

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
 Data File : BF125431.D
 Acq On : 10 Sep 2021 19:05
 Operator : JU/CG
 Sample : M3685-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 327

Quant Time: Sep 11 01:07:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 08 14:14:01 2021
 Response via : Initial Calibration

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

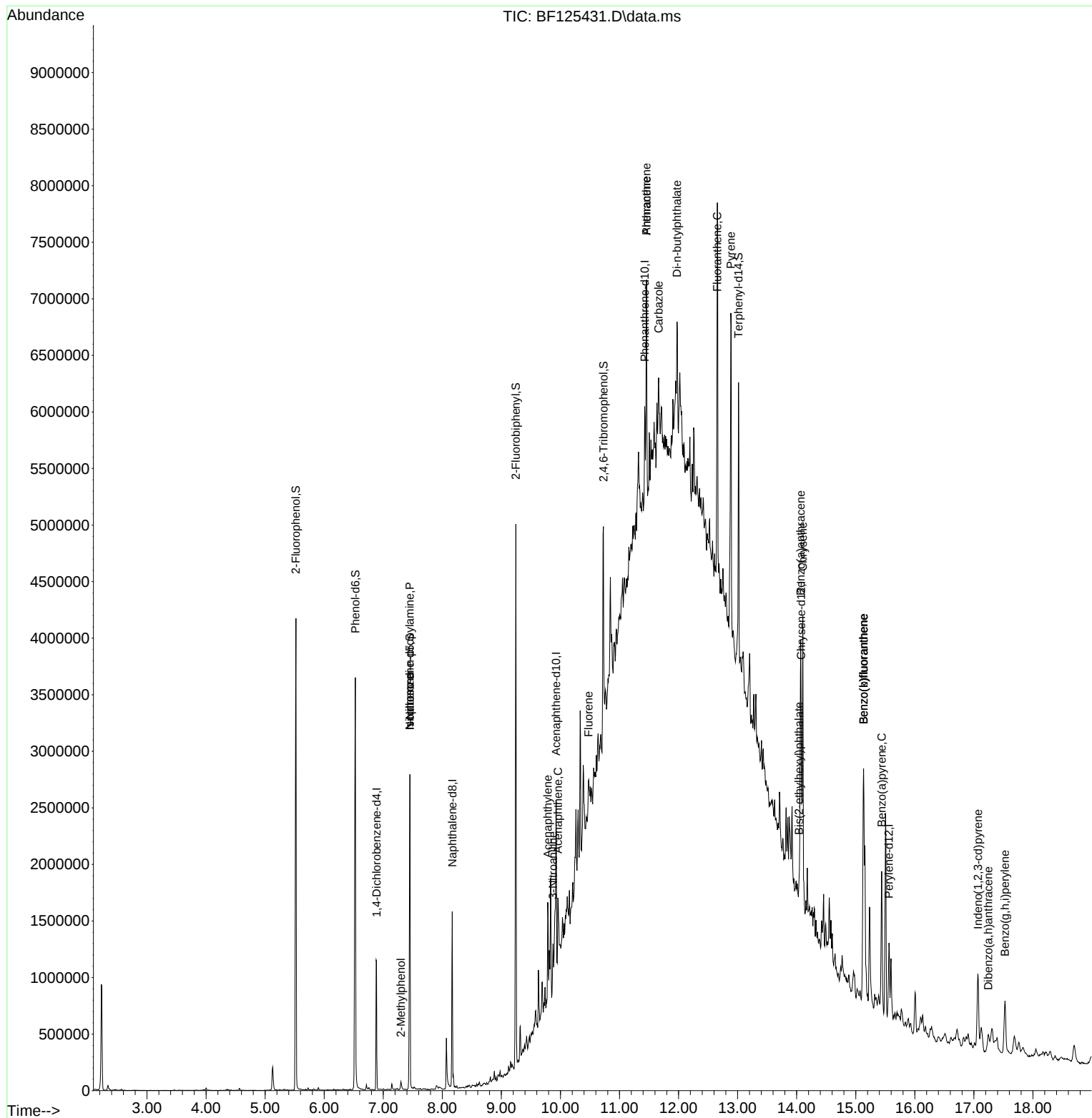
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	174145	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	643903	20.000	ng	# 0.00
39) Acenaphthene-d10	9.927	164	286628	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	326006	20.000	ng	# 0.01
76) Chrysene-d12	14.074	240	262636	20.000	ng	0.01
86) Perylene-d12	15.562	264	278698	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1090853	94.813	ng	0.01
7) Phenol-d6	6.528	99	1384642	93.053	ng	0.00
23) Nitrobenzene-d5	7.451	82	913226	71.401	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	325700	113.834	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1547635	75.254	ng	0.00
79) Terphenyl-d14	13.015	244	1069081	64.848	ng	0.01
Target Compounds						Qvalue
17) 2-Methylphenol	7.298	107	23083	2.341	ng	# 74
19) n-Nitroso-di-n-propyla...	7.451	70	127220	14.214	ng	# 57
25) Isophorone	7.451	82	913217	37.012	ng	# 59
49) Acenaphthylene	9.786	152	98741	3.608	ng	# 85
52) Acenaphthene	9.957	154	57000	3.360	ng	94
53) 3-Nitroaniline	9.874	138	12019	2.588	ng	# 24
58) Fluorene	10.474	166	59096	3.274	ng	# 84
71) Phenanthrene	11.457	178	816615	45.461	ng	# 95
72) Anthracene	11.457	178	816615	46.122	ng	95
73) Carbazole	11.663	167	119839	7.407	ng	# 82
74) Di-n-butylphthalate	11.974	149	66862	3.482	ng	# 43
75) Fluoranthene	12.657	202	1893278	106.222	ng	96
78) Pyrene	12.886	202	1726298	76.626	ng	95
81) Benzo(a)anthracene	14.068	228	1075149	56.816	ng	95
83) Chrysene	14.104	228	1085588	58.009	ng	94
84) Bis(2-ethylhexyl)phtha...	14.039	149	31495	2.589	ng	# 87
87) Indeno(1,2,3-cd)pyrene	17.068	276	462402	23.030	ng	# 87
88) Benzo(b)fluoranthene	15.133	252	1947481	95.647	ng	# 94
89) Benzo(k)fluoranthene	15.133	252	1947481	102.499	ng	98
90) Benzo(a)pyrene	15.439	252	685917	38.137	ng	99
91) Dibenzo(a,h)anthracene	17.245	278	86729	4.997	ng	94
92) Benzo(g,h,i)perylene	17.527	276	412159	24.630	ng	# 87

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

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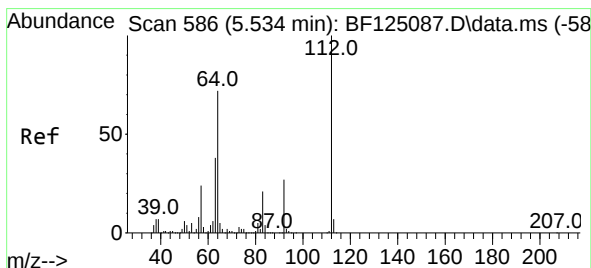
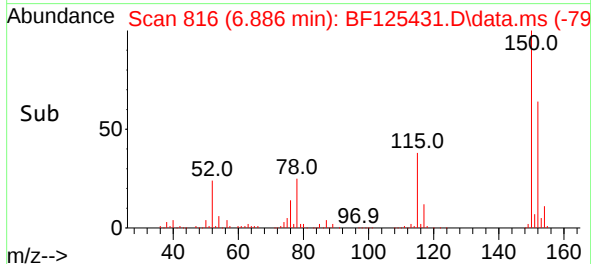
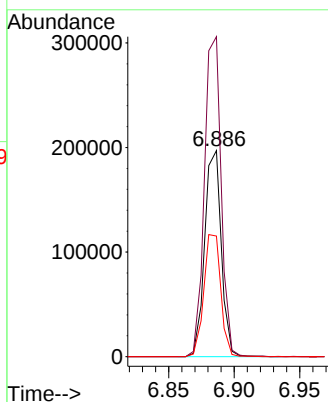
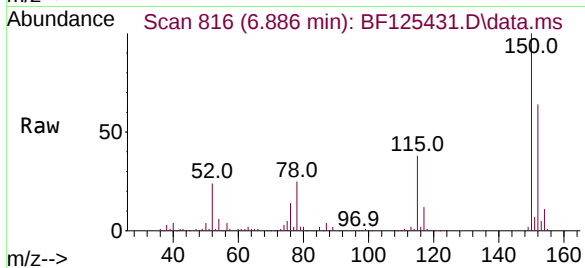




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

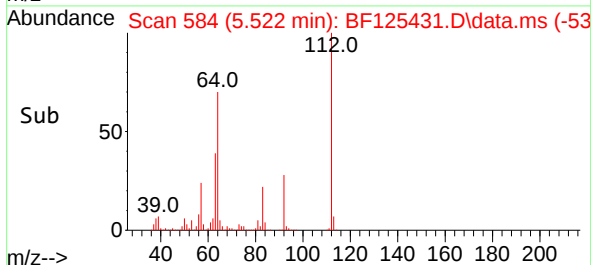
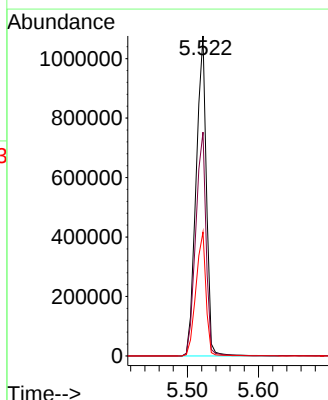
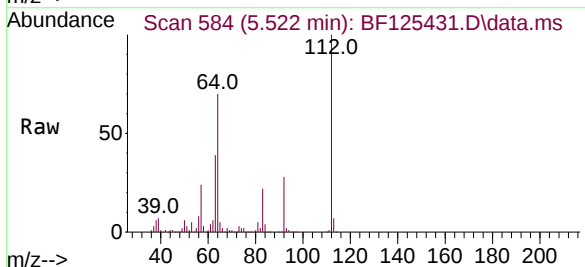
Instrument :
BNA_F
ClientSampleId :
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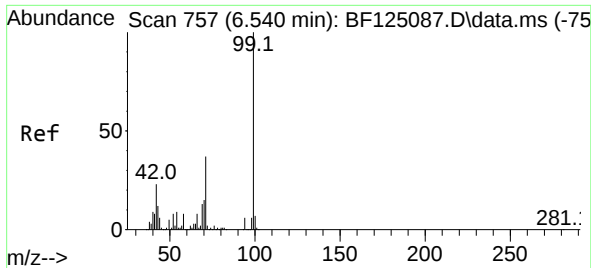
Tgt Ion:152 Resp: 174145
Ion Ratio Lower Upper
152 100
150 155.3 117.6 176.4
115 58.5 47.1 70.7



