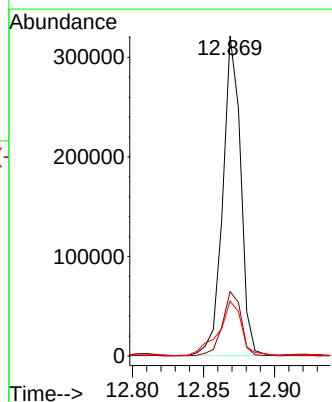
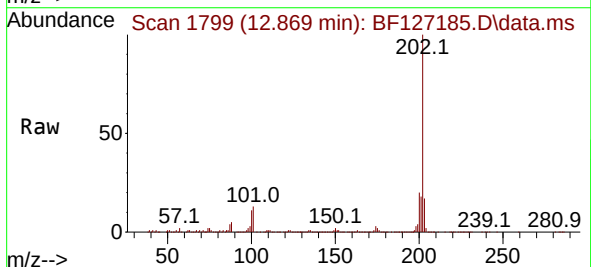
Instrument :
BNA_F
ClientSampleId :
332

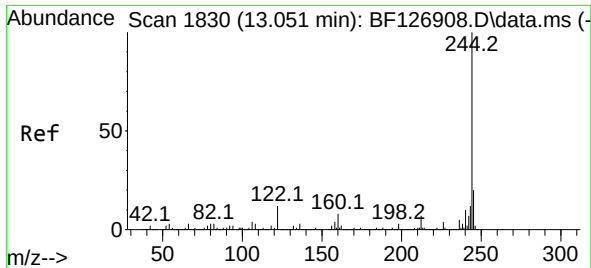
Tgt Ion:184 Resp: 10540
Ion Ratio Lower Upper
184 100
185 17.9 11.8 17.8#
183 7.3 8.2 12.2#



#78
Pyrene
Concen: 22.105 ng
RT: 12.869 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF127185.D
Acq: 03 Mar 2022 21:52

Tgt Ion:202 Resp: 280403
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.2 13.8 20.8

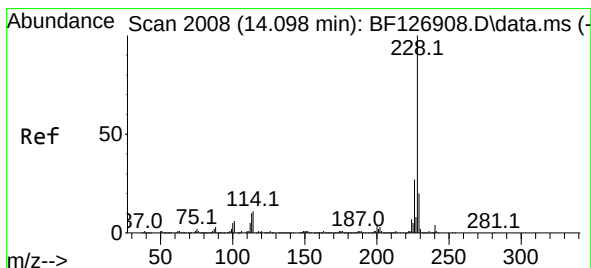
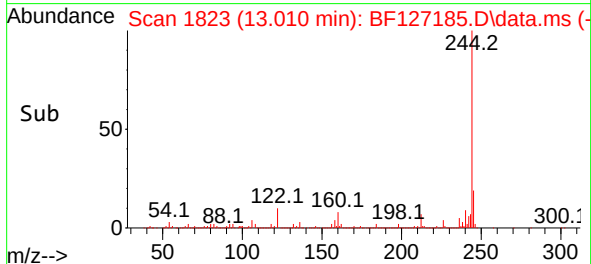
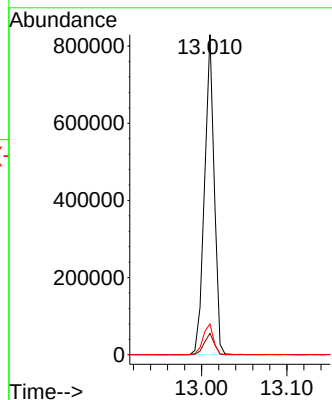
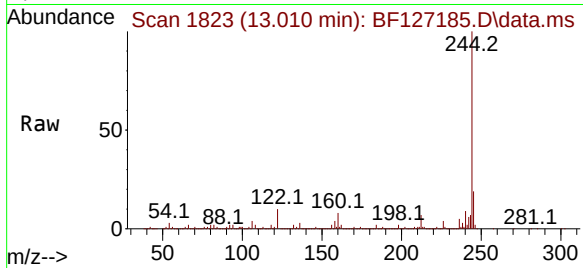




#79
 Terphenyl-d14
 Concen: 65.660 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

