

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126144.D
 Acq On : 12 Nov 2021 1:11
 Operator : JU/CG
 Sample : M4639-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TT-4/1-2

Quant Time: Nov 12 09:45:50 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)

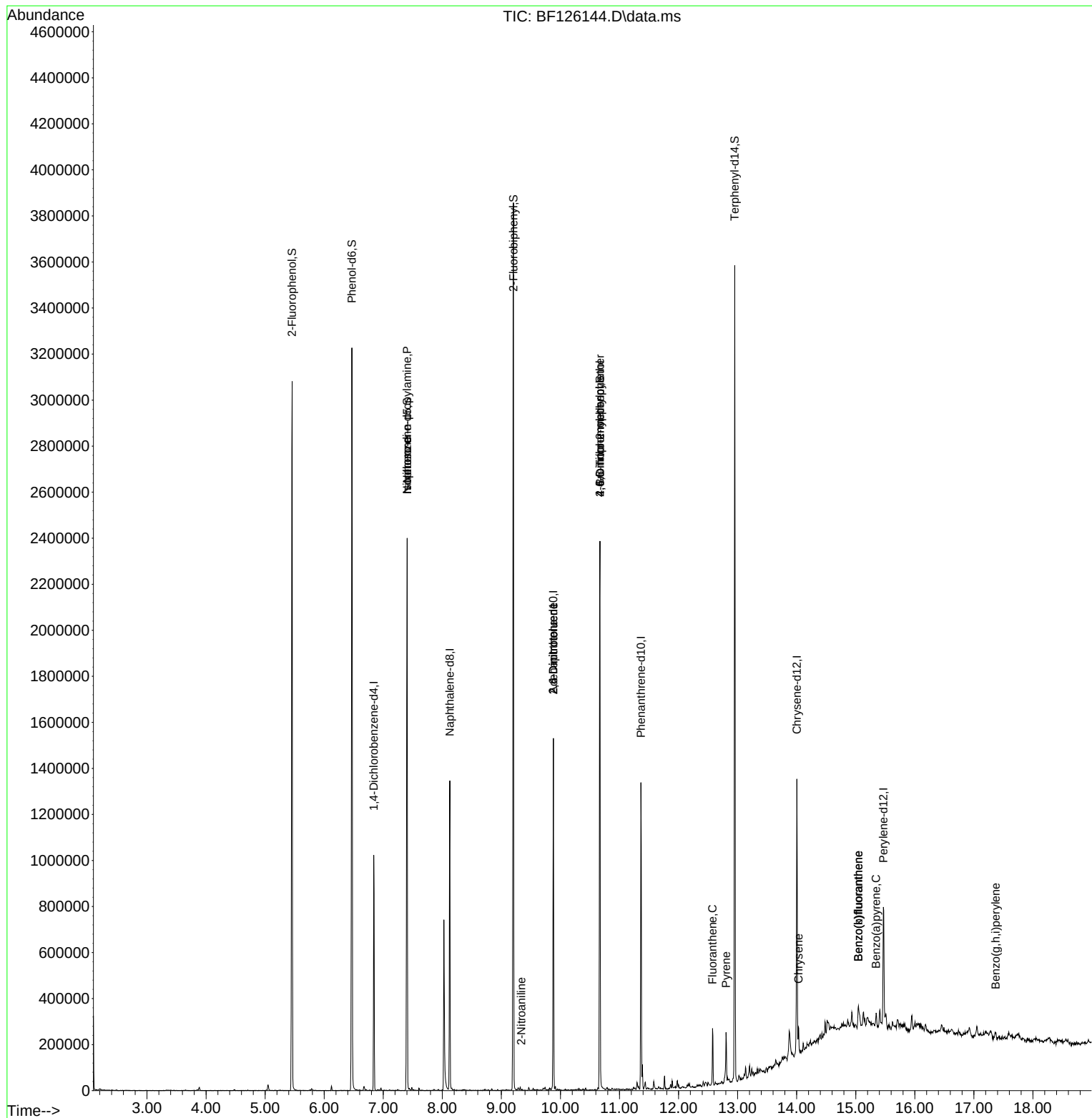
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	135071	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	493294	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	270432	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	460363	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	366310	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	238291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	710292	90.306	ng	0.00
7) Phenol-d6	6.469	99	930415	83.914	ng	-0.02
23) Nitrobenzene-d5	7.404	82	663436	63.426	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	265058	85.526	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1137109	56.822	ng	-0.01
79) Terphenyl-d14	12.951	244	1084636	47.747	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.393	77	109	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.404	70	92376	12.638	ng	# 60
25) Isophorone	7.404	82	659468	35.018	ng	# 59
48) 2-Nitroaniline	9.339	65	115	2.869	ng	# 1
51) 2,6-Dinitrotoluene	9.881	165	34207	10.136	ng	# 28
57) 2,4-Dinitrotoluene	9.881	165	34207	9.738	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	490	8.500	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	17464	3.132	ng	# 1
75) Fluoranthene	12.574	202	94599	3.403	ng	96
78) Pyrene	12.804	202	87521	2.979	ng	96
83) Chrysene	14.033	228	50484	2.156	ng	97
88) Benzo(b)fluoranthene	15.045	252	72708	4.691	ng	# 91
89) Benzo(k)fluoranthene	15.045	252	72708	4.836	ng	95
90) Benzo(a)pyrene	15.345	252	26131	2.140	ng	95
92) Benzo(g,h,i)perylene	17.368	276	22804	2.053	ng	# 85

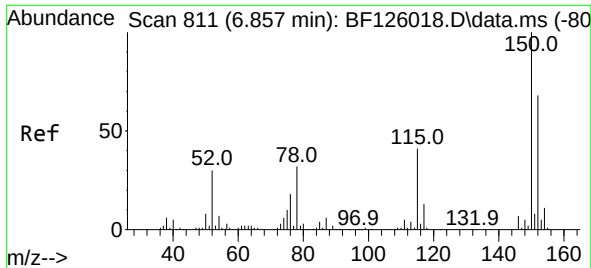
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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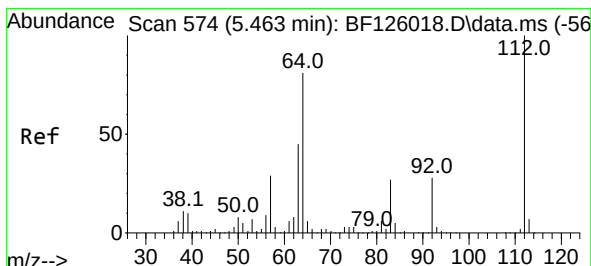
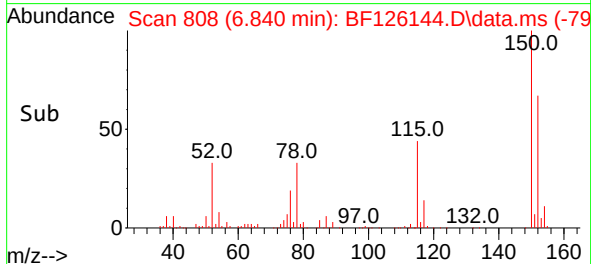
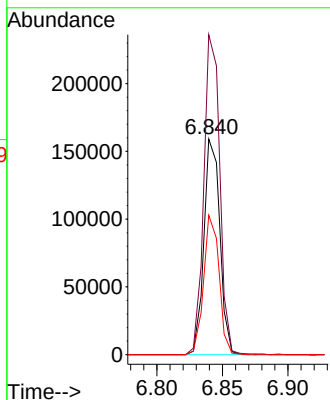
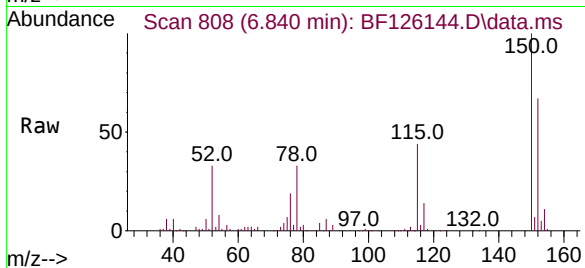




