

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042822\
 Data File : BF127988.D
 Acq On : 28 Apr 2022 18:39
 Operator : CG\JU
 Sample : N2564-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718DL

Quant Time: Apr 29 04:39:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

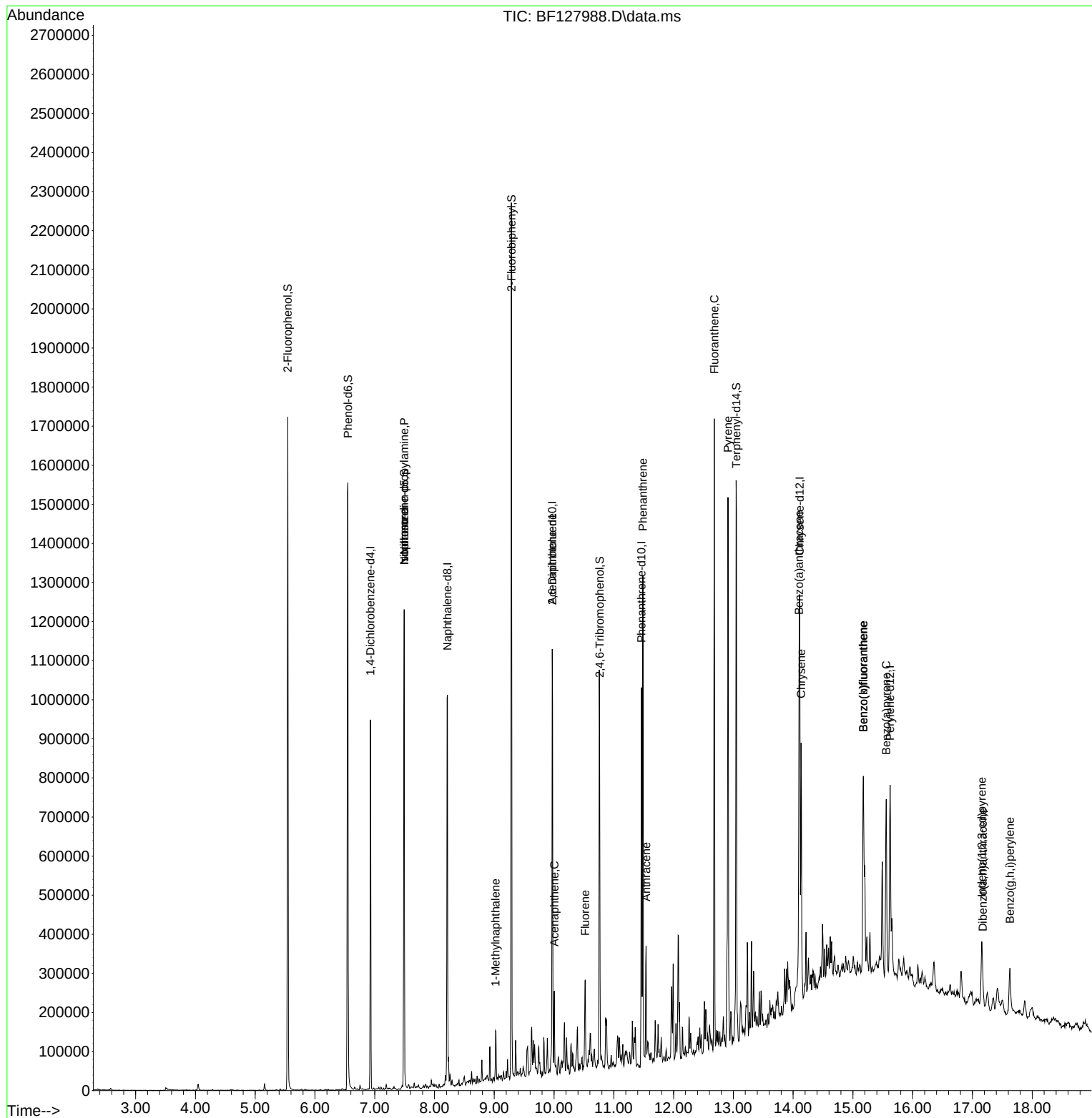
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	121627	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	449680	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	227200	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	340754	20.000	ng	0.00
76) Chrysene-d12	14.110	240	253721	20.000	ng	0.00
86) Perylene-d12	15.621	264	215769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	414168	54.238	ng	0.00
7) Phenol-d6	6.551	99	535636	54.059	ng	-0.01
23) Nitrobenzene-d5	7.493	82	369786	38.669	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	114899	50.237	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	610776	45.479	ng	0.00
79) Terphenyl-d14	13.051	244	499876	36.026	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.493	70	49603	8.178	ng	# 80
25) Isophorone	7.493	82	365163	22.688	ng	# 68
38) 1-Methylnaphthalene	9.022	142	32565	2.213	ng	97
51) 2,6-Dinitrotoluene	9.969	165	31501	9.549	ng	# 22
52) Acenaphthene	10.004	154	36719	2.787	ng	98
58) Fluorene	10.522	166	64928	4.577	ng	95
71) Phenanthrene	11.486	178	407853	22.866	ng	99
72) Anthracene	11.539	178	115382	6.494	ng	98
75) Fluoranthene	12.680	202	594870	31.688	ng	98
78) Pyrene	12.910	202	545305	26.624	ng	99
81) Benzo(a)anthracene	14.098	228	295271	17.460	ng	97
83) Chrysene	14.133	228	252301	15.621	ng	98
87) Indeno(1,2,3-cd)pyrene	17.157	276	113323	7.868	ng	96
88) Benzo(b)fluoranthene	15.174	252	405756	29.940	ng	96
89) Benzo(k)fluoranthene	15.174	252	405756	29.718	ng	# 95
90) Benzo(a)pyrene	15.557	252	219607	19.536	ng	98
91) Dibenzo(a,h)anthracene	17.174	278	28195	2.441	ng	# 90
92) Benzo(g,h,i)perylene	17.627	276	109161	8.968	ng	99

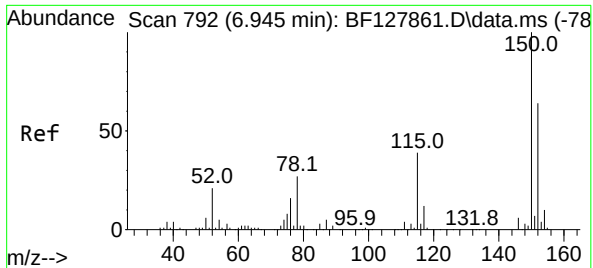
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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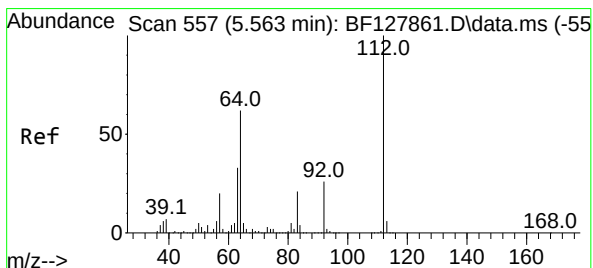
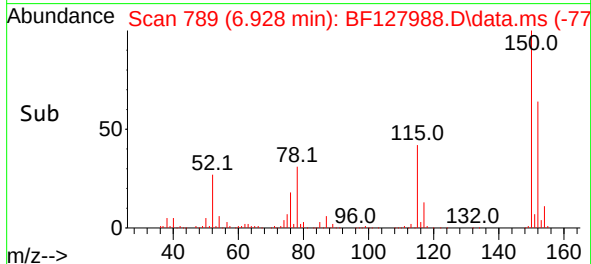
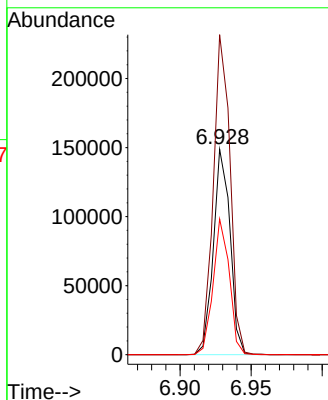
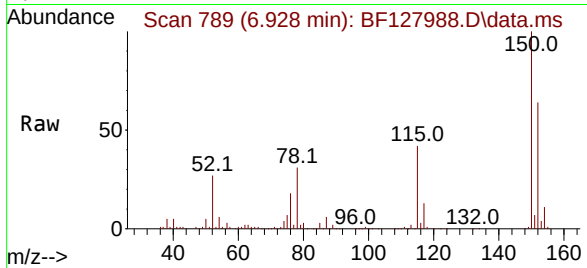




