

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
 Data File : BF124985.D
 Acq On : 7 Aug 2021 21:09
 Operator : JU/CG
 Sample : M3289-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 27193

Quant Time: Aug 08 09:11:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 06 11:27:24 2021
 Response via : Initial Calibration

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

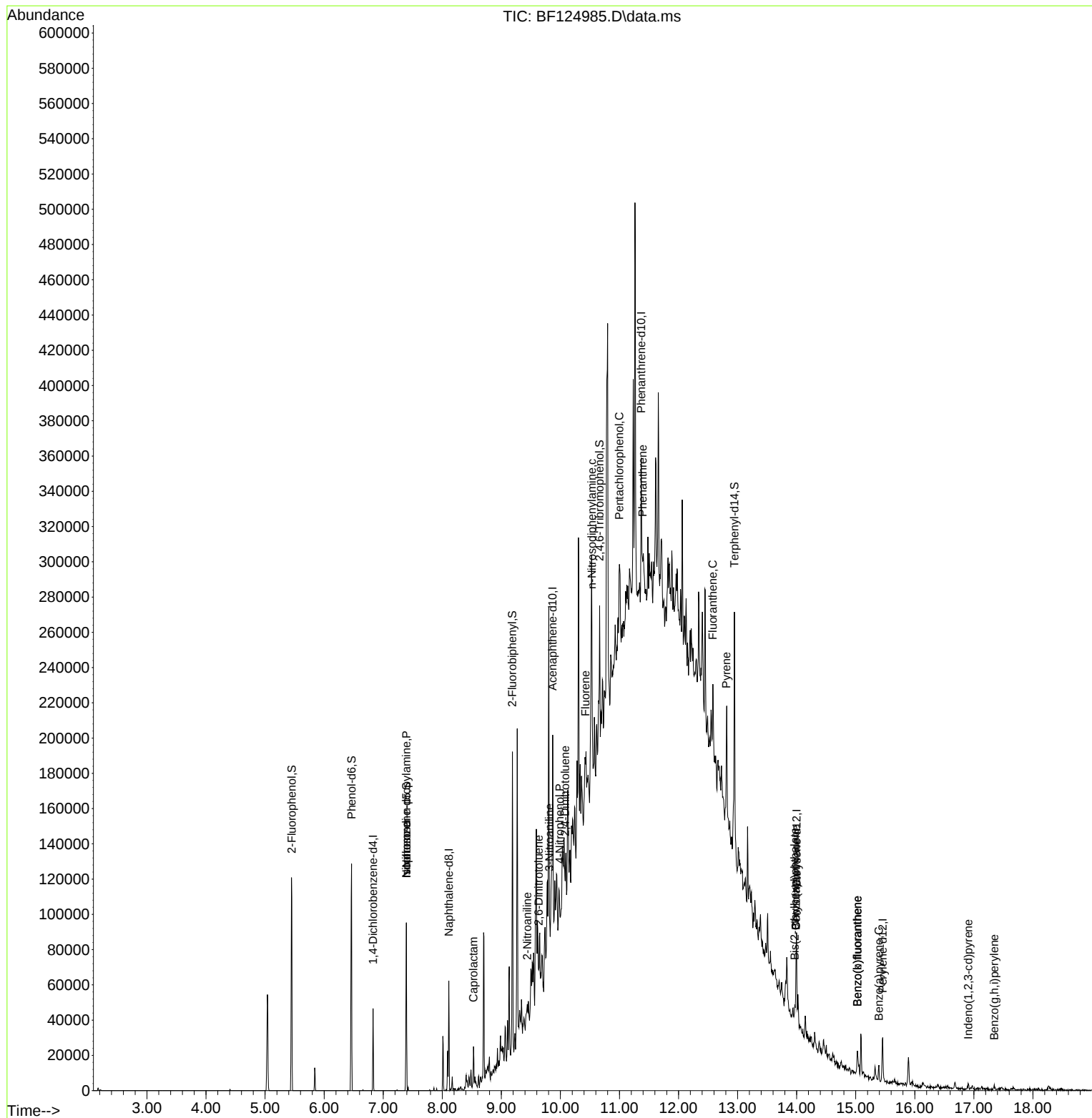
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	6109	20.00	ng	# 0.00
21) Naphthalene-d8	8.110	136	23309	20.00	ng	# 0.00
39) Acenaphthene-d10	9.869	164	12292	20.00	ng	0.00
64) Phenanthrene-d10	11.369	188	16461	20.00	ng	# 0.02
76) Chrysene-d12	13.998	240	14292	20.00	ng	0.00
86) Perylene-d12	15.457	264	11308	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	33101	88.76	ng	0.00
7) Phenol-d6	6.463	99	38644	82.18	ng	0.00
23) Nitrobenzene-d5	7.392	82	25579	57.41	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	8006	72.90	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	45911	54.65	ng	0.00
79) Terphenyl-d14	12.945	244	37340	44.07	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	3363	12.05	ng	# 68
25) Isophorone	7.392	82	25579	33.64	ng	# 59
35) Caprolactam	8.528	113	329	3.58	ng	# 1
48) 2-Nitroaniline	9.439	65	642	3.00	ng	# 1
51) 2,6-Dinitrotoluene	9.633	165	380	2.05	ng	# 26
53) 3-Nitroaniline	9.816	138	393	2.01	ng	# 1
56) 4-Nitrophenol	9.986	139	425	3.30	ng	# 1
57) 2,4-Dinitrotoluene	10.081	165	671	2.66	ng	# 18
58) Fluorene	10.422	166	2545	3.16	ng	# 25
66) n-Nitrosodiphenylamine	10.533	169	2423	4.54	ng	# 51
70) Pentachlorophenol	10.998	266	111	4.73	ng	# 17
71) Phenanthrene	11.392	178	5765	6.46	ng	# 77
75) Fluoranthene	12.580	202	12086	13.08	ng	91
78) Pyrene	12.810	202	13041	11.58	ng	96
81) Benzo(a)anthracene	13.986	228	6081	6.53	ng	96
83) Chrysene	13.986	228	6081	6.75	ng	97
84) Bis(2-ethylhexyl)phtha...	13.969	149	3520	5.07	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.904	276	2421	3.60	ng	# 78
88) Benzo(b)fluoranthene	15.027	252	9536	12.01	ng	94
89) Benzo(k)fluoranthene	15.027	252	9536	13.20	ng	# 93
90) Benzo(a)pyrene	15.392	252	4213	6.23	ng	# 88
92) Benzo(g,h,i)perylene	17.345	276	2150	3.79	ng	# 70

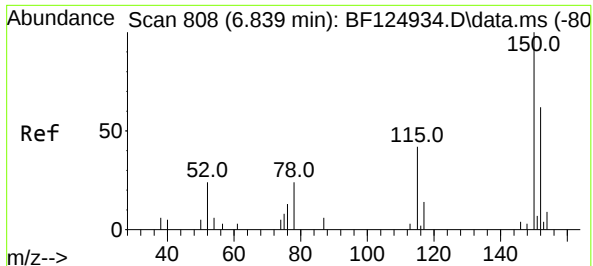
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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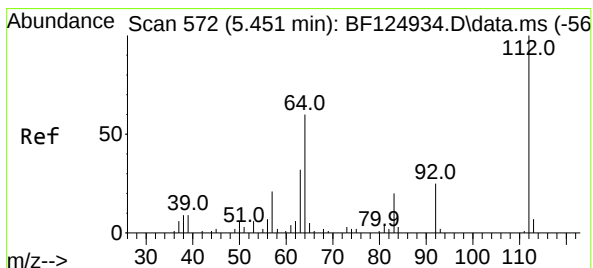
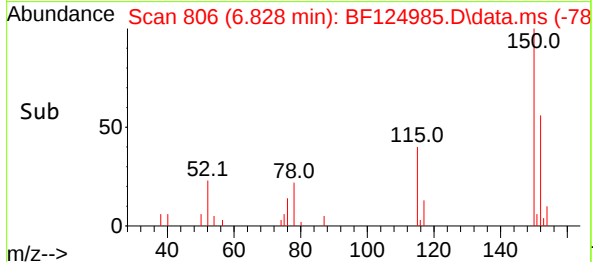
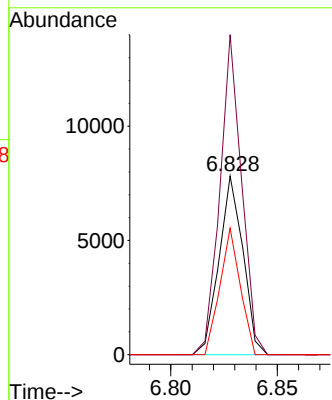
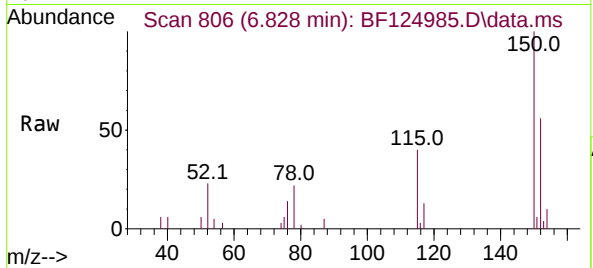




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

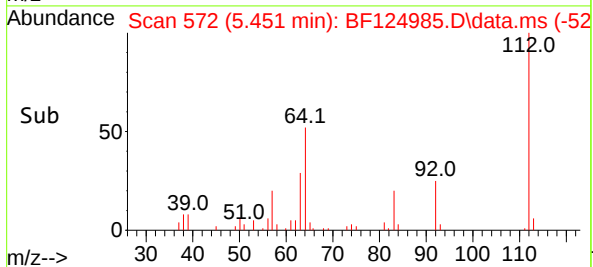
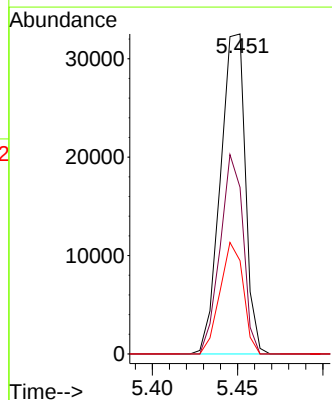
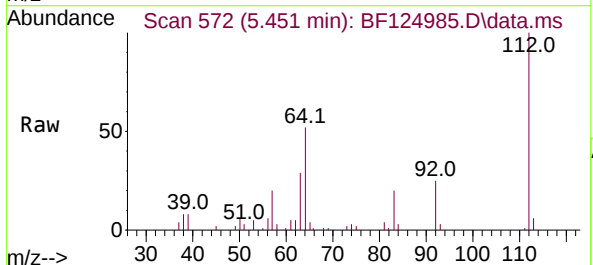
Instrument :
BNA_F
ClientSampled :
27193