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.017 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

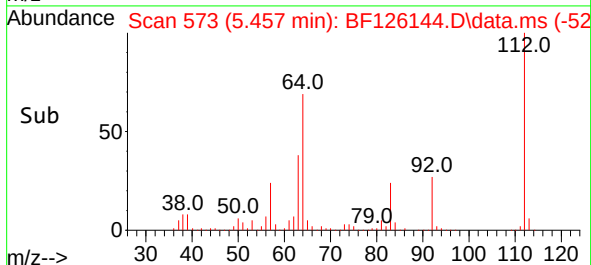
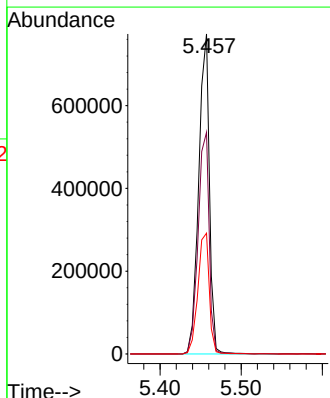
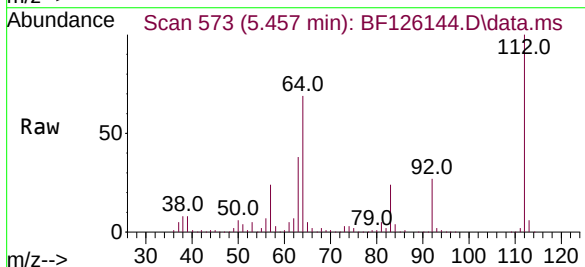
Instrument :
BNA_F
ClientSampleId :
TT-4/1-2

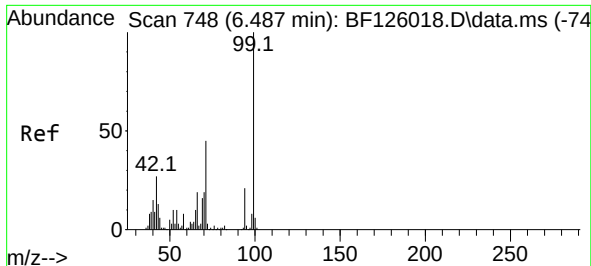
Tgt Ion:152 Resp: 135071
Ion Ratio Lower Upper
152 100
150 148.3 117.6 176.4
115 64.7 47.1 70.7



#5
2-Fluorophenol
Concen: 90.306 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:112 Resp: 710292
Ion Ratio Lower Upper
112 100
64 69.2 44.2 66.2#
63 37.8 26.2 39.2

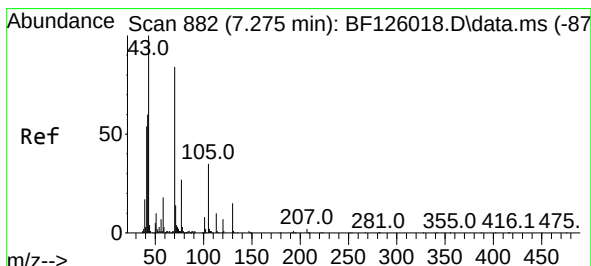
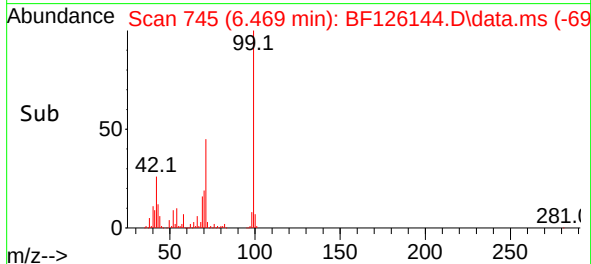
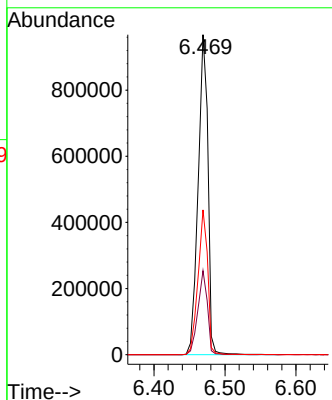
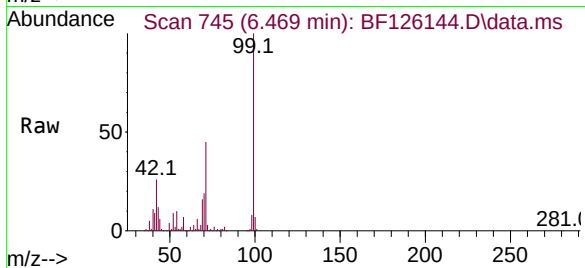




#7
Phenol-d6
Concen: 83.914 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

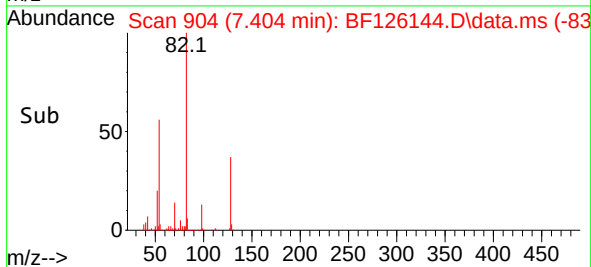
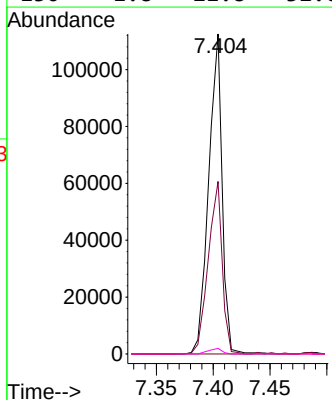
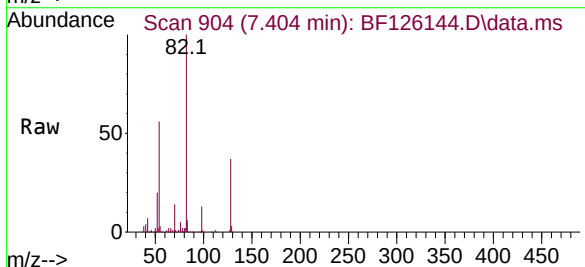
Instrument :
BNA_F
ClientSampleId :
TT-4/1-2

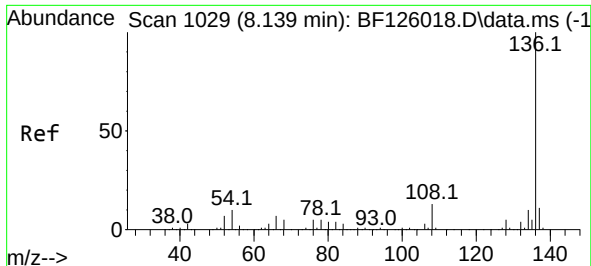
Tgt Ion: 99 Resp: 930415
Ion Ratio Lower Upper
99 100
42 26.2 23.5 35.3
71 45.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.638 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion: 70 Resp: 92376
Ion Ratio Lower Upper
70 100
42 53.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

