

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091321\
 Data File : BF125464.D
 Acq On : 14 Sep 2021 2:09
 Operator : JU/CG
 Sample : M3718-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091021

Quant Time: Sep 14 03:33:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 13 12:03:46 2021
 Response via : Initial Calibration

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

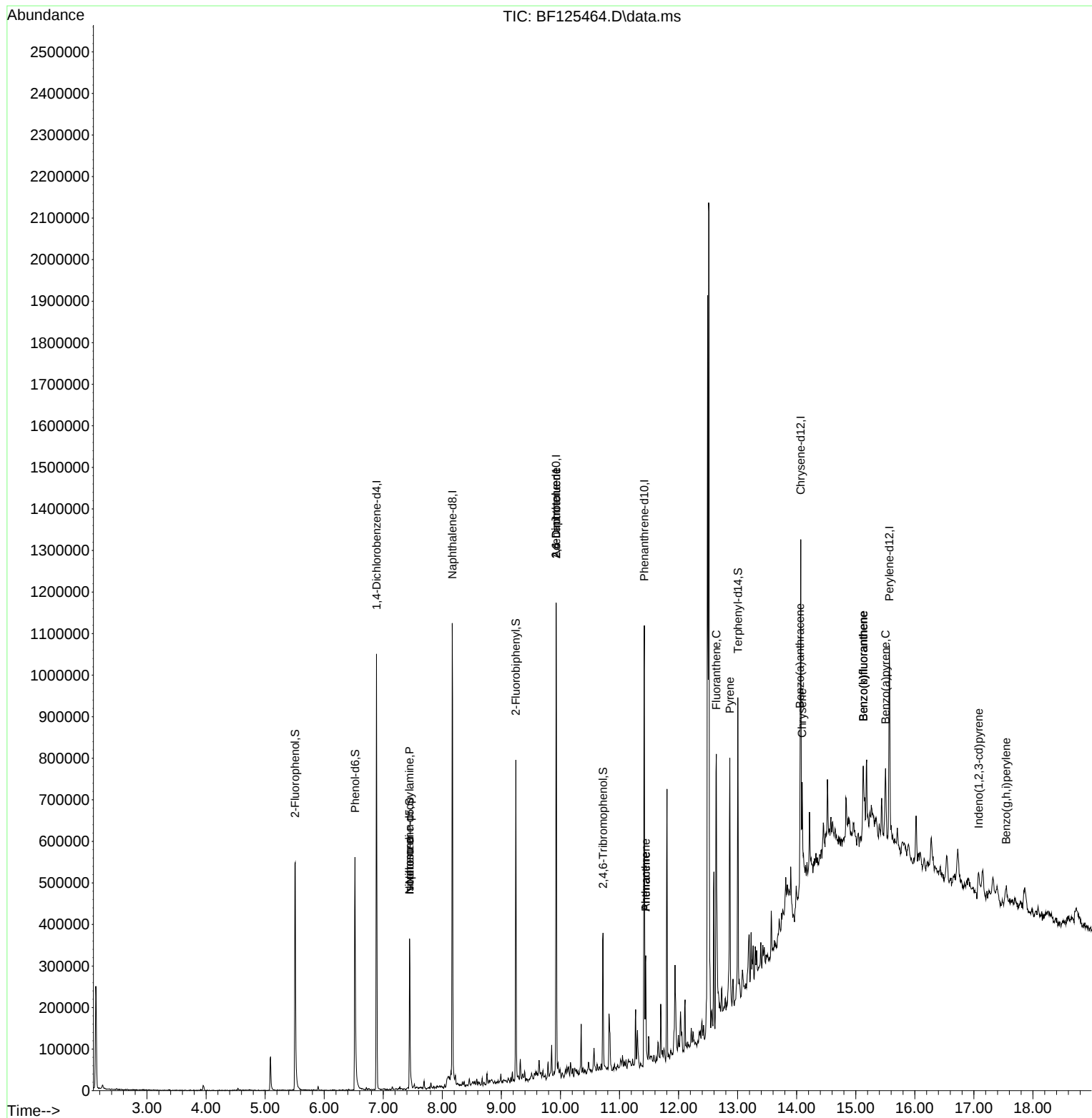
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	141287	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	486529	20.000	ng	# 0.00
39) Acenaphthene-d10	9.927	164	224846	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	400237	20.000	ng	0.00
76) Chrysene-d12	14.068	240	246703	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	190770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	176306	18.888	ng	0.00
7) Phenol-d6	6.522	99	216633	17.944	ng	-0.01
23) Nitrobenzene-d5	7.445	82	119566	12.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	44175	19.682	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	221566	13.734	ng	0.00
79) Terphenyl-d14	13.004	244	227248	14.675	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	16233	2.236	ng	# 58
25) Isophorone	7.445	82	119565	6.413	ng	# 59
51) 2,6-Dinitrotoluene	9.927	165	30249	8.953	ng	# 28
57) 2,4-Dinitrotoluene	9.927	165	30249	7.397	ng	# 20
71) Phenanthrene	11.445	178	95177	4.316	ng	98
72) Anthracene	11.445	178	95177	4.379	ng	98
75) Fluoranthene	12.639	202	226244	10.339	ng	98
78) Pyrene	12.868	202	213504	10.089	ng	98
81) Benzo(a)anthracene	14.057	228	96807	5.446	ng	96
83) Chrysene	14.092	228	90506	5.149	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	35639	2.593	ng	# 88
88) Benzo(b)fluoranthene	15.127	252	121613	8.726	ng	# 92
89) Benzo(k)fluoranthene	15.127	252	121613	9.351	ng	# 91
90) Benzo(a)pyrene	15.504	252	63226	5.136	ng	# 94
92) Benzo(g,h,i)perylene	17.545	276	37294	3.256	ng	96

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

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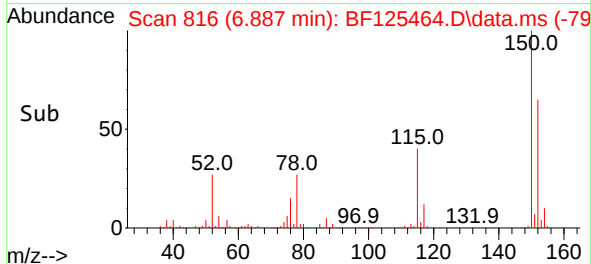
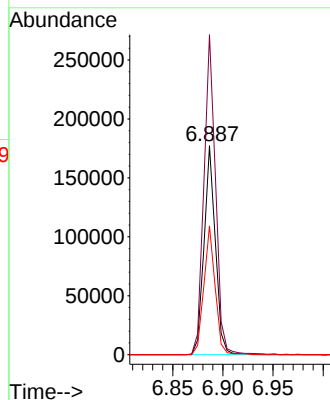
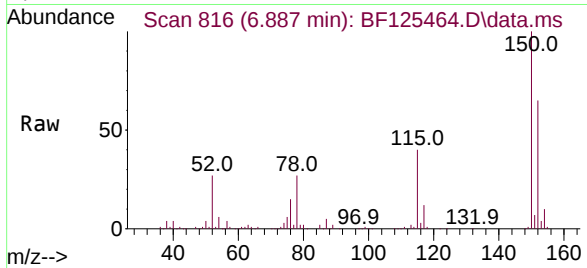




