

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126145.D
 Acq On : 12 Nov 2021 1:43
 Operator : JU/CG
 Sample : M4639-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Nov 12 09:46:10 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)

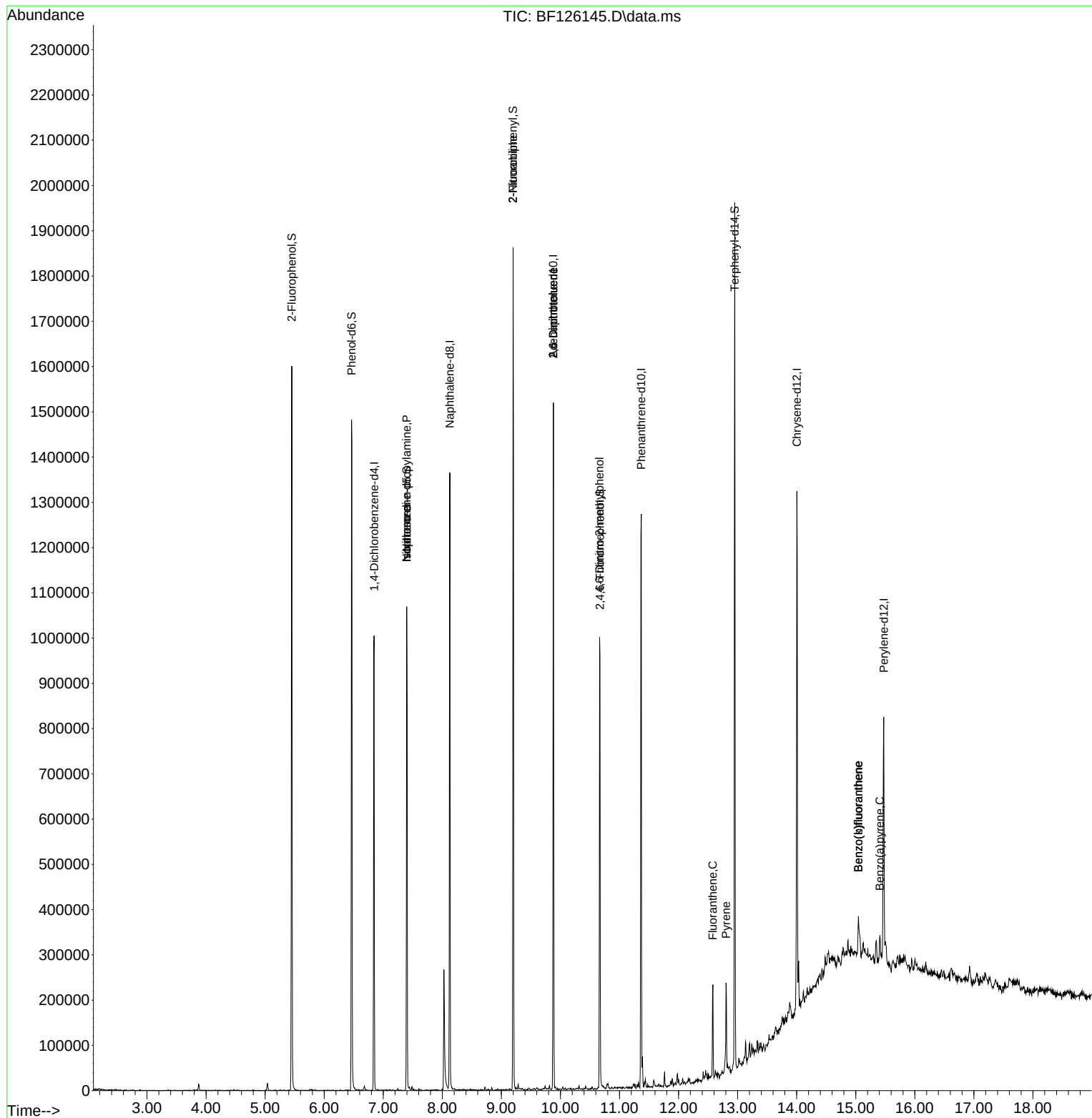
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	139836	20.000	ng	-0.01
21) Naphthalene-d8	8.128	136	500818	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	263686	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	467344	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	387326	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	230659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	328749	40.373	ng	-0.01
7) Phenol-d6	6.463	99	417258	36.350	ng	-0.02
23) Nitrobenzene-d5	7.398	82	292428	27.537	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	113732	37.637	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	514711	26.378	ng	-0.02
79) Terphenyl-d14	12.951	244	566061	23.567	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	226	Below Cal	#	46
19) n-Nitroso-di-n-propyla...	7.398	70	40979	5.415	ng	# 61
25) Isophorone	7.398	82	289805	15.157	ng	# 59
48) 2-Nitroaniline	9.198	65	1071	3.041	ng	# 16
51) 2,6-Dinitrotoluene	9.880	165	34016	10.337	ng	# 28
57) 2,4-Dinitrotoluene	9.880	165	34016	9.868	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.663	198	431	8.475	ng	# 1
75) Fluoranthene	12.580	202	80371	2.848	ng	96
78) Pyrene	12.804	202	80432	2.589	ng	96
88) Benzo(b)fluoranthene	15.045	252	57127	3.808	ng	93
89) Benzo(k)fluoranthene	15.045	252	57127	3.925	ng	96
90) Benzo(a)pyrene	15.410	252	28771	2.434	ng	99

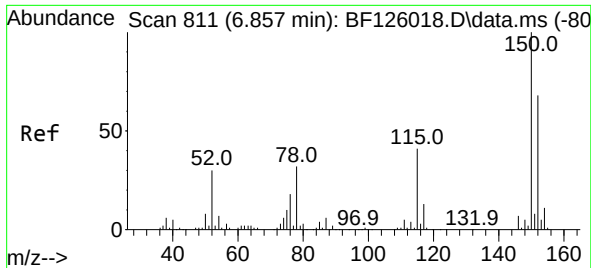
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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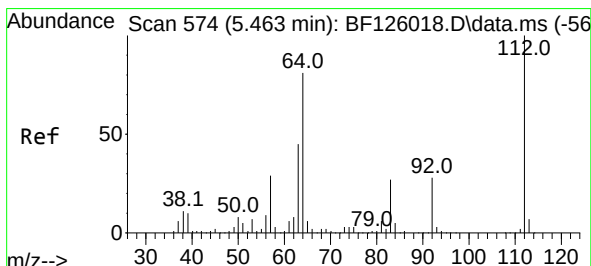
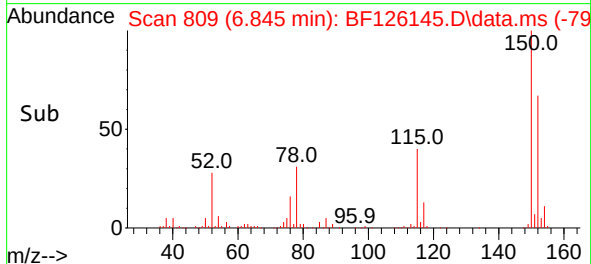
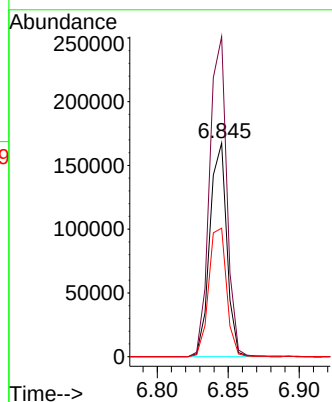
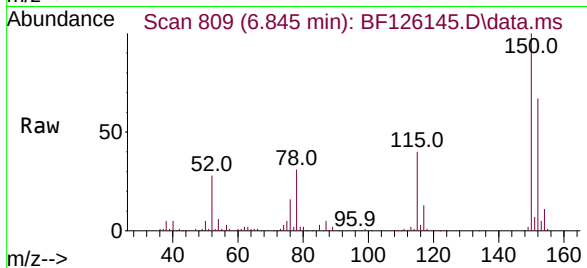