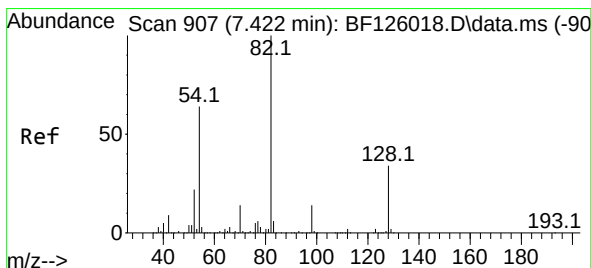
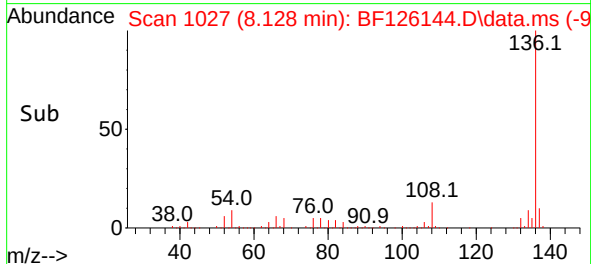
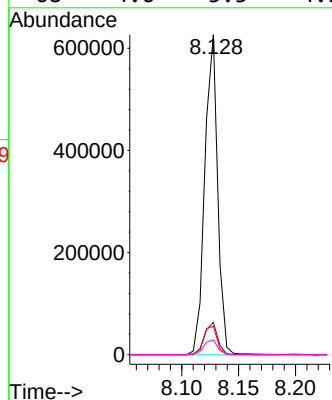
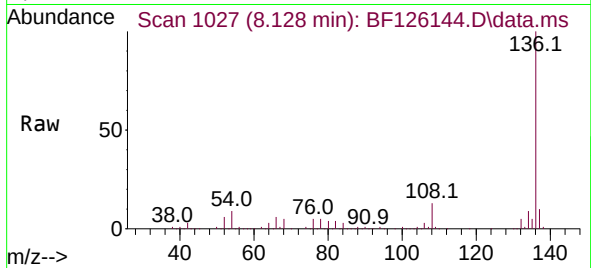




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.011 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

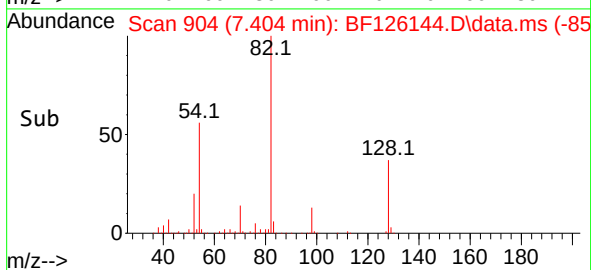
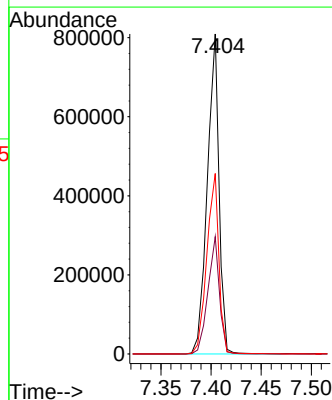
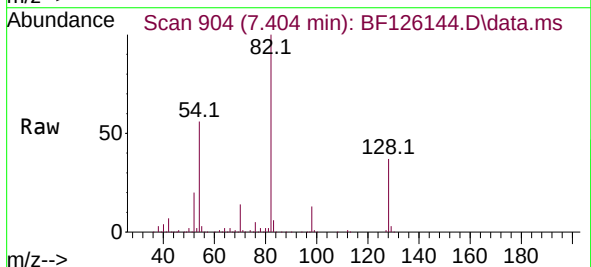
Instrument :
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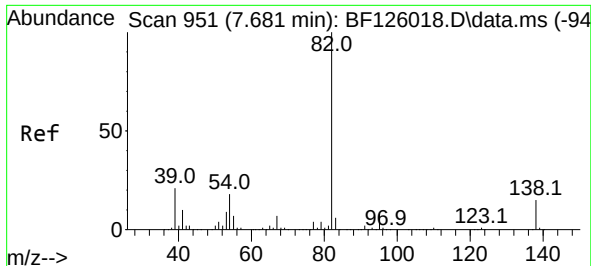
Tgt Ion:136	Resp:	493294
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.8 14.6
54	8.9	6.4 9.6
68	4.6	3.3 4.9



#23
Nitrobenzene-d5
Concen: 63.426 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion: 82	Resp:	663436
Ion Ratio	Lower	Upper
82	100	
128	36.7	40.6 60.8#
54	56.4	49.6 74.4

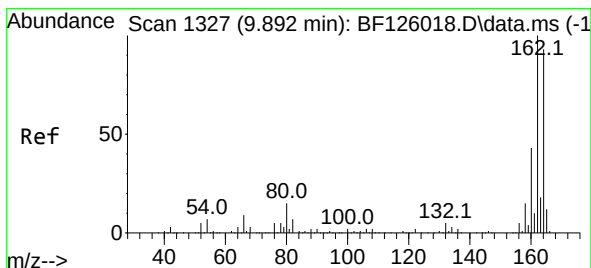
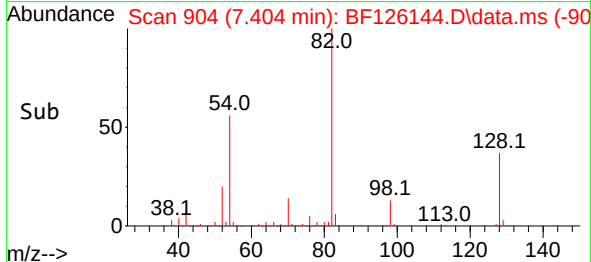
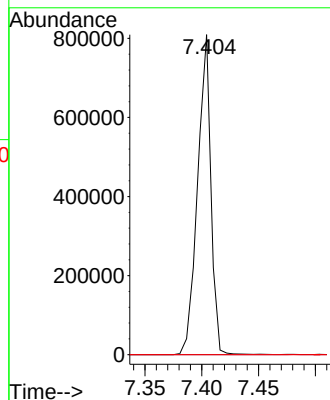
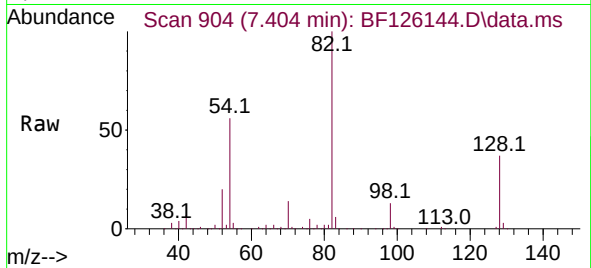




#25
Isophorone
Concen: 35.018 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

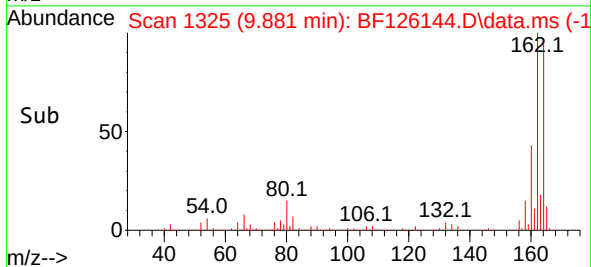
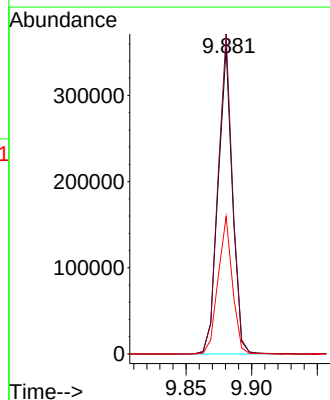
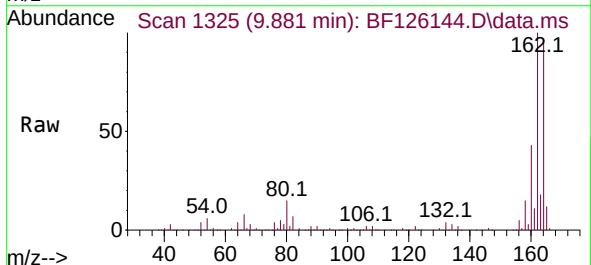
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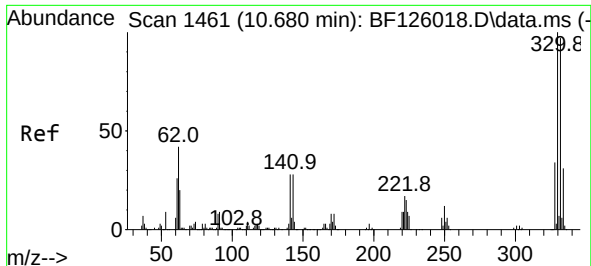
Tgt Ion: 82 Resp: 659468
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.011 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:164 Resp: 270432
Ion Ratio Lower Upper
164 100
162 104.4 81.3 121.9
160 44.9 38.0 57.0

