

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126055.D
 Acq On : 4 Nov 2021 20:11
 Operator : JU/CG
 Sample : M4501-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Quant Time: Nov 08 09:52:01 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)

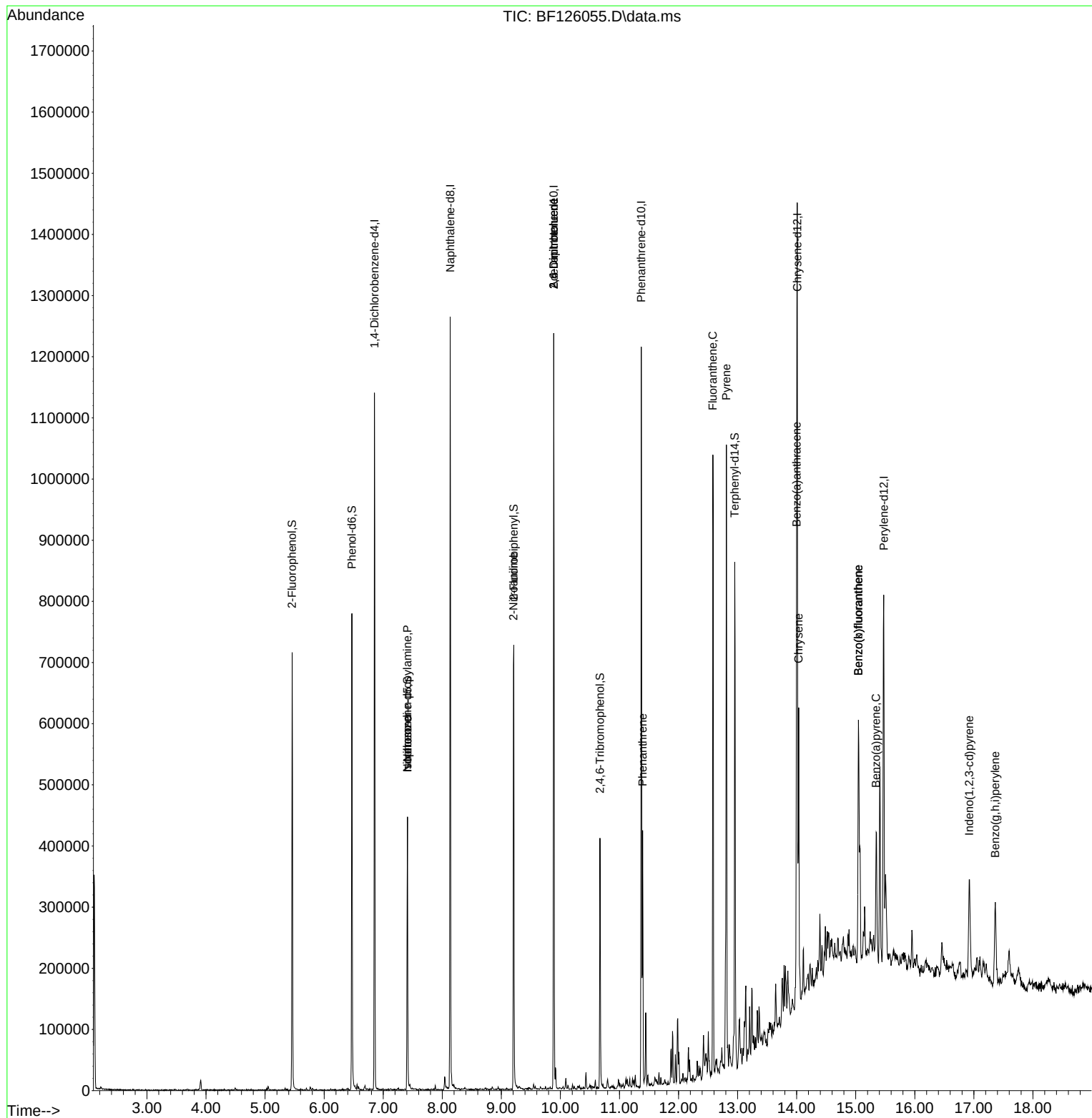
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	147405	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	467704	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	230579	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	399230	20.000	ng	0.00
76) Chrysene-d12	14.010	240	379378	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	279727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	141511	16.486	ng	0.00
7) Phenol-d6	6.469	99	178922	14.787	ng	-0.02
23) Nitrobenzene-d5	7.410	82	121968	12.298	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	40463	15.313	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	226547	13.277	ng	0.00
79) Terphenyl-d14	12.951	244	245580	10.438	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	304	Below Cal	#	31
19) n-Nitroso-di-n-propyla...	7.410	70	17513	2.195	ng	# 67
25) Isophorone	7.410	82	121966	6.831	ng	# 59
48) 2-Nitroaniline	9.204	65	504	2.953	ng	# 25
51) 2,6-Dinitrotoluene	9.886	165	28911	10.048	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	28911	9.680	ng	# 20
71) Phenanthrene	11.392	178	133885	6.184	ng	97
75) Fluoranthene	12.580	202	398595	16.533	ng	95
78) Pyrene	12.810	202	391861	12.880	ng	97
81) Benzo(a)anthracene	13.998	228	210538	8.078	ng	97
83) Chrysene	14.033	228	168171	6.935	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	107381	6.486	ng	# 83
88) Benzo(b)fluoranthene	15.045	252	288203	15.840	ng	# 93
89) Benzo(k)fluoranthene	15.045	252	288203	16.329	ng	98
90) Benzo(a)pyrene	15.345	252	100750	7.028	ng	98
92) Benzo(g,h,i)perylene	17.362	276	113651	8.714	ng	# 83

