

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040722\
 Data File : BF127693.D
 Acq On : 07 Apr 2022 19:59
 Operator : CG\JU
 Sample : N2270-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FARMINGDALE-CLAY-1

Quant Time: Apr 08 04:46:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 13:55:27 2022
 Response via : Initial Calibration

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

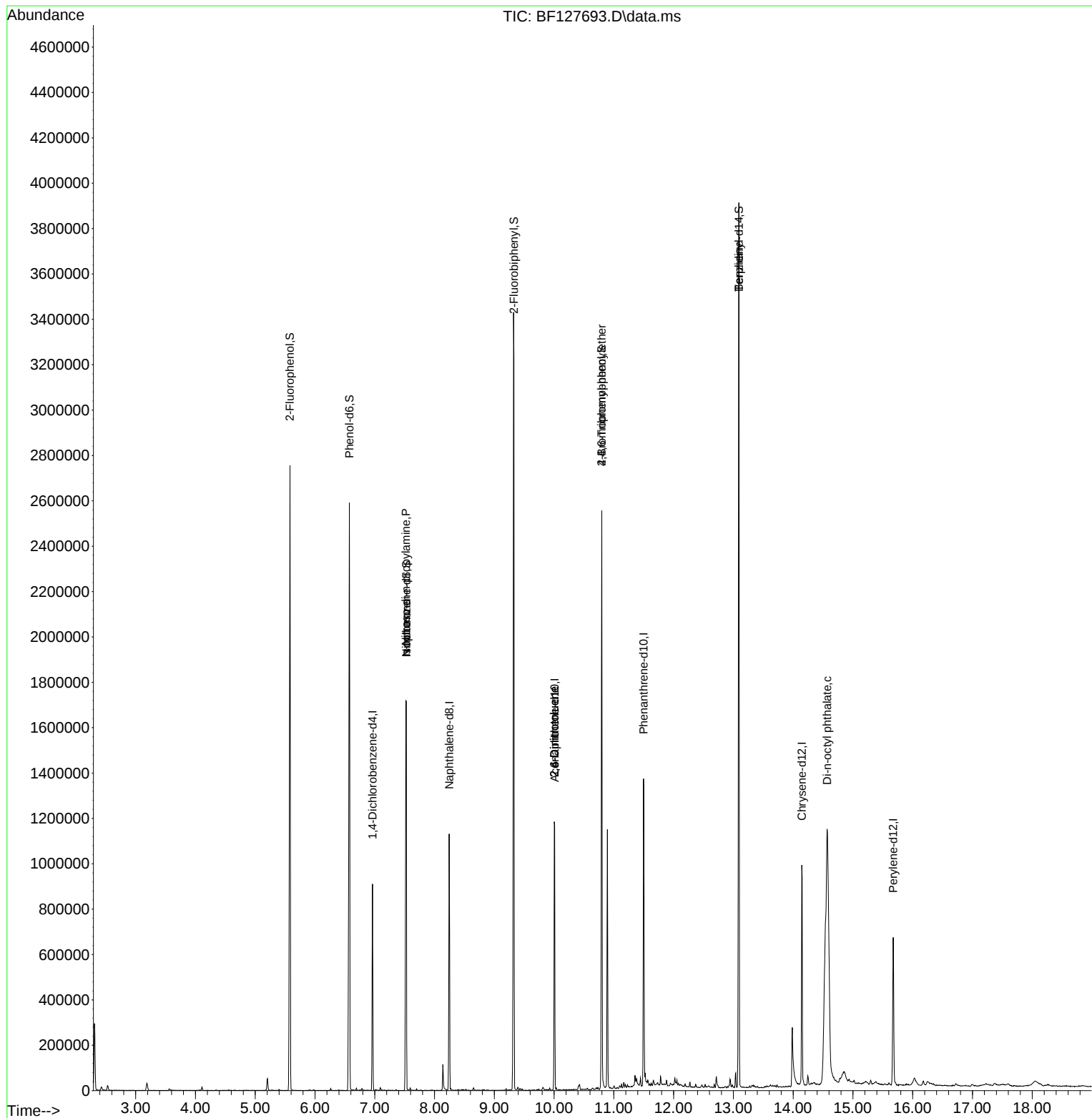
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	119668	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	439322	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	256152	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	476558	20.000	ng	0.00
76) Chrysene-d12	14.145	240	353625	20.000	ng	-0.01
86) Perylene-d12	15.674	264	307294	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	693110	94.113	ng	0.00
7) Phenol-d6	6.575	99	903700	93.798	ng	0.00
23) Nitrobenzene-d5	7.528	82	625526	63.477	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	285169	104.617	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1143036	63.127	ng	0.00
79) Terphenyl-d14	13.092	244	1329873	62.074	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.575	77	1555	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.522	70	85160	13.666	ng	# 76
25) Isophorone	7.528	82	625516	36.377	ng	# 70
51) 2,6-Dinitrotoluene	10.004	165	33107	9.460	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	33107	7.630	ng	# 14
67) 4-Bromophenyl-phenylether	10.798	248	18620	3.219	ng	# 1
77) Benzidine	13.092	184	19289	2.090	ng	# 93
85) Di-n-octyl phthalate	14.568	149	64188	2.801	ng	# 1

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

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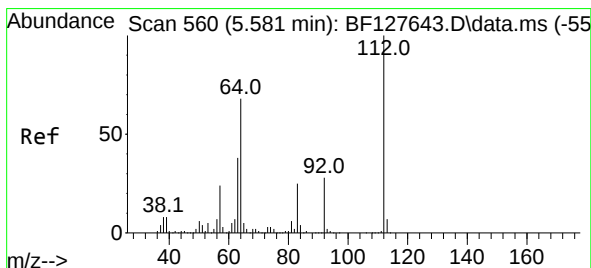
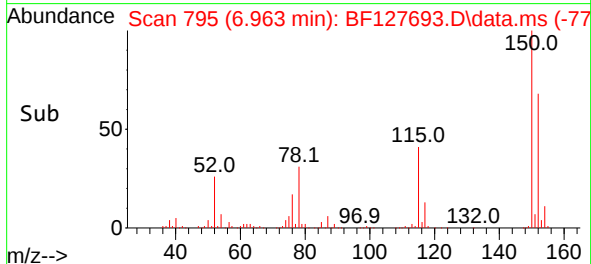
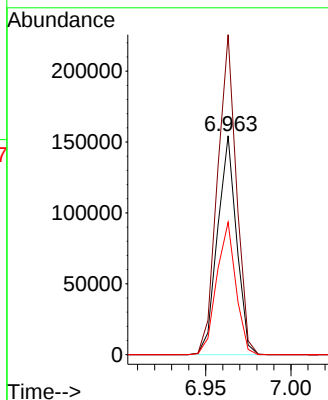
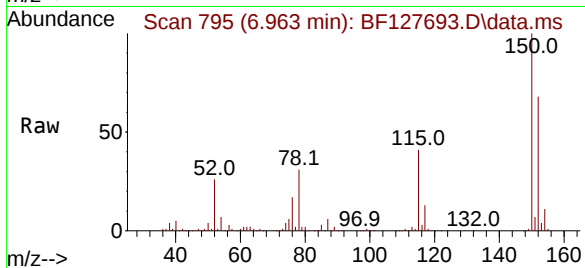




