

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
 Data File : BF126164.D
 Acq On : 12 Nov 2021 21:12
 Operator : JU/CG
 Sample : M4639-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TT-6/4-5

Quant Time: Nov 15 06:37:14 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)

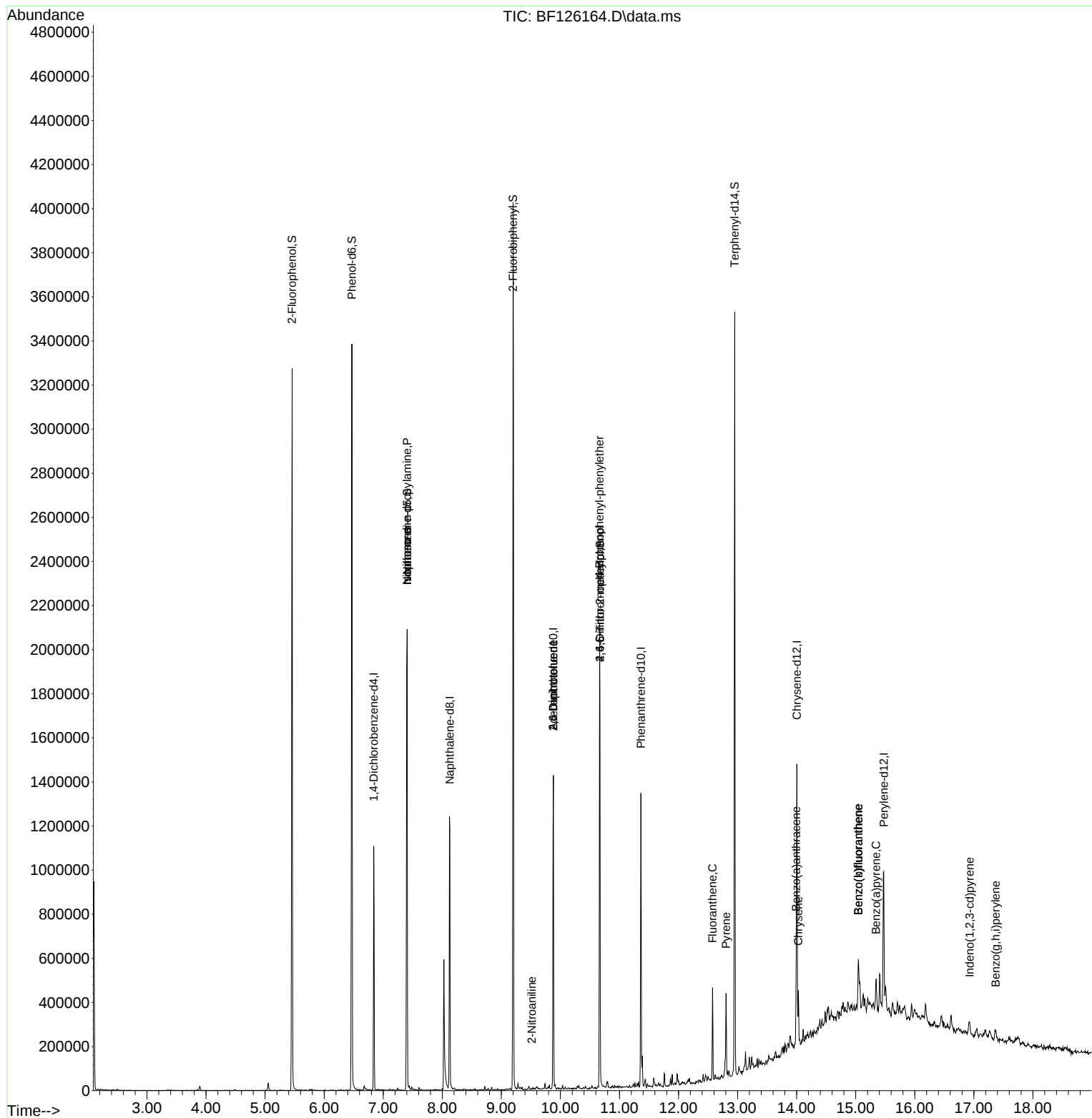
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	140245	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	514361	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	276246	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	440940	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	386601	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	307699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	706654	86.529	ng	0.00
7) Phenol-d6	6.469	99	902508	78.395	ng	-0.02
23) Nitrobenzene-d5	7.404	82	658844	60.408	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	227217	71.773	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1130908	55.323	ng	-0.02
79) Terphenyl-d14	12.951	244	1037066	43.257	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	109	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.404	70	91998	12.122	ng	# 60
25) Isophorone	7.404	82	653844	33.297	ng	# 59
48) 2-Nitroaniline	9.516	65	115	2.869	ng	# 1
51) 2,6-Dinitrotoluene	9.881	165	34968	10.144	ng	# 28
57) 2,4-Dinitrotoluene	9.881	165	34968	9.742	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	675	8.580	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	15875	2.972	ng	# 1
75) Fluoranthene	12.574	202	149657	5.620	ng	98
78) Pyrene	12.804	202	145128	4.681	ng	97
81) Benzo(a)anthracene	13.992	228	97981	3.689	ng	94
83) Chrysene	14.027	228	93157	3.770	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	40377	2.217	ng	# 80
88) Benzo(b)fluoranthene	15.045	252	164891	8.239	ng	# 95
89) Benzo(k)fluoranthene	15.045	252	164891	8.493	ng	99
90) Benzo(a)pyrene	15.345	252	57739	3.662	ng	96
92) Benzo(g,h,i)perylene	17.368	276	37777	2.633	ng	# 87

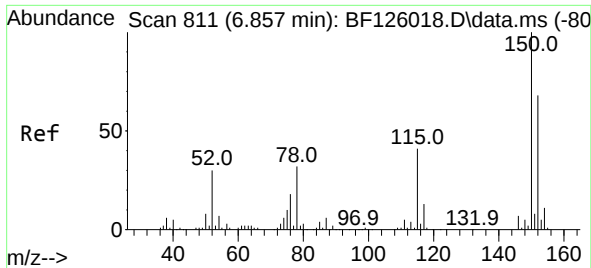
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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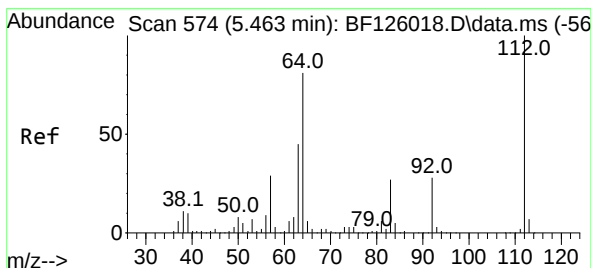
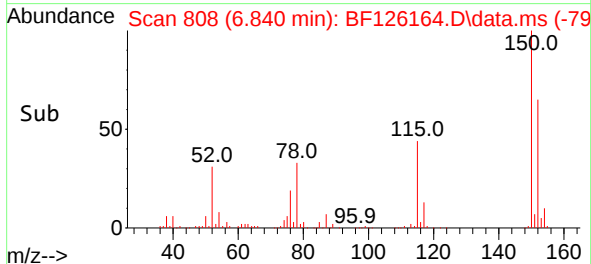
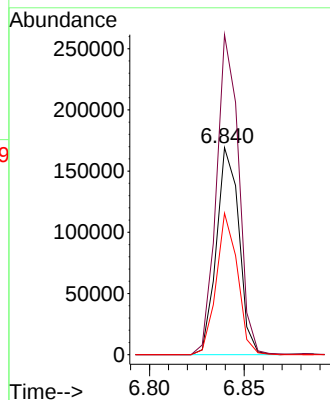
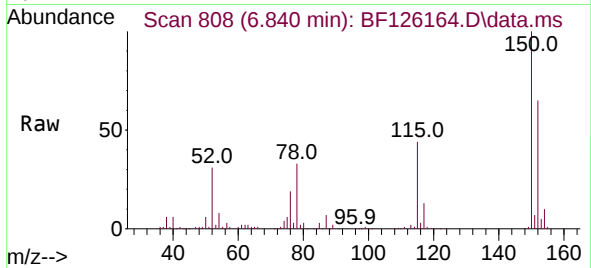




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.017 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

