

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126032.D
 Acq On : 3 Nov 2021 21:59
 Operator : JU/CG
 Sample : M4470-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Quant Time: Nov 04 10:12:44 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

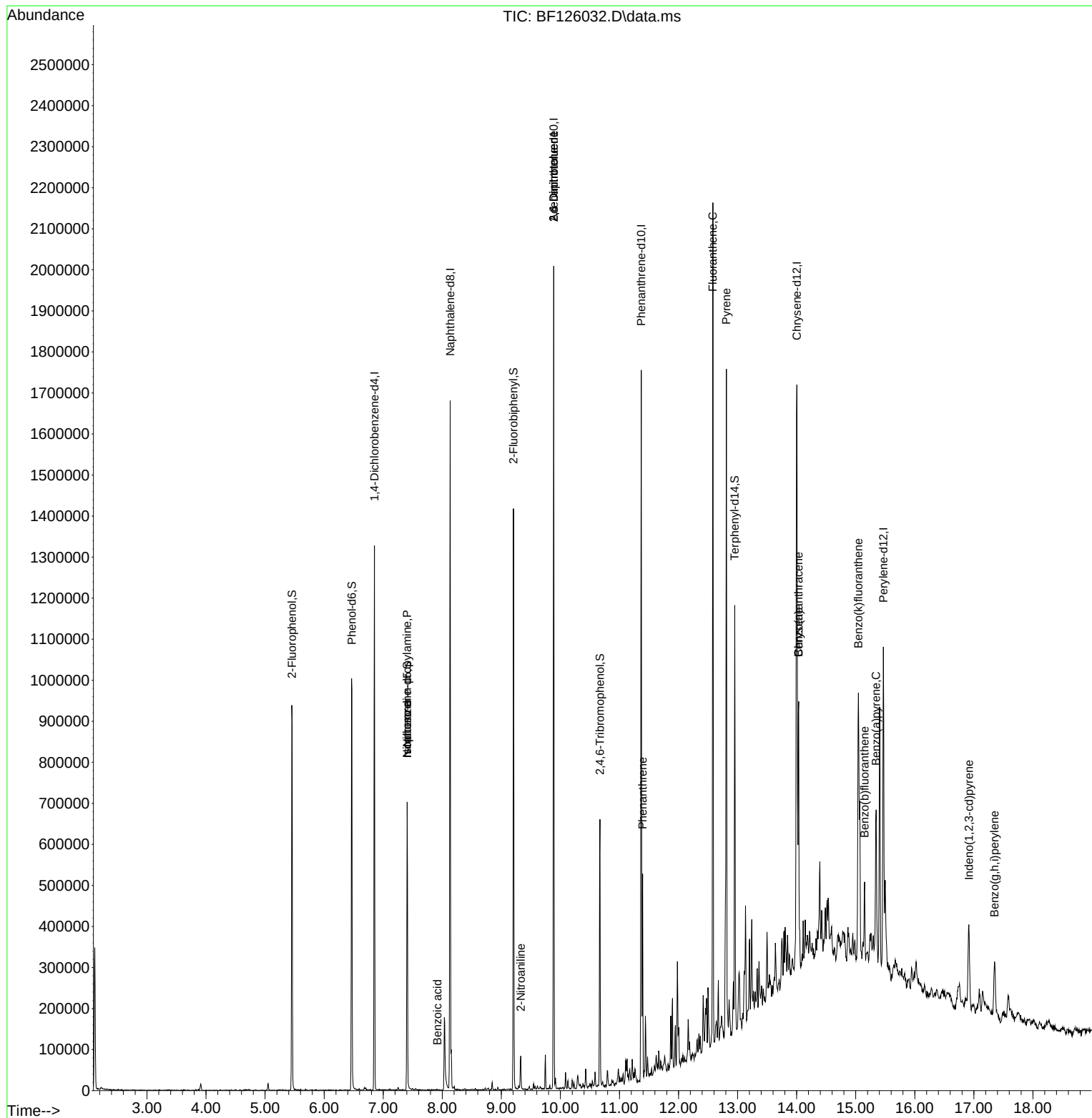
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	160020	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	598568	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	343445	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	556606	20.000	ng	0.00
76) Chrysene-d12	14.004	240	330801	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	335869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	199324	21.391	ng	0.00
7) Phenol-d6	6.469	99	266812	20.312	ng	-0.02
23) Nitrobenzene-d5	7.404	82	186882	14.724	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	59083	15.011	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	366091	14.405	ng	-0.01
79) Terphenyl-d14	12.951	244	277914	13.547	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.393	77	234	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.404	70	27640	3.192	ng	# 66
25) Isophorone	7.404	82	186509	8.162	ng	# 59
32) Benzoic acid	7.916	122	146	9.165	ng	# 1
48) 2-Nitroaniline	9.328	65	821	2.962	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	44483	10.379	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	44483	9.895	ng	# 20
71) Phenanthrene	11.392	178	161738	5.358	ng	97
75) Fluoranthene	12.580	202	708009	21.063	ng	95
78) Pyrene	12.810	202	608030	22.920	ng	97
81) Benzo(a)anthracene	14.033	228	266418	11.723	ng	93
83) Chrysene	14.033	228	266418	12.599	ng	95
87) Indeno(1,2,3-cd)pyrene	16.915	276	137897	6.936	ng	# 83
88) Benzo(b)fluoranthene	15.151	252	82643	3.783	ng	95
89) Benzo(k)fluoranthene	15.045	252	512537	24.185	ng	99
90) Benzo(a)pyrene	15.345	252	166828	9.693	ng	98
92) Benzo(g,h,i)perylene	17.351	276	108176	6.908	ng	# 81

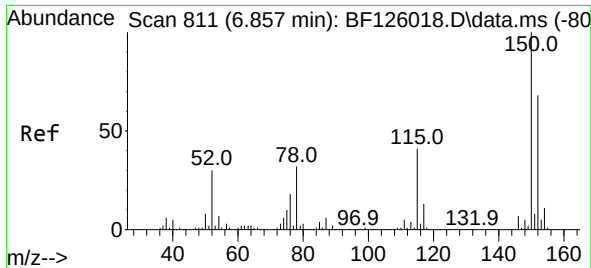
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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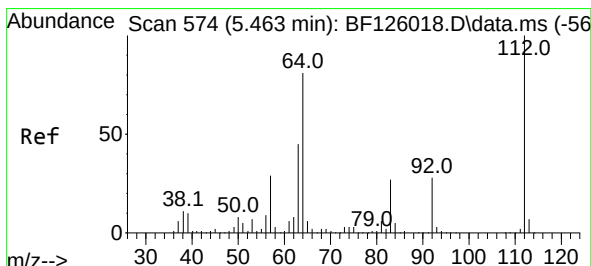
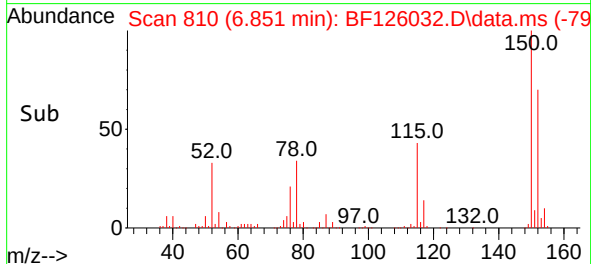
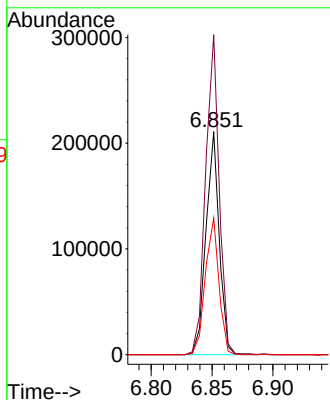
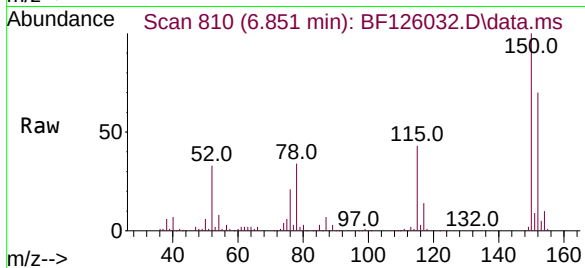