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

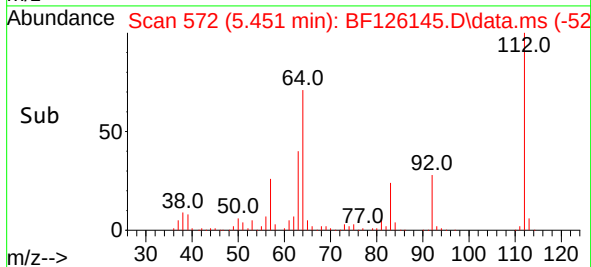
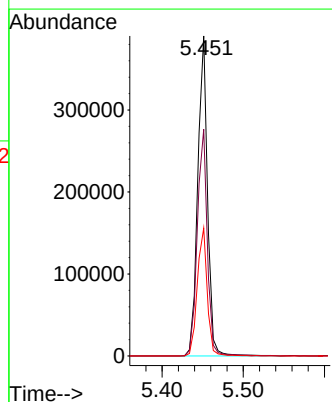
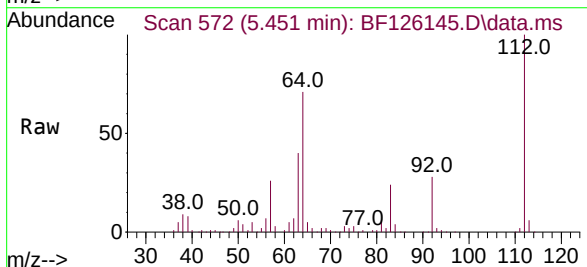
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

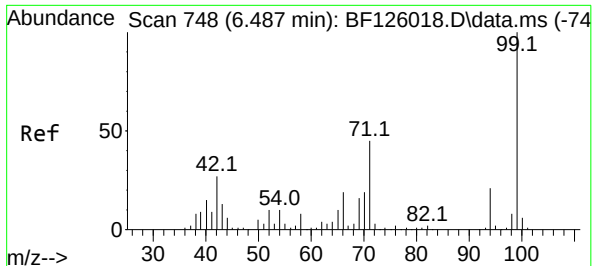
Tgt Ion:152 Resp: 139836
Ion Ratio Lower Upper
152 100
150 149.8 117.6 176.4
115 60.1 47.1 70.7



#5
2-Fluorophenol
Concen: 40.373 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion:112 Resp: 328749
Ion Ratio Lower Upper
112 100
64 70.8 44.2 66.2#
63 40.0 26.2 39.2#

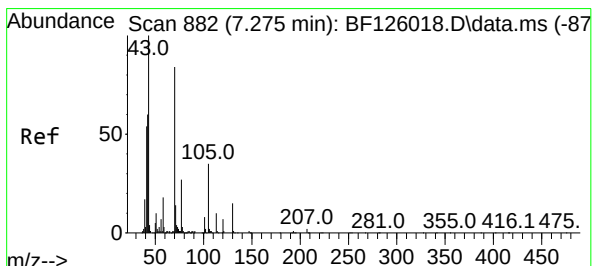
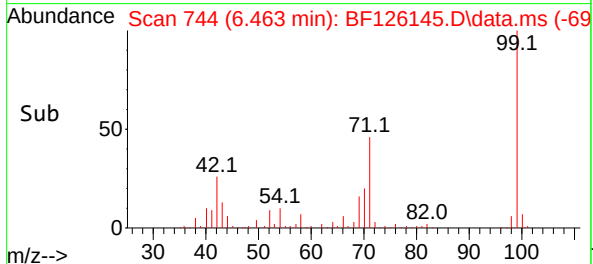
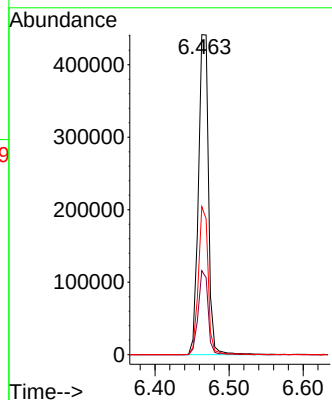
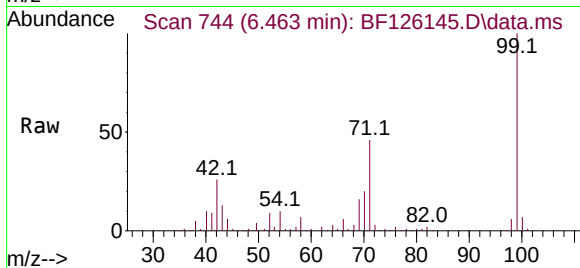




#7
Phenol-d6
Concen: 36.350 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

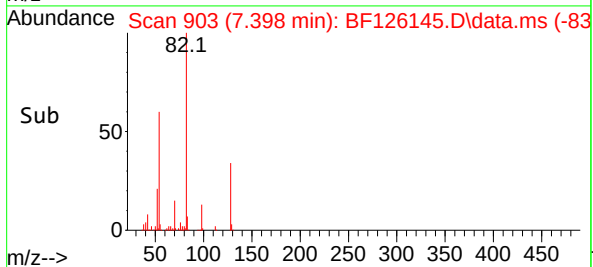
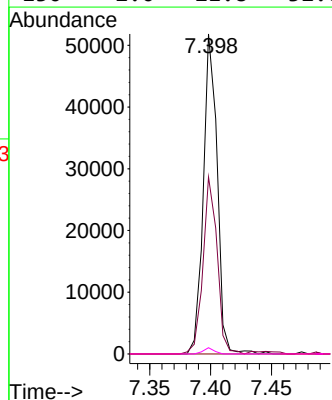
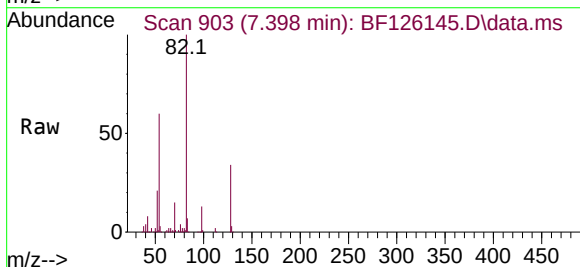
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