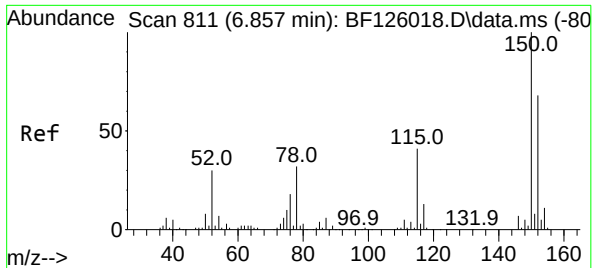
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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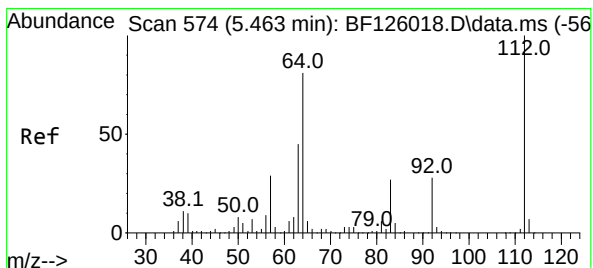
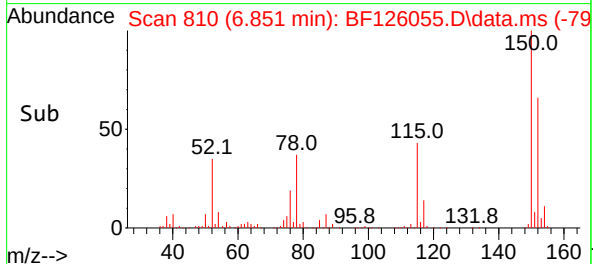
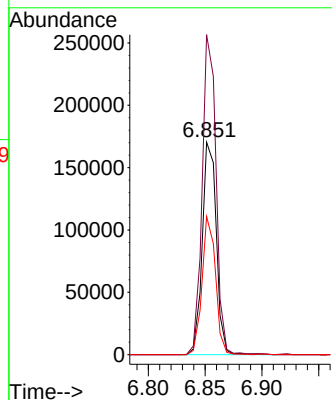
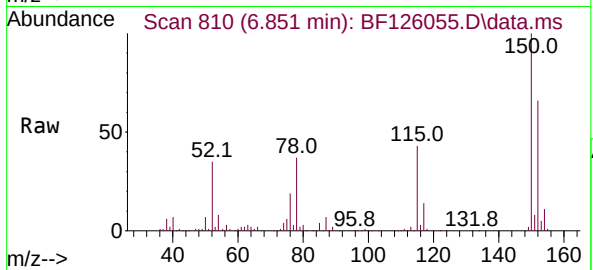




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

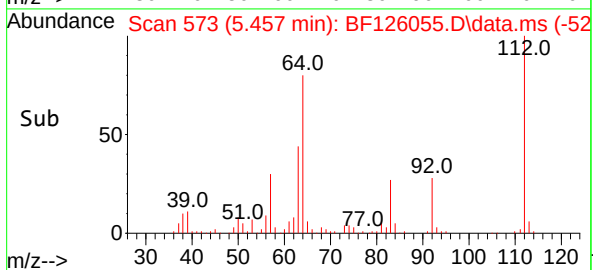
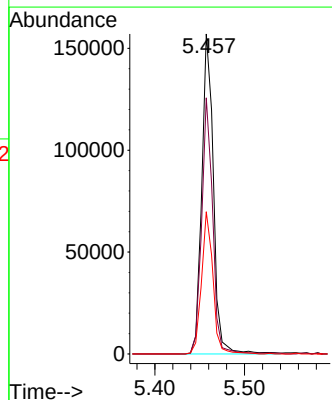
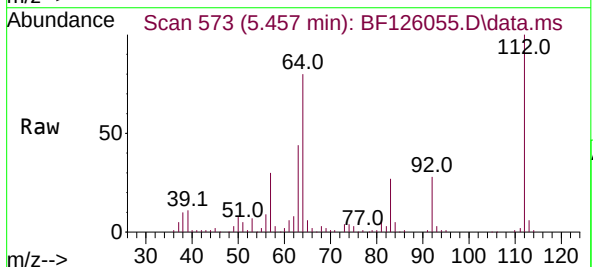
Instrument :
BNA_F
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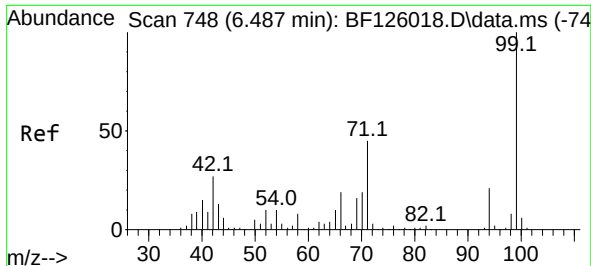
Tgt Ion:152 Resp: 147405
Ion Ratio Lower Upper
152 100
150 150.6 117.6 176.4
115 65.1 47.1 70.7



#5
2-Fluorophenol
Concen: 16.486 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:112 Resp: 141511
Ion Ratio Lower Upper
112 100
64 80.0 44.2 66.2#
63 44.5 26.2 39.2#

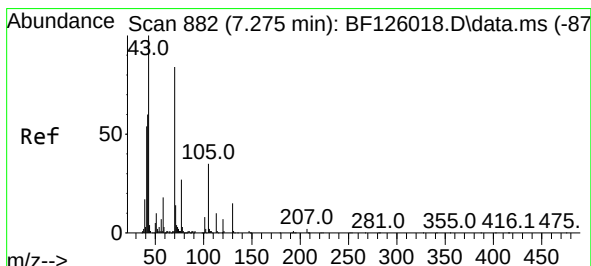
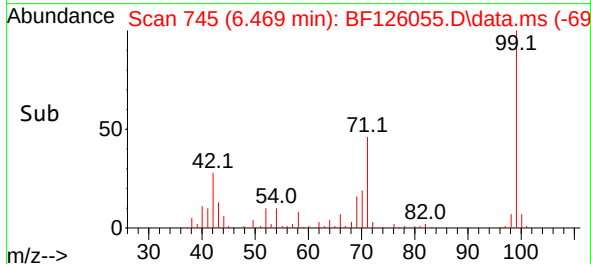
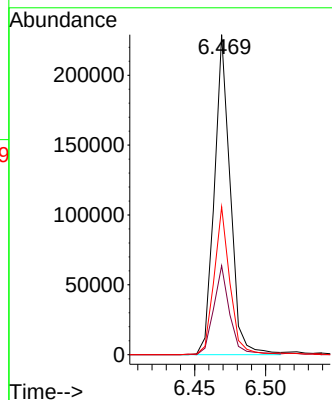
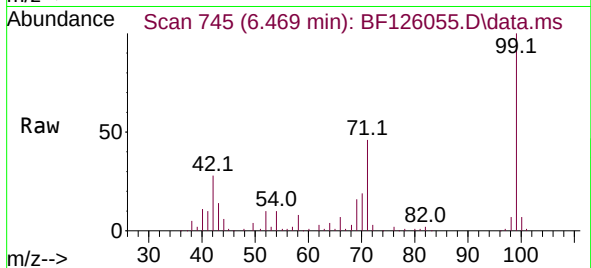




#7
Phenol-d6
Concen: 14.787 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