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

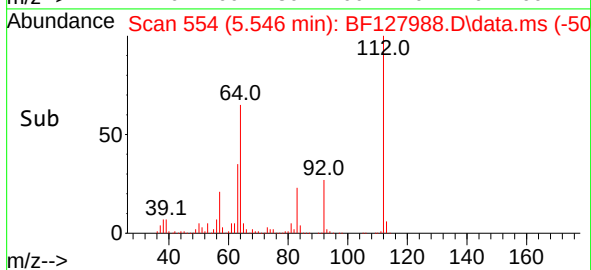
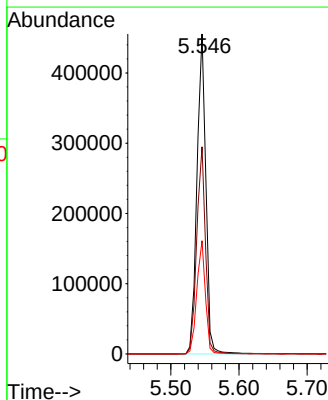
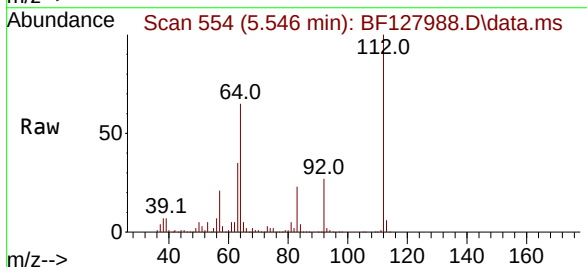
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

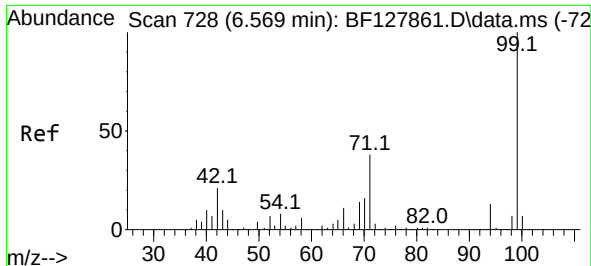
Tgt Ion:152 Resp: 121627
Ion Ratio Lower Upper
152 100
150 155.7 125.3 187.9
115 66.1 48.8 73.2



#5
2-Fluorophenol
Concen: 54.238 ng
RT: 5.546 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:112 Resp: 414168
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 35.4 26.3 39.5

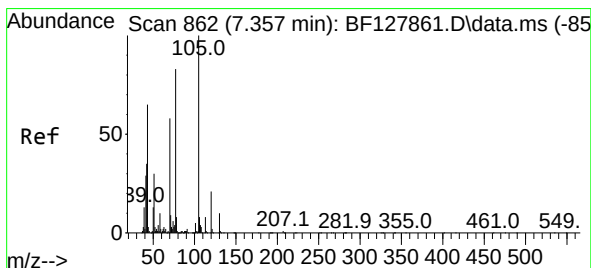
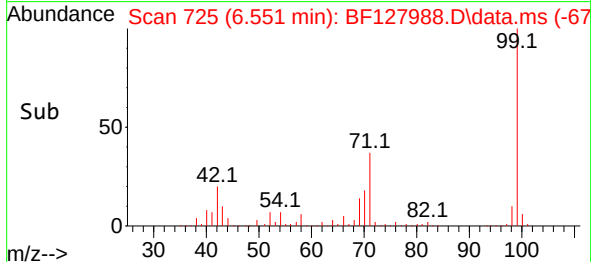
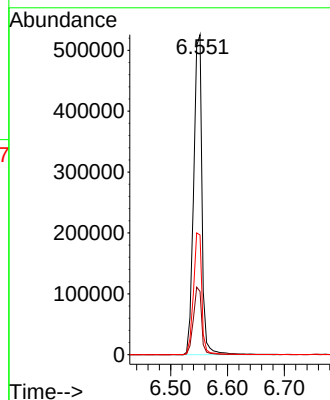
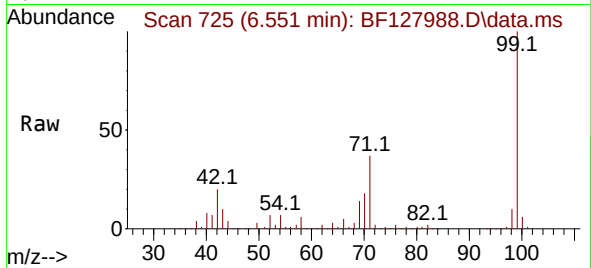




#7
Phenol-d6
Concen: 54.059 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

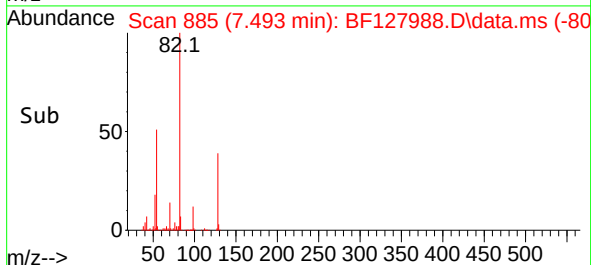
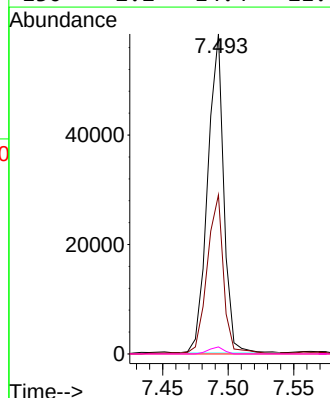
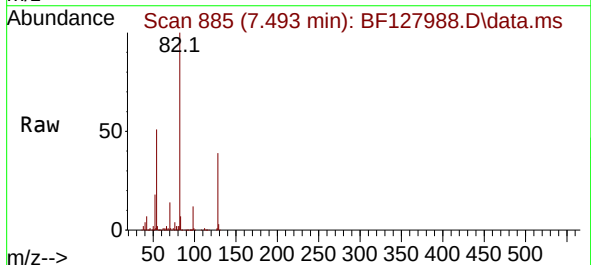
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

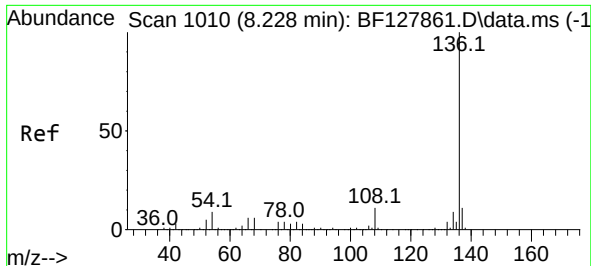
Tgt Ion: 99 Resp: 535636
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 37.4 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.178 ng
RT: 7.493 min Scan# 885
Delta R.T. 0.147 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion: 70 Resp: 49603
Ion Ratio Lower Upper
70 100
42 49.7 48.7 73.1
101 0.0 7.2 10.8#
130 2.2 14.4 21.6#



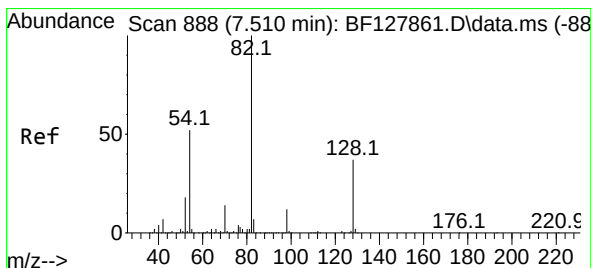
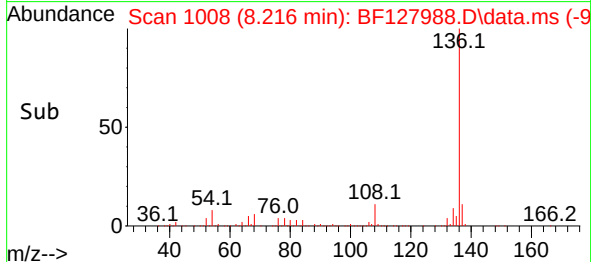
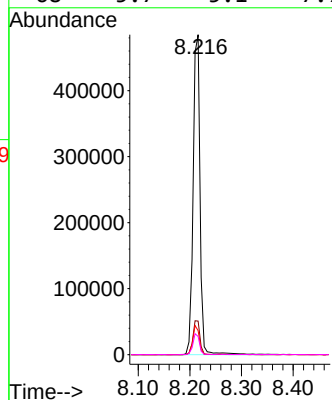
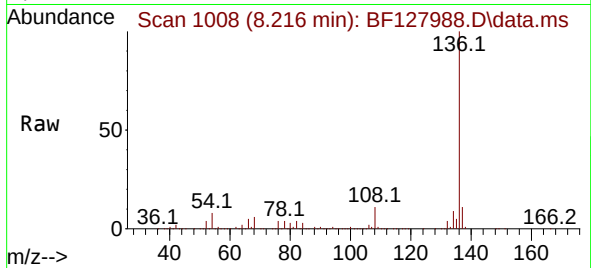