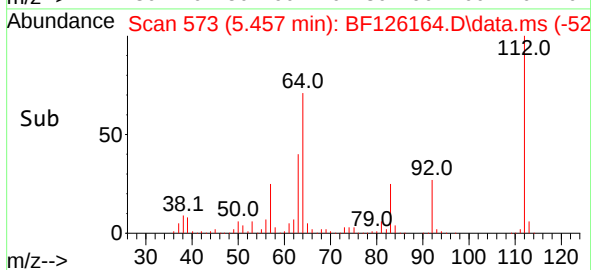
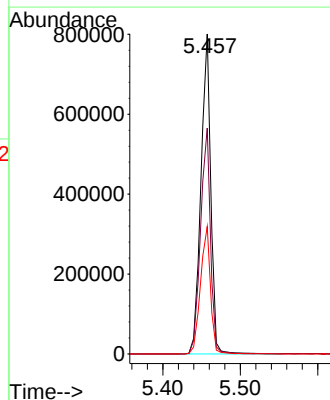
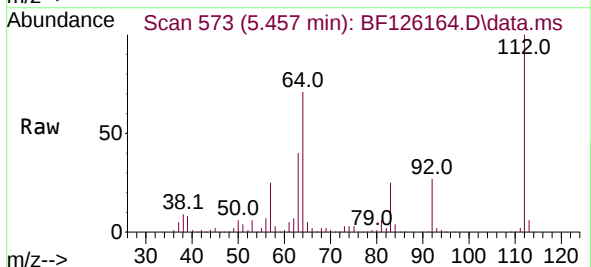
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

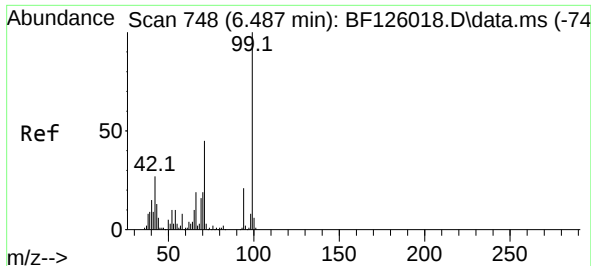
Tgt Ion:152 Resp: 140245
Ion Ratio Lower Upper
152 100
150 154.5 117.6 176.4
115 68.3 47.1 70.7



#5
2-Fluorophenol
Concen: 86.529 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:112 Resp: 706654
Ion Ratio Lower Upper
112 100
64 70.6 44.2 66.2#
63 39.8 26.2 39.2#

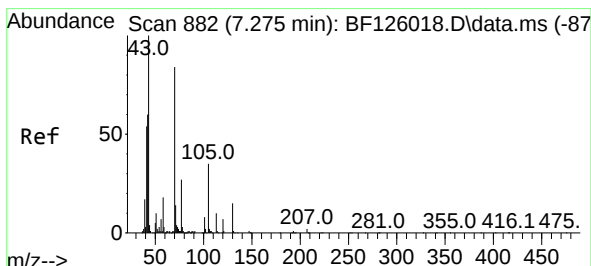
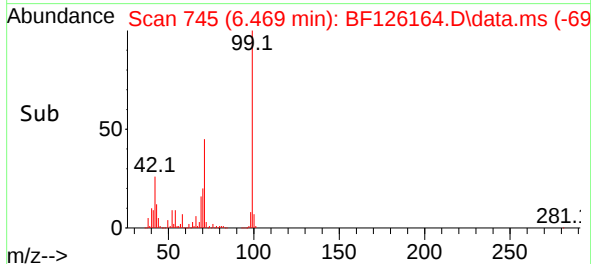
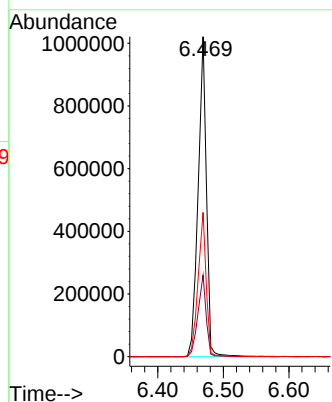
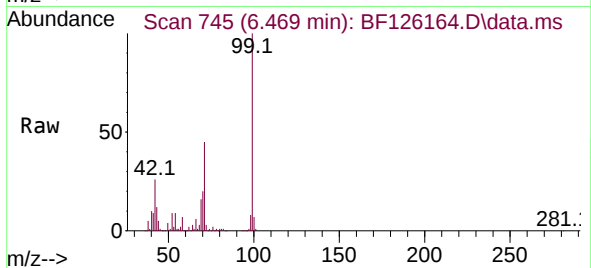




#7
Phenol-d6
Concen: 78.395 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

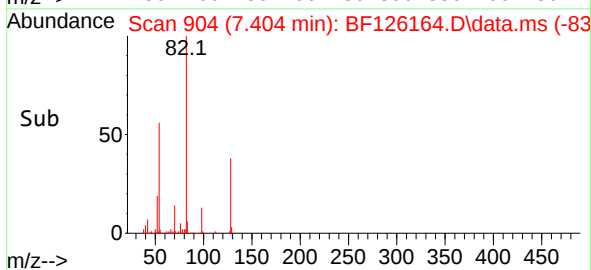
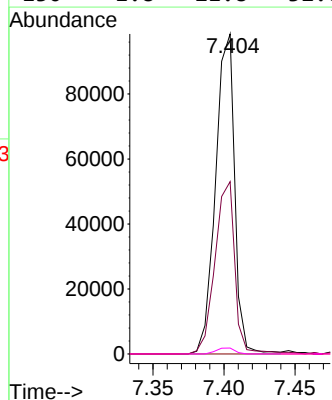
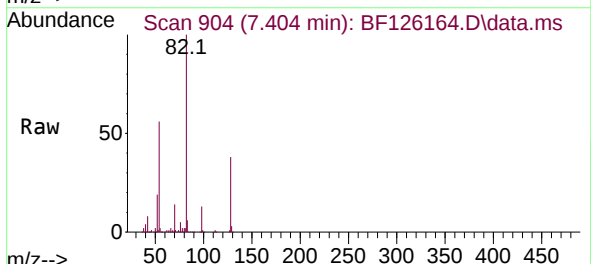
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

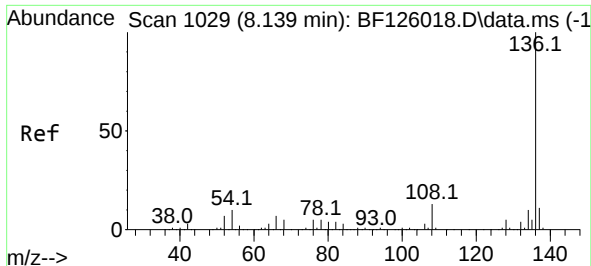
Tgt Ion: 99 Resp: 902508
Ion Ratio Lower Upper
99 100
42 25.5 23.5 35.3
71 45.1 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.122 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion: 70 Resp: 91998
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#

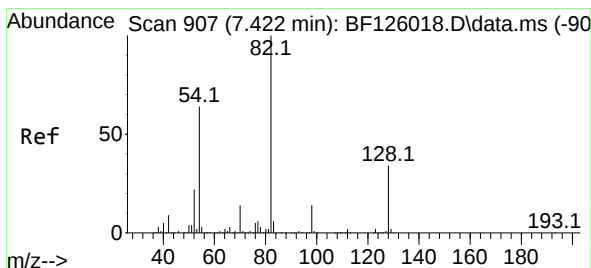
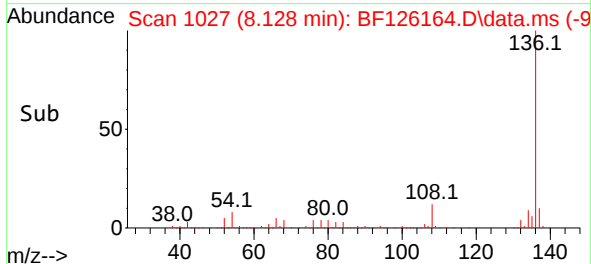
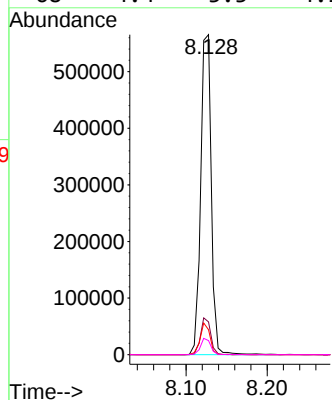
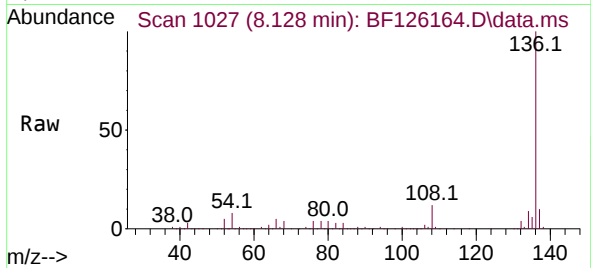