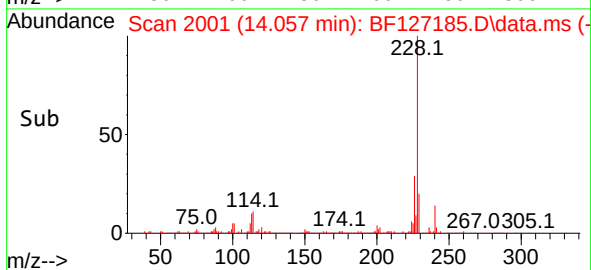
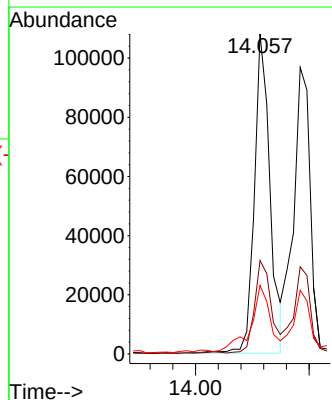
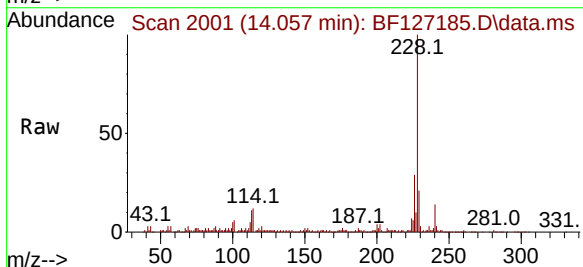
Instrument :
 BNA_F
 ClientSampleId :
 332

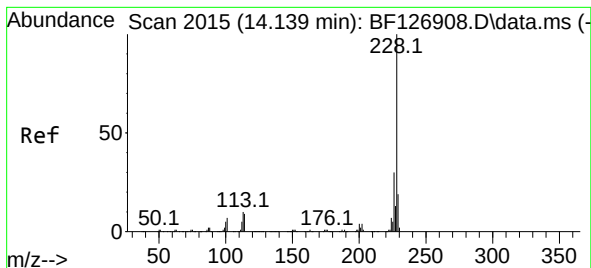
Tgt Ion:244 Resp: 652173
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 9.6 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 10.496 ng
 RT: 14.057 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

Tgt Ion:228 Resp: 103316
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.4 32.0
 229 21.5 15.4 23.2





#83

Chrysene

Concen: 10.648 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127185.D

Acq: 03 Mar 2022 21:52

Instrument :

BNA_F

ClientSampleId :

332

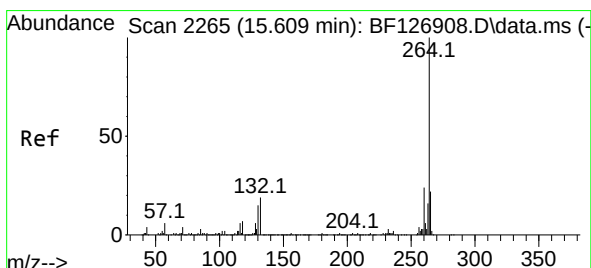
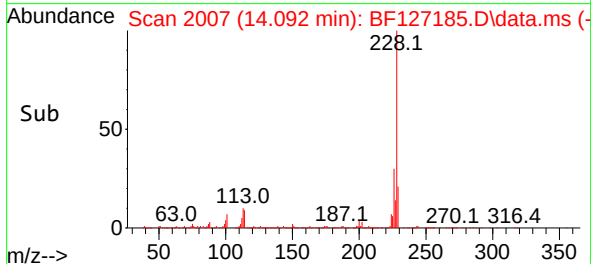
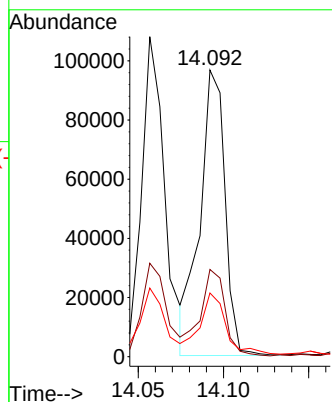
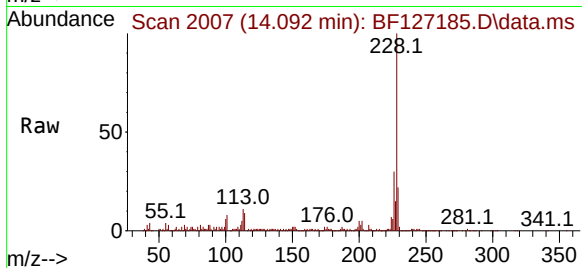
Tgt Ion:228 Resp: 98564

