

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129827.D
 Acq On : 17 Aug 2022 00:00
 Operator : CG\JU
 Sample : N4201-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 331

Quant Time: Aug 17 02:41:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

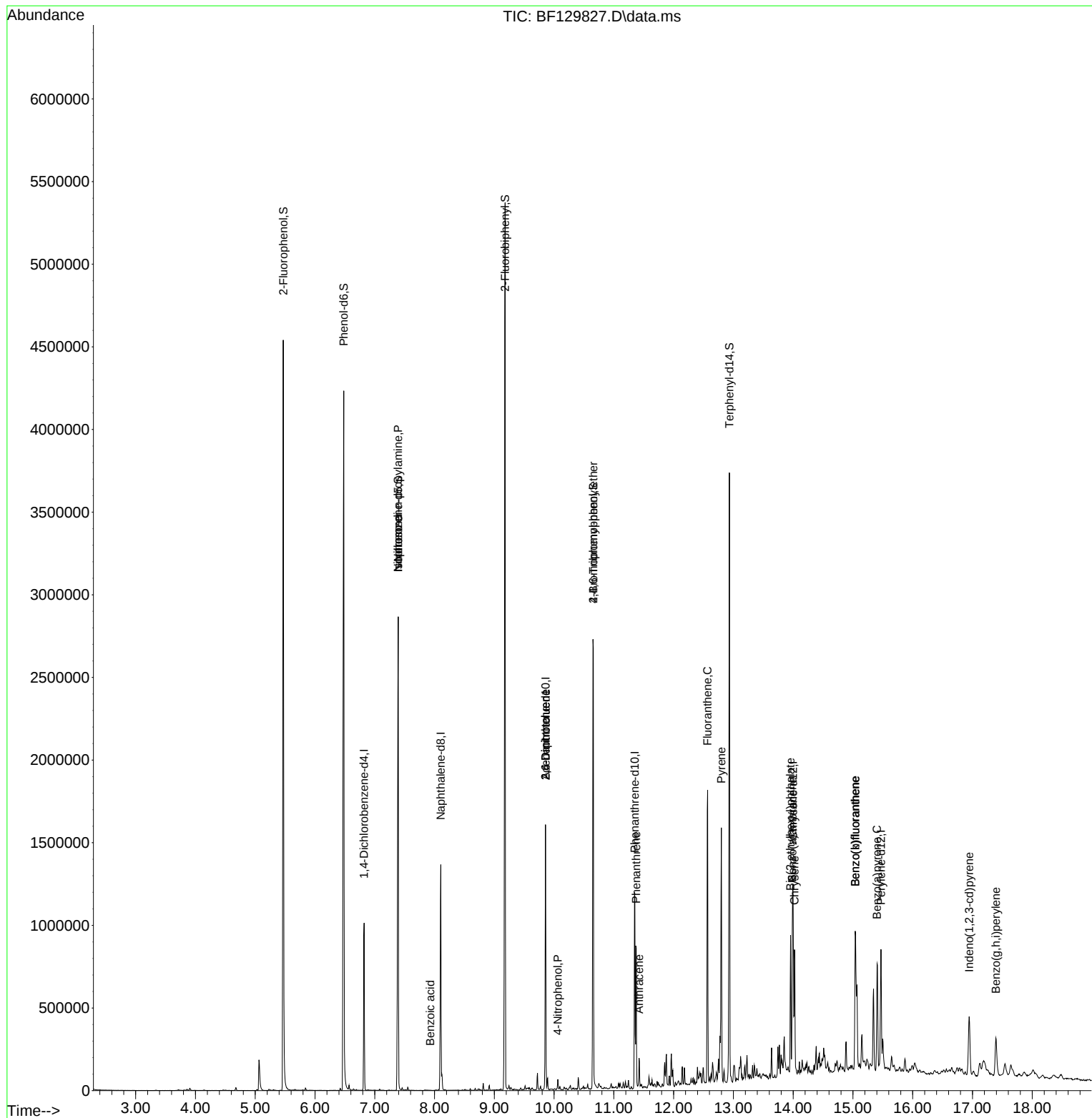
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	157045	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	614373	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	301863	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	434811	20.000	ng	0.00
76) Chrysene-d12	13.998	240	265748	20.000	ng	0.00
86) Perylene-d12	15.468	264	308002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1232962	129.989	ng	0.00
7) Phenol-d6	6.481	99	1517398	127.748	ng	0.00
23) Nitrobenzene-d5	7.392	82	976125	85.052	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	344895	113.840	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1702386	85.654	ng	0.00
79) Terphenyl-d14	12.933	244	1173268	73.462	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	287	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.392	70	130055	17.322	ng	# 76
25) Isophorone	7.392	82	976114	49.415	ng	# 65
32) Benzoic acid	7.928	122	402	2.294	ng	# 26
51) 2,6-Dinitrotoluene	9.857	165	38982	8.304	ng	# 23
56) 4-Nitrophenol	10.063	139	7341	3.179	ng	# 9
57) 2,4-Dinitrotoluene	9.857	165	38982	6.397	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	21778	4.276	ng	# 1
71) Phenanthrene	11.374	178	324956	13.381	ng	99
72) Anthracene	11.422	178	67798	2.807	ng	98
75) Fluoranthene	12.569	202	698901	28.125	ng	100
77) Benzidine	12.933	184	15797	Below Cal	#	90
78) Pyrene	12.798	202	585899	25.371	ng	99
81) Benzo(a)anthracene	13.986	228	308914	16.898	ng	98
83) Chrysene	14.021	228	293833	17.171	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	217524	18.763	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	210764	9.968	ng	95
88) Benzo(b)fluoranthene	15.039	252	621314	29.459	ng	99
89) Benzo(k)fluoranthene	15.039	252	621314	30.718	ng	98
90) Benzo(a)pyrene	15.404	252	315718	19.009	ng	98
92) Benzo(g,h,i)perylene	17.392	276	183638	10.550	ng	96

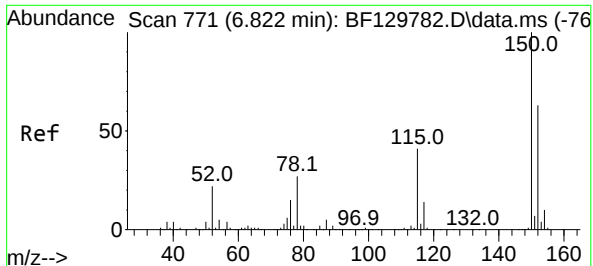
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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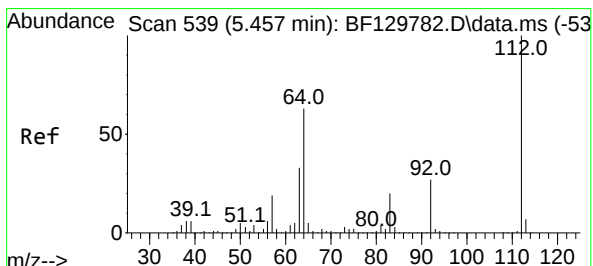
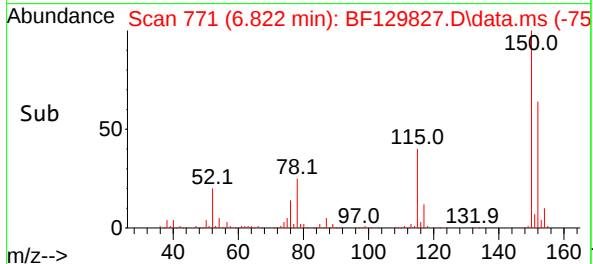
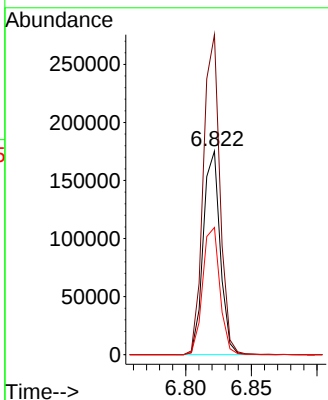
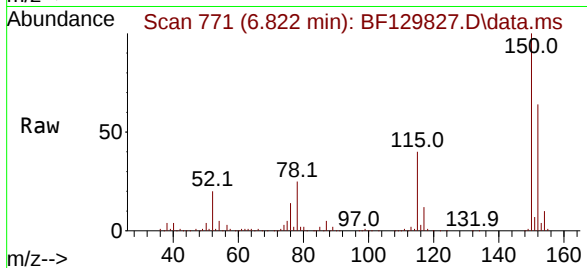




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

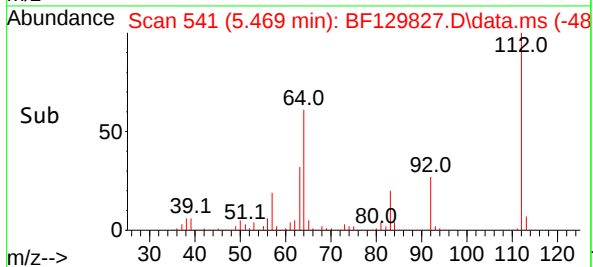
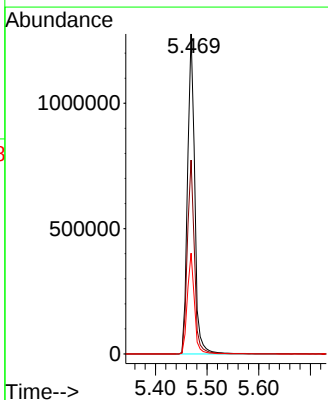
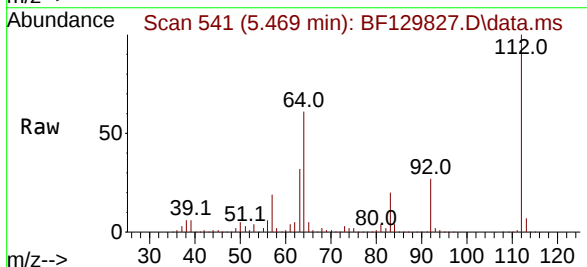
Instrument :
BNA_F
ClientSampleId :
331