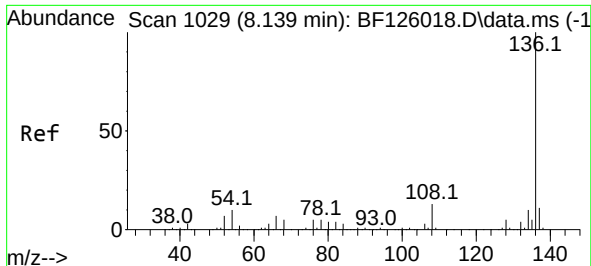
Tgt Ion: 99 Resp: 417258
Ion Ratio Lower Upper
99 100
42 26.2 23.5 35.3
71 46.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 5.415 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.123 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion: 70 Resp: 40979
Ion Ratio Lower Upper
70 100
42 55.3 72.2 108.2#
101 0.0 7.8 11.8#
130 2.0 21.8 32.6#

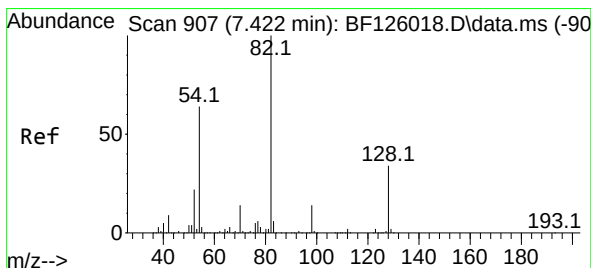
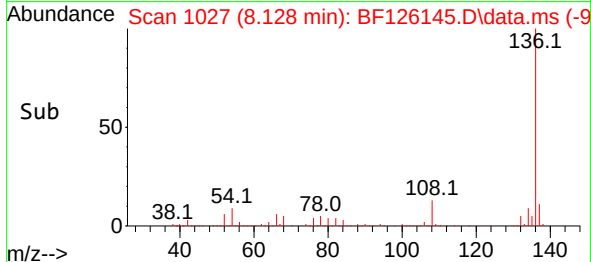
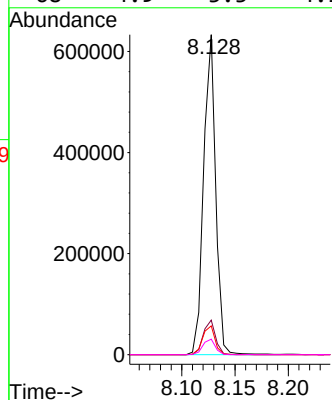
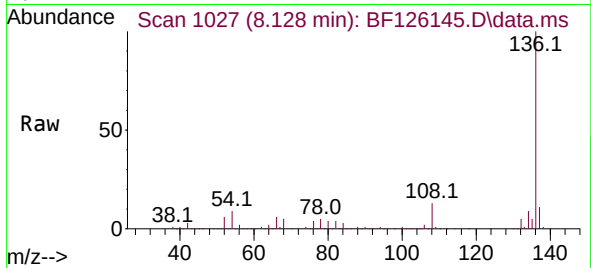




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 10
Delta R.T. -0.011 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

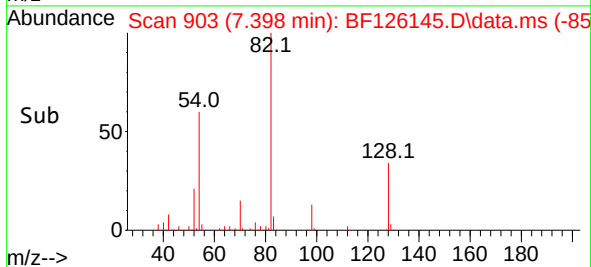
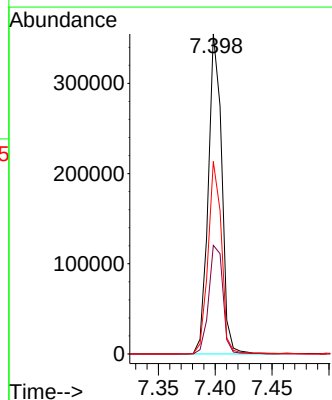
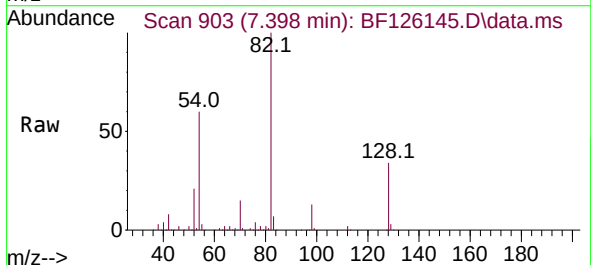
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

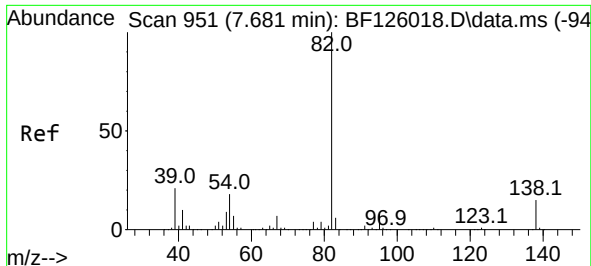
Tgt Ion:	136	Resp:	500818
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.8	14.6
54	9.0	6.4	9.6
68	4.9	3.3	4.9



#23
Nitrobenzene-d5
Concen: 27.537 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.024 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion:	82	Resp:	292428
Ion Ratio	Lower	Upper	
82	100		
128	34.0	40.6	60.8#
54	60.2	49.6	74.4

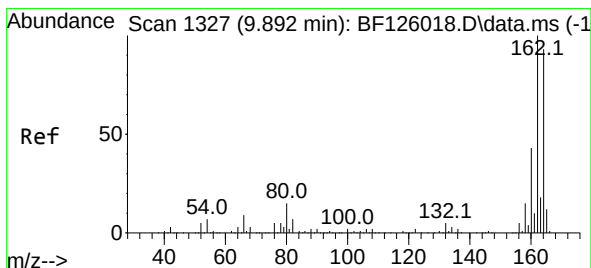
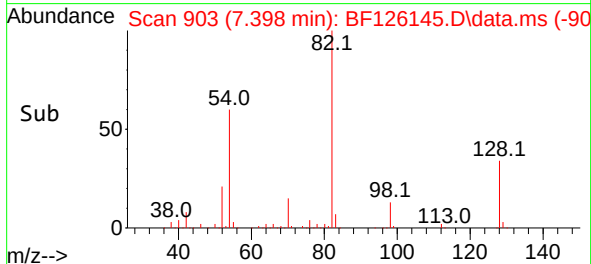
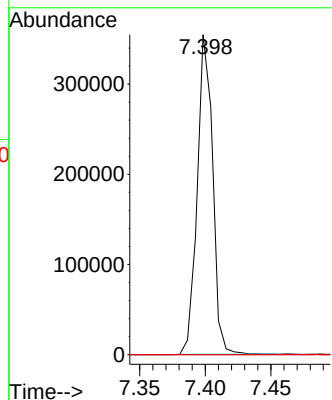
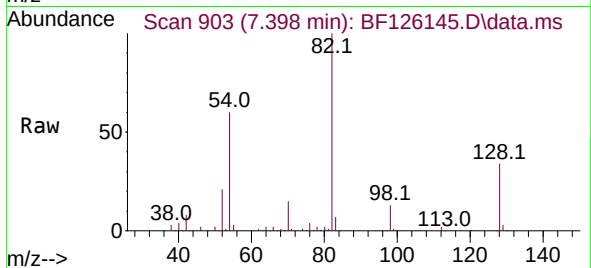