#5
2-Fluorophenol
Concen: 94.813 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:112 Resp: 1090853
Ion Ratio Lower Upper
112 100
64 70.0 44.2 66.2#
63 38.7 26.2 39.2

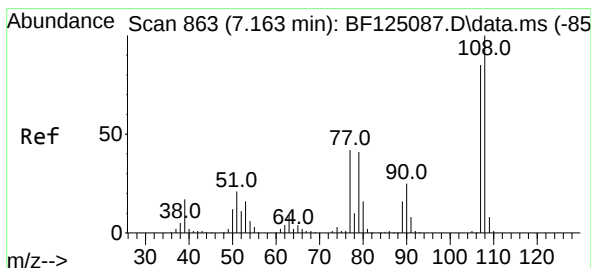
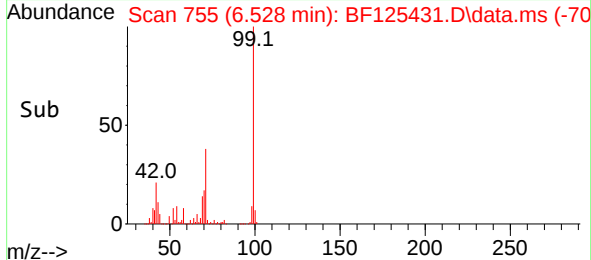
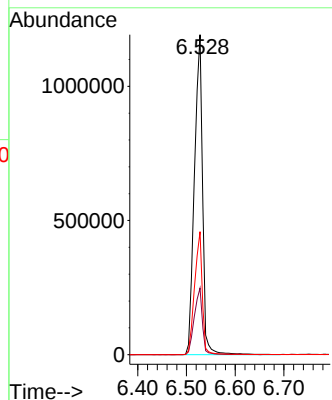
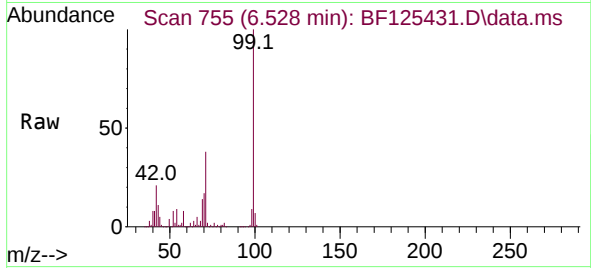




#7
Phenol-d6
Concen: 93.053 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

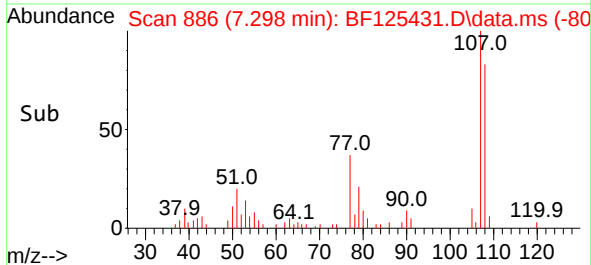
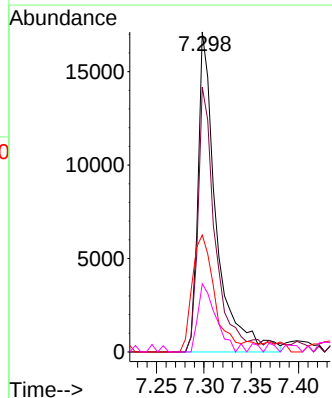
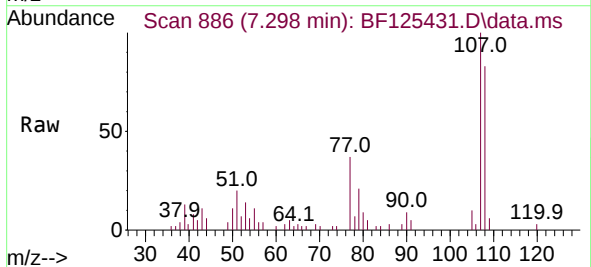
Instrument :
BNA_F
ClientSampleId :
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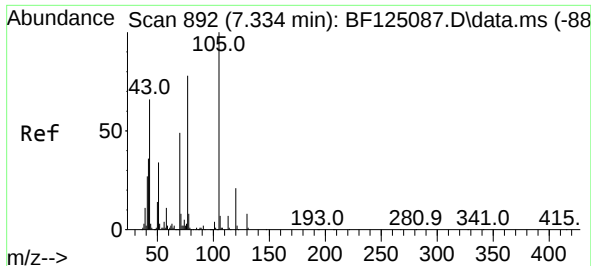
Tgt Ion: 99 Resp: 1384642
Ion Ratio Lower Upper
99 100
42 20.8 23.5 35.3#
71 38.5 25.6 38.4#



#17
2-Methylphenol
Concen: 2.341 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.153 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

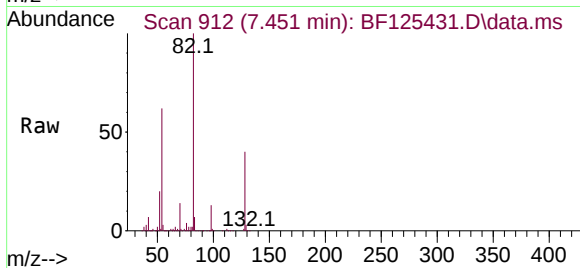
Tgt Ion: 107 Resp: 23083
Ion Ratio Lower Upper
107 100
108 82.8 90.6 135.8#
77 36.5 35.7 53.5
79 21.3 34.0 51.0#



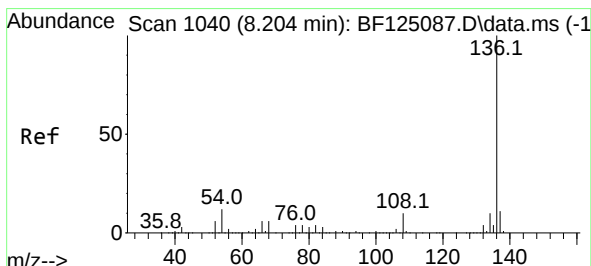
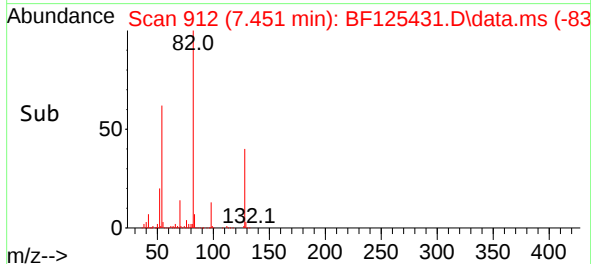
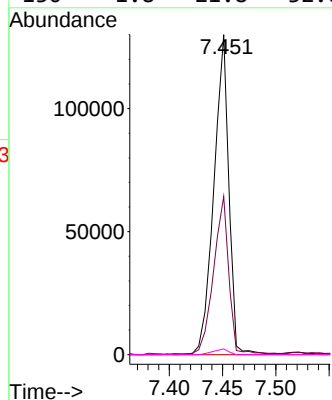


#19
n-Nitroso-di-n-propylamine
Concen: 14.214 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Instrument :
BNA_F
ClientSampled :
327

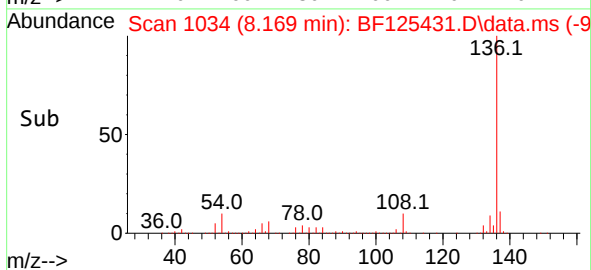
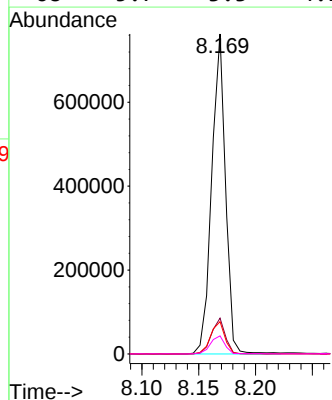
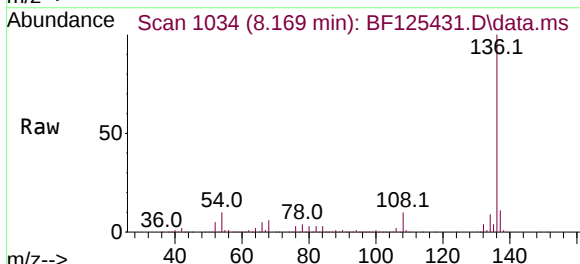


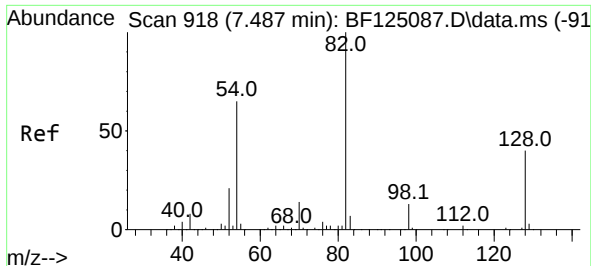
Tgt Ion: 70 Resp: 127220
Ion Ratio Lower Upper
70 100
42 49.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion: 136 Resp: 643903
Ion Ratio Lower Upper
136 100
137 11.2 9.8 14.6
54 10.1 6.4 9.6#
68 5.7 3.3 4.9#