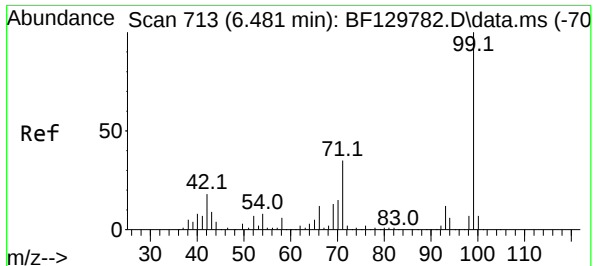
Tgt Ion:152 Resp: 157045
Ion Ratio Lower Upper
152 100
150 157.3 126.9 190.3
115 62.5 53.4 80.0



#5
2-Fluorophenol
Concen: 129.989 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:112 Resp: 1232962
Ion Ratio Lower Upper
112 100
64 60.6 47.6 71.4
63 31.5 24.6 37.0



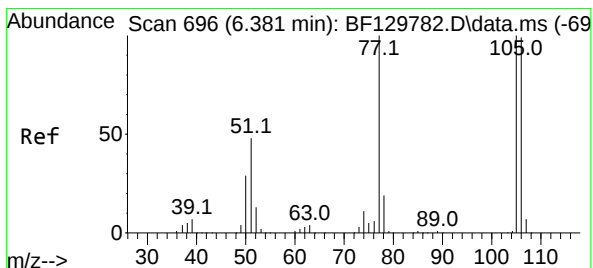
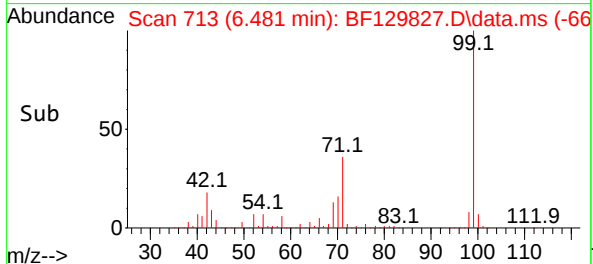
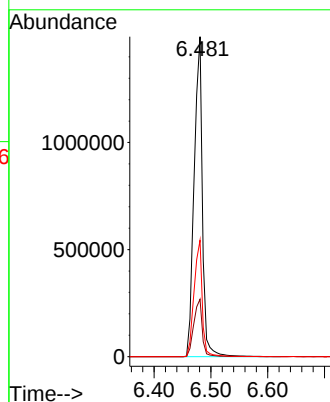
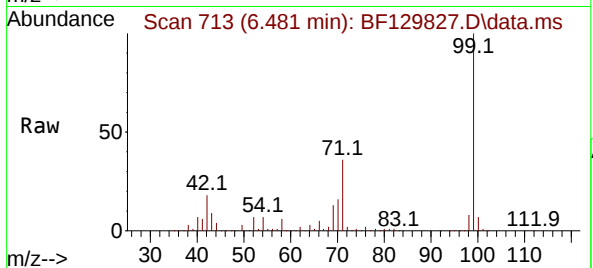


#7
Phenol-d6
Concen: 127.748 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Instrument :
BNA_F
ClientSampleId :
331

Tgt Ion: 99 Resp: 1517398

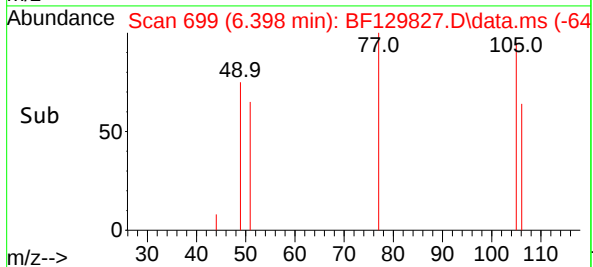
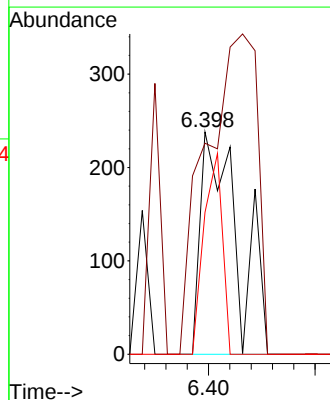
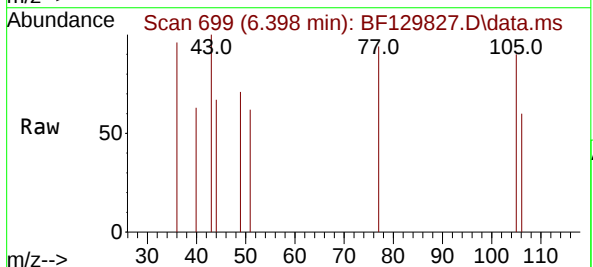
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.4
71	36.4	28.8	43.2

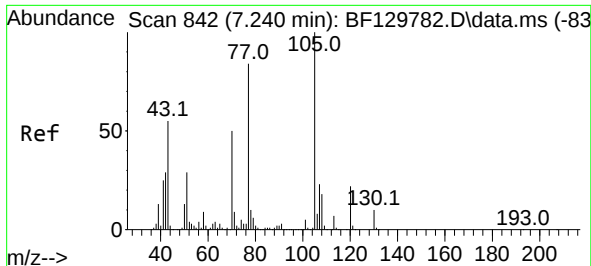


#9
Benzaldehyde
Concen: Below Cal
RT: 6.398 min Scan# 699
Delta R.T. 0.017 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion: 77 Resp: 287

Ion	Ratio	Lower	Upper
77	100		
105	95.0	80.3	120.3
106	63.9	74.3	114.3

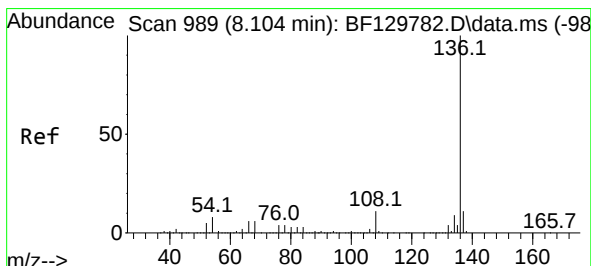
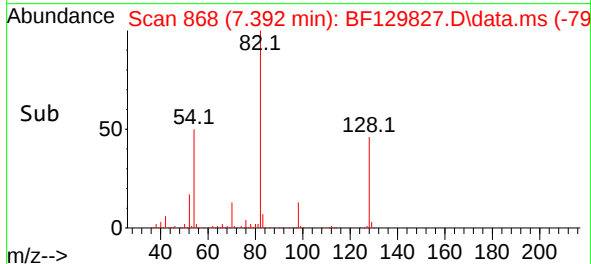
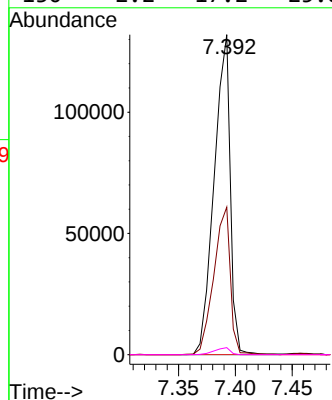
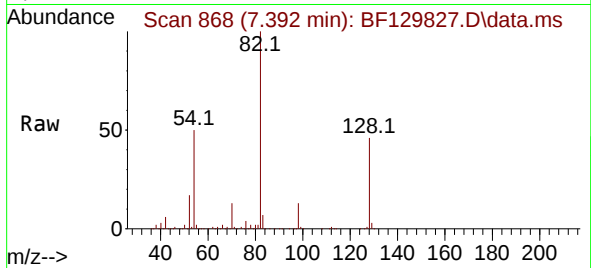




#19
n-Nitroso-di-n-propylamine
Concen: 17.322 ng
RT: 7.392 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

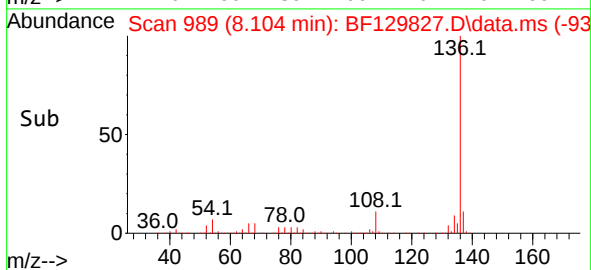
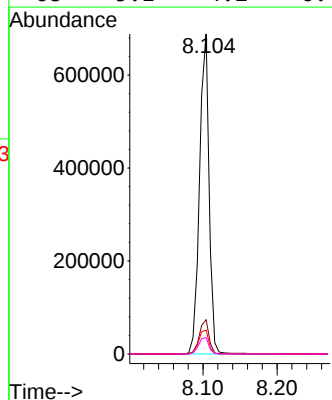
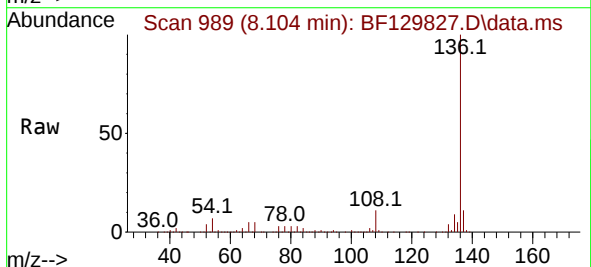
Instrument :
BNA_F
ClientSampleId :
331

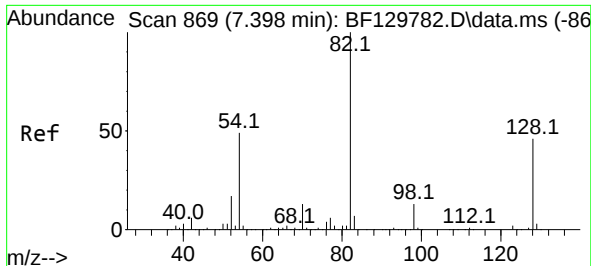
Tgt Ion: 70 Resp: 130055
Ion Ratio Lower Upper
70 100
42 46.1 47.6 71.4#
101 0.0 8.1 12.1#
130 2.2 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion: 136 Resp: 614373
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.4 6.2 9.2
68 5.1 4.2 6.4