#25
Isophorone
Concen: 15.157 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.283 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

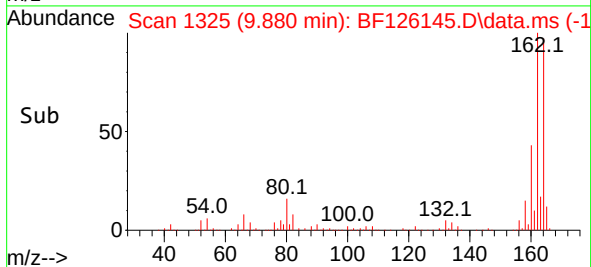
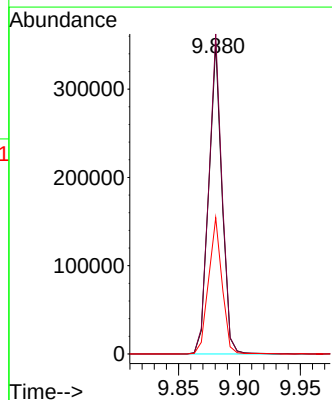
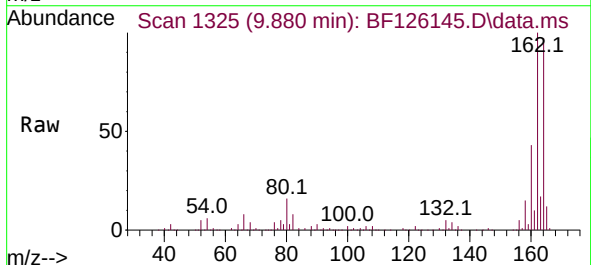
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

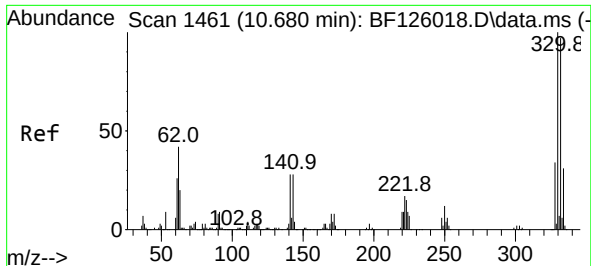
Tgt Ion: 82 Resp: 289805
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion: 164 Resp: 263686
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 43.9 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 37.637 ng

RT: 10.669 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF126145.D

Acq: 12 Nov 2021 1:43

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5

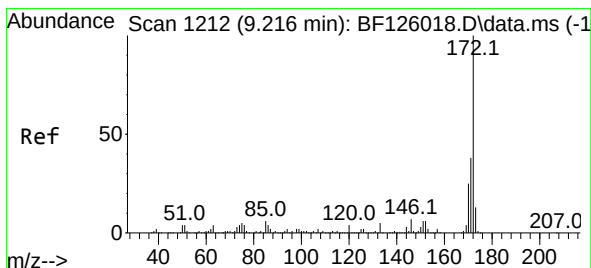
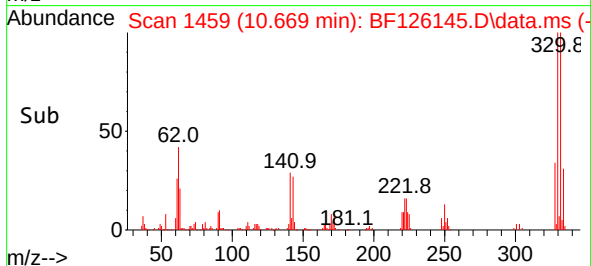
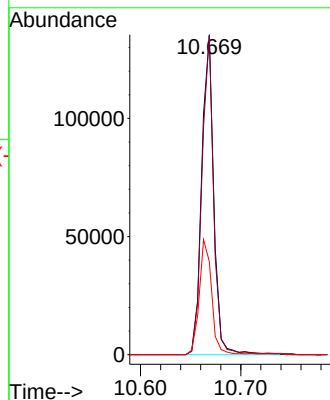
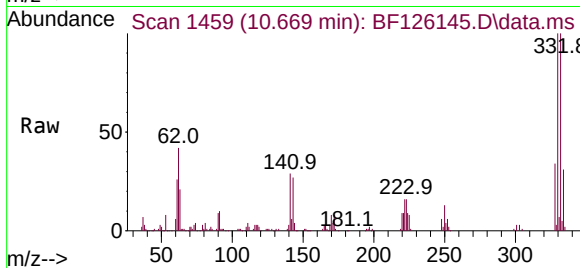
Tgt Ion:330 Resp: 113732

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

141 37.3 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 26.378 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.018 min

Lab File: BF126145.D

Acq: 12 Nov 2021 1:43

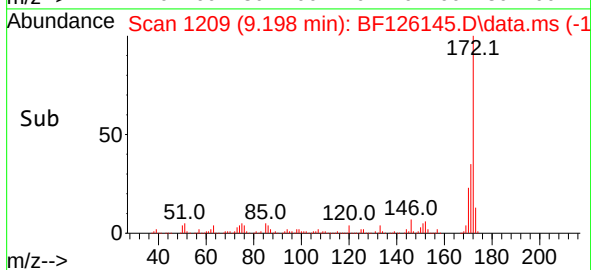
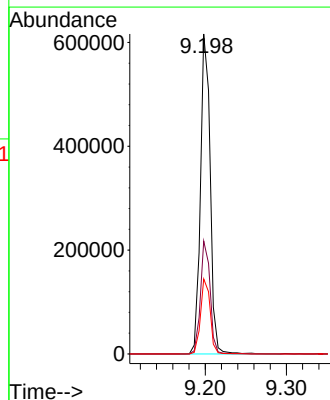
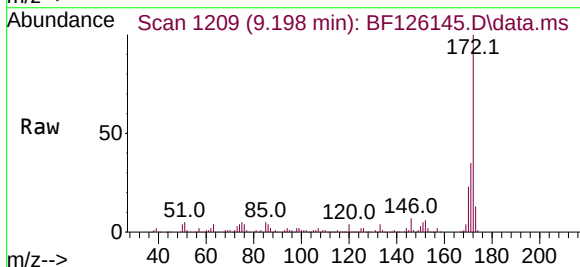
Tgt Ion:172 Resp: 514711

