

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
 Data File : BF126156.D
 Acq On : 12 Nov 2021 14:49
 Operator : JU/CG
 Sample : M4572-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4

Quant Time: Nov 15 06:36:05 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)

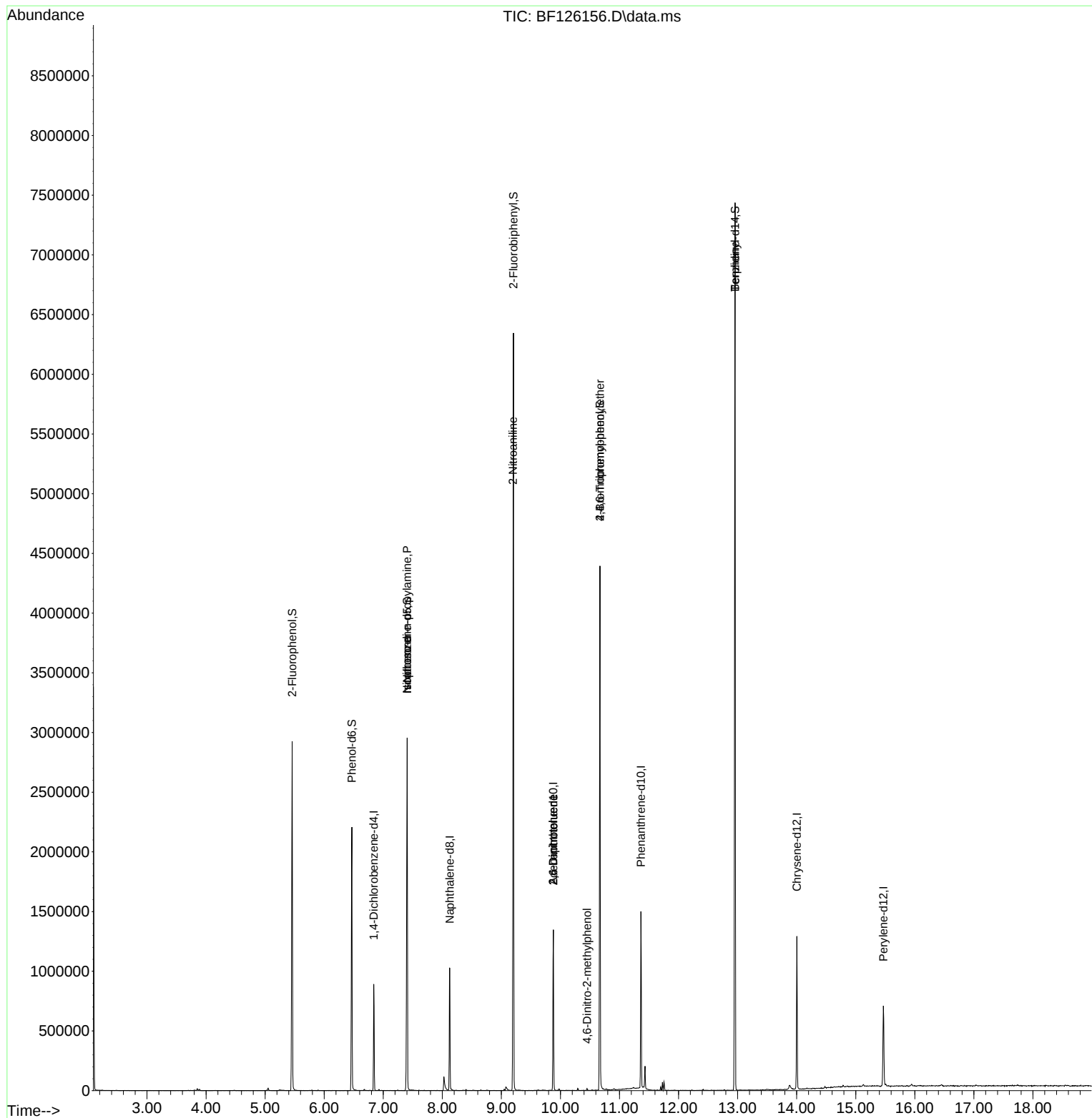
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	116779	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	428040	20.000	ng	#-0.01
39) Acenaphthene-d10	9.880	164	260058	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	507467	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	402259	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	310070	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	659193	96.937	ng	0.00
7) Phenol-d6	6.469	99	587653	61.303	ng	-0.02
23) Nitrobenzene-d5	7.404	82	867398	95.568	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	454592	152.533	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1718749	89.313	ng	-0.01
79) Terphenyl-d14	12.957	244	2366531	94.868	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.469	77	959	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	125024	19.783	ng	# 59
25) Isophorone	7.404	82	861882	52.743	ng	# 59
48) 2-Nitroaniline	9.198	65	2977	3.390	ng	# 3
51) 2,6-Dinitrotoluene	9.880	165	33685	10.380	ng	# 29
57) 2,4-Dinitrotoluene	9.880	165	33685	9.895	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.451	198	612	8.524	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	30307	4.931	ng	# 1
77) Benzidine	12.957	184	36932	2.746	ng	96