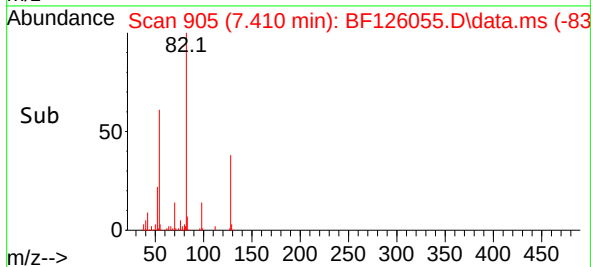
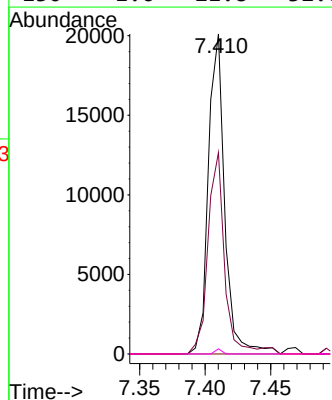
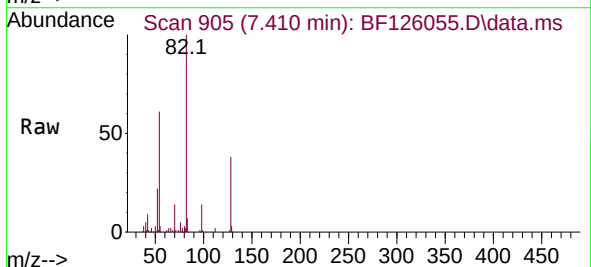
Instrument :
BNA_F
ClientSampleId :
72-11929

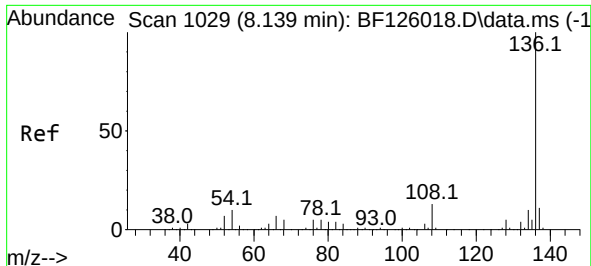
Tgt Ion: 99 Resp: 178922
Ion Ratio Lower Upper
99 100
42 27.8 23.5 35.3
71 46.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 2.195 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion: 70 Resp: 17513
Ion Ratio Lower Upper
70 100
42 63.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#

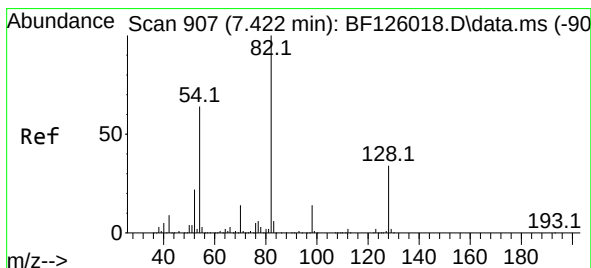
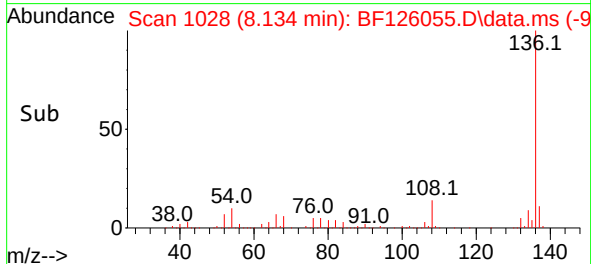
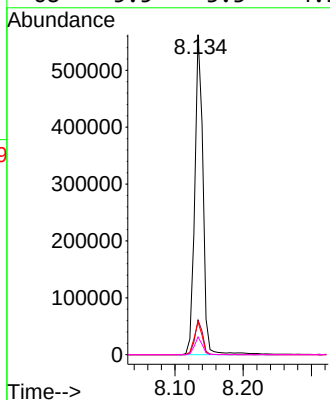
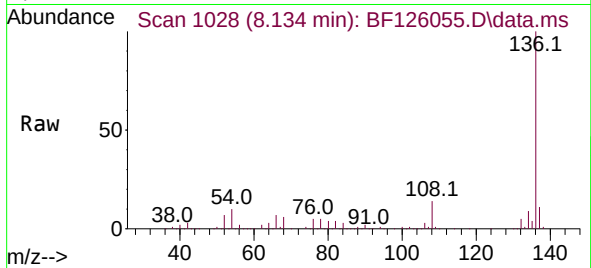




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

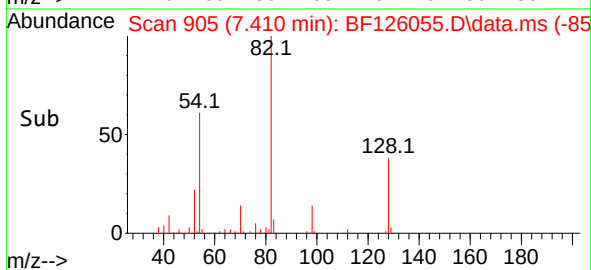
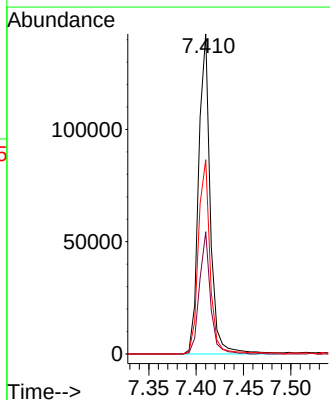
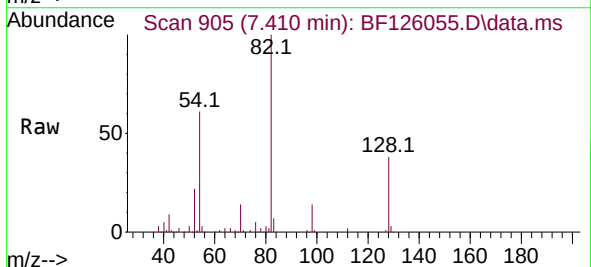
Instrument :
BNA_F
ClientSampleId :
72-11929

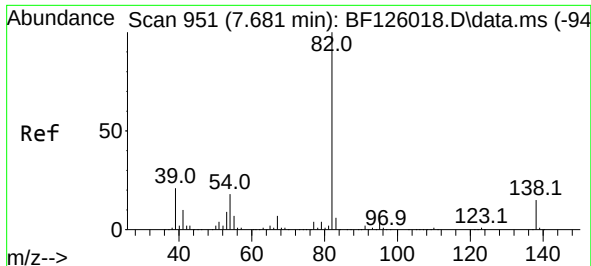
Tgt Ion:136 Resp: 467704
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 10.2 6.4 9.6#
68 5.5 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 12.298 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion: 82 Resp: 121968
Ion Ratio Lower Upper
82 100
128 38.2 40.6 60.8#
54 60.7 49.6 74.4