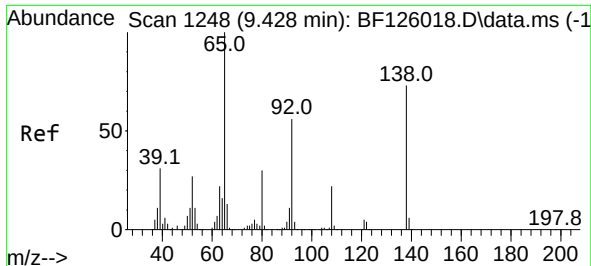
Ion Ratio Lower Upper

172 100

171 35.3 26.5 39.7

170 23.4 18.8 28.2

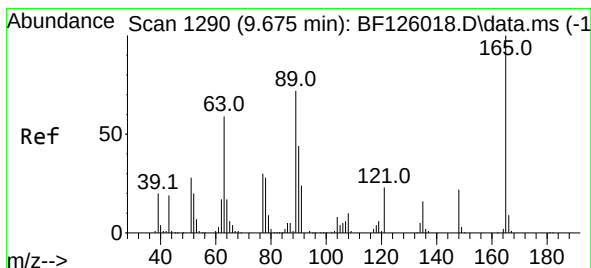
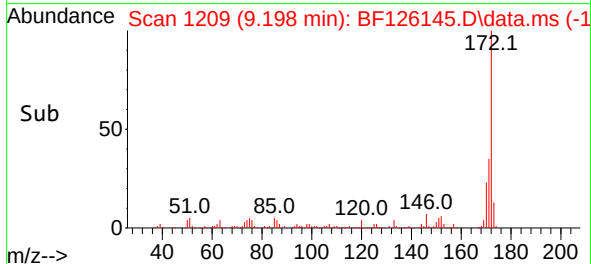
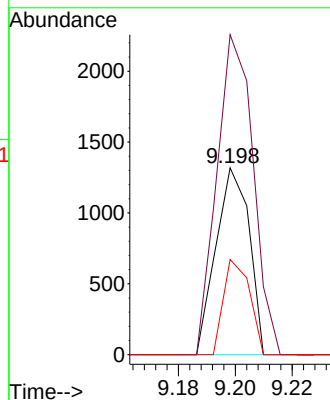
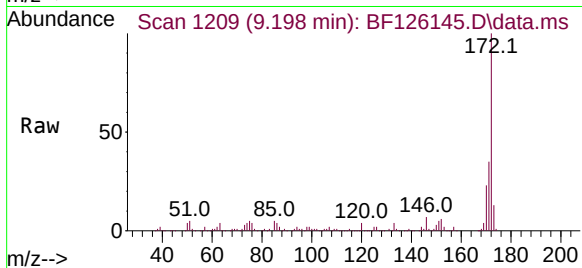




#48
2-Nitroaniline
Concen: 3.041 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

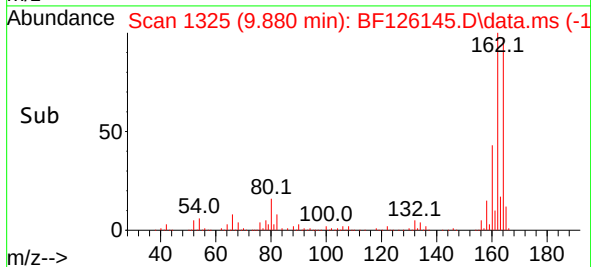
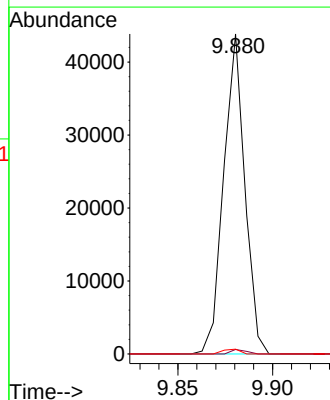
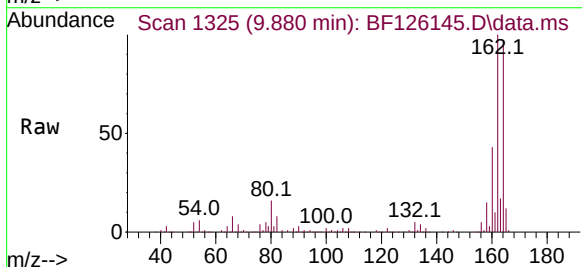
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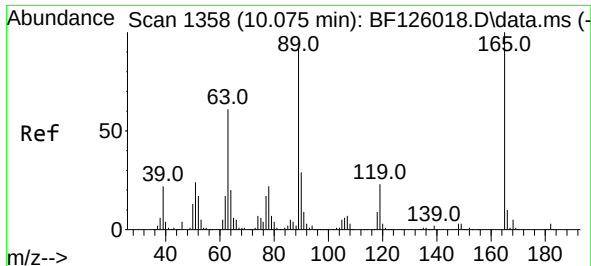
Tgt Ion: 65 Resp: 1071
Ion Ratio Lower Upper
65 100
92 171.2 55.5 83.3#
138 50.9 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.337 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.205 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion:165 Resp: 34016
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.5 40.6 60.8#

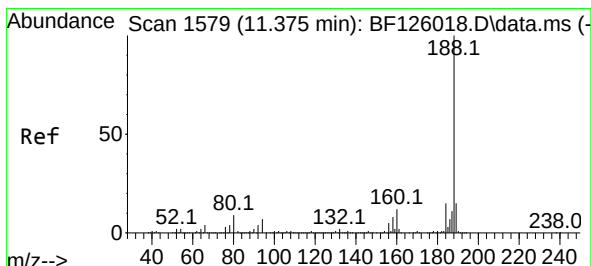
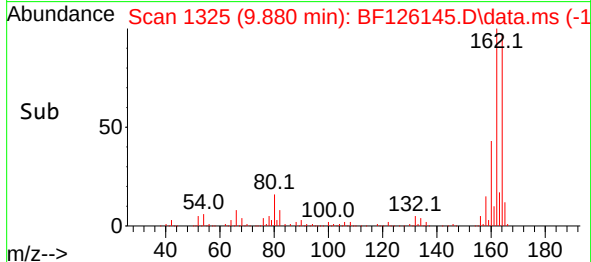
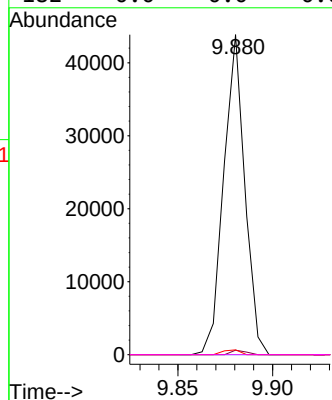
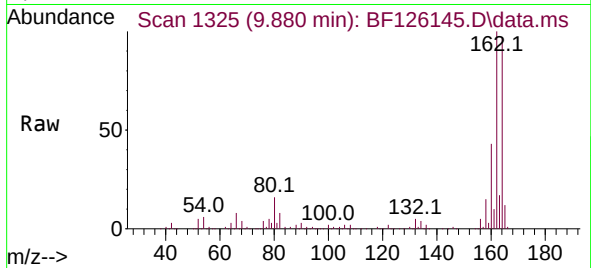




#57
2,4-Dinitrotoluene
Concen: 9.868 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