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

Tgt Ion:136 Resp: 449680

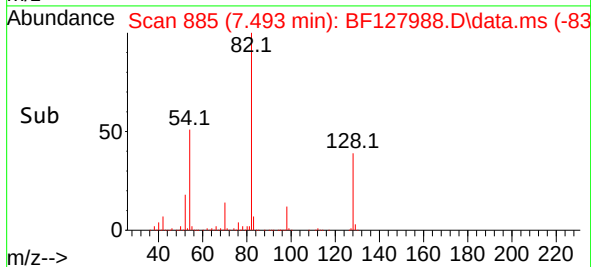
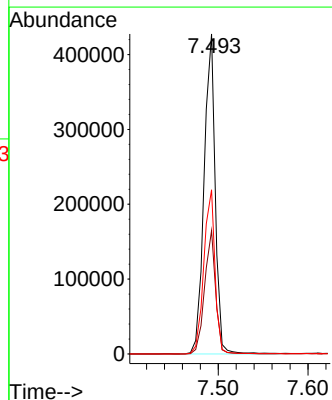
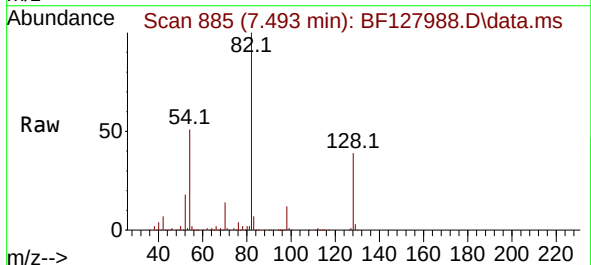
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	7.5	6.8	10.2
68	5.7	5.1	7.7

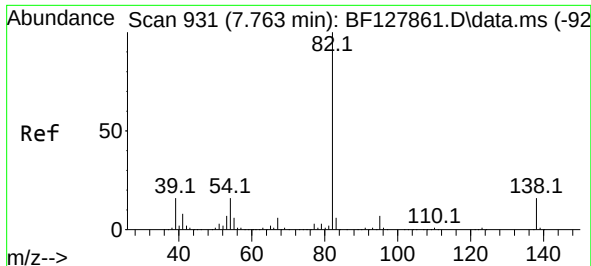


#23
Nitrobenzene-d5
Concen: 38.669 ng
RT: 7.493 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion: 82 Resp: 369786

Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.0	45.0
54	51.3	41.3	61.9

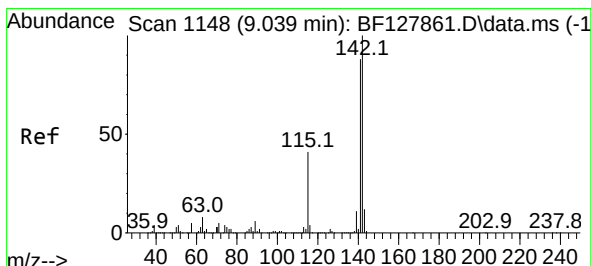
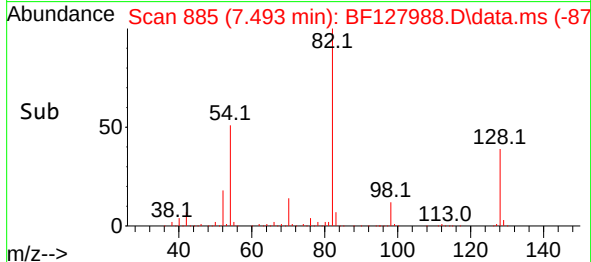
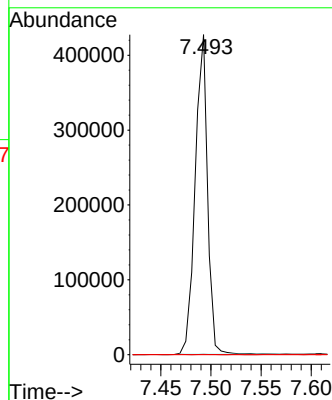
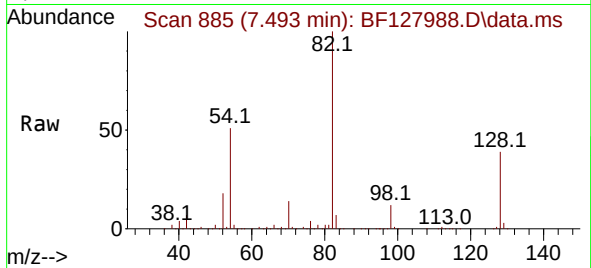




#25
Isophorone
Concen: 22.688 ng
RT: 7.493 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

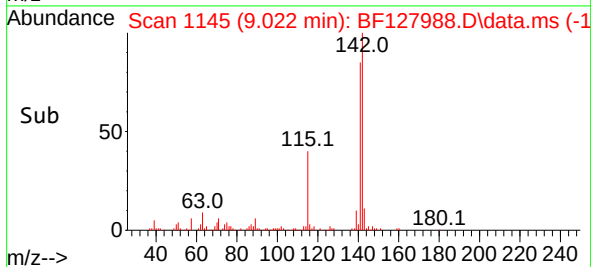
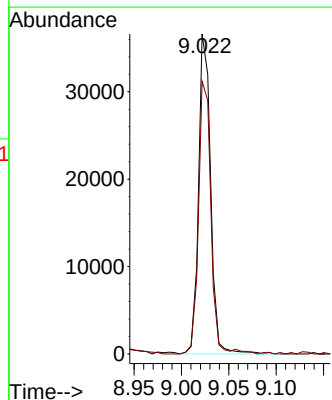
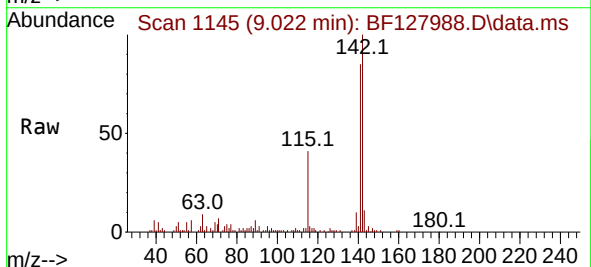
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

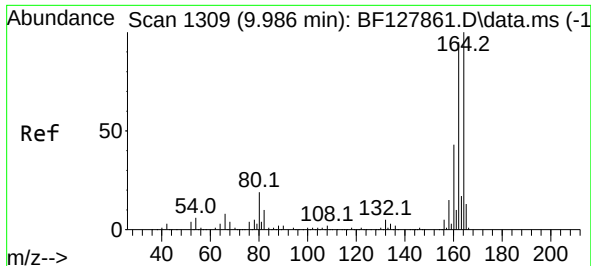
Tgt Ion: 82 Resp: 365163
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#38
1-Methylnaphthalene
Concen: 2.213 ng
RT: 9.022 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion: 142 Resp: 32565
Ion Ratio Lower Upper
142 100
141 85.2 70.1 105.1

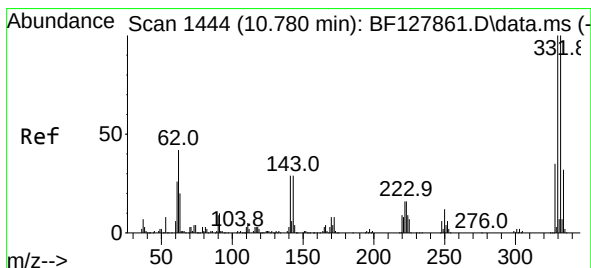
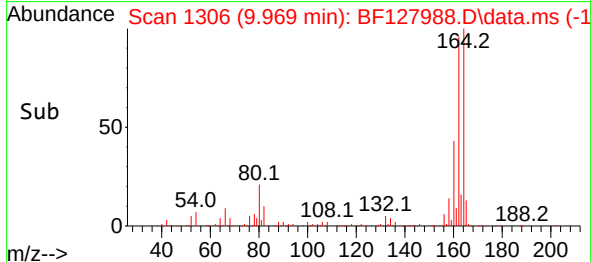
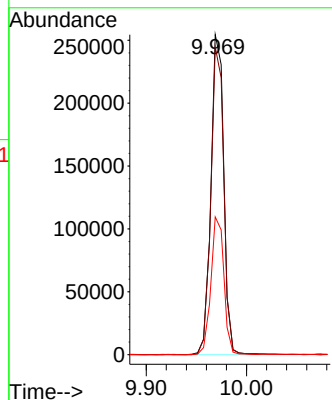
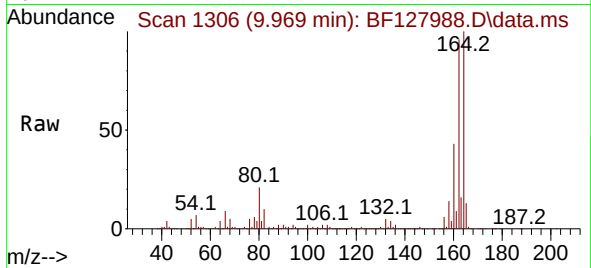