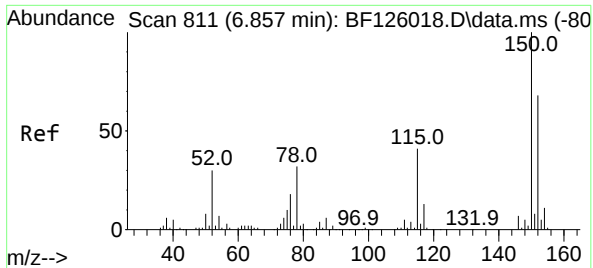
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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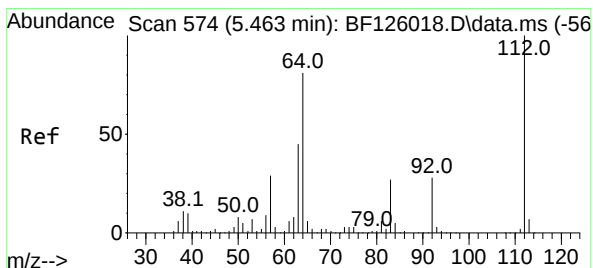
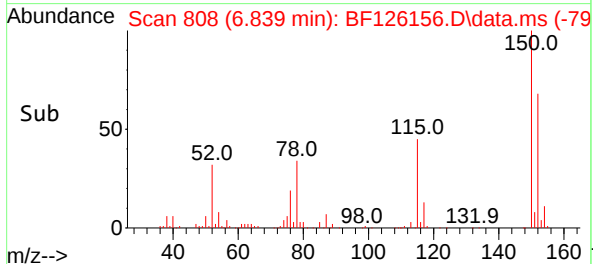
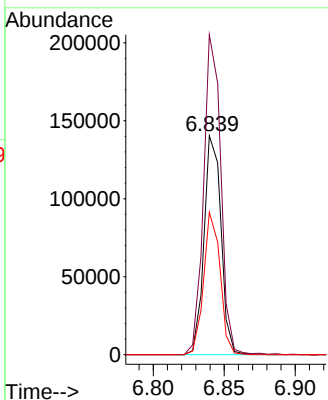
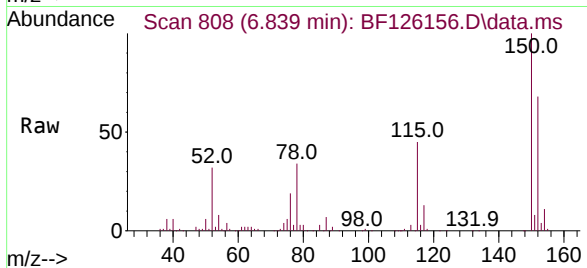




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

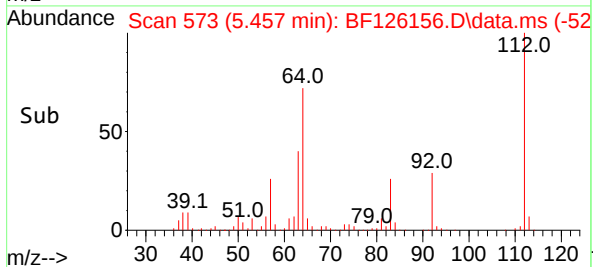
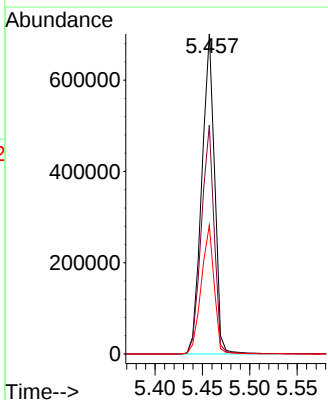
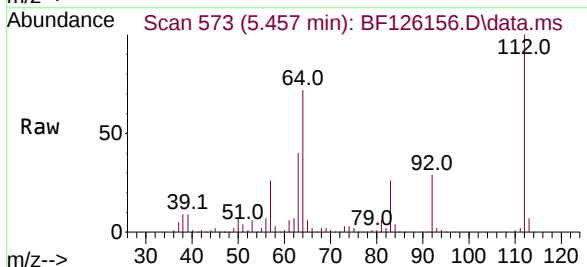
Instrument :
BNA_F
ClientSampleId :
4

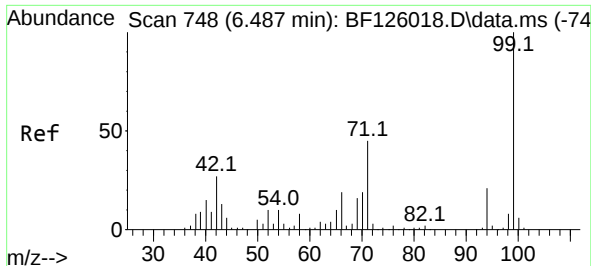
Tgt Ion:152 Resp: 116779
Ion Ratio Lower Upper
152 100
150 146.1 117.6 176.4
115 65.0 47.1 70.7



#5
2-Fluorophenol
Concen: 96.937 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion:112 Resp: 659193
Ion Ratio Lower Upper
112 100
64 71.5 44.2 66.2#
63 40.3 26.2 39.2#

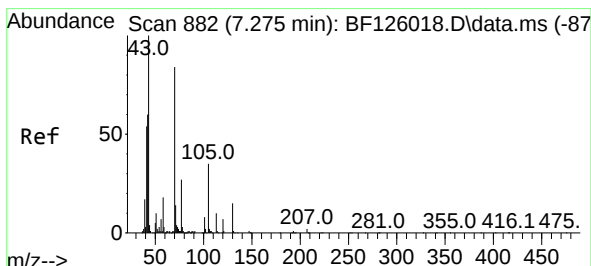
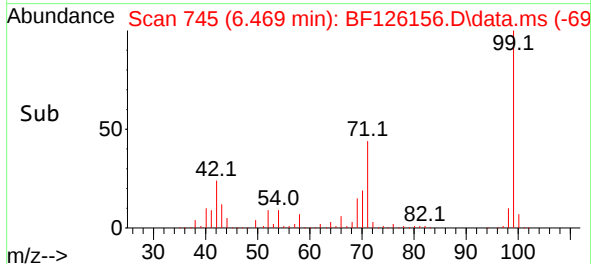
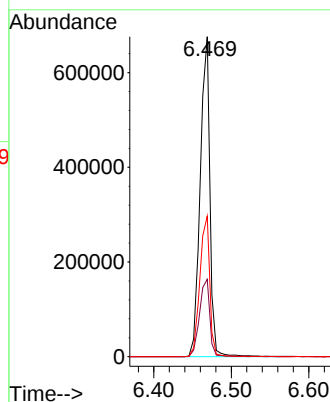
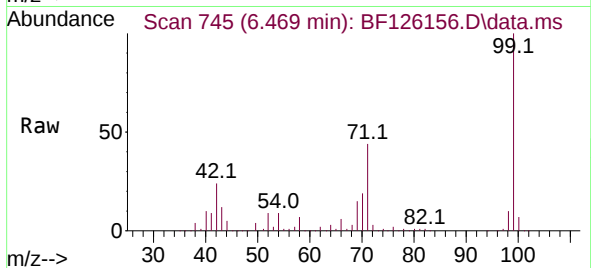




#7
Phenol-d6
Concen: 61.303 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