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

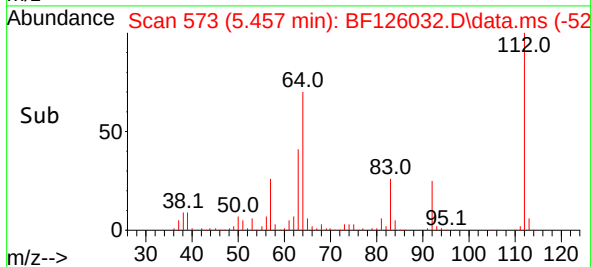
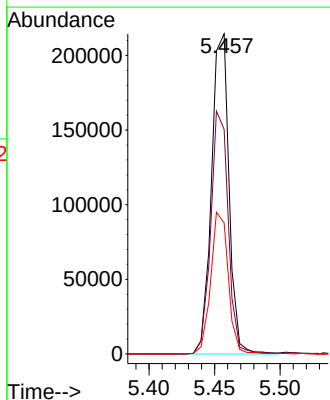
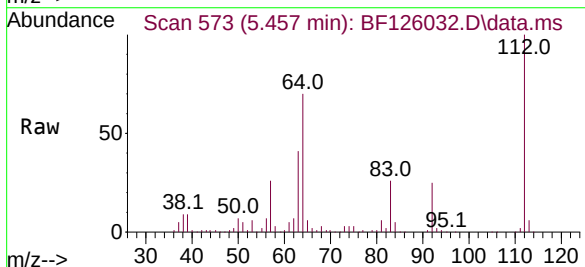
Instrument :
BNA_F
ClientSampleId :
SP-3

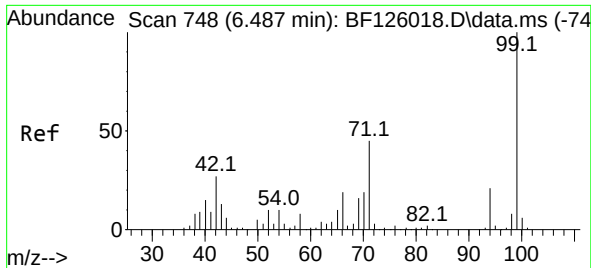
Tgt Ion:152 Resp: 160020
Ion Ratio Lower Upper
152 100
150 143.4 117.6 176.4
115 61.3 47.1 70.7



#5
2-Fluorophenol
Concen: 21.391 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:112 Resp: 199324
Ion Ratio Lower Upper
112 100
64 70.2 44.2 66.2#
63 41.0 26.2 39.2#

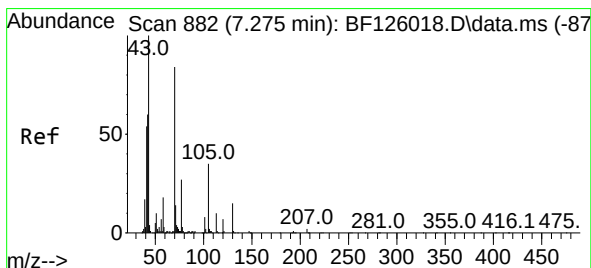
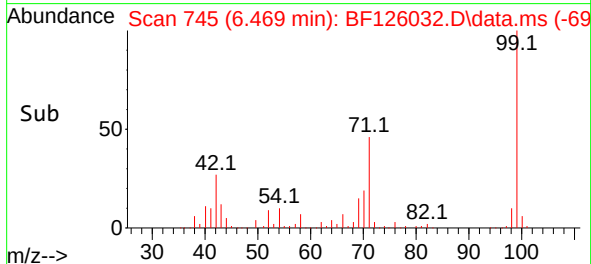
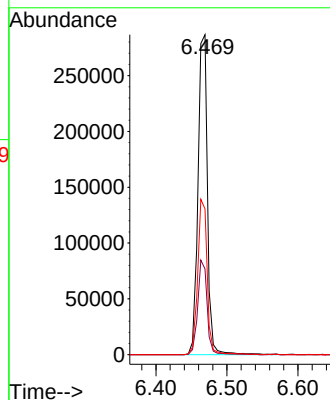
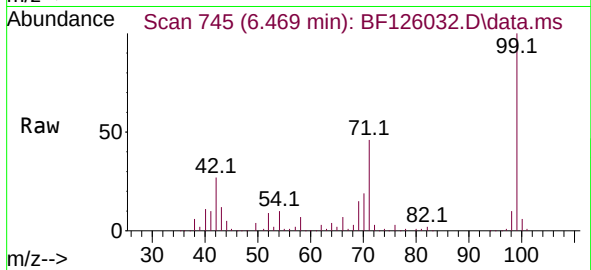




#7
Phenol-d6
Concen: 20.312 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

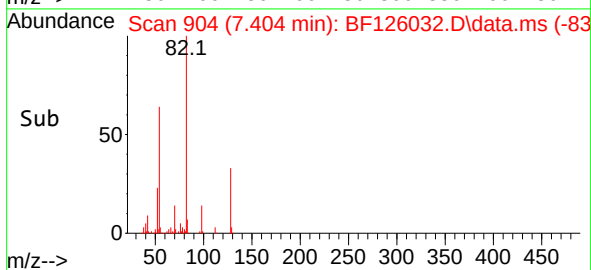
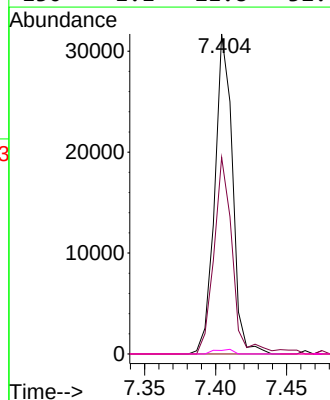
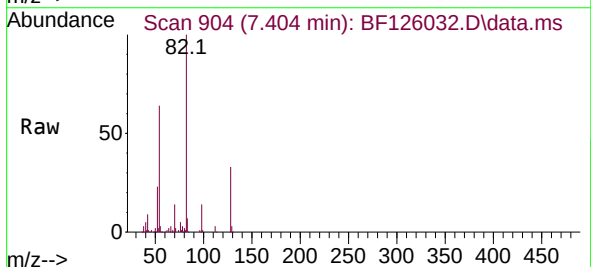
Instrument :
BNA_F
ClientSampleId :
SP-3

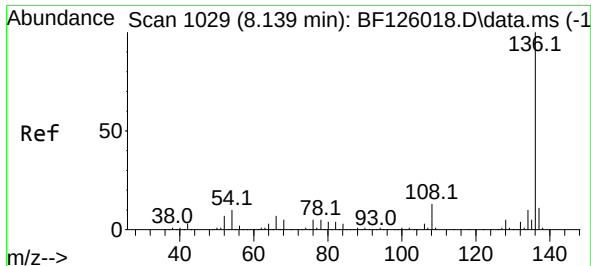
Tgt Ion: 99 Resp: 266812
Ion Ratio Lower Upper
99 100
42 26.8 23.5 35.3
71 45.5 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 3.192 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion: 70 Resp: 27640
Ion Ratio Lower Upper
70 100
42 61.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.1 21.8 32.6#

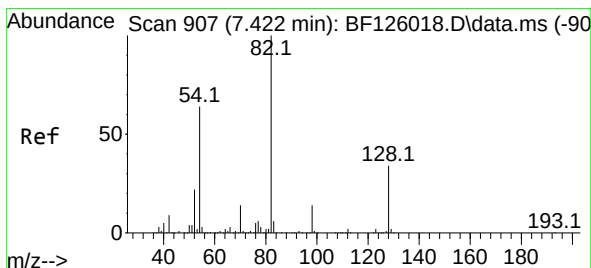
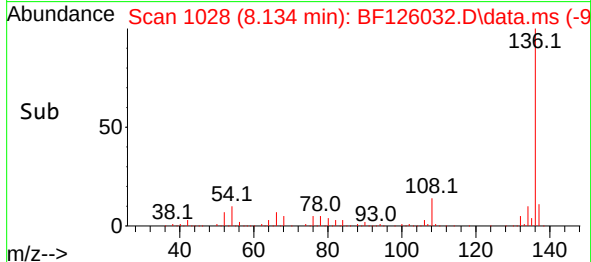
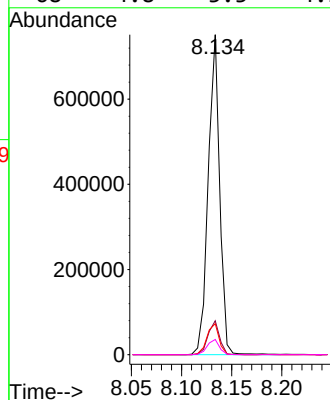
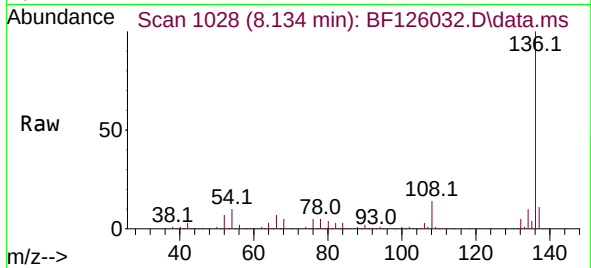