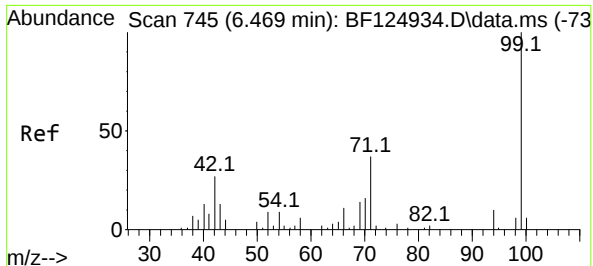
Tgt Ion:152 Resp: 6109
Ion Ratio Lower Upper
152 100
150 179.0 117.6 176.4#
115 70.8 47.1 70.7#



#5
2-Fluorophenol
Concen: 88.76 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:112 Resp: 33101
Ion Ratio Lower Upper
112 100
64 52.0 44.2 66.2
63 29.2 26.2 39.2

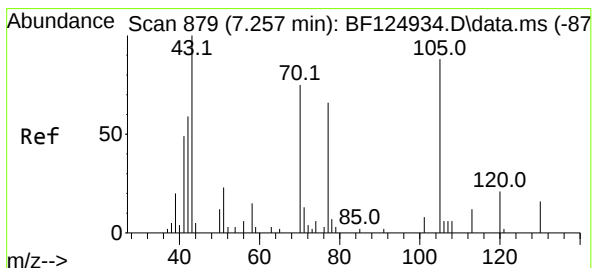
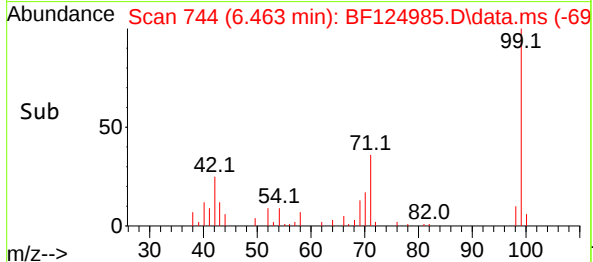
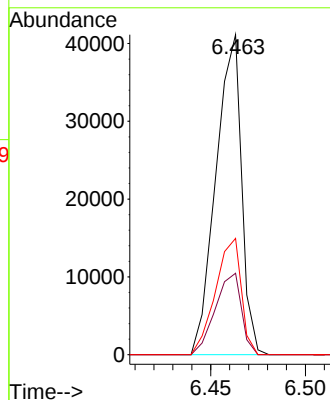
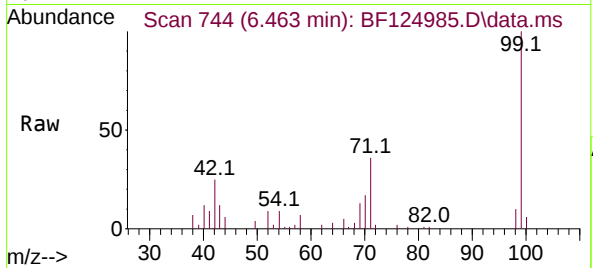




#7
Phenol-d6
Concen: 82.18 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

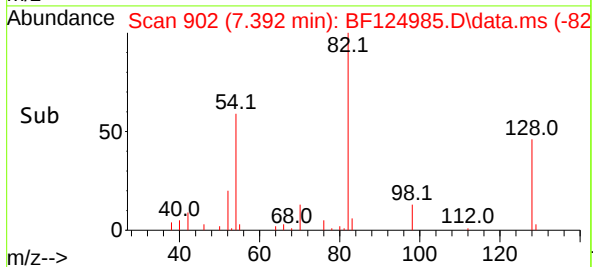
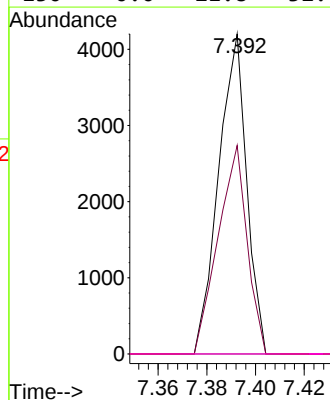
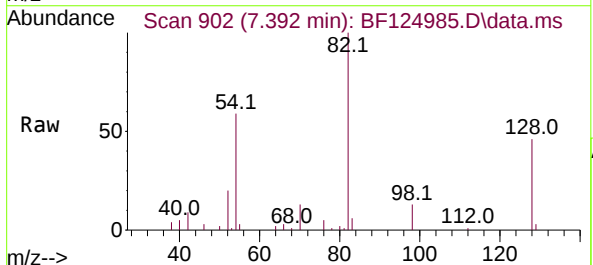
Instrument :
BNA_F
ClientSampleId :
27193

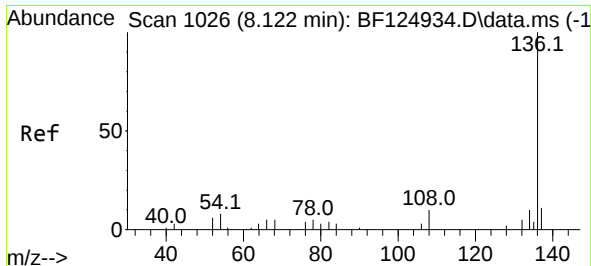
Tgt Ion: 99 Resp: 38644
Ion Ratio Lower Upper
99 100
42 25.5 23.5 35.3
71 36.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.05 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.147 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion: 70 Resp: 3363
Ion Ratio Lower Upper
70 100
42 65.1 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#

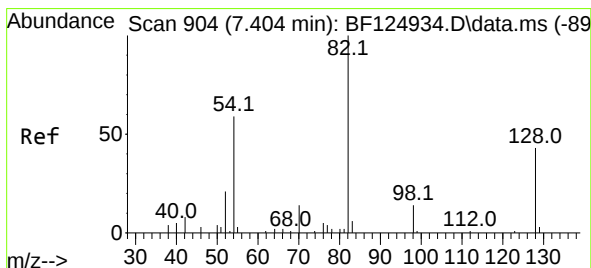
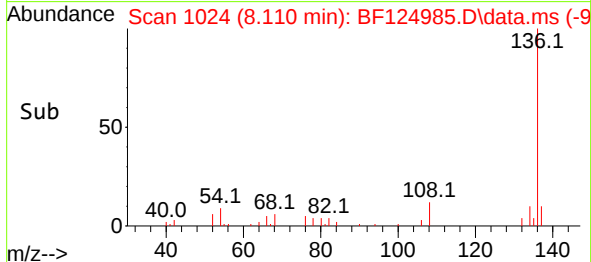
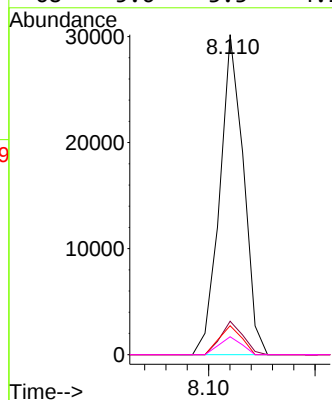
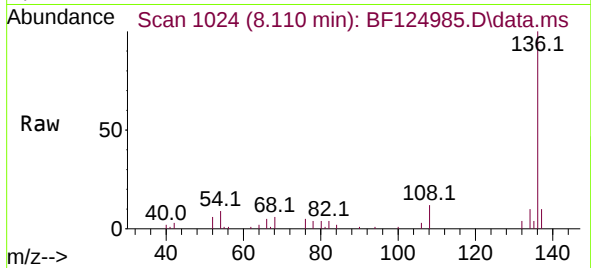




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

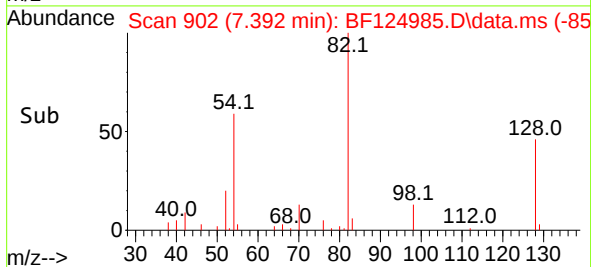
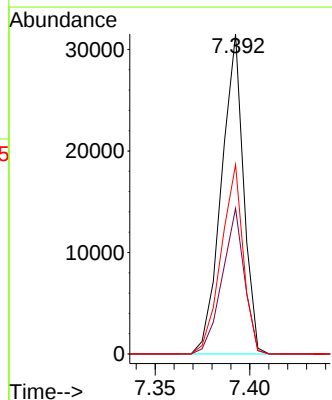
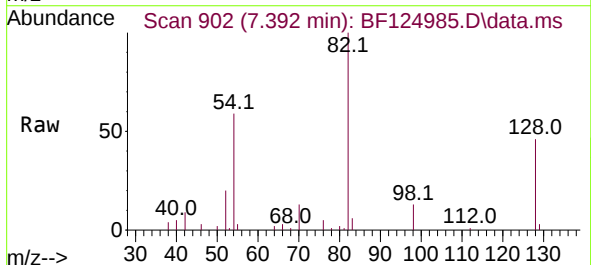
Instrument :
BNA_F
ClientSampleId :
27193

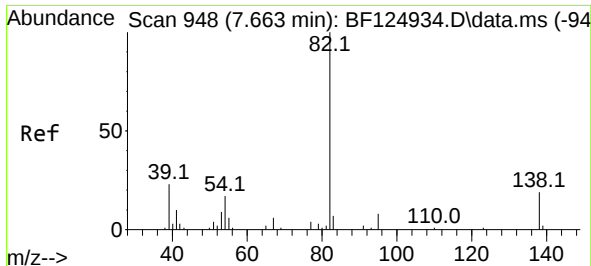
Tgt Ion:136	Resp:	23309
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.8 14.6
54	9.0	6.4 9.6
68	5.6	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 57.41 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion: 82	Resp:	25579
Ion Ratio	Lower	Upper
82	100	
128	45.5	40.6 60.8
54	59.2	49.6 74.4