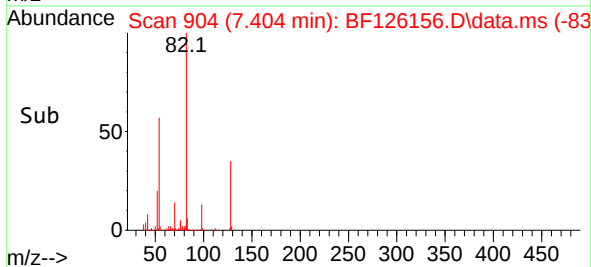
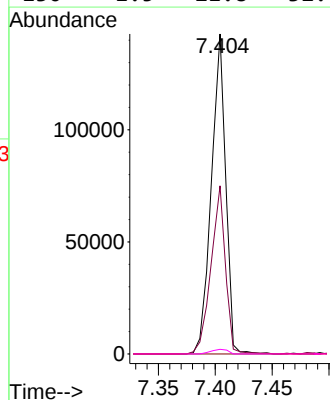
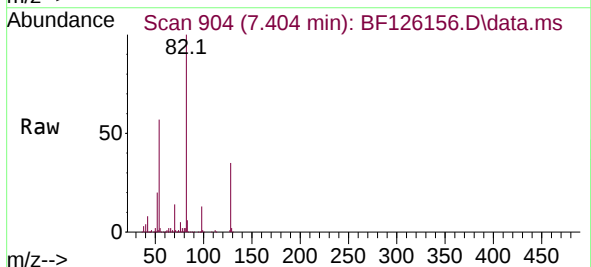
Instrument :
BNA_F
ClientSampleId :
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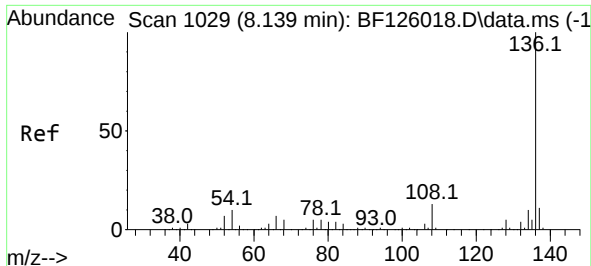
Tgt Ion: 99 Resp: 587653
Ion Ratio Lower Upper
99 100
42 24.2 23.5 35.3
71 43.9 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 19.783 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion: 70 Resp: 125024
Ion Ratio Lower Upper
70 100
42 52.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.5 21.8 32.6#

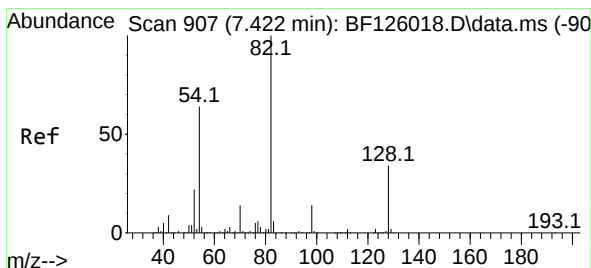
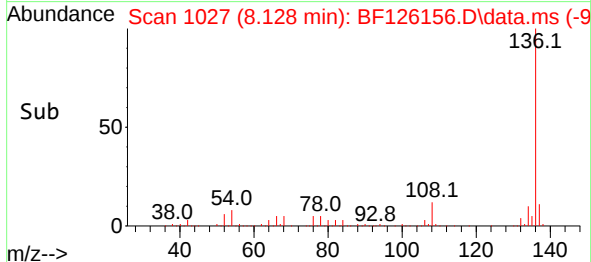
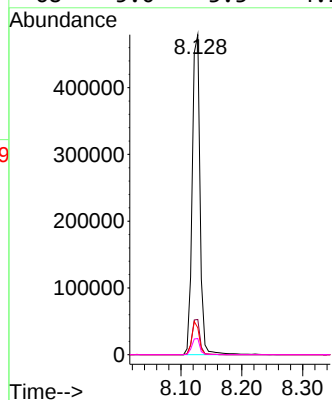
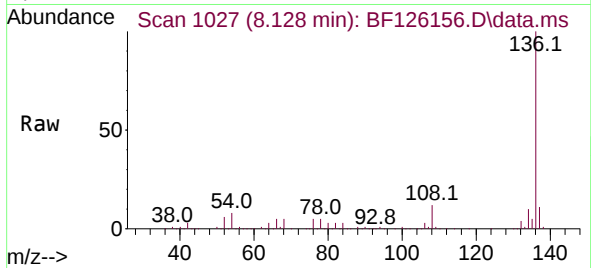




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.011 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

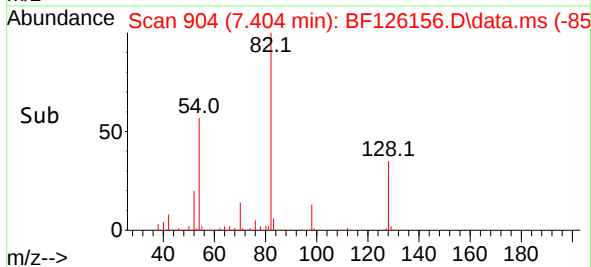
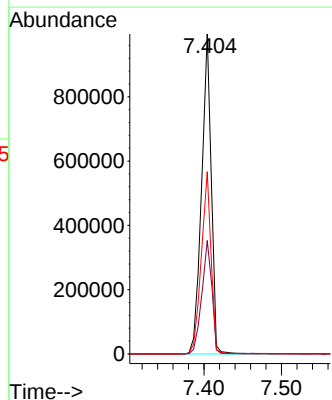
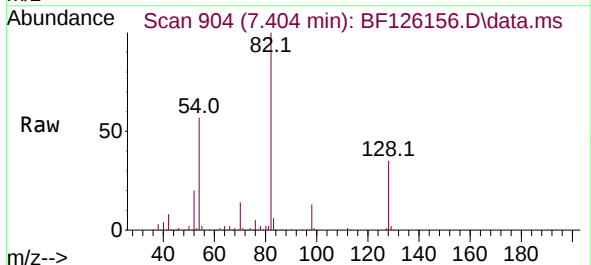
Instrument :
BNA_F
ClientSampleId :
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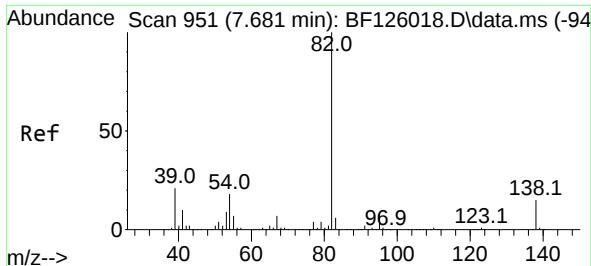
Tgt Ion:136 Resp: 428040
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 8.4 6.4 9.6
68 5.0 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 95.568 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion: 82 Resp: 867398
Ion Ratio Lower Upper
82 100
128 35.5 40.6 60.8#
54 56.9 49.6 74.4