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

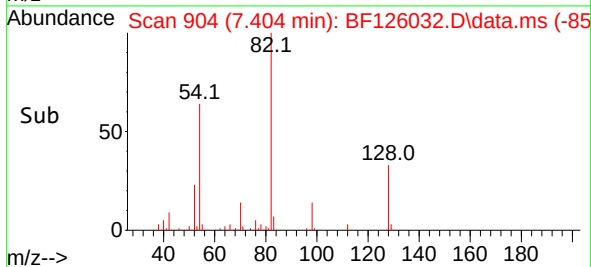
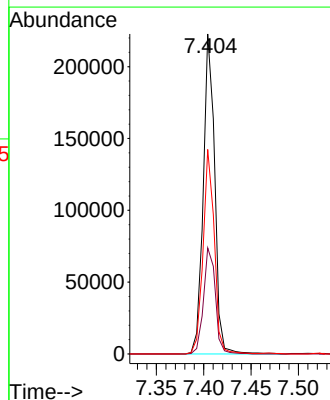
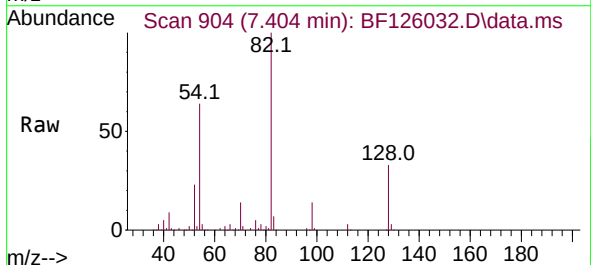
Instrument :
BNA_F
ClientSampleId :
SP-3

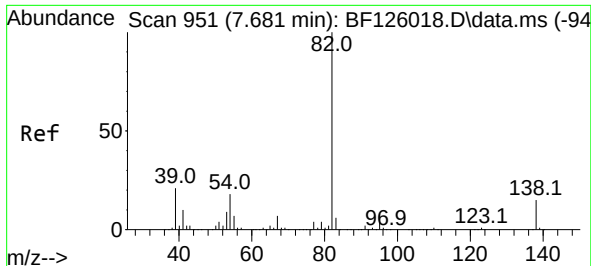
Tgt Ion:136 Resp: 598568
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.7 6.4 9.6#
68 4.8 3.3 4.9



#23
Nitrobenzene-d5
Concen: 14.724 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion: 82 Resp: 186882
Ion Ratio Lower Upper
82 100
128 33.2 40.6 60.8#
54 63.9 49.6 74.4

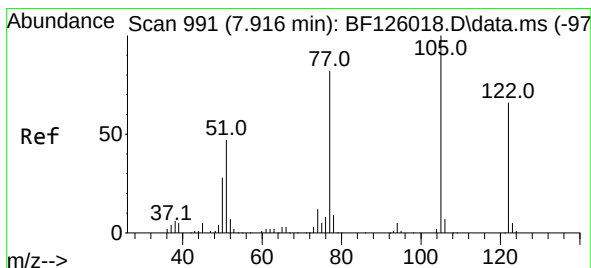
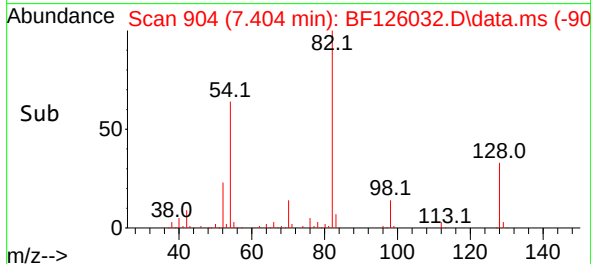
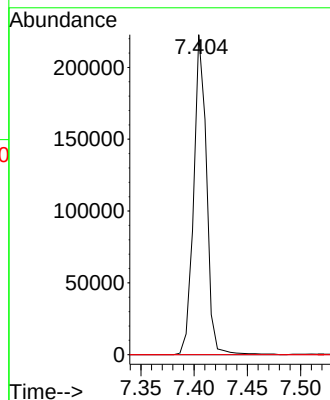
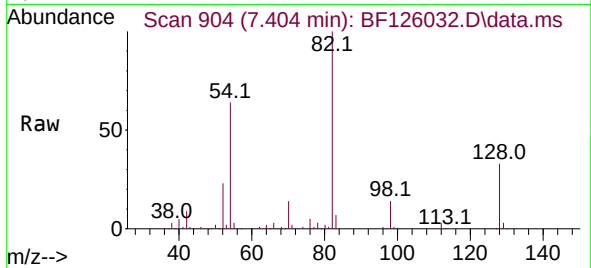




#25
Isophorone
Concen: 8.162 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.277 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

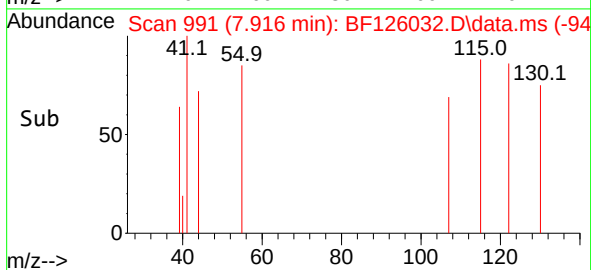
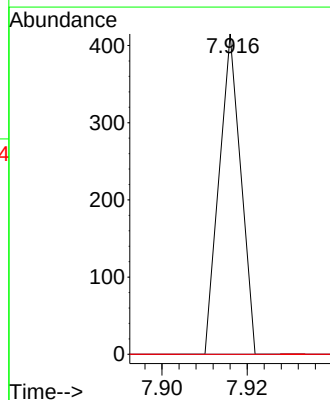
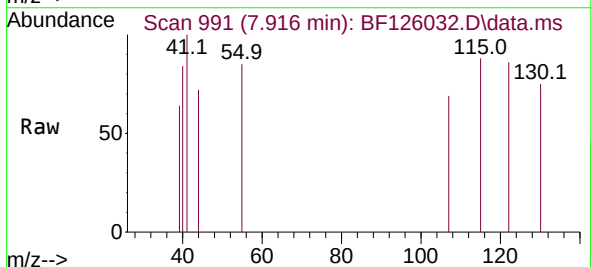
Instrument :
BNA_F
ClientSampleId :
SP-3

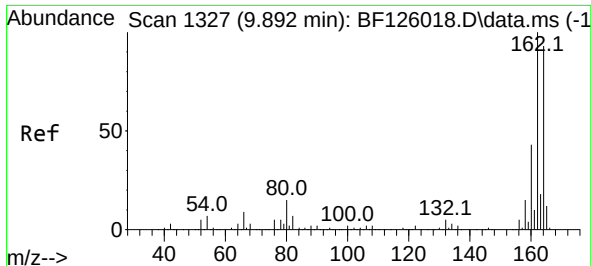
Tgt Ion: 82 Resp: 186509
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.165 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:122 Resp: 146
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 0.0 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