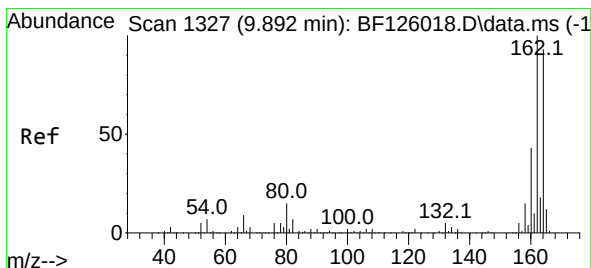
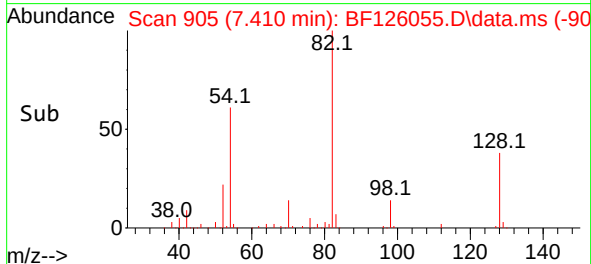
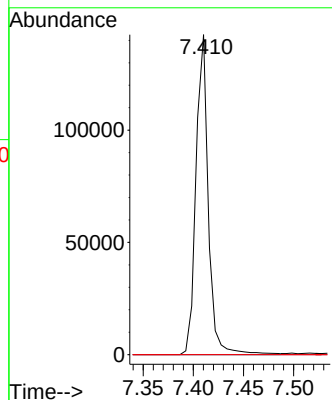
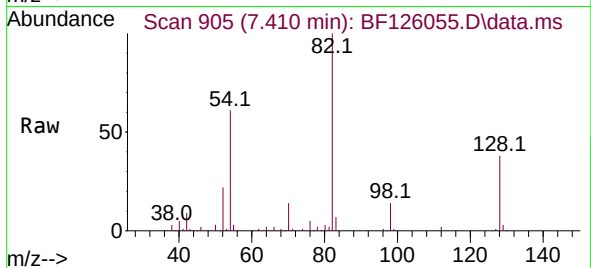




#25
Isophorone
Concen: 6.831 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

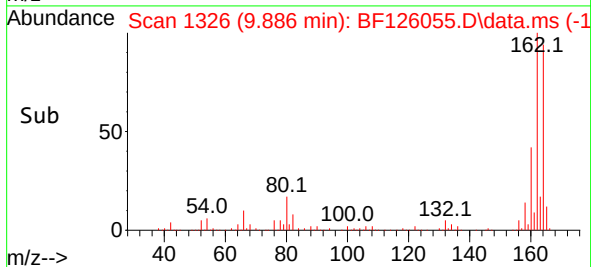
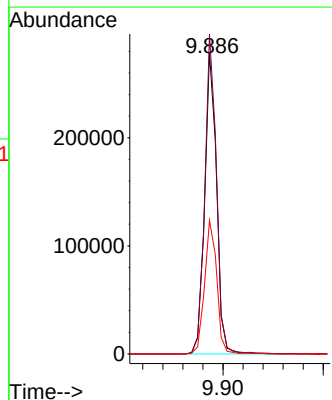
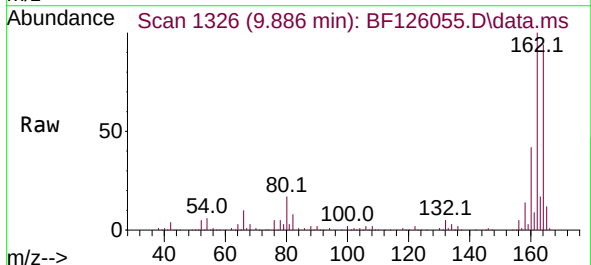
Instrument :
BNA_F
ClientSampleId :
72-11929

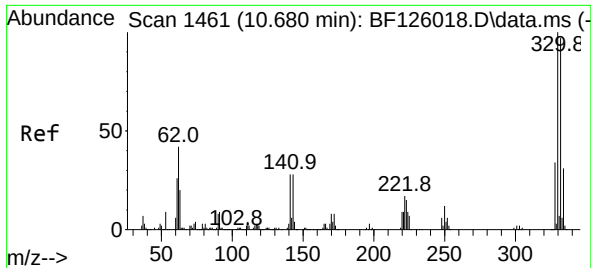
Tgt Ion: 82 Resp: 121966
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion: 164 Resp: 230579
Ion Ratio Lower Upper
164 100
162 106.2 81.3 121.9
160 44.3 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 15.313 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF126055.D

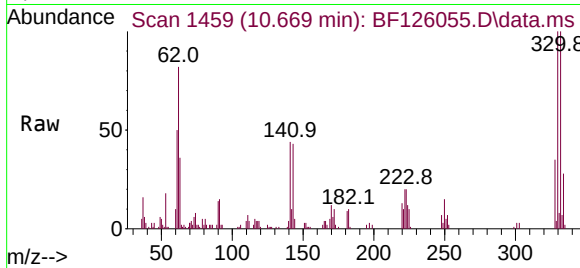
Acq: 4 Nov 2021 20:11

Instrument :

BNA_F

ClientSampleId :

72-11929



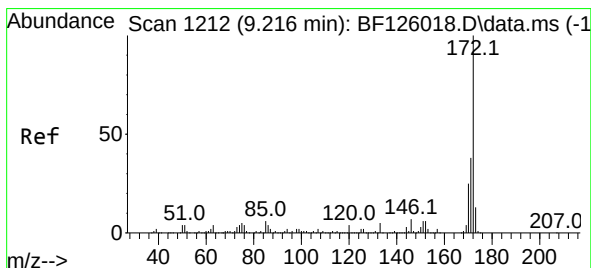
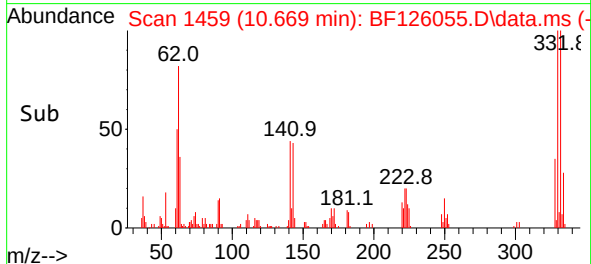
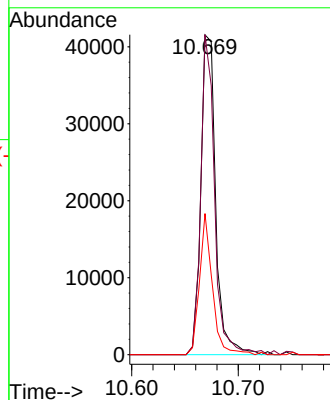
Tgt Ion:330 Resp: 40463

Ion Ratio Lower Upper

330 100

332 93.1 76.2 114.4

141 38.5 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 13.277 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126055.D