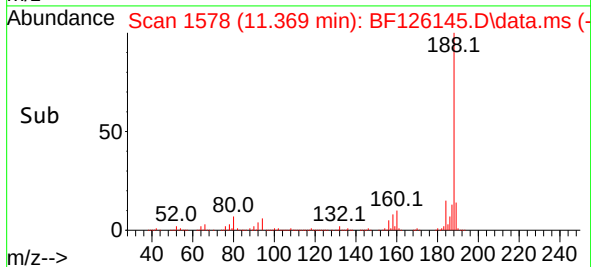
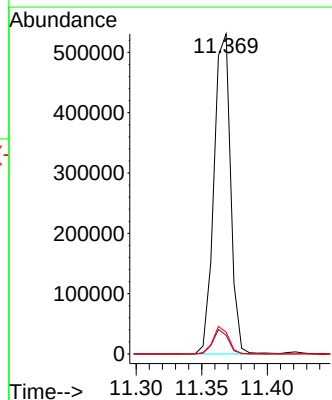
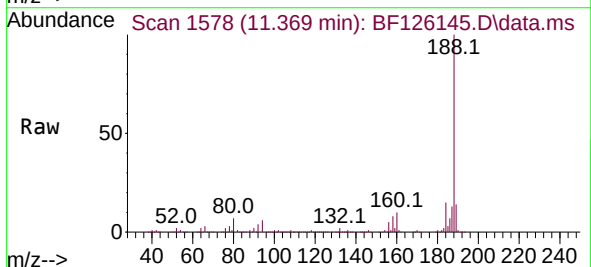
Instrument :
BNA_F
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TT-6/4-5

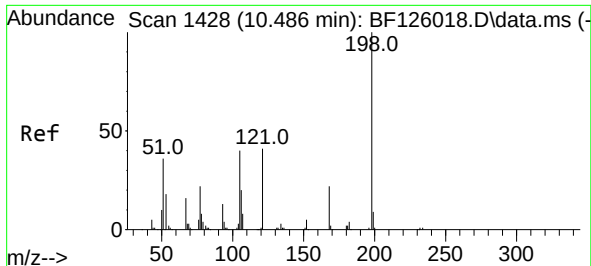
Tgt Ion:165 Resp: 34016
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion:188 Resp: 467344
Ion Ratio Lower Upper
188 100
94 5.9 6.7 10.1#
80 6.8 7.5 11.3#

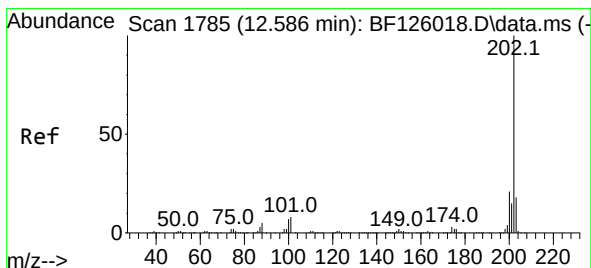
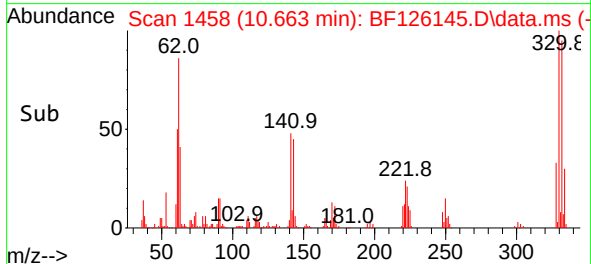
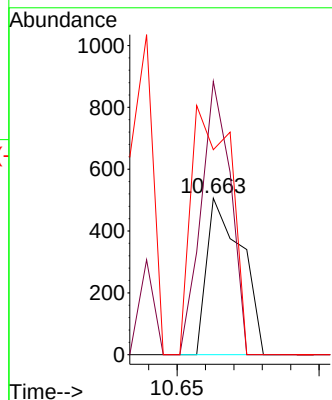
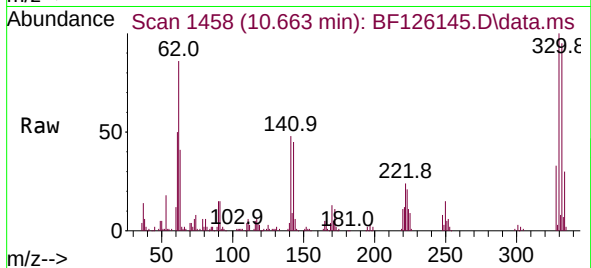




#65
4,6-Dinitro-2-methylphenol
Concen: 8.475 ng
RT: 10.663 min Scan# 1428
Delta R.T. 0.177 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

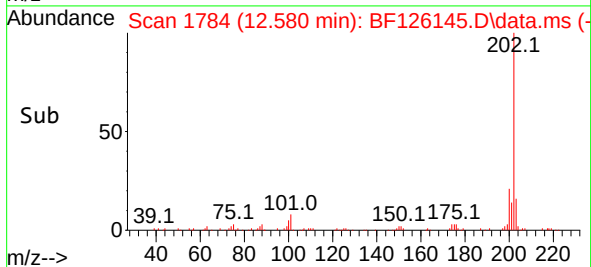
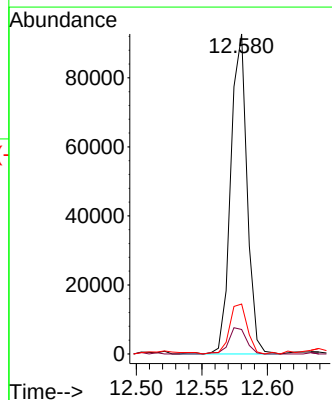
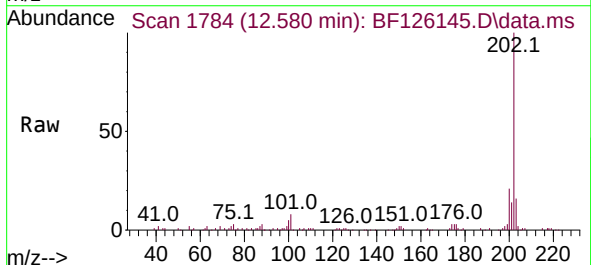
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

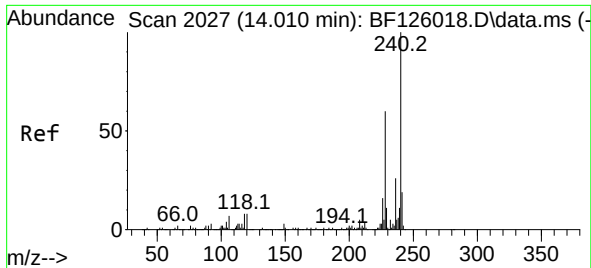
Tgt Ion:198 Resp: 431
Ion Ratio Lower Upper
198 100
51 174.7 45.3 85.3#
105 131.0 30.6 70.6#



#75
Fluoranthene
Concen: 2.848 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion:202 Resp: 80371
Ion Ratio Lower Upper
202 100
101 7.6 0.0 30.7
203 15.6 0.0 36.3