SP-3

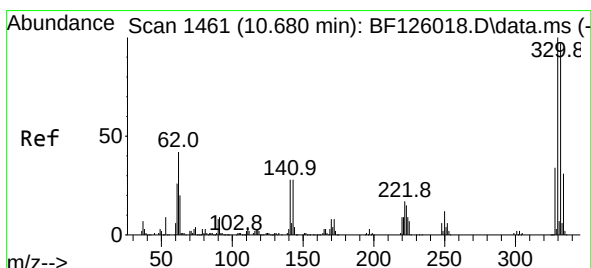
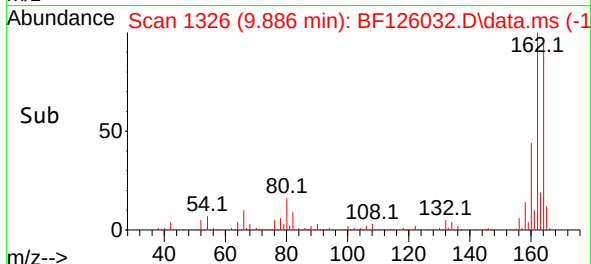
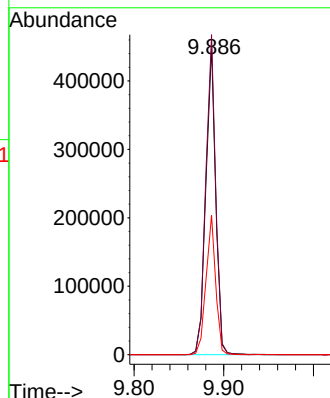
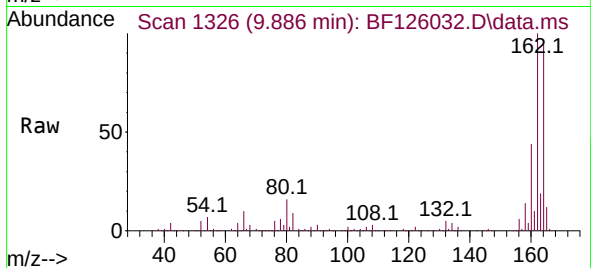
Tgt Ion:164 Resp: 343445

Ion Ratio Lower Upper

164 100

162 103.7 81.3 121.9

160 45.2 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 15.011 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

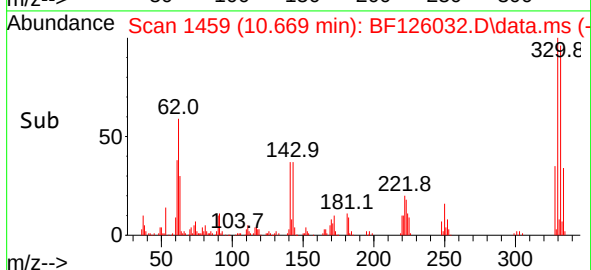
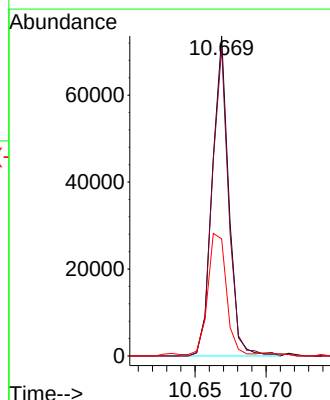
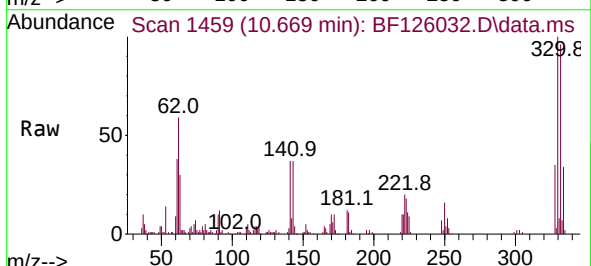
Tgt Ion:330 Resp: 59083

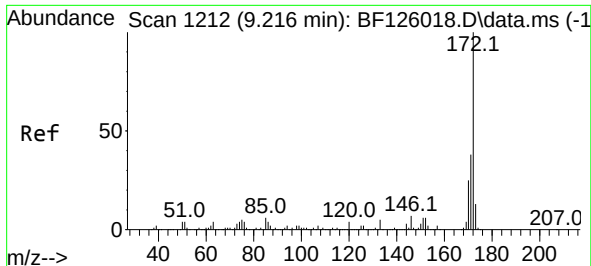
Ion Ratio Lower Upper

330 100

332 97.1 76.2 114.4

141 45.1 44.6 66.8





#45

2-Fluorobiphenyl

Concen: 14.405 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

SP-3

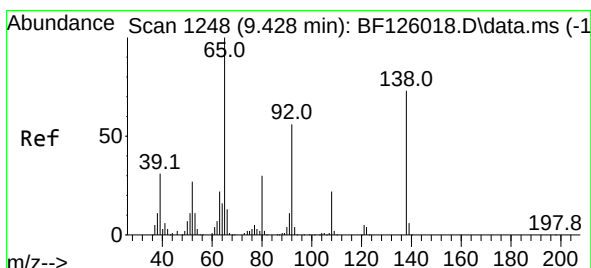
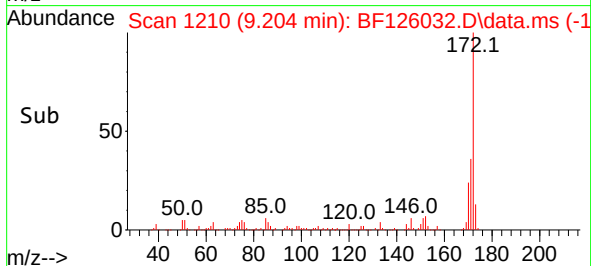
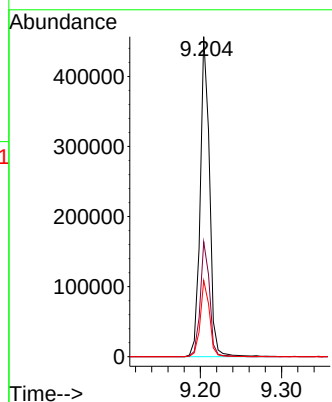
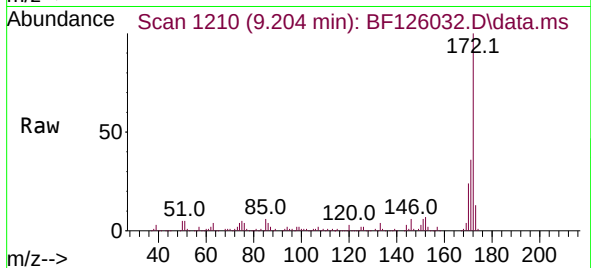
Tgt Ion:172 Resp: 366091

Ion Ratio Lower Upper

172 100

171 35.9 26.5 39.7

170 23.8 18.8 28.2



#48

2-Nitroaniline

Concen: 2.962 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.100 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

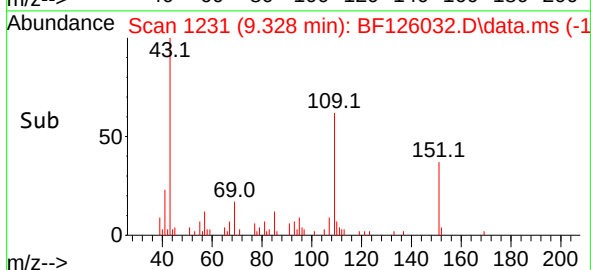
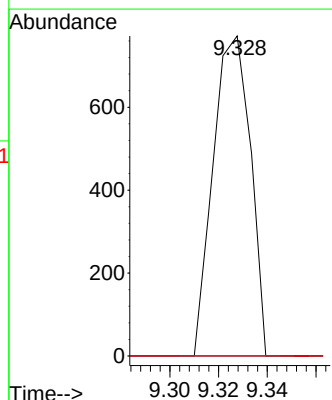
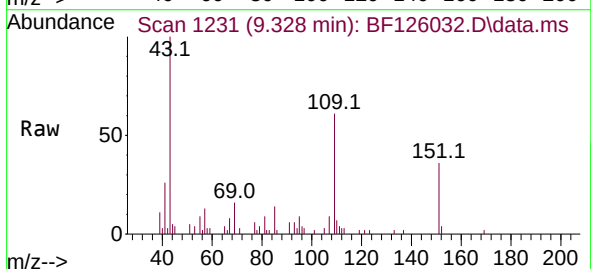
Tgt Ion: 65 Resp: 821