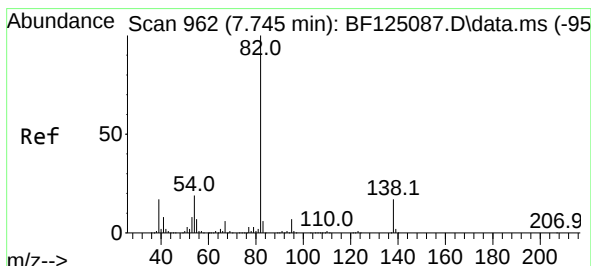
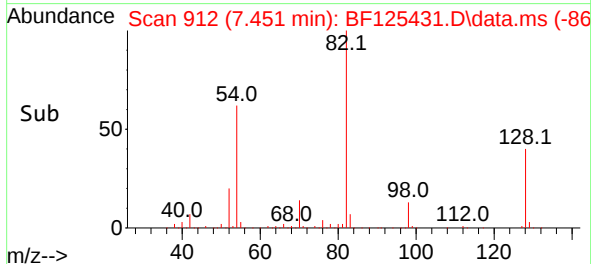
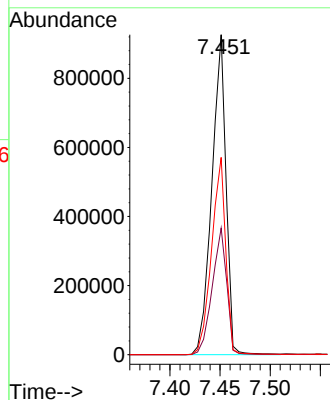
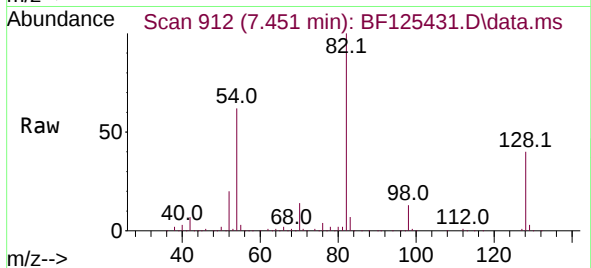




#23
Nitrobenzene-d5
Concen: 71.401 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

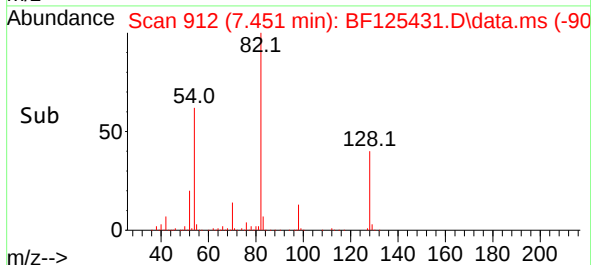
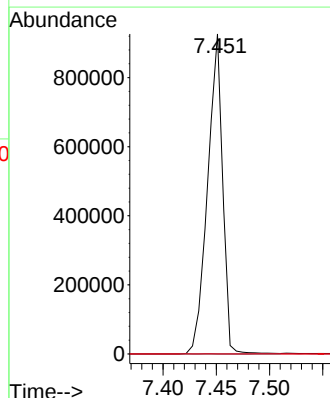
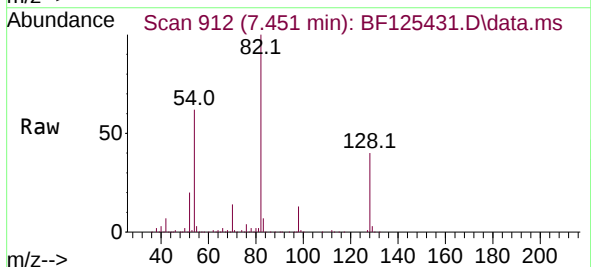
Instrument :
BNA_F
ClientSampleId :
327

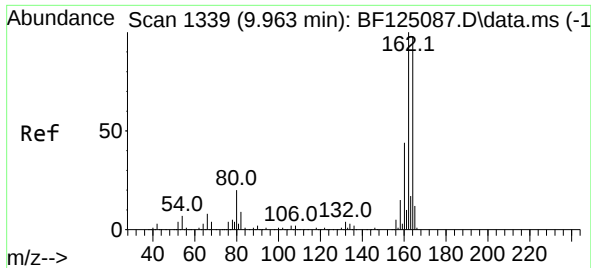
Tgt Ion: 82 Resp: 913226
Ion Ratio Lower Upper
82 100
128 39.6 40.6 60.8#
54 61.7 49.6 74.4



#25
Isophorone
Concen: 37.012 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.259 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion: 82 Resp: 913217
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#

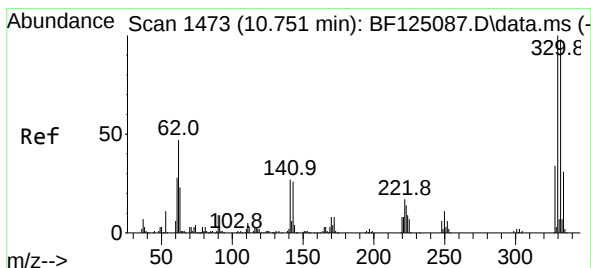
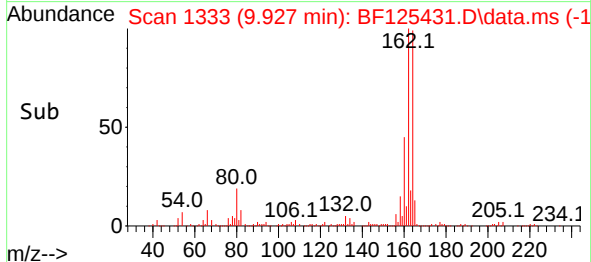
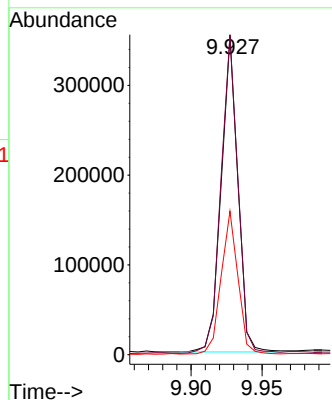
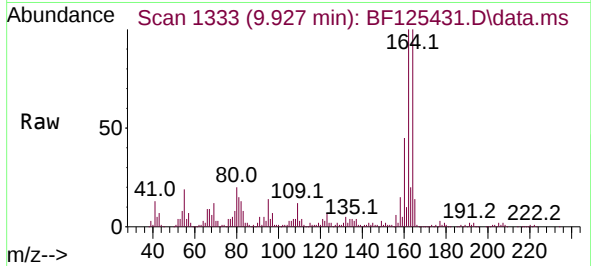




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

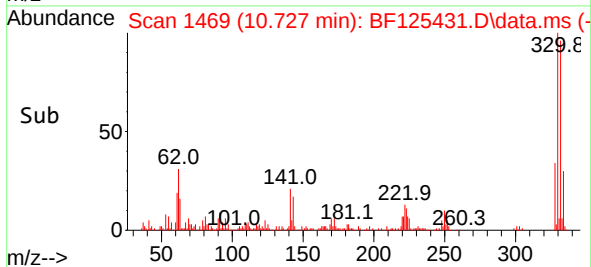
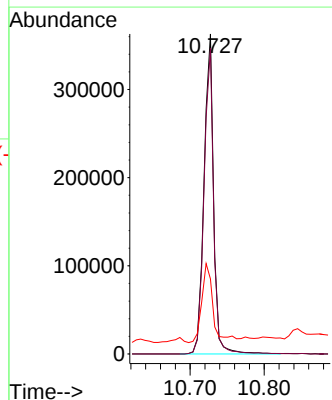
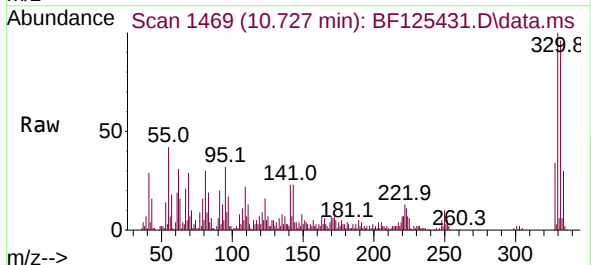
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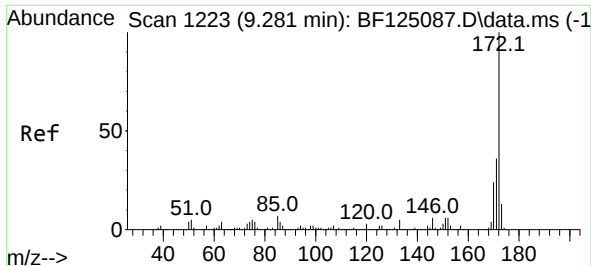
Tgt Ion:164 Resp: 286628
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 45.0 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 113.834 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.006 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:330 Resp: 325700
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 29.6 44.6 66.8#

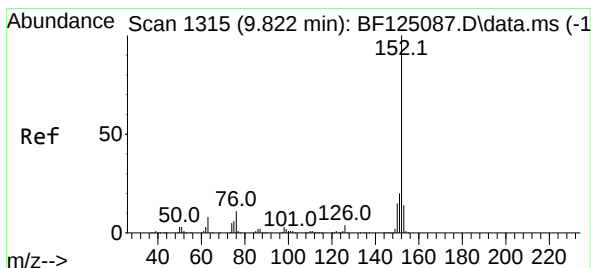
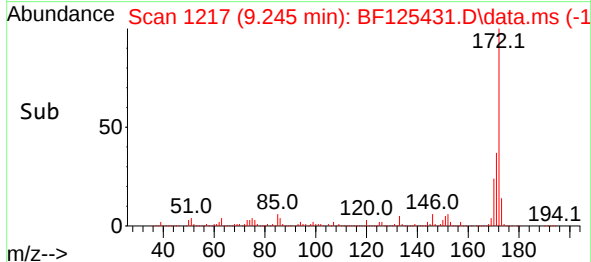
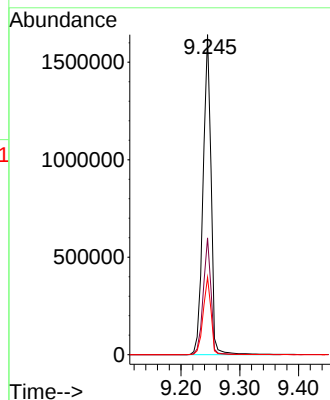
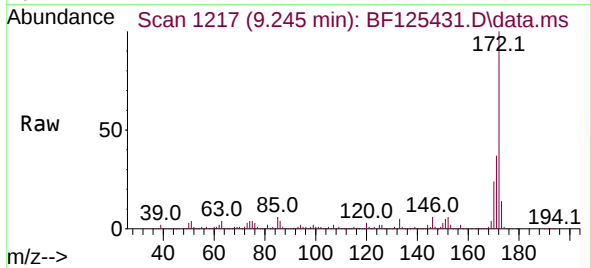




