

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
 Data File : BF126149.D
 Acq On : 12 Nov 2021 10:43
 Operator : JU/CG
 Sample : PB140688BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB140688BL

Quant Time: Nov 15 06:34:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

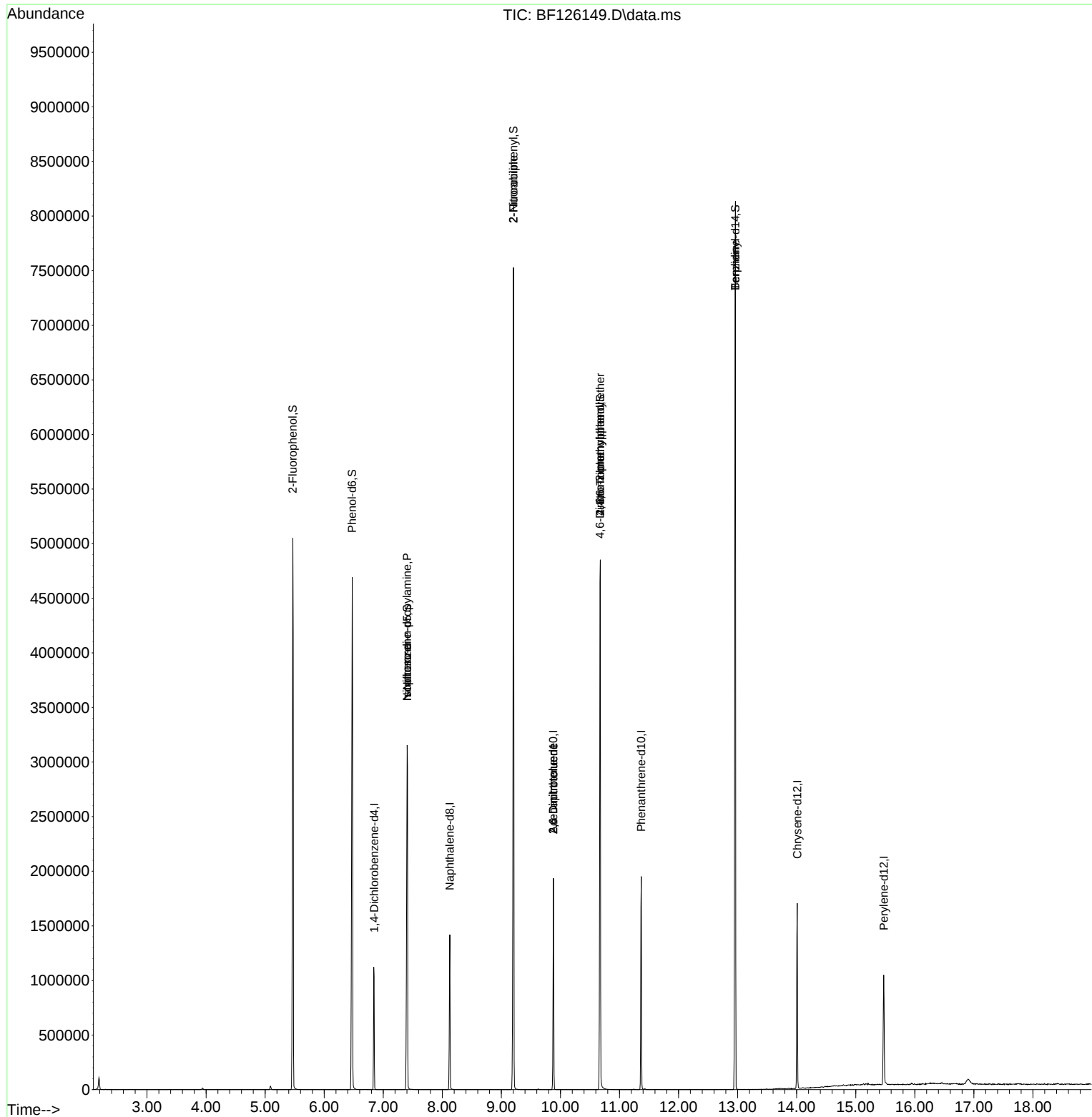
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	154601	20.000	ng	-0.01
21) Naphthalene-d8	8.128	136	583066	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	357073	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	690983	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	581257	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	459058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1259407	139.893	ng	0.00
7) Phenol-d6	6.475	99	1645779	129.682	ng	-0.01
23) Nitrobenzene-d5	7.404	82	1178963	95.358	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	611970	149.550	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	2241301	84.823	ng	-0.01
79) Terphenyl-d14	12.963	244	2931795	81.335	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.469	77	3155	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	170082	20.329	ng	# 60
25) Isophorone	7.404	82	1166313	52.396	ng	# 59
48) 2-Nitroaniline	9.204	65	4380	3.429	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	45513	10.214	ng	# 28
57) 2,4-Dinitrotoluene	9.880	165	45513	9.788	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	1428	8.672	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	41060	4.906	ng	# 1
77) Benzidine	12.963	184	45473	2.340	ng	95