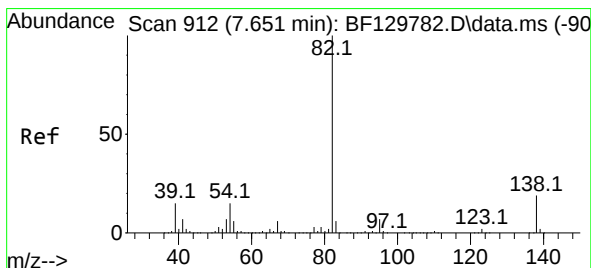
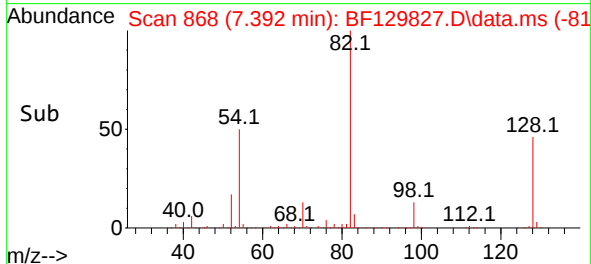
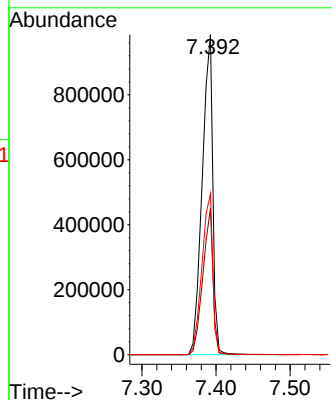
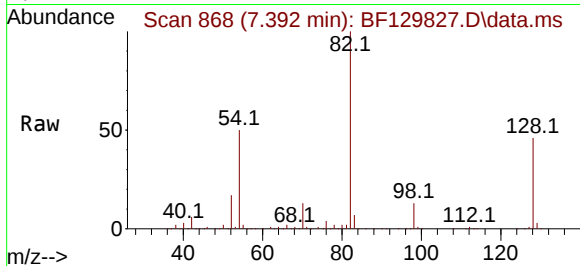




#23
Nitrobenzene-d5
Concen: 85.052 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

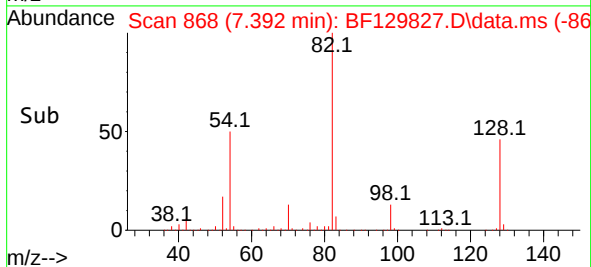
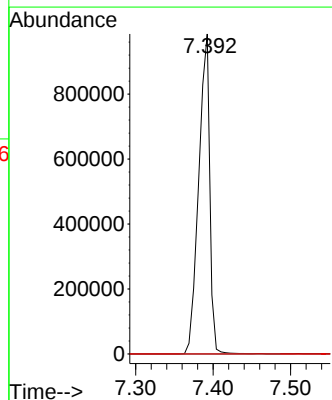
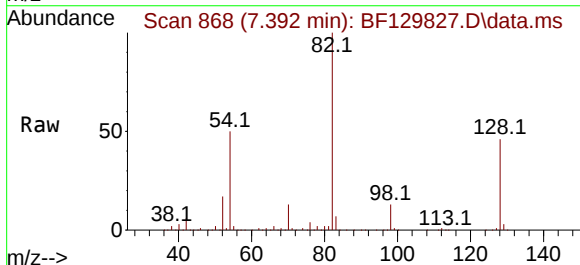
Instrument :
BNA_F
ClientSampleId :
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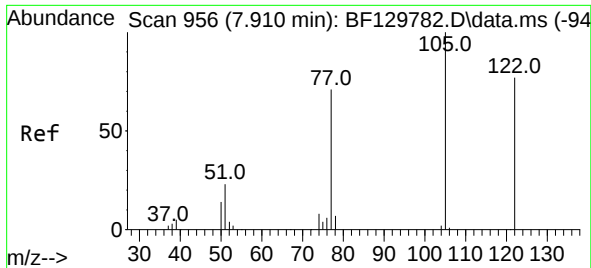
Tgt Ion: 82 Resp: 976125
Ion Ratio Lower Upper
82 100
128 45.7 36.1 54.1
54 50.3 40.0 60.0



#25
Isophorone
Concen: 49.415 ng
RT: 7.392 min Scan# 868
Delta R.T. -0.259 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion: 82 Resp: 976114
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

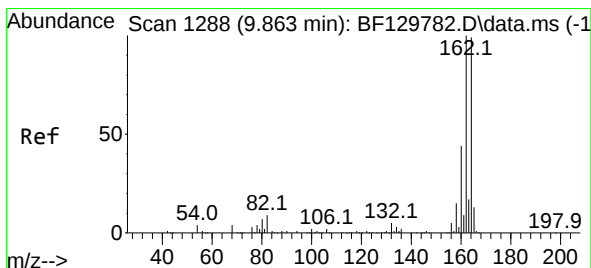
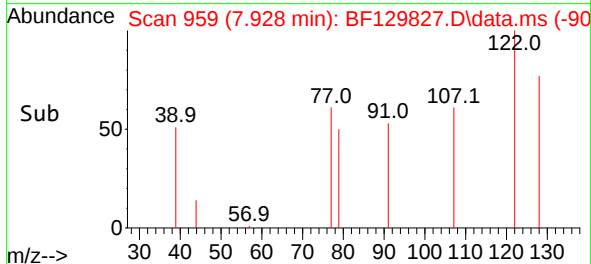
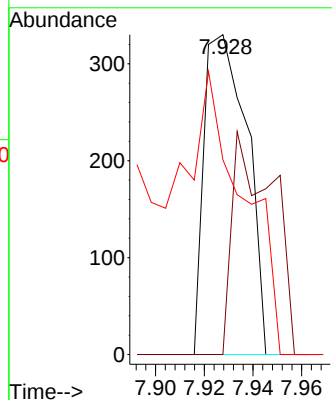
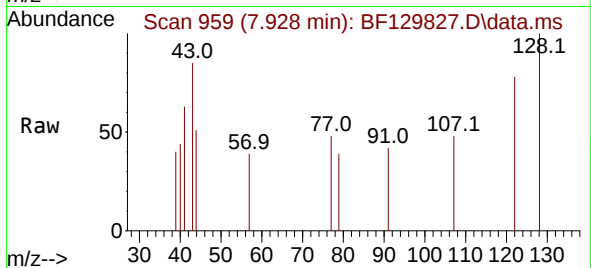




#32
Benzoic acid
Concen: 2.294 ng
RT: 7.928 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

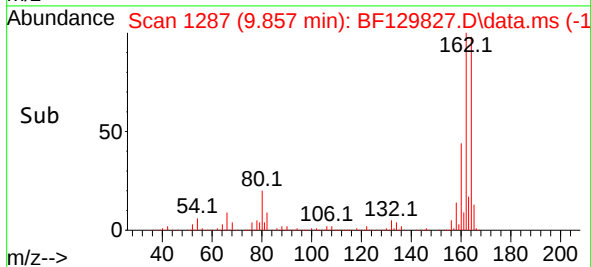
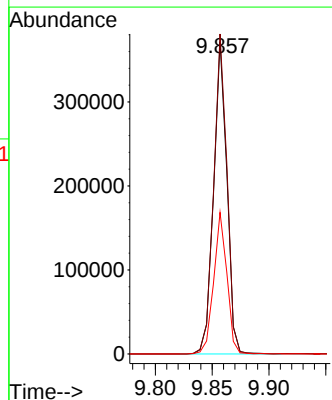
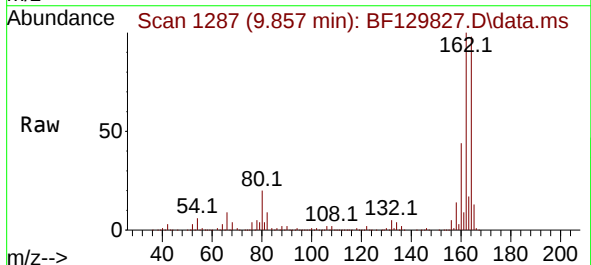
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ClientSampleId :
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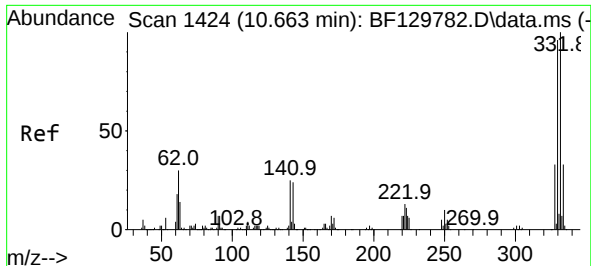
Tgt Ion:122 Resp: 402
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 60.9 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:164 Resp: 301863
Ion Ratio Lower Upper
164 100
162 102.4 82.0 123.0
160 45.3 35.4 53.0