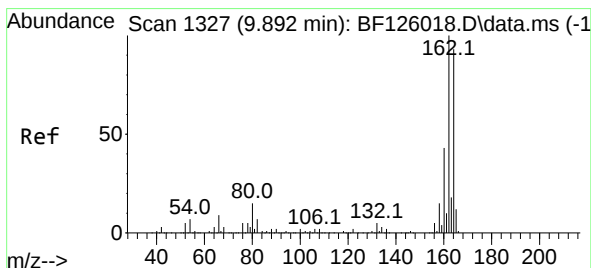
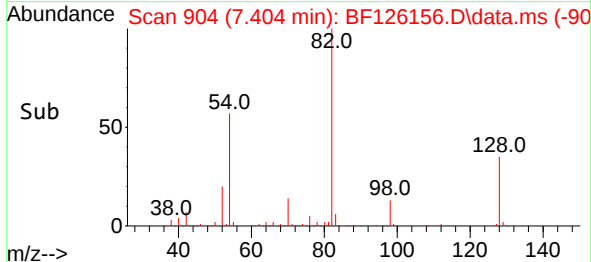
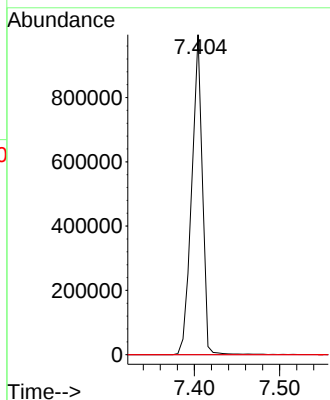
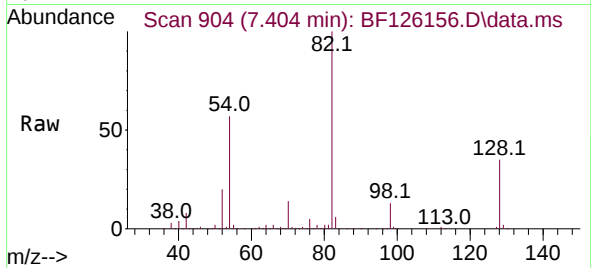




#25
Isophorone
Concen: 52.743 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

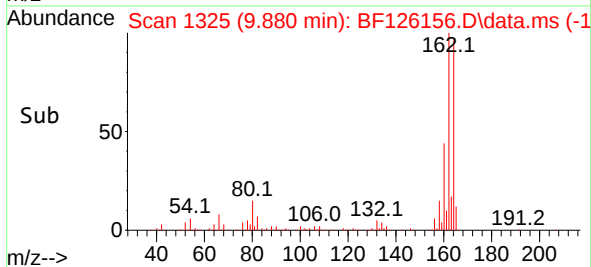
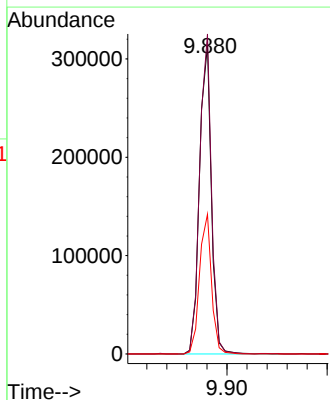
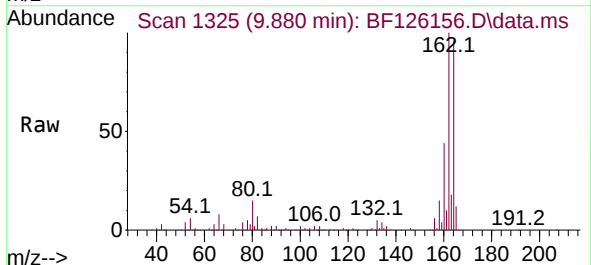
Instrument :
BNA_F
ClientSampleId :
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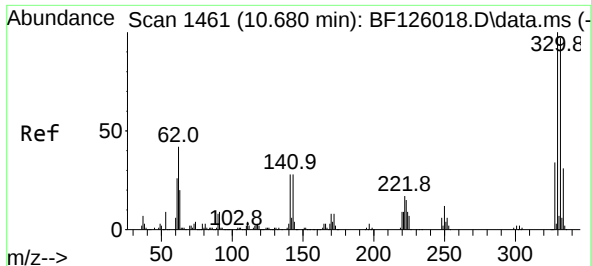
Tgt Ion: 82 Resp: 861882
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion: 164 Resp: 260058
Ion Ratio Lower Upper
164 100
162 103.6 81.3 121.9
160 45.2 38.0 57.0