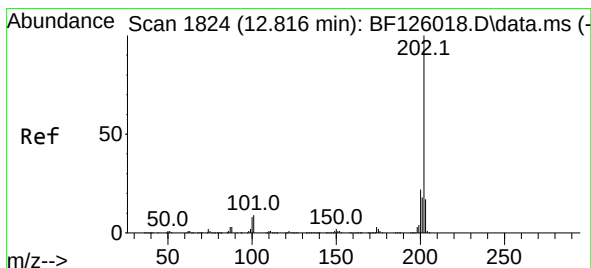
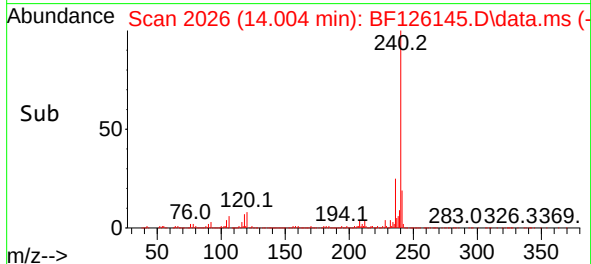
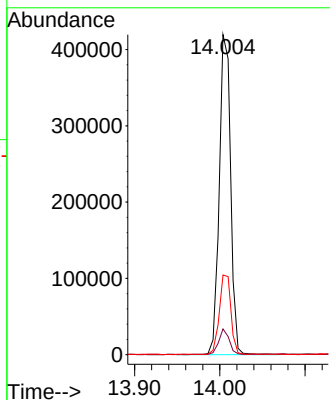
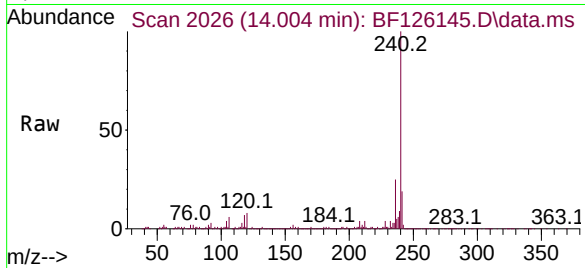




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

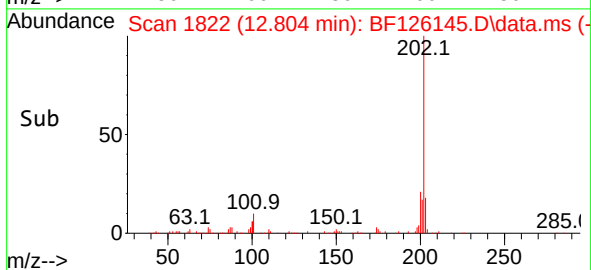
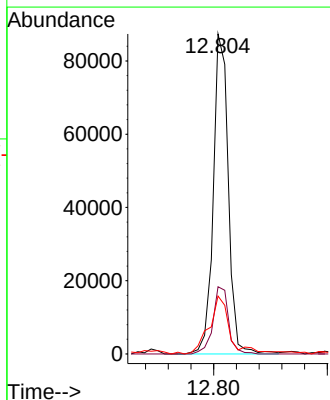
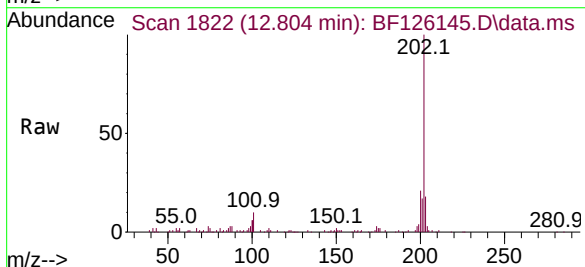
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

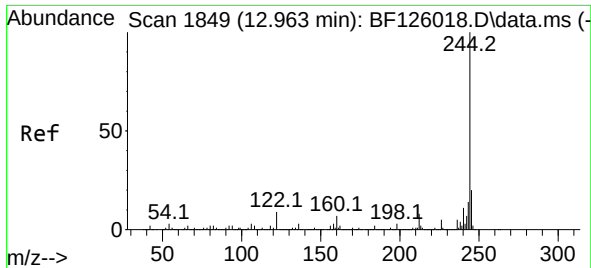
Tgt Ion:240 Resp: 387326
Ion Ratio Lower Upper
240 100
120 8.0 10.8 16.2#
236 24.9 21.6 32.4



#78
Pyrene
Concen: 2.589 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF126145.D
Acq: 12 Nov 2021 1:43

Tgt Ion:202 Resp: 80432
Ion Ratio Lower Upper
202 100
200 21.0 15.3 22.9
203 18.1 13.4 20.0

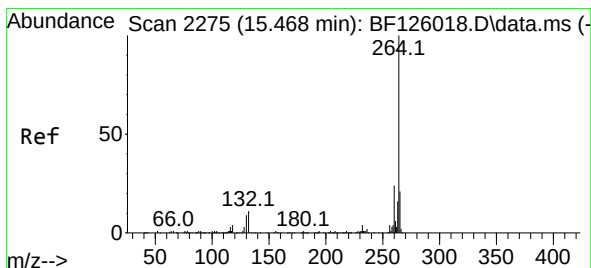
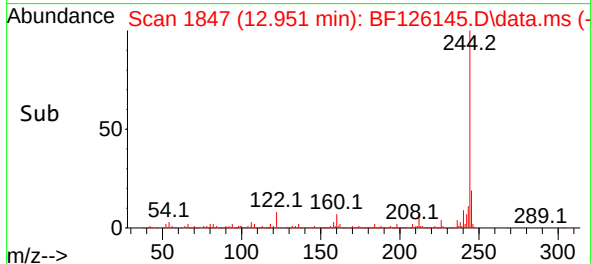
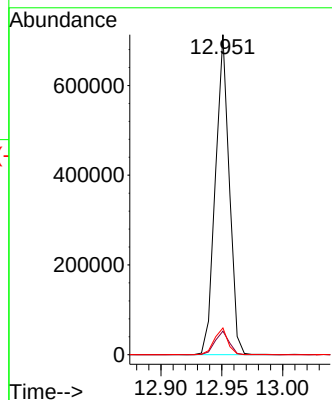
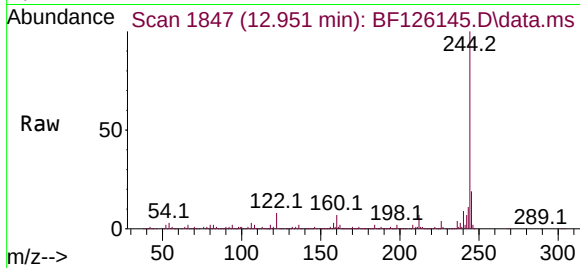




#79
 Terphenyl-d14
 Concen: 23.567 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF126145.D
 Acq: 12 Nov 2021 1:43