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 22.2 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF127185.D

Acq: 03 Mar 2022 21:52

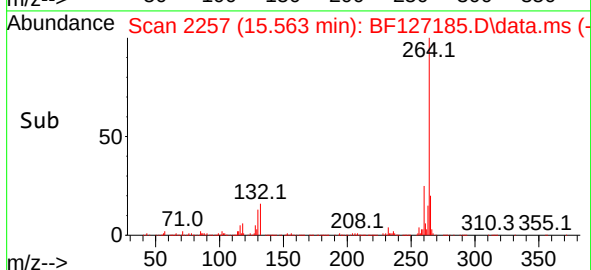
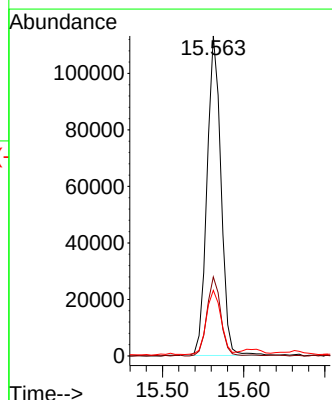
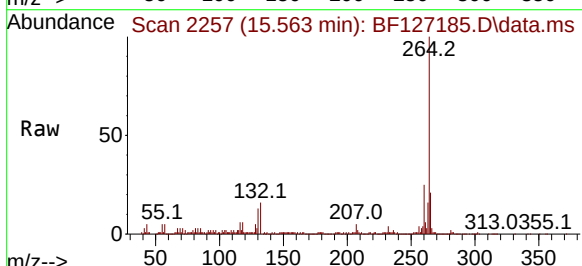
Tgt Ion:264 Resp: 134801

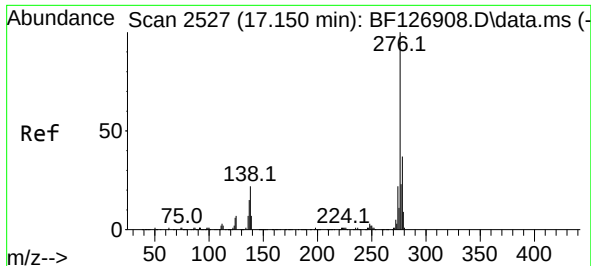
Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 20.5 17.4 26.2

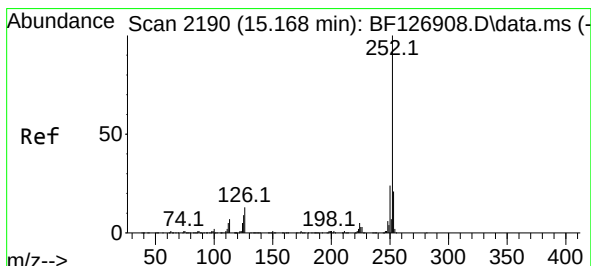
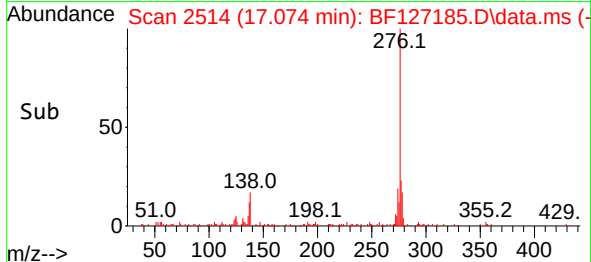
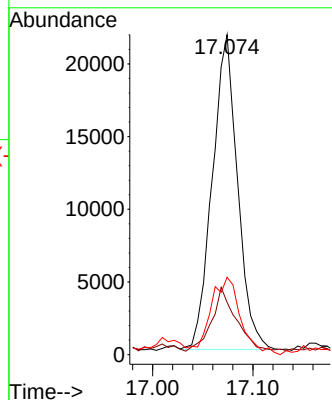
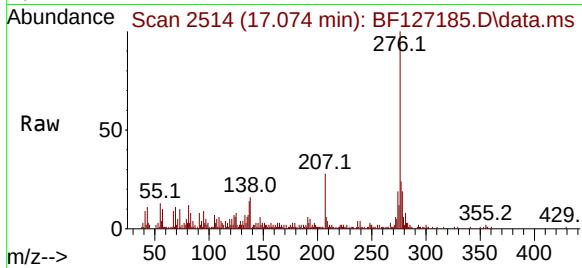