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF127693.D
 Acq: 07 Apr 2022 19:59

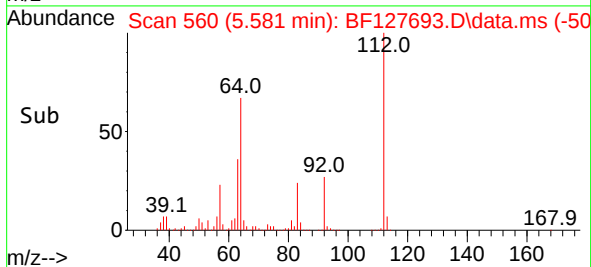
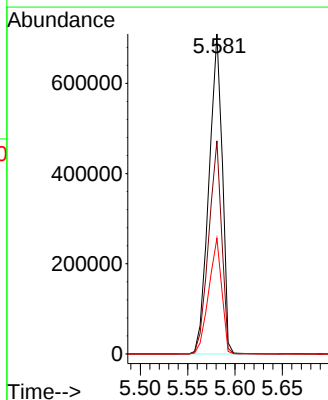
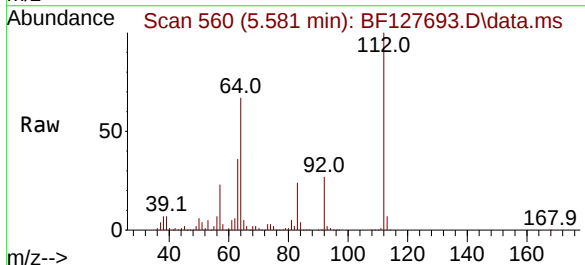
Instrument :
 BNA_F
 ClientSampleId :
 FARMINGDALE-CLAY-1

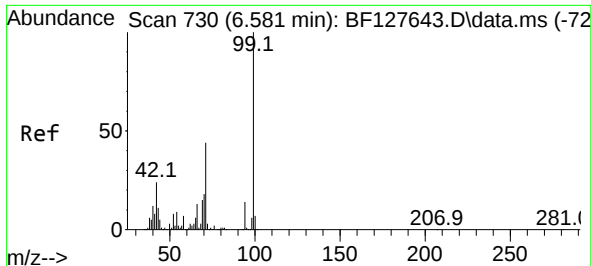
Tgt Ion:152 Resp: 119668
 Ion Ratio Lower Upper
 152 100
 150 146.2 117.2 175.8
 115 60.6 49.8 74.6



#5
 2-Fluorophenol
 Concen: 94.113 ng
 RT: 5.581 min Scan# 560
 Delta R.T. 0.000 min
 Lab File: BF127693.D
 Acq: 07 Apr 2022 19:59

Tgt Ion:112 Resp: 693110
 Ion Ratio Lower Upper
 112 100
 64 66.6 58.4 87.6
 63 36.1 30.1 45.1

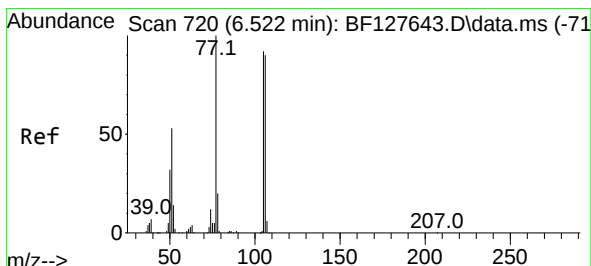
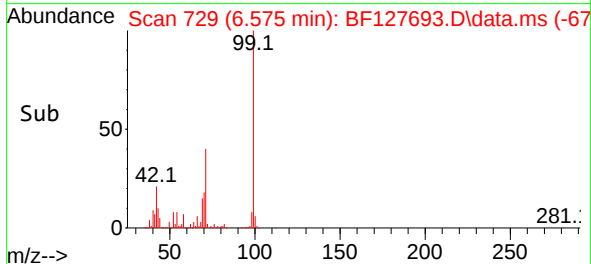
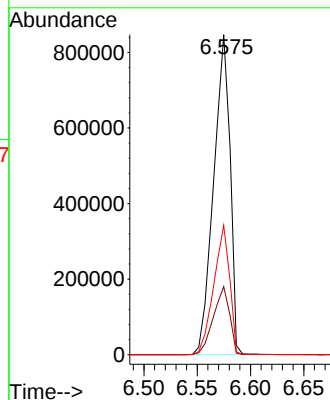
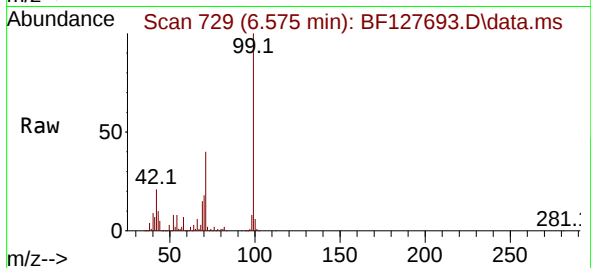




#7
Phenol-d6
Concen: 93.798 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