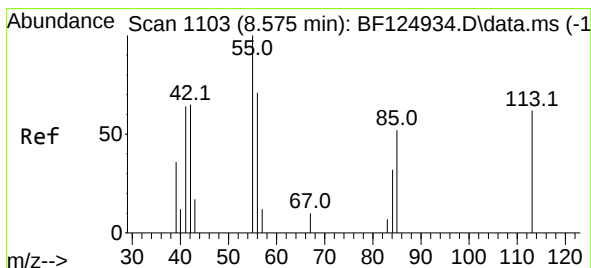
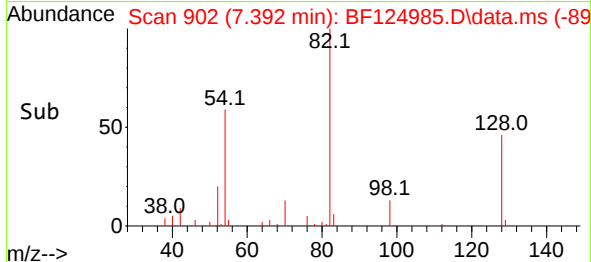
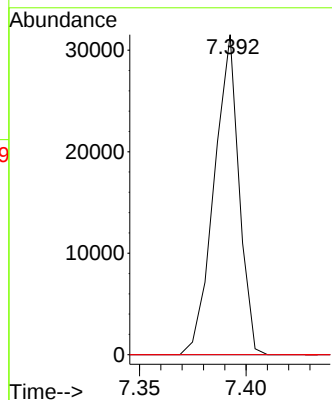
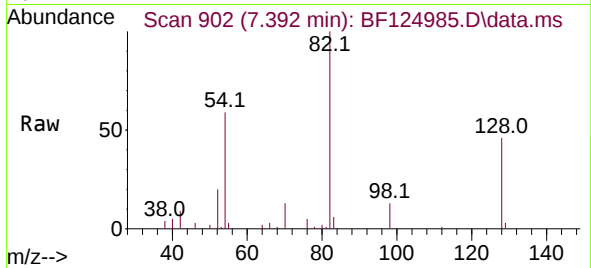




#25
Isophorone
Concen: 33.64 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.264 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

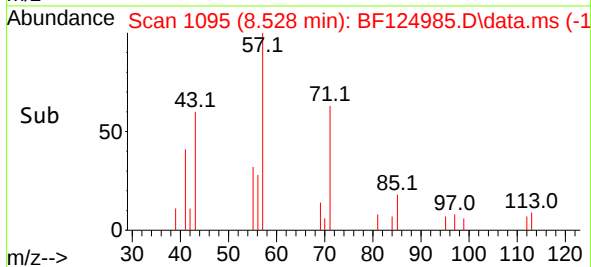
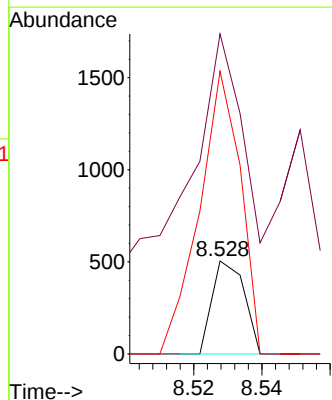
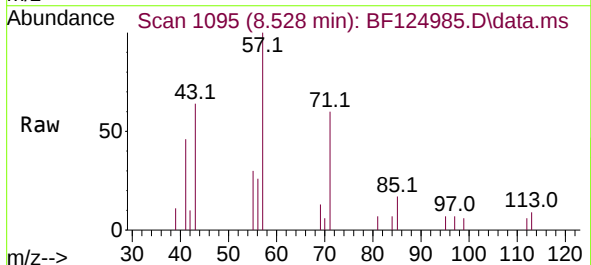
Instrument :
BNA_F
ClientSampleId :
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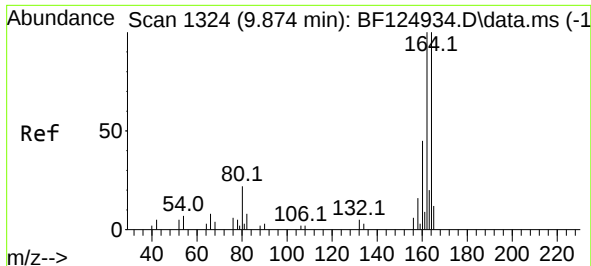
Tgt Ion: 82 Resp: 25579
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#35
Caprolactam
Concen: 3.58 ng
RT: 8.528 min Scan# 1095
Delta R.T. -0.035 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion: 113 Resp: 329
Ion Ratio Lower Upper
113 100
55 344.0 154.1 194.1#
56 304.0 108.7 148.7#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF124985.D

Acq: 7 Aug 2021 21:09

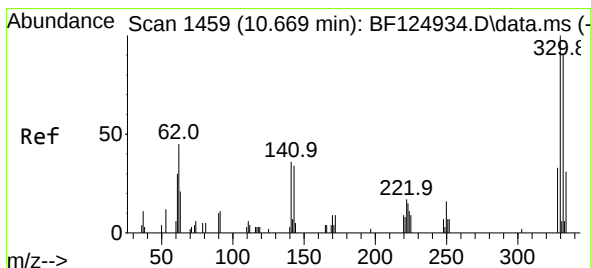
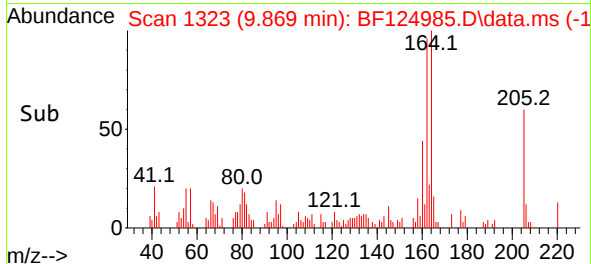
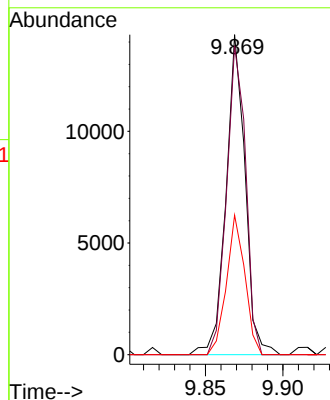
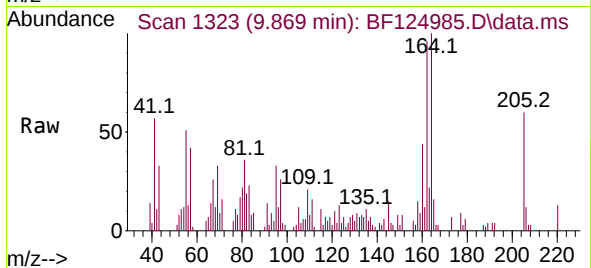
Tgt Ion:164 Resp: 12292

Ion Ratio Lower Upper

164 100

162 96.5 81.3 121.9

160 43.6 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 72.90 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.006 min

Lab File: BF124985.D

Acq: 7 Aug 2021 21:09

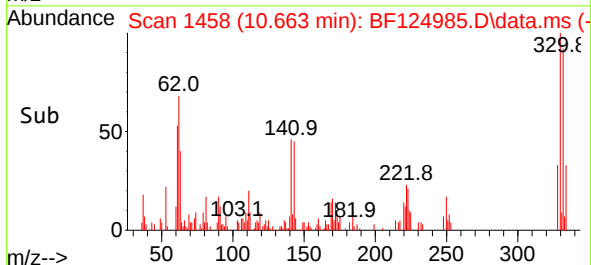
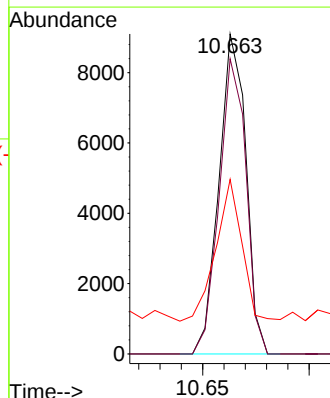
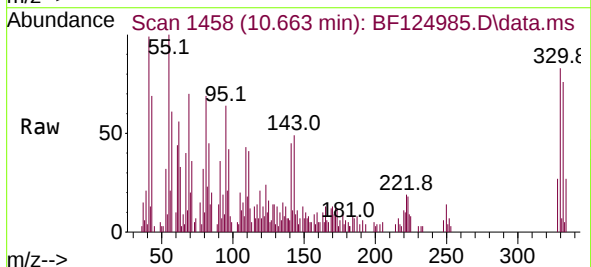
Tgt Ion:330 Resp: 8006

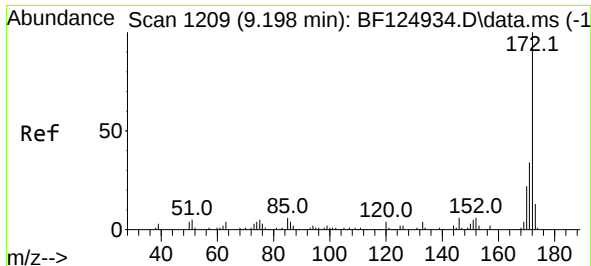
Ion Ratio Lower Upper

330 100

332 92.0 76.2 114.4

141 43.8 44.6 66.8#

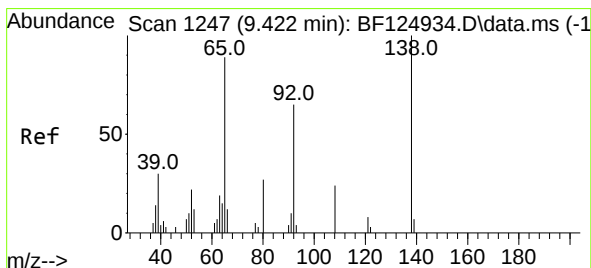
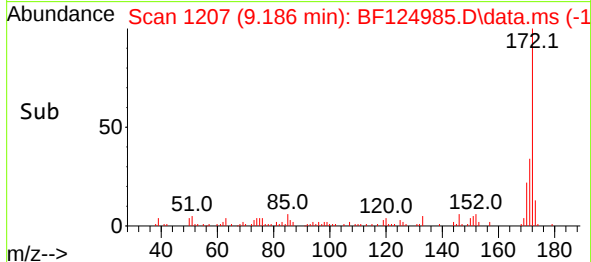
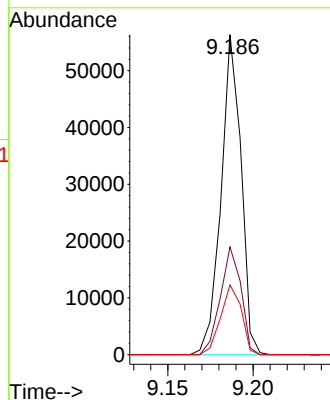
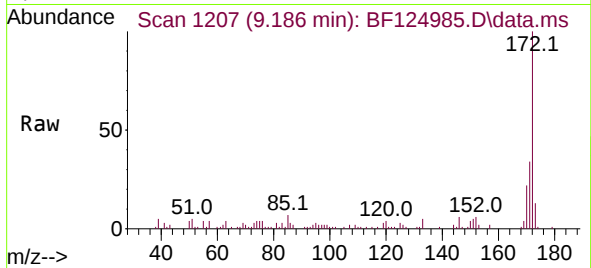