#45
2-Fluorobiphenyl
Concen: 75.254 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

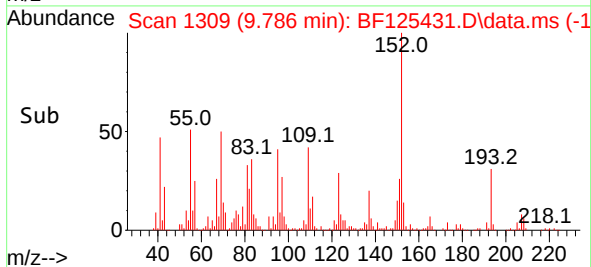
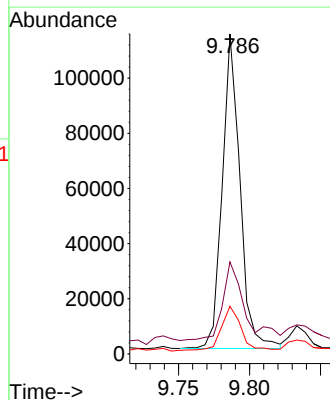
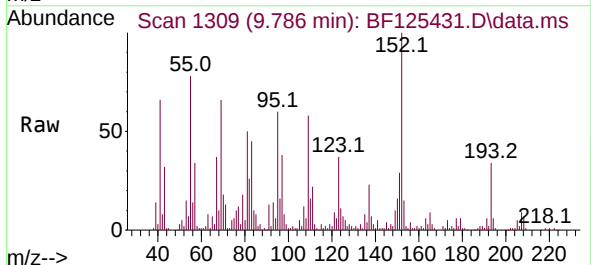
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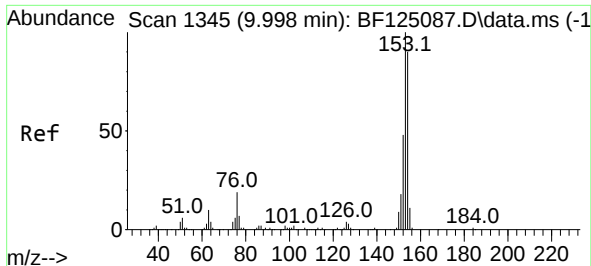
Tgt Ion:172 Resp: 1547635
Ion Ratio Lower Upper
172 100
171 36.5 26.5 39.7
170 24.2 18.8 28.2



#49
Acenaphthylene
Concen: 3.608 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:152 Resp: 98741
Ion Ratio Lower Upper
152 100
151 28.7 15.7 23.5#
153 14.9 9.8 14.8#

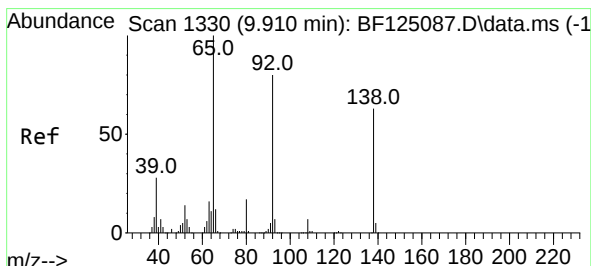
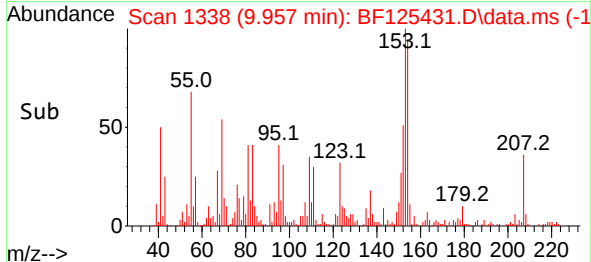
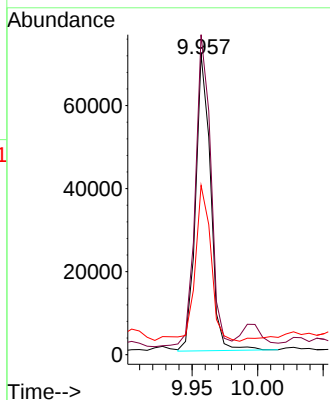
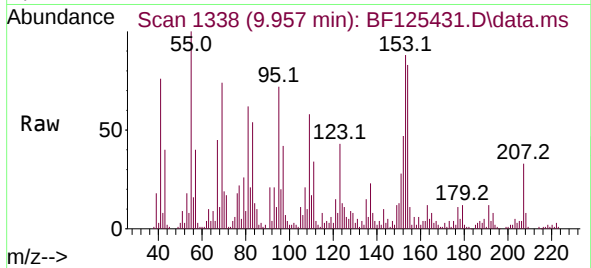




#52
Acenaphthene
Concen: 3.360 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

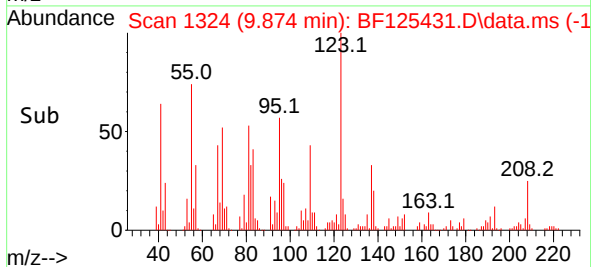
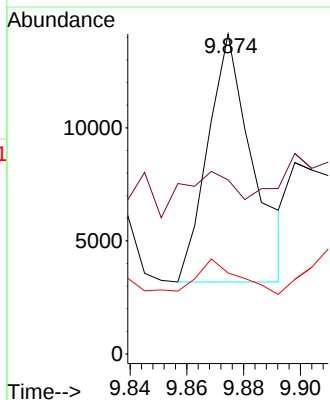
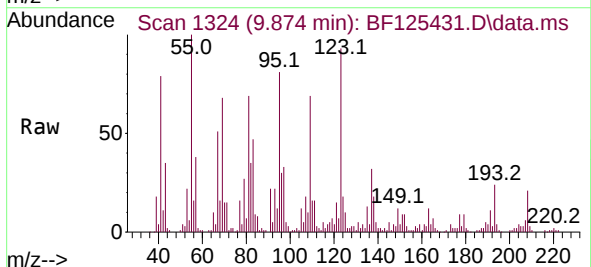
Instrument :
BNA_F
ClientSampled :
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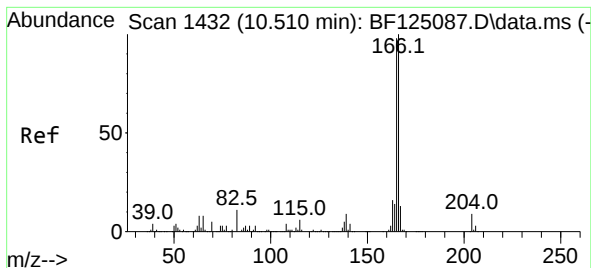
Tgt Ion:154 Resp: 57000
Ion Ratio Lower Upper
154 100
153 106.4 89.4 134.2
152 56.3 40.5 60.7



#53
3-Nitroaniline
Concen: 2.588 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:138 Resp: 12019
Ion Ratio Lower Upper
138 100
108 54.4 9.3 13.9#
92 25.3 76.5 114.7#





#58

Fluorene

Concen: 3.274 ng

RT: 10.474 min Scan# 1426

Delta R.T. -0.006 min

Lab File: BF125431.D

Acq: 10 Sep 2021 19:05

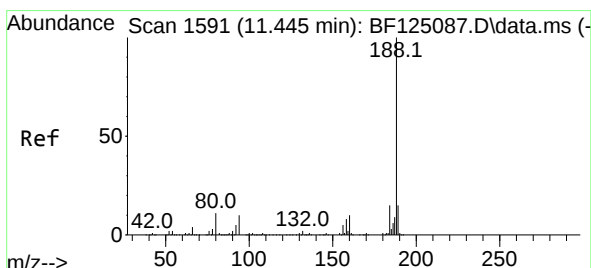
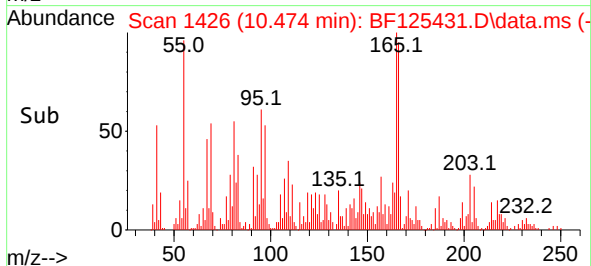
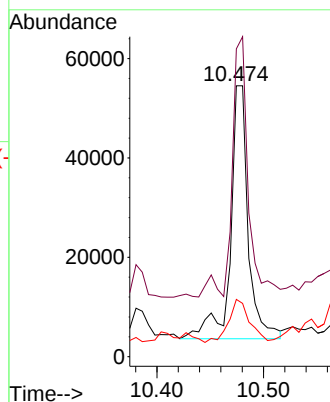
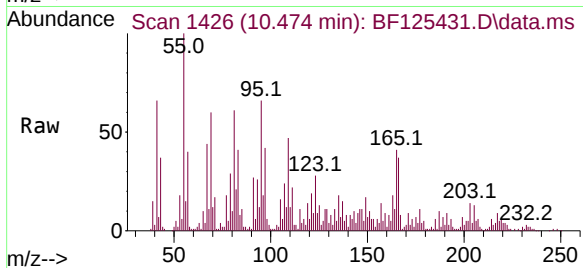
Tgt Ion:	166	Resp:	59096
Ion Ratio	Lower	Upper	
166	100		
165	113.6	78.1	117.1
167	21.1	11.1	16.7#

Instrument :

BNA_F

ClientSampled :