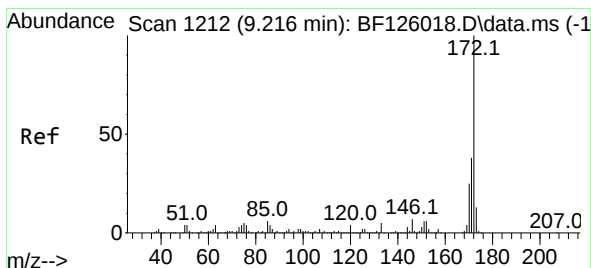
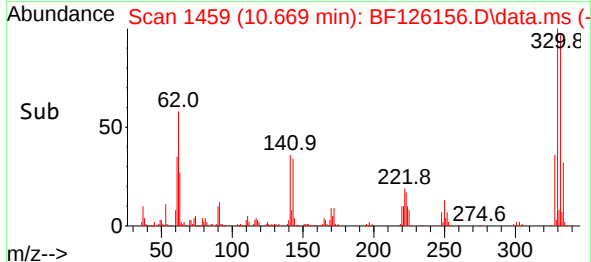
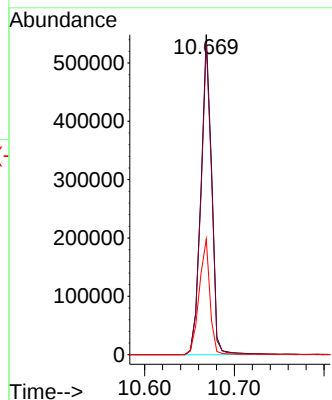
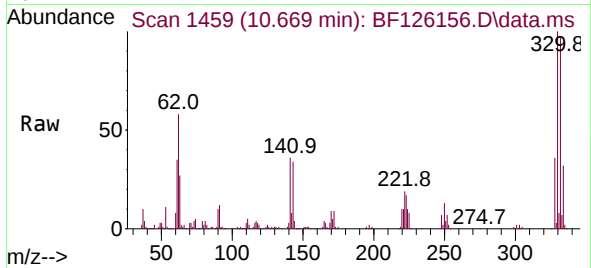




#42
2,4,6-Tribromophenol
Concen: 152.533 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

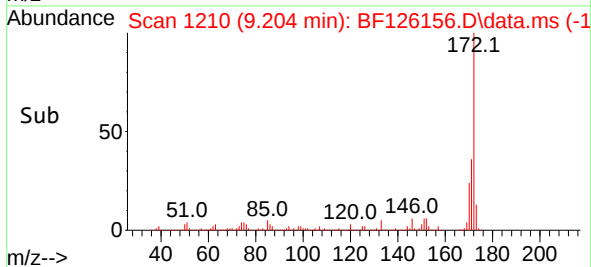
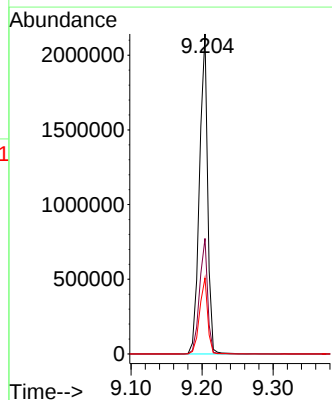
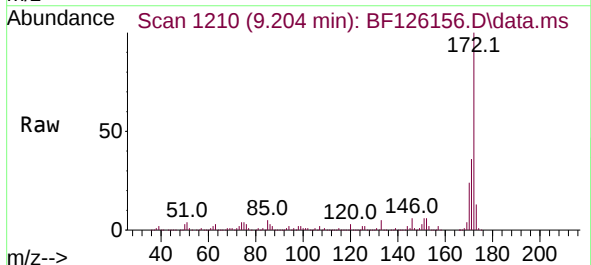
Instrument :
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ClientSampleId :
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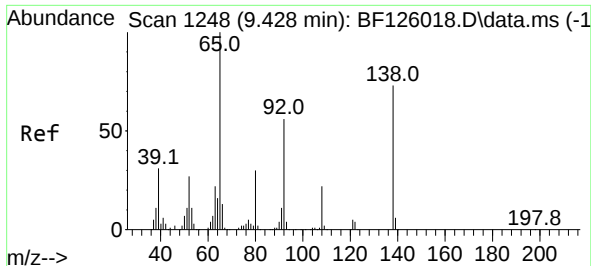
Tgt Ion:330 Resp: 454592
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 36.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 89.313 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion:172 Resp: 1718749
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 23.7 18.8 28.2





#48

2-Nitroaniline

Concen: 3.390 ng

RT: 9.198 min Scan# 1325

Delta R.T. -0.230 min

Lab File: BF126156.D

Acq: 12 Nov 2021 14:49

Instrument :

BNA_F

ClientSampleId :

4

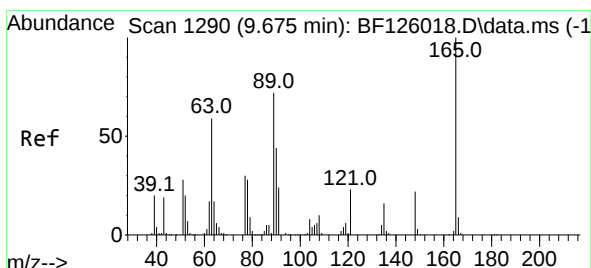
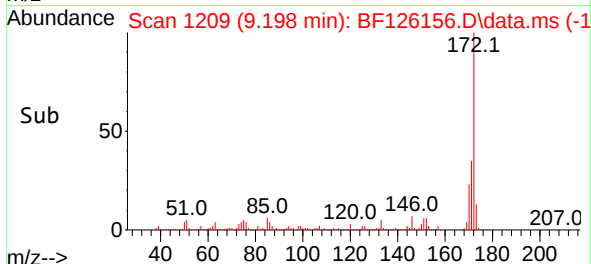
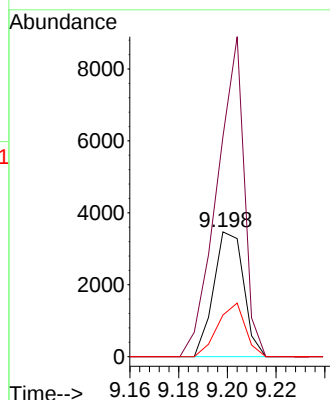
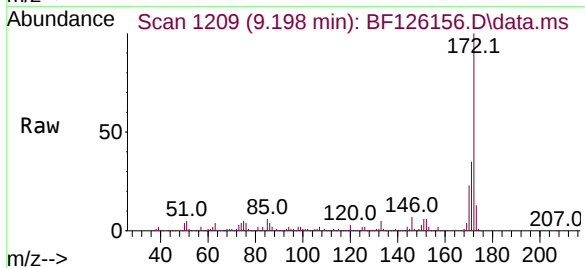
Tgt Ion: 65 Resp: 2977