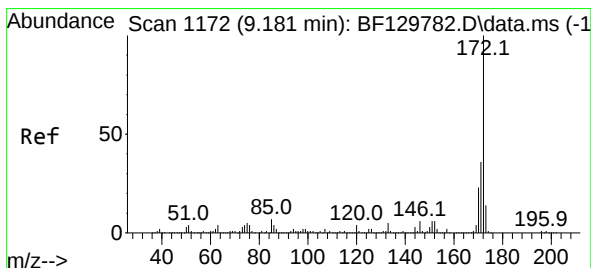
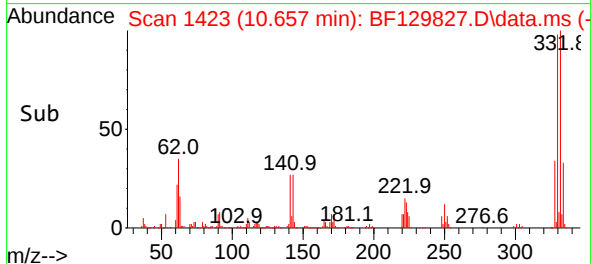
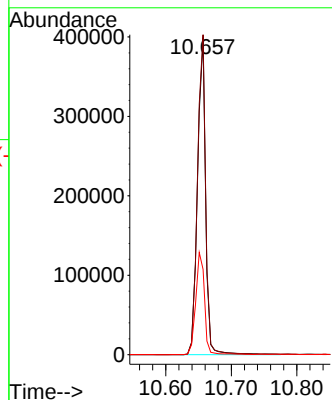
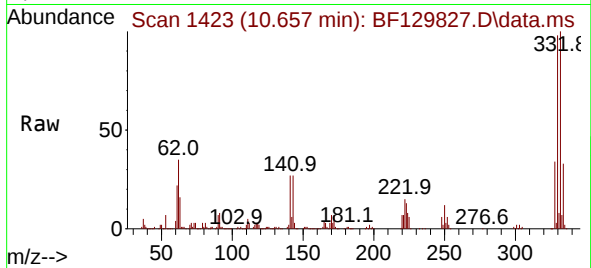




#42
2,4,6-Tribromophenol
Concen: 113.840 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

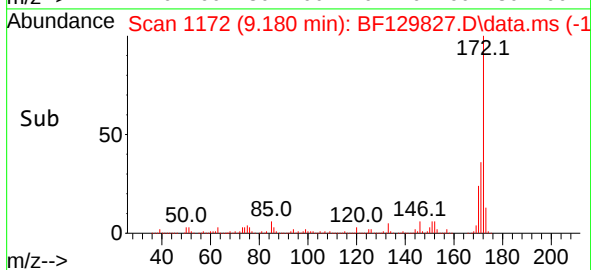
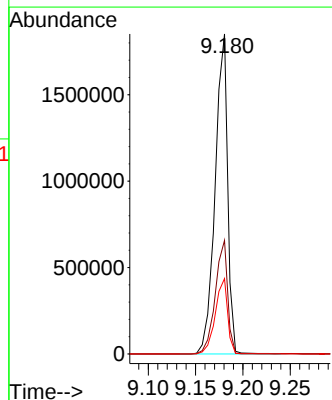
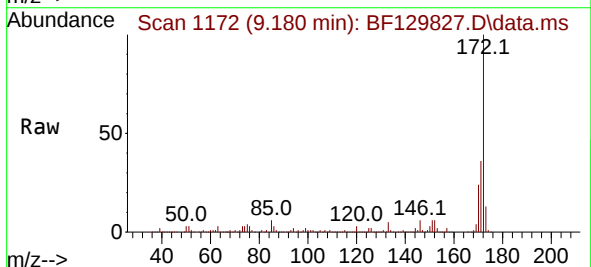
Instrument :
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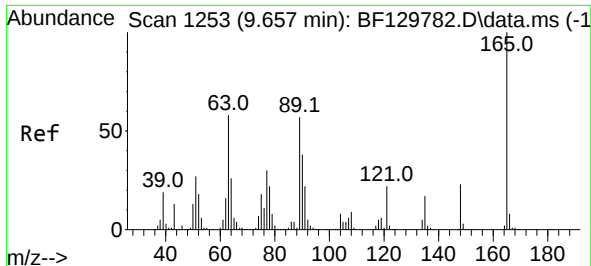
Tgt Ion: 330 Resp: 344895
Ion Ratio Lower Upper
330 100
332 102.3 82.6 124.0
141 35.0 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 85.654 ng
RT: 9.180 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion: 172 Resp: 1702386
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.304 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF129827.D

Acq: 17 Aug 2022 00:00

Instrument :

BNA_F

ClientSampleId :

331

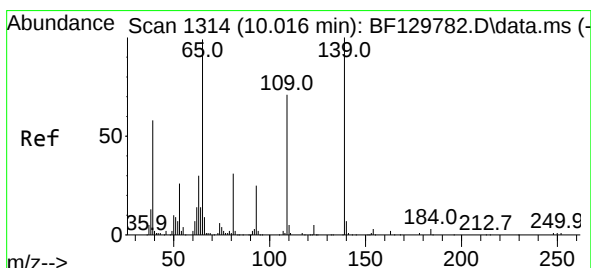
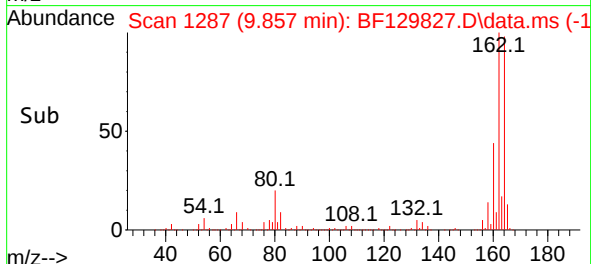
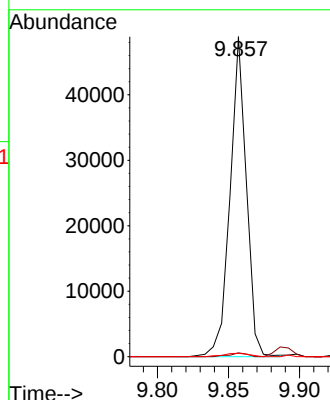
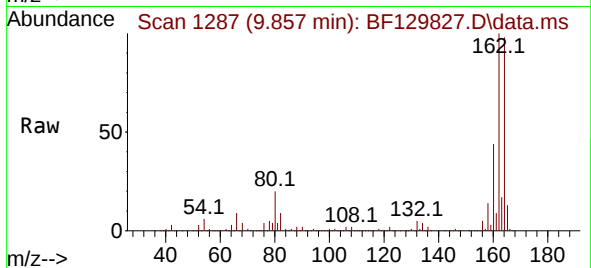
Tgt Ion:165 Resp: 38982

Ion Ratio Lower Upper

165 100

63 1.2 47.8 71.8#

89 1.0 47.2 70.8#



#56

4-Nitrophenol

Concen: 3.179 ng

RT: 10.063 min Scan# 1322

Delta R.T. 0.047 min

Lab File: BF129827.D

Acq: 17 Aug 2022 00:00

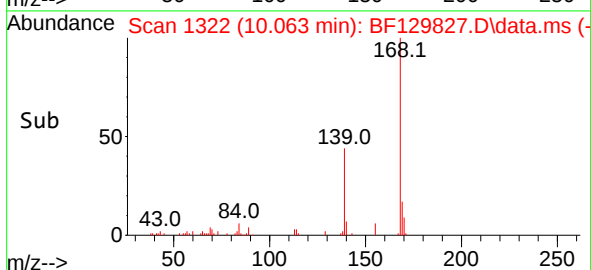
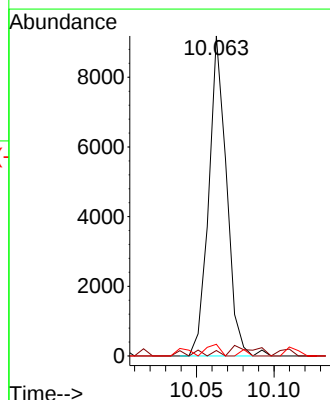
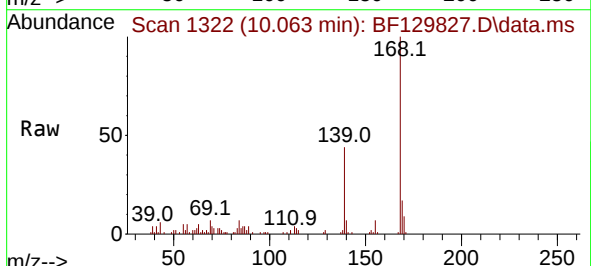
Tgt Ion:139 Resp: 7341

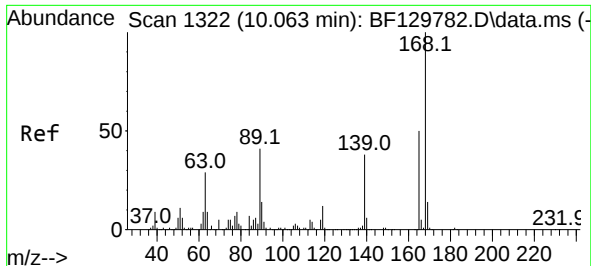
Ion Ratio Lower Upper

139 100

109 1.7 52.9 92.9#

65 3.6 79.5 119.5#

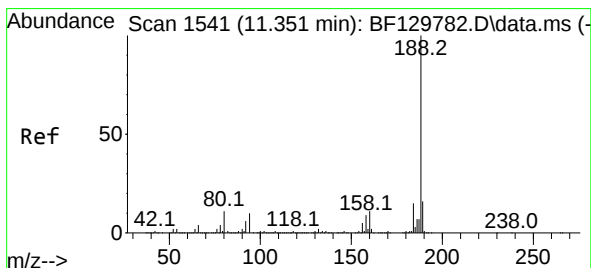
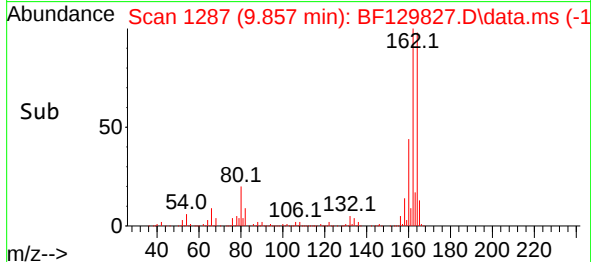
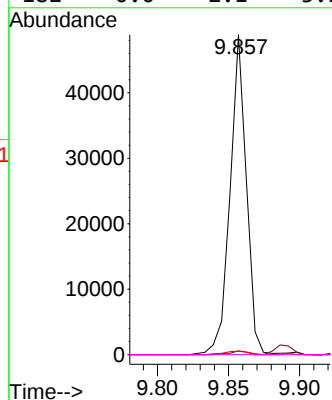
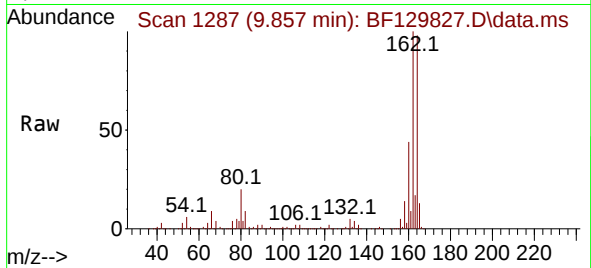