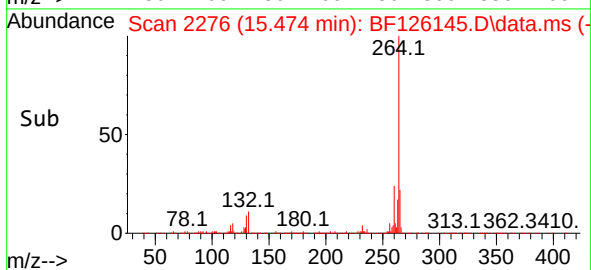
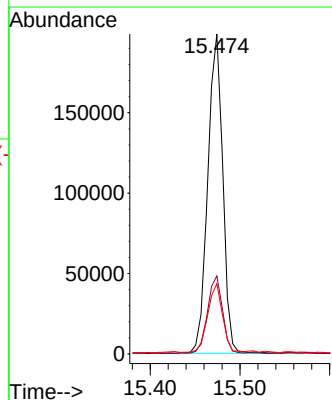
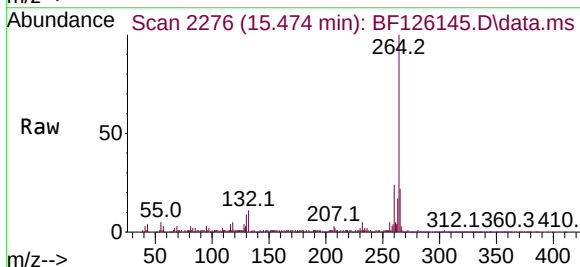
Instrument :
 BNA_F
 ClientSampleId :
 TT-6/4-5

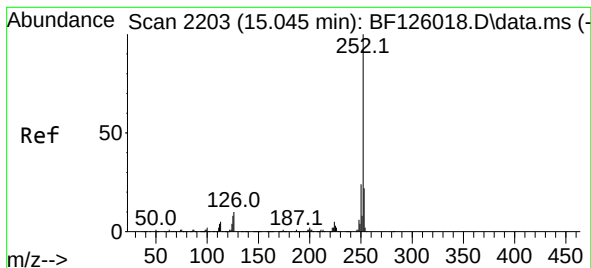
Tgt Ion:244 Resp: 566061
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 8.3 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF126145.D
 Acq: 12 Nov 2021 1:43

Tgt Ion:264 Resp: 230659
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.6 29.4
 265 22.0 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 3.808 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF126145.D

Acq: 12 Nov 2021 1:43

Instrument :

BNF

ClientSampleId :

TT-6/4-5

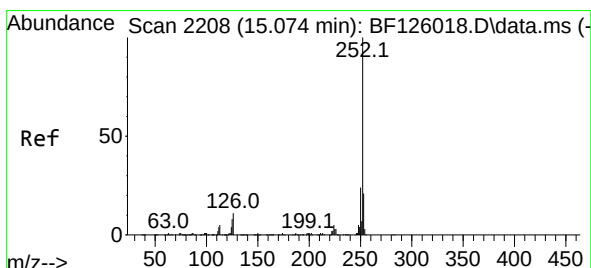
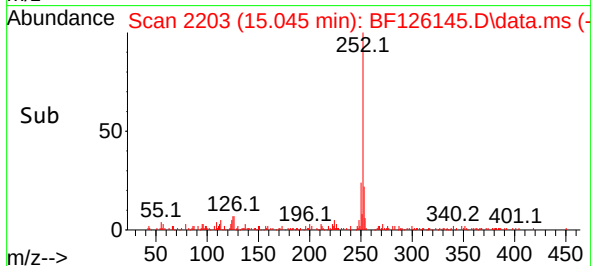
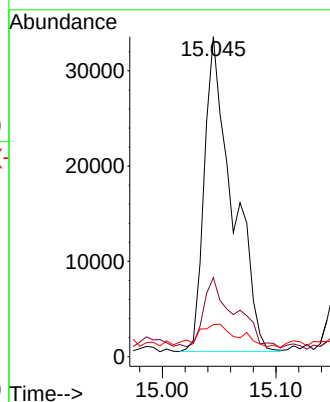
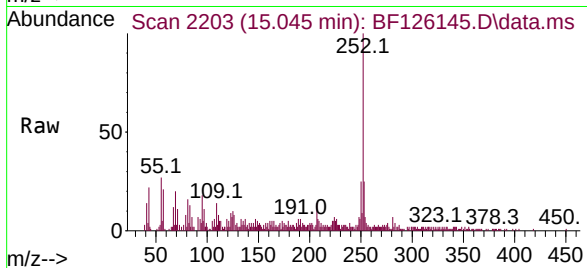
Tgt Ion:252 Resp: 57127

Ion Ratio Lower Upper

252 100

253 24.7 16.8 25.2

125 10.0 9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 3.925 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.029 min

Lab File: BF126145.D

Acq: 12 Nov 2021 1:43

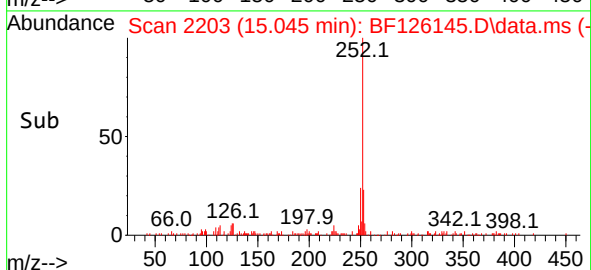
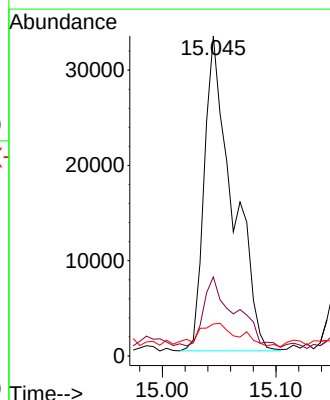
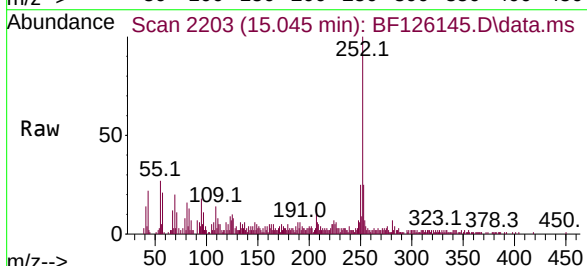
Tgt Ion:252 Resp: 57127

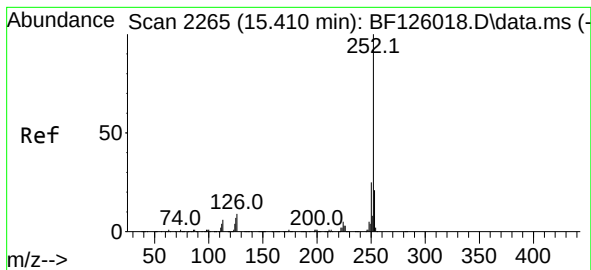
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 10.0 7.2 10.8





#90

Benzo(a)pyrene

Concen: 2.434 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.001 min

Lab File: BF126145.D

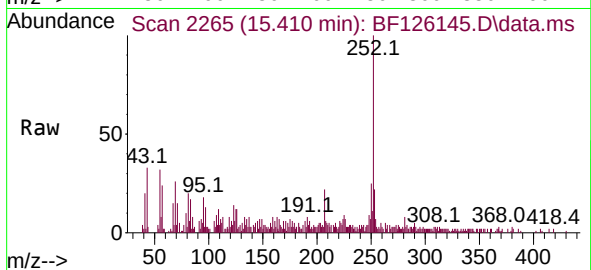
Acq: 12 Nov 2021 1:43

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:252 Resp: 28771

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 12.3 9.9 14.9