Ion Ratio Lower Upper

65 100

92 176.1 55.5 83.3#

138 33.4 93.5 140.3#



#51

2,6-Dinitrotoluene

Concen: 10.380 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.205 min

Lab File: BF126156.D

Acq: 12 Nov 2021 14:49

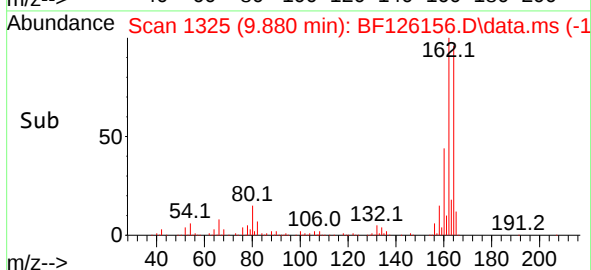
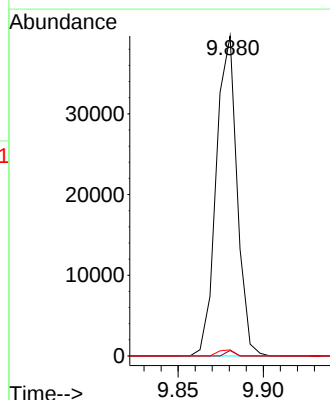
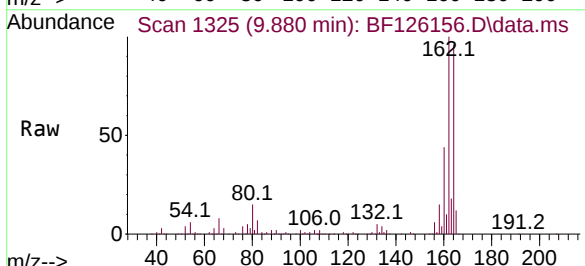
Tgt Ion:165 Resp: 33685

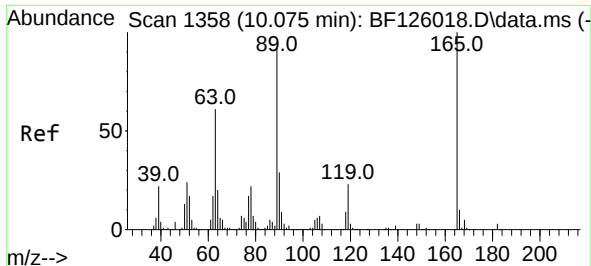
Ion Ratio Lower Upper

165 100

63 1.7 42.6 63.8#

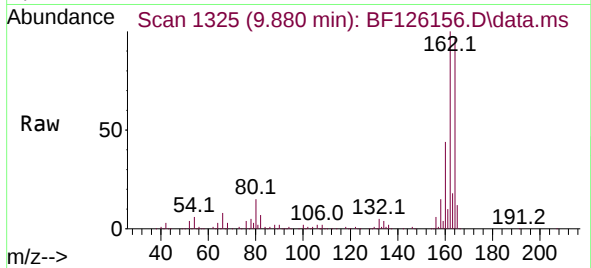
89 1.9 40.6 60.8#



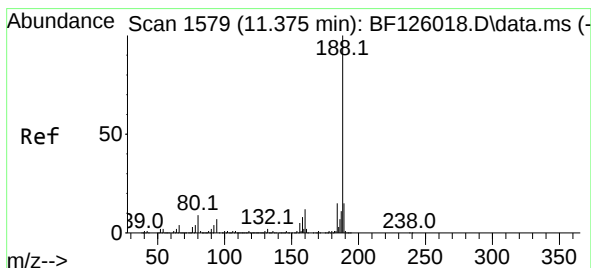
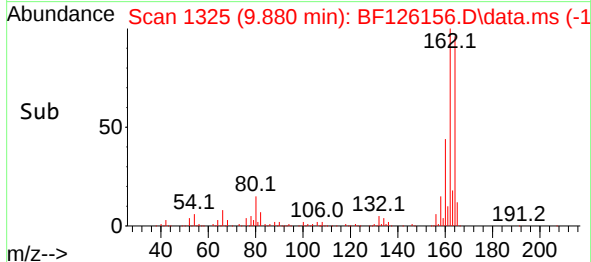
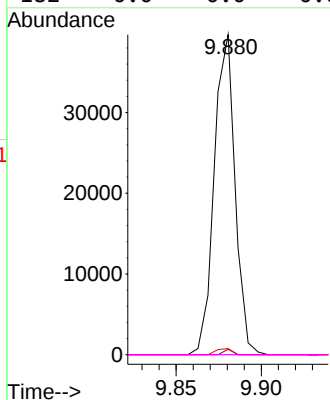


#57
2,4-Dinitrotoluene
Concen: 9.895 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Instrument :
BNA_F
ClientSampleId :
4

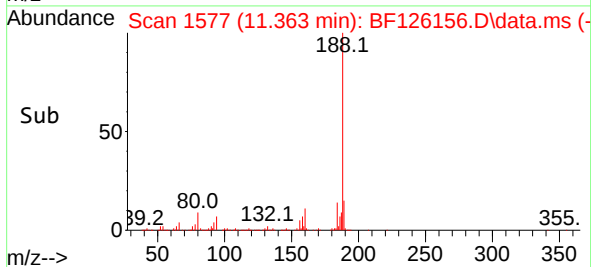
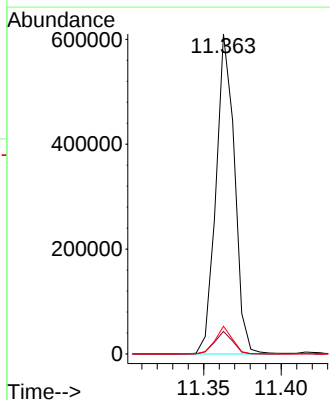
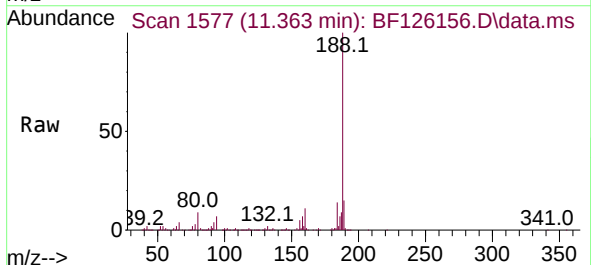