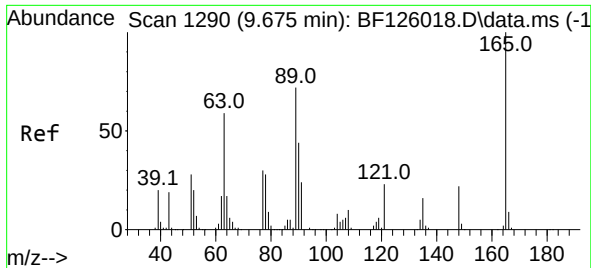
Ion Ratio Lower Upper

65 100

92 0.0 55.5 83.3#

138 0.0 93.5 140.3#

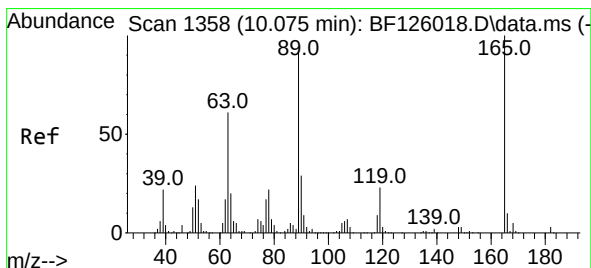
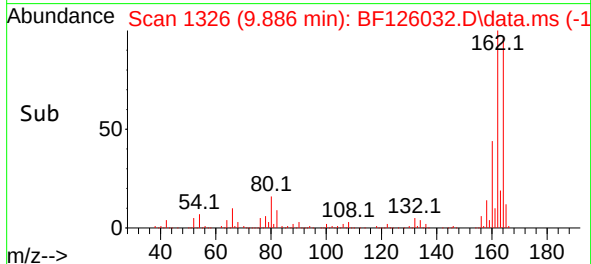
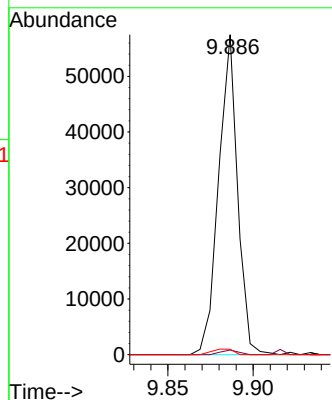
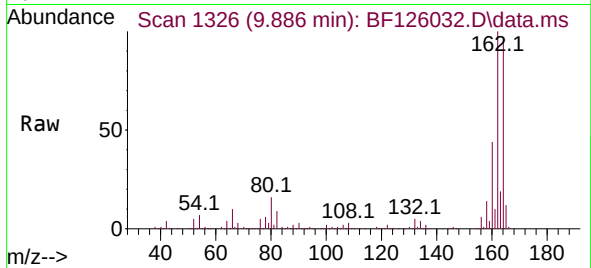




#51
2,6-Dinitrotoluene
Concen: 10.379 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

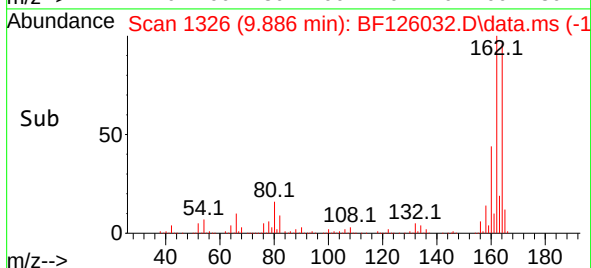
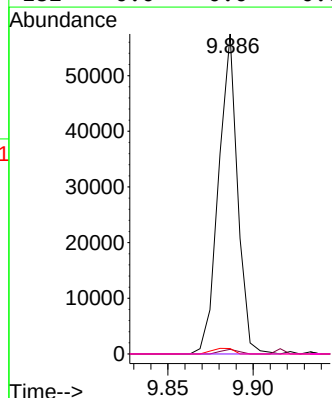
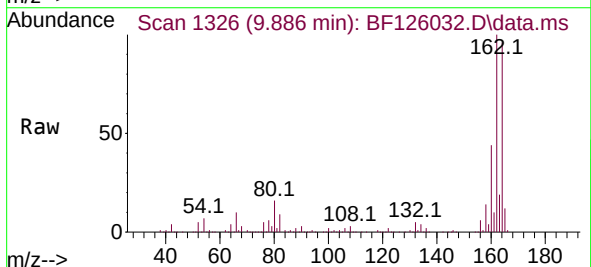
Instrument :
BNA_F
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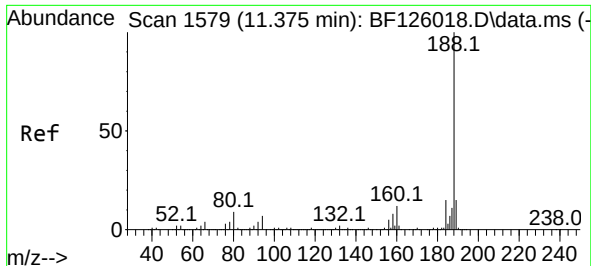
Tgt Ion:165 Resp: 44483
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.7 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.895 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:165 Resp: 44483
Ion Ratio Lower Upper
165 100
63 1.5 40.9 61.3#
89 1.7 59.7 89.5#
182 0.0 0.0 0.0

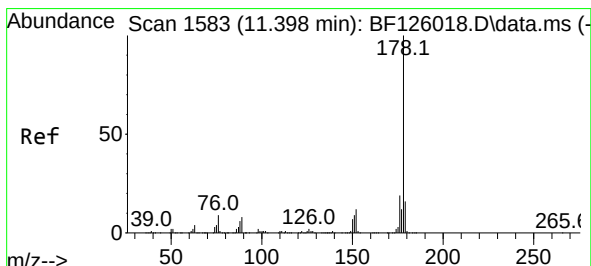
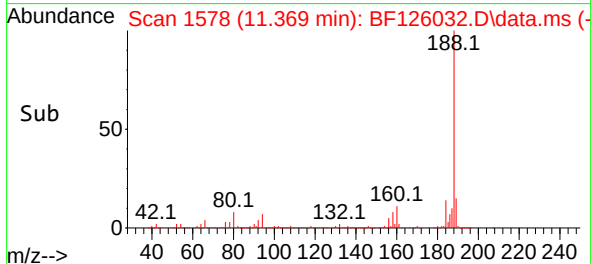
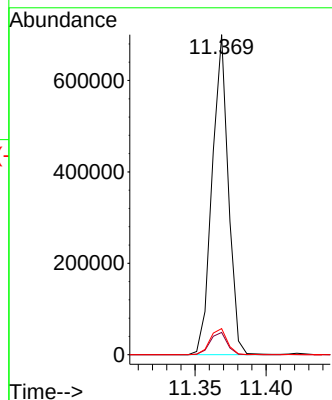
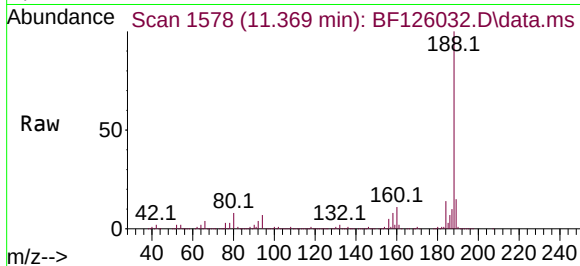




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

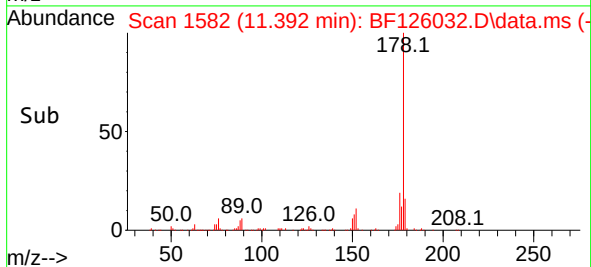
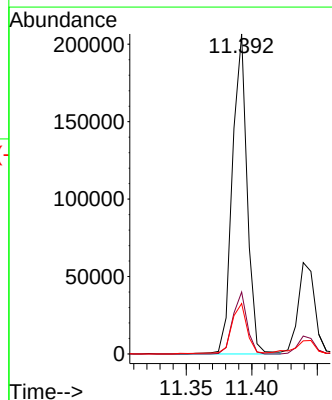
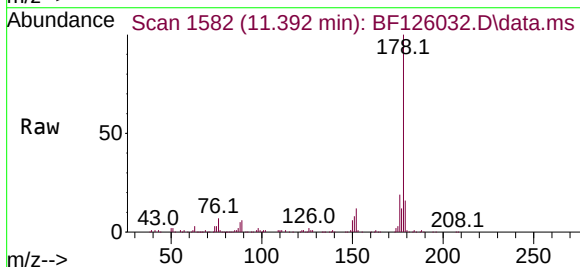
Instrument :
BNA_F
ClientSampleId :
SP-3

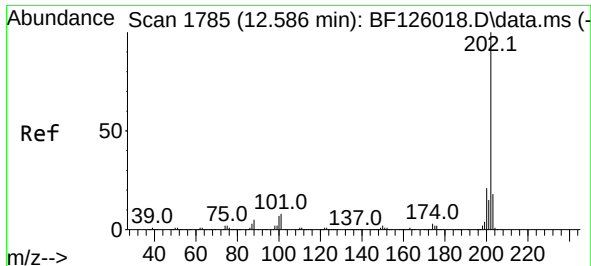
Tgt Ion:188 Resp: 556606
Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 8.2 7.5 11.3