327



#64

Phenanthrene-d10

Concen: 20.000 ng

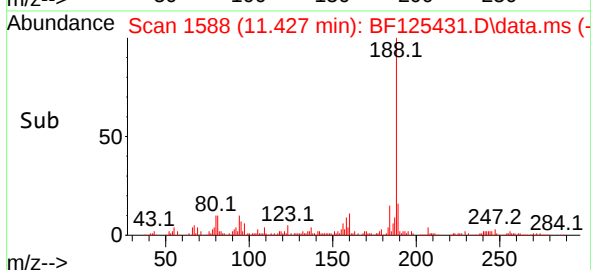
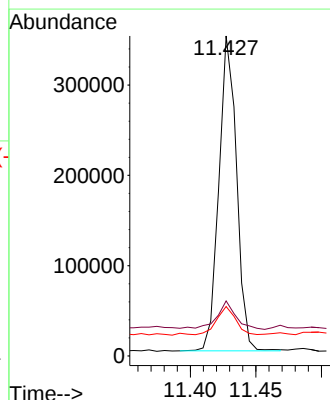
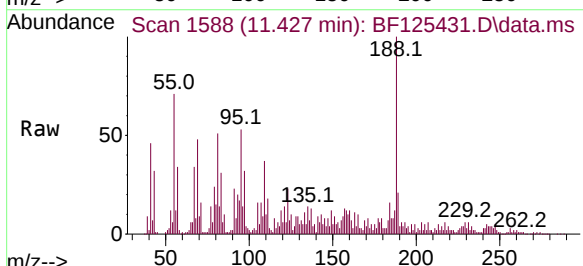
RT: 11.427 min Scan# 1588

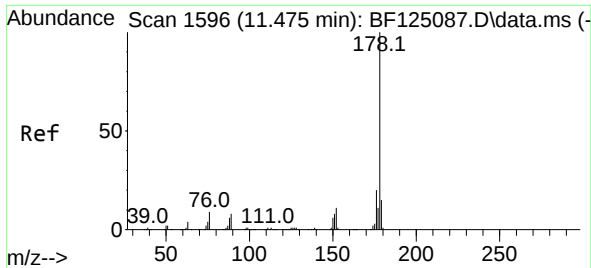
Delta R.T. 0.012 min

Lab File: BF125431.D

Acq: 10 Sep 2021 19:05

Tgt Ion:	188	Resp:	326006
Ion Ratio	Lower	Upper	
188	100		
94	17.2	6.7	10.1#
80	15.5	7.5	11.3#

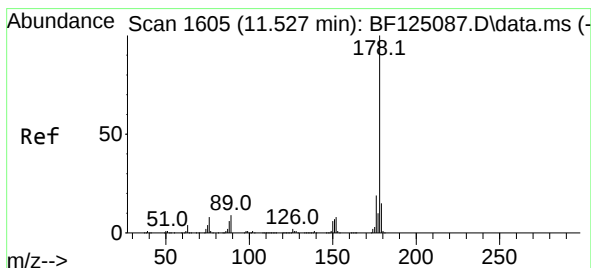
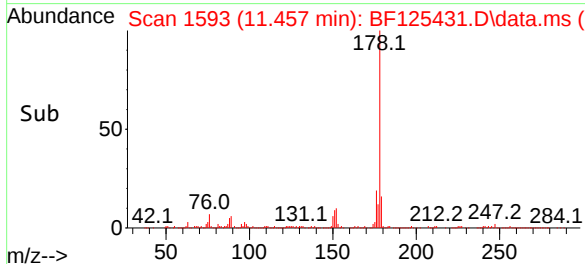
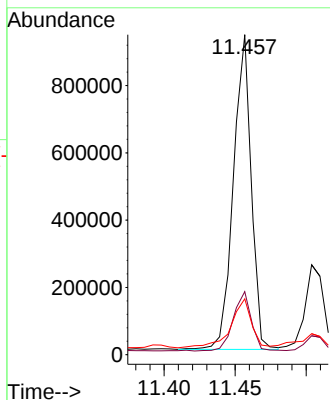
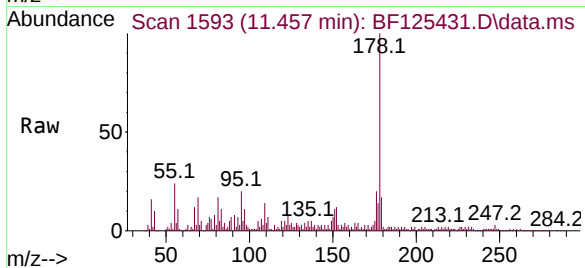




#71
Phenanthrene
Concen: 45.461 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.012 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

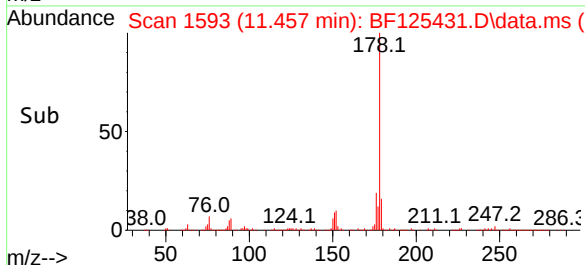
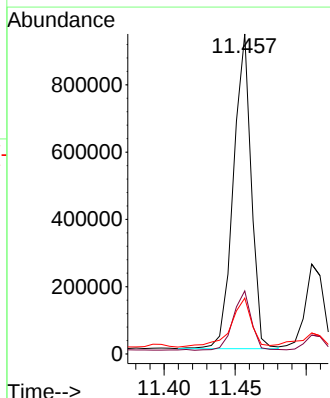
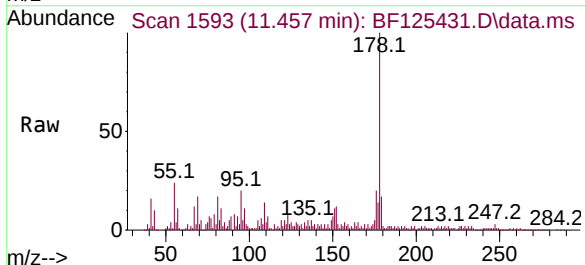
Instrument :
BNA_F
ClientSampled :
327

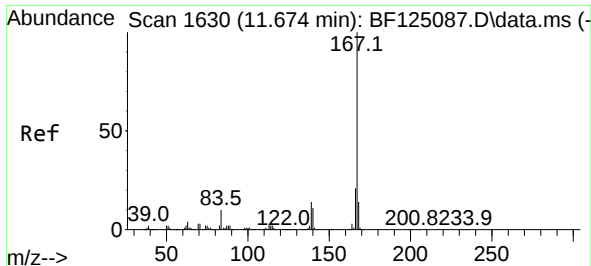
Tgt Ion:178 Resp: 816615
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 17.5 11.5 17.3#



#72
Anthracene
Concen: 46.122 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.035 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:178 Resp: 816615
Ion Ratio Lower Upper
178 100
176 19.7 14.3 21.5
179 17.5 12.2 18.4

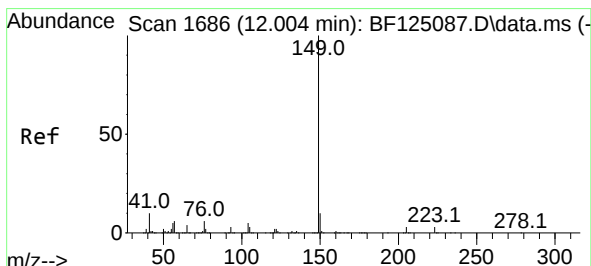
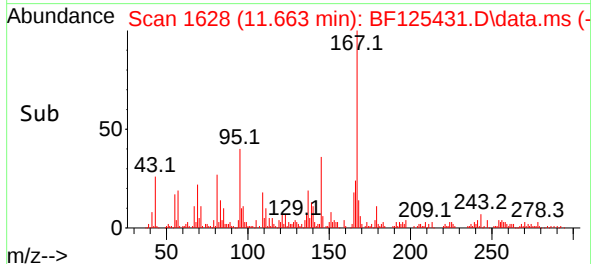
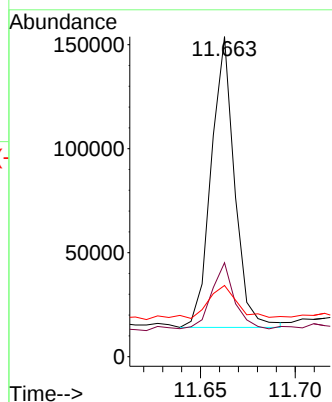
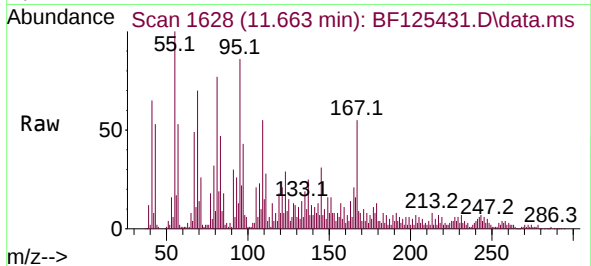




#73
 Carbazole
 Concen: 7.407 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. 0.012 min
 Lab File: BF125431.D
 Acq: 10 Sep 2021 19:05

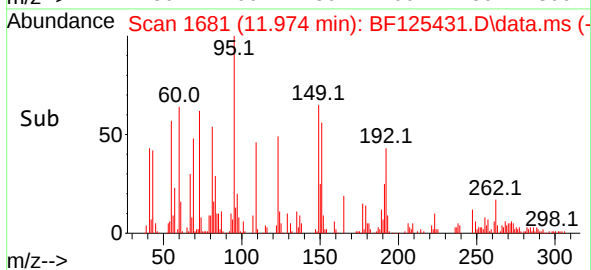
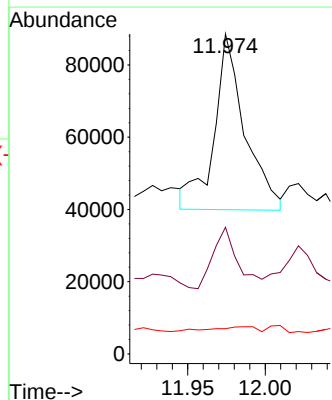
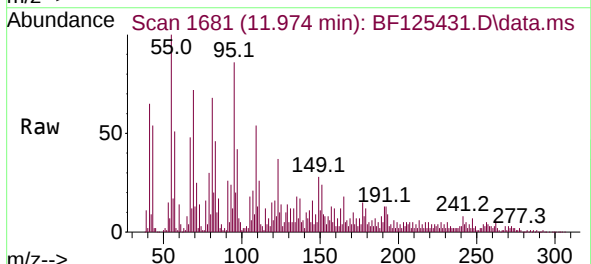
Instrument :
 BNA_F
 ClientSampleId :
 327