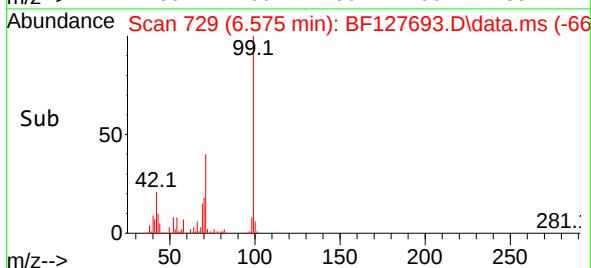
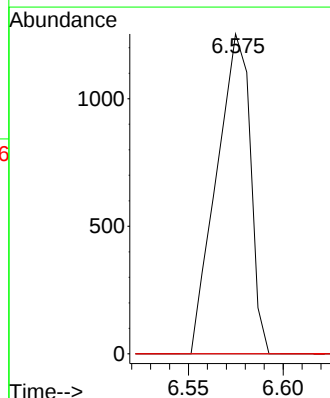
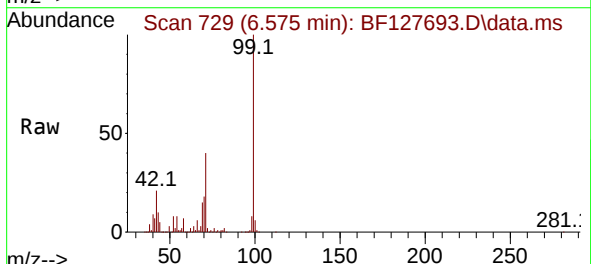
Instrument :
BNA_F
ClientSampleId :
FARMINGDALE-CLAY-1

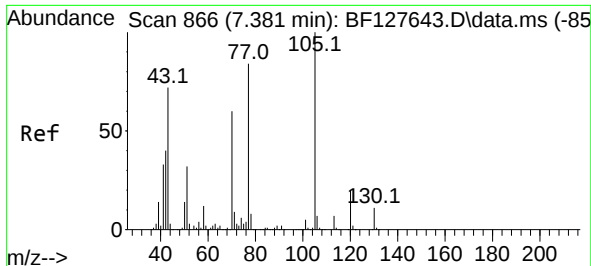
Tgt Ion: 99 Resp: 903700
Ion Ratio Lower Upper
99 100
42 21.2 17.8 26.6
71 40.4 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.575 min Scan# 729
Delta R.T. 0.053 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

Tgt Ion: 77 Resp: 1555
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#

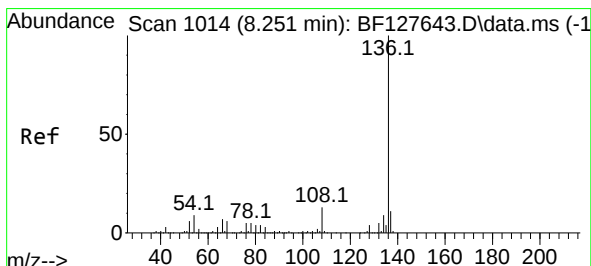
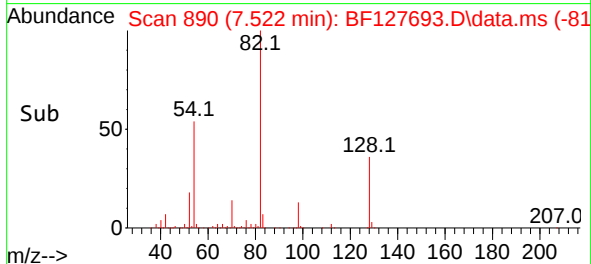
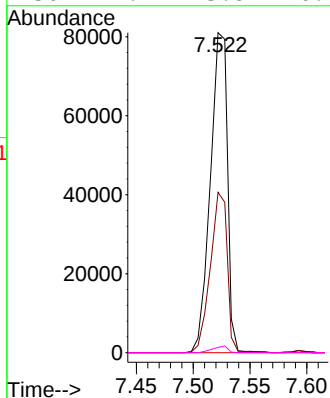
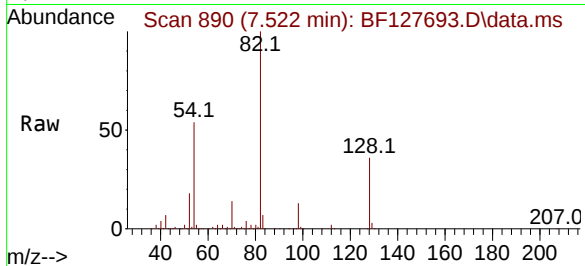




#19
n-Nitroso-di-n-propylamine
Concen: 13.666 ng
RT: 7.522 min Scan# 89
Delta R.T. 0.141 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

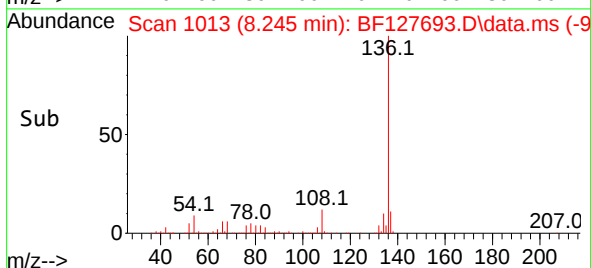
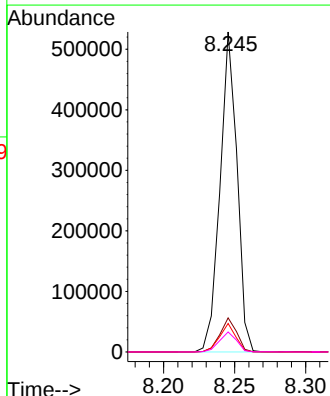
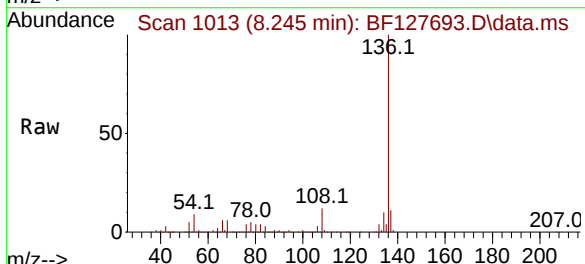
Instrument :
BNA_F
ClientSampleId :
FARMINGDALE-CLAY-1