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

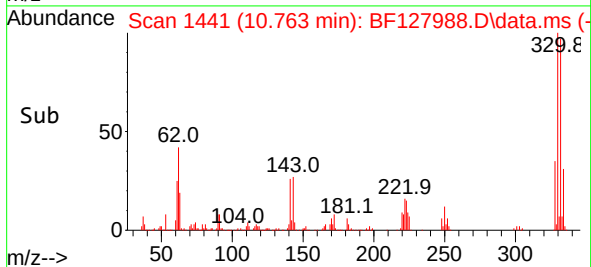
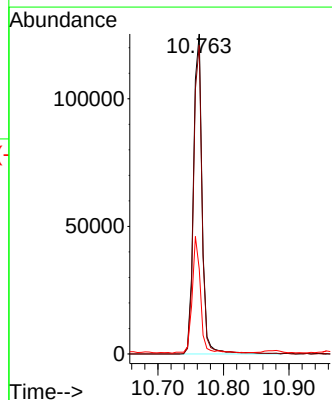
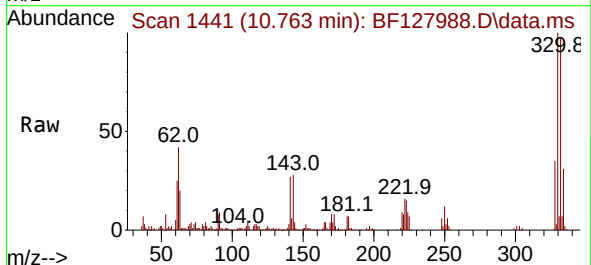
Instrument :
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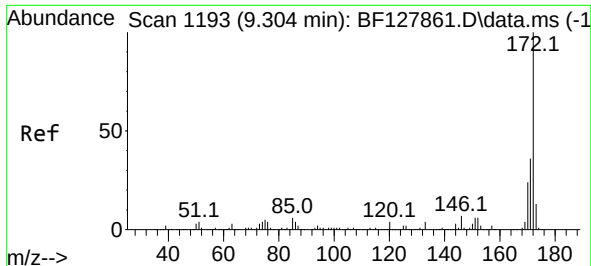
Tgt Ion:164 Resp: 227200
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 43.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 50.237 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:330 Resp: 114899
Ion Ratio Lower Upper
330 100
332 94.6 79.0 118.4
141 35.4 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 45.479 ng

RT: 9.287 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

Instrument :

BNA_F

ClientSampleId :

PSC-164718DL

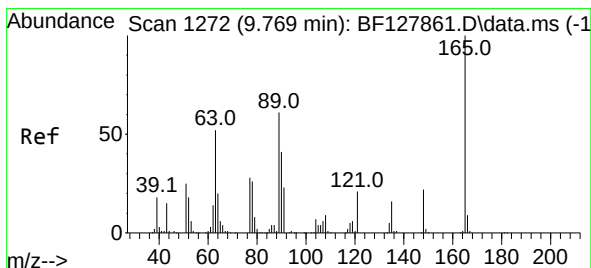
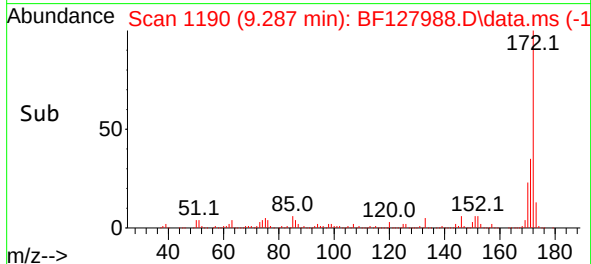
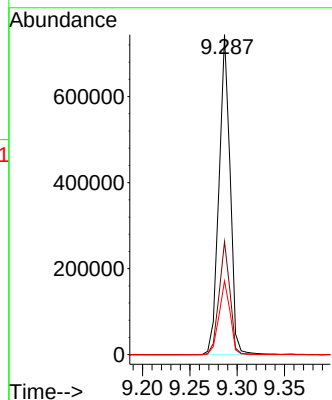
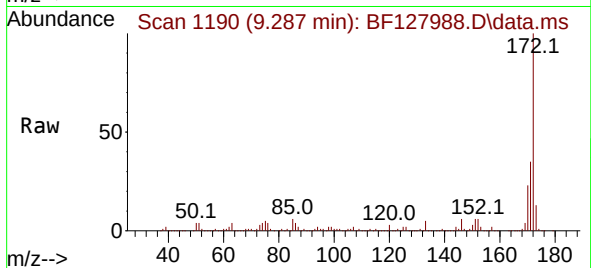
Tgt Ion:172 Resp: 610776

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.549 ng

RT: 9.969 min Scan# 1306

Delta R.T. 0.206 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

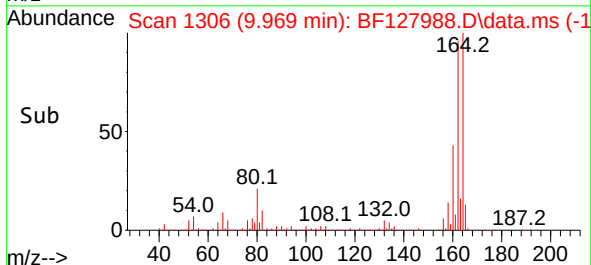
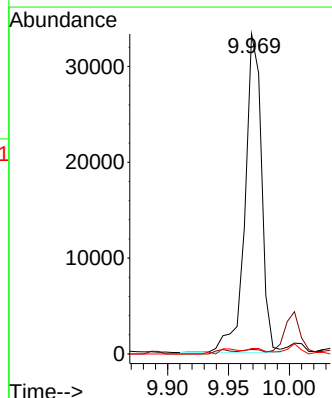
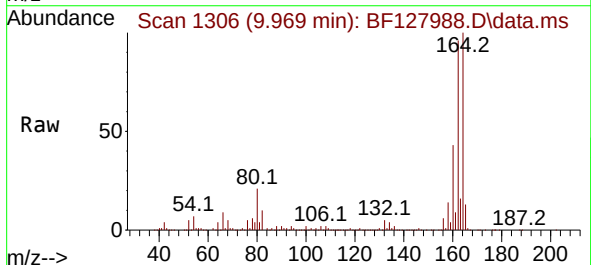
Tgt Ion:165 Resp: 31501

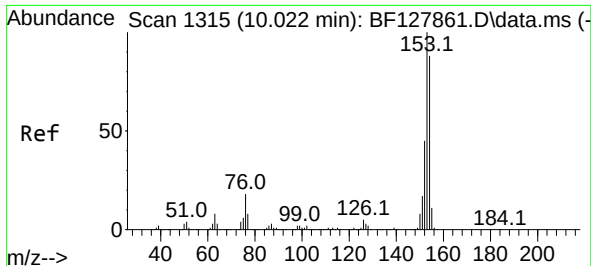
Ion Ratio Lower Upper

165 100

63 1.4 49.5 74.3#

89 1.7 49.0 73.4#

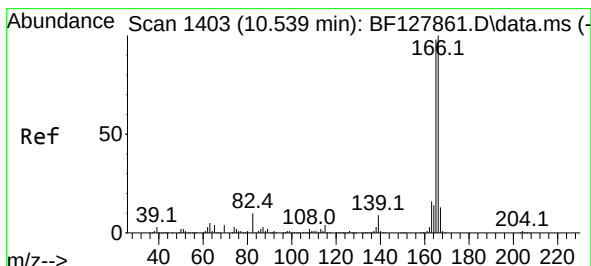
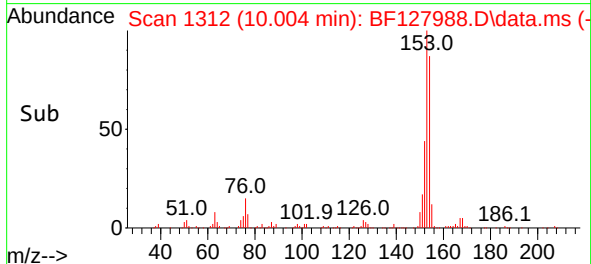
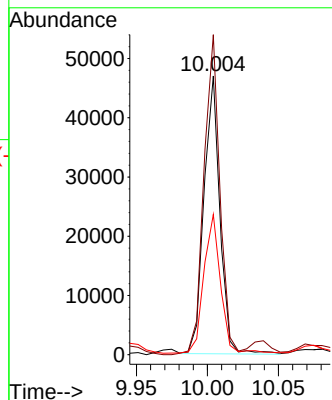
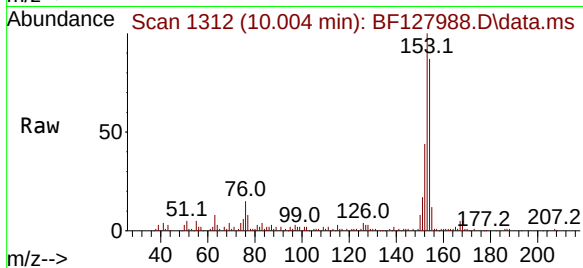




#52
Acenaphthene
Concen: 2.787 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