#71
Phenanthrene
Concen: 5.358 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:178 Resp: 161738
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.7 11.5 17.3

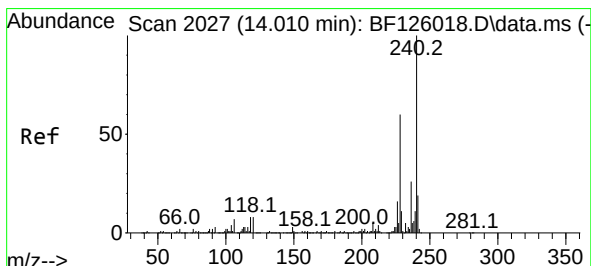
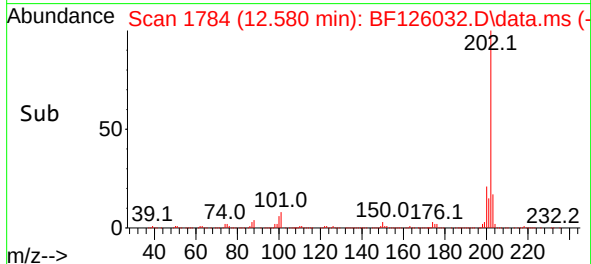
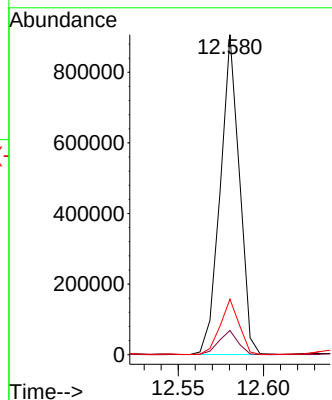
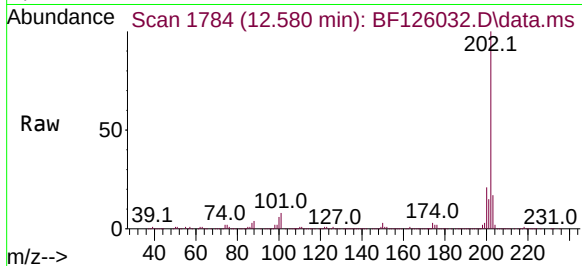




#75
Fluoranthene
Concen: 21.063 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

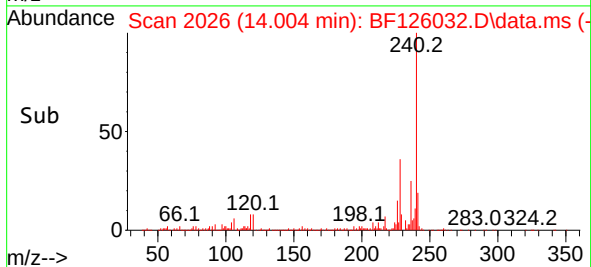
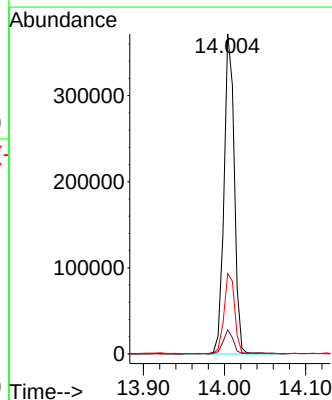
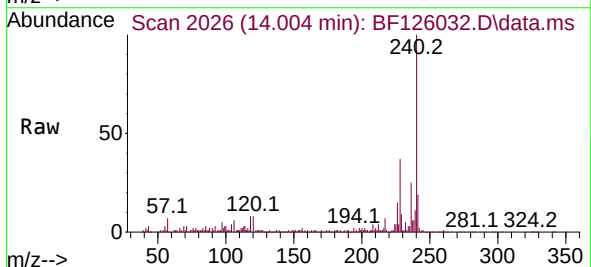
Instrument :
BNA_F
ClientSampleId :
SP-3

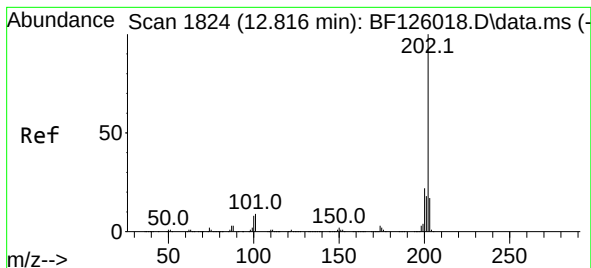
Tgt Ion:202 Resp: 708009
Ion Ratio Lower Upper
202 100
101 7.6 0.0 30.7
203 17.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:240 Resp: 330801
Ion Ratio Lower Upper
240 100
120 7.5 10.8 16.2#
236 25.1 21.6 32.4





#78

Pyrene

Concen: 22.920 ng

RT: 12.810 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

SP-3

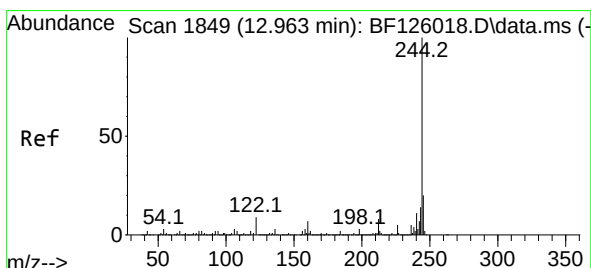
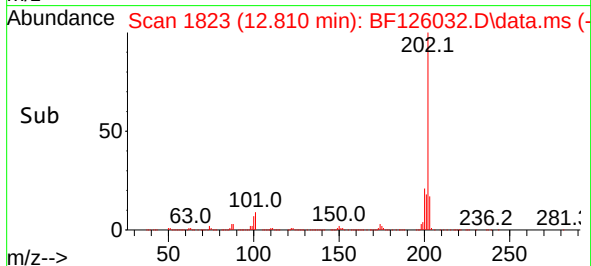
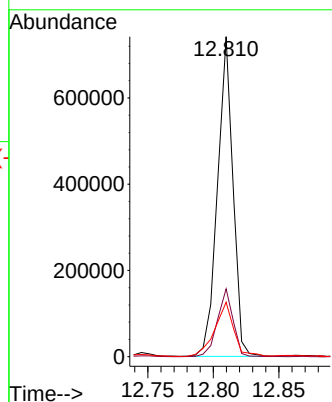
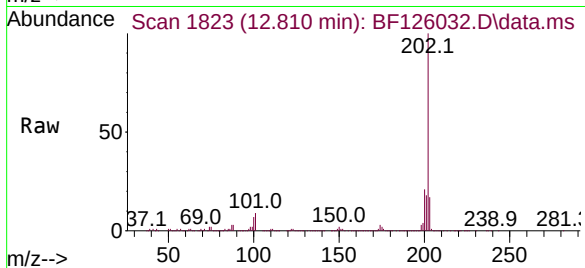
Tgt Ion:202 Resp: 608030

Ion Ratio Lower Upper

202 100

200 21.2 15.3 22.9

203 17.0 13.4 20.0



#79

Terphenyl-d14

Concen: 13.547 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

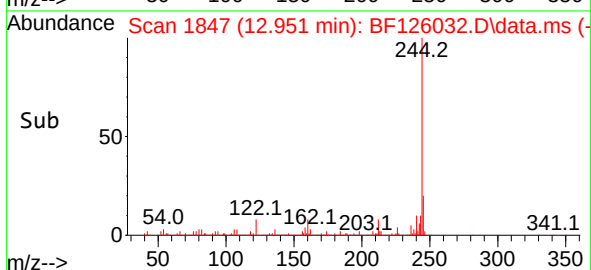
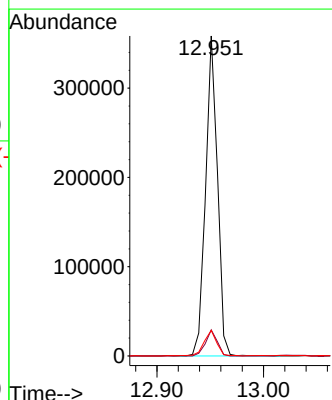
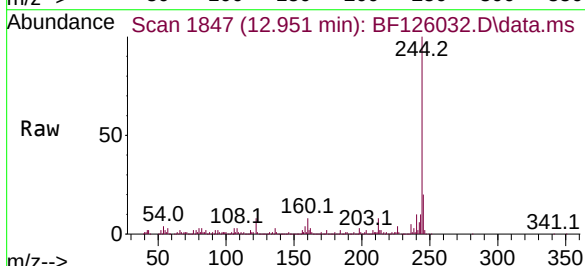
Tgt Ion:244 Resp: 277914