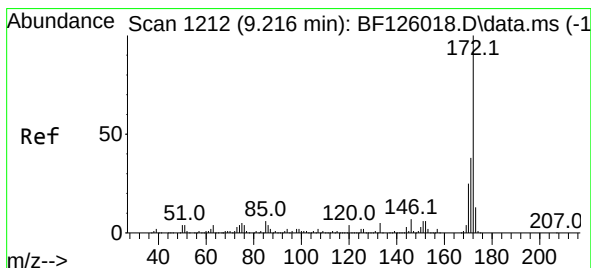
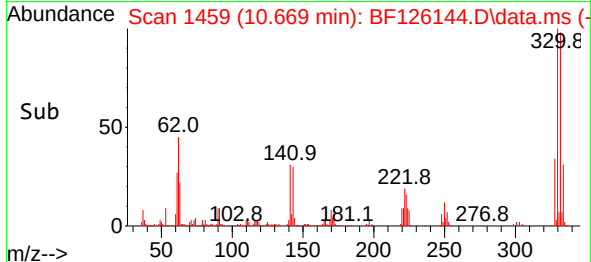
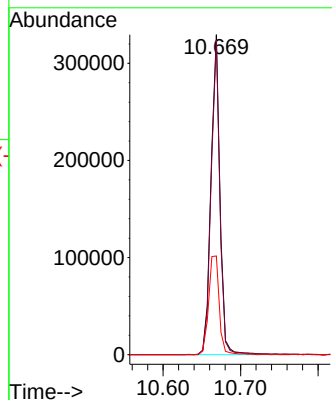
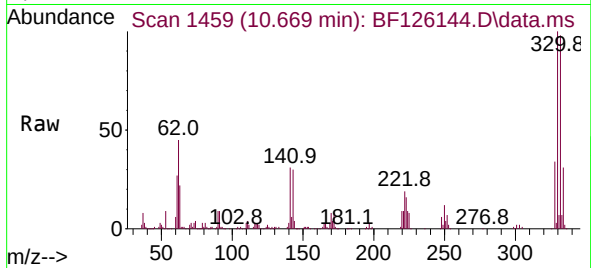




#42
2,4,6-Tribromophenol
Concen: 85.526 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

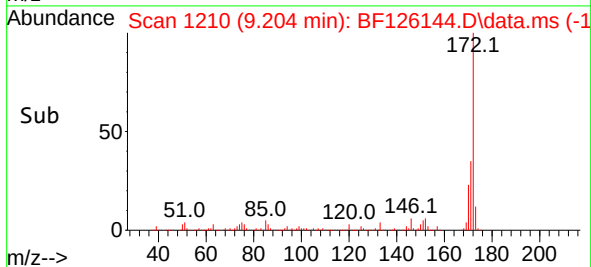
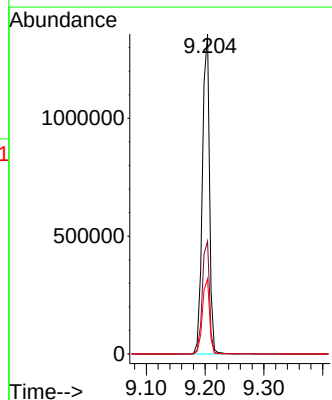
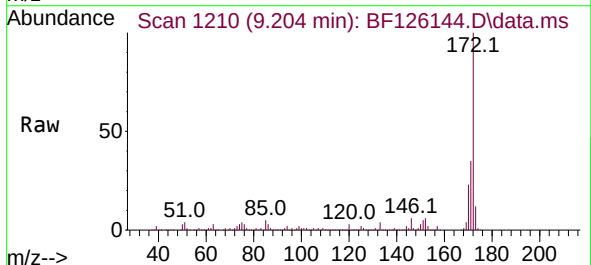
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TT-4/1-2

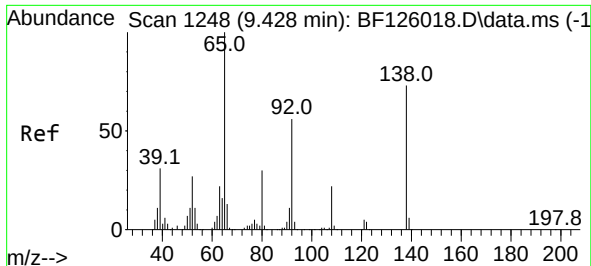
Tgt Ion:330 Resp: 265058
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 36.7 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 56.822 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:172 Resp: 1137109
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 23.4 18.8 28.2

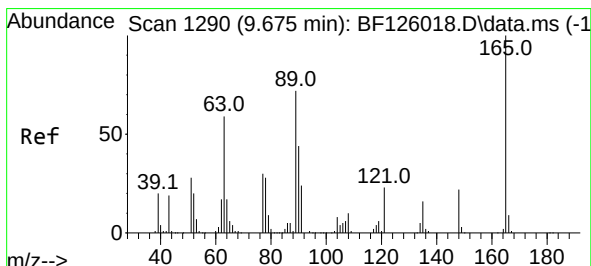
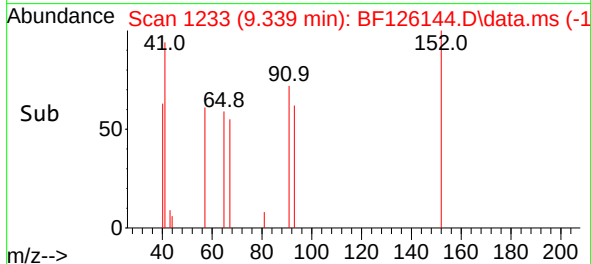
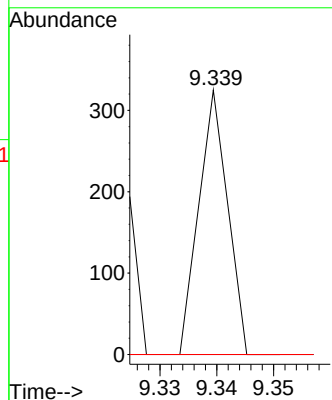
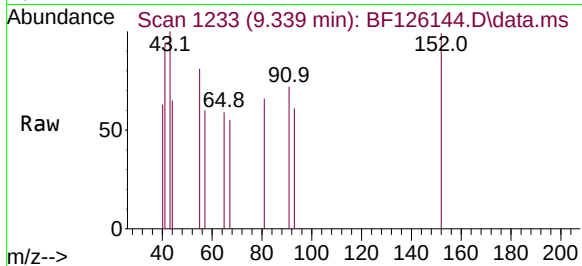




#48
2-Nitroaniline
Concen: 2.869 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.089 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

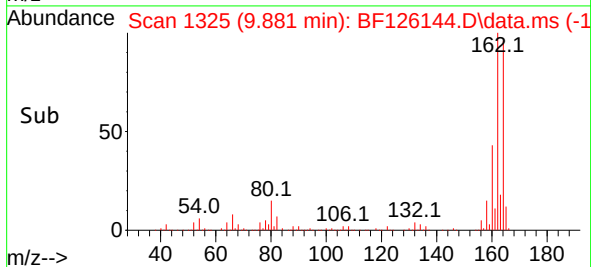
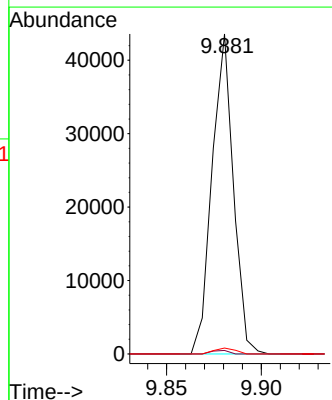
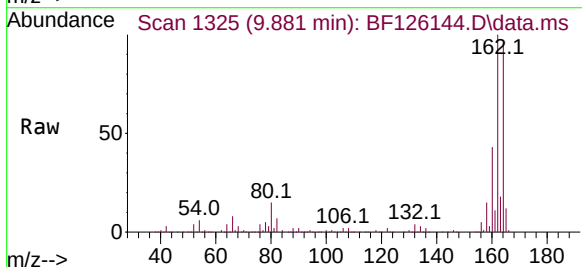
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TT-4/1-2