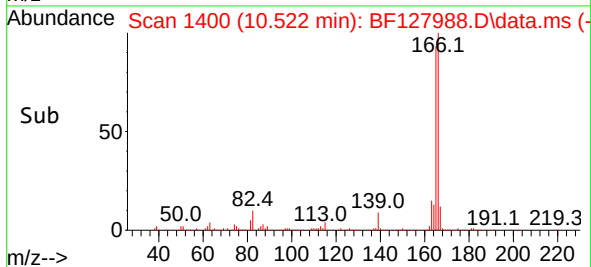
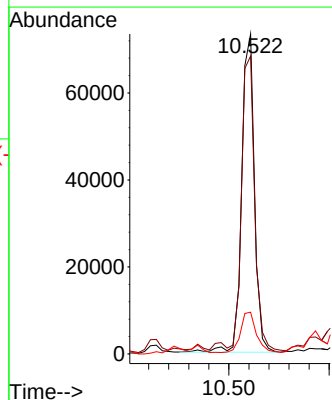
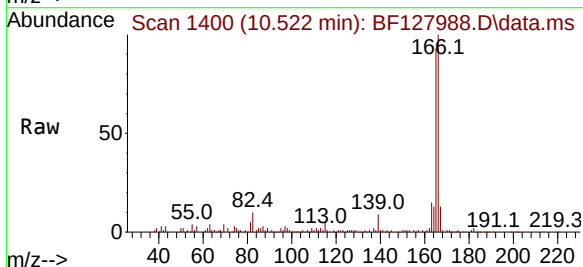
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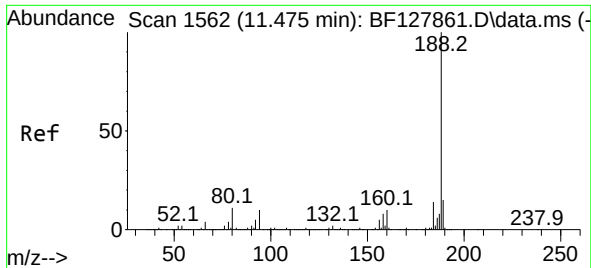
Tgt Ion:154 Resp: 36719
Ion Ratio Lower Upper
154 100
153 114.8 90.5 135.7
152 50.3 41.0 61.6



#58
Fluorene
Concen: 4.577 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:166 Resp: 64928
Ion Ratio Lower Upper
166 100
165 93.1 78.6 117.8
167 13.1 10.5 15.7

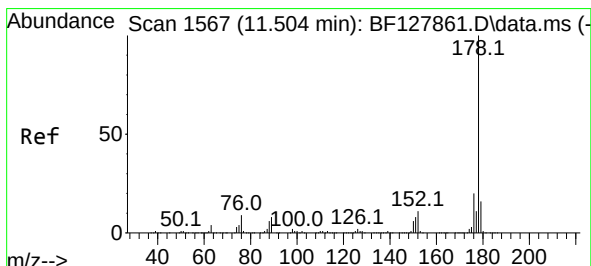
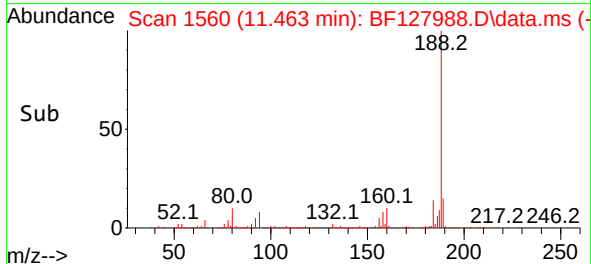
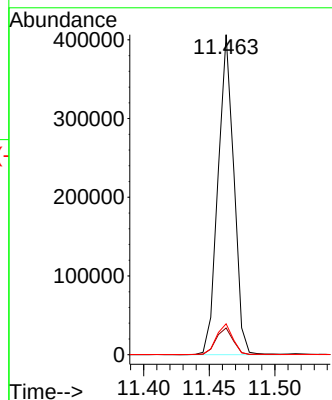
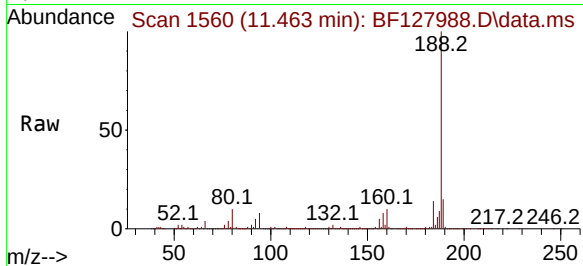




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

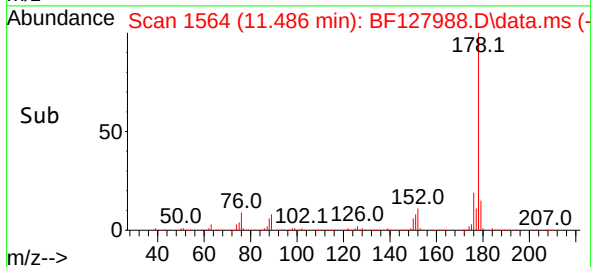
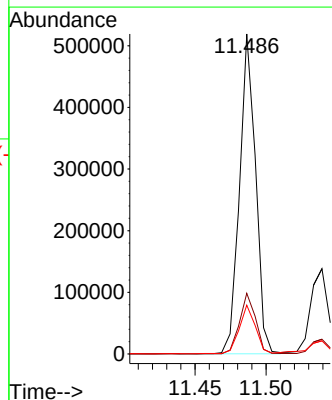
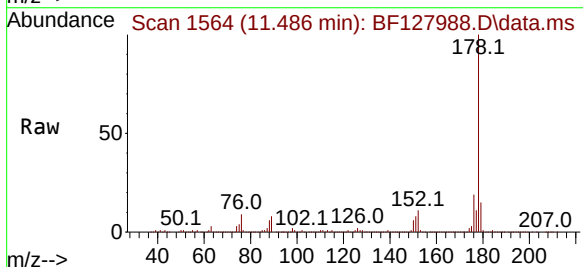
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

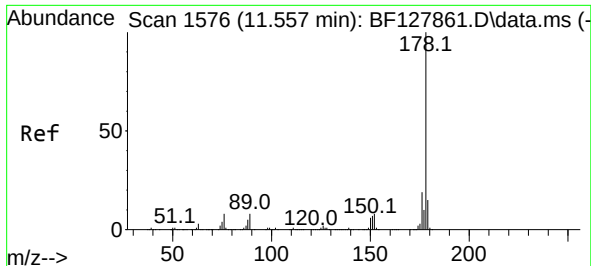
Tgt Ion:188 Resp: 340754
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.7 8.9 13.3



#71
Phenanthrene
Concen: 22.866 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:178 Resp: 407853
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.3 12.6 19.0

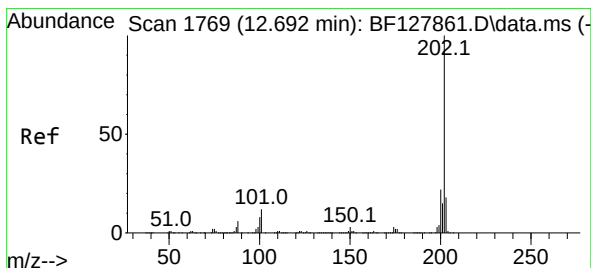
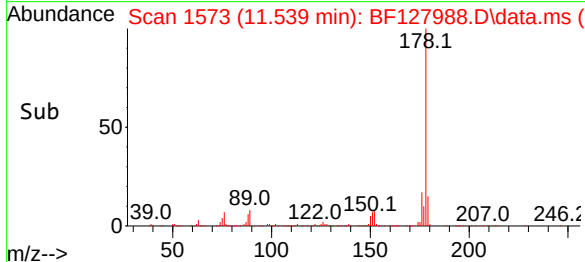
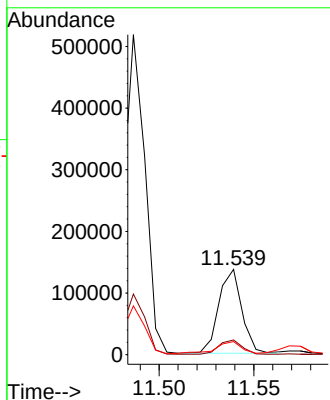
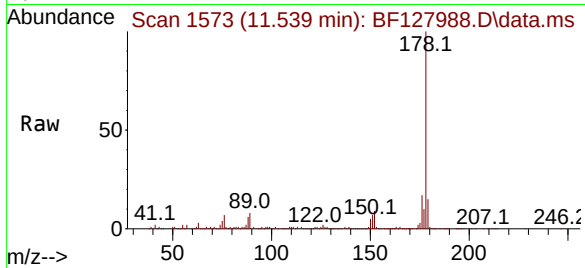




#72
 Anthracene
 Concen: 6.494 ng
 RT: 11.539 min Scan# 115382
 Delta R.T. -0.006 min
 Lab File: BF127988.D
 Acq: 28 Apr 2022 18:39