Acq: 4 Nov 2021 20:11

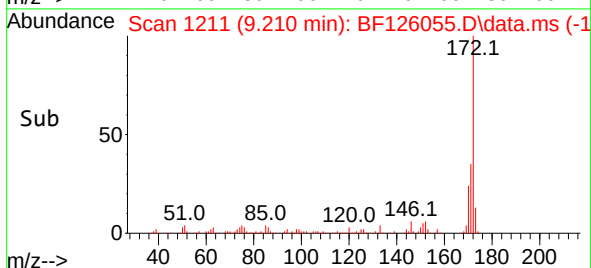
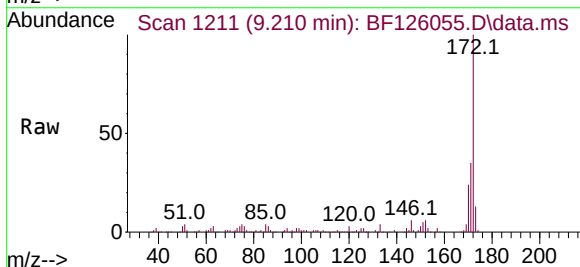
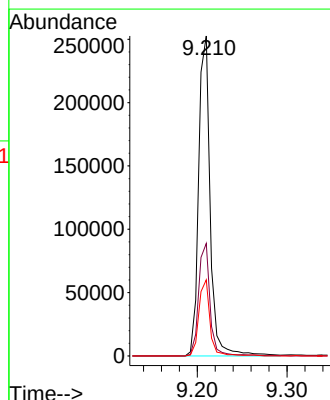
Tgt Ion:172 Resp: 226547

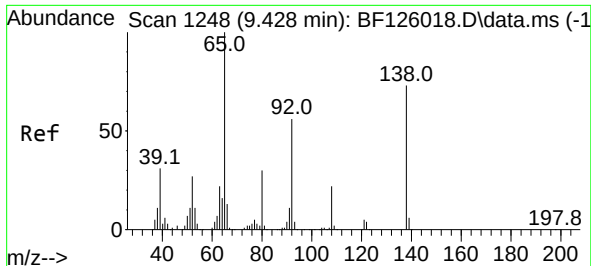
Ion Ratio Lower Upper

172 100

171 35.1 26.5 39.7

170 23.8 18.8 28.2





#48

2-Nitroaniline

Concen: 2.953 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF126055.D

Acq: 4 Nov 2021 20:11

Instrument :

BNA_F

ClientSampleId :

72-11929

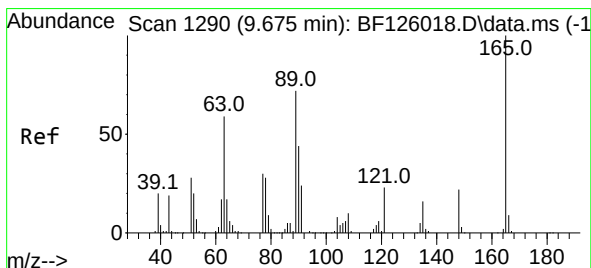
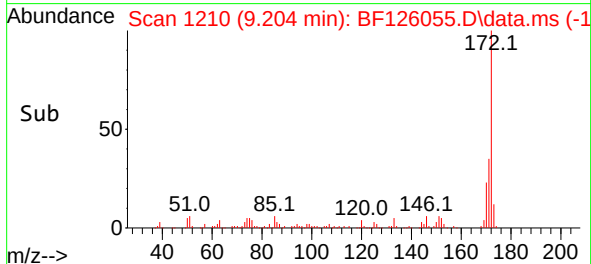
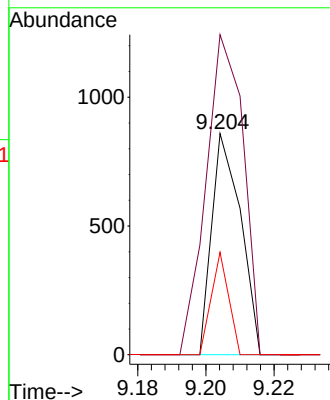
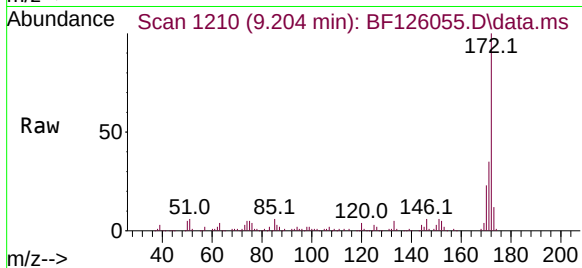
Tgt Ion: 65 Resp: 504

Ion Ratio Lower Upper

65 100

92 144.7 55.5 83.3#

138 46.3 93.5 140.3#



#51

2,6-Dinitrotoluene

Concen: 10.048 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.211 min

Lab File: BF126055.D

Acq: 4 Nov 2021 20:11

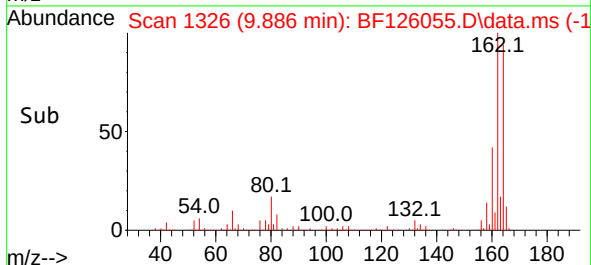
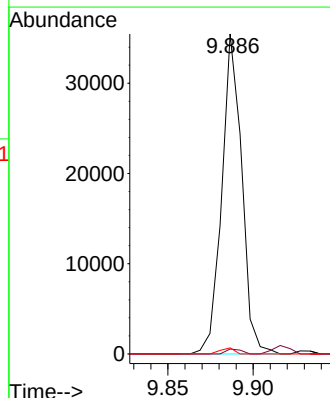
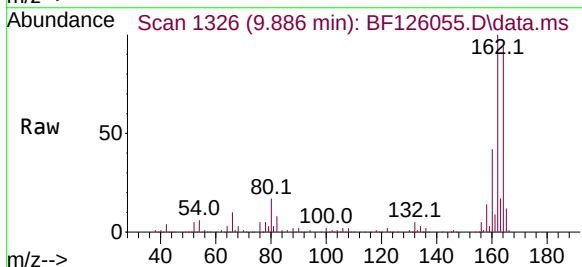
Tgt Ion: 165 Resp: 28911