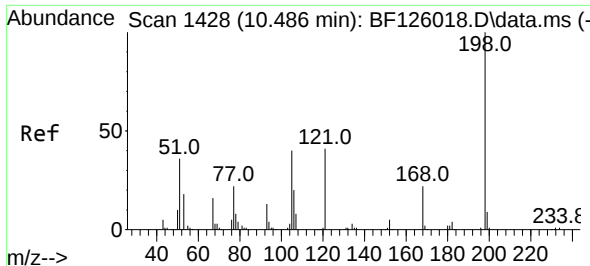
Tgt Ion:165 Resp: 33685
Ion Ratio Lower Upper
165 100
63 1.7 40.9 61.3#
89 1.9 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion:188 Resp: 507467
Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 8.7 7.5 11.3

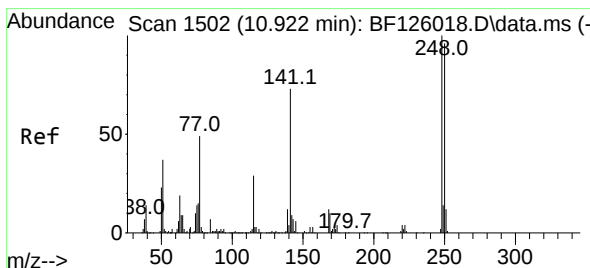
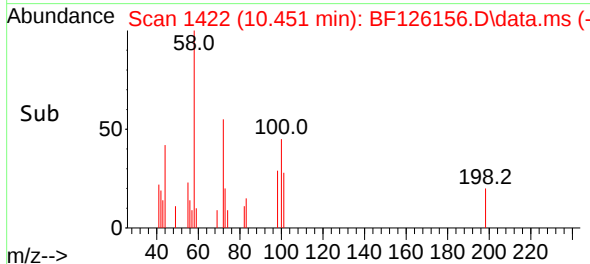
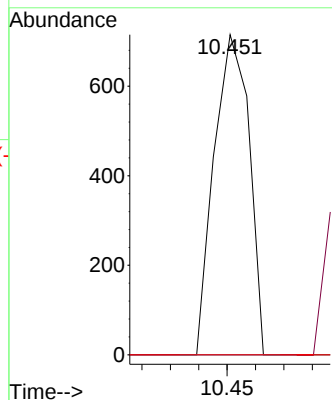
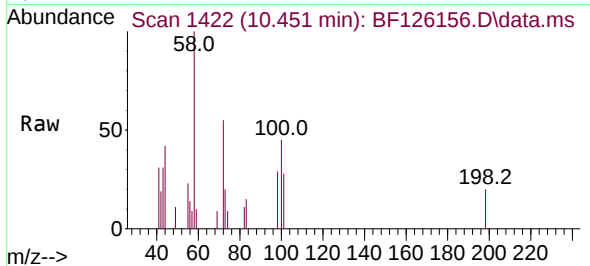




#65
4,6-Dinitro-2-methylphenol
Concen: 8.524 ng
RT: 10.451 min Scan# 1428
Delta R.T. -0.035 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

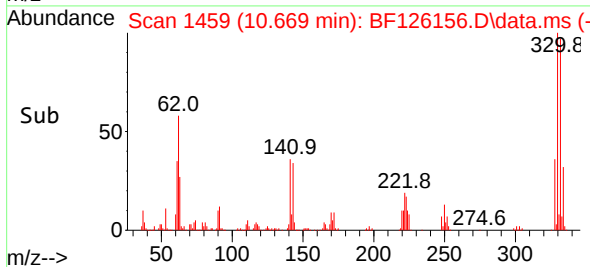
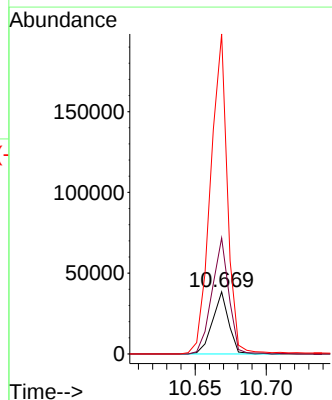
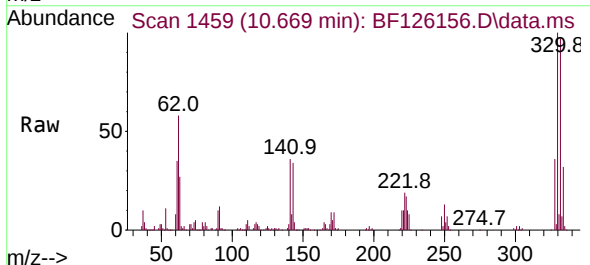
Instrument :
BNA_F
ClientSampleId :
4

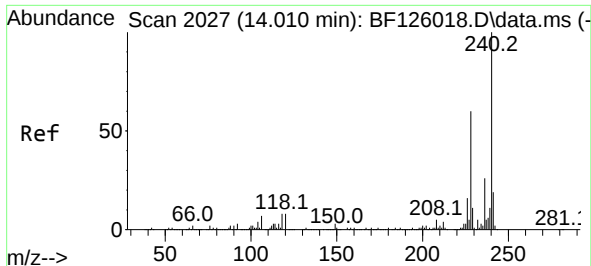
Tgt Ion:198 Resp: 612
Ion Ratio Lower Upper
198 100
51 0.0 45.3 85.3#
105 0.0 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.931 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion:248 Resp: 30307
Ion Ratio Lower Upper
248 100
250 187.0 74.2 111.4#
141 515.9 60.4 90.6#

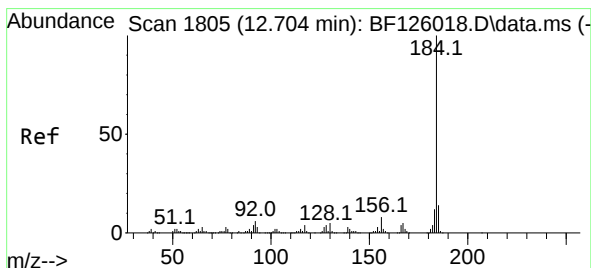
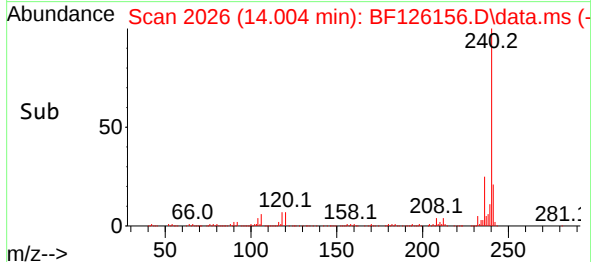
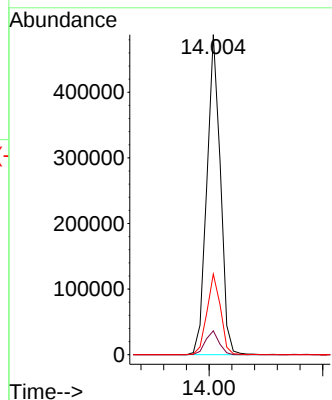
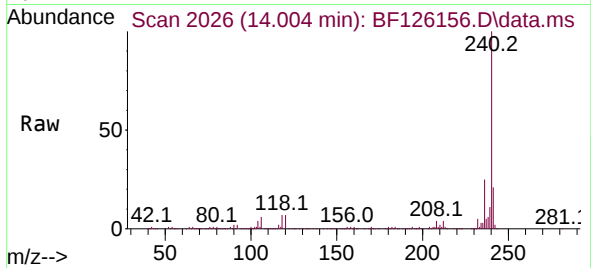