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.298 ng
 RT: 17.074 min Scan# 211
 Delta R.T. -0.012 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

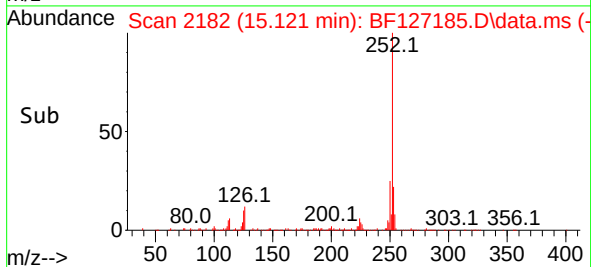
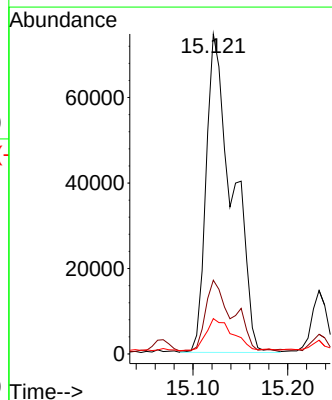
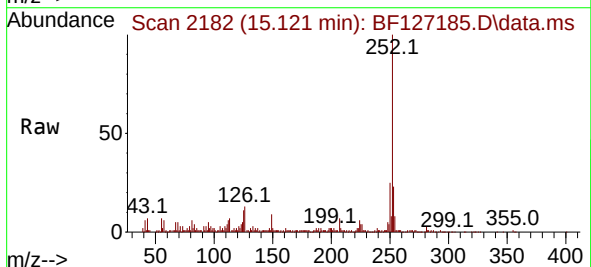
Instrument :
 BNA_F
 ClientSampleId :
 332

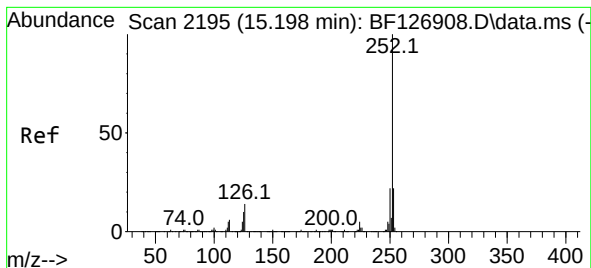
Tgt Ion:276 Resp: 37988
 Ion Ratio Lower Upper
 276 100
 138 19.5 29.2 43.8#
 277 29.2 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 15.913 ng
 RT: 15.121 min Scan# 2182
 Delta R.T. -0.006 min
 Lab File: BF127185.D
 Acq: 03 Mar 2022 21:52

Tgt Ion:252 Resp: 144072
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.8
 125 11.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 16.498 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF127185.D

Acq: 03 Mar 2022 21:52

Instrument :

BNA_F

ClientSampleId :

332

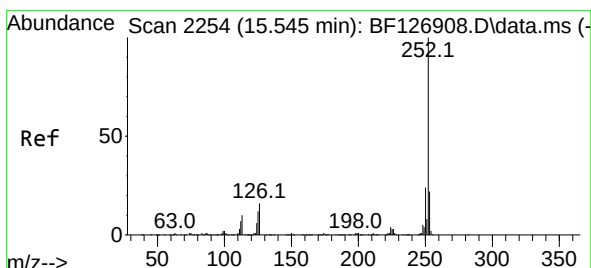
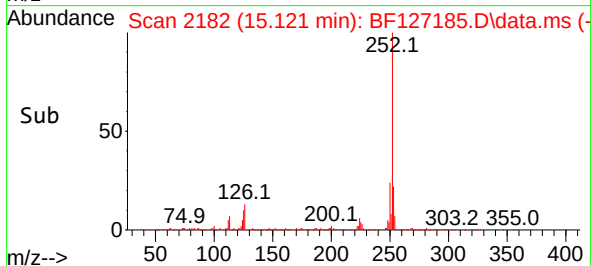
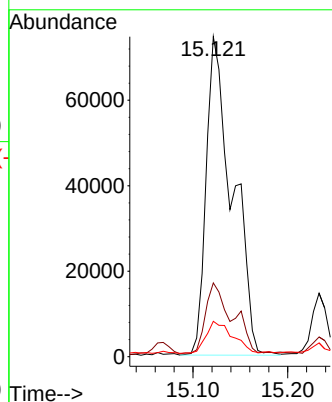
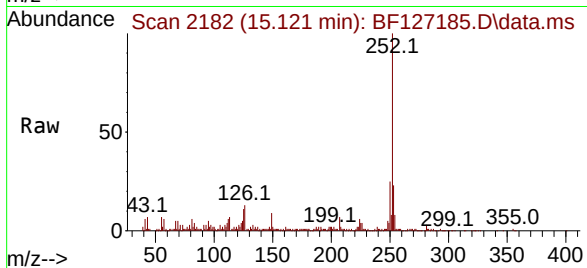
Tgt Ion:252 Resp: 144072