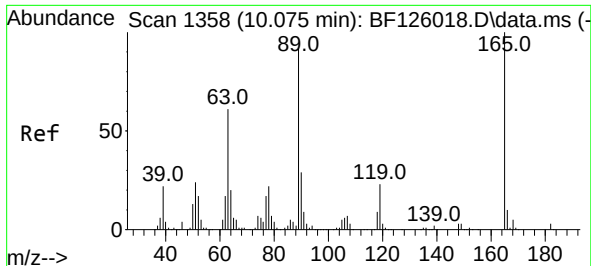
Tgt Ion: 65 Resp: 115
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.136 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.206 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:165 Resp: 34207
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.8 40.6 60.8#

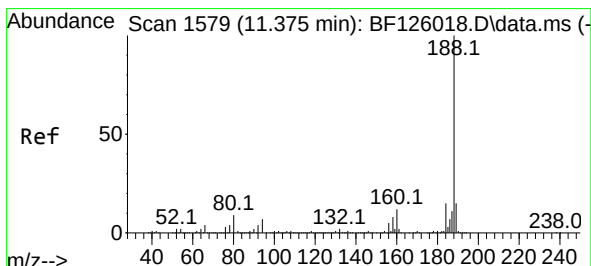
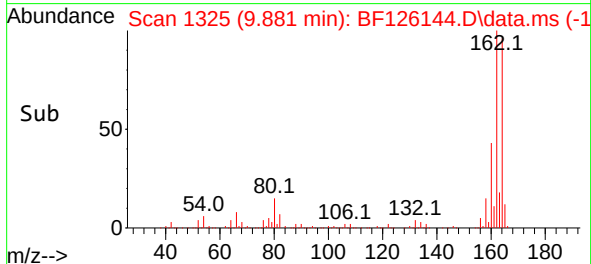
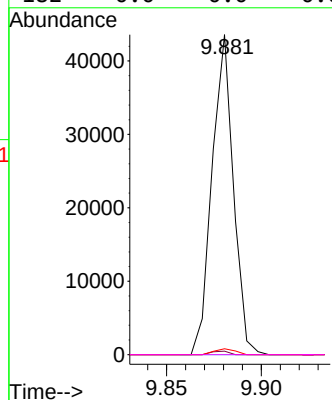
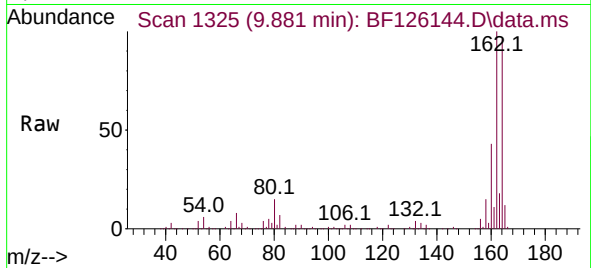




#57
2,4-Dinitrotoluene
Concen: 9.738 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

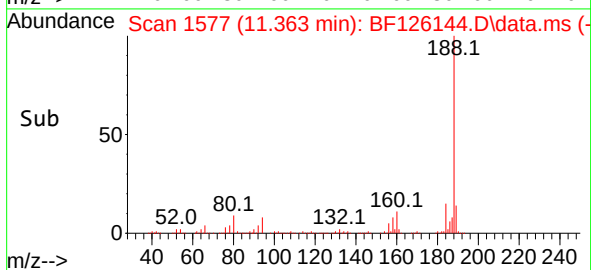
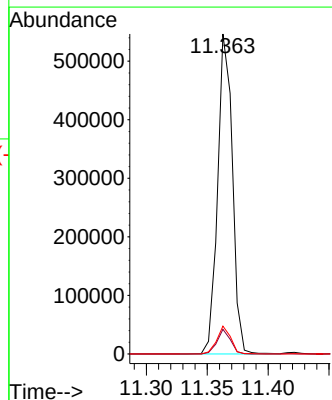
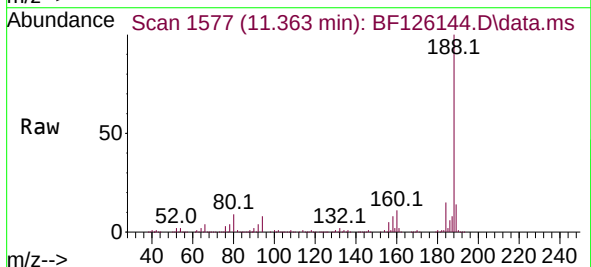
Instrument :
BNA_F
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TT-4/1-2

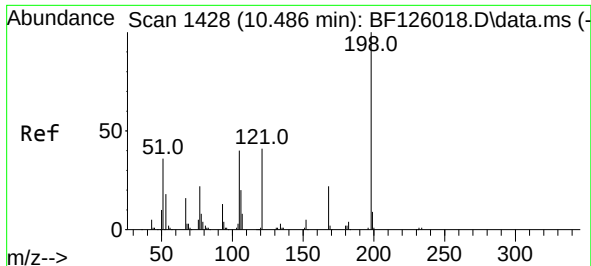
Tgt Ion:165 Resp: 34207
Ion Ratio Lower Upper
165 100
63 1.1 40.9 61.3#
89 1.8 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:188 Resp: 460363
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.7 7.5 11.3

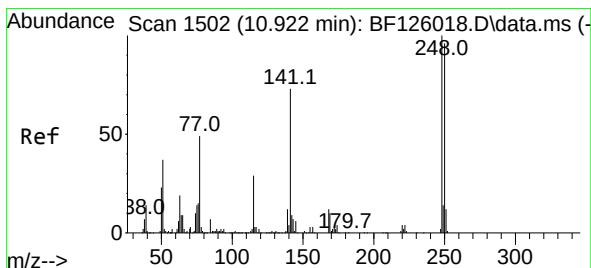
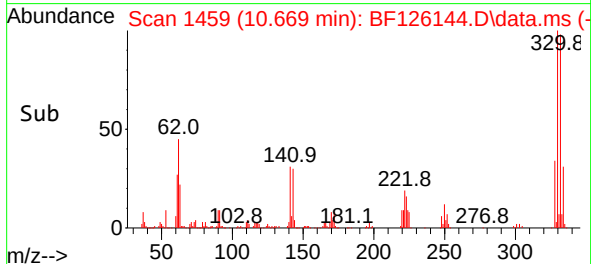
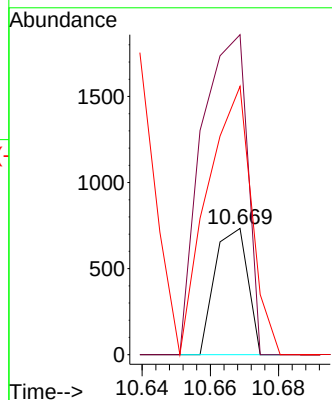
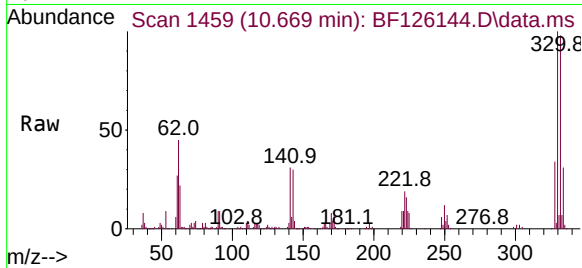