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

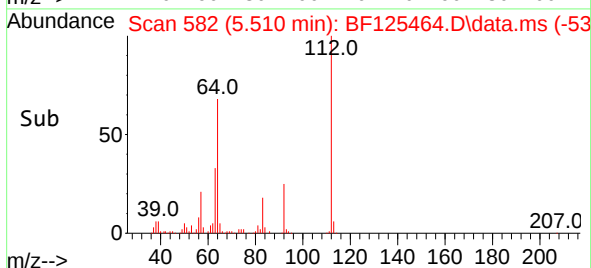
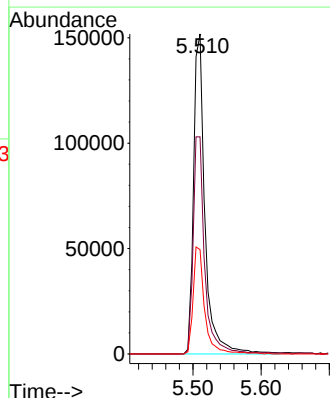
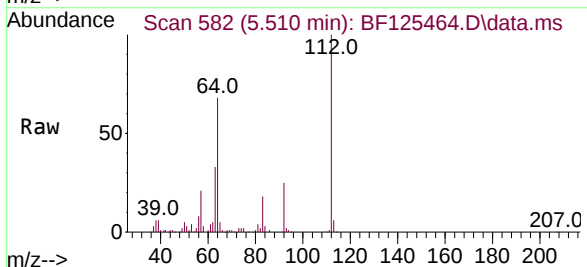
Instrument :
BNA_F
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OR-03-091021

Tgt Ion:152 Resp: 141287
Ion Ratio Lower Upper
152 100
150 153.1 117.6 176.4
115 61.6 47.1 70.7



#5
2-Fluorophenol
Concen: 18.888 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:112 Resp: 176306
Ion Ratio Lower Upper
112 100
64 67.8 44.2 66.2#
63 32.6 26.2 39.2

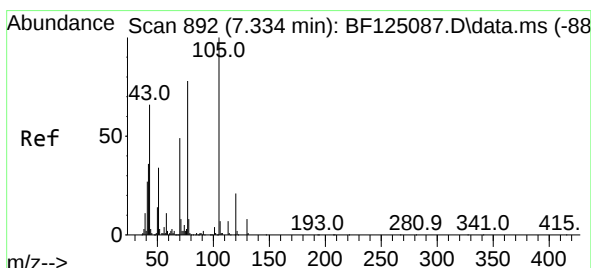
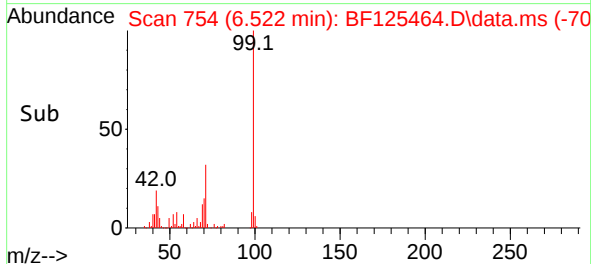
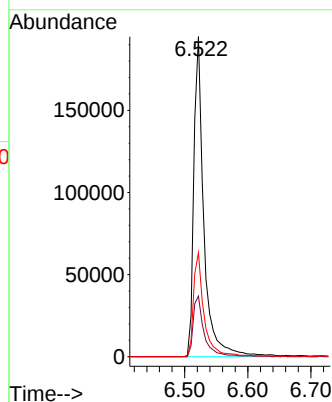
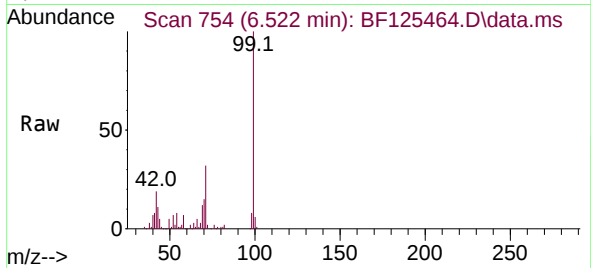




#7
Phenol-d6
Concen: 17.944 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

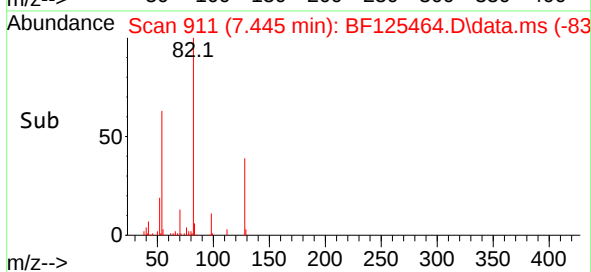
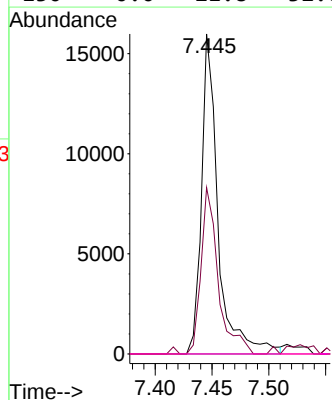
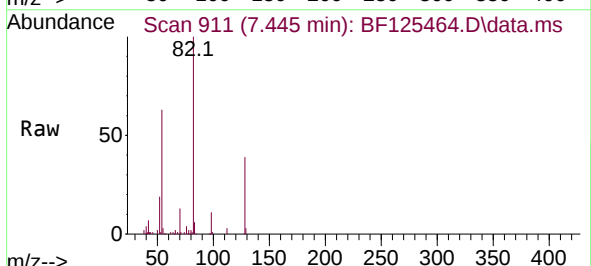
Instrument :
BNA_F
ClientSampleId :
OR-03-091021

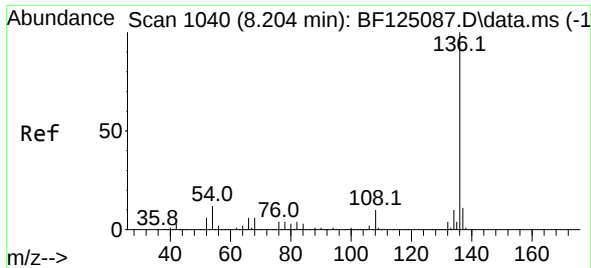
Tgt Ion: 99 Resp: 216633
Ion Ratio Lower Upper
99 100
42 18.9 23.5 35.3#
71 32.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.236 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion: 70 Resp: 16233
Ion Ratio Lower Upper
70 100
42 52.0 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#

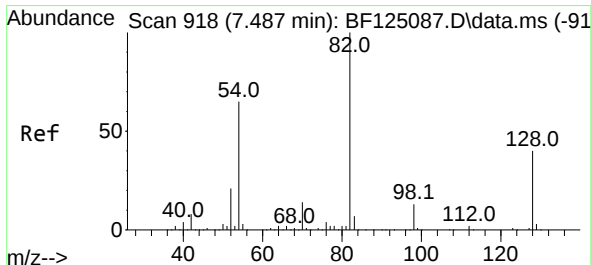
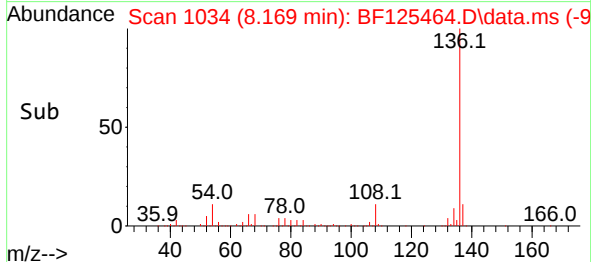
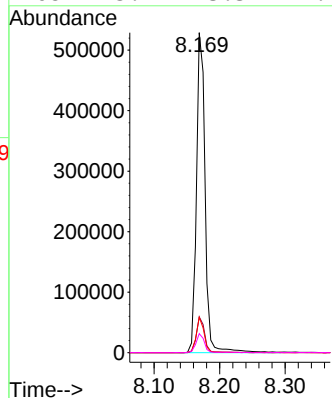
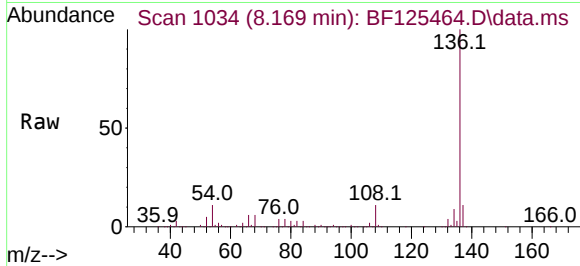