#45
2-Fluorobiphenyl
Concen: 54.65 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

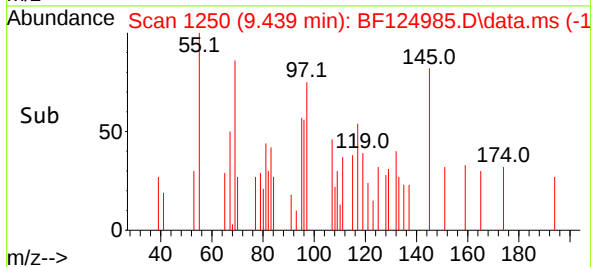
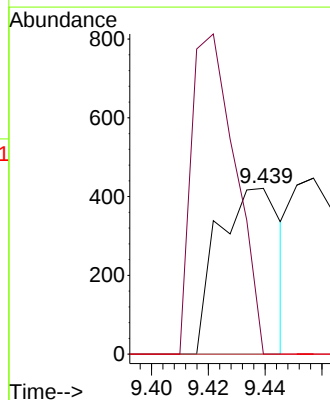
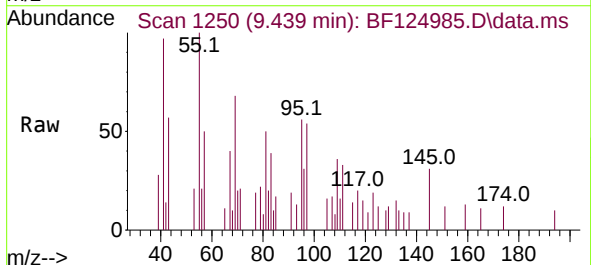
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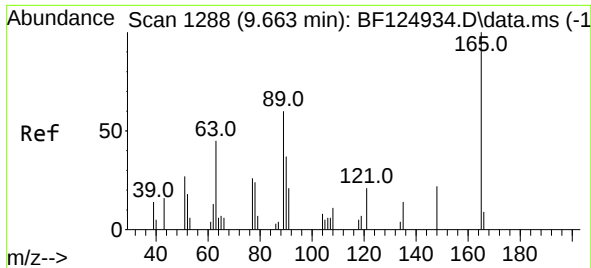
Tgt Ion:172 Resp: 45911
Ion Ratio Lower Upper
172 100
171 33.7 26.5 39.7
170 21.8 18.8 28.2



#48
2-Nitroaniline
Concen: 3.00 ng
RT: 9.439 min Scan# 1250
Delta R.T. 0.030 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion: 65 Resp: 642
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

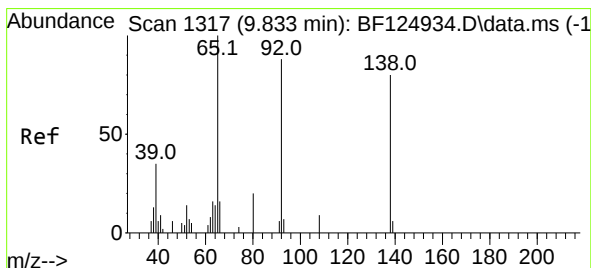
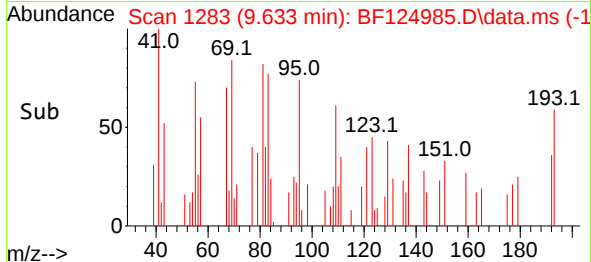
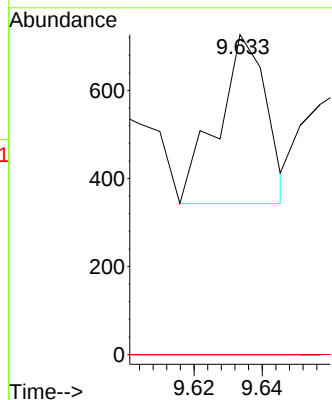
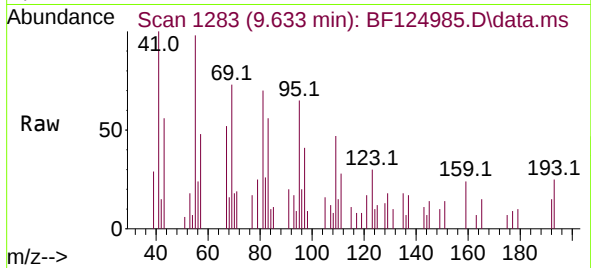




#51
2,6-Dinitrotoluene
Concen: 2.05 ng
RT: 9.633 min Scan# 1283
Delta R.T. -0.023 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

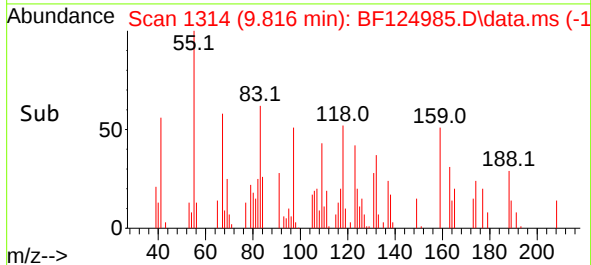
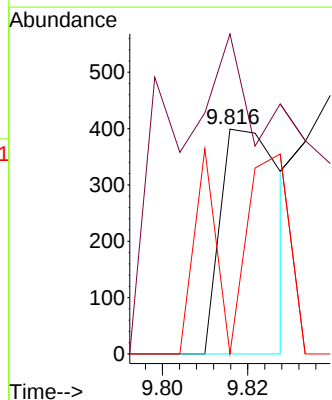
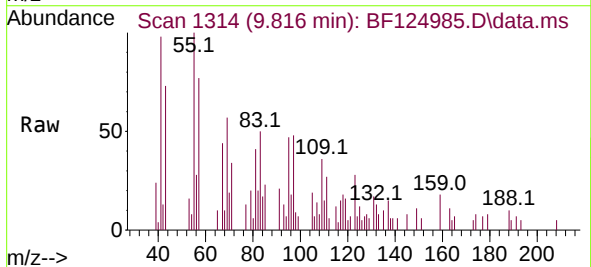
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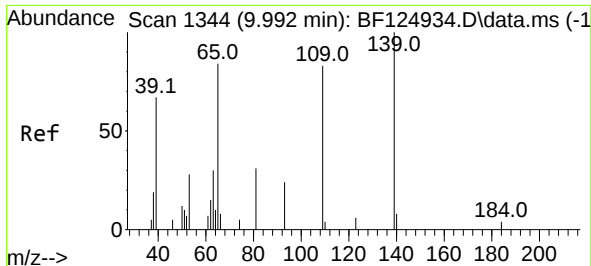
Tgt Ion:165 Resp: 380
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#53
3-Nitroaniline
Concen: 2.01 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:138 Resp: 393
Ion Ratio Lower Upper
138 100
108 142.4 9.3 13.9#
92 0.0 76.5 114.7#

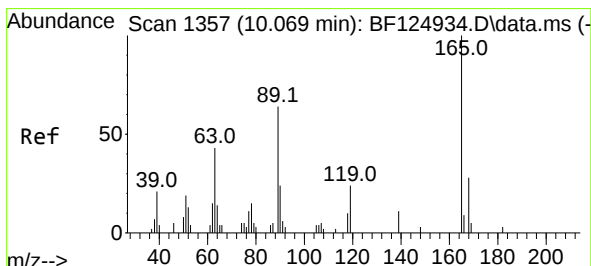
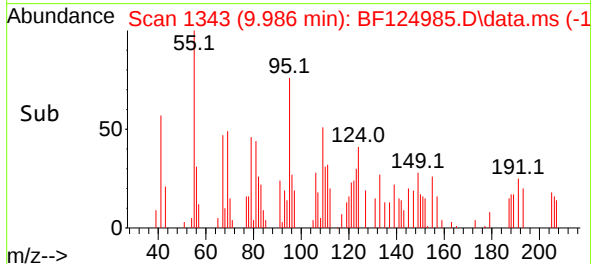
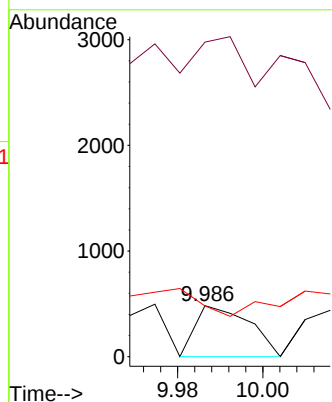
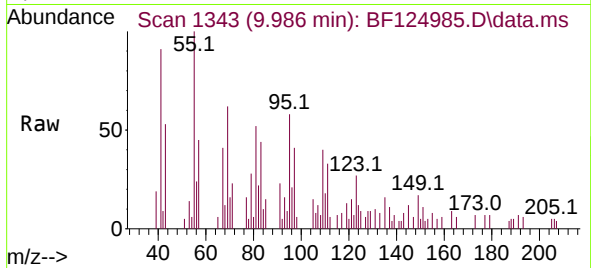




#56
4-Nitrophenol
Concen: 3.30 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