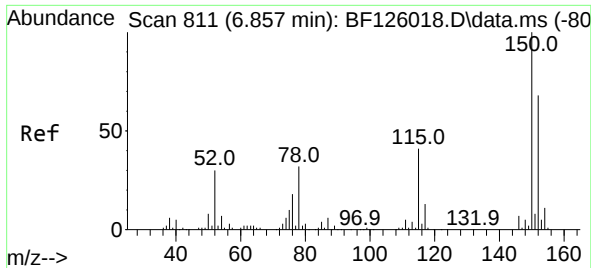
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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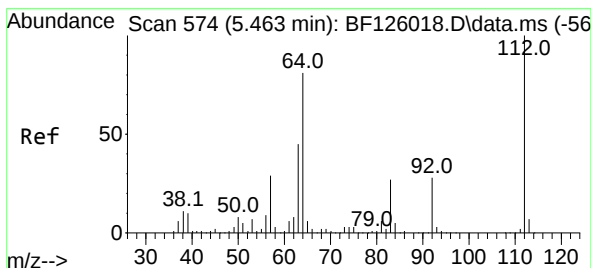
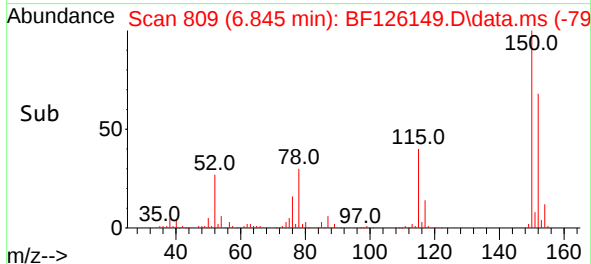
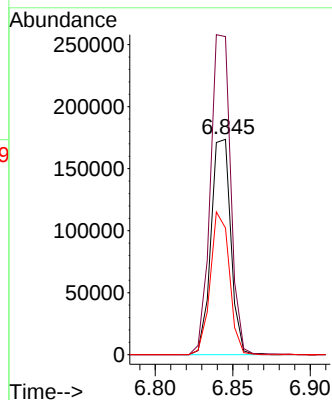
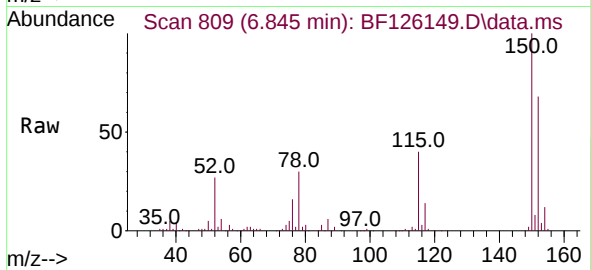




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

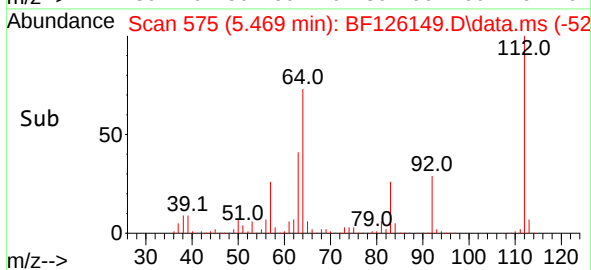
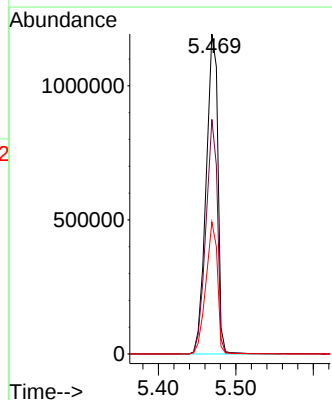
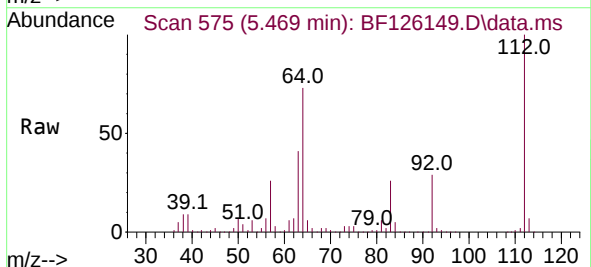
Instrument :
BNA_F
ClientSampleId :
PB140688BL

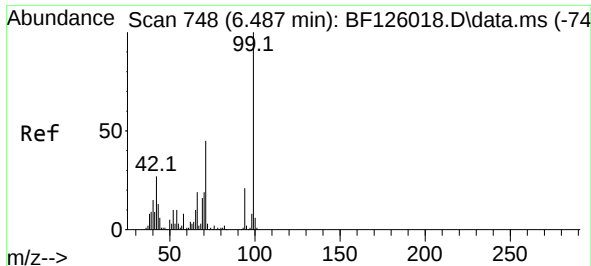
Tgt Ion:152 Resp: 154601
Ion Ratio Lower Upper
152 100
150 147.7 117.6 176.4
115 58.8 47.1 70.7



#5
2-Fluorophenol
Concen: 139.893 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion:112 Resp: 1259407
Ion Ratio Lower Upper
112 100
64 73.3 44.2 66.2#
63 41.3 26.2 39.2#

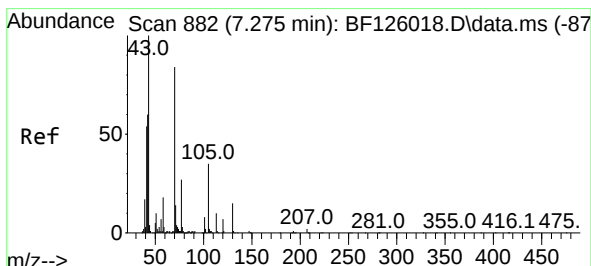
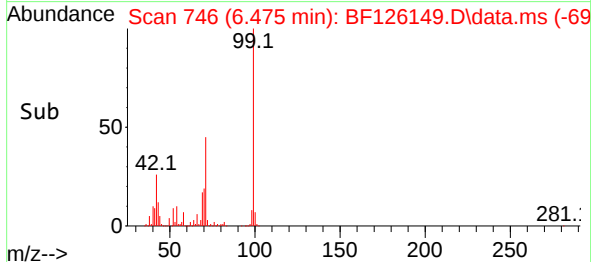
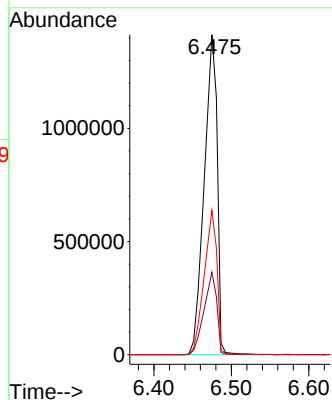
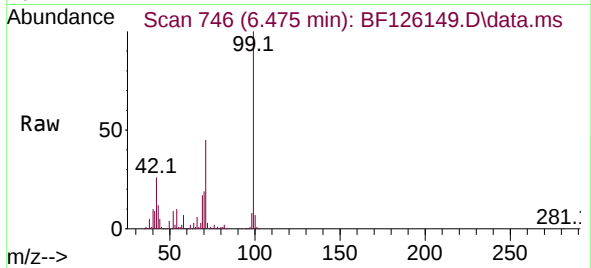




#7
Phenol-d6
Concen: 129.682 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