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

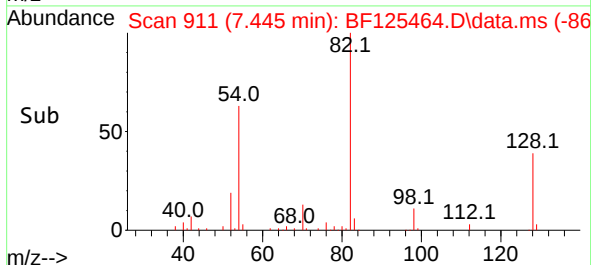
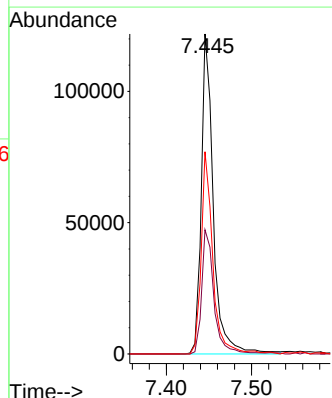
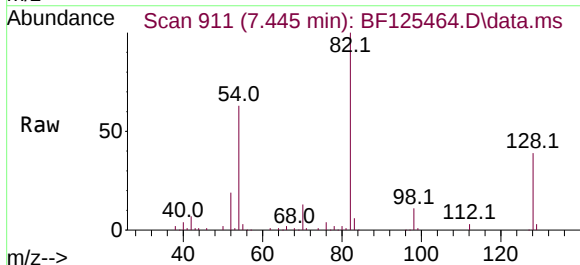
Instrument :
BNA_F
ClientSampleId :
OR-03-091021

Tgt Ion:	136	Resp:	486529
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.6
54	11.0	6.4	9.6#
68	5.9	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 12.372 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:	82	Resp:	119566
Ion	Ratio	Lower	Upper
82	100		
128	38.8	40.6	60.8#
54	63.2	49.6	74.4

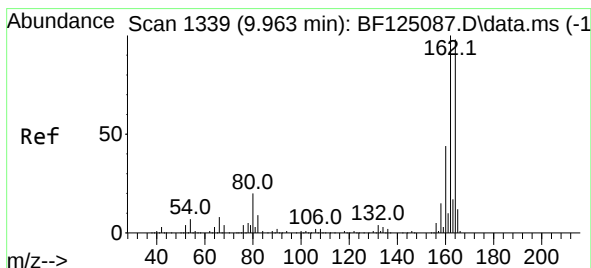
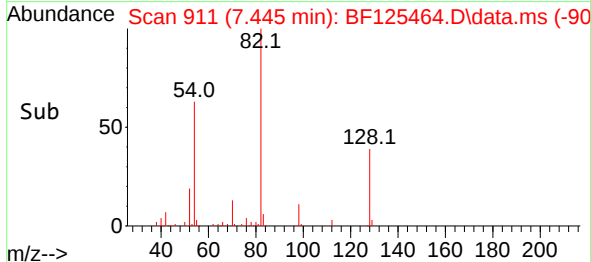
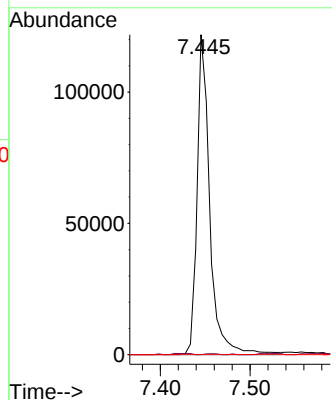
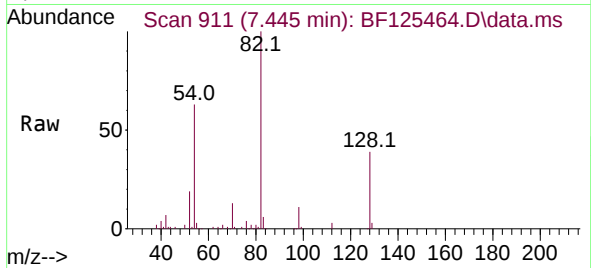




#25
Isophorone
Concen: 6.413 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.270 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

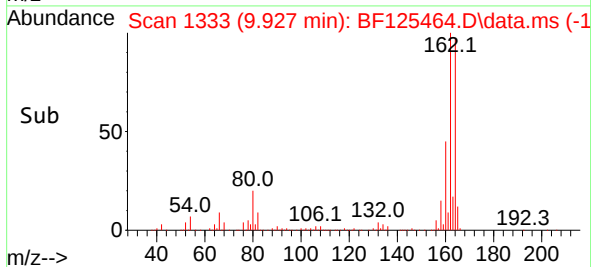
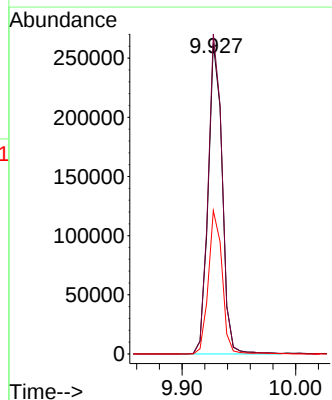
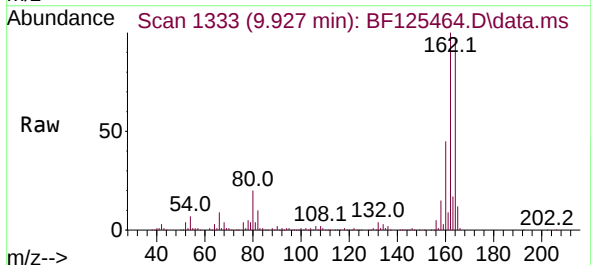
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ClientSampleId :
OR-03-091021

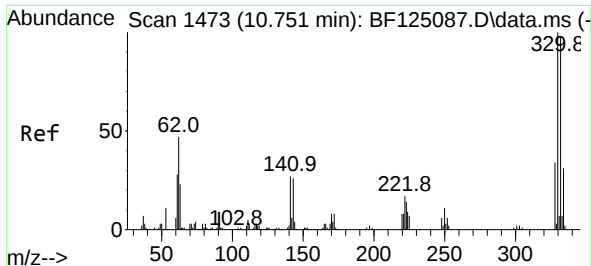
Tgt Ion: 82 Resp: 119565
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion: 164 Resp: 224846
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 46.1 38.0 57.0

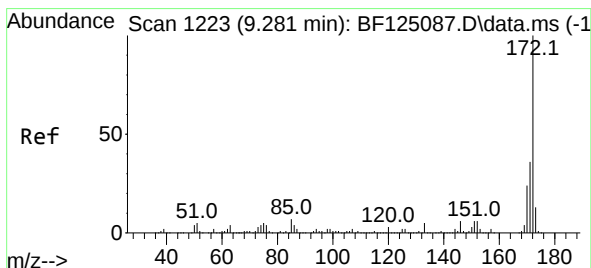
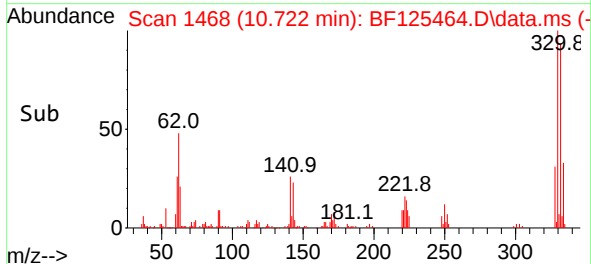
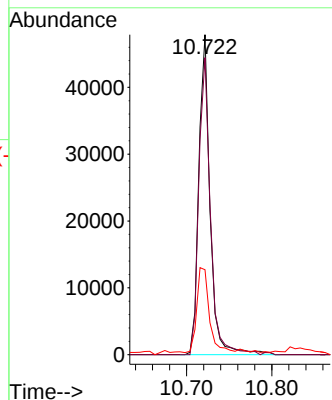
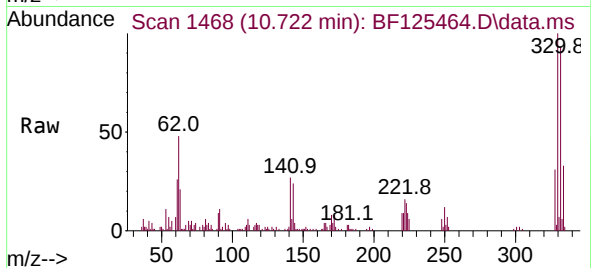