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.011 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

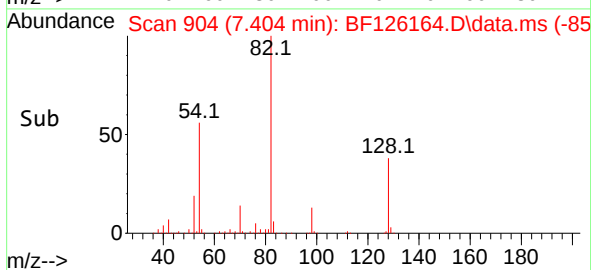
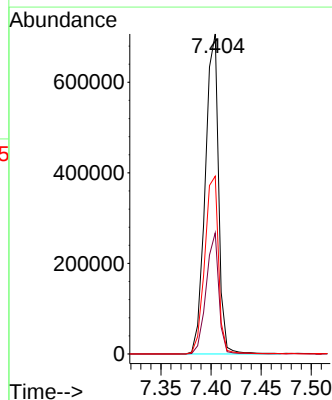
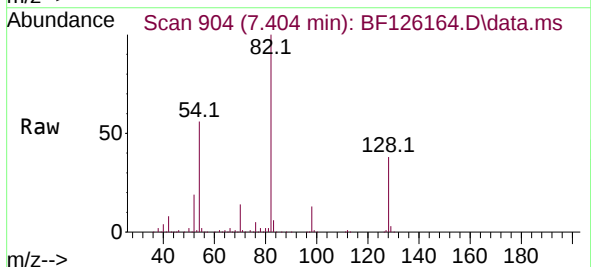
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

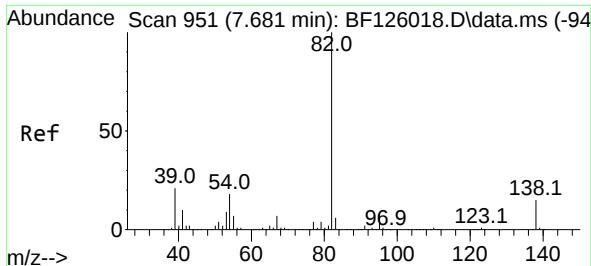
Tgt Ion:136 Resp: 514361
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 7.8 6.4 9.6
68 4.4 3.3 4.9



#23
Nitrobenzene-d5
Concen: 60.408 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion: 82 Resp: 658844
Ion Ratio Lower Upper
82 100
128 37.8 40.6 60.8#
54 55.5 49.6 74.4

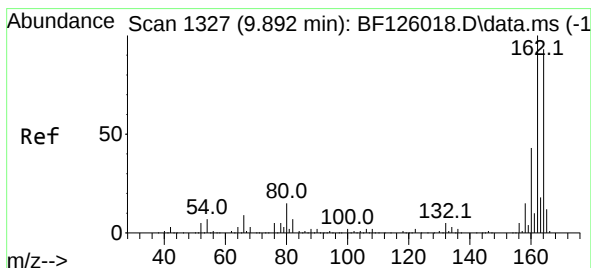
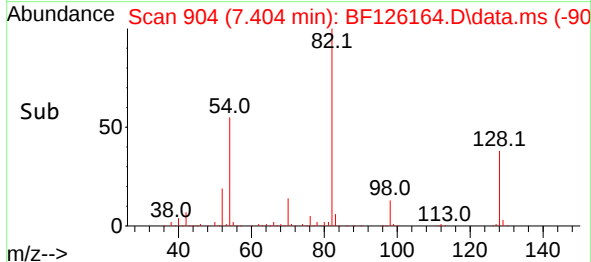
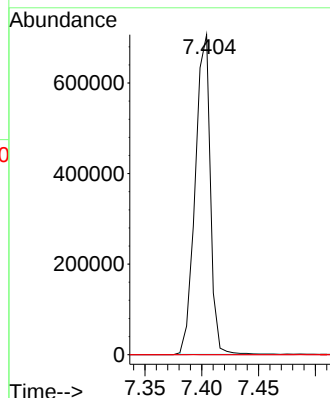
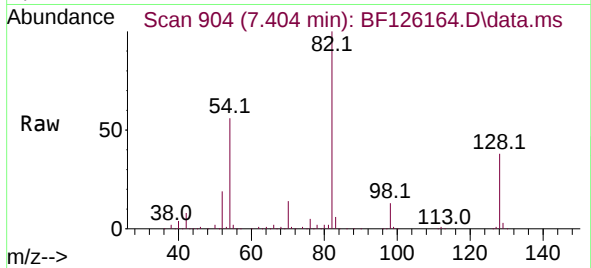




#25
Isophorone
Concen: 33.297 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

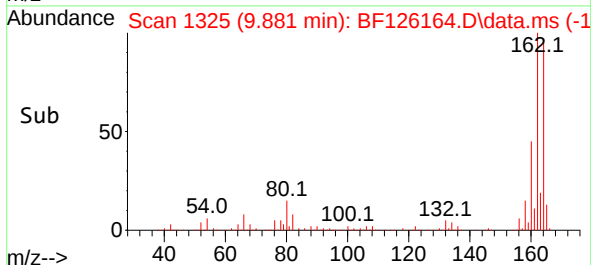
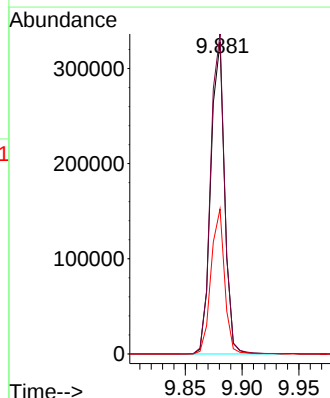
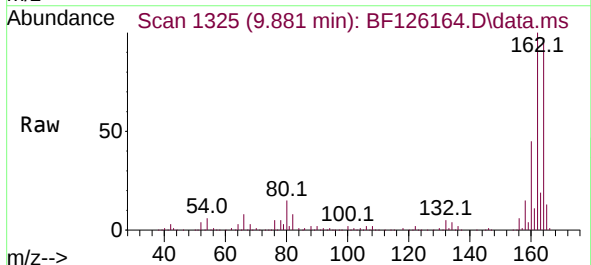
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

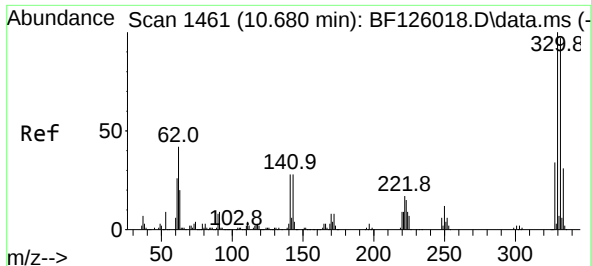
Tgt Ion: 82 Resp: 653844
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.011 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion: 164 Resp: 276246
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 46.4 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 71.773 ng