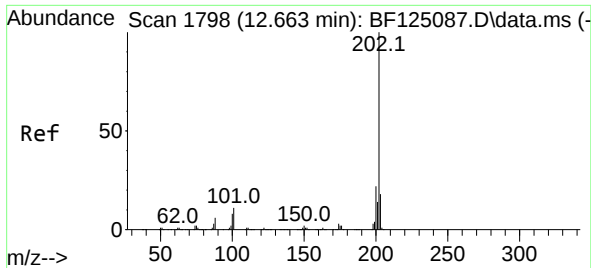
Tgt Ion:167 Resp: 119839
 Ion Ratio Lower Upper
 167 100
 166 29.3 17.4 26.0#
 139 22.3 11.0 16.4#



#74
 Di-n-butylphthalate
 Concen: 3.482 ng
 RT: 11.974 min Scan# 1681
 Delta R.T. 0.000 min
 Lab File: BF125431.D
 Acq: 10 Sep 2021 19:05

Tgt Ion:149 Resp: 66862
 Ion Ratio Lower Upper
 149 100
 150 39.6 7.4 11.2#
 104 7.9 4.1 6.1#

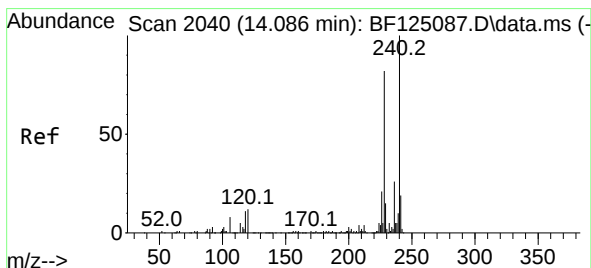
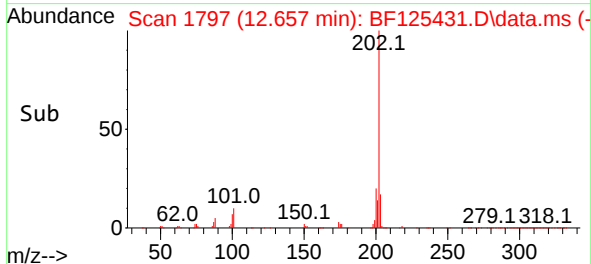
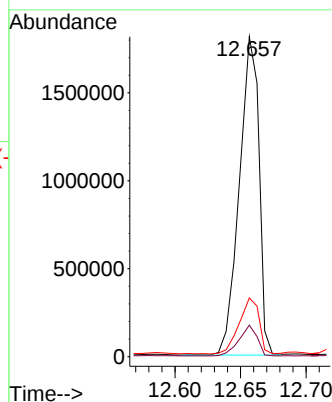
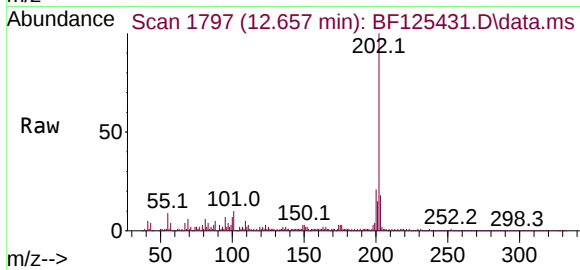




#75
Fluoranthene
Concen: 106.222 ng
RT: 12.657 min Scan# 1797
Delta R.T. 0.024 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

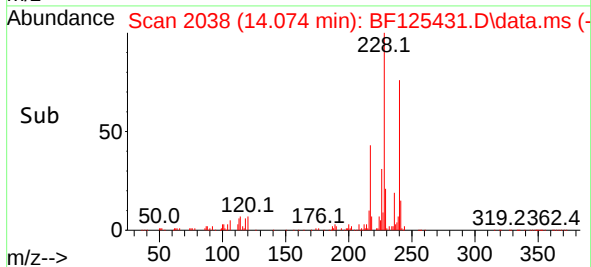
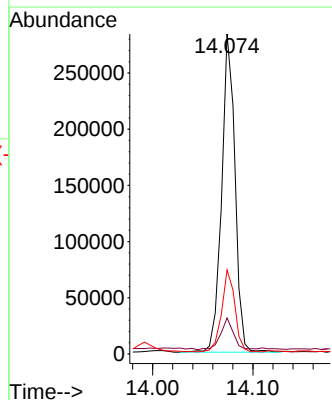
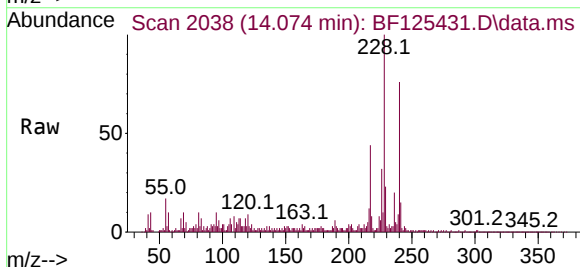
Instrument :
BNA_F
ClientSampled :
327

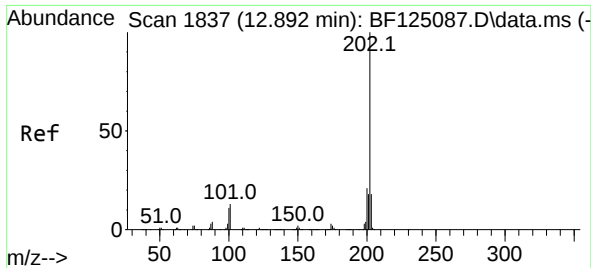
Tgt Ion:202 Resp: 1893278
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 18.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.012 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:240 Resp: 262636
Ion Ratio Lower Upper
240 100
120 11.2 10.8 16.2
236 26.3 21.6 32.4



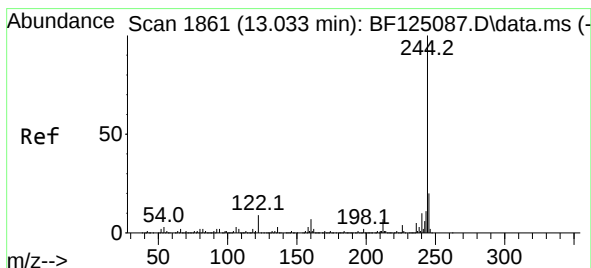
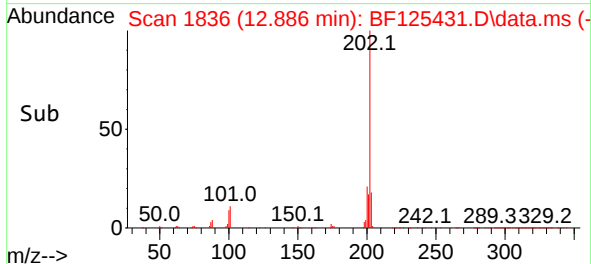
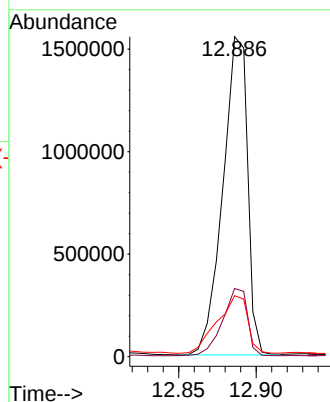
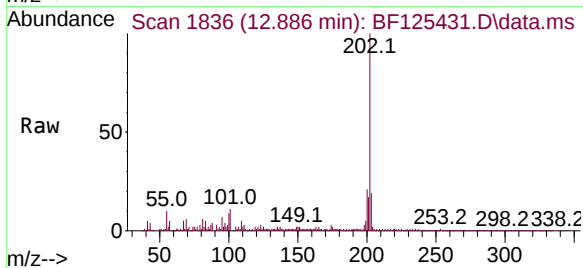


#78
 Pyrene
 Concen: 76.626 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. 0.024 min
 Lab File: BF125431.D
 Acq: 10 Sep 2021 19:05

Instrument :
 BNA_F
 ClientSampleId :
 327

Tgt Ion:202 Resp: 1726298

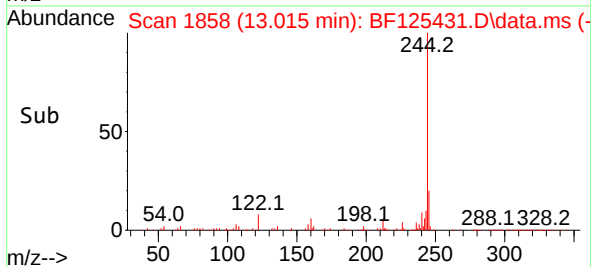
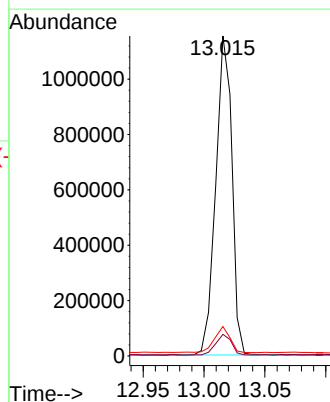
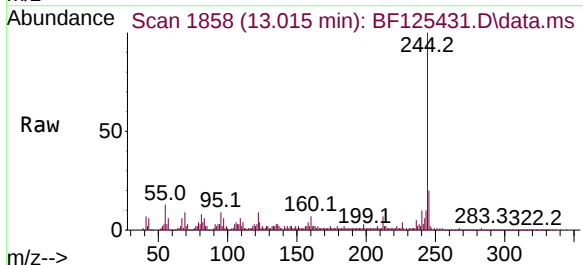
Ion	Ratio	Lower	Upper
202	100		
200	21.3	15.3	22.9
203	19.1	13.4	20.0

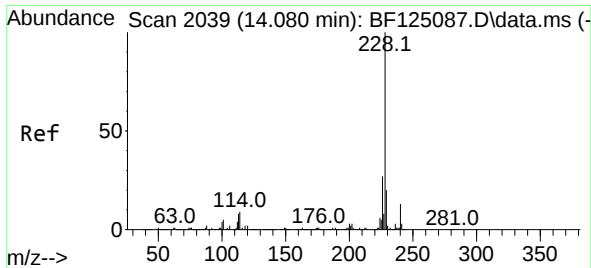


#79
 Terphenyl-d14
 Concen: 64.848 ng
 RT: 13.015 min Scan# 1858
 Delta R.T. 0.012 min
 Lab File: BF125431.D
 Acq: 10 Sep 2021 19:05