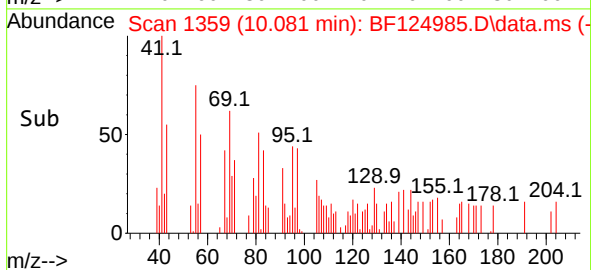
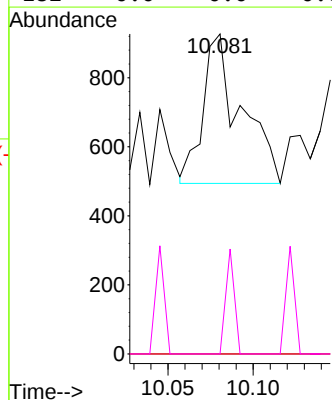
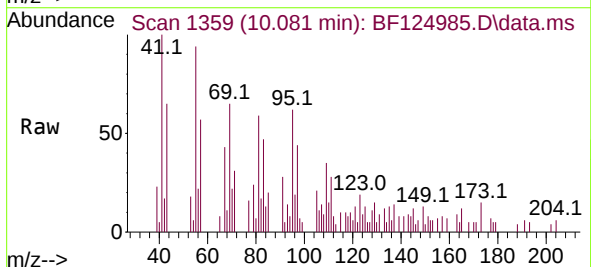
Instrument :
BNA_F
ClientSampled :
27193

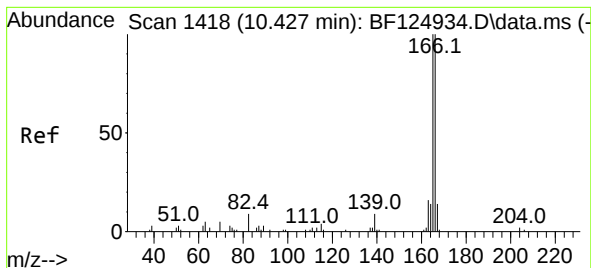
Tgt Ion:139 Resp: 425
Ion Ratio Lower Upper
139 100
109 616.6 60.4 100.4#
65 99.4 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 2.66 ng
RT: 10.081 min Scan# 1359
Delta R.T. 0.024 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:165 Resp: 671
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0





#58

Fluorene

Concen: 3.16 ng

RT: 10.422 min Scan# 1417

Delta R.T. 0.006 min

Lab File: BF124985.D

Acq: 7 Aug 2021 21:09

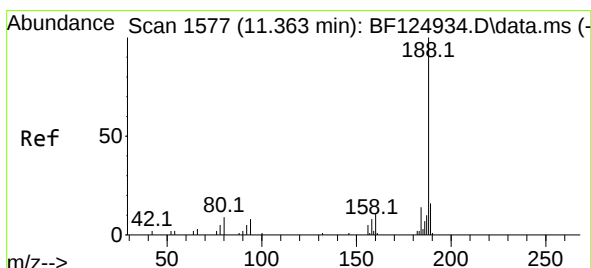
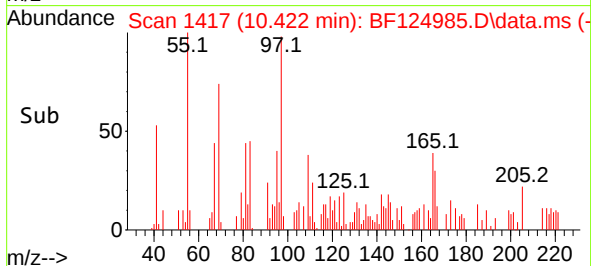
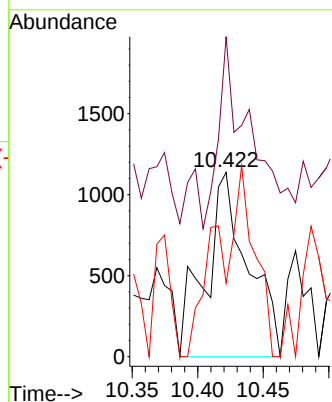
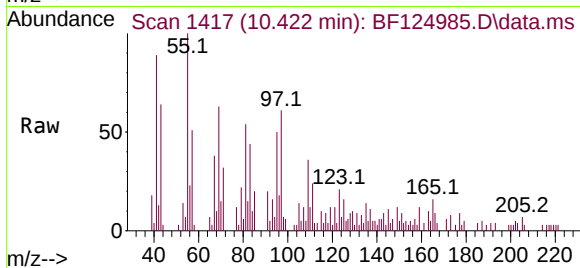
Instrument :

BNA_F

ClientSampleId :

27193

Tgt Ion:	166	Resp:	2545
Ion Ratio	Lower	Upper	
166	100		
165	173.6	78.1	117.1#
167	39.9	11.1	16.7#



#64

Phenanthrene-d10

Concen: 20.00 ng

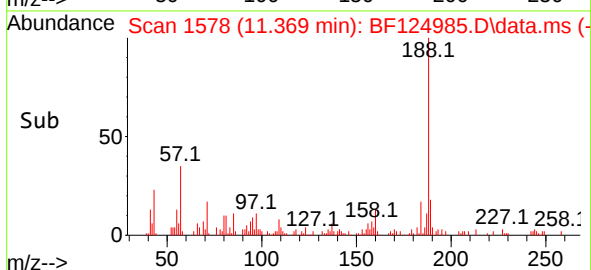
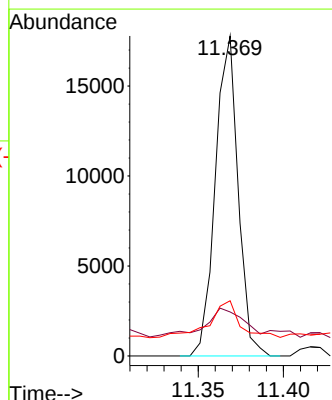
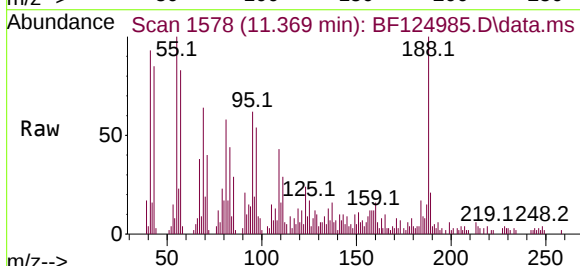
RT: 11.369 min Scan# 1578

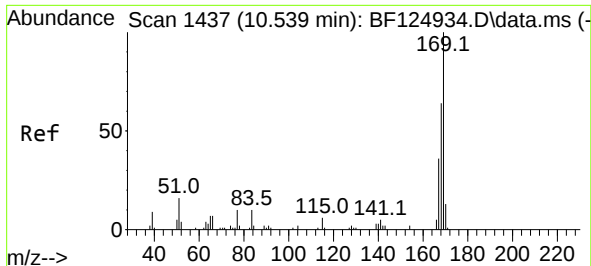
Delta R.T. 0.018 min

Lab File: BF124985.D

Acq: 7 Aug 2021 21:09

Tgt Ion:	188	Resp:	16461
Ion Ratio	Lower	Upper	
188	100		
94	13.8	6.7	10.1#
80	17.3	7.5	11.3#

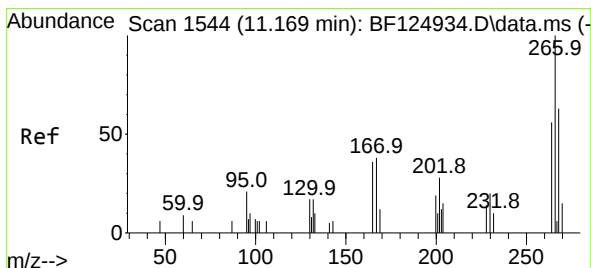
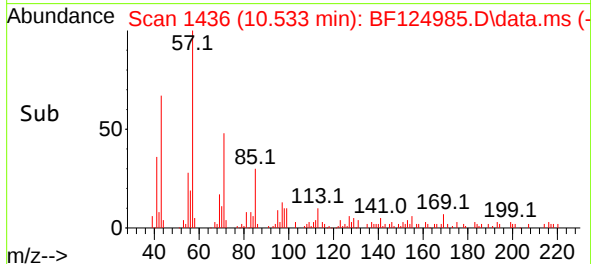
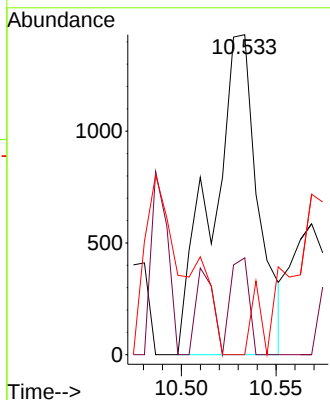
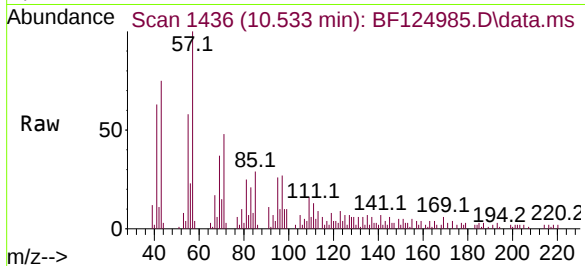




#66
n-Nitrosodiphenylamine
Concen: 4.54 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

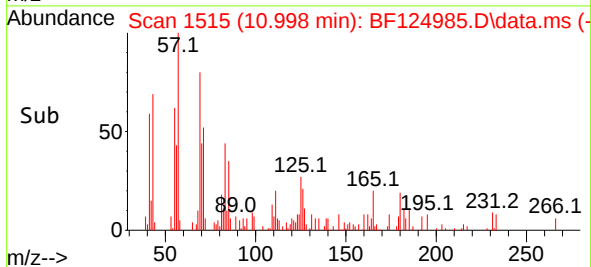
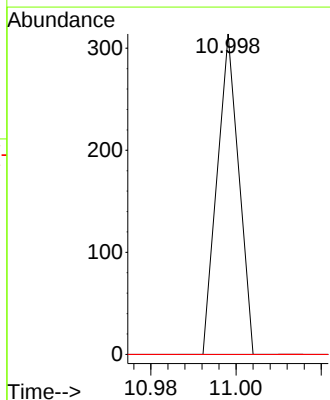
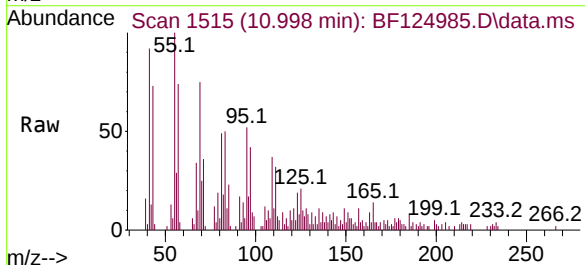
Instrument :
BNA_F
ClientSampled :
27193