RT: 10.669 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5

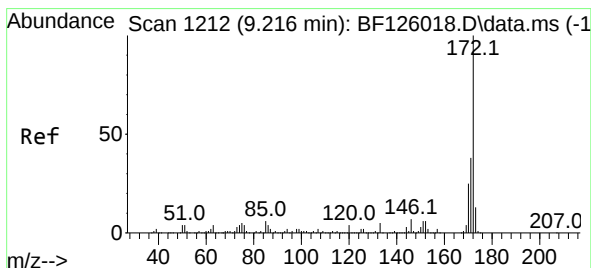
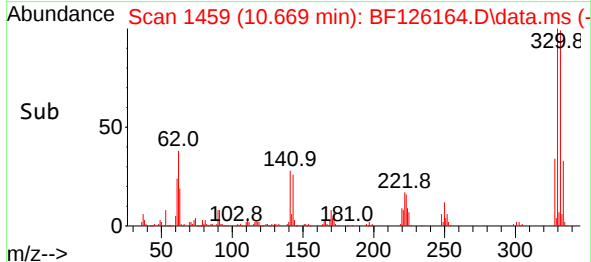
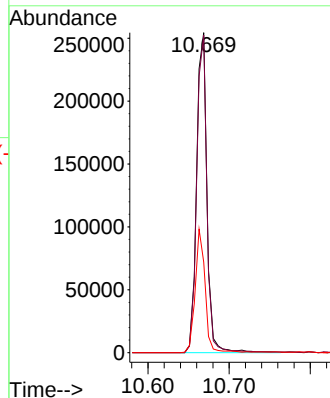
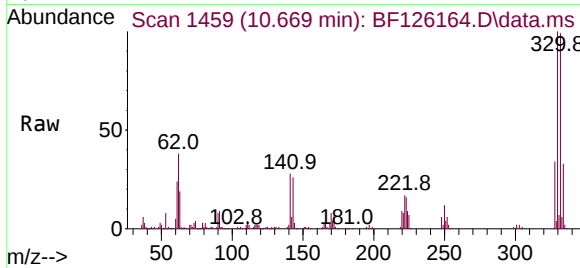
Tgt Ion:330 Resp: 227217

Ion Ratio Lower Upper

330 100

332 97.4 76.2 114.4

141 37.1 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 55.323 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.018 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

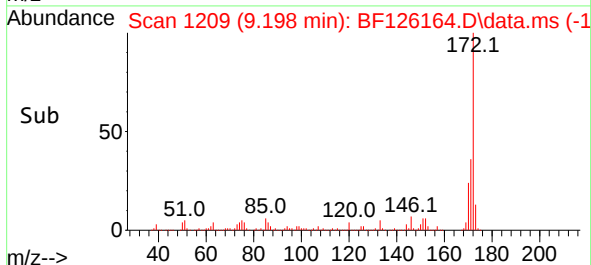
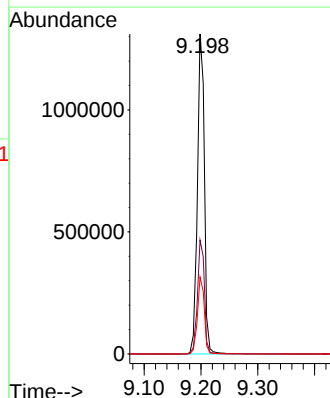
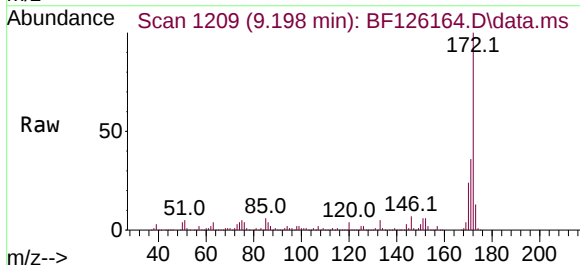
Tgt Ion:172 Resp: 1130908

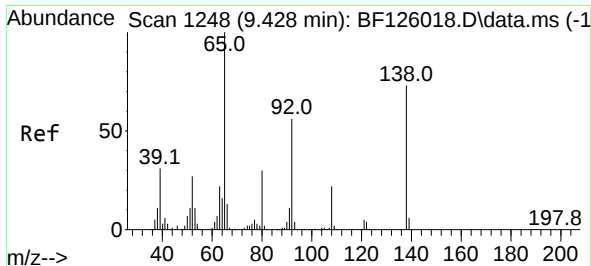
Ion Ratio Lower Upper

172 100

171 35.6 26.5 39.7

170 24.1 18.8 28.2





#48

2-Nitroaniline

Concen: 2.869 ng

RT: 9.516 min Scan# 11

Delta R.T. 0.088 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5

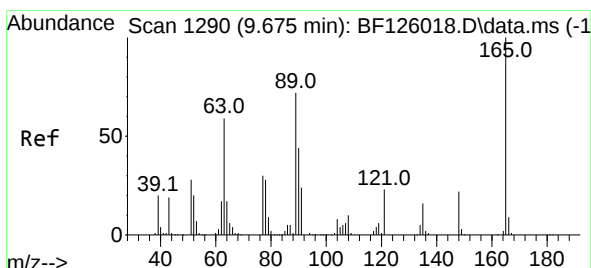
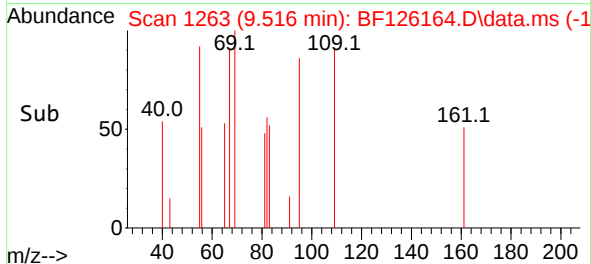
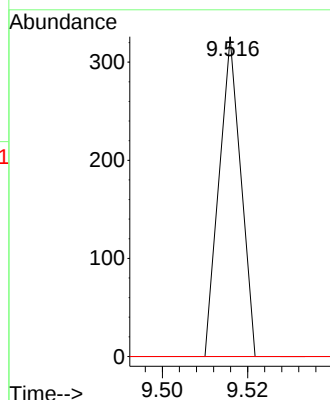
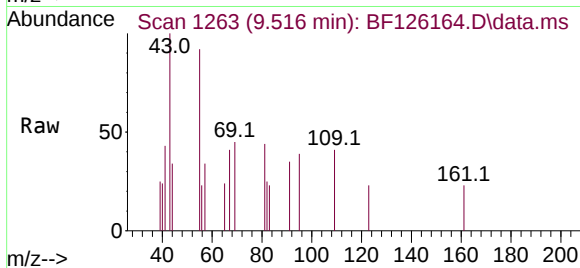
Tgt Ion: 65 Resp: 115

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: 10.144 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

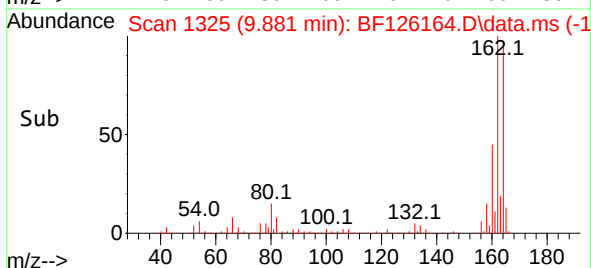
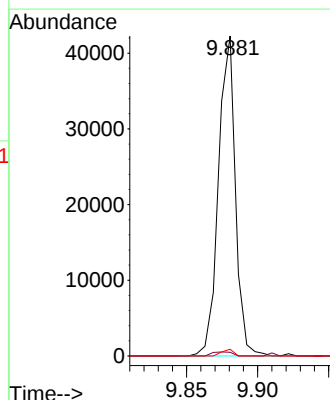
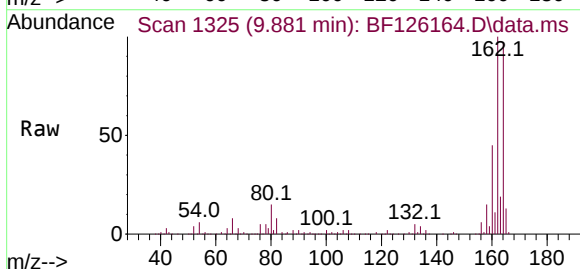
Tgt Ion: 165 Resp: 34968