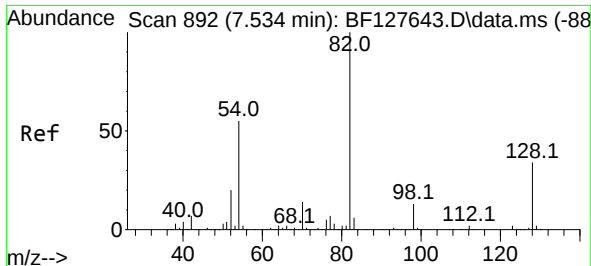
Tgt Ion: 70 Resp: 85160
Ion Ratio Lower Upper
70 100
42 50.1 53.0 79.6#
101 0.0 6.8 10.2#
130 1.7 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

Tgt Ion: 136 Resp: 439322
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.9 9.2 13.8#
68 6.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 63.477 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127693.D

Acq: 07 Apr 2022 19:59

Instrument :

BNA_F

ClientSampleId :

FARMINGDALE-CLAY-1

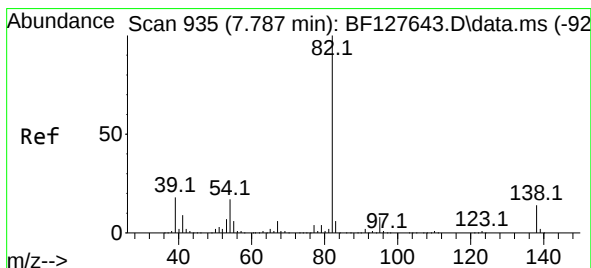
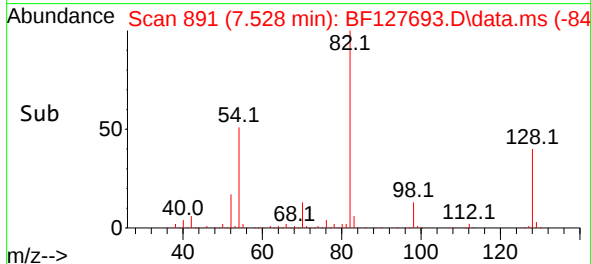
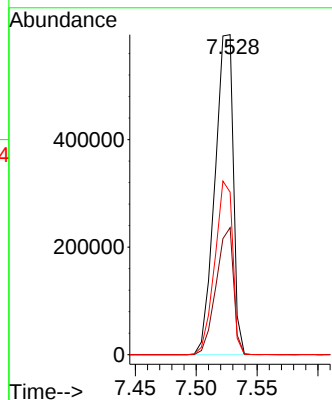
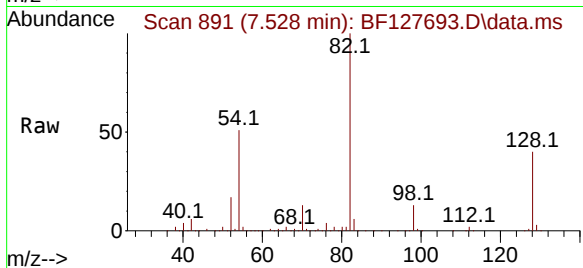
Tgt Ion: 82 Resp: 625526

Ion Ratio Lower Upper

82 100

128 39.7 30.6 45.8

54 50.8 48.2 72.2



#25

Isophorone

Concen: 36.377 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.259 min

Lab File: BF127693.D

Acq: 07 Apr 2022 19:59

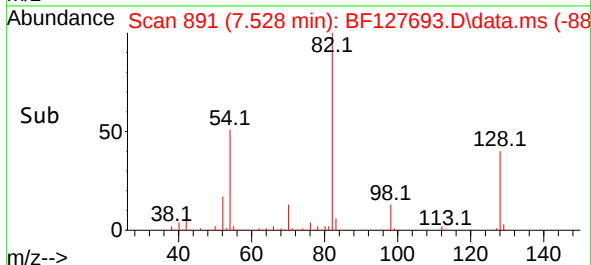
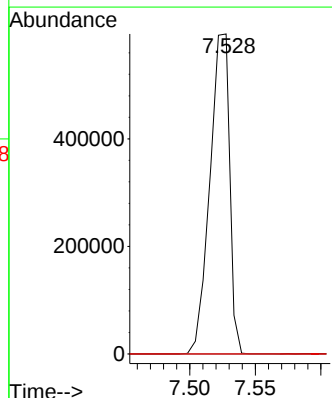
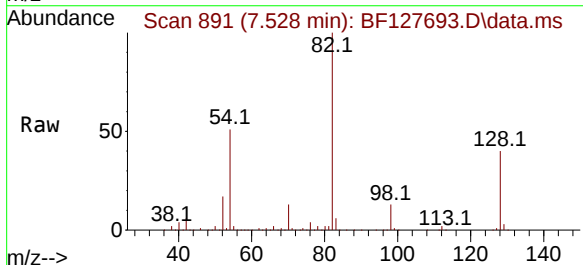
Tgt Ion: 82 Resp: 625516

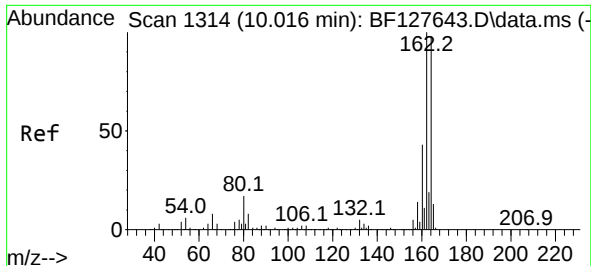
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

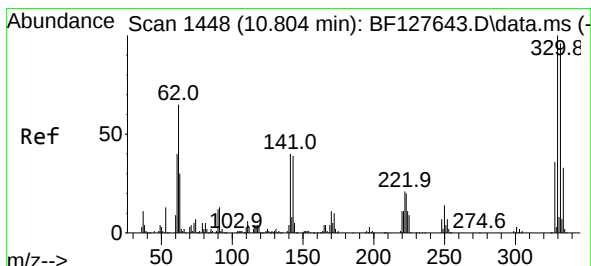
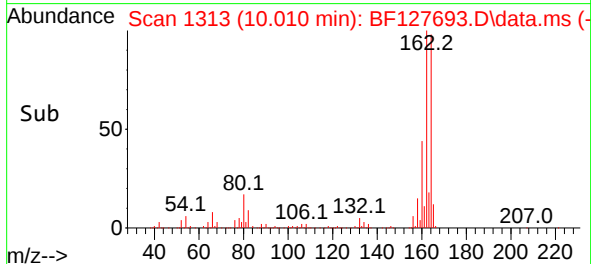
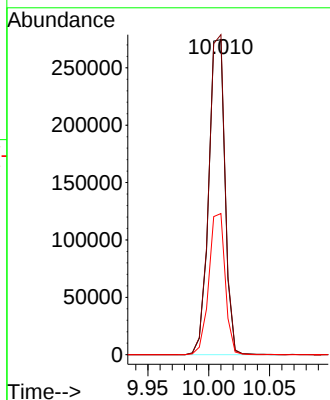
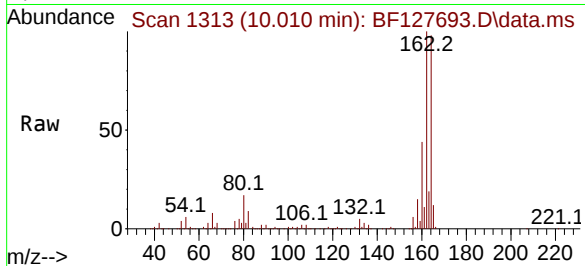