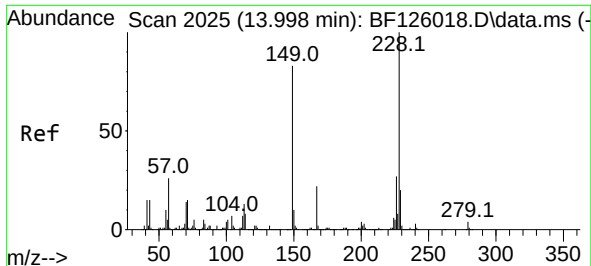
Ion Ratio Lower Upper

244 100

212 8.2 5.9 8.9

122 8.0 9.0 13.4#

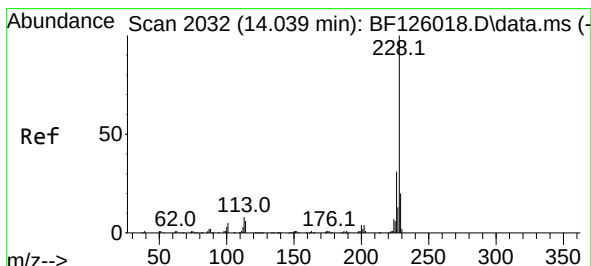
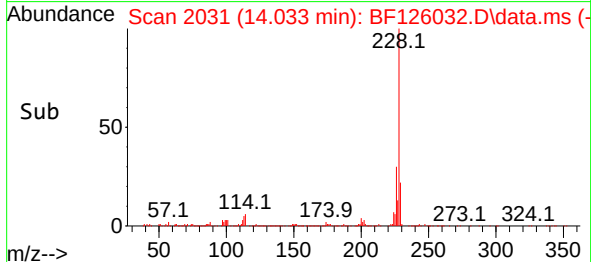
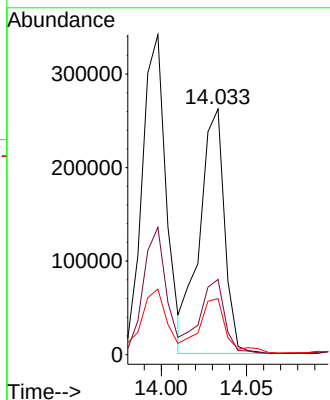
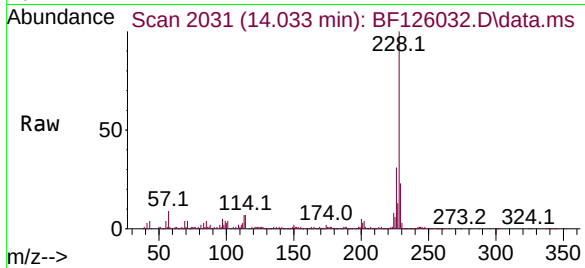




#81
Benzo(a)anthracene
Concen: 11.723 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.035 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

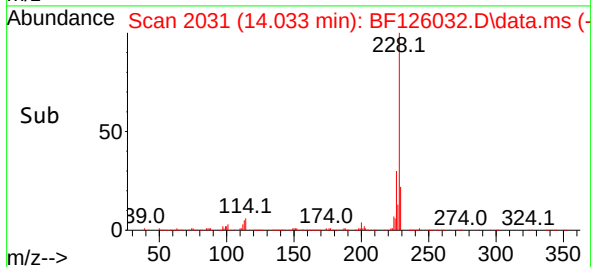
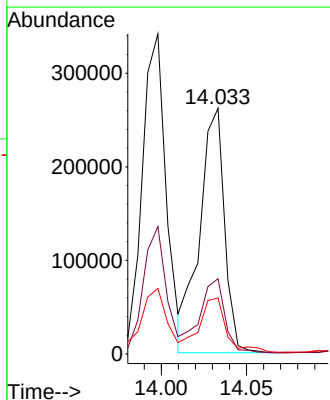
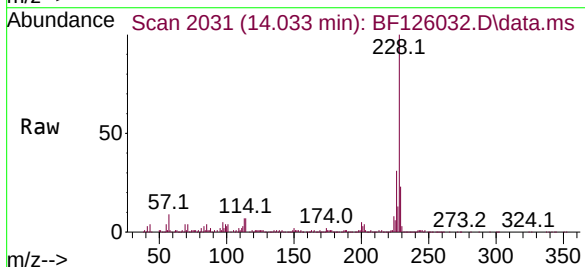
Instrument :
BNA_F
ClientSampleId :
SP-3

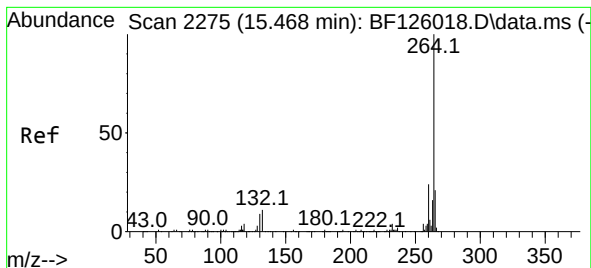
Tgt Ion:228 Resp: 266418
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 22.8 15.6 23.4



#83
Chrysene
Concen: 12.599 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:228 Resp: 266418
Ion Ratio Lower Upper
228 100
226 30.6 22.6 34.0
229 22.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

SP-3

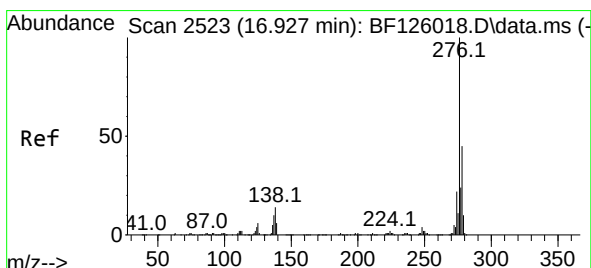
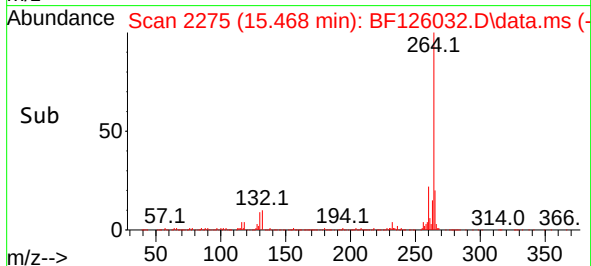
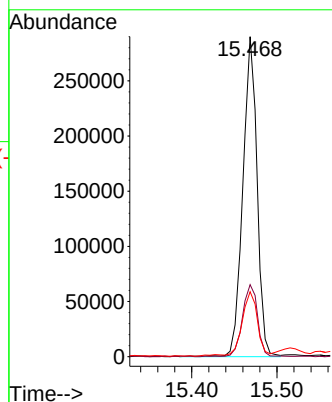
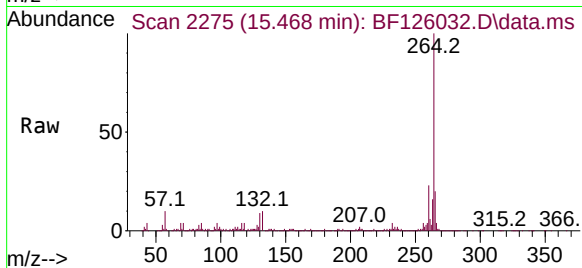
Tgt Ion:264 Resp: 335869

Ion Ratio Lower Upper

264 100

260 22.5 19.6 29.4

265 20.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.936 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF126032.D

Acq: 3 Nov 2021 21:59

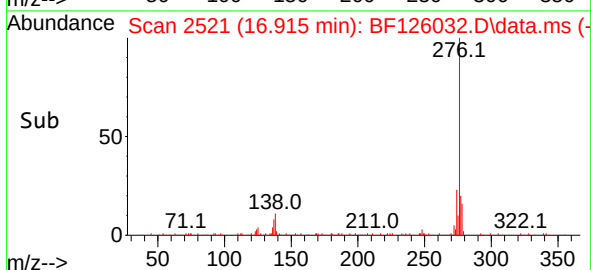
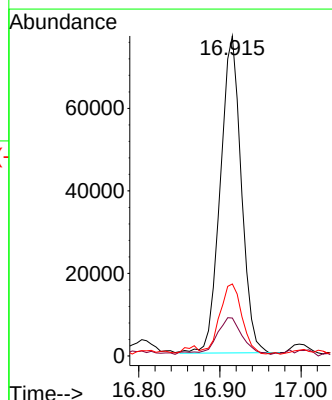
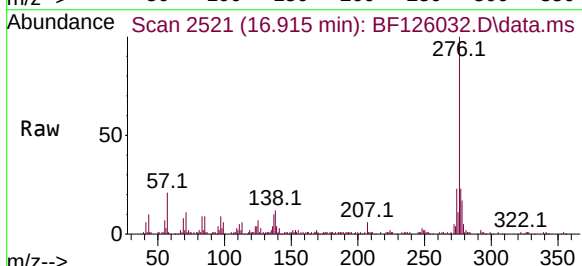
Tgt Ion:276 Resp: 137897