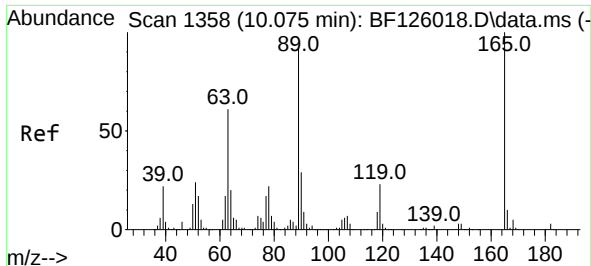
Ion Ratio Lower Upper

165 100

63 1.2 42.6 63.8#

89 2.1 40.6 60.8#

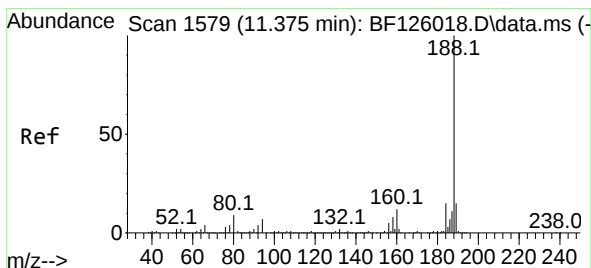
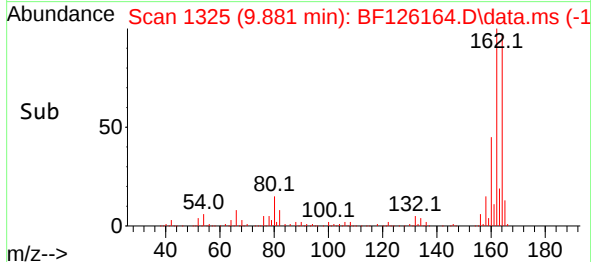
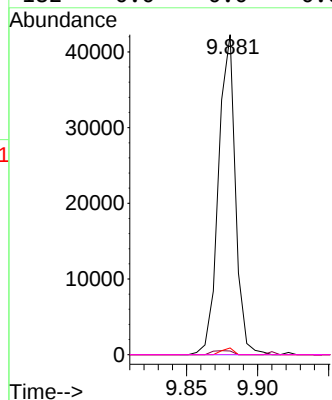
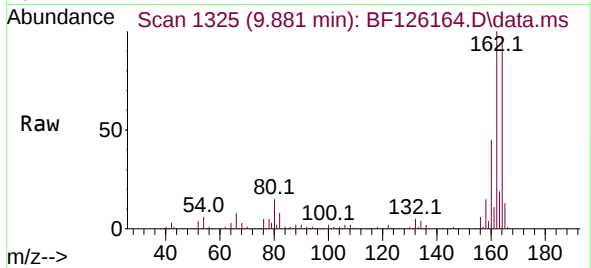




#57
2,4-Dinitrotoluene
Concen: 9.742 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

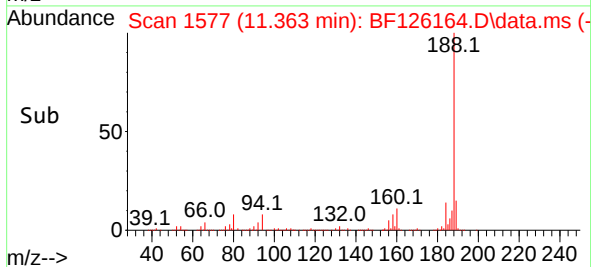
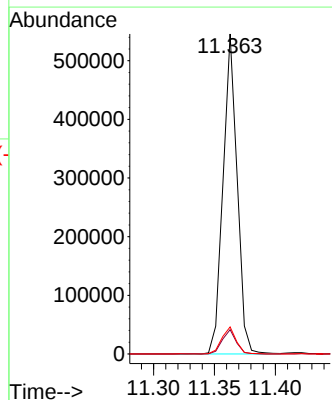
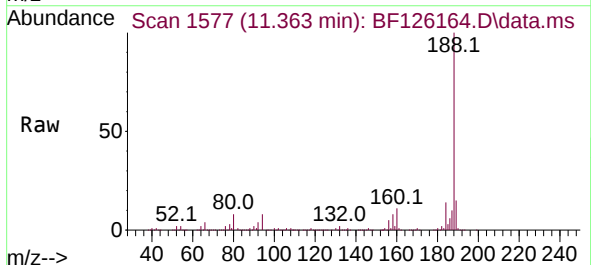
Instrument :
BNA_F
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TT-6/4-5

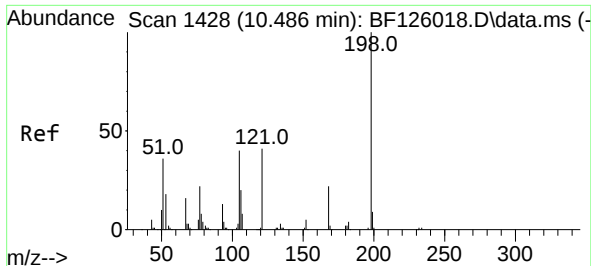
Tgt Ion:165 Resp: 34968
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 2.1 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:188 Resp: 440940
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.5 7.5 11.3

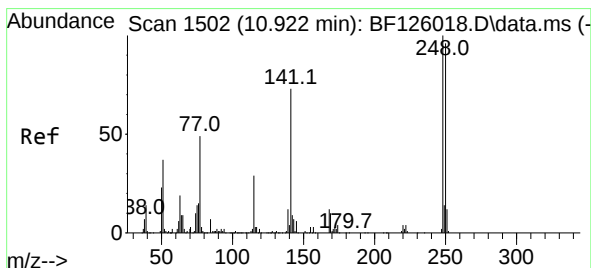
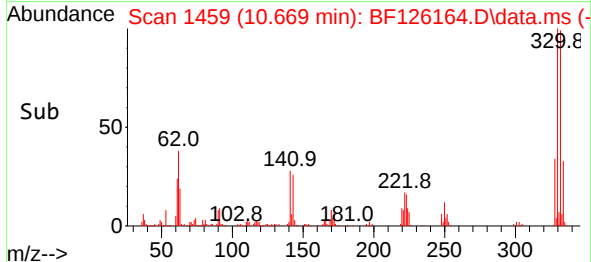
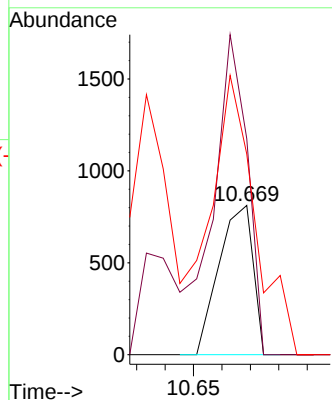
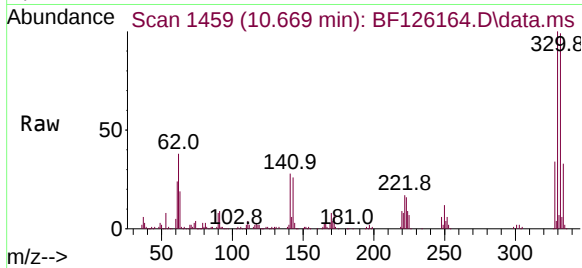




#65
4,6-Dinitro-2-methylphenol
Concen: 8.580 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

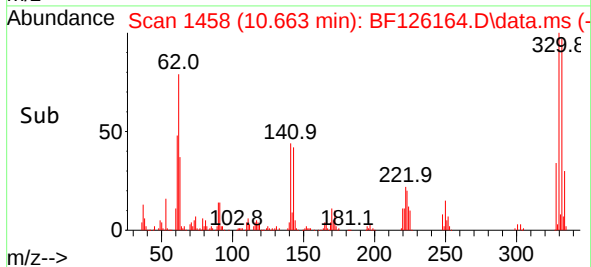
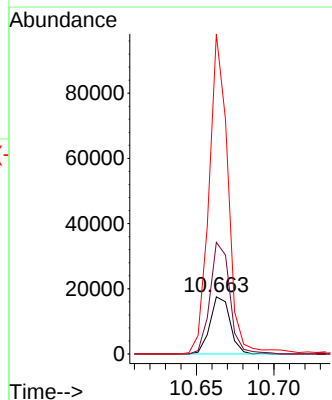
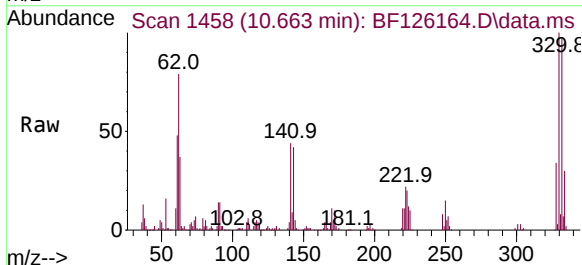
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

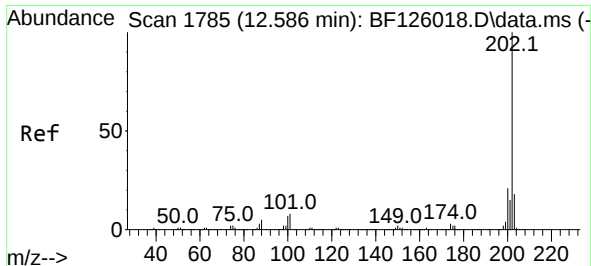
Tgt Ion:198 Resp: 675
Ion Ratio Lower Upper
198 100
51 144.7 45.3 85.3#
105 134.5 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 2.972 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.259 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:248 Resp: 15875
Ion Ratio Lower Upper
248 100
250 195.8 74.2 111.4#
141 560.8 60.4 90.6#