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127693.D
 Acq: 07 Apr 2022 19:59

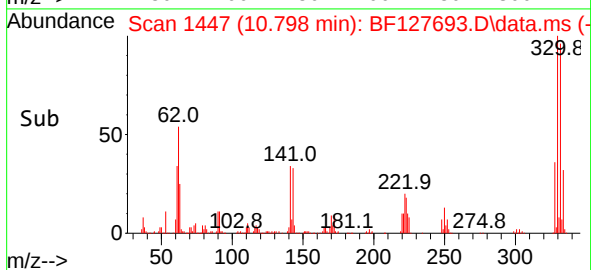
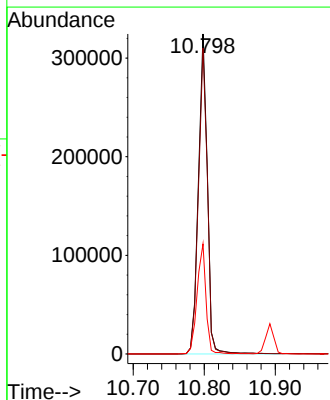
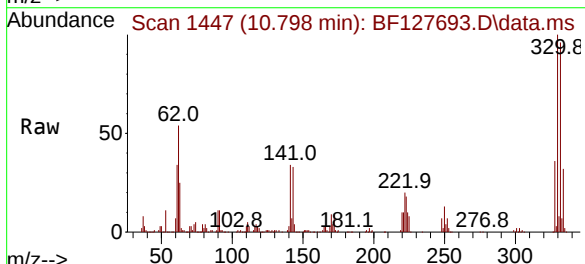
Instrument :
 BNA_F
 ClientSampleId :
 FARMINGDALE-CLAY-1

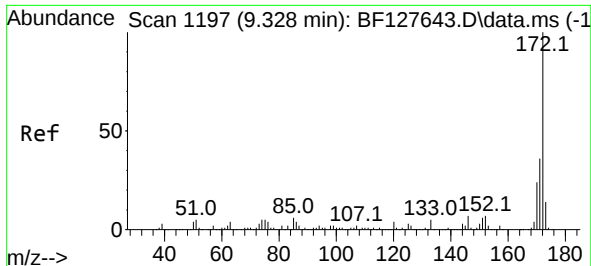
Tgt Ion:164 Resp: 256152
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.2 121.8
 160 44.8 34.6 52.0



#42
 2,4,6-Tribromophenol
 Concen: 104.617 ng
 RT: 10.798 min Scan# 1447
 Delta R.T. -0.006 min
 Lab File: BF127693.D
 Acq: 07 Apr 2022 19:59

Tgt Ion:330 Resp: 285169
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.1 118.7
 141 34.4 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 63.127 ng

RT: 9.328 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF127693.D

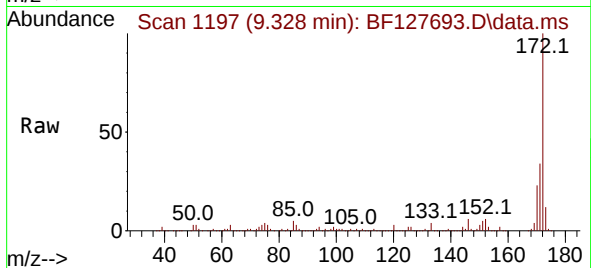
Acq: 07 Apr 2022 19:59

Instrument :

BNA_F

ClientSampleId :

FARMINGDALE-CLAY-1



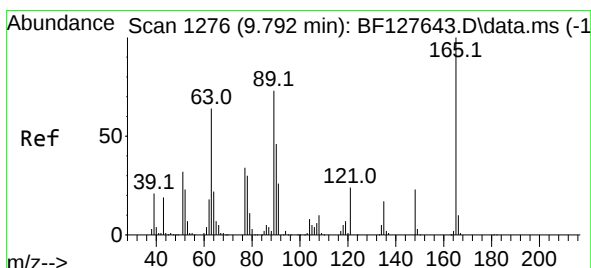
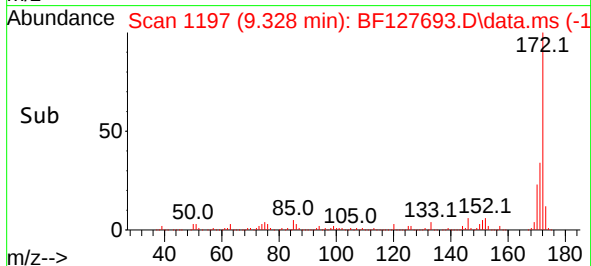
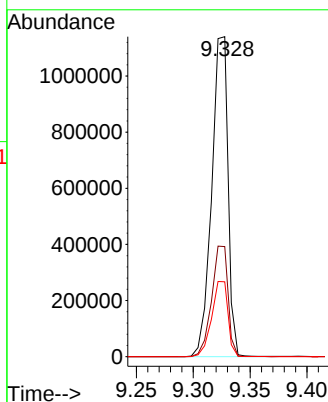
Tgt Ion:172 Resp: 1143036