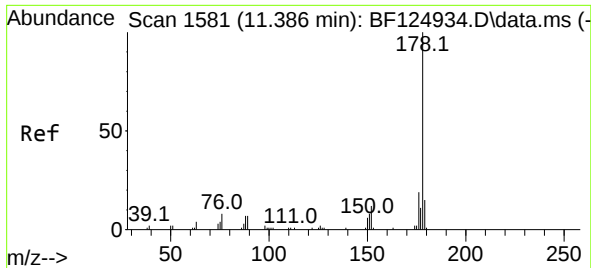
Tgt Ion:169 Resp: 2423
Ion Ratio Lower Upper
169 100
168 30.2 50.8 76.2#
167 0.0 28.8 43.2#



#70
Pentachlorophenol
Concen: 4.73 ng
RT: 10.998 min Scan# 1515
Delta R.T. -0.159 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:266 Resp: 111
Ion Ratio Lower Upper
266 100
268 0.0 48.9 73.3#
264 0.0 55.9 83.9#

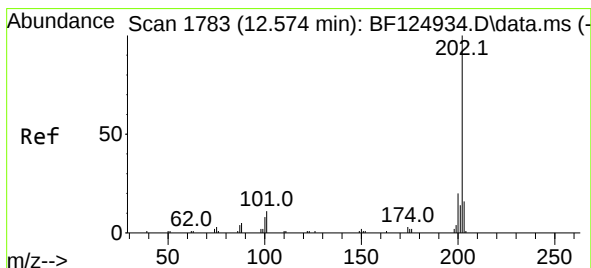
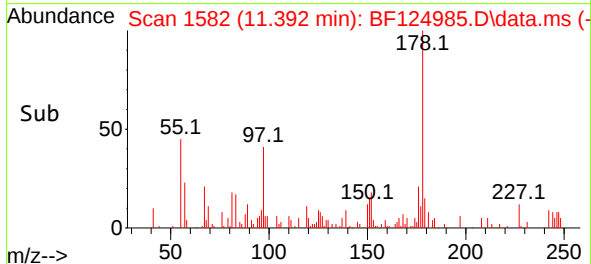
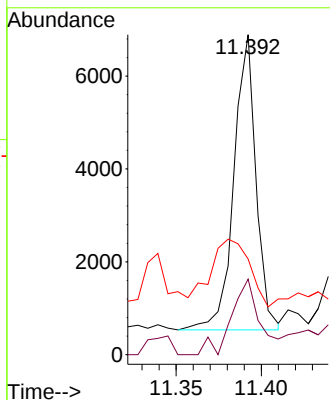
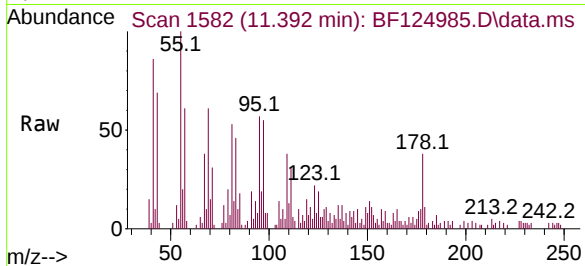




#71
Phenanthrene
Concen: 6.46 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

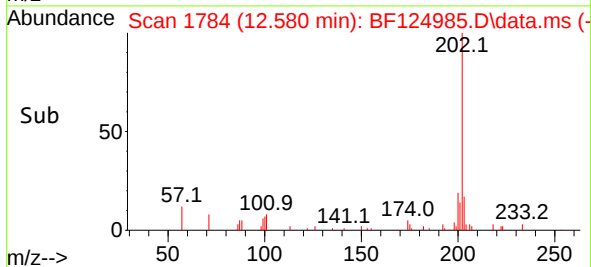
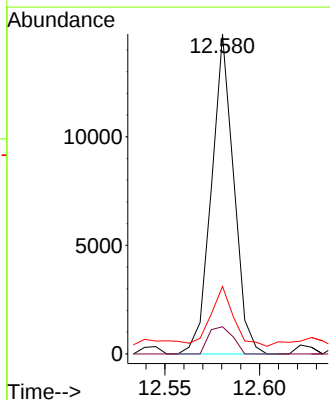
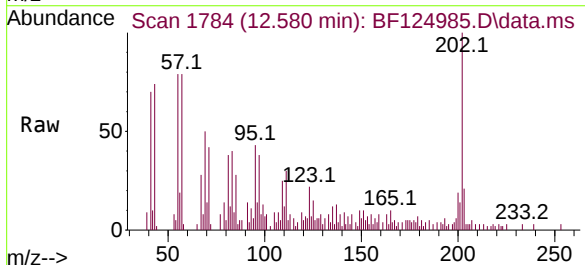
Instrument :
BNA_F
ClientSampled :
27193

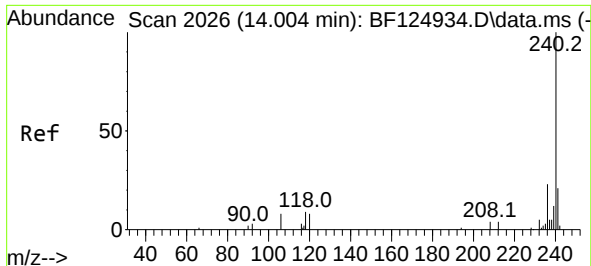
Tgt Ion:178 Resp: 5765
Ion Ratio Lower Upper
178 100
176 23.6 14.7 22.1#
179 29.9 11.5 17.3#



#75
Fluoranthene
Concen: 13.08 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.018 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:202 Resp: 12086
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 21.1 0.0 36.3

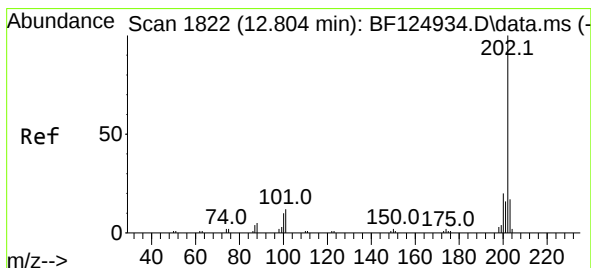
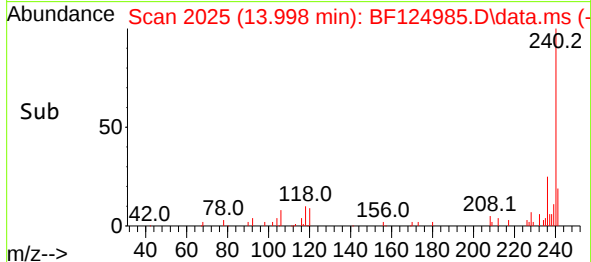
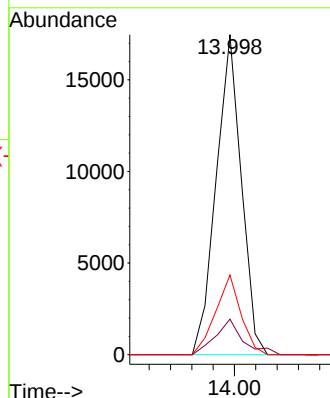
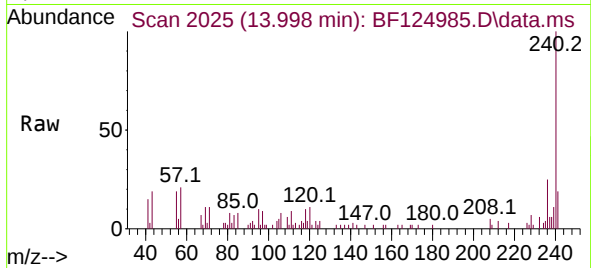




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

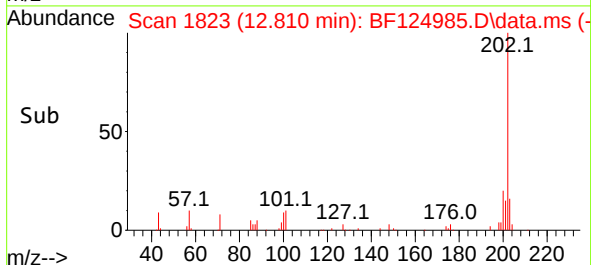
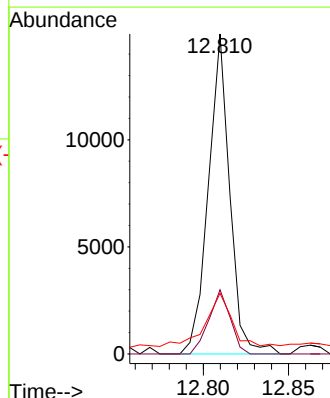
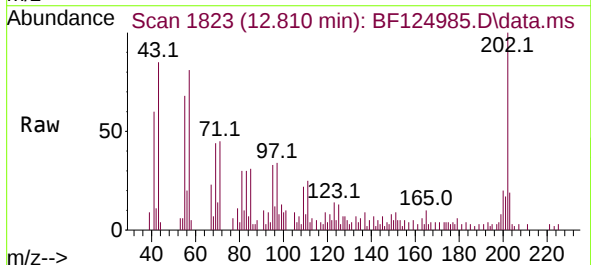
Instrument :
BNA_F
ClientSampleId :
27193

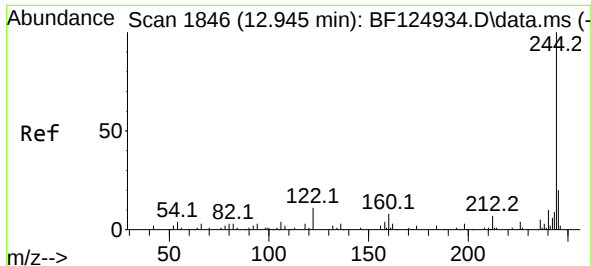
Tgt Ion:240 Resp: 14292
Ion Ratio Lower Upper
240 100
120 11.1 10.8 16.2
236 24.9 21.6 32.4



#78
Pyrene
Concen: 11.58 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.018 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

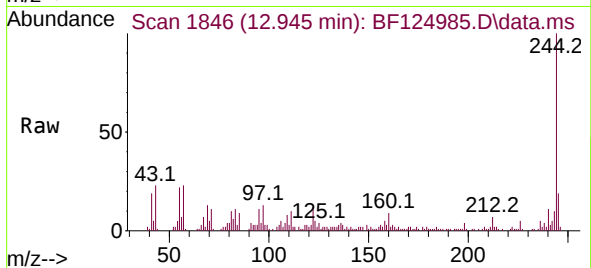
Tgt Ion:202 Resp: 13041
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 19.0 13.4 20.0