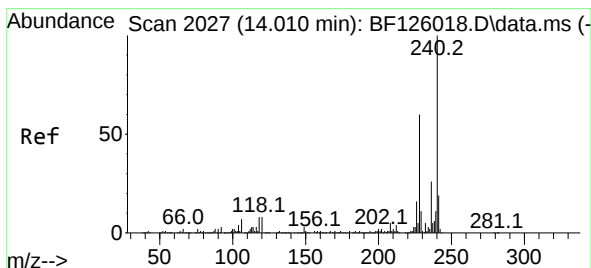
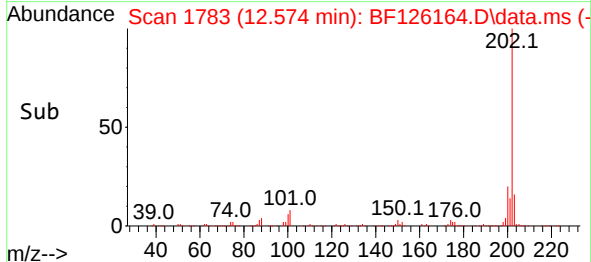
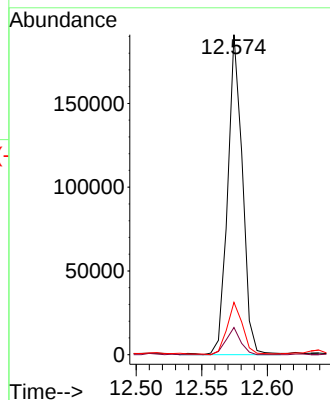
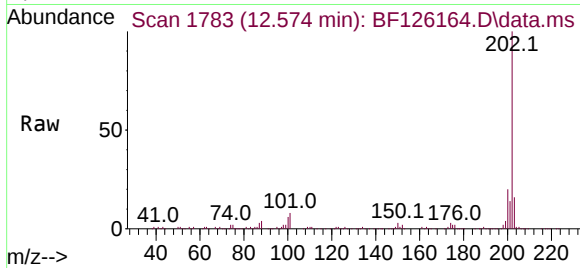




#75
Fluoranthene
Concen: 5.620 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

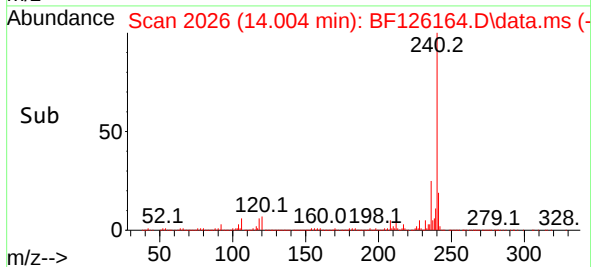
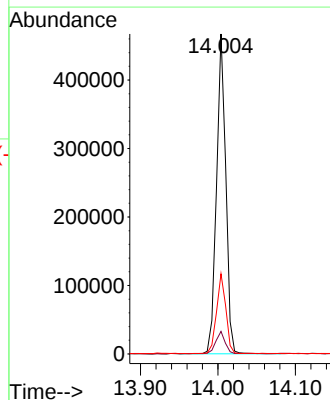
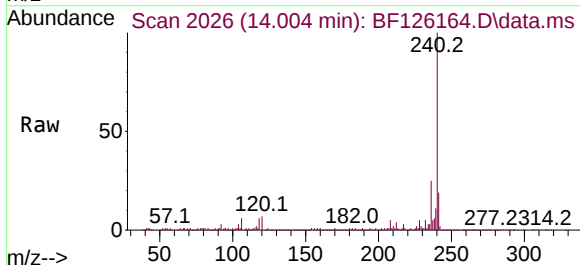
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

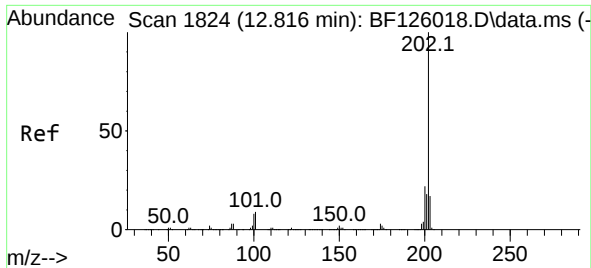
Tgt Ion:202 Resp: 149657
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 16.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:240 Resp: 386601
Ion Ratio Lower Upper
240 100
120 7.0 10.8 16.2#
236 25.0 21.6 32.4

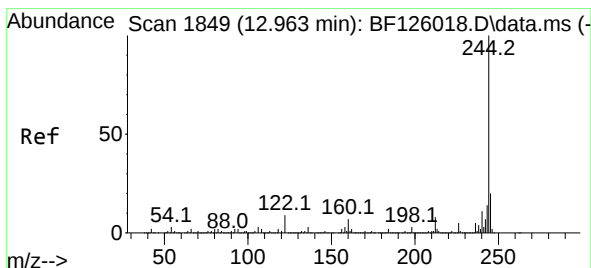
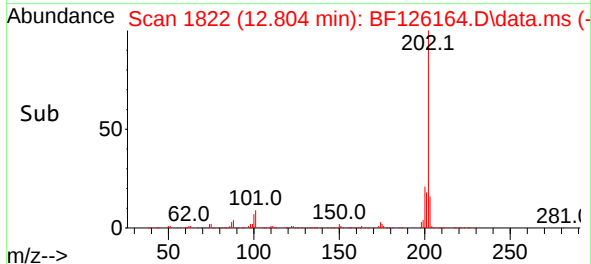
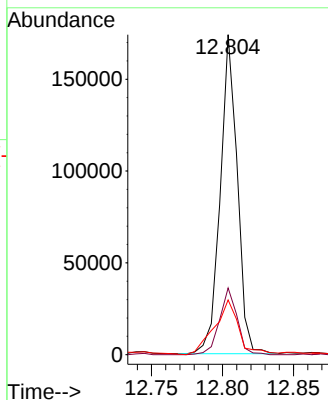
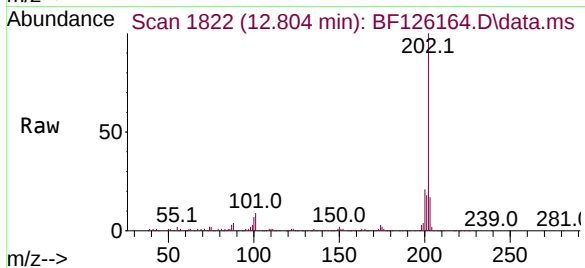




#78
 Pyrene
 Concen: 4.681 ng
 RT: 12.804 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF126164.D
 Acq: 12 Nov 2021 21:12

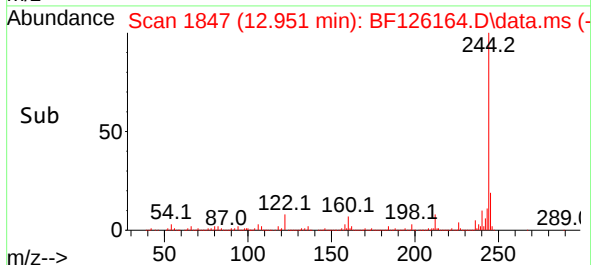
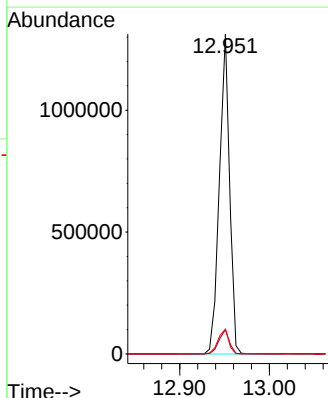
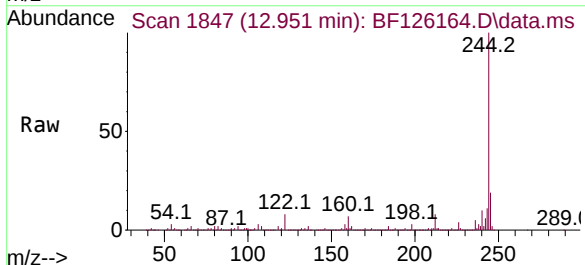
Instrument :
 BNA_F
 ClientSampleId :
 TT-6/4-5