#57
2,4-Dinitrotoluene
Concen: 6.397 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

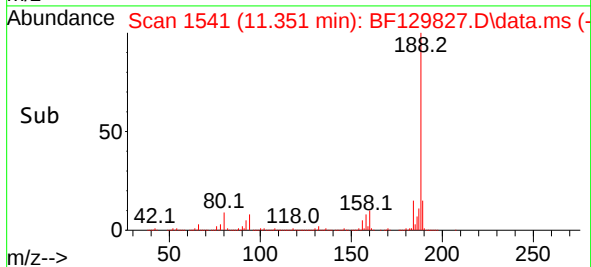
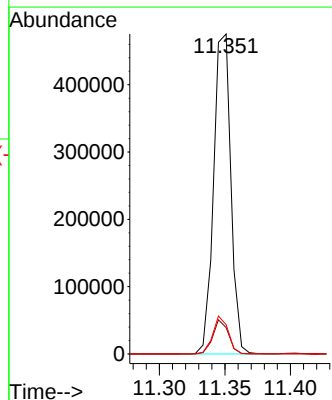
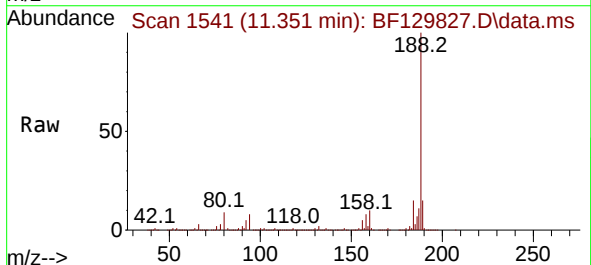
Instrument :
BNA_F
ClientSampleId :
331

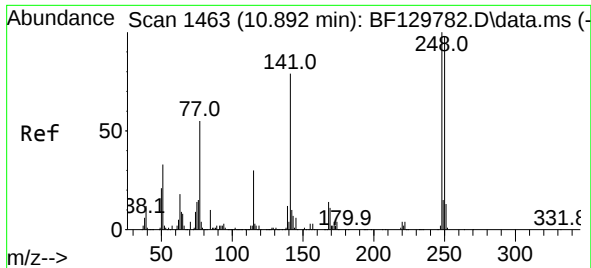
Tgt Ion:165 Resp: 38982
Ion Ratio Lower Upper
165 100
63 1.2 48.4 72.6#
89 1.0 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:188 Resp: 434811
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 9.1 7.9 11.9

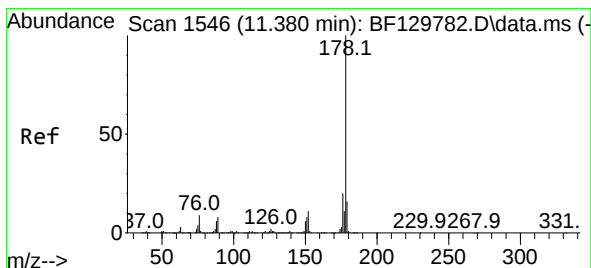
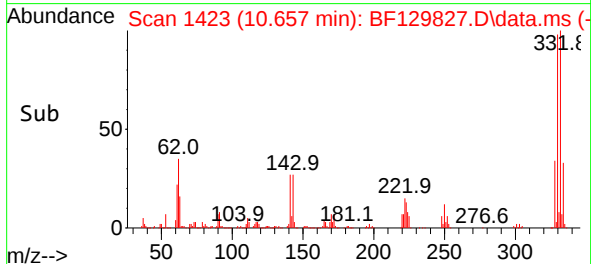
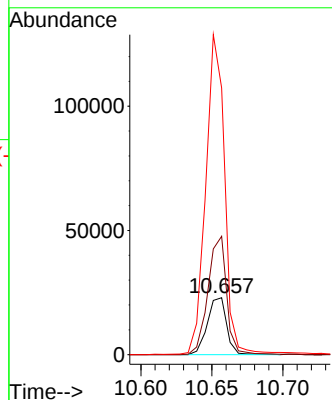
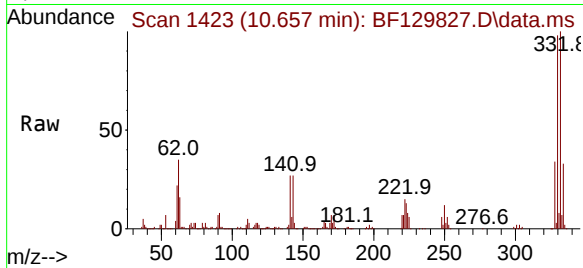




#67
4-Bromophenyl-phenylether
Concen: 4.276 ng
RT: 10.657 min Scan# 1463
Delta R.T. -0.235 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

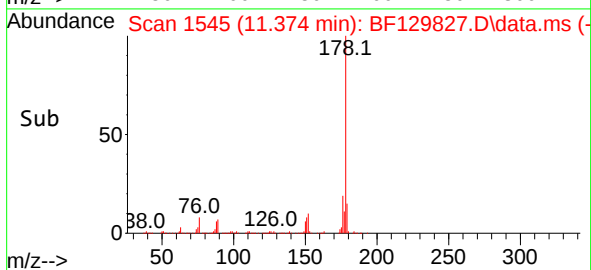
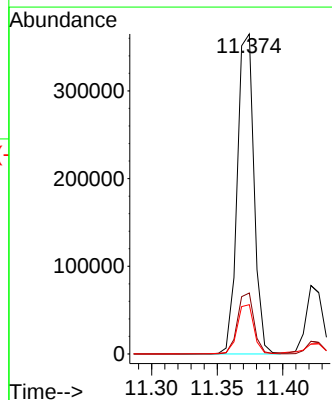
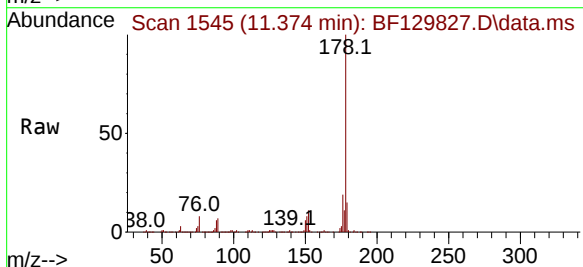
Instrument :
BNA_F
ClientSampleId :
331

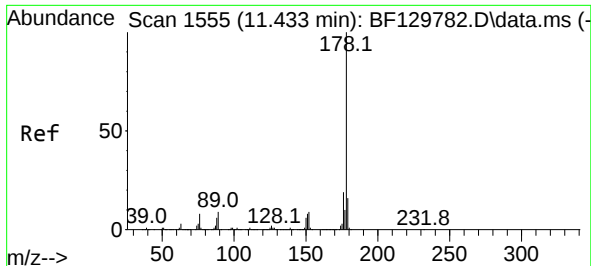
Tgt Ion:248 Resp: 21778
Ion Ratio Lower Upper
248 100
250 207.8 77.8 116.6#
141 468.1 66.2 99.2#



#71
Phenanthrene
Concen: 13.381 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:178 Resp: 324956
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.4 12.5 18.7

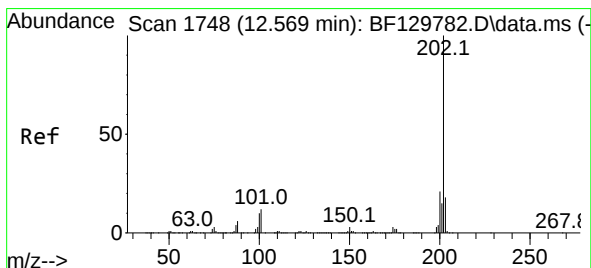
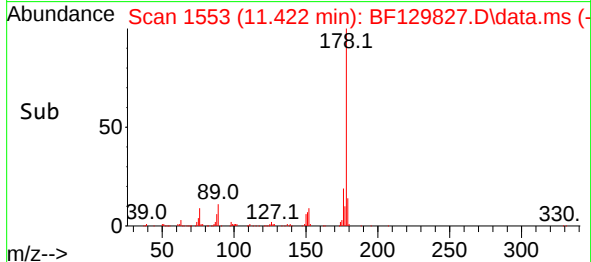
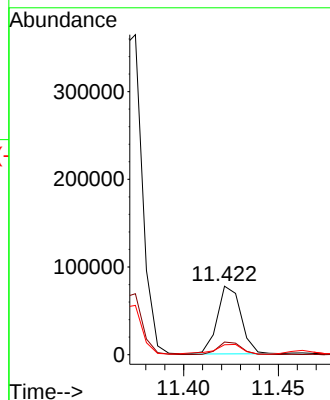
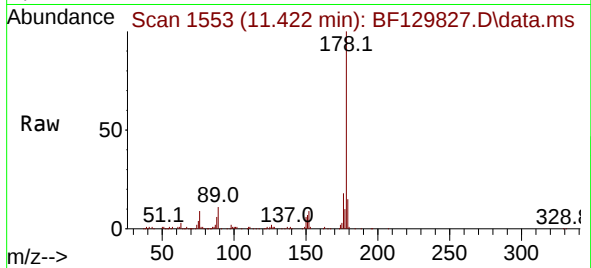




#72
 Anthracene
 Concen: 2.807 ng
 RT: 11.422 min Scan# 1553
 Delta R.T. -0.012 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