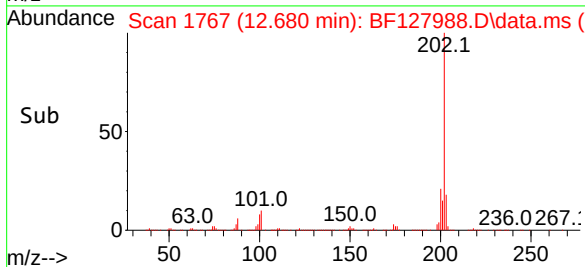
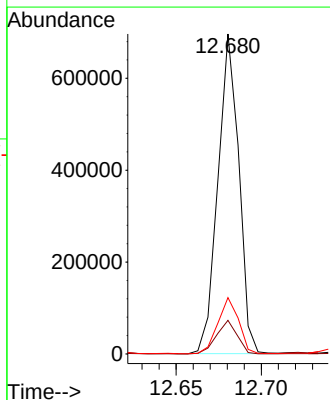
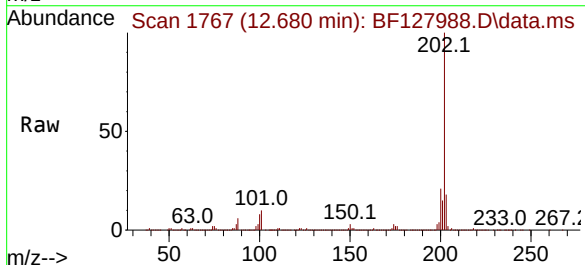
Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718DL

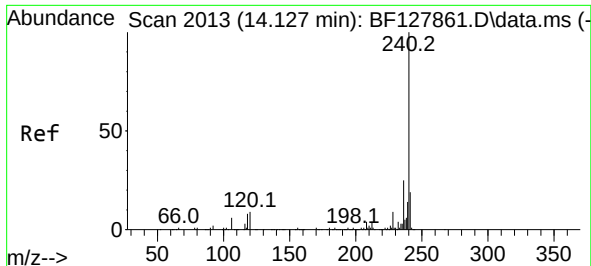
Tgt Ion:178 Resp: 115382
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.0 22.6
 179 15.3 12.4 18.6



#75
 Fluoranthene
 Concen: 31.688 ng
 RT: 12.680 min Scan# 1767
 Delta R.T. -0.006 min
 Lab File: BF127988.D
 Acq: 28 Apr 2022 18:39

Tgt Ion:202 Resp: 594870
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.6
 203 17.6 0.0 38.1

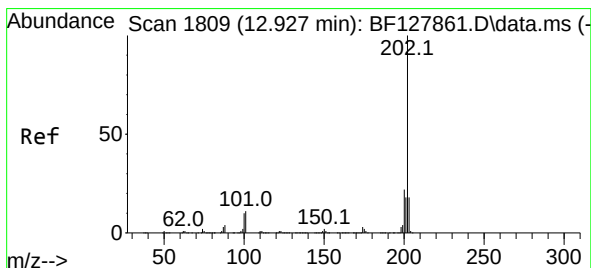
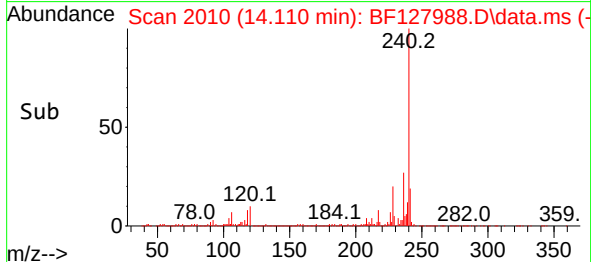
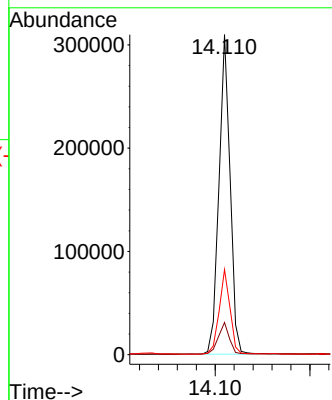
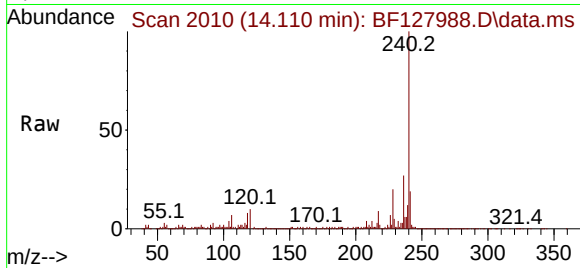




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

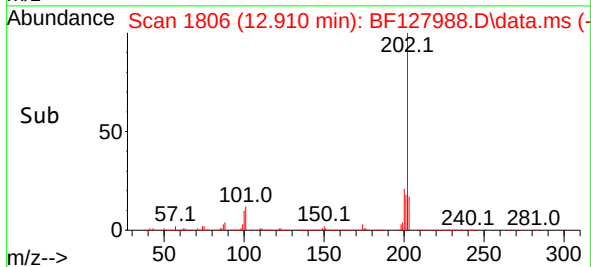
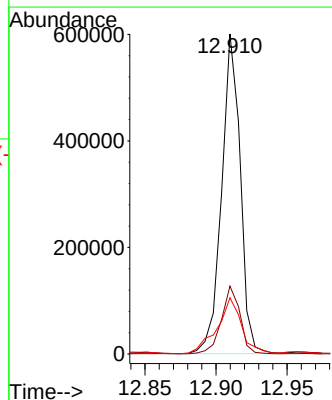
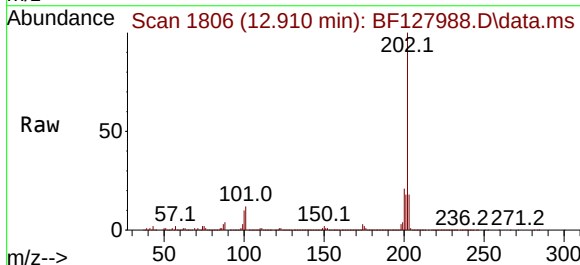
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

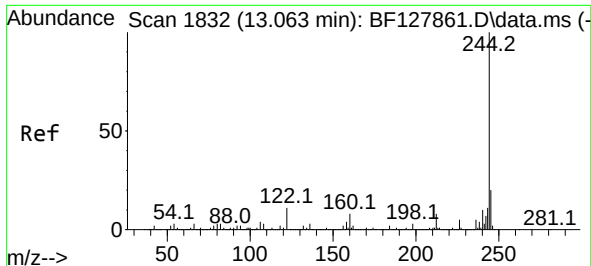
Tgt Ion:240 Resp: 253721
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.6
236 26.6 20.3 30.5



#78
Pyrene
Concen: 26.624 ng
RT: 12.910 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:202 Resp: 545305
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.0 21.0

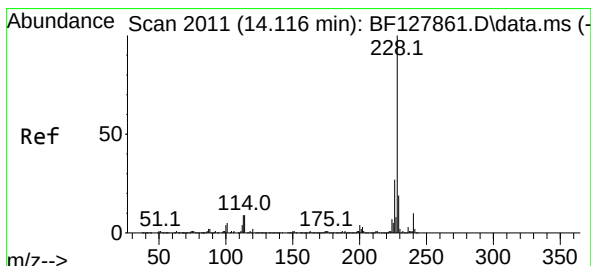
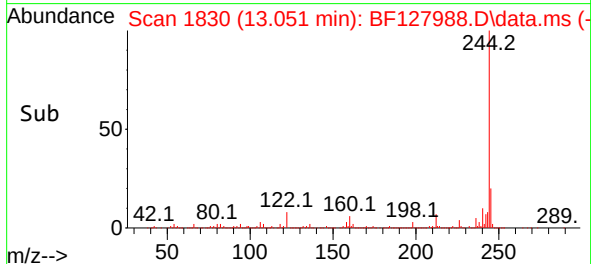
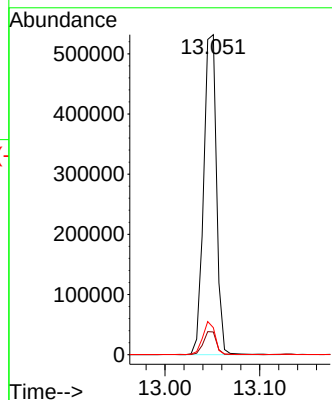
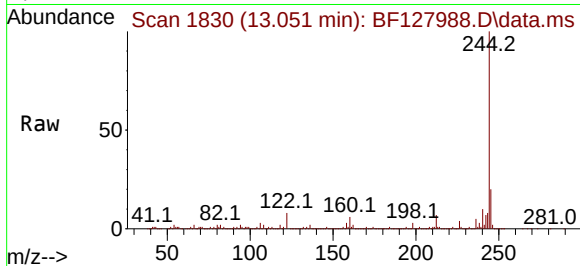




#79
 Terphenyl-d14
 Concen: 36.026 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127988.D
 Acq: 28 Apr 2022 18:39