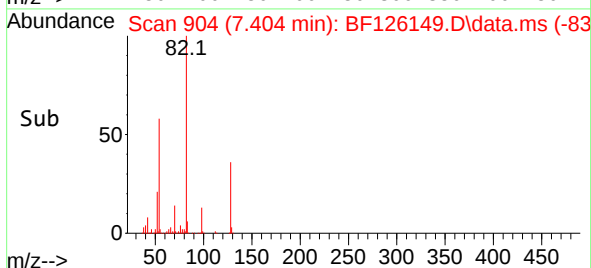
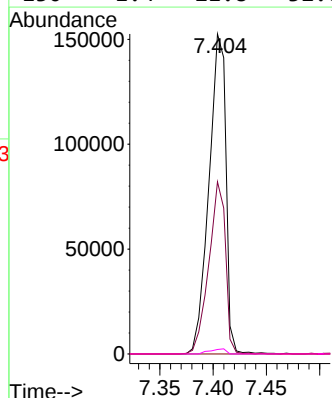
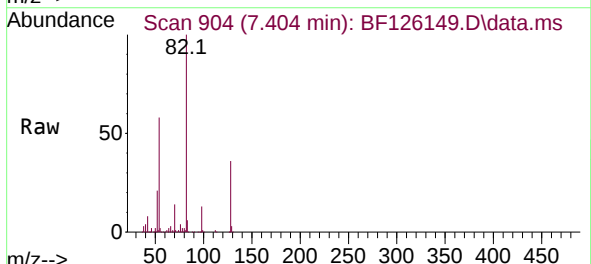
Instrument :
BNA_F
ClientSampleId :
PB140688BL

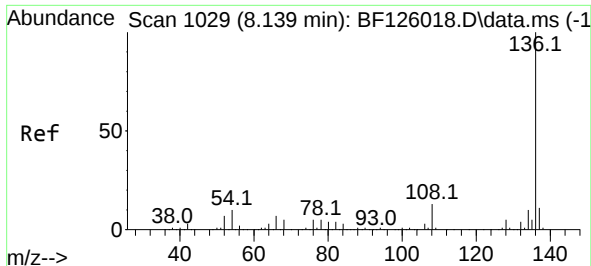
Tgt Ion: 99 Resp: 1645779
Ion Ratio Lower Upper
99 100
42 25.7 23.5 35.3
71 45.1 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 20.329 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion: 70 Resp: 170082
Ion Ratio Lower Upper
70 100
42 53.8 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#

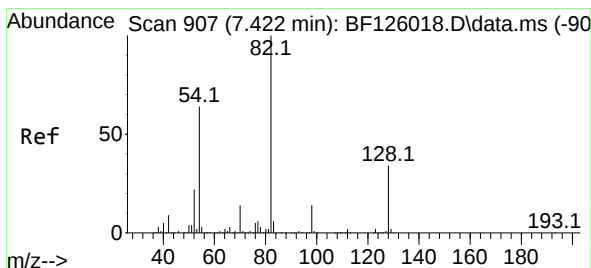
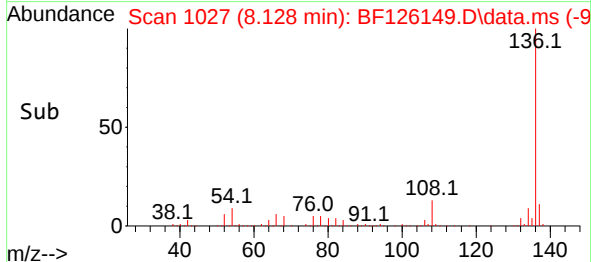
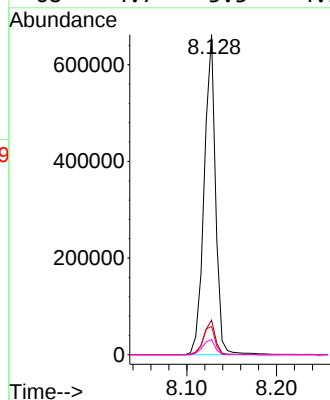
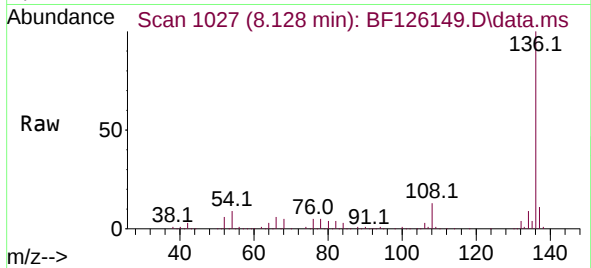




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.011 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

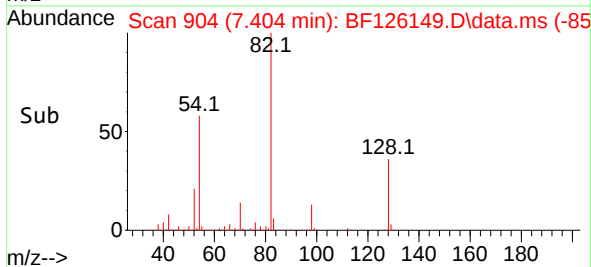
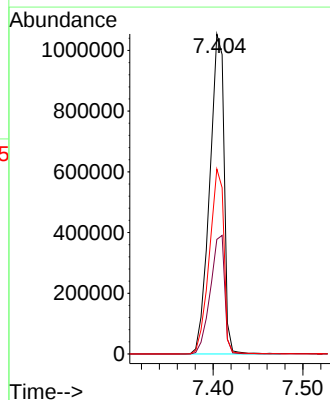
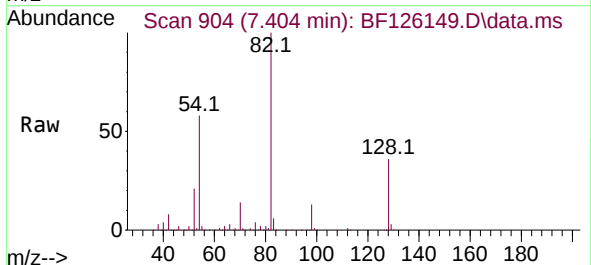
Instrument :
BNA_F
ClientSampleId :
PB140688BL