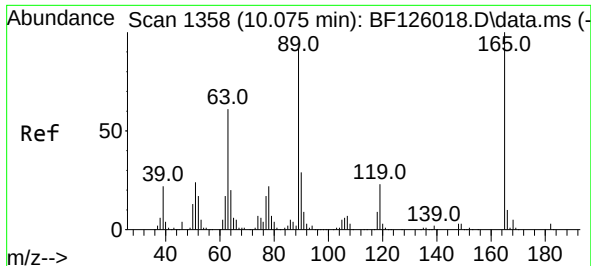
Ion Ratio Lower Upper

165 100

63 1.6 42.6 63.8#

89 1.9 40.6 60.8#

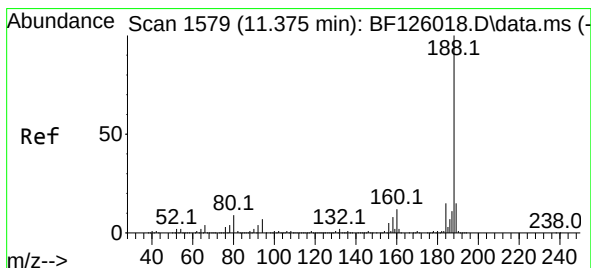
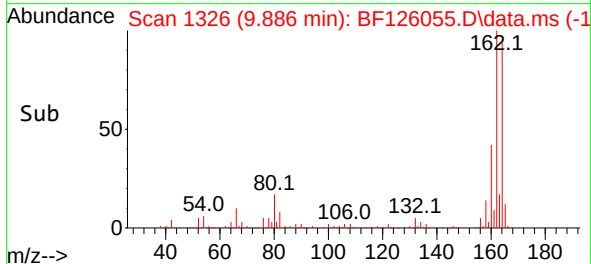
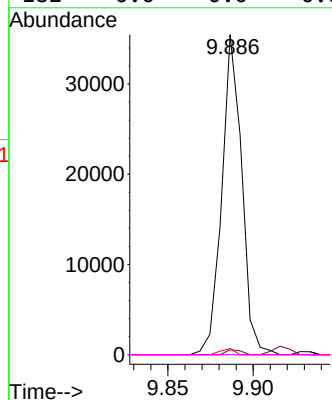
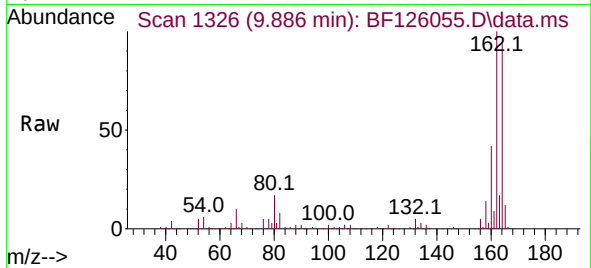




#57
2,4-Dinitrotoluene
Concen: 9.680 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

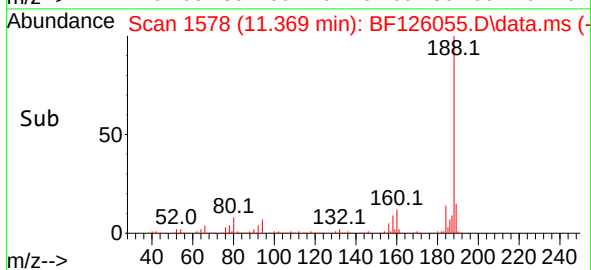
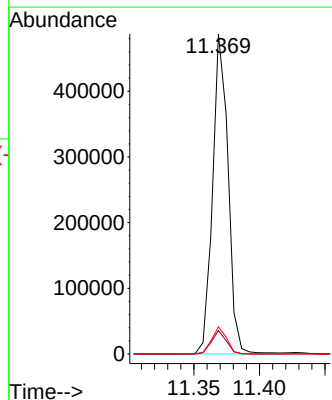
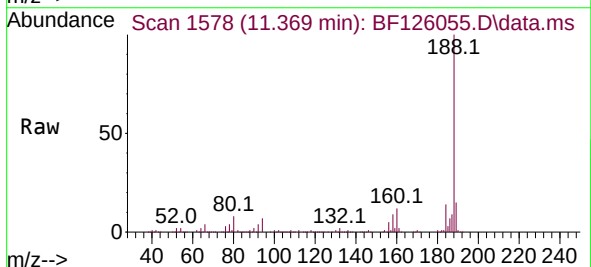
Instrument :
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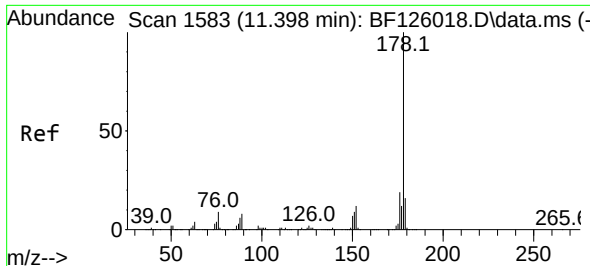
Tgt Ion:165 Resp: 28911
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.9 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:188 Resp: 399230
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 8.5 7.5 11.3

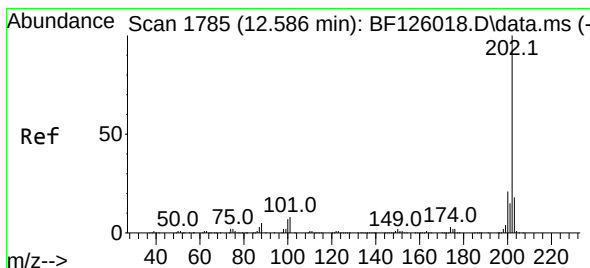
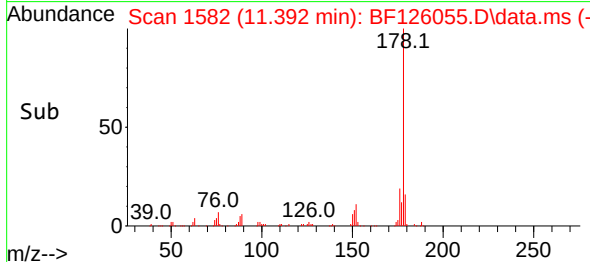
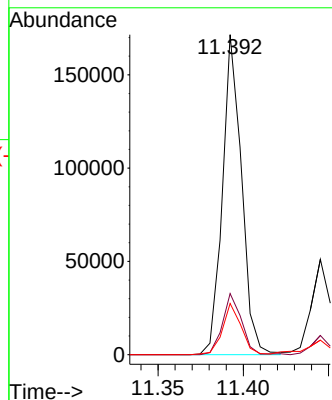
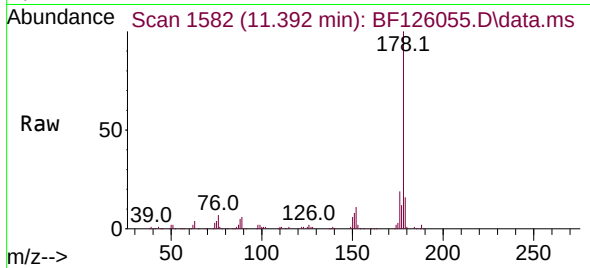




#71
Phenanthrene
Concen: 6.184 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