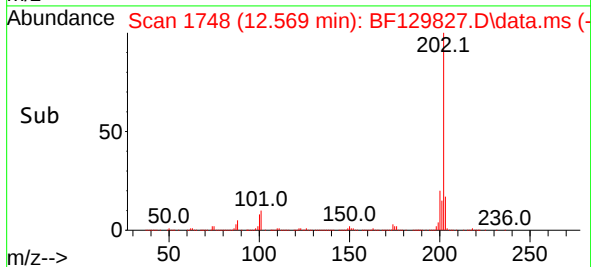
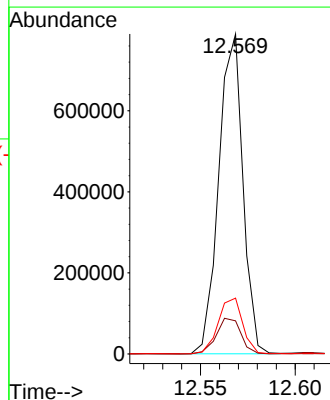
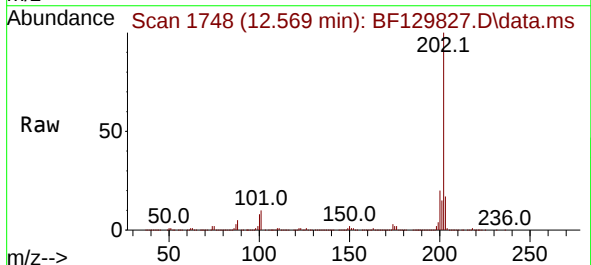
Instrument :
 BNA_F
 ClientSampleId :
 331

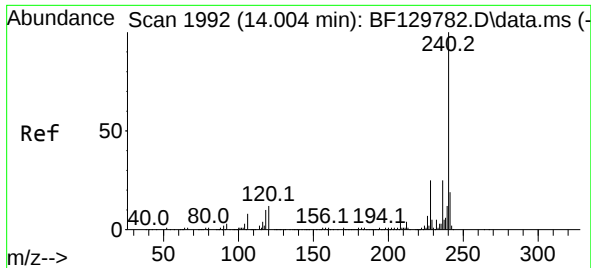
Tgt Ion:178 Resp: 67798
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.1 22.7
 179 14.5 12.6 18.8



#75
 Fluoranthene
 Concen: 28.125 ng
 RT: 12.569 min Scan# 1748
 Delta R.T. -0.006 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

Tgt Ion:202 Resp: 698901
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.7
 203 17.5 0.0 37.5

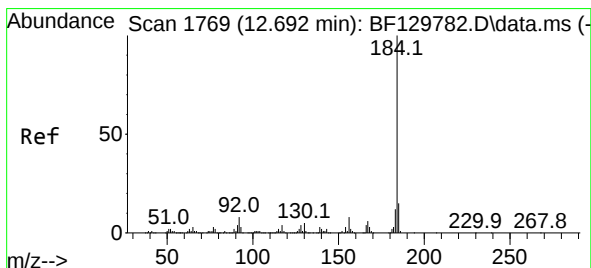
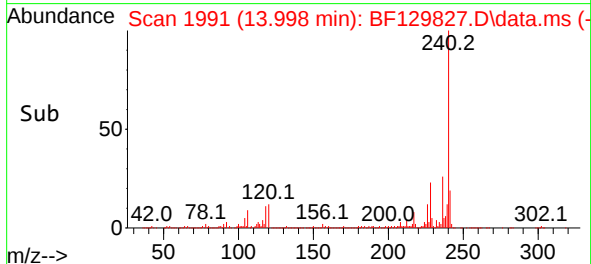
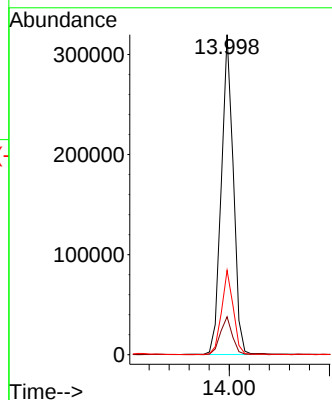
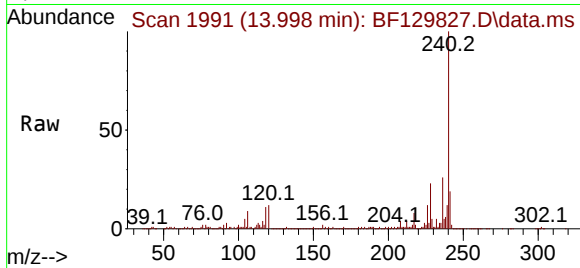




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

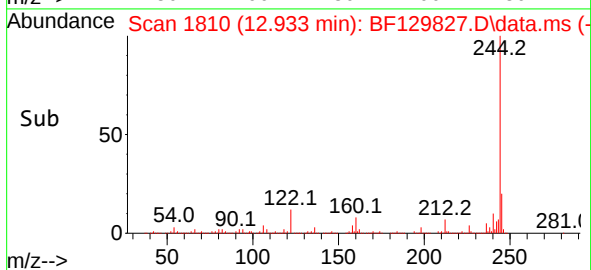
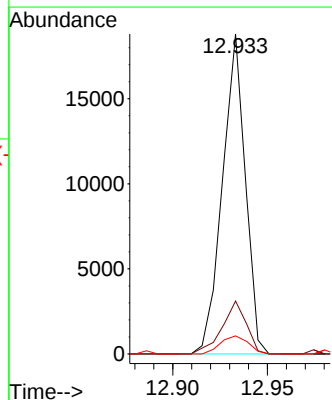
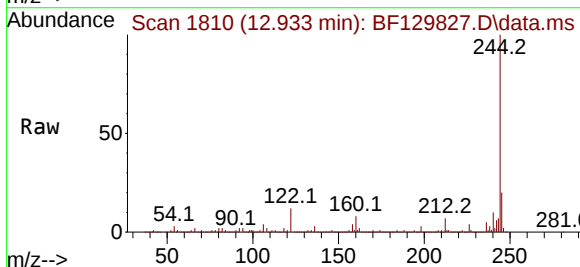
Instrument :
BNA_F
ClientSampleId :
331

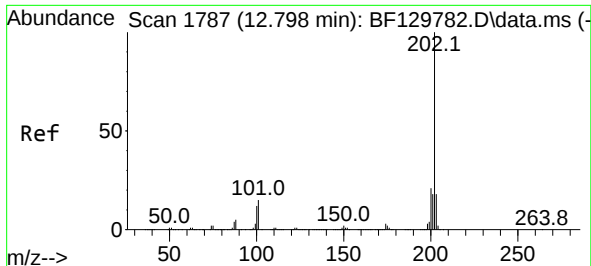
Tgt Ion:240 Resp: 265748
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 26.3 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:184 Resp: 15797
Ion Ratio Lower Upper
184 100
185 16.6 11.4 17.2
183 5.7 9.4 14.2#

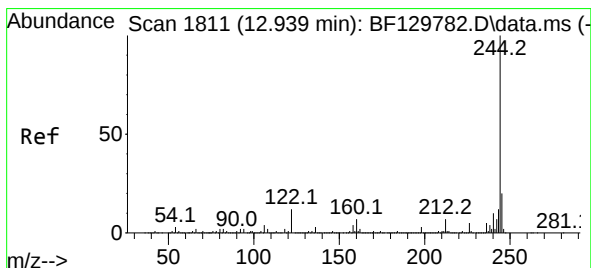
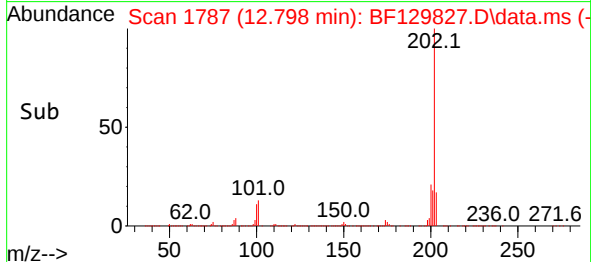
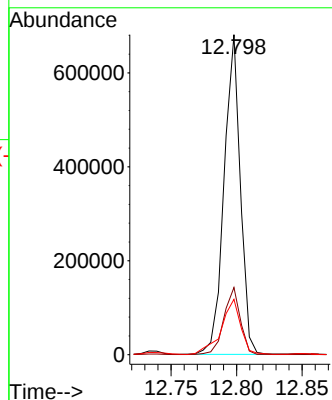
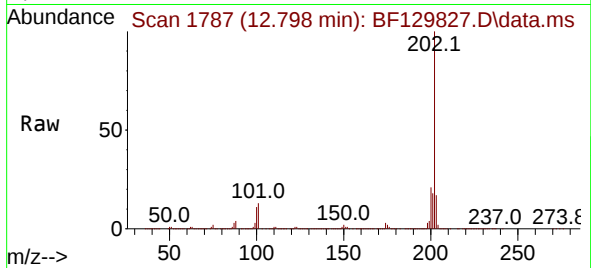




#78
Pyrene
Concen: 25.371 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

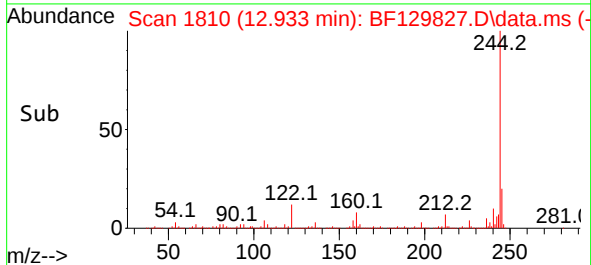
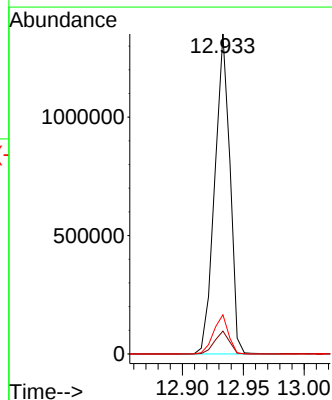
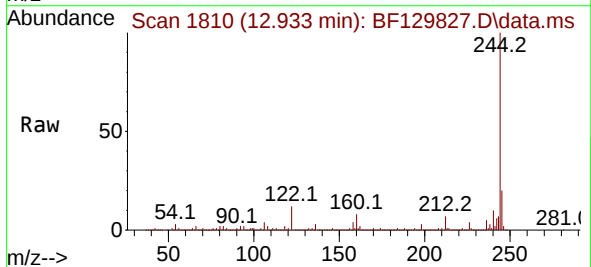
Instrument :
BNA_F
ClientSampleId :
331