Ion Ratio Lower Upper

172 100

171 34.4 28.4 42.6

170 23.4 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.460 ng

RT: 10.004 min Scan# 1312

Delta R.T. 0.212 min

Lab File: BF127693.D

Acq: 07 Apr 2022 19:59

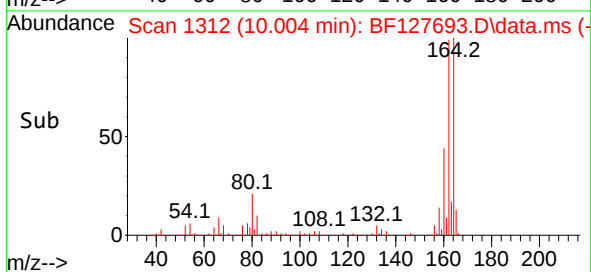
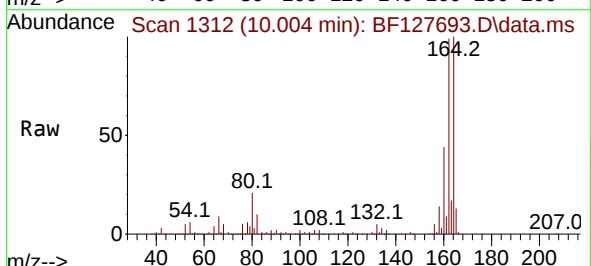
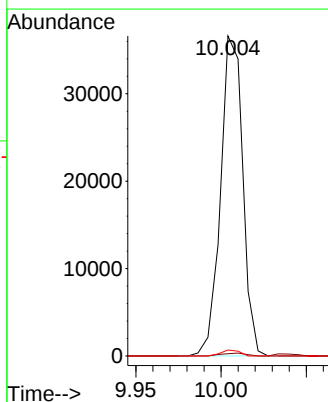
Tgt Ion:165 Resp: 33107

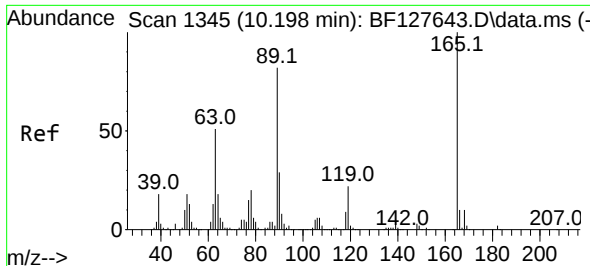
Ion Ratio Lower Upper

165 100

63 0.7 58.3 87.5#

89 1.8 51.5 77.3#

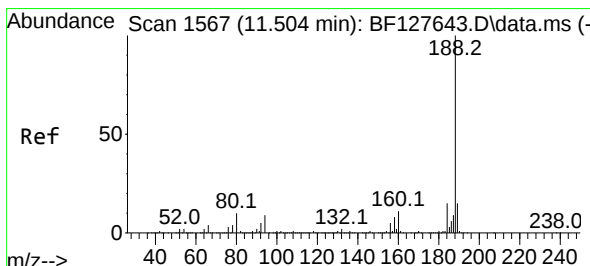
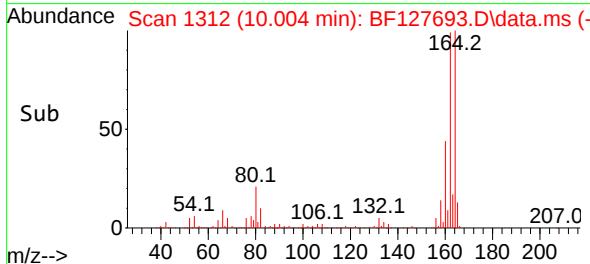
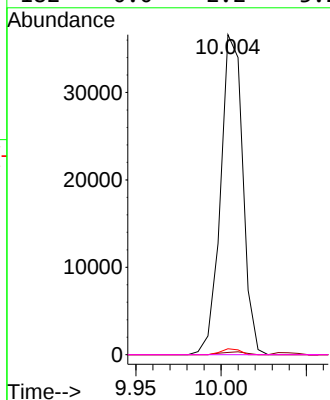
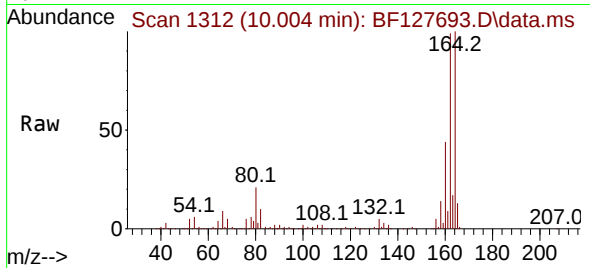




#57
2,4-Dinitrotoluene
Concen: 7.630 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

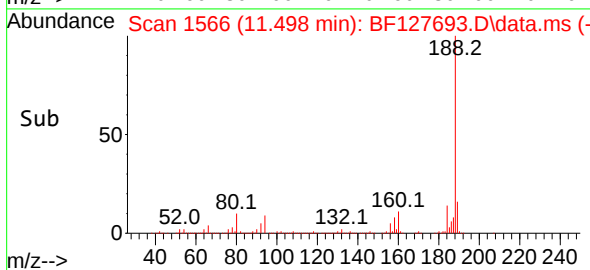
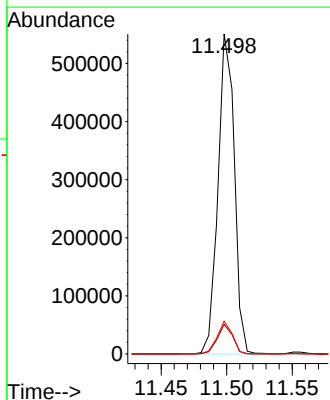
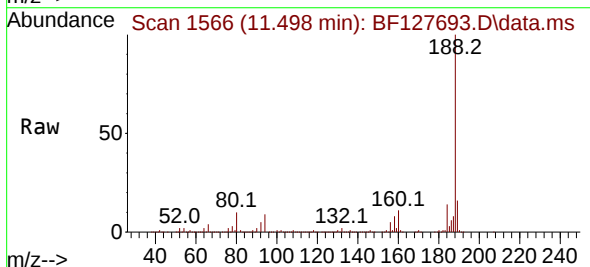
Instrument :
BNA_F
ClientSampleId :
FARMINGDALE-CLAY-1