Tgt Ion:244 Resp: 1069081

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	9.2	9.0	13.4

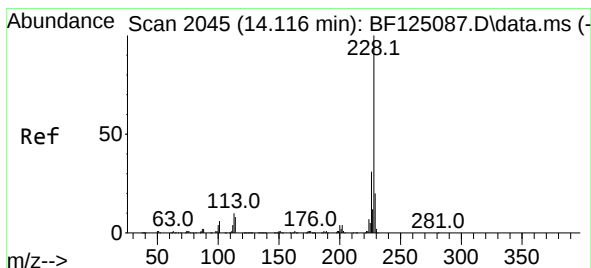
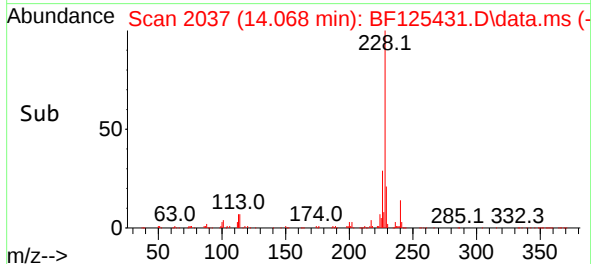
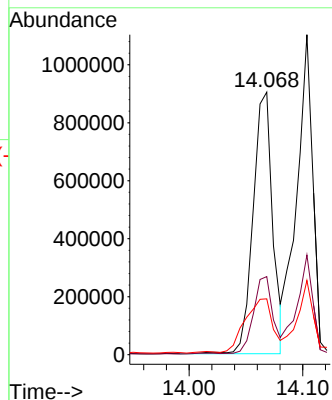
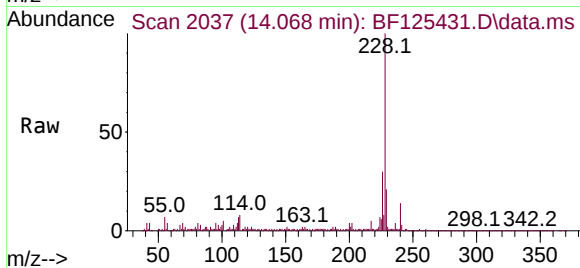




#81
Benzo(a)anthracene
Concen: 56.816 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.018 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

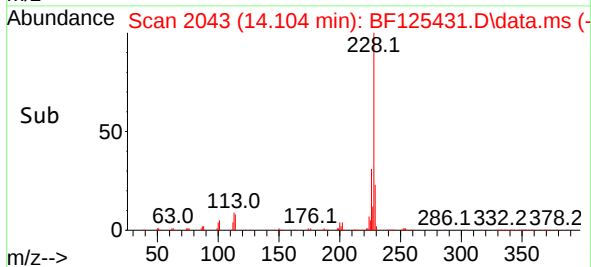
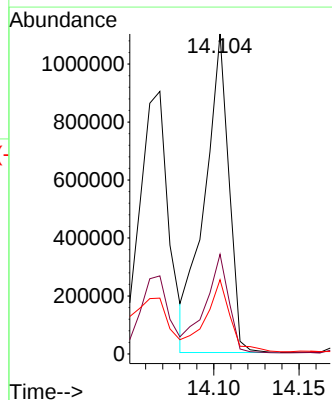
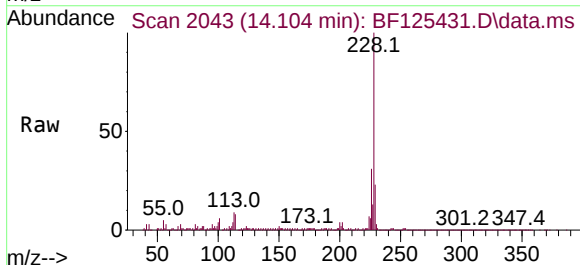
Instrument :
BNA_F
ClientSampled :
327

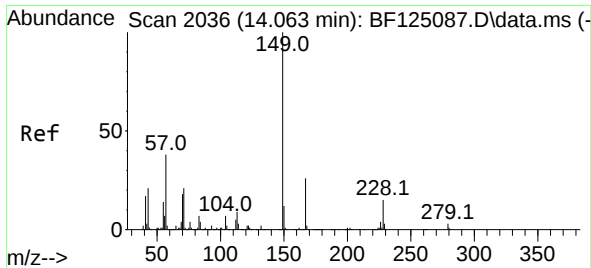
Tgt Ion:228 Resp: 1075149
Ion Ratio Lower Upper
228 100
226 29.7 21.6 32.4
229 21.3 15.6 23.4



#83
Chrysene
Concen: 58.009 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.018 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:228 Resp: 1085588
Ion Ratio Lower Upper
228 100
226 31.2 22.6 34.0
229 23.2 15.9 23.9

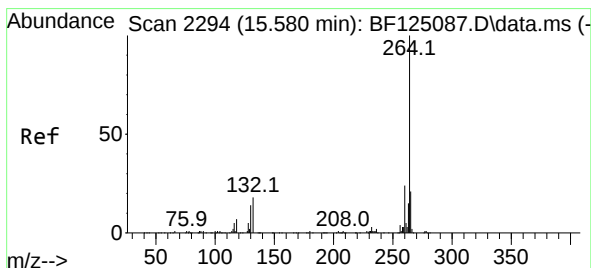
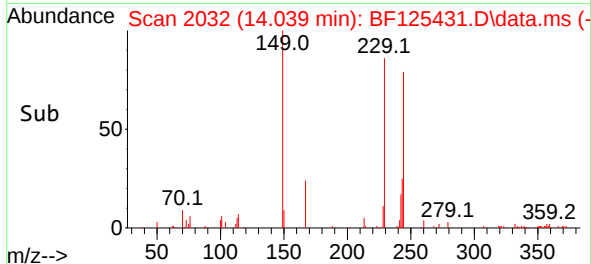
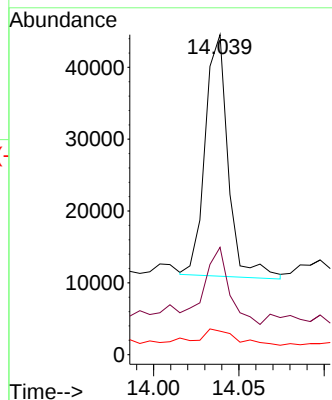
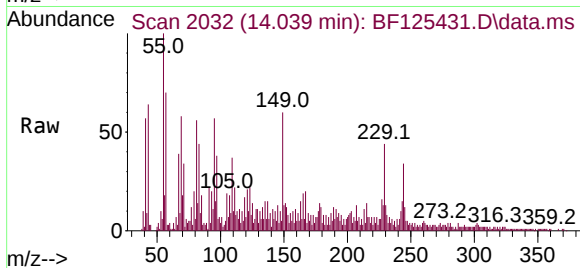




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.589 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

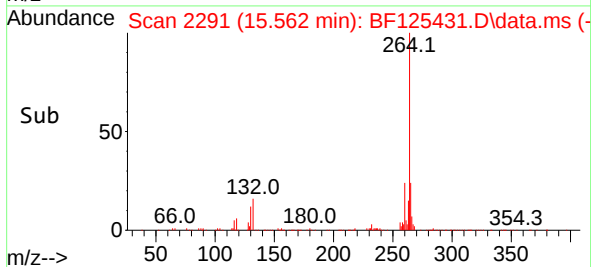
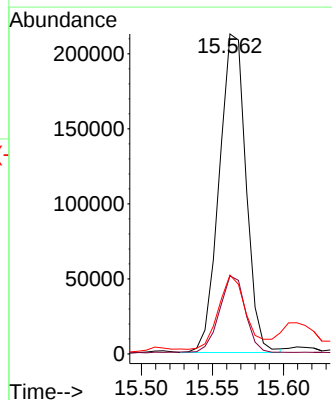
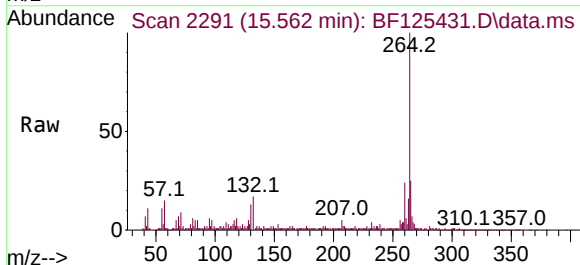
Instrument :
BNA_F
ClientSampleId :
327

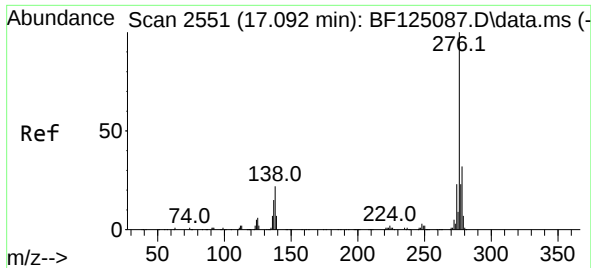
Tgt Ion:149 Resp: 31495
Ion Ratio Lower Upper
149 100
167 33.6 21.4 32.0#
279 7.3 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.018 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:264 Resp: 278698
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 24.6 17.2 25.8

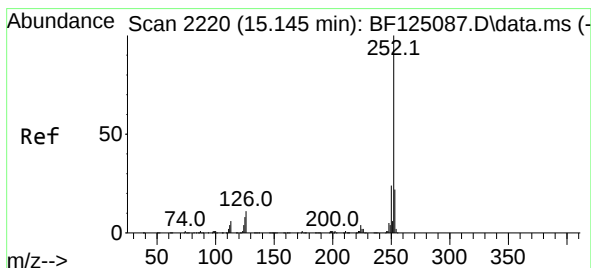
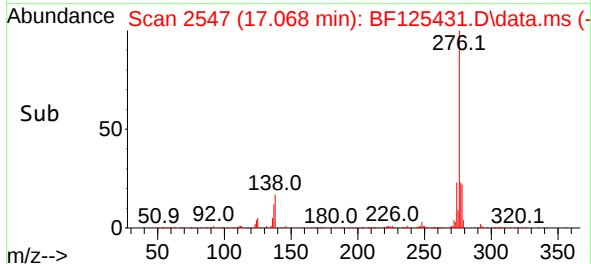
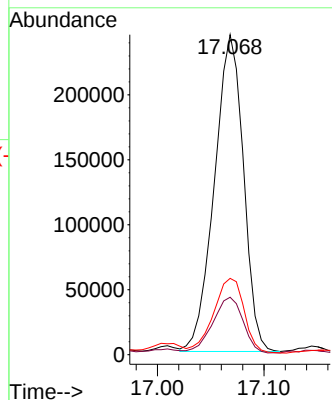
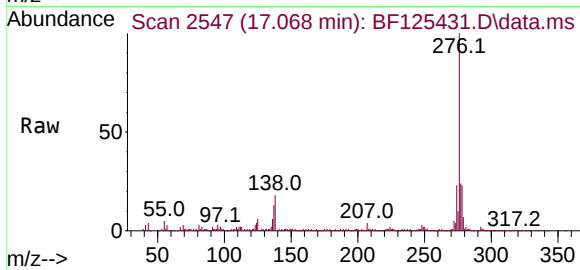