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

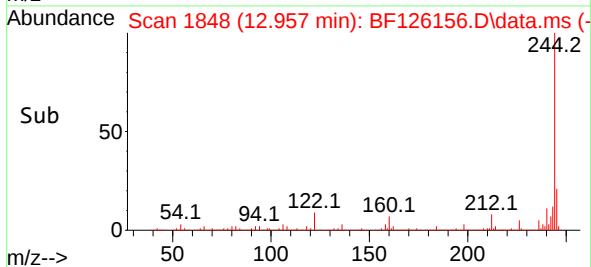
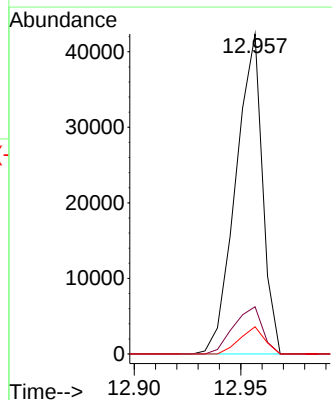
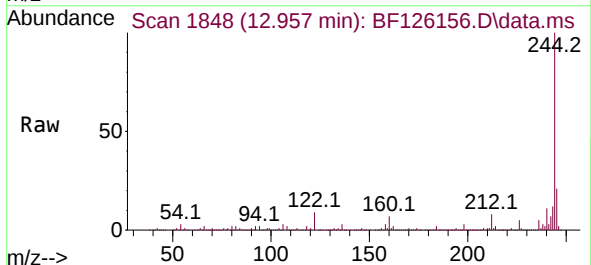
Instrument :
BNA_F
ClientSampleId :
4

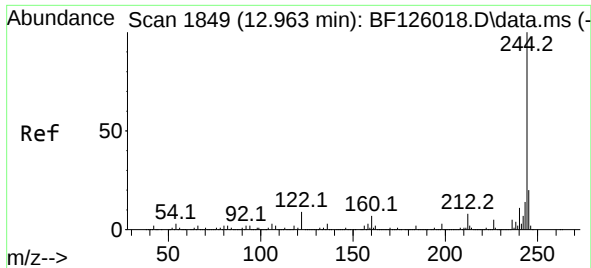
Tgt Ion:240 Resp: 402259
Ion Ratio Lower Upper
240 100
120 7.5 10.8 16.2#
236 25.2 21.6 32.4



#77
Benzidine
Concen: 2.746 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.253 min
Lab File: BF126156.D
Acq: 12 Nov 2021 14:49

Tgt Ion:184 Resp: 36932
Ion Ratio Lower Upper
184 100
185 14.8 10.8 16.2
183 8.5 8.1 12.1

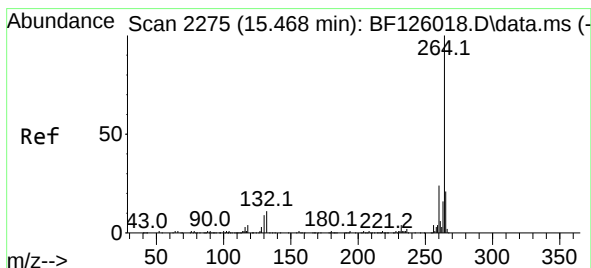
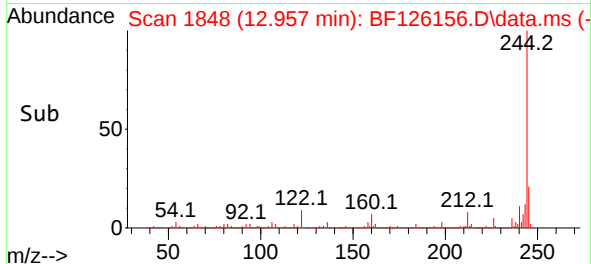
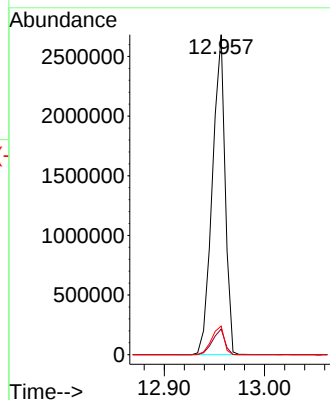
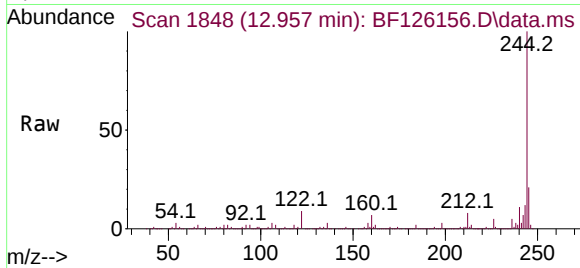




#79
 Terphenyl-d14
 Concen: 94.868 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126156.D
 Acq: 12 Nov 2021 14:49

Instrument :
 BNA_F
 ClientSampleId :
 4

Tgt Ion:244 Resp: 2366531
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 8.9 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2275
 Delta R.T. 0.000 min
 Lab File: BF126156.D
 Acq: 12 Nov 2021 14:49

Tgt Ion:264 Resp: 310070
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.6 29.4
 265 21.4 17.2 25.8