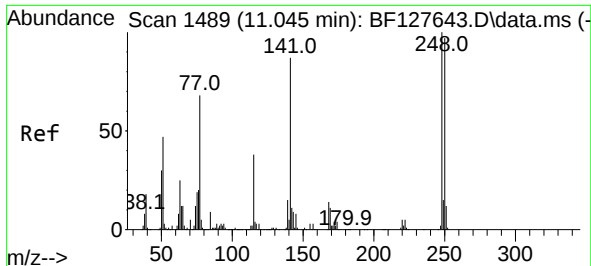
Tgt Ion:165 Resp: 33107
Ion Ratio Lower Upper
165 100
63 0.7 53.1 79.7#
89 1.8 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

Tgt Ion:188 Resp: 476558
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.0
80 10.3 8.0 12.0

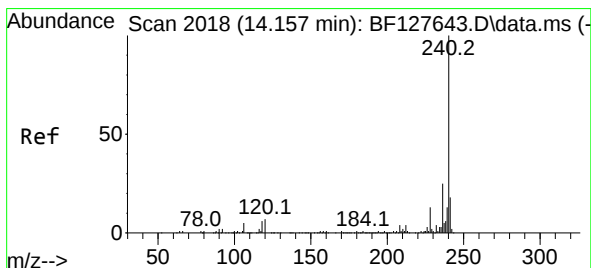
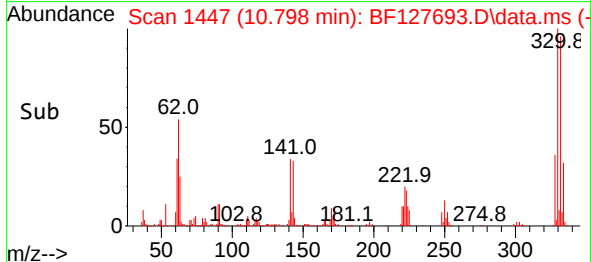
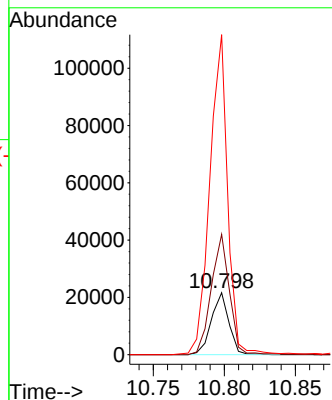
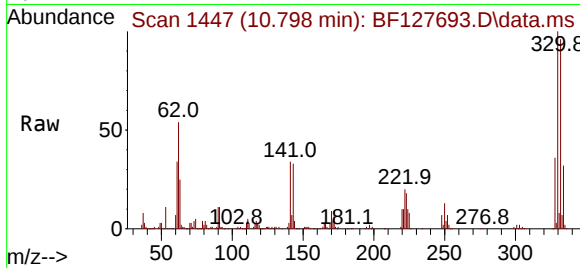




#67
4-Bromophenyl-phenylether
Concen: 3.219 ng
RT: 10.798 min Scan# 1489
Delta R.T. -0.247 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

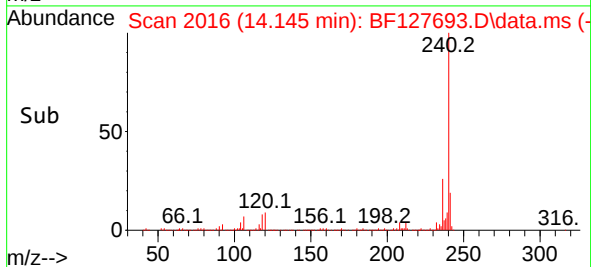
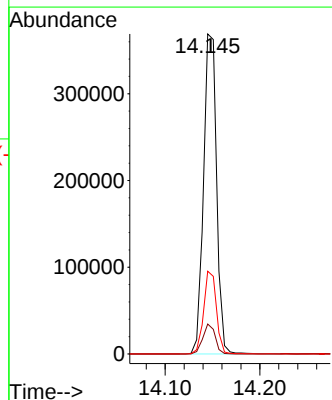
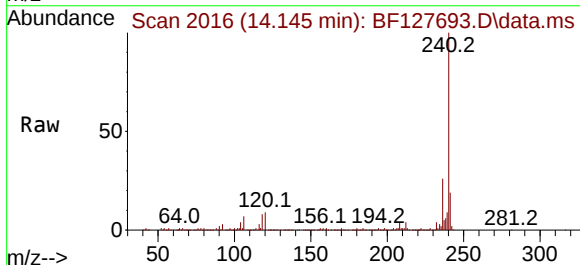
Instrument :
BNA_F
ClientSampleId :
FARMINGDALE-CLAY-1

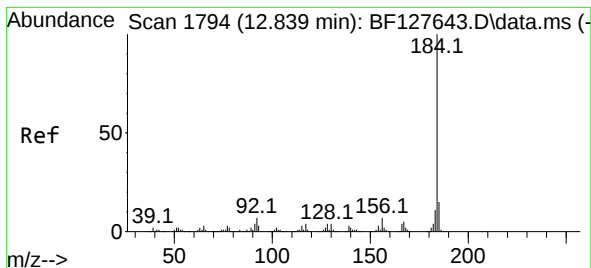
Tgt Ion:248 Resp: 18620
Ion Ratio Lower Upper
248 100
250 194.3 76.6 115.0#
141 517.0 52.2 78.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

Tgt Ion:240 Resp: 353625
Ion Ratio Lower Upper
240 100
120 9.3 7.1 10.7
236 25.8 20.7 31.1





#77

Benzidine

Concen: 2.090 ng

RT: 13.092 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF127693.D

Acq: 07 Apr 2022 19:59

Instrument :

BNA_F

ClientSampleId :