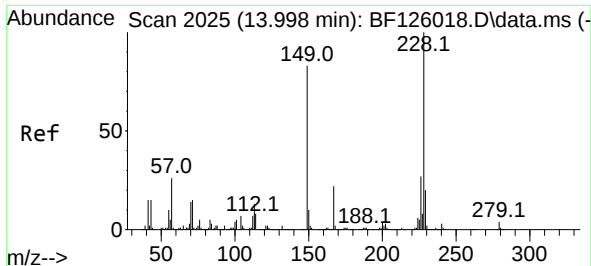
Tgt Ion:202	Resp:	145128
Ion Ratio	Lower	Upper
202	100	
200	20.9	15.3 22.9
203	17.1	13.4 20.0



#79
 Terphenyl-d14
 Concen: 43.257 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF126164.D
 Acq: 12 Nov 2021 21:12

Tgt Ion:244	Resp:	1037066
Ion Ratio	Lower	Upper
244	100	
212	7.6	5.9 8.9
122	7.7	9.0 13.4

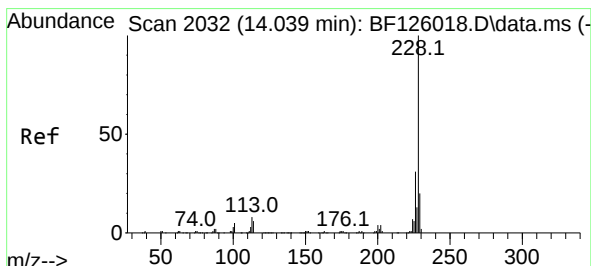
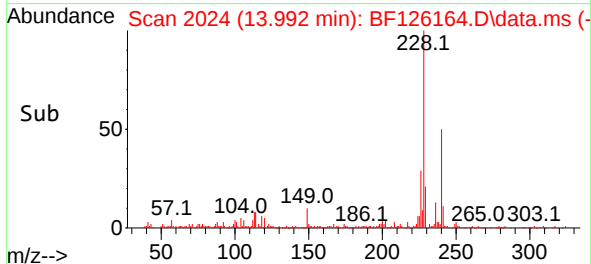
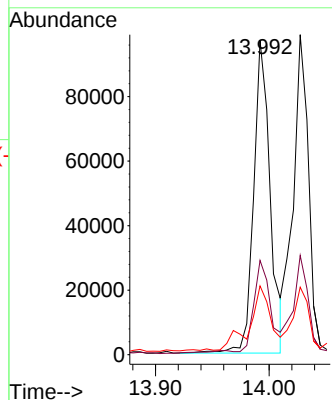
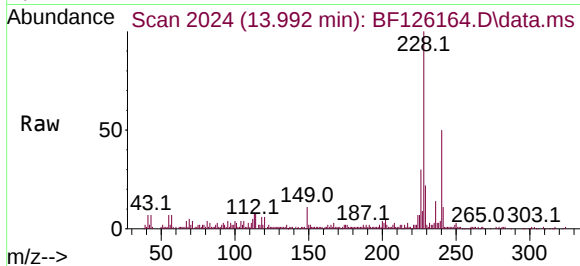




#81
Benzo(a)anthracene
Concen: 3.689 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

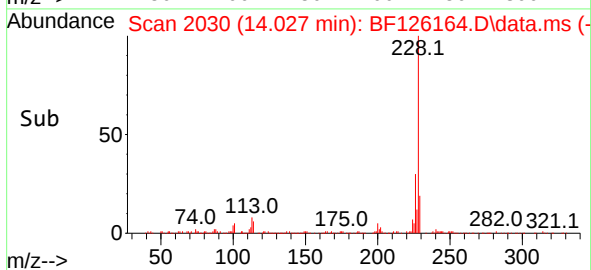
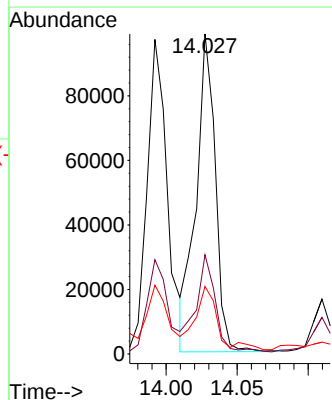
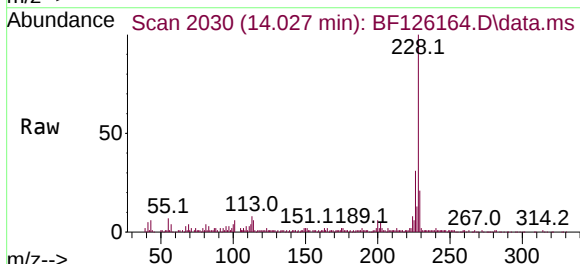
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

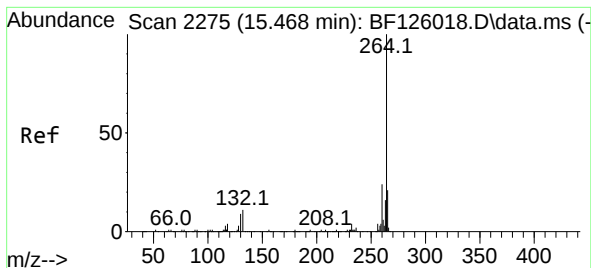
Tgt Ion:228 Resp: 97981
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.9 15.6 23.4



#83
Chrysene
Concen: 3.770 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:228 Resp: 93157
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 21.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5

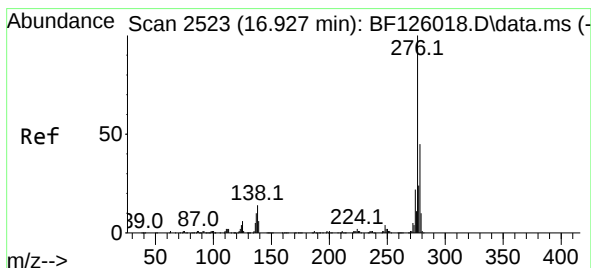
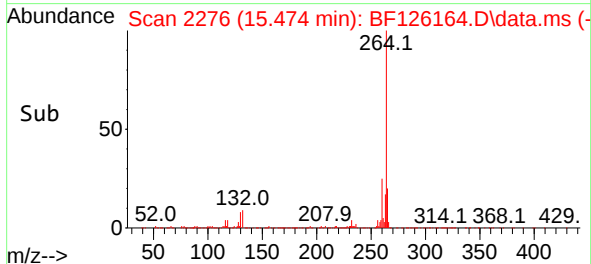
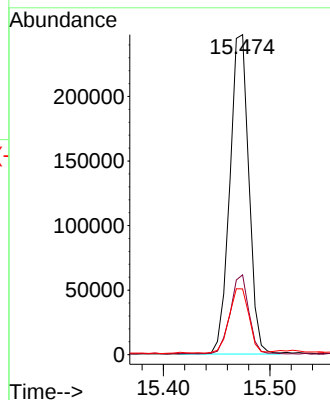
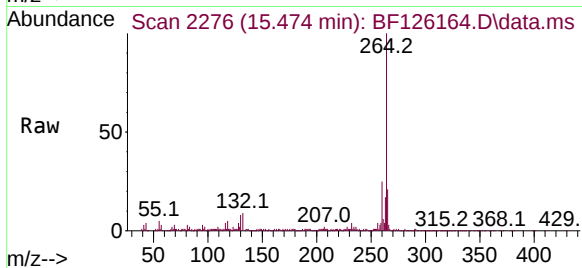
Tgt Ion:264 Resp: 307699