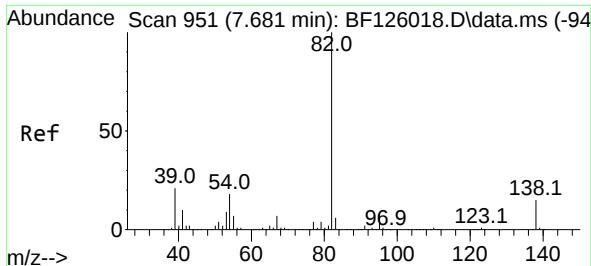
Tgt Ion:136 Resp: 583066
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 8.8 6.4 9.6
68 4.7 3.3 4.9



#23
Nitrobenzene-d5
Concen: 95.358 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion: 82 Resp: 1178963
Ion Ratio Lower Upper
82 100
128 35.8 40.6 60.8#
54 57.8 49.6 74.4

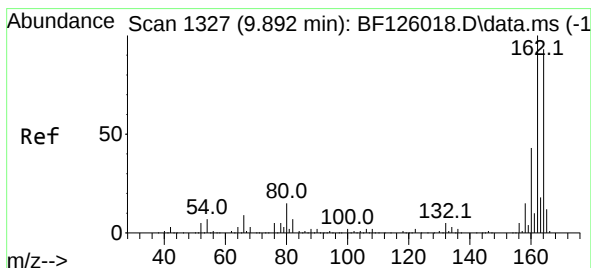
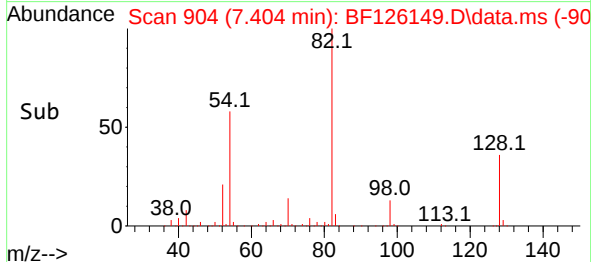
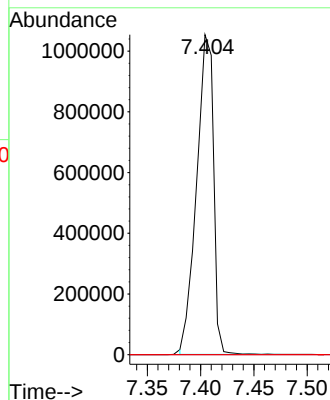
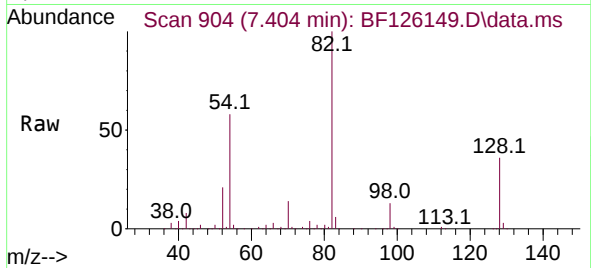




#25
Isophorone
Concen: 52.396 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

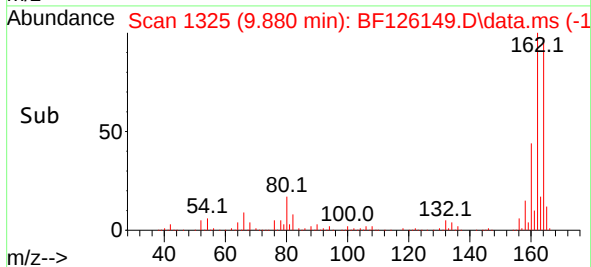
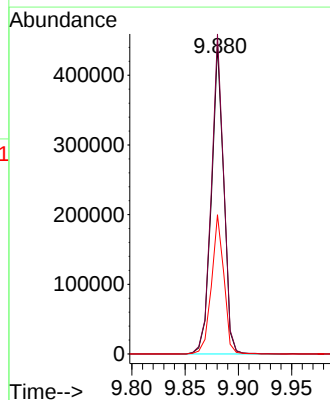
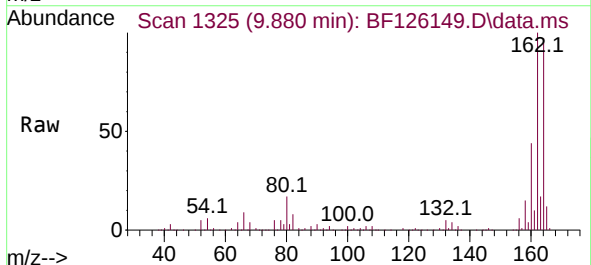
Instrument :
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ClientSampleId :
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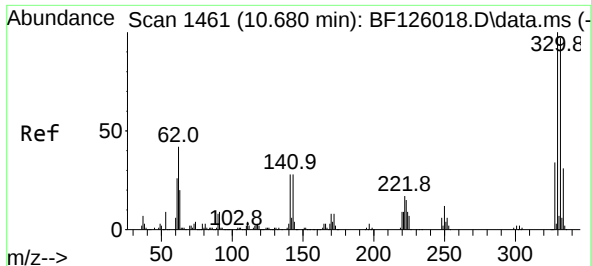
Tgt Ion: 82 Resp: 1166313
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion:164 Resp: 357073
Ion Ratio Lower Upper
164 100
162 103.6 81.3 121.9
160 45.1 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 149.550 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126149.D

Acq: 12 Nov 2021 10:43

Instrument :

BNA_F

ClientSampleId :