FARMINGDALE-CLAY-1

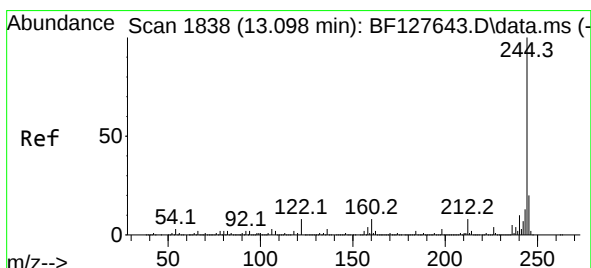
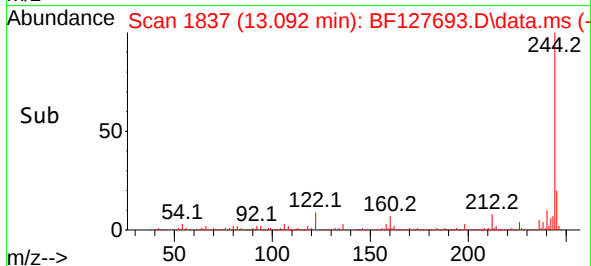
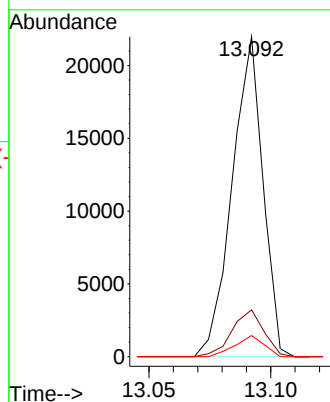
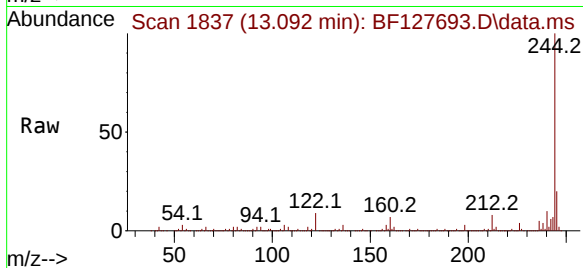
Tgt Ion:184 Resp: 19289

Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.2

183 6.6 9.4 14.0#



#79

Terphenyl-d14

Concen: 62.074 ng

RT: 13.092 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF127693.D

Acq: 07 Apr 2022 19:59

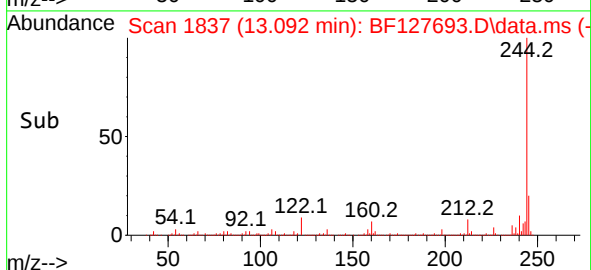
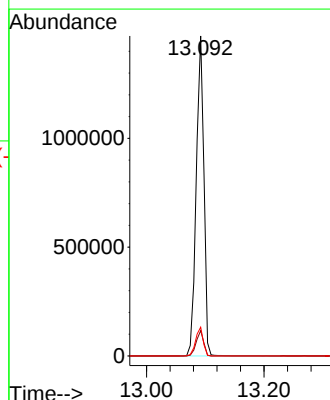
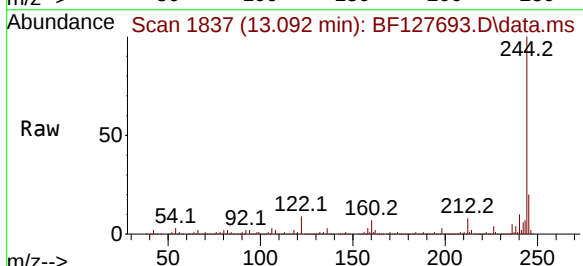
Tgt Ion:244 Resp: 1329873

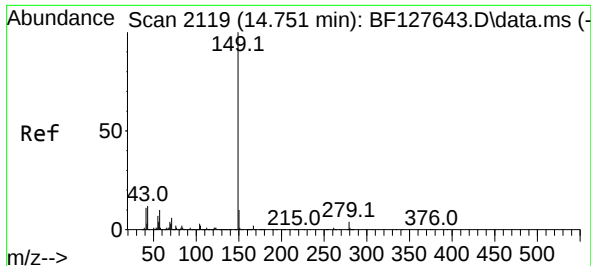
Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

122 9.0 6.2 9.2

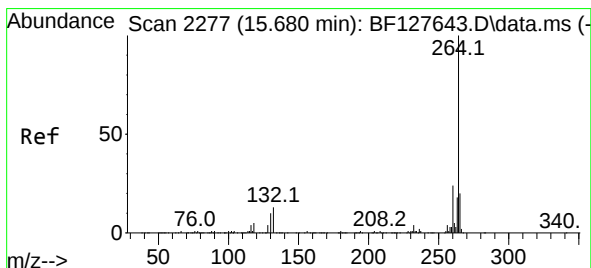
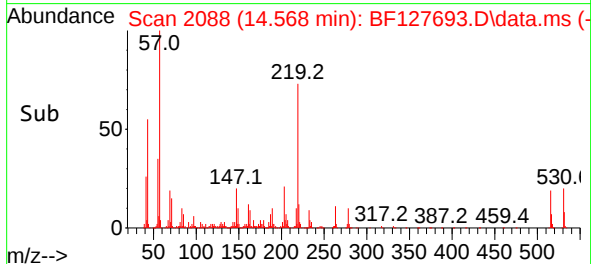
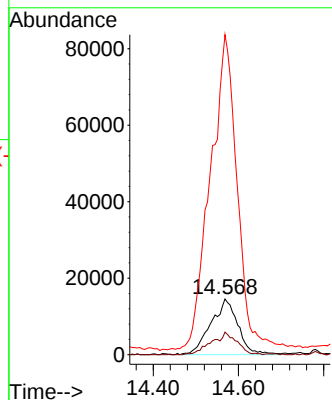
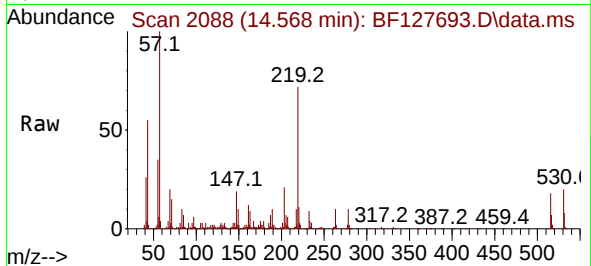




#85
Di-n-octyl phthalate
Concen: 2.801 ng
RT: 14.568 min Scan# 2088
Delta R.T. -0.182 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

Instrument :
BNA_F
ClientSampleId :
FARMINGDALE-CLAY-1

Tgt Ion:149 Resp: 64188
Ion Ratio Lower Upper
149 100
167 37.5 1.3 1.9#
43 562.8 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF127693.D
Acq: 07 Apr 2022 19:59

Tgt Ion:264 Resp: 307294
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.0 17.4 26.2