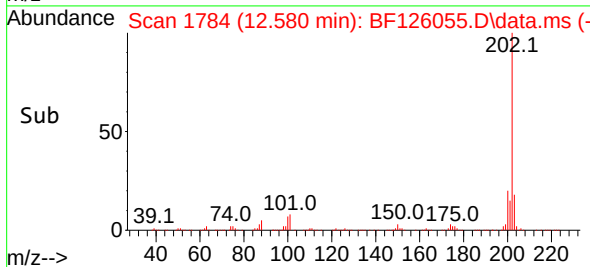
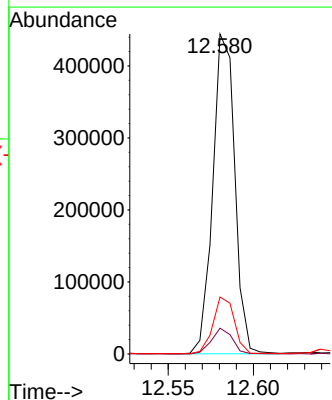
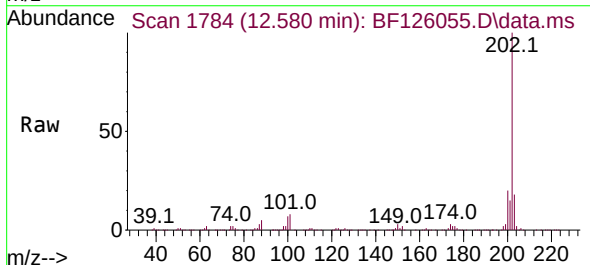
Instrument :
BNA_F
ClientSampleId :
72-11929

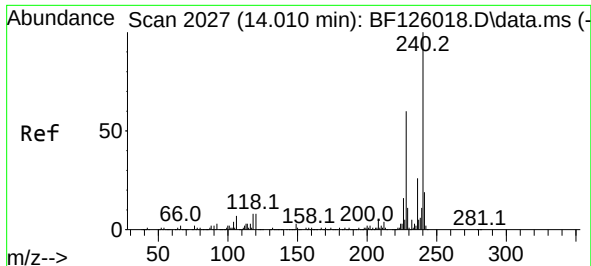
Tgt Ion:178 Resp: 133885
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 16.0 11.5 17.3



#75
Fluoranthene
Concen: 16.533 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:202 Resp: 398595
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.7
203 17.8 0.0 36.3

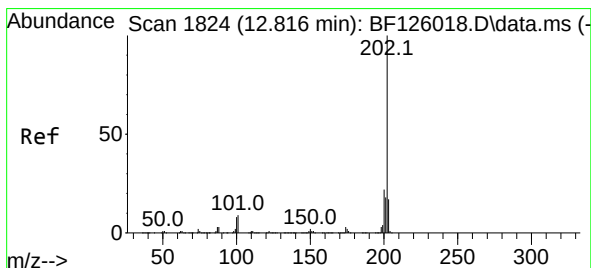
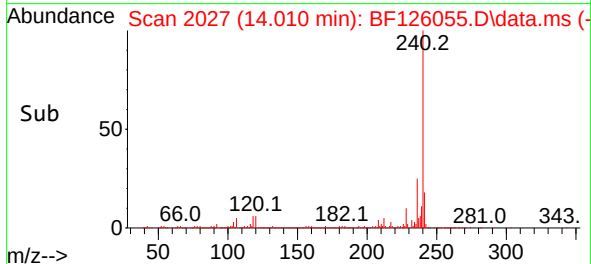
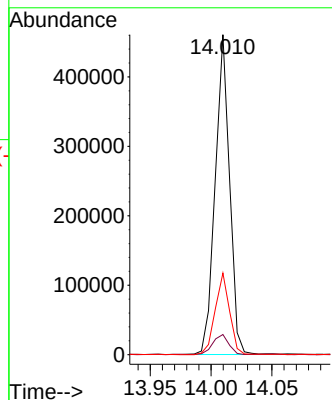
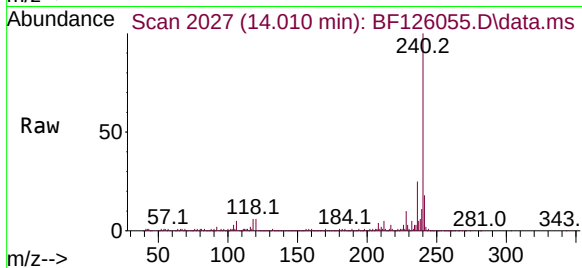




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

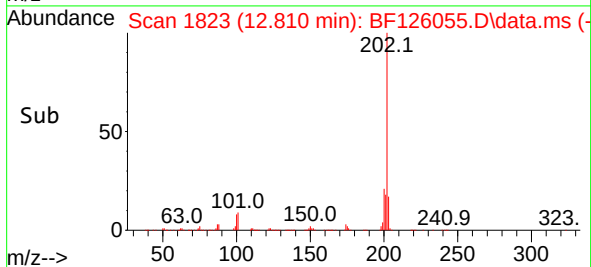
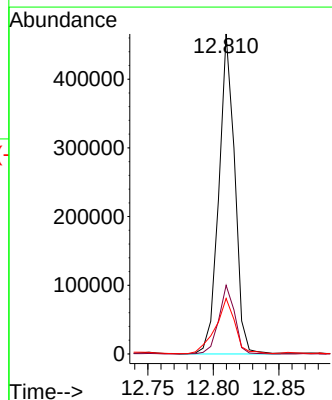
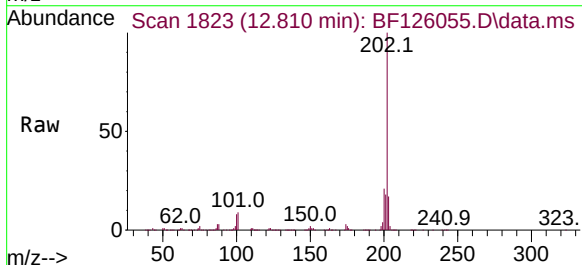
Instrument :
BNA_F
ClientSampleId :
72-11929

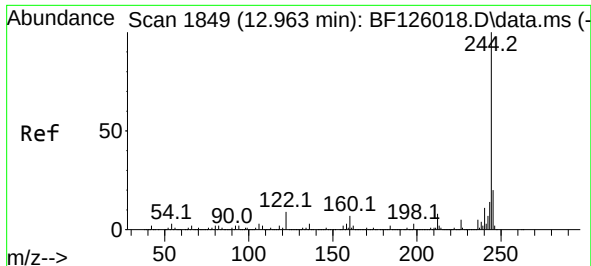
Tgt Ion:240 Resp: 379378
Ion Ratio Lower Upper
240 100
120 6.3 10.8 16.2#
236 25.5 21.6 32.4



#78
Pyrene
Concen: 12.880 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:202 Resp: 391861
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 17.4 13.4 20.0