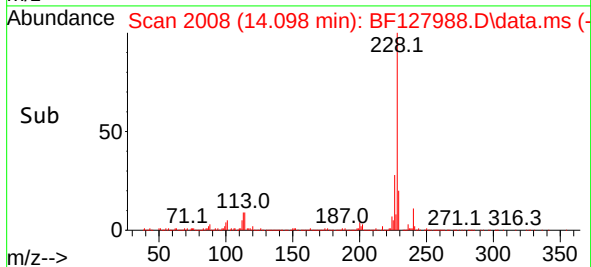
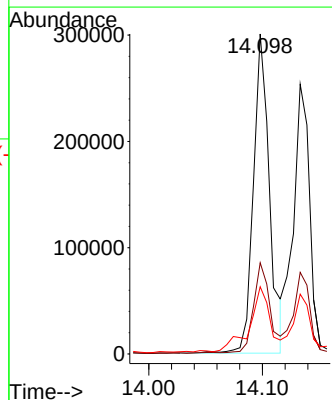
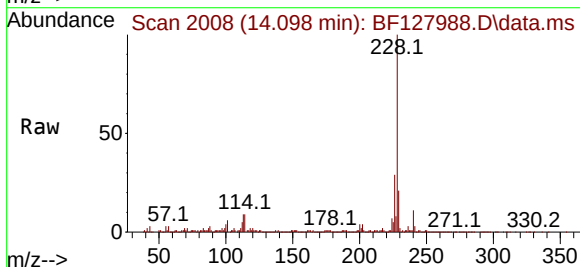
Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718DL

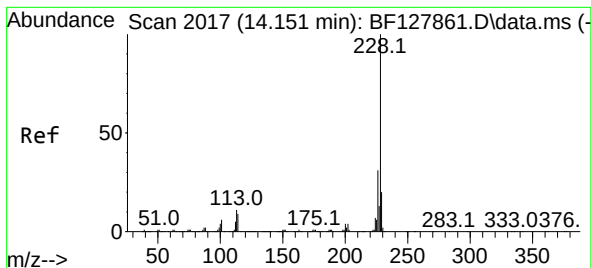
Tgt Ion:244 Resp: 499876
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 8.4 8.6 12.8#



#81
 Benzo(a)anthracene
 Concen: 17.460 ng
 RT: 14.098 min Scan# 2008
 Delta R.T. -0.006 min
 Lab File: BF127988.D
 Acq: 28 Apr 2022 18:39

Tgt Ion:228 Resp: 295271
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 21.0 15.4 23.2





#83

Chrysene

Concen: 15.621 ng

RT: 14.133 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

Instrument :

BNA_F

ClientSampleId :

PSC-164718DL

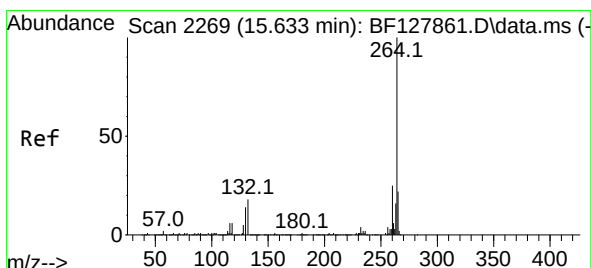
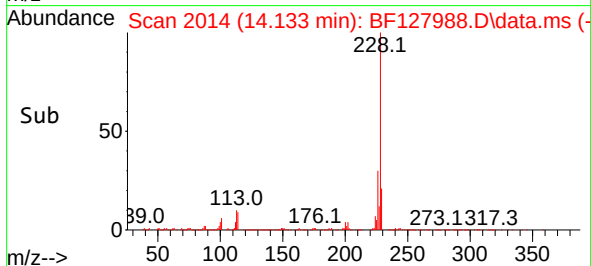
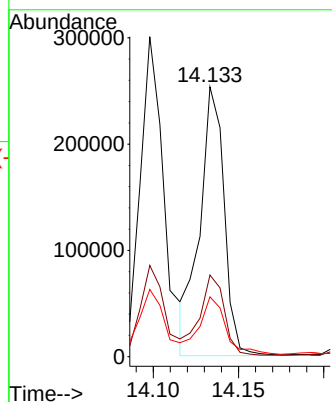
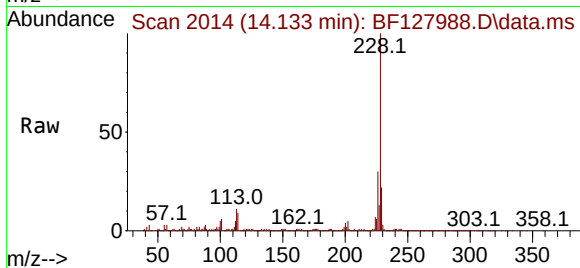
Tgt Ion:228 Resp: 252301

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 22.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

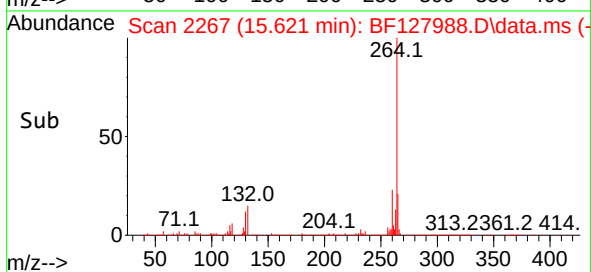
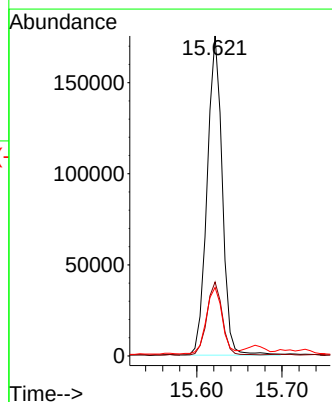
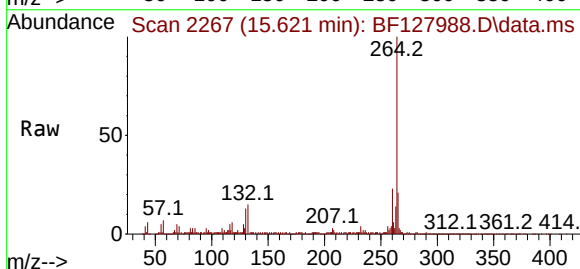
Tgt Ion:264 Resp: 215769

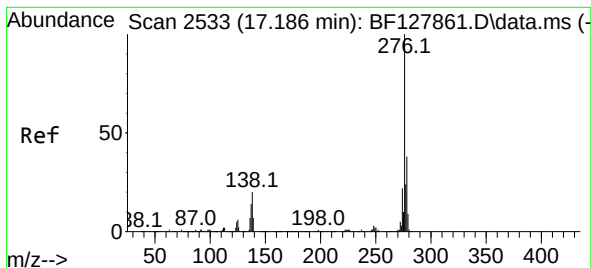
Ion Ratio Lower Upper

264 100

260 23.1 20.1 30.1

265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.868 ng

RT: 17.157 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

Instrument :

BNA_F

ClientSampleId :

PSC-164718DL

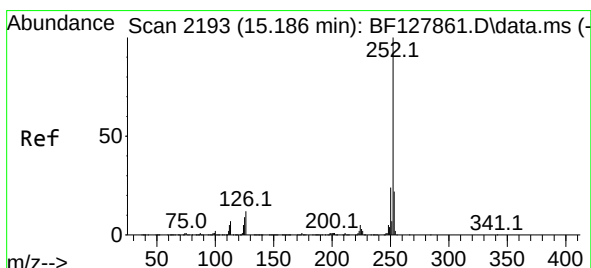
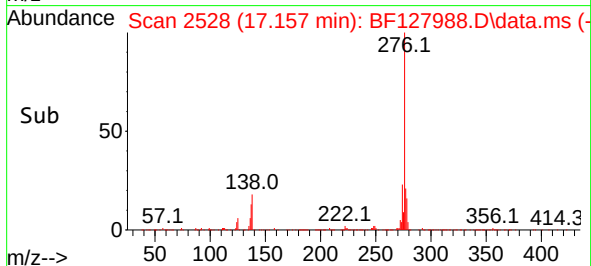
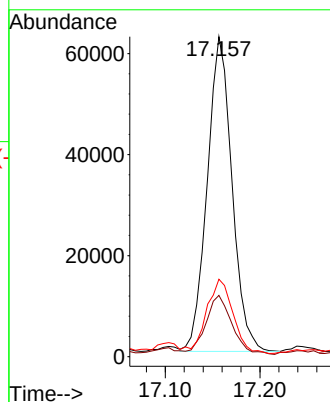
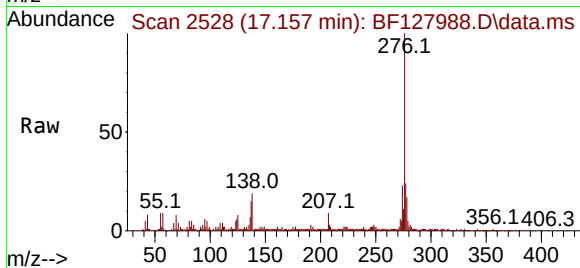
Tgt Ion:276 Resp: 113323