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.1 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 7.109 ng

RT: 15.433 min Scan# 2235

Delta R.T. -0.071 min

Lab File: BF127185.D

Acq: 03 Mar 2022 21:52

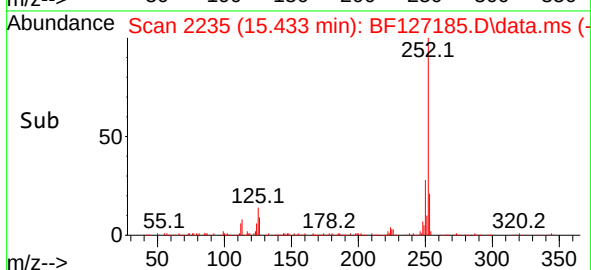
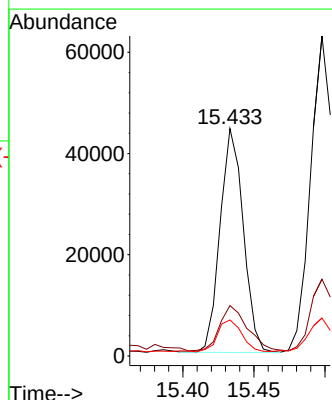
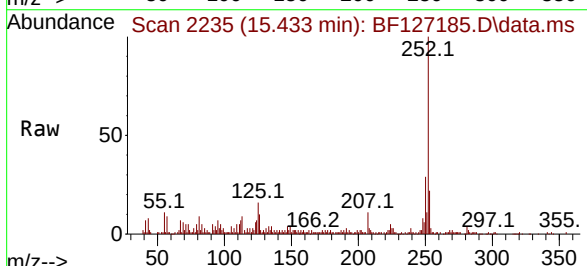
Tgt Ion:252 Resp: 50276

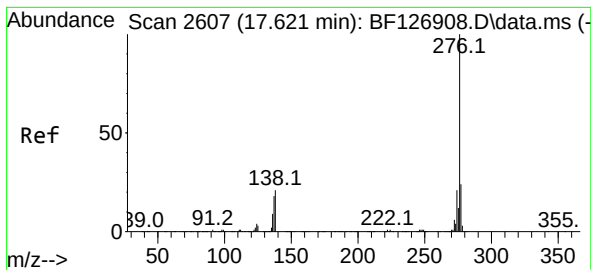
Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 15.9 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 4.667 ng

RT: 17.527 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF127185.D

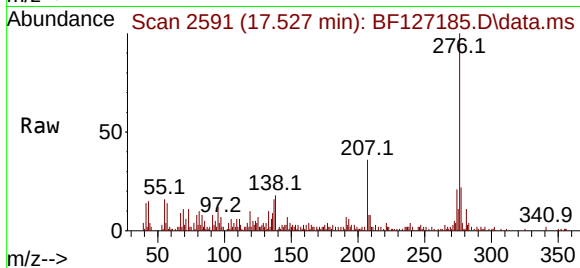
Acq: 03 Mar 2022 21:52

Instrument :

BNA_F

ClientSampleId :

332



Tgt Ion: 276 Resp: 33635

Ion Ratio Lower Upper

276 100

277 22.0 18.5 27.7

138 17.6 25.9 38.9#