#42
2,4,6-Tribromophenol
Concen: 19.682 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

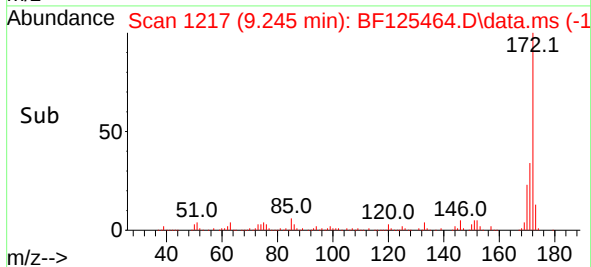
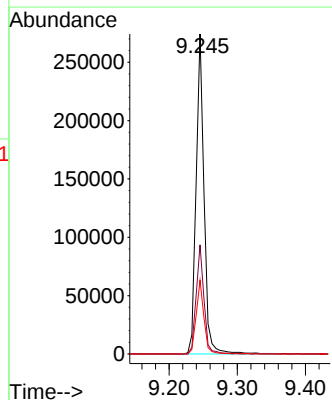
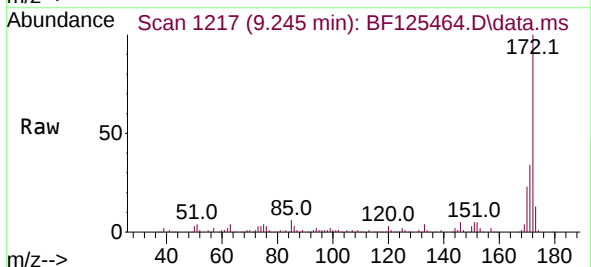
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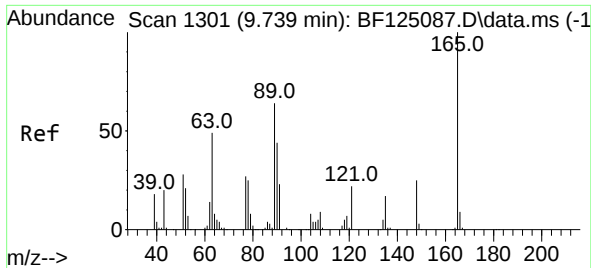
Tgt Ion: 330 Resp: 44175
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 29.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 13.734 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion: 172 Resp: 221566
Ion Ratio Lower Upper
172 100
171 34.1 26.5 39.7
170 23.0 18.8 28.2

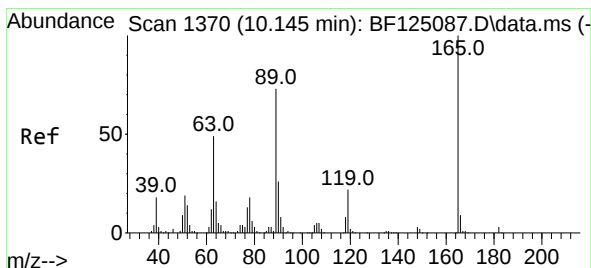
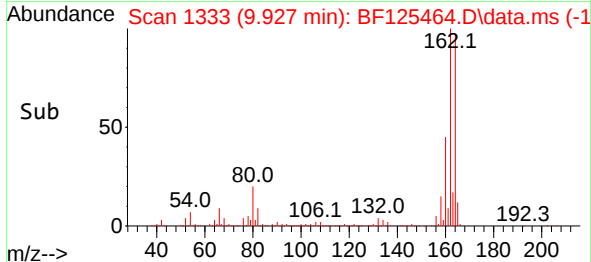
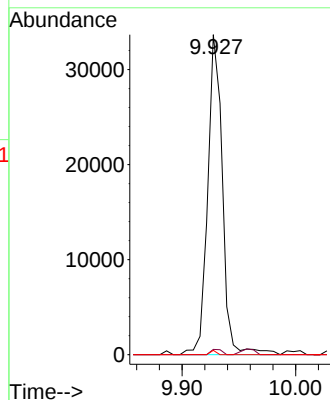
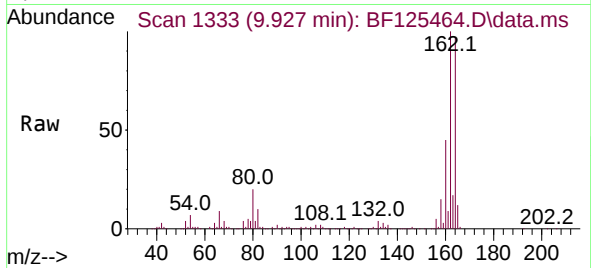




#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

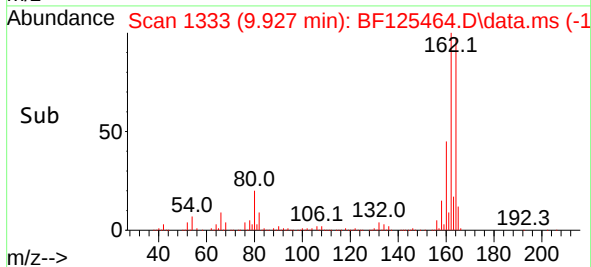
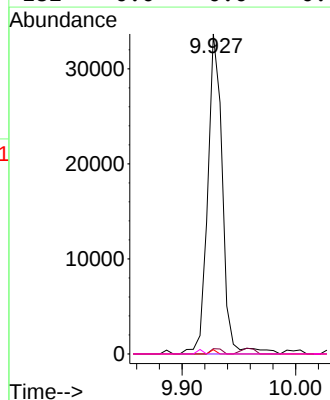
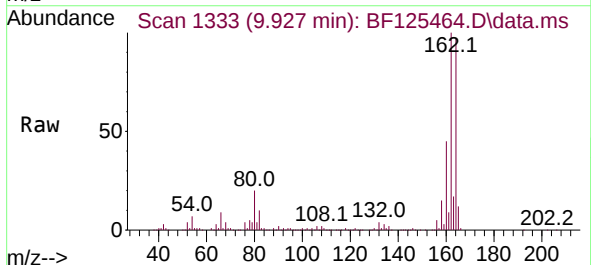
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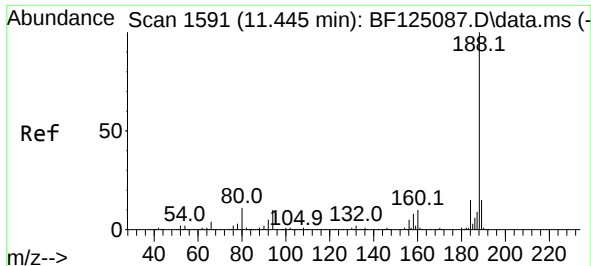
Tgt Ion:165 Resp: 30249
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 1.4 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.397 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.200 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:165 Resp: 30249
Ion Ratio Lower Upper
165 100
63 1.7 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0