PB140688BL

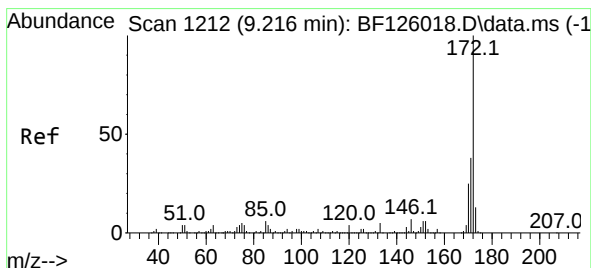
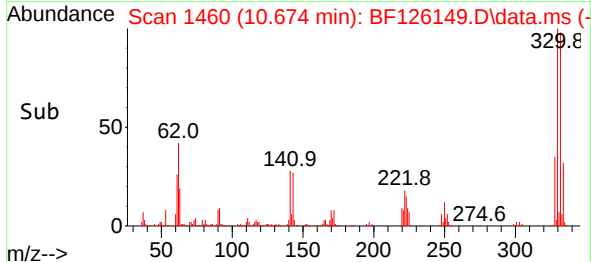
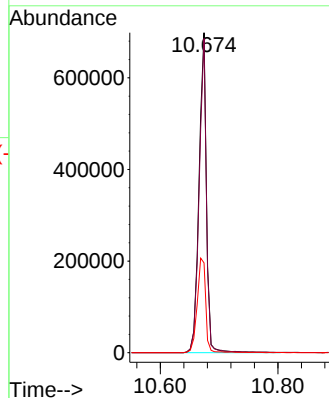
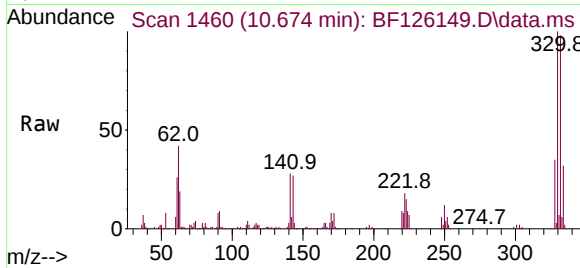
Tgt Ion:330 Resp: 611970

Ion Ratio Lower Upper

330 100

332 95.7 76.2 114.4

141 34.0 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 84.823 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.012 min

Lab File: BF126149.D

Acq: 12 Nov 2021 10:43

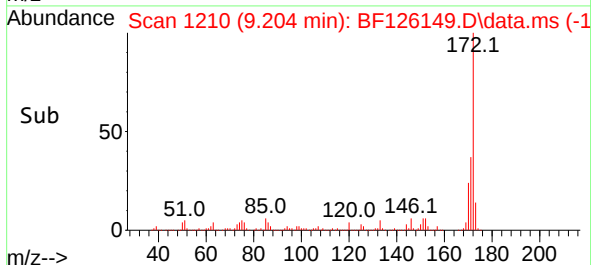
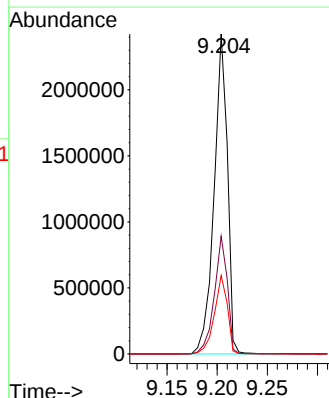
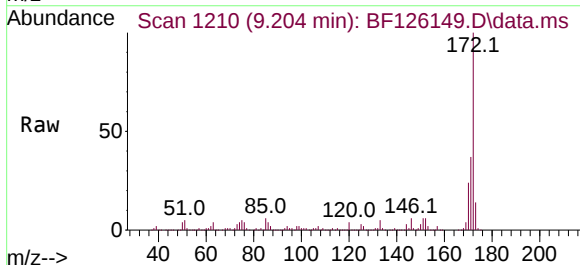
Tgt Ion:172 Resp: 2241301

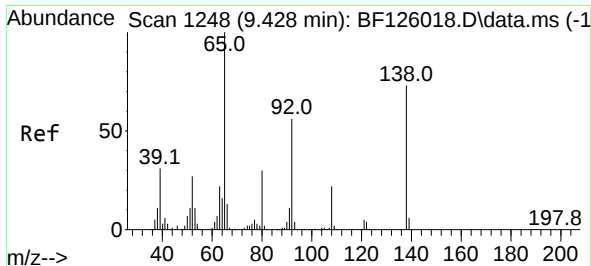
Ion Ratio Lower Upper

172 100

171 36.8 26.5 39.7

170 24.5 18.8 28.2

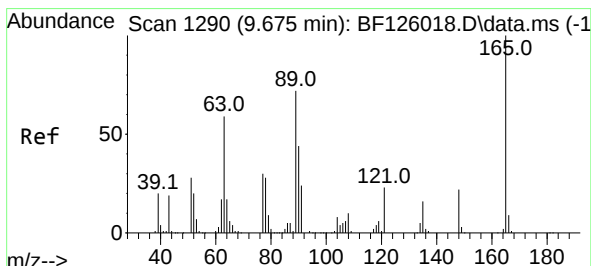
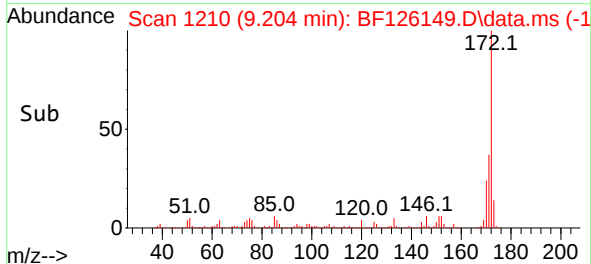
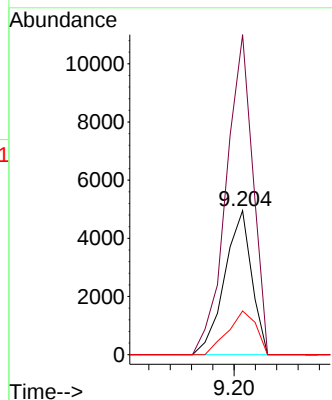
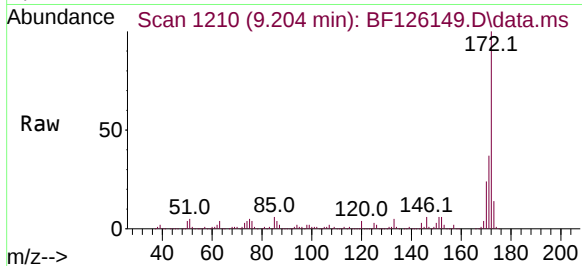




#48
2-Nitroaniline
Concen: 3.429 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