Ion Ratio Lower Upper

276 100

138 19.7 19.0 28.4

277 24.6 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 29.940 ng

RT: 15.174 min Scan# 2191

Delta R.T. 0.000 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

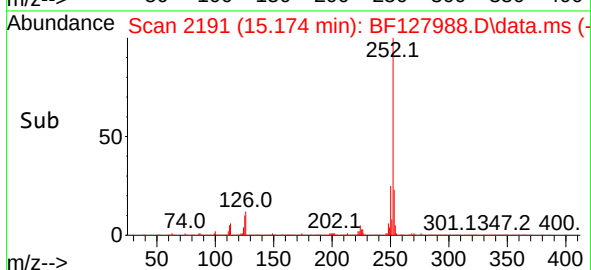
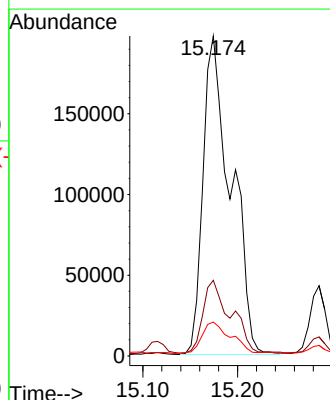
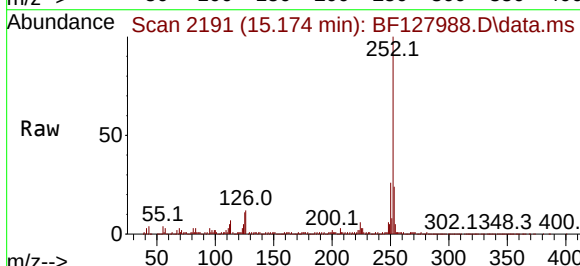
Tgt Ion:252 Resp: 405756

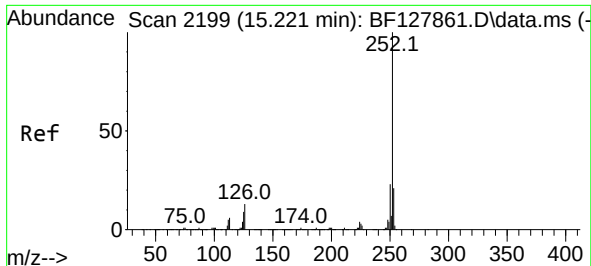
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 10.6 7.4 11.2

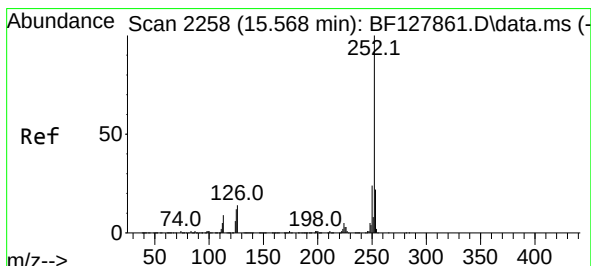
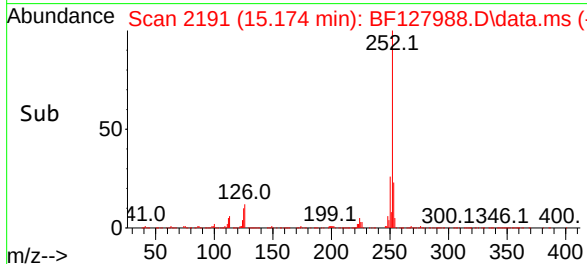
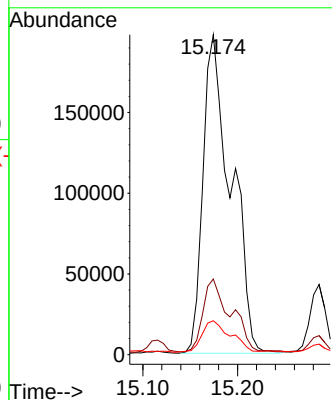
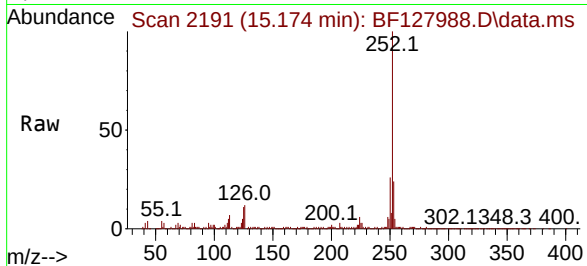




#89
Benzo(k)fluoranthene
Concen: 29.718 ng
RT: 15.174 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

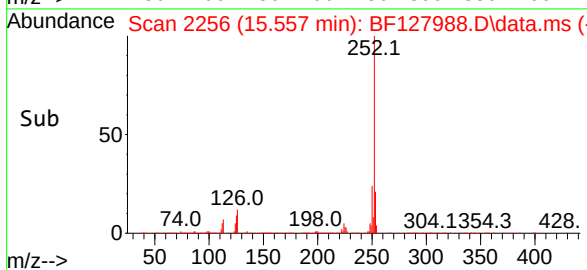
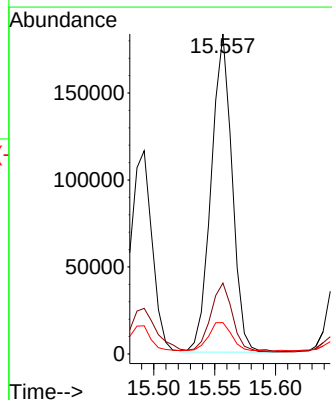
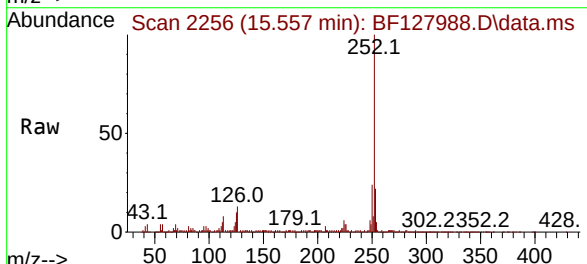
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

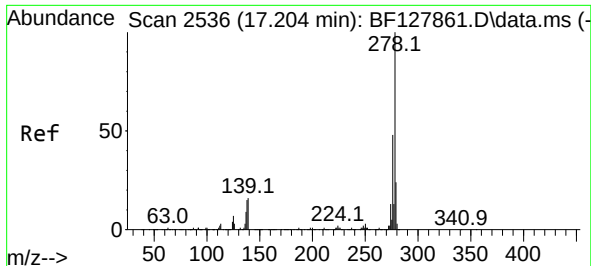
Tgt Ion:252 Resp: 405756
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 10.6 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 19.536 ng
RT: 15.557 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:252 Resp: 219607
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.8 9.2 13.8

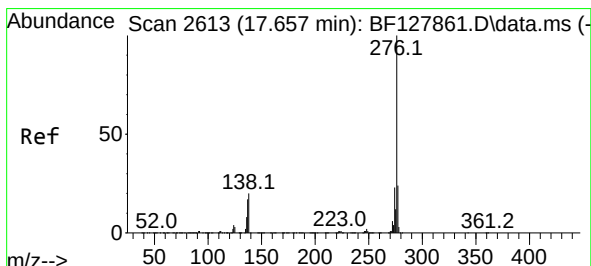
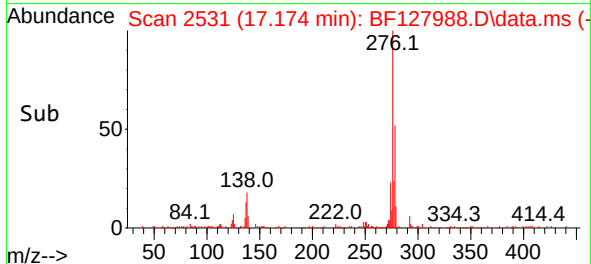
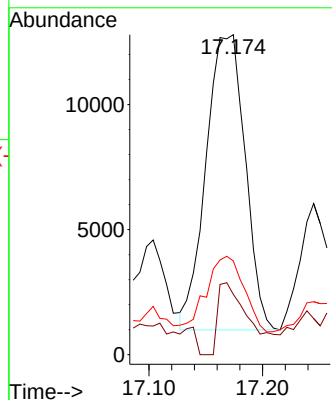
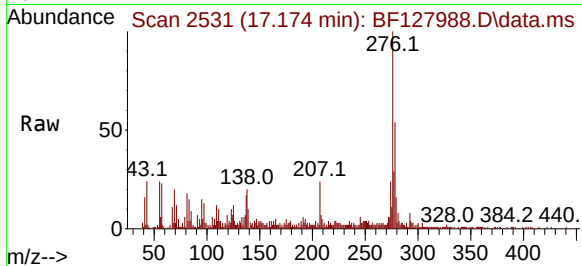




#91
Dibenzo(a,h)anthracene
Concen: 2.441 ng
RT: 17.174 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

Tgt Ion:278 Resp: 28195
Ion Ratio Lower Upper
278 100
139 18.8 12.6 19.0
279 29.3 18.9 28.3#



#92
Benzo(g,h,i)perylene
Concen: 8.968 ng
RT: 17.627 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:276 Resp: 109161
Ion Ratio Lower Upper
276 100
277 23.7 18.8 28.2
138 19.0 16.2 24.2