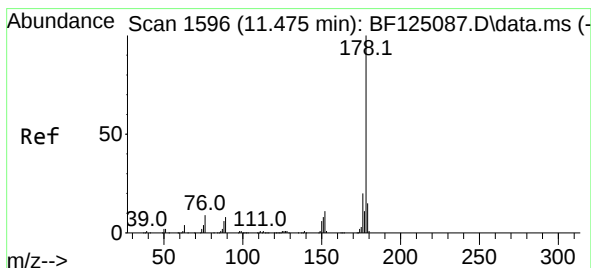
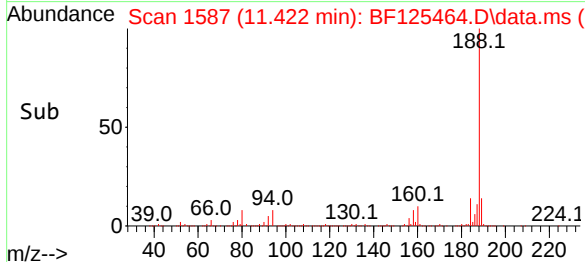
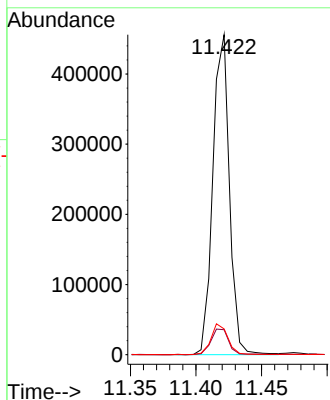
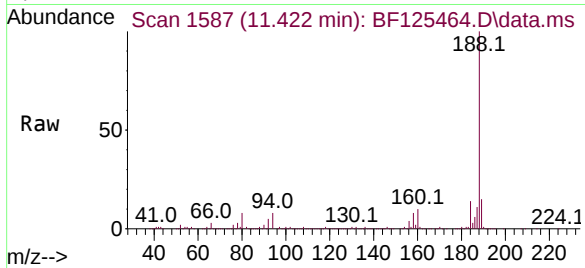




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

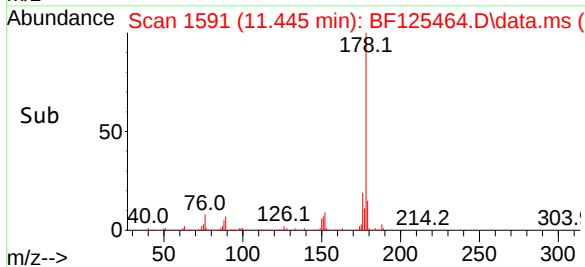
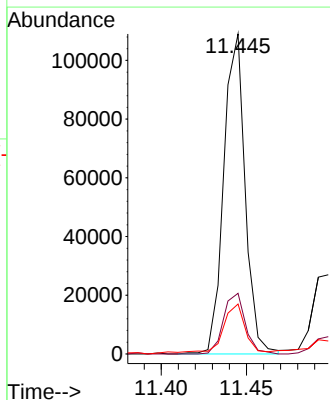
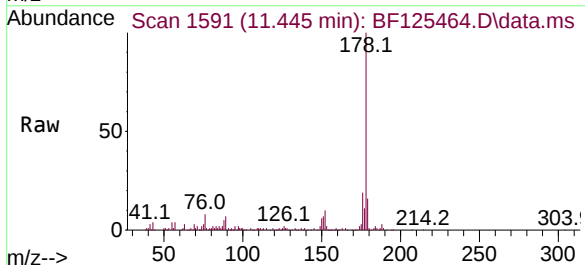
Instrument :
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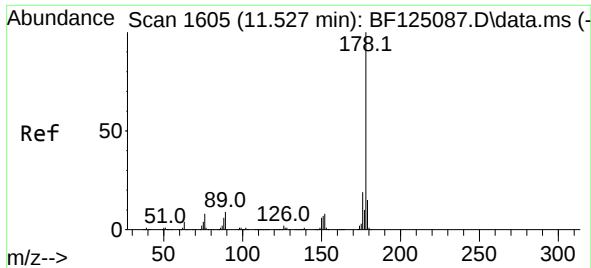
Tgt Ion:188 Resp: 400237
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.1 7.5 11.3



#71
Phenanthrene
Concen: 4.316 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:178 Resp: 95177
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.6 11.5 17.3

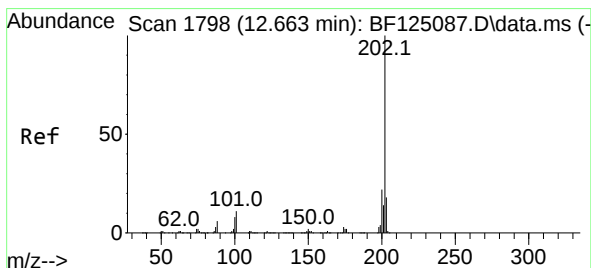
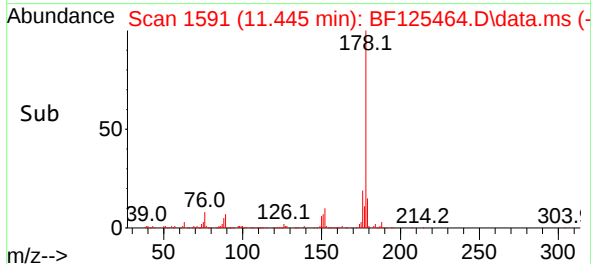
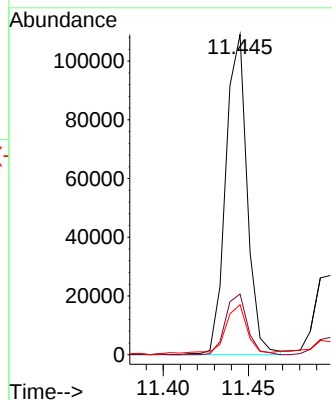
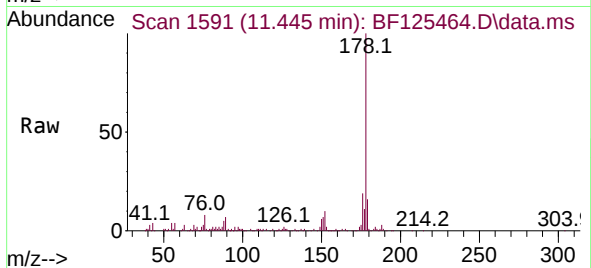




#72
 Anthracene
 Concen: 4.379 ng
 RT: 11.445 min Scan# 1591
 Delta R.T. -0.059 min
 Lab File: BF125464.D
 Acq: 14 Sep 2021 2:09

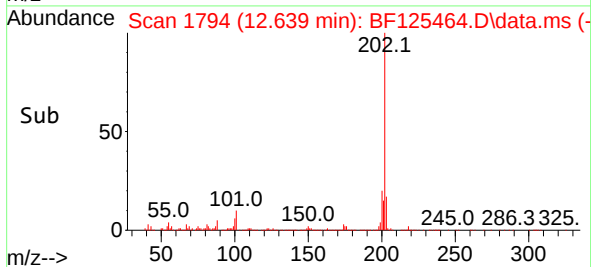
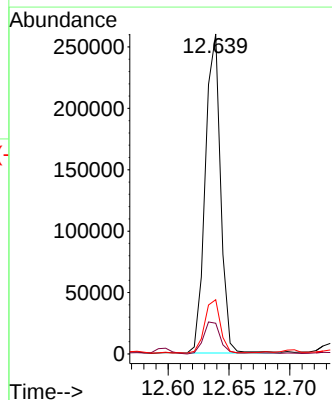
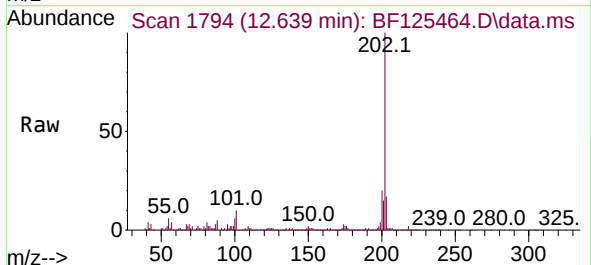
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091021

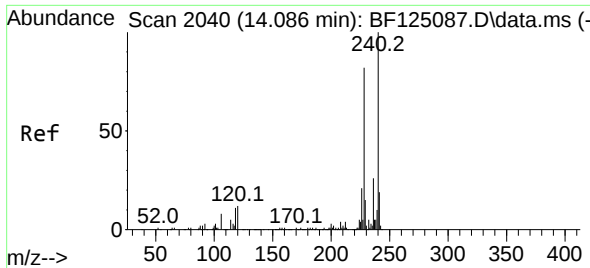
Tgt Ion:178 Resp: 95177
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.3 21.5
 179 15.6 12.2 18.4



#75
 Fluoranthene
 Concen: 10.339 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF125464.D
 Acq: 14 Sep 2021 2:09

Tgt Ion:202 Resp: 226244
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.7
 203 16.9 0.0 36.3