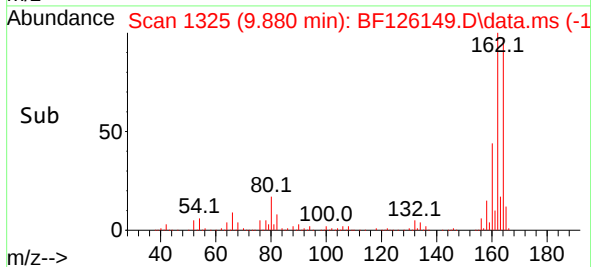
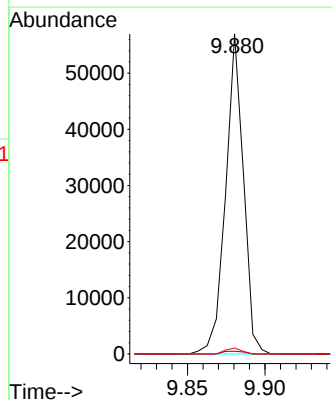
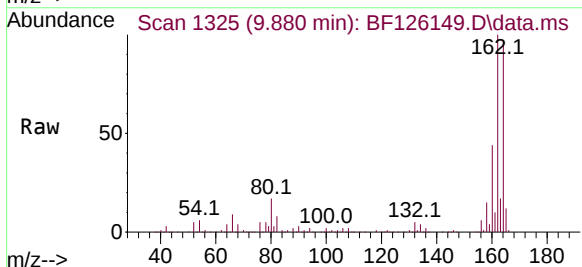
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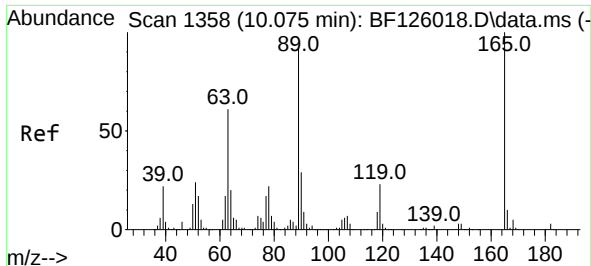
Tgt Ion: 65 Resp: 4380
Ion Ratio Lower Upper
65 100
92 222.3 55.5 83.3#
138 30.4 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.214 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.205 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion: 165 Resp: 45513
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.9 40.6 60.8#

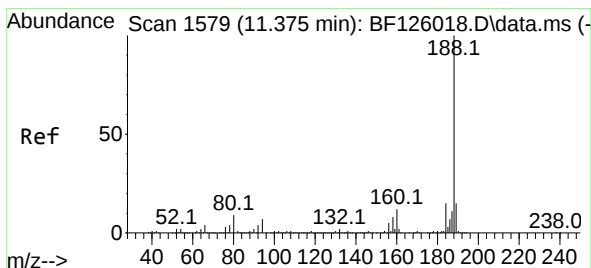
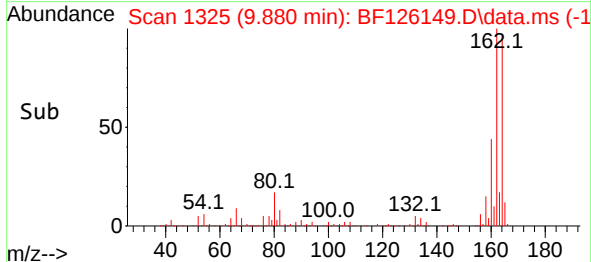
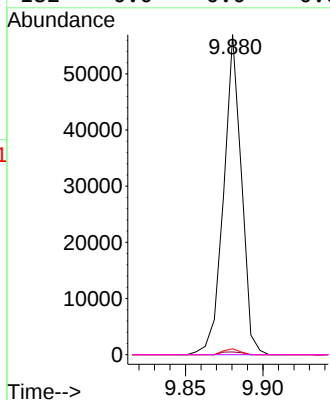
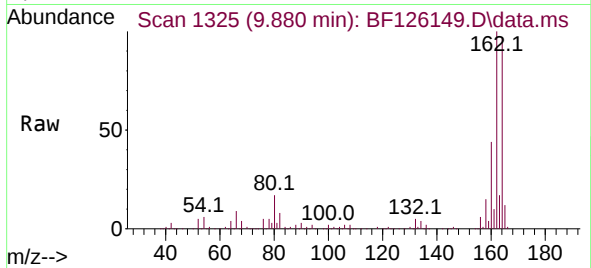




#57
2,4-Dinitrotoluene
Concen: 9.788 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

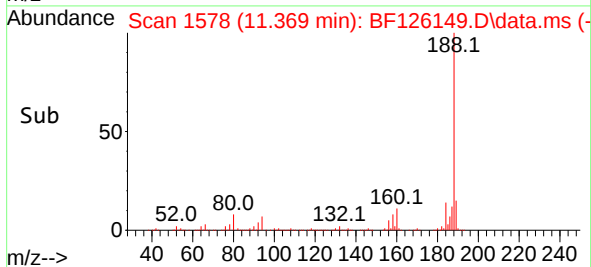
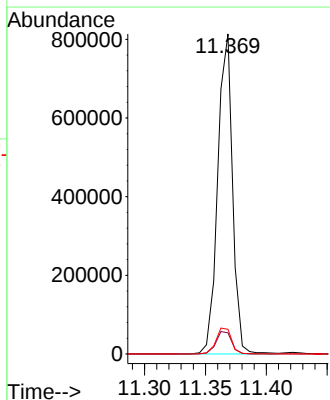
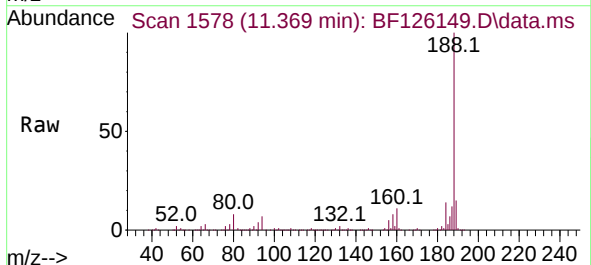
Instrument :
BNA_F
ClientSampleId :
PB140688BL