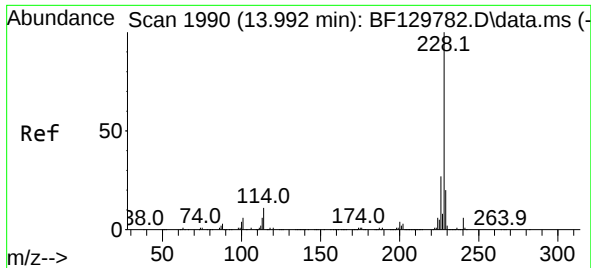
Tgt Ion:202 Resp: 585899
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.3 14.1 21.1



#79
Terphenyl-d14
Concen: 73.462 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:244 Resp: 1173268
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 12.3 9.9 14.9

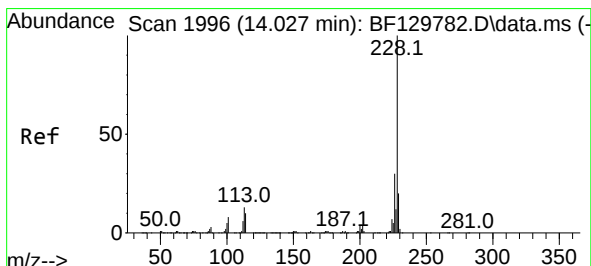
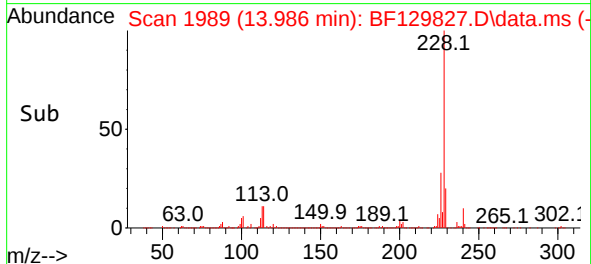
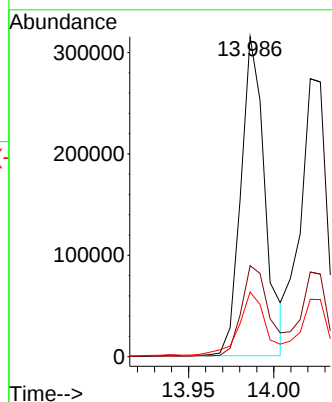
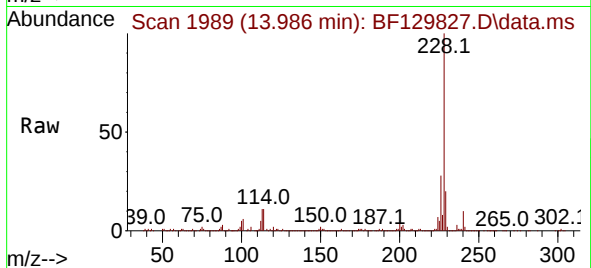




#81
Benzo(a)anthracene
Concen: 16.898 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

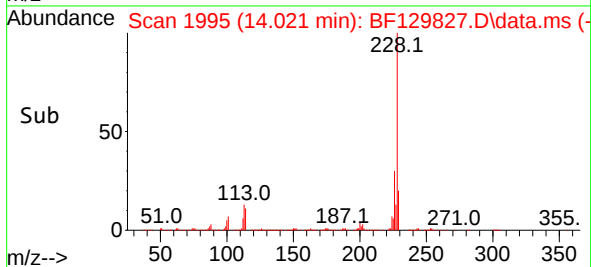
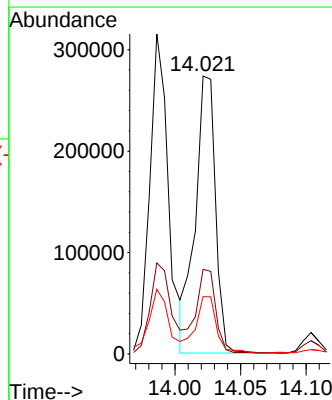
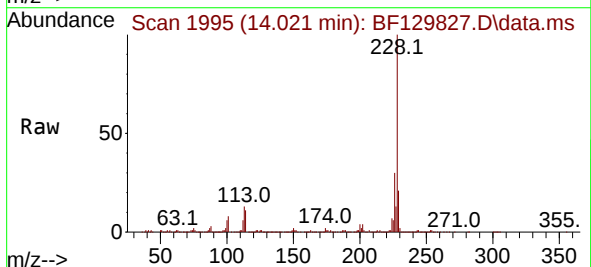
Instrument :
BNA_F
ClientSampleId :
331

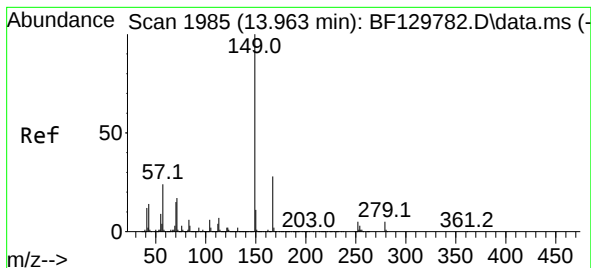
Tgt Ion:228 Resp: 308914
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.0
229 20.2 16.1 24.1



#83
Chrysene
Concen: 17.171 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF129827.D
Acq: 17 Aug 2022 00:00

Tgt Ion:228 Resp: 293833
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 20.6 15.9 23.9

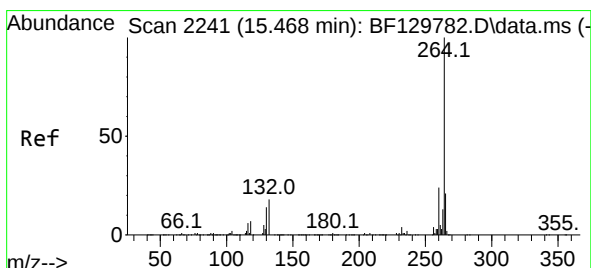
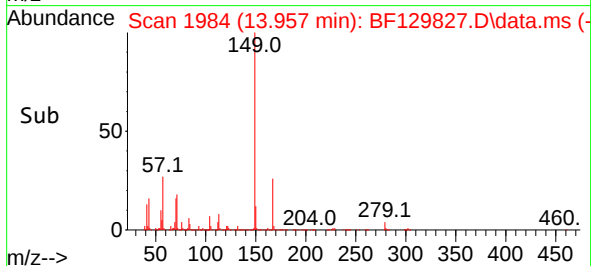
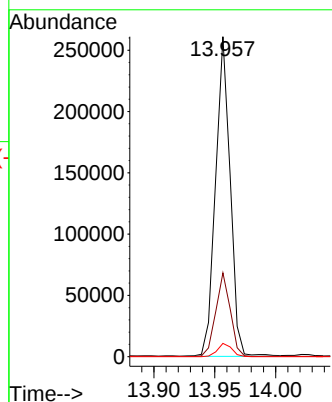
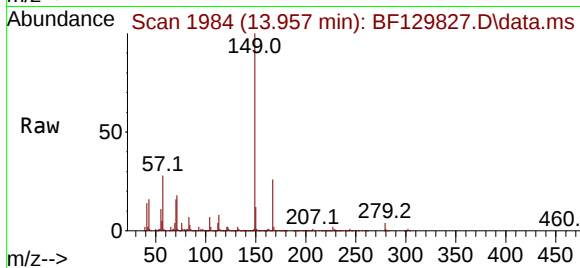




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 18.763 ng
 RT: 13.957 min Scan# 1984
 Delta R.T. -0.006 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

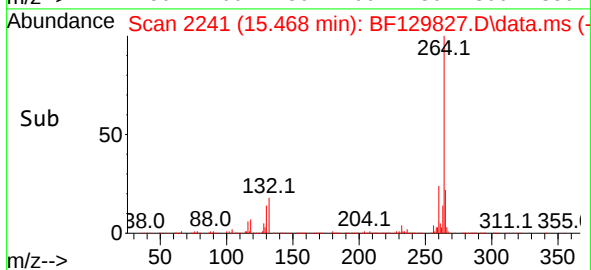
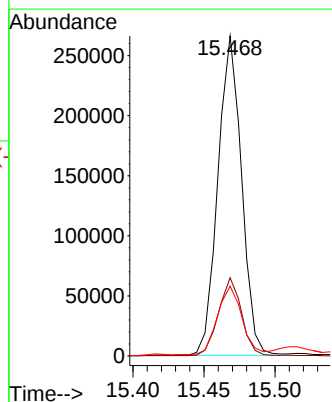
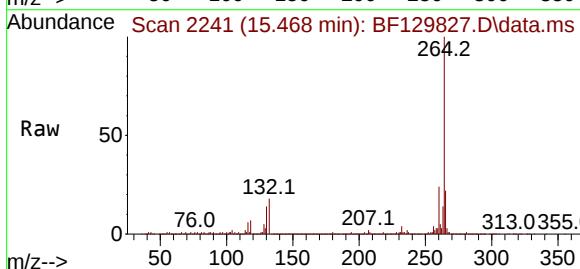
Instrument :
 BNA_F
 ClientSampleId :
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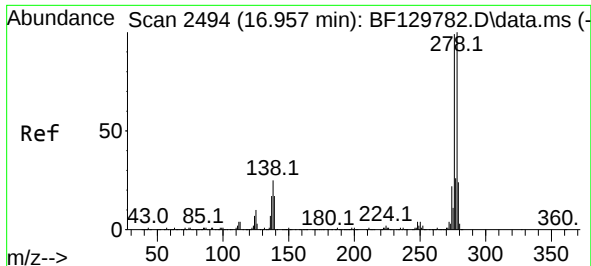
Tgt Ion:149 Resp: 217524
 Ion Ratio Lower Upper
 149 100
 167 26.2 22.0 33.0
 279 4.1 3.6 5.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2241
 Delta R.T. -0.000 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

Tgt Ion:264 Resp: 308002
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.1 28.7
 265 21.8 16.7 25.1