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

265 20.6 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.217 ng

RT: 16.927 min Scan# 2523

Delta R.T. 0.000 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

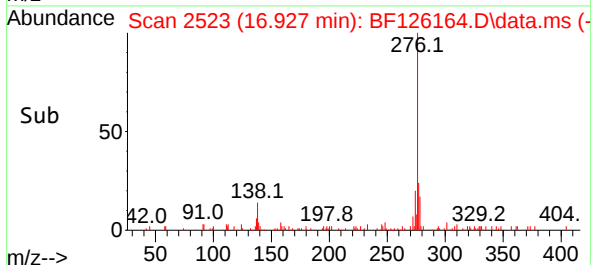
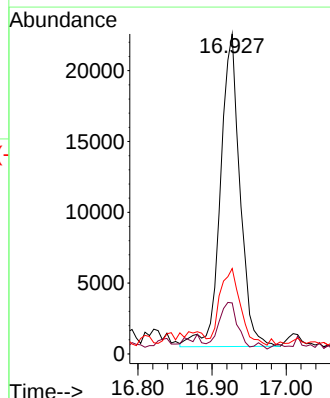
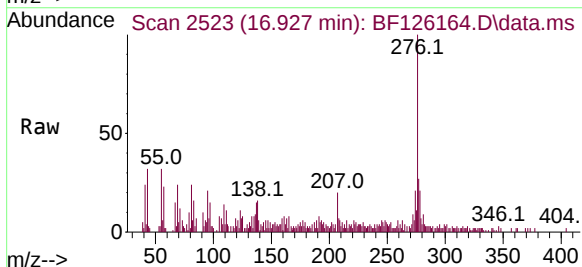
Tgt Ion:276 Resp: 40377

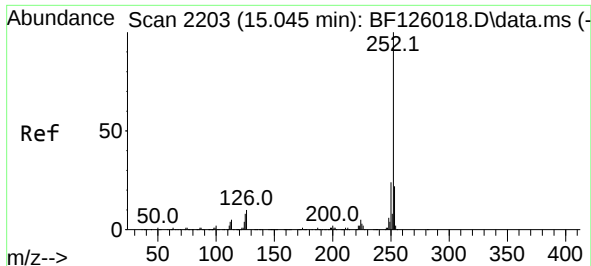
Ion Ratio Lower Upper

276 100

138 13.0 24.1 36.1#

277 25.8 18.8 28.2

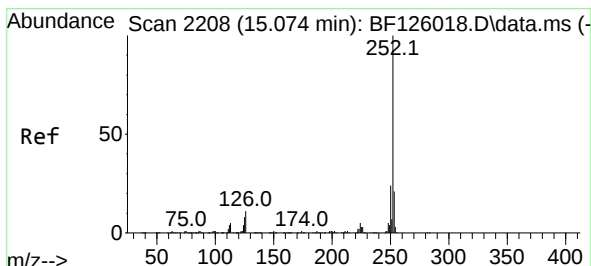
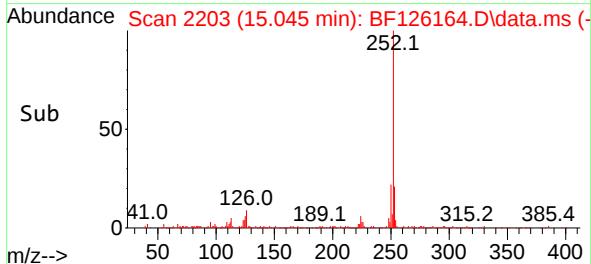
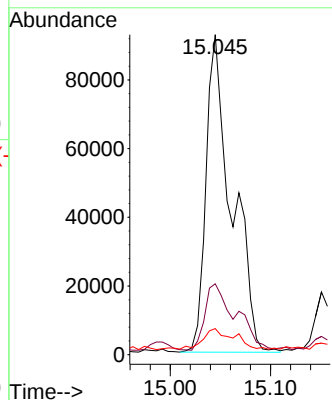
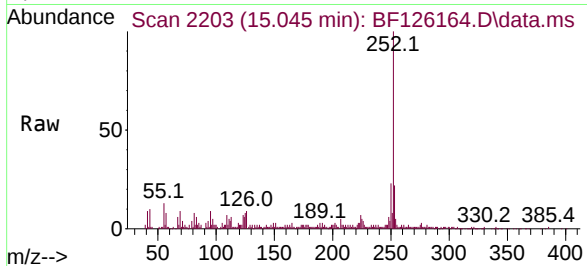




#88
Benzo(b)fluoranthene
Concen: 8.239 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

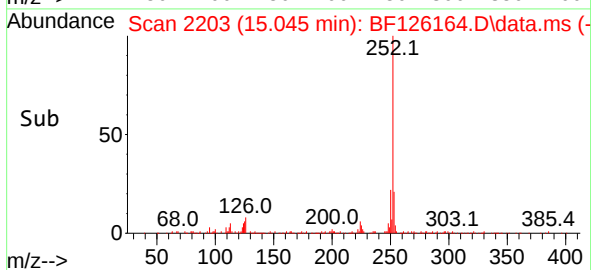
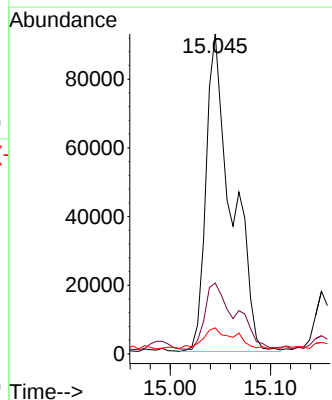
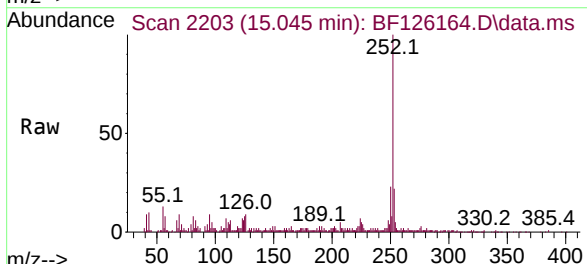
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

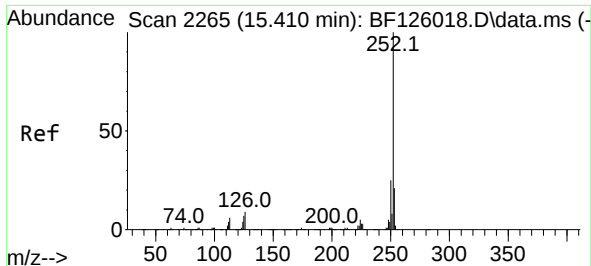
Tgt Ion:252 Resp: 164891
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 8.2 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 8.493 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.029 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:252 Resp: 164891
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 8.2 7.2 10.8

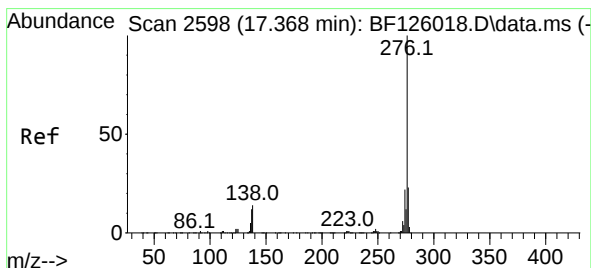
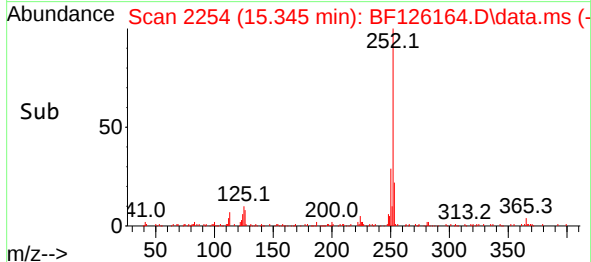
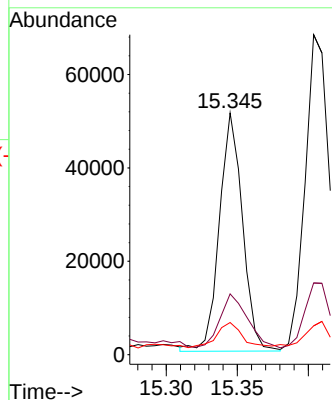
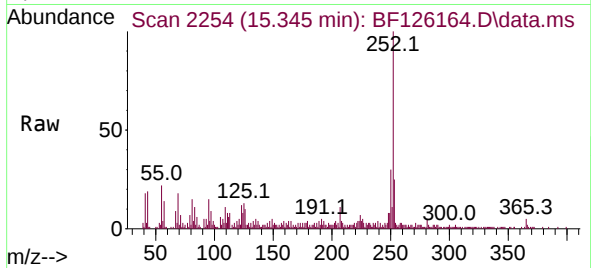




#90
Benzo(a)pyrene
Concen: 3.662 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.065 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

Tgt Ion:252 Resp: 57739
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 13.3 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 2.633 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.000 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:276 Resp: 37777
Ion Ratio Lower Upper
276 100
277 32.3 22.0 33.0
138 19.1 22.2 33.4#