#65
4,6-Dinitro-2-methylphenol
Concen: 8.500 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

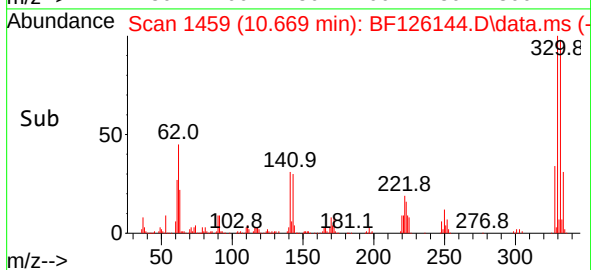
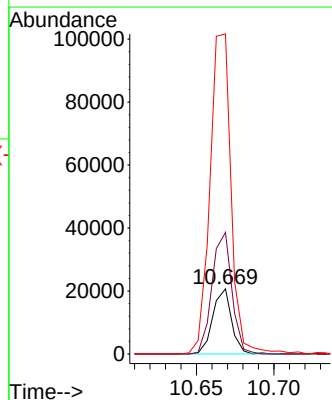
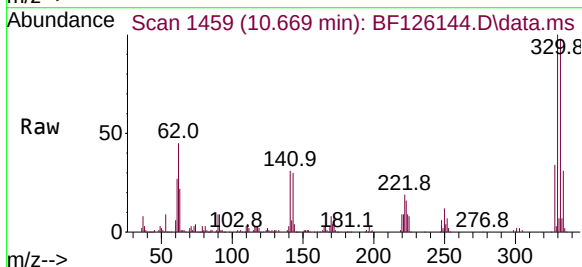
Instrument :
BNA_F
ClientSampleId :
TT-4/1-2

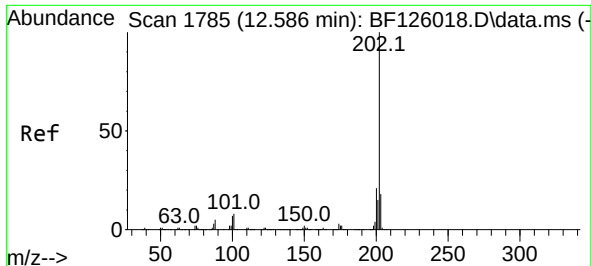
Tgt Ion:198 Resp: 490
Ion Ratio Lower Upper
198 100
51 253.6 45.3 85.3#
105 212.7 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.132 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:248 Resp: 17464
Ion Ratio Lower Upper
248 100
250 186.7 74.2 111.4#
141 491.1 60.4 90.6#

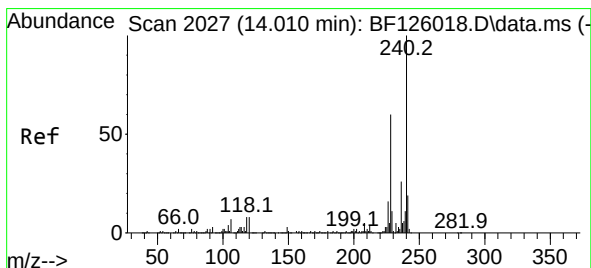
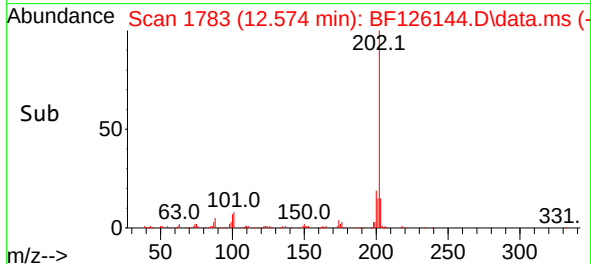
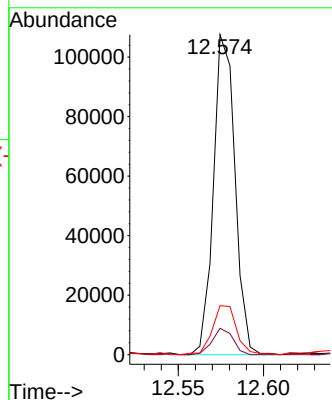
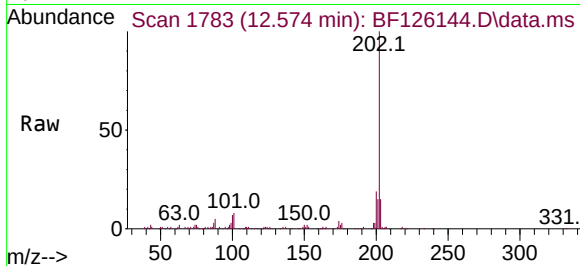




#75
Fluoranthene
Concen: 3.403 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

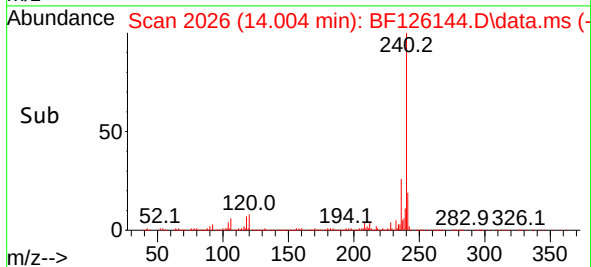
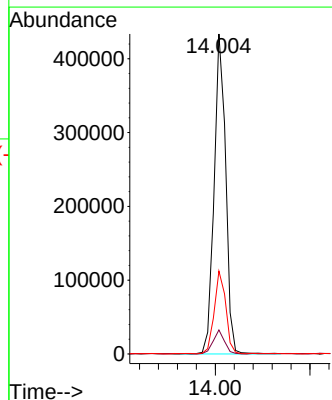
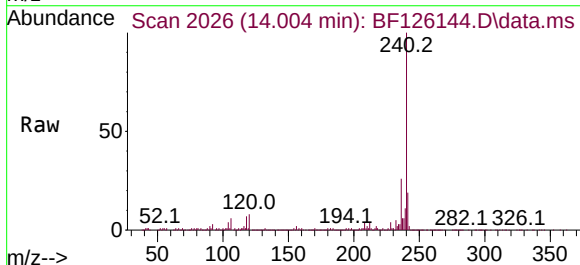
Instrument :
BNA_F
ClientSampleId :
TT-4/1-2

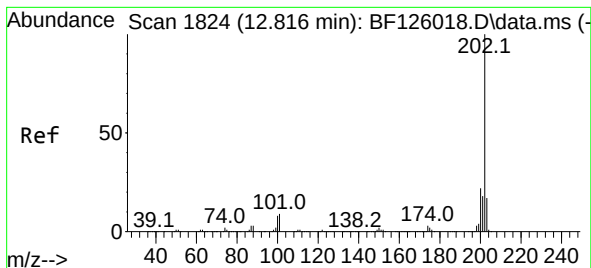
Tgt Ion:202 Resp: 94599
Ion Ratio Lower Upper
202 100
101 8.2 0.0 30.7
203 15.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:240 Resp: 366310
Ion Ratio Lower Upper
240 100
120 7.5 10.8 16.2#
236 25.9 21.6 32.4





#78

Pyrene

Concen: 2.979 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF126144.D

Acq: 12 Nov 2021 1:11

Instrument :

BNA_F

ClientSampleId :