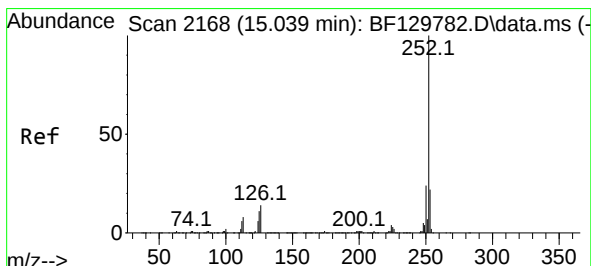
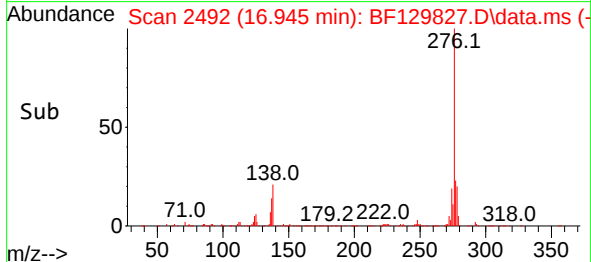
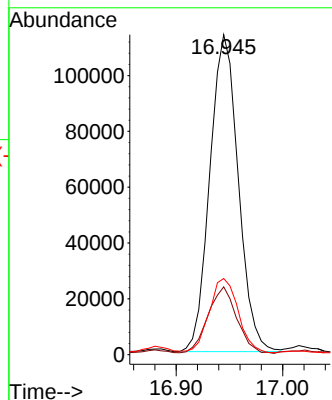
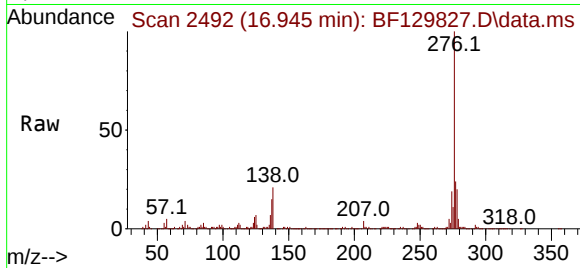




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.968 ng
 RT: 16.945 min Scan# 2494
 Delta R.T. -0.012 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

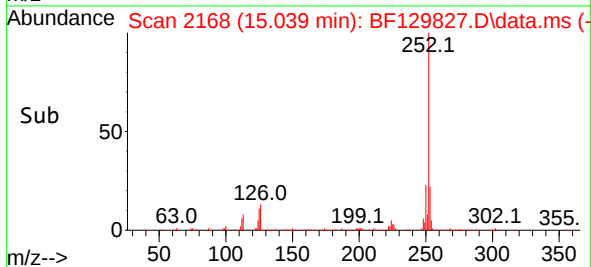
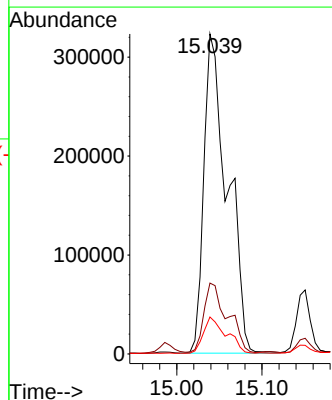
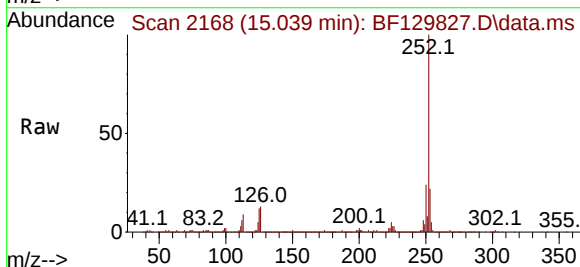
Instrument :
 BNA_F
 ClientSampleId :
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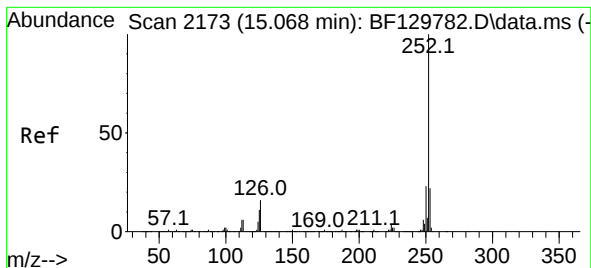
Tgt Ion:276 Resp: 210764
 Ion Ratio Lower Upper
 276 100
 138 21.2 19.8 29.8
 277 23.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 29.459 ng
 RT: 15.039 min Scan# 2168
 Delta R.T. -0.000 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

Tgt Ion:252 Resp: 621314
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 11.6 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 30.718 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF129827.D

Acq: 17 Aug 2022 00:00

Instrument :

BNA_F

ClientSampleId :

331

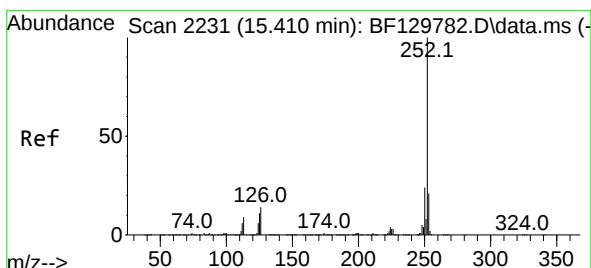
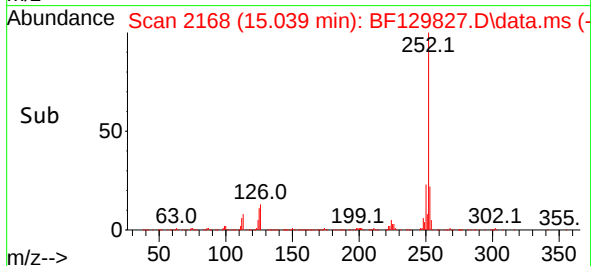
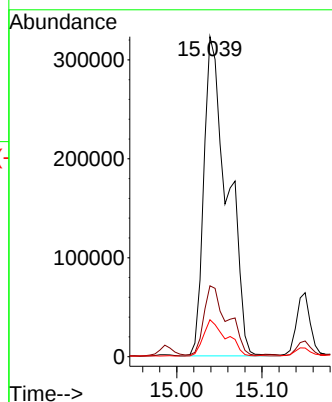
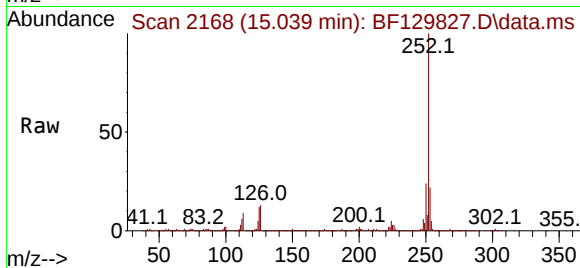
Tgt Ion:252 Resp: 621314

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 11.6 8.3 12.5



#90

Benzo(a)pyrene

Concen: 19.009 ng

RT: 15.404 min Scan# 2230

Delta R.T. -0.006 min

Lab File: BF129827.D

Acq: 17 Aug 2022 00:00

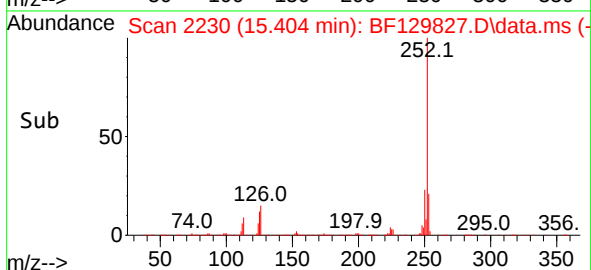
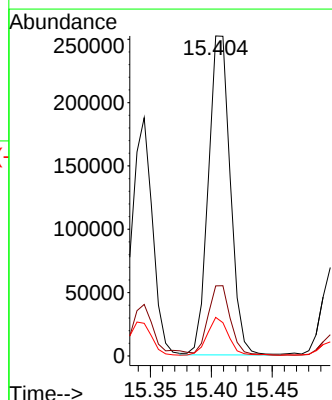
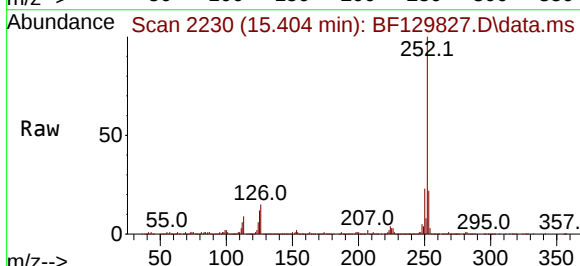
Tgt Ion:252 Resp: 315718

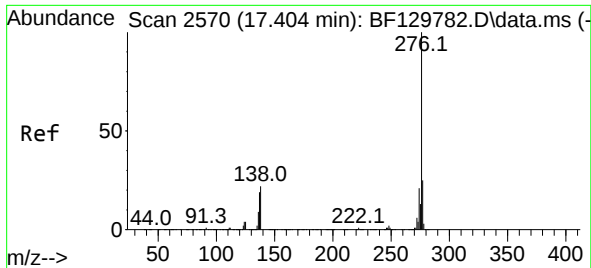
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

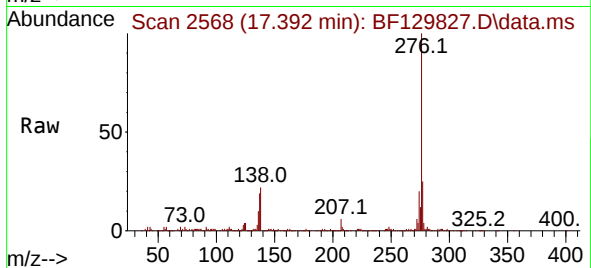
125 12.1 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 10.550 ng
 RT: 17.392 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF129827.D
 Acq: 17 Aug 2022 00:00

Instrument :
 BNA_F
 ClientSampleId :
 331



Tgt Ion:276 Resp: 183638
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.2 27.4
 138 21.7 15.8 23.8