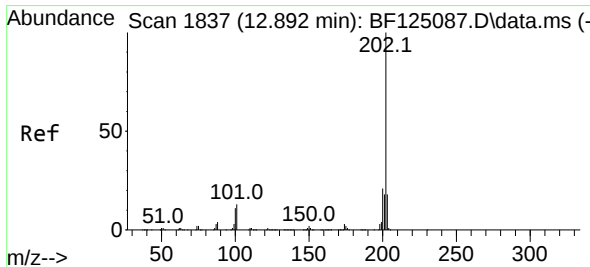
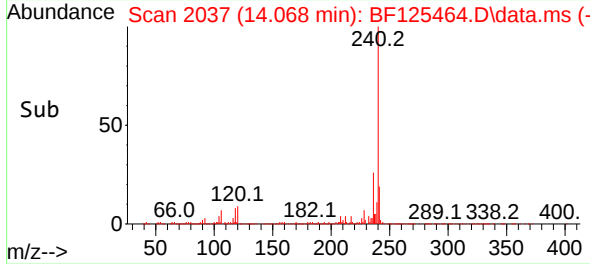
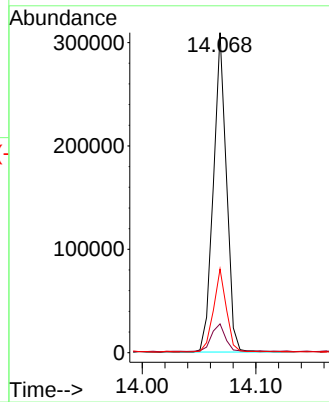
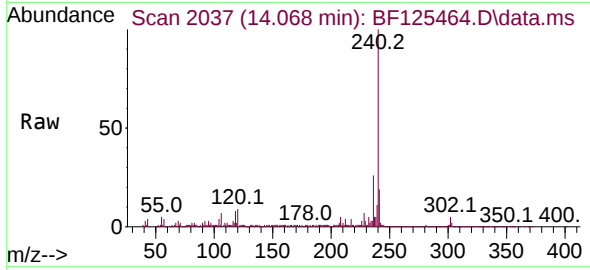




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

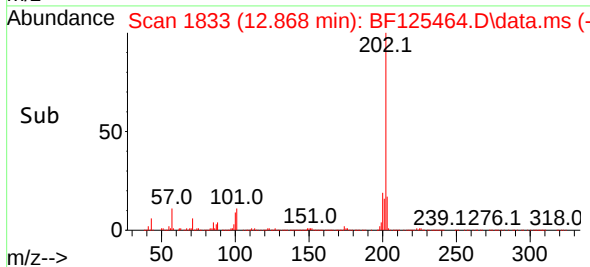
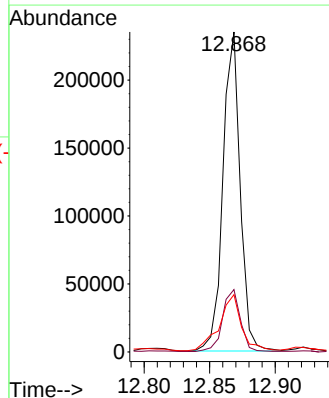
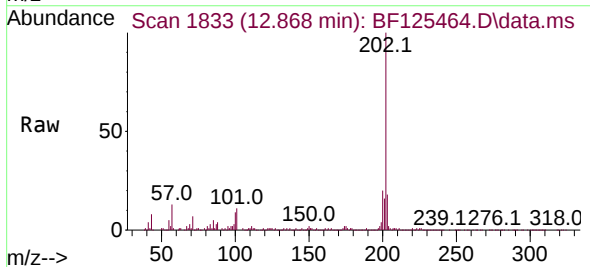
Instrument :
BNA_F
ClientSampleId :
OR-03-091021

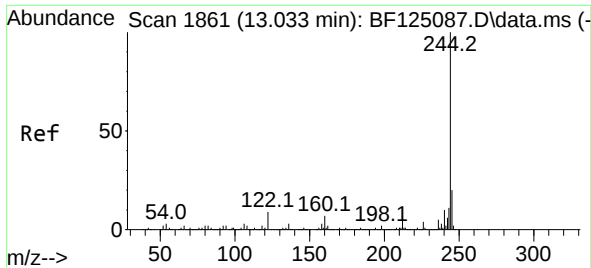
Tgt Ion:240 Resp: 246703
Ion Ratio Lower Upper
240 100
120 9.0 10.8 16.2#
236 26.1 21.6 32.4



#78
Pyrene
Concen: 10.089 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:202 Resp: 213504
Ion Ratio Lower Upper
202 100
200 19.5 15.3 22.9
203 17.9 13.4 20.0

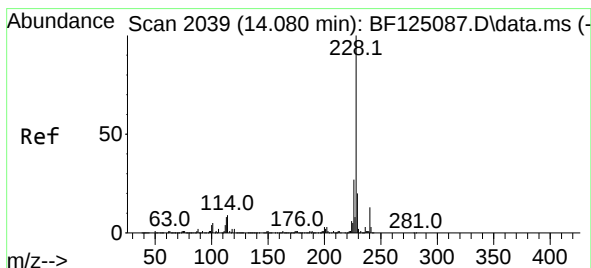
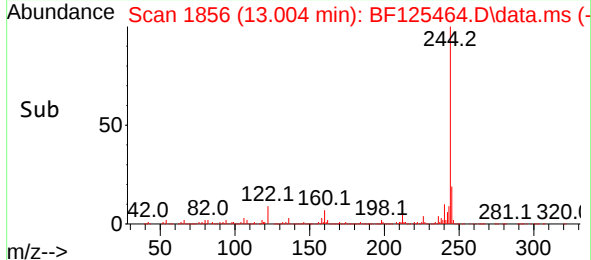
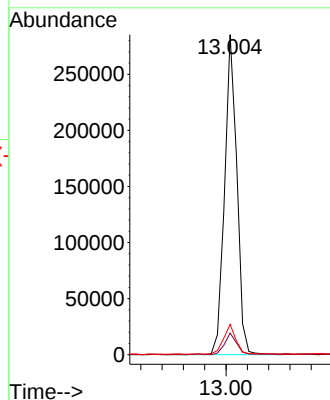
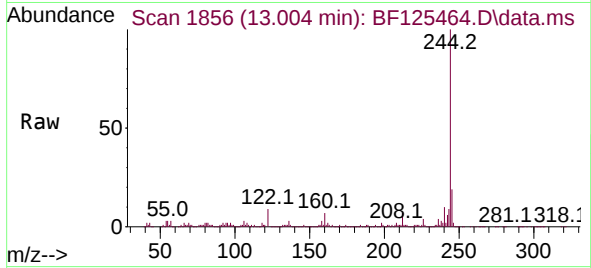




#79
Terphenyl-d14
Concen: 14.675 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

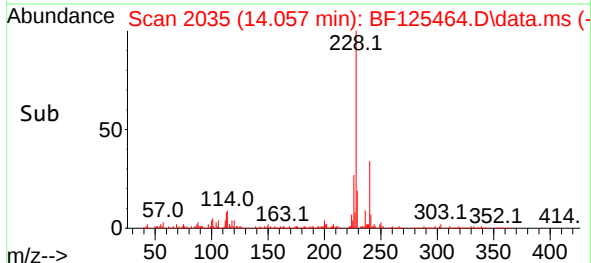
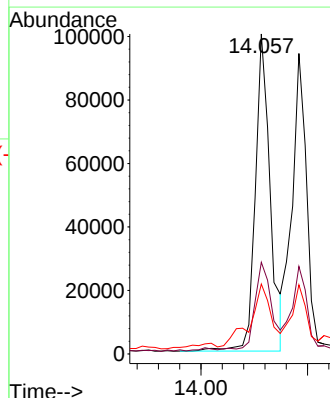
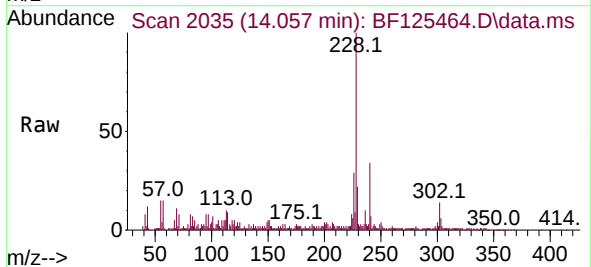
Instrument :
BNA_F
ClientSampleId :
OR-03-091021