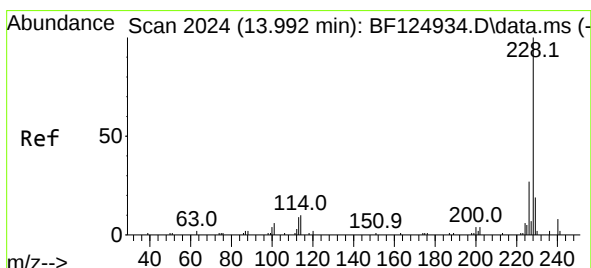
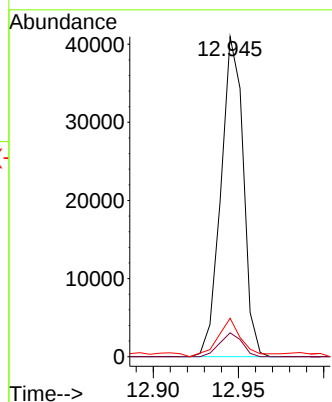
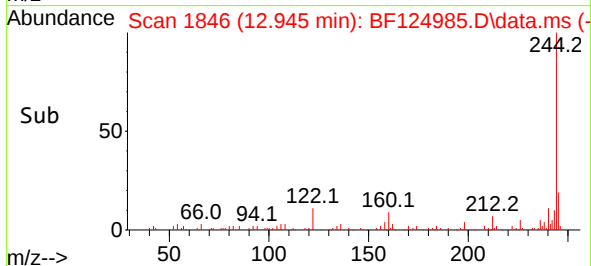


#79
 Terphenyl-d14
 Concen: 44.07 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: BF124985.D
 Acq: 7 Aug 2021 21:09

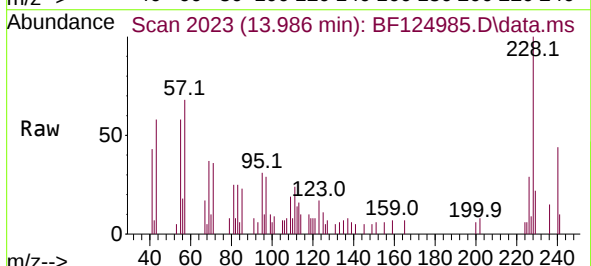
Instrument :
 BNA_F
 ClientSampleId :
 27193



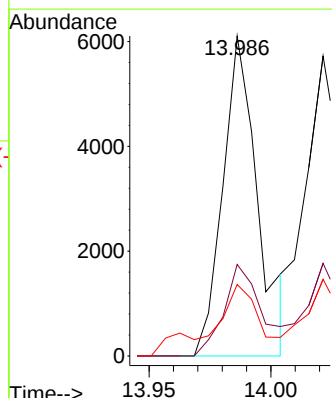
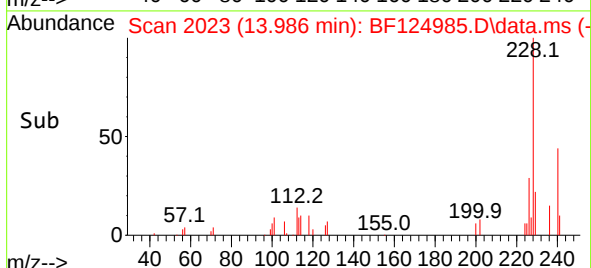
Tgt Ion:244 Resp: 37340
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 12.0 9.0 13.4

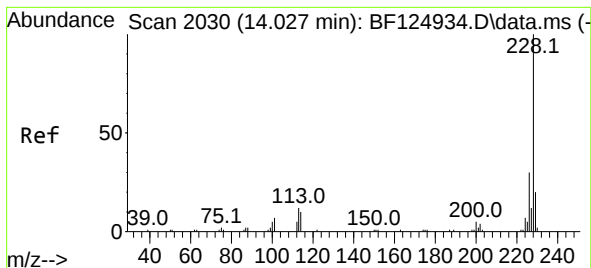


#81
 Benzo(a)anthracene
 Concen: 6.53 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.006 min
 Lab File: BF124985.D
 Acq: 7 Aug 2021 21:09



Tgt Ion:228 Resp: 6081
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 22.3 15.6 23.4





#83

Chrysene

Concen: 6.75 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.035 min

Lab File: BF124985.D

Acq: 7 Aug 2021 21:09

Tgt Ion:228 Resp: 6081

Ion Ratio Lower Upper

228 100

226 28.6 22.6 34.0

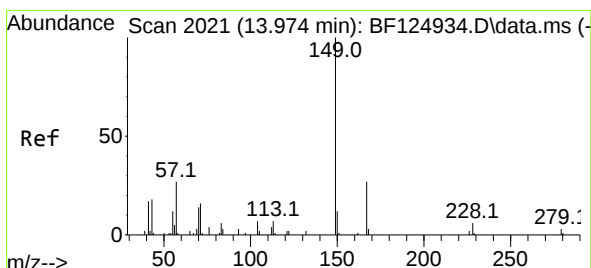
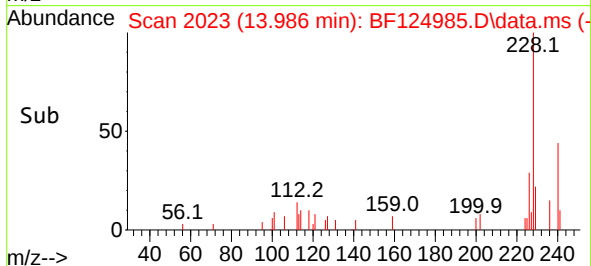
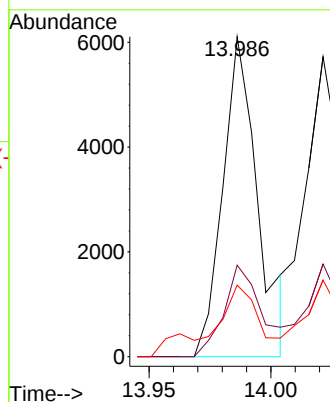
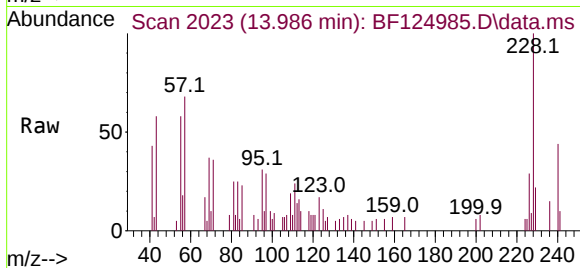
229 22.3 15.9 23.9

Instrument :

BNA_F

ClientSampled :

27193



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.07 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF124985.D

Acq: 7 Aug 2021 21:09

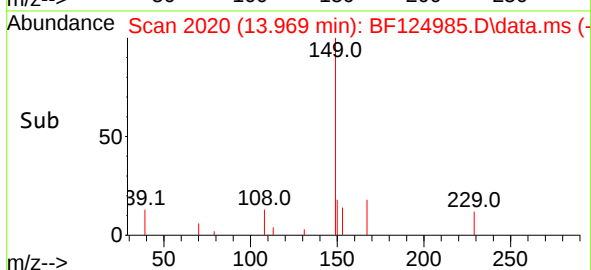
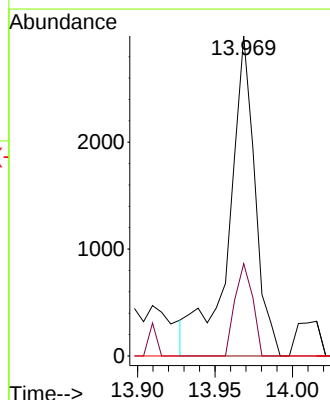
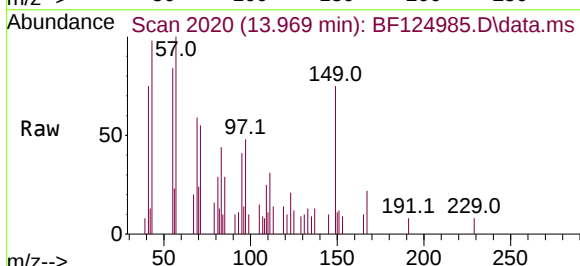
Tgt Ion:149 Resp: 3520

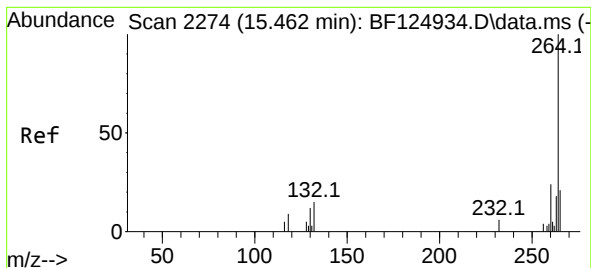
Ion Ratio Lower Upper

149 100

167 28.9 21.4 32.0

279 0.0 2.6 4.0#



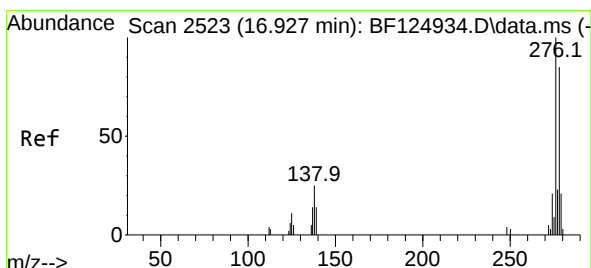
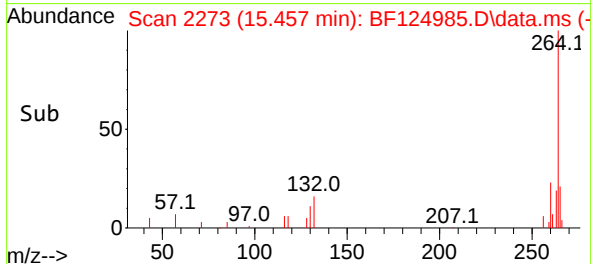
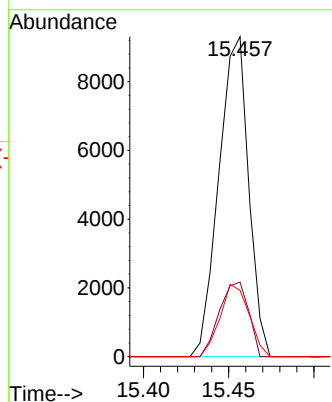
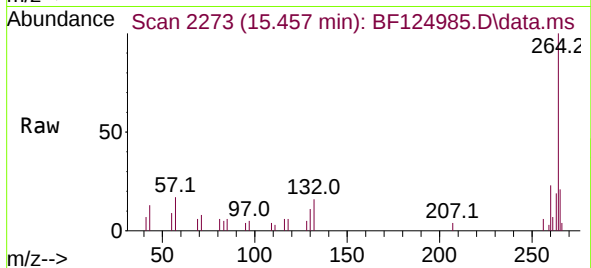