TT-4/1-2

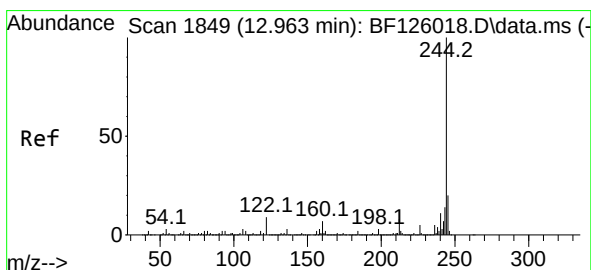
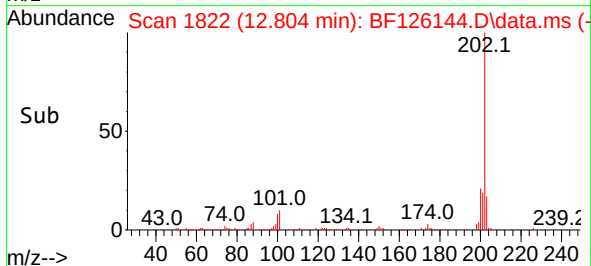
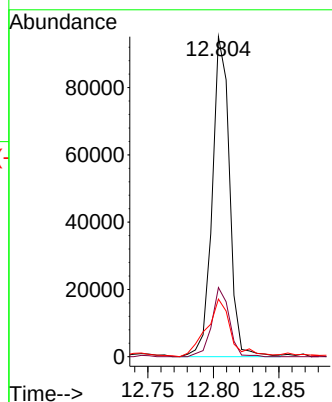
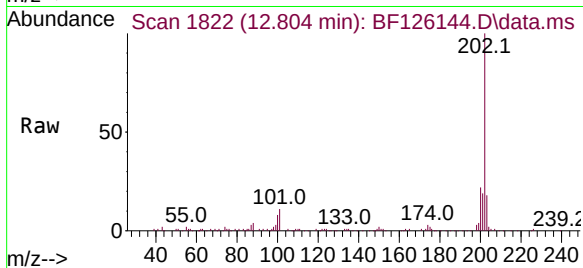
Tgt Ion:202 Resp: 87521

Ion Ratio Lower Upper

202 100

200 21.6 15.3 22.9

203 18.0 13.4 20.0



#79

Terphenyl-d14

Concen: 47.747 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF126144.D

Acq: 12 Nov 2021 1:11

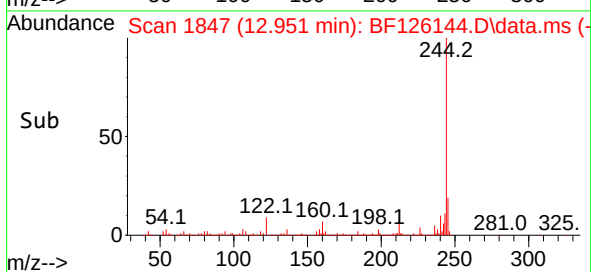
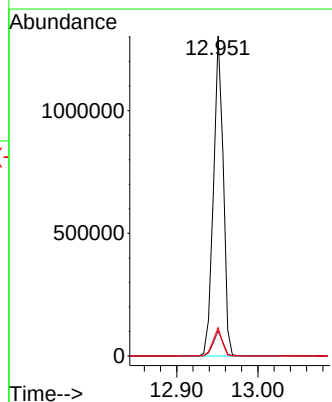
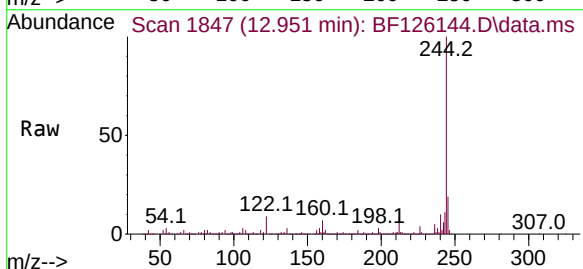
Tgt Ion:244 Resp: 1084636

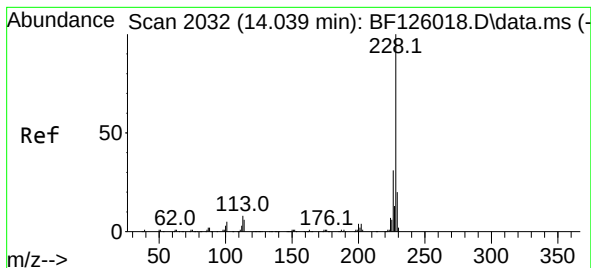
Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

122 8.8 9.0 13.4#





#83

Chrysene

Concen: 2.156 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF126144.D

Acq: 12 Nov 2021 1:11

Instrument :

BNA_F

ClientSampleId :

TT-4/1-2

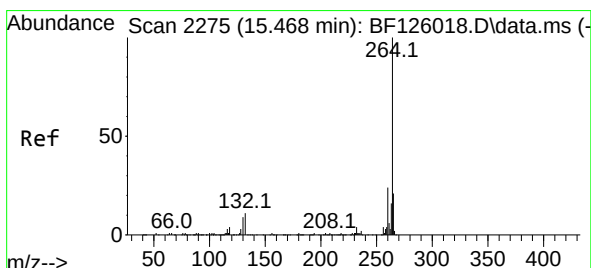
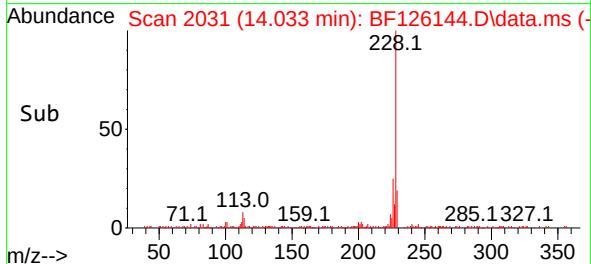
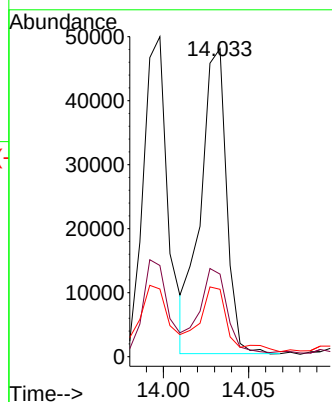
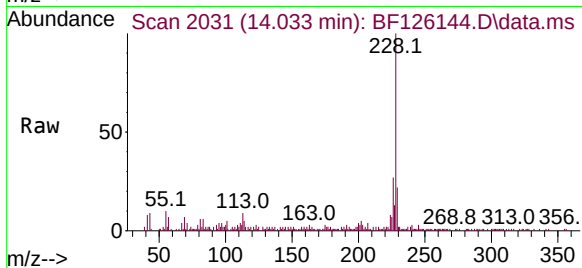
Tgt Ion:228 Resp: 50484

Ion Ratio Lower Upper

228 100

226 26.8 22.6 34.0

229 21.9 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF126144.D

Acq: 12 Nov 2021 1:11

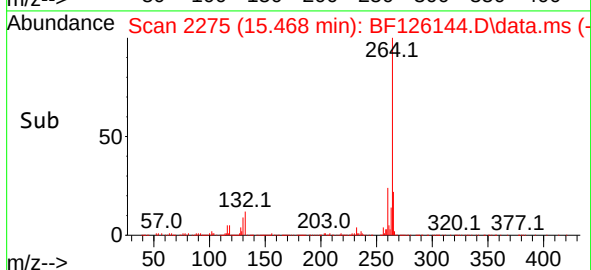
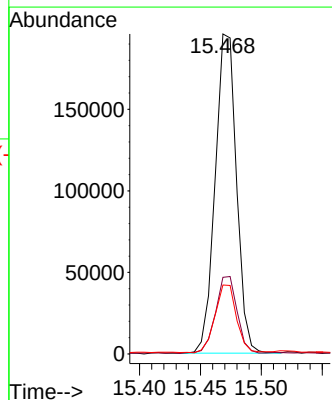
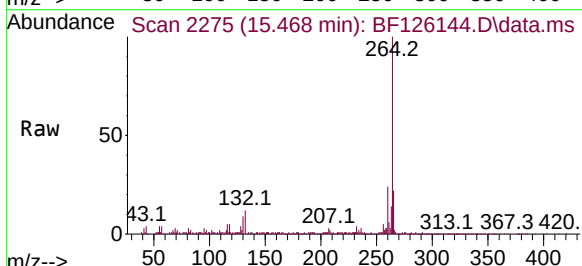
Tgt Ion:264 Resp: 238291