#87
Indeno(1,2,3-cd)pyrene
Concen: 23.030 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.018 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

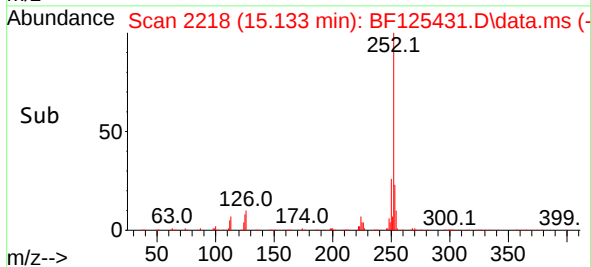
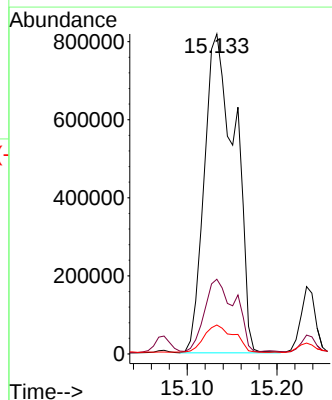
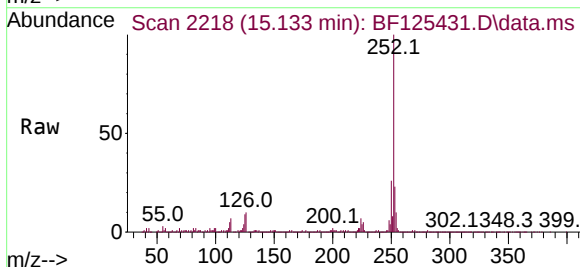
Instrument :
BNA_F
ClientSampled :
327

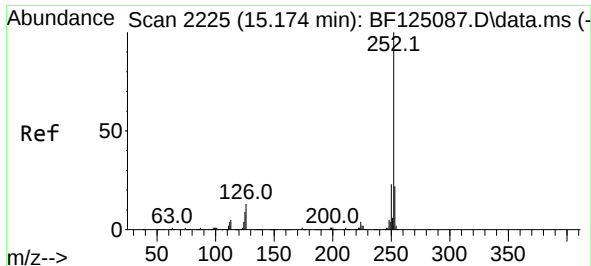
Tgt Ion:276 Resp: 462402
Ion Ratio Lower Upper
276 100
138 18.3 24.1 36.1#
277 24.8 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 95.647 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.024 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:252 Resp: 1947481
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 9.1 9.8 14.8#

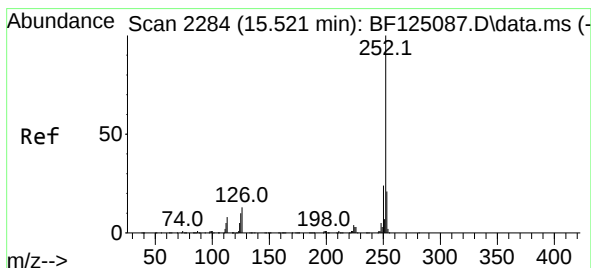
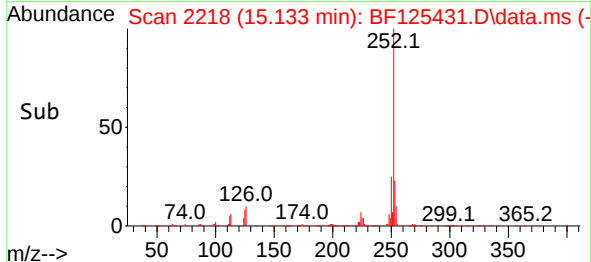
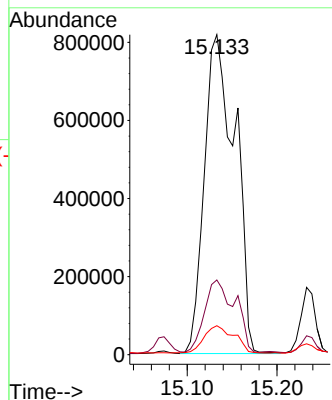
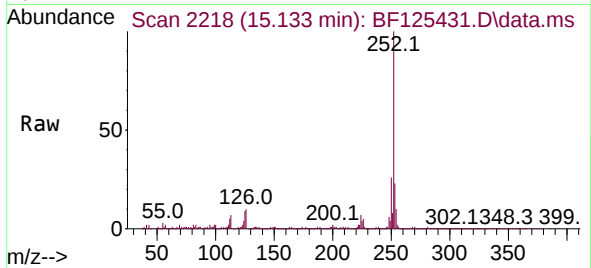




#89
Benzo(k)fluoranthene
Concen: 102.499 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.012 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

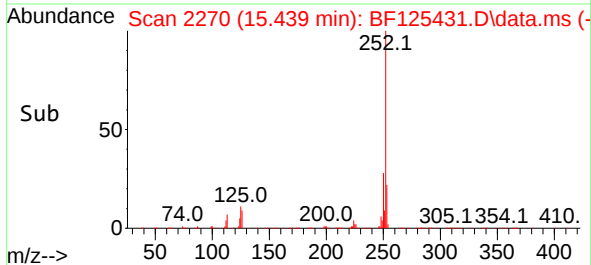
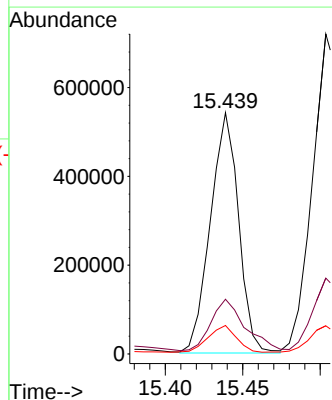
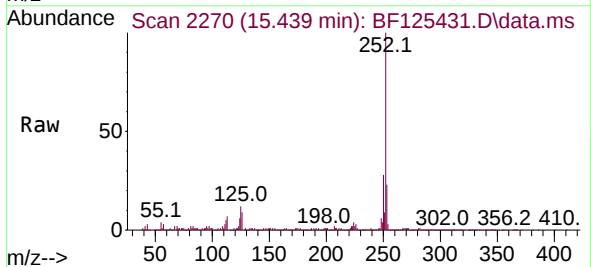
Instrument :
BNA_F
ClientSampled :
327

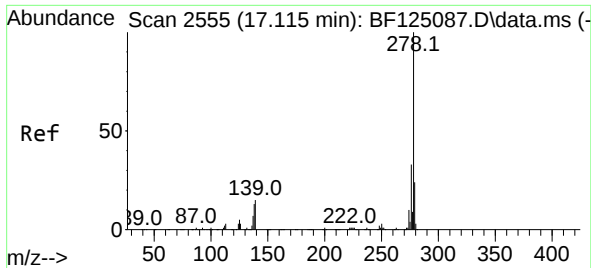
Tgt Ion:252 Resp: 1947481
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 38.137 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.047 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:252 Resp: 685917
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 11.8 9.9 14.9

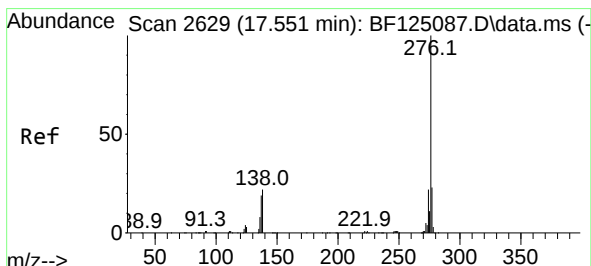
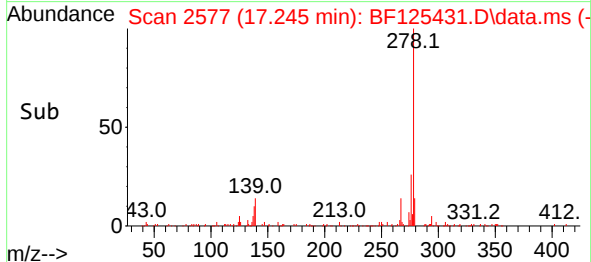
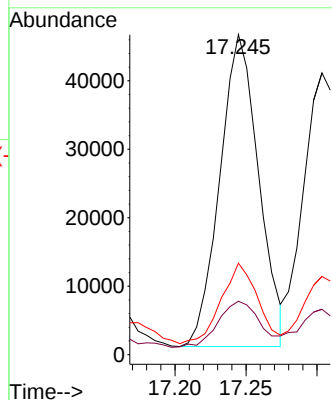
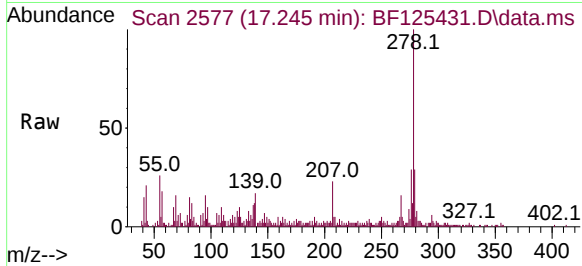




#91
Dibenzo(a,h)anthracene
Concen: 4.997 ng
RT: 17.245 min Scan# 2577
Delta R.T. 0.176 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Instrument :
BNA_F
ClientSampleId :
327

Tgt Ion:278 Resp: 86729
Ion Ratio Lower Upper
278 100
139 16.7 14.9 22.3
279 28.6 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 24.630 ng
RT: 17.527 min Scan# 2625
Delta R.T. 0.018 min
Lab File: BF125431.D
Acq: 10 Sep 2021 19:05

Tgt Ion:276 Resp: 412159
Ion Ratio Lower Upper
276 100
277 23.6 22.0 33.0
138 17.7 22.2 33.4#