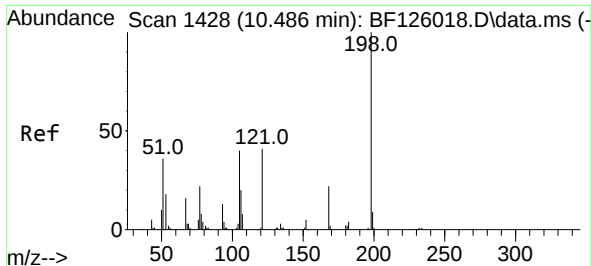
Tgt Ion:165 Resp: 45513
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.9 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion:188 Resp: 690983
Ion Ratio Lower Upper
188 100
94 6.6 6.7 10.1#
80 7.7 7.5 11.3

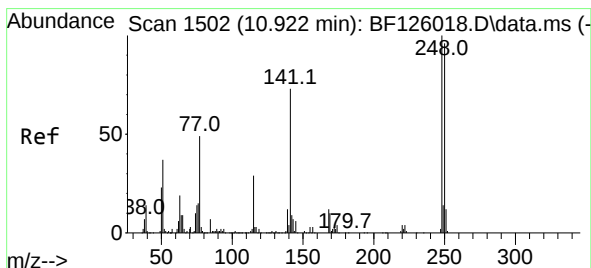
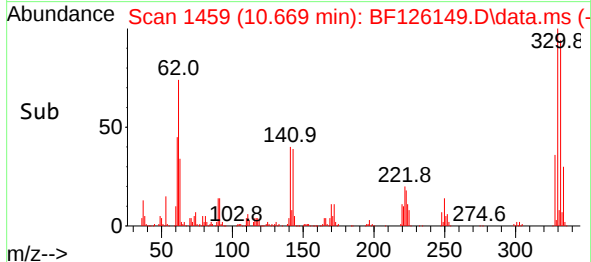
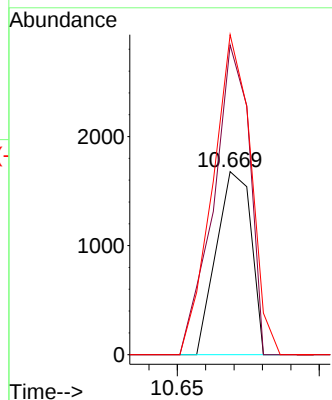
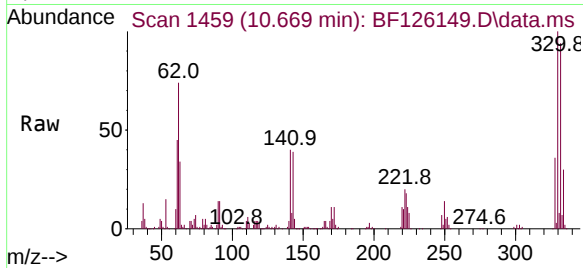




#65
4,6-Dinitro-2-methylphenol
Concen: 8.672 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

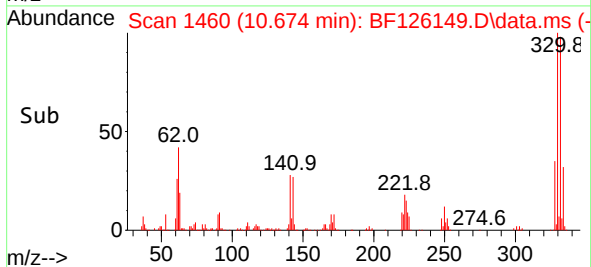
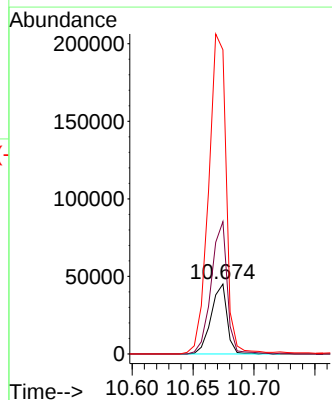
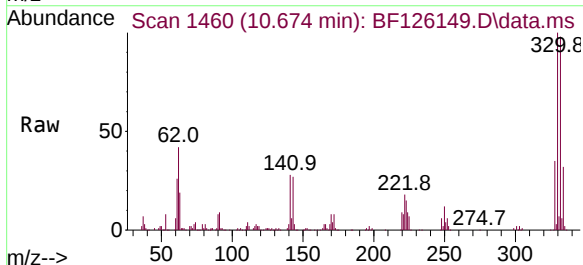
Instrument :
BNA_F
ClientSampleId :
PB140688BL

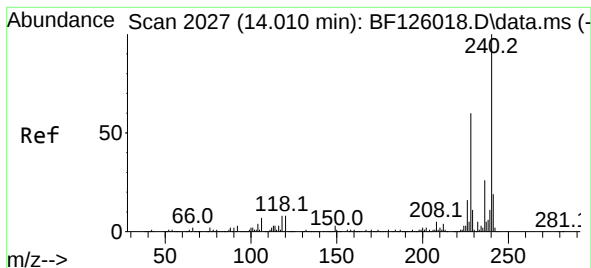
Tgt Ion:198 Resp: 1428
Ion Ratio Lower Upper
198 100
51 169.1 45.3 85.3#
105 174.7 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.906 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126149.D
Acq: 12 Nov 2021 10:43

Tgt Ion:248 Resp: 41060
Ion Ratio Lower Upper
248 100
250 189.3 74.2 111.4#
141 435.1 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF126149.D

Acq: 12 Nov 2021 10:43

Instrument :

BNA_F

ClientSampleId :