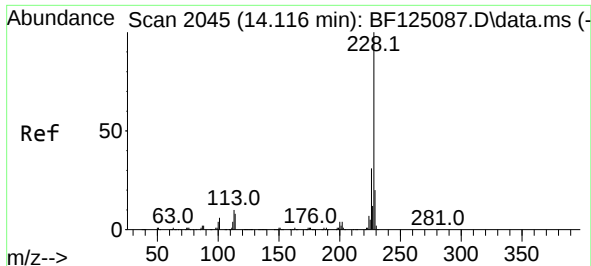
Tgt Ion:244 Resp: 227248
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 9.5 9.0 13.4



#81
Benzo(a)anthracene
Concen: 5.446 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:228 Resp: 96807
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.8 15.6 23.4

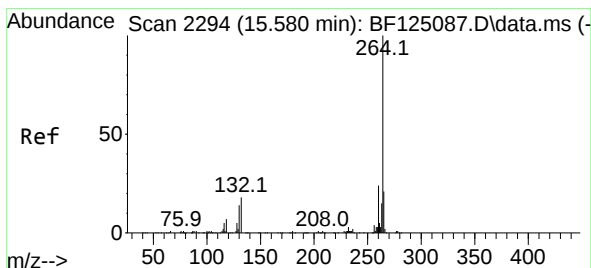
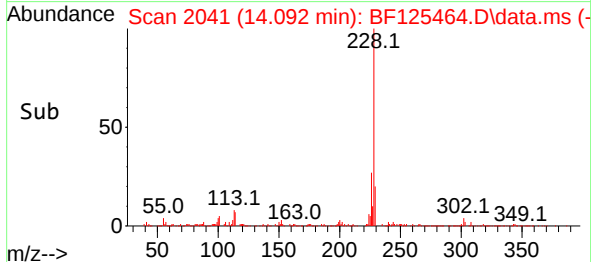
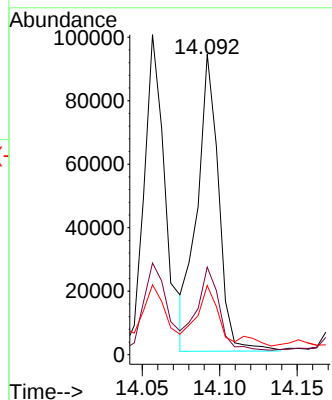
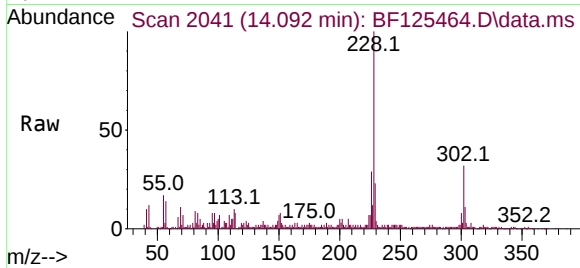




#83
Chrysene
Concen: 5.149 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

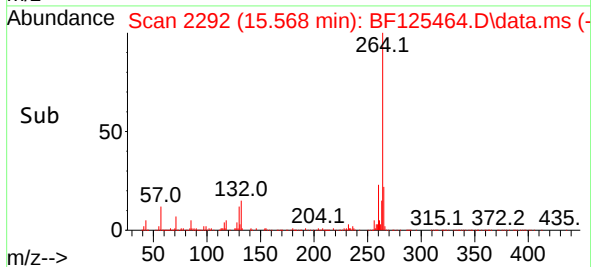
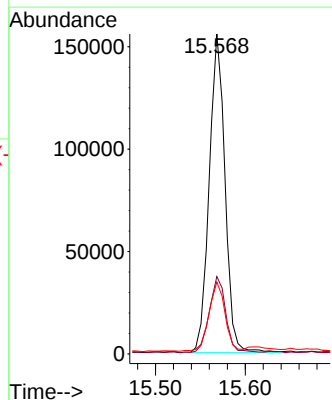
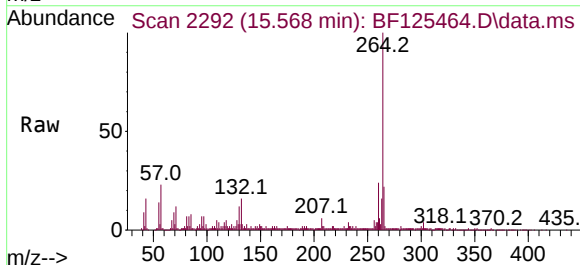
Instrument :
BNA_F
ClientSampleId :
OR-03-091021

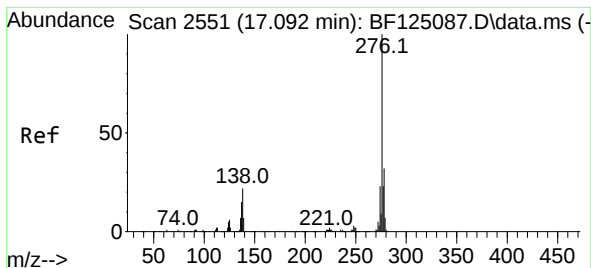
Tgt Ion:228	Resp:	90506
Ion Ratio	Lower	Upper
228	100	
226	29.1	22.6 34.0
229	23.0	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Tgt Ion:264	Resp:	190770
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.6 29.4
265	22.5	17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.593 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BF125464.D

Acq: 14 Sep 2021 2:09

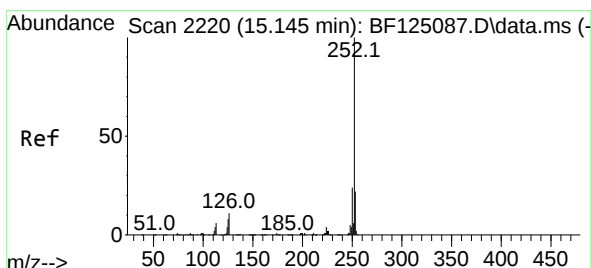
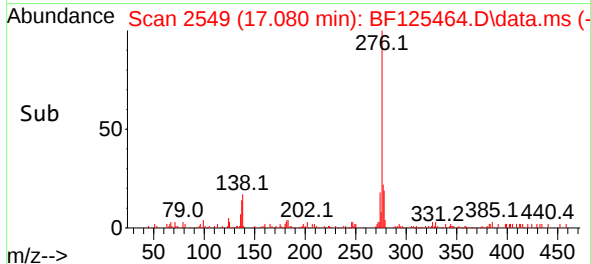
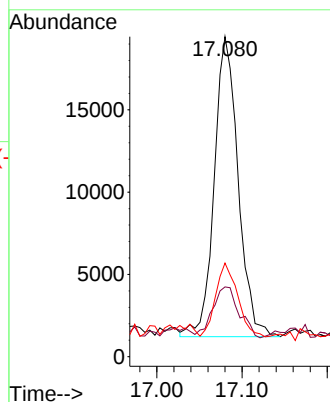
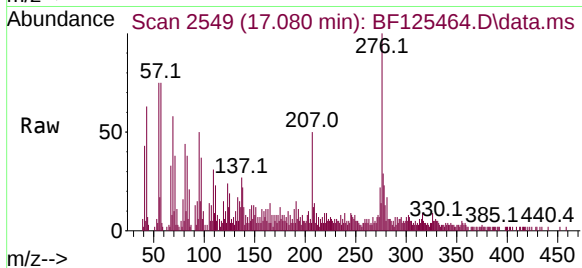
Instrument :

BNA_F

ClientSampleId :

OR-03-091021

Tgt Ion:	276	Resp:	35639
Ion Ratio	Lower	Upper	
276	100		
138	18.9	24.1	36.1#
277	22.9	18.8	28.2