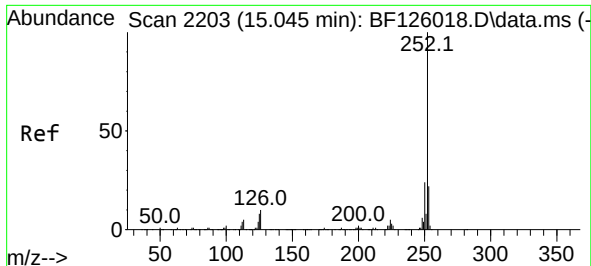
Ion Ratio Lower Upper

276 100

138 13.4 24.1 36.1#

277 23.4 18.8 28.2

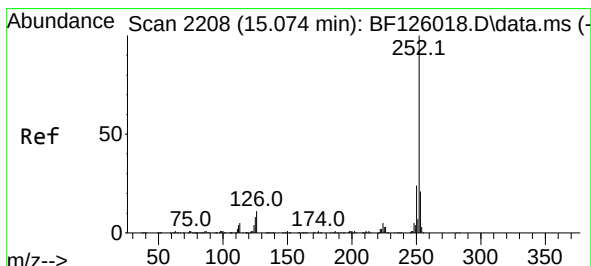
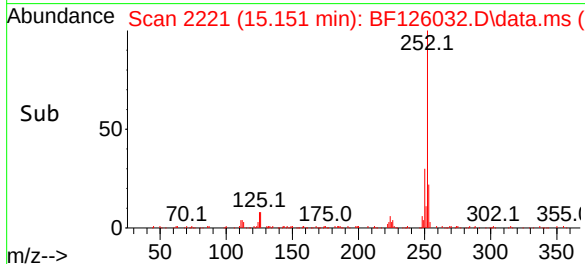
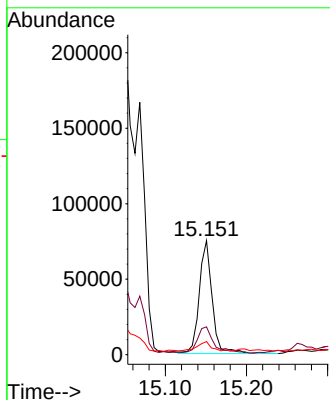
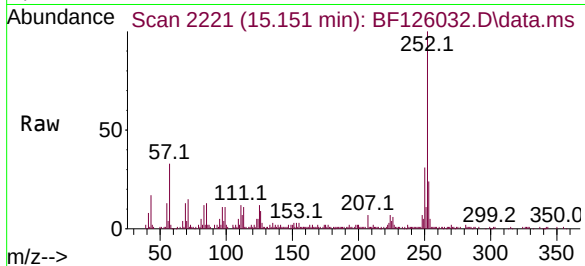




#88
Benzo(b)fluoranthene
Concen: 3.783 ng
RT: 15.151 min Scan# 21
Delta R.T. 0.106 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

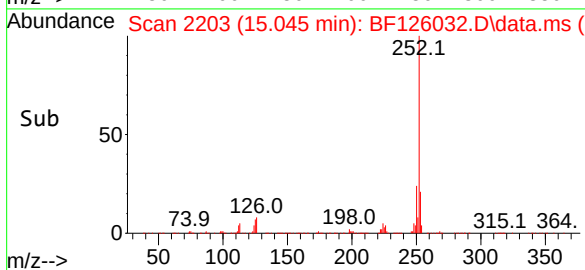
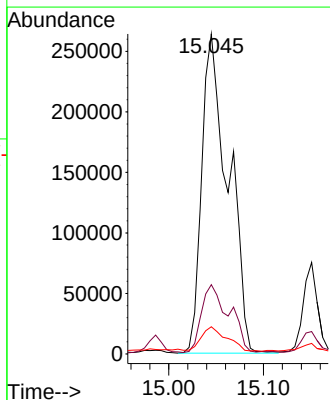
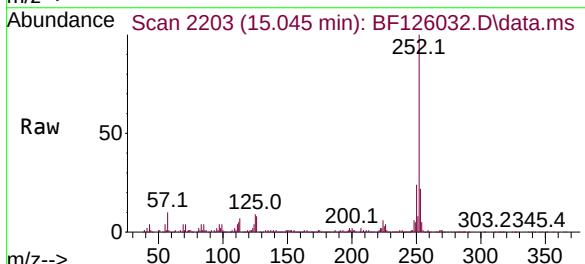
Instrument :
BNA_F
ClientSampleId :
SP-3

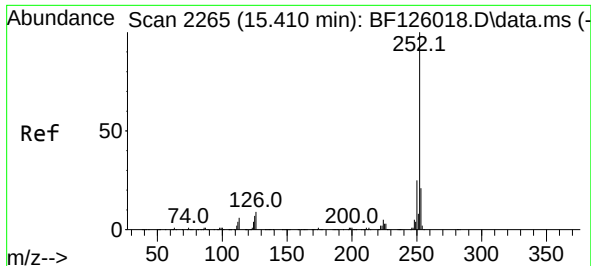
Tgt Ion:252 Resp: 82643
Ion Ratio Lower Upper
252 100
253 24.4 16.8 25.2
125 11.6 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 24.185 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.029 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:252 Resp: 512537
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 8.5 7.2 10.8

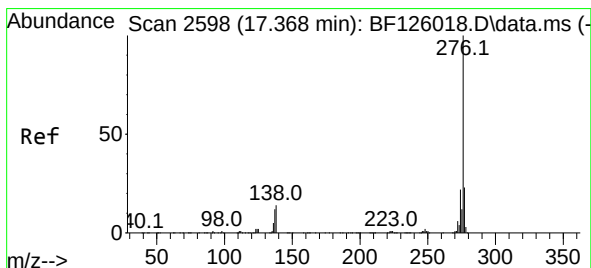
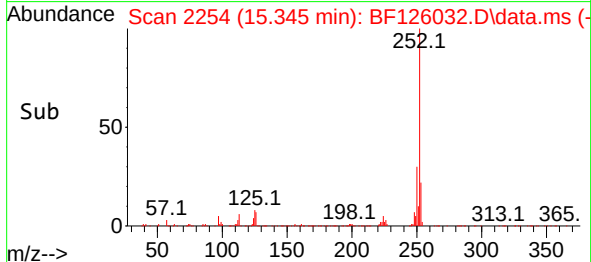
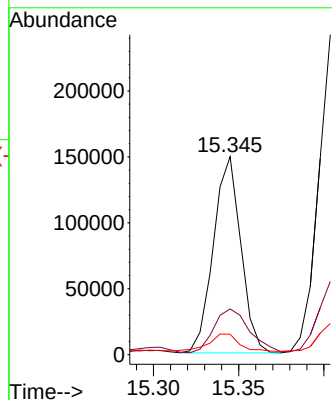
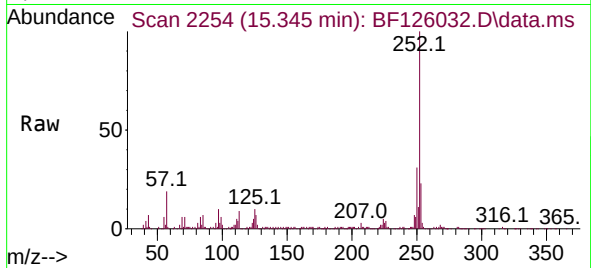




#90
Benzo(a)pyrene
Concen: 9.693 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.065 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:252 Resp: 166828
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 10.3 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 6.908 ng
RT: 17.351 min Scan# 2595
Delta R.T. -0.017 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Tgt Ion:276 Resp: 108176
Ion Ratio Lower Upper
276 100
277 22.1 22.0 33.0
138 12.9 22.2 33.4#