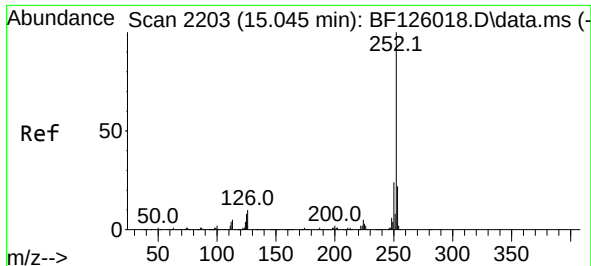
Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

265 21.5 17.2 25.8

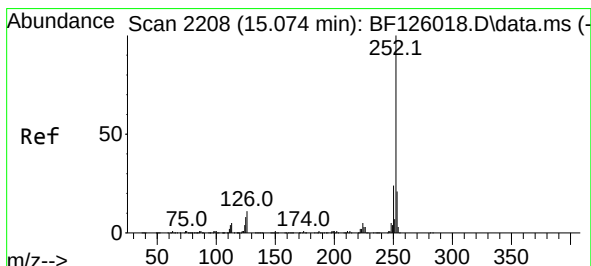
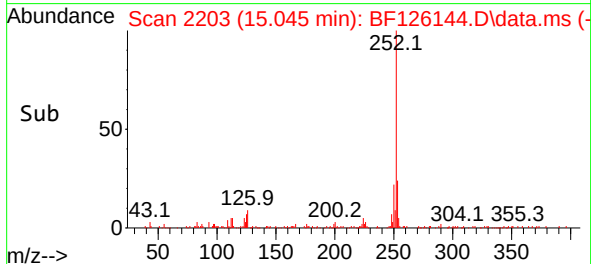
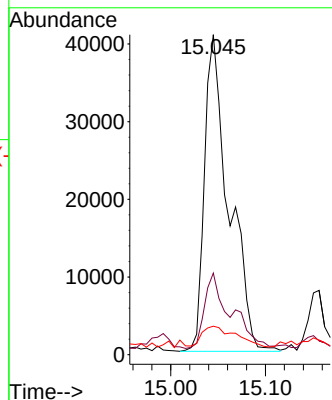
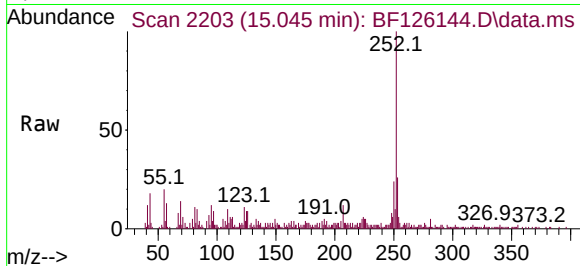




#88
Benzo(b)fluoranthene
Concen: 4.691 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

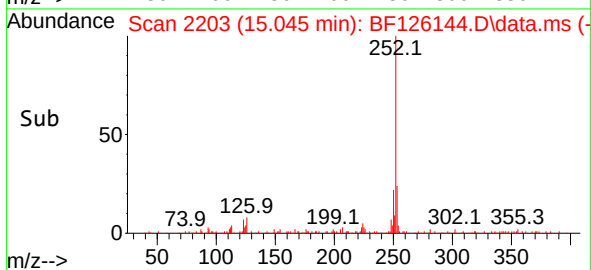
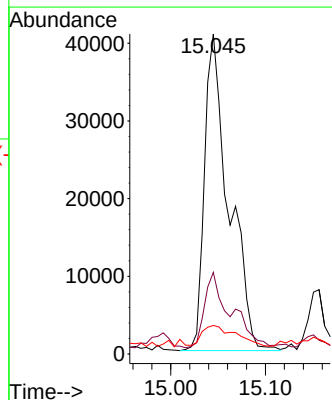
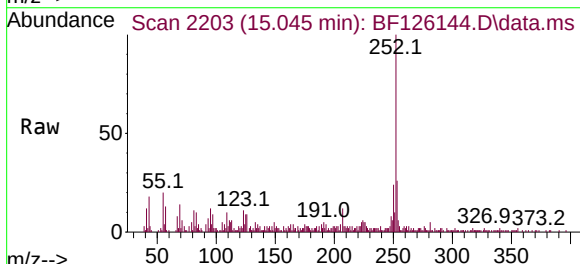
Instrument :
BNA_F
ClientSampleId :
TT-4/1-2

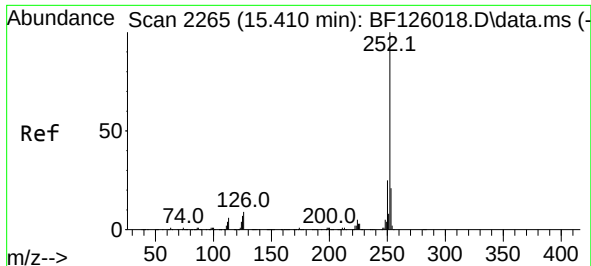
Tgt Ion:252 Resp: 72708
Ion Ratio Lower Upper
252 100
253 25.5 16.8 25.2#
125 8.9 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 4.836 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.029 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:252 Resp: 72708
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 8.9 7.2 10.8

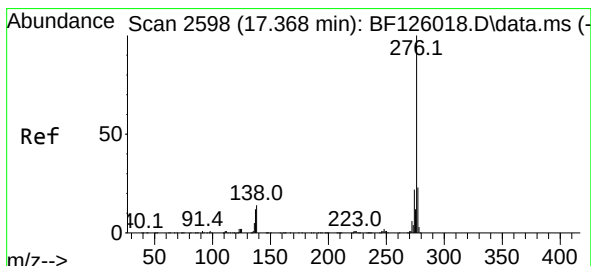
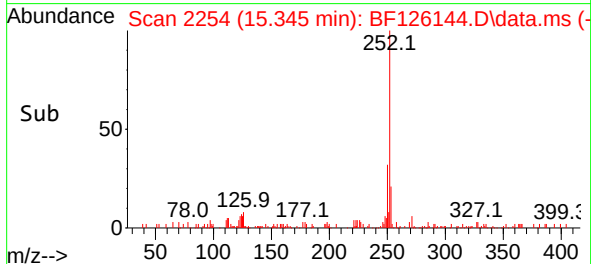
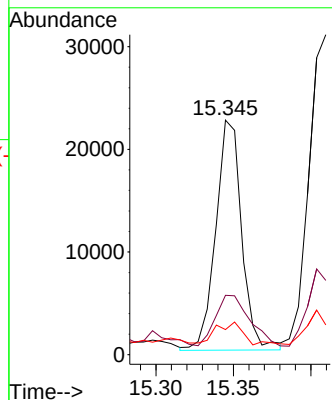
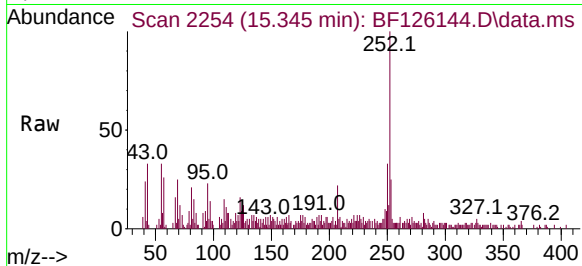




#90
Benzo(a)pyrene
Concen: 2.140 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.065 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Instrument :
BNA_F
ClientSampleId :
TT-4/1-2

Tgt Ion:252	Resp:	26131
Ion Ratio	Lower	Upper
252	100	
253	25.3	18.4 27.6
125	10.7	9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 2.053 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.000 min
Lab File: BF126144.D
Acq: 12 Nov 2021 1:11

Tgt Ion:276	Resp:	22804
Ion Ratio	Lower	Upper
276	100	
277	32.9	22.0 33.0
138	17.6	22.2 33.4