#88

Benzo(b)fluoranthene

Concen: 8.726 ng

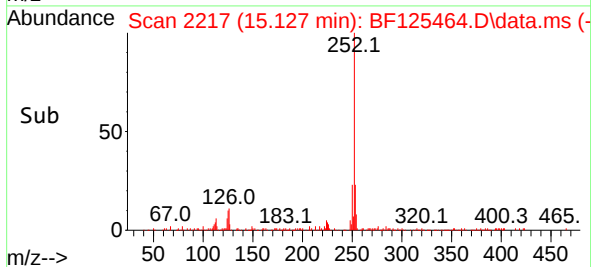
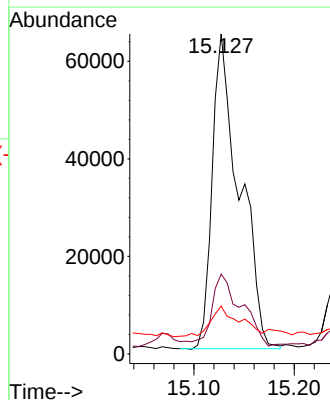
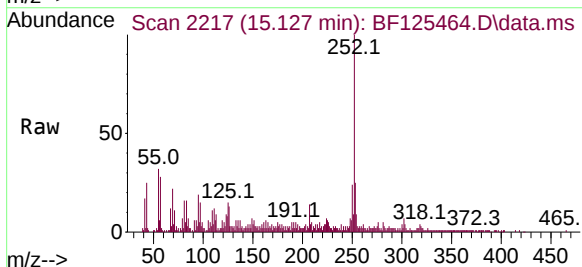
RT: 15.127 min Scan# 2217

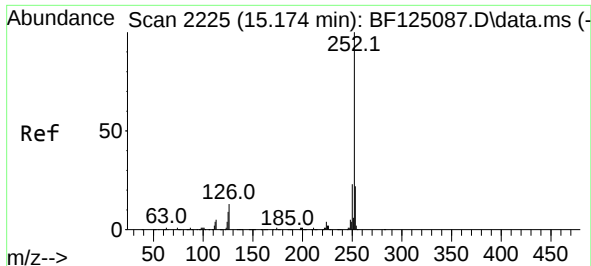
Delta R.T. 0.000 min

Lab File: BF125464.D

Acq: 14 Sep 2021 2:09

Tgt Ion:	252	Resp:	121613
Ion Ratio	Lower	Upper	
252	100		
253	25.0	16.8	25.2
125	14.9	9.8	14.8#

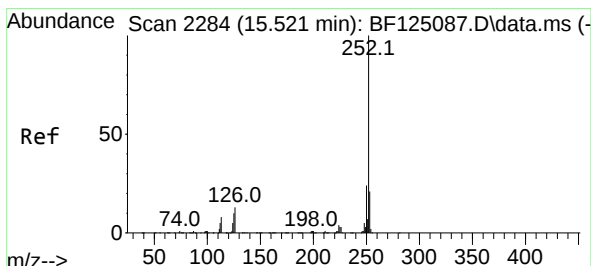
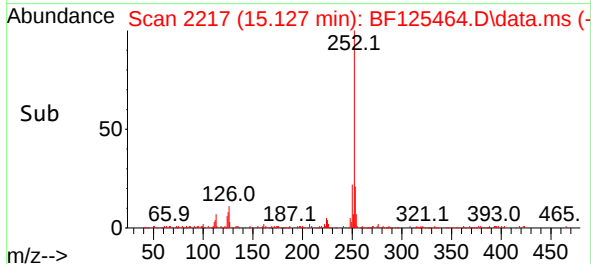
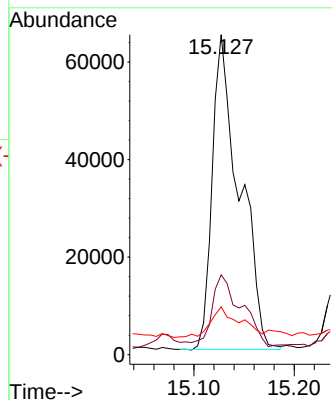
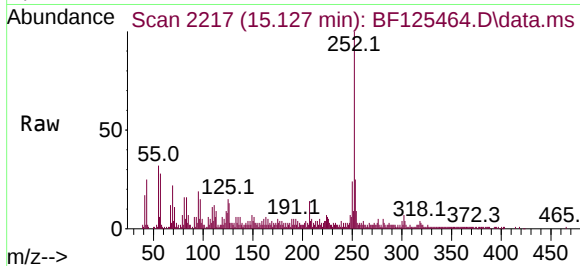




#89
Benzo(k)fluoranthene
Concen: 9.351 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.035 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

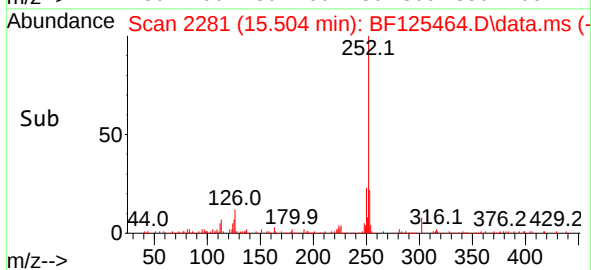
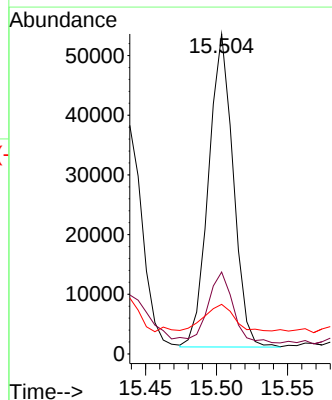
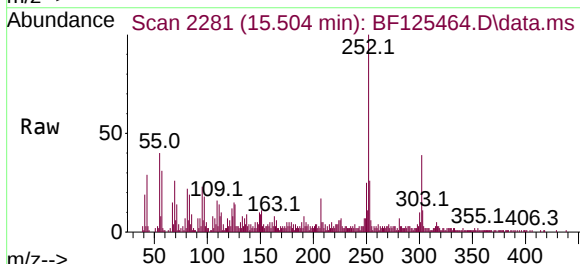
Instrument :
BNA_F
ClientSampleId :
OR-03-091021

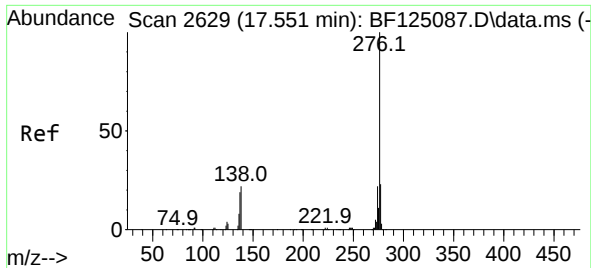
Tgt Ion:252 Resp: 121613
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 14.9 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 5.136 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

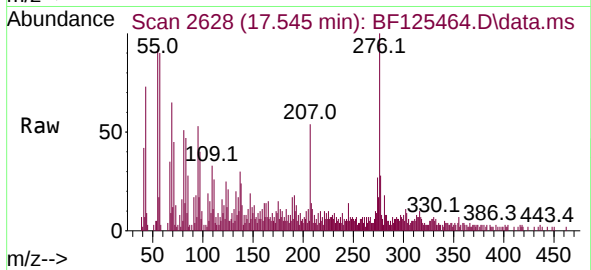
Tgt Ion:252 Resp: 63226
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 15.5 9.9 14.9#





#92
Benzo(g,h,i)perylene
Concen: 3.256 ng
RT: 17.545 min Scan# 2628
Delta R.T. 0.000 min
Lab File: BF125464.D
Acq: 14 Sep 2021 2:09

Instrument :
BNA_F
ClientSampleId :
OR-03-091021



Tgt Ion:	276	Resp:	37294
Ion Ratio	100	Lower	Upper
276	100		
277	27.9	22.0	33.0
138	24.1	22.2	33.4