PB140688BL

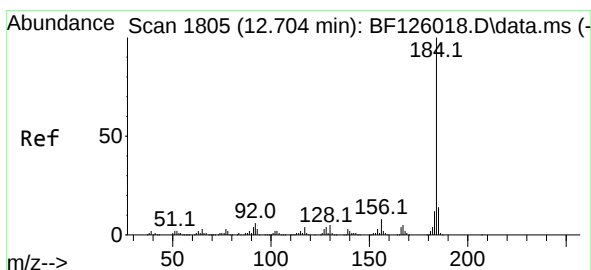
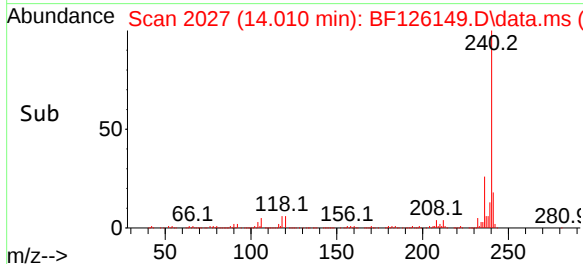
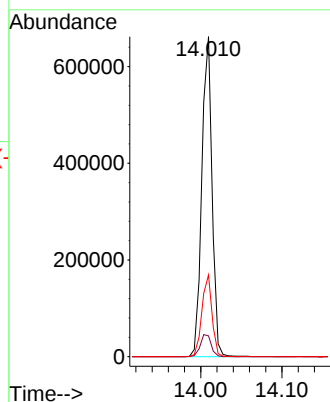
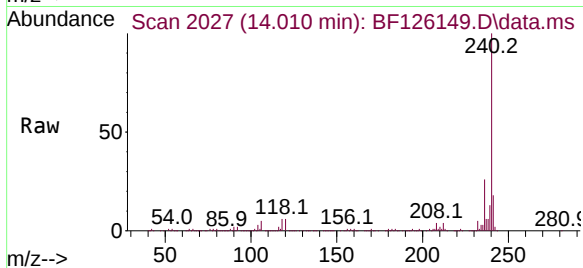
Tgt Ion:240 Resp: 581257

Ion Ratio Lower Upper

240 100

120 6.5 10.8 16.2#

236 25.6 21.6 32.4



#77

Benzidine

Concen: 2.340 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.259 min

Lab File: BF126149.D

Acq: 12 Nov 2021 10:43

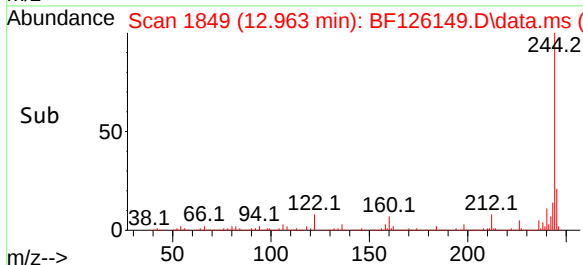
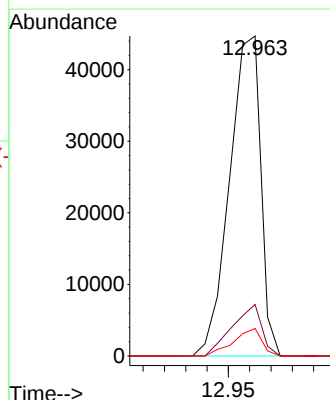
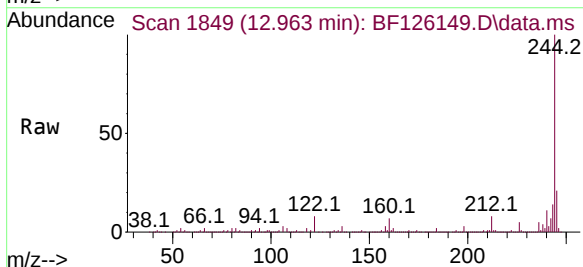
Tgt Ion:184 Resp: 45473

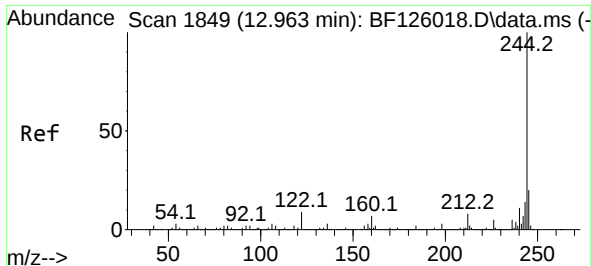
Ion Ratio Lower Upper

184 100

185 16.1 10.8 16.2

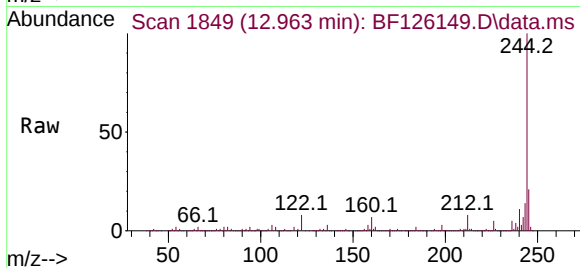
183 8.6 8.1 12.1



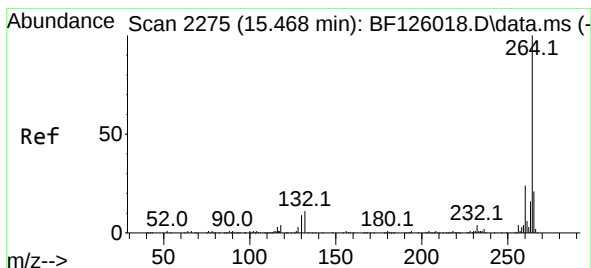
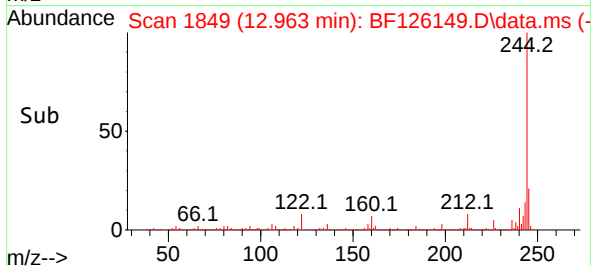
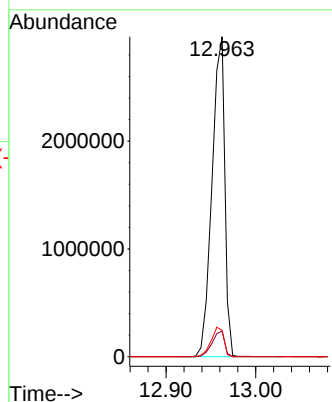


#79
 Terphenyl-d14
 Concen: 81.335 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF126149.D
 Acq: 12 Nov 2021 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB140688BL



Tgt Ion:244 Resp: 2931795
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 8.2 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF126149.D
 Acq: 12 Nov 2021 10:43

Tgt Ion:264 Resp: 459058
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.6 29.4
 265 21.4 17.2 25.8