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Instrument :
BNA_F
ClientSampleId :
27193

Tgt Ion:264 Resp: 11308

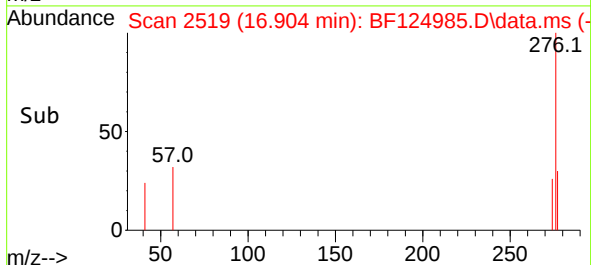
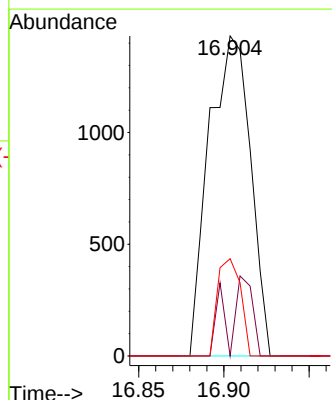
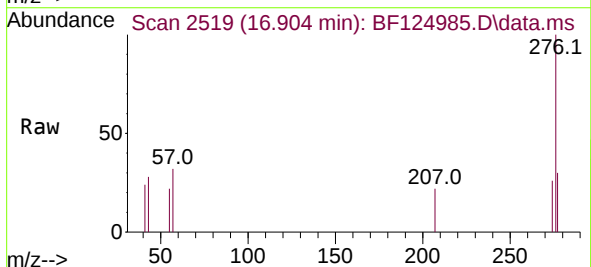
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	20.8	17.2	25.8

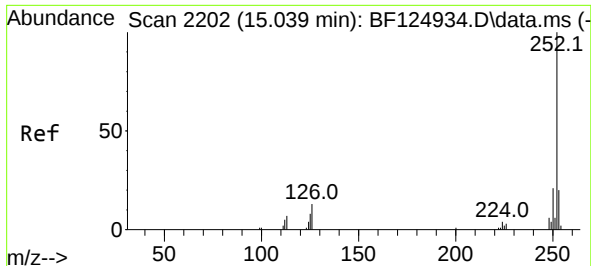


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.60 ng
RT: 16.904 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:276 Resp: 2421

Ion	Ratio	Lower	Upper
276	100		
138	14.5	24.1	36.1#
277	16.9	18.8	28.2#

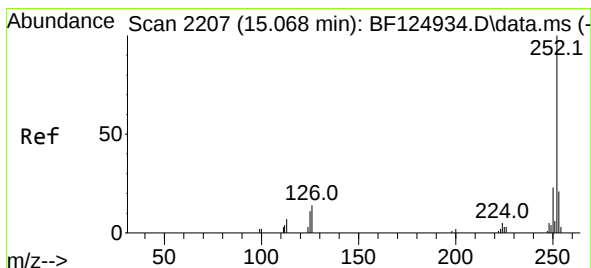
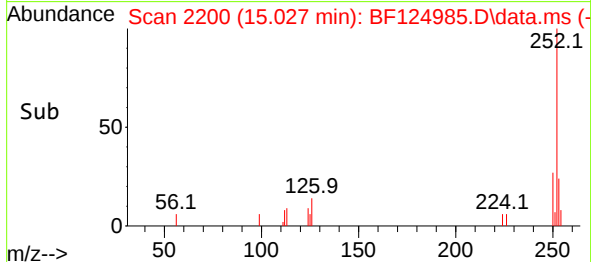
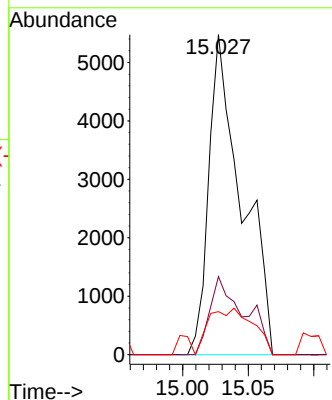
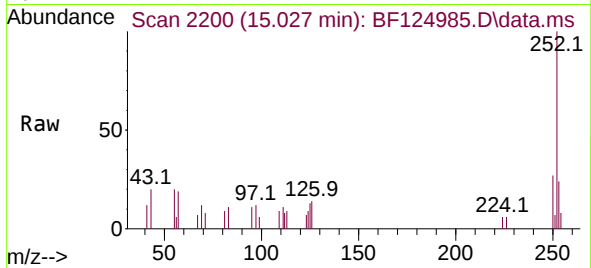




#88
Benzo(b)fluoranthene
Concen: 12.01 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

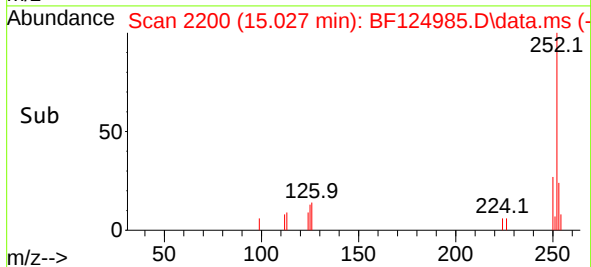
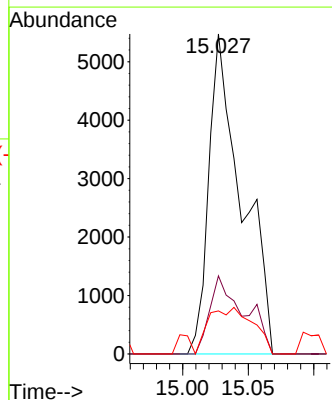
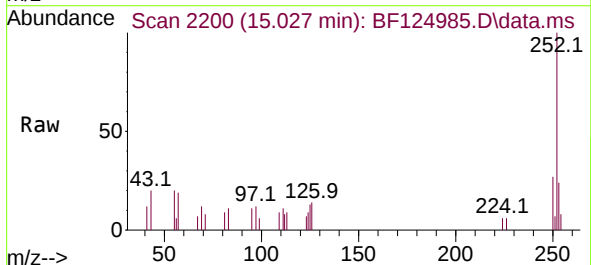
Instrument :
BNA_F
ClientSampleId :
27193

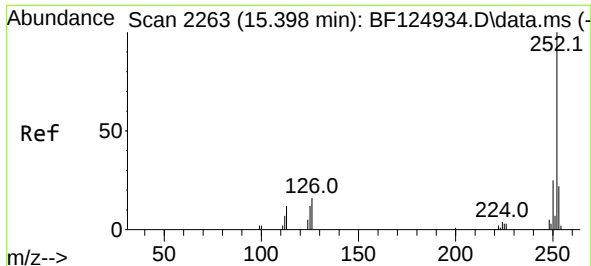
Tgt Ion:252 Resp: 9536
Ion Ratio Lower Upper
252 100
253 24.4 16.8 25.2
125 13.4 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 13.20 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.023 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:252 Resp: 9536
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 13.4 7.2 10.8#

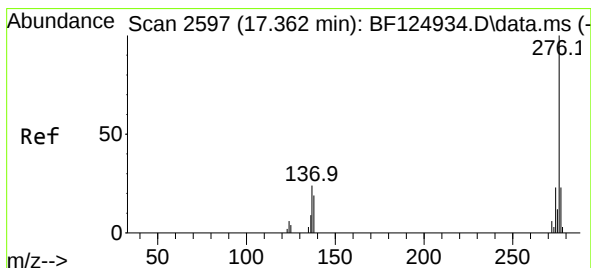
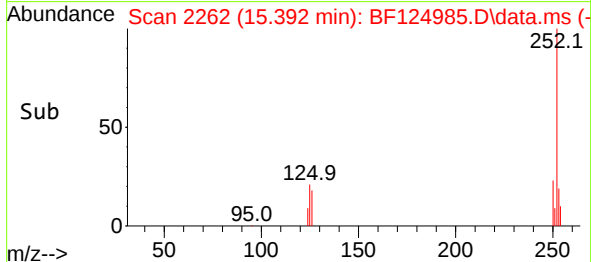
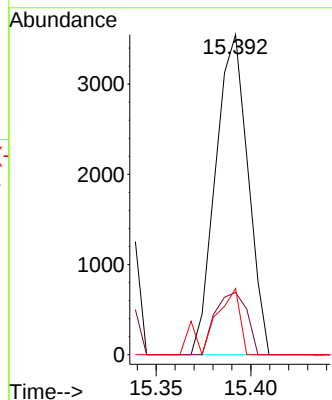
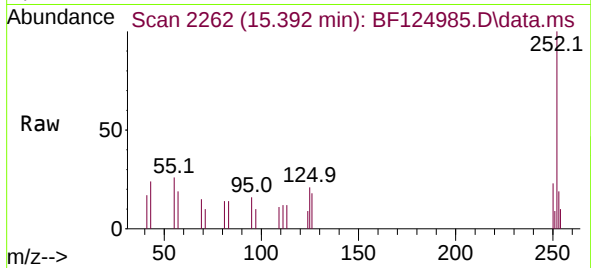




#90
Benzo(a)pyrene
Concen: 6.23 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Instrument :
BNA_F
ClientSampled :
27193

Tgt Ion:252 Resp: 4213
Ion Ratio Lower Upper
252 100
253 19.5 18.4 27.6
125 20.7 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 3.79 ng
RT: 17.345 min Scan# 2594
Delta R.T. 0.006 min
Lab File: BF124985.D
Acq: 7 Aug 2021 21:09

Tgt Ion:276 Resp: 2150
Ion Ratio Lower Upper
276 100
277 0.0 22.0 33.0#
138 23.8 22.2 33.4