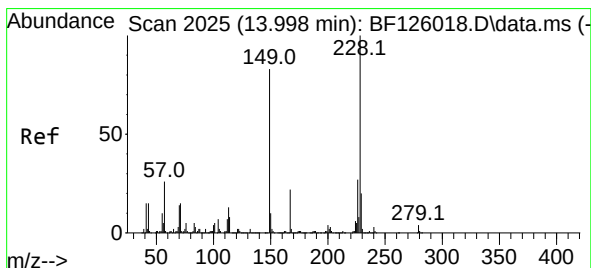
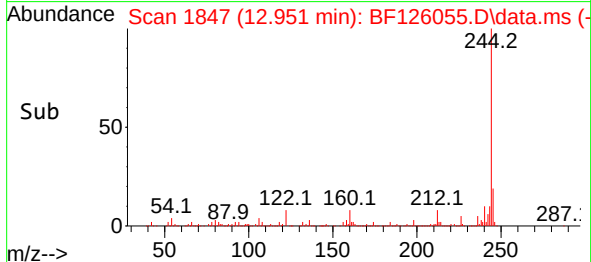
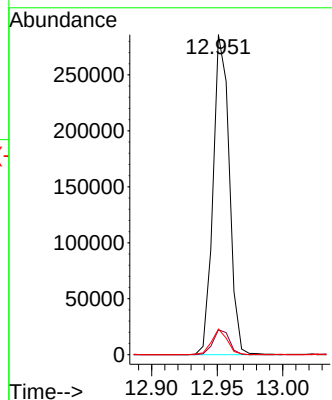
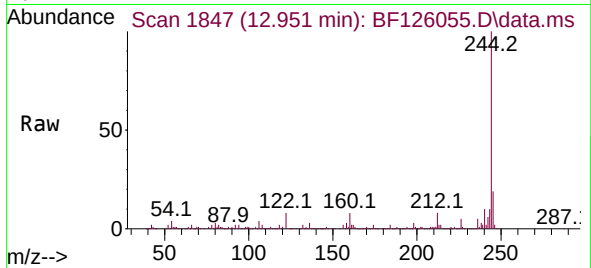




#79
 Terphenyl-d14
 Concen: 10.438 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF126055.D
 Acq: 4 Nov 2021 20:11

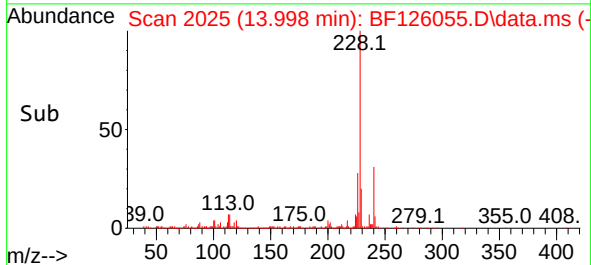
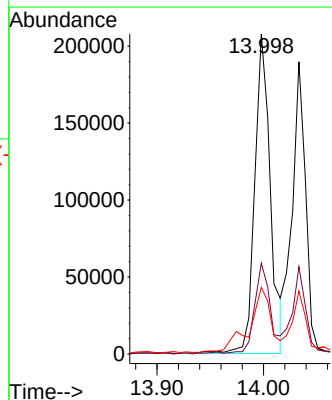
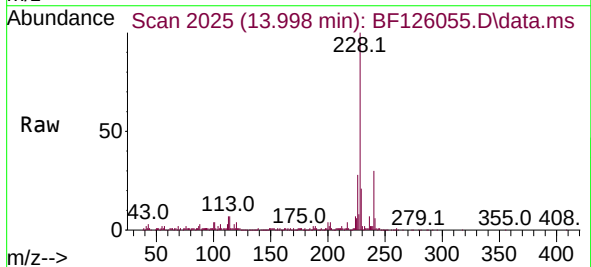
Instrument :
 BNA_F
 ClientSampleId :
 72-11929

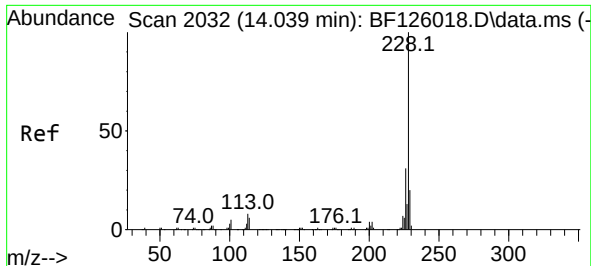
Tgt Ion:244 Resp: 245580
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 8.0 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 8.078 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126055.D
 Acq: 4 Nov 2021 20:11

Tgt Ion:228 Resp: 210538
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 20.8 15.6 23.4

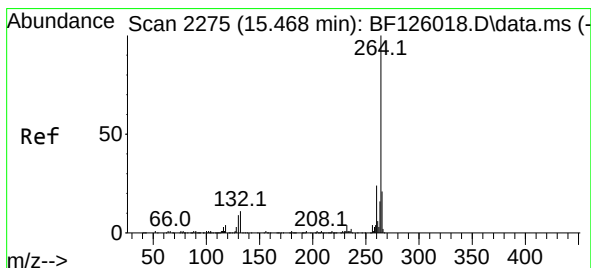
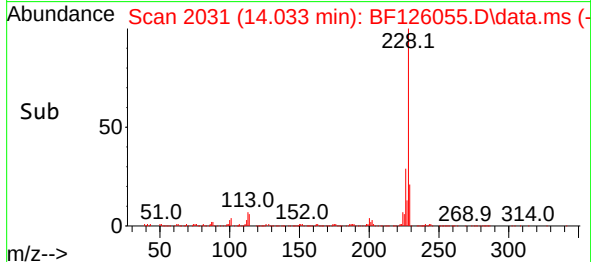
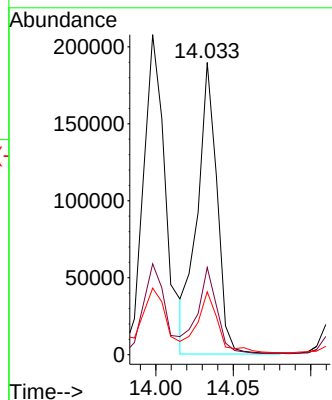
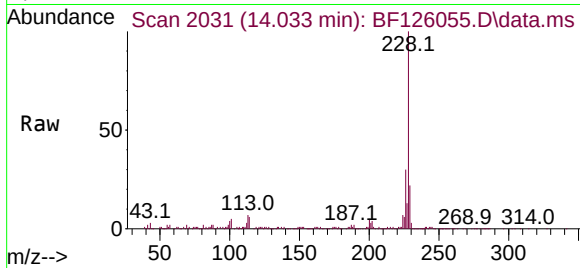




#83
Chrysene
Concen: 6.935 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

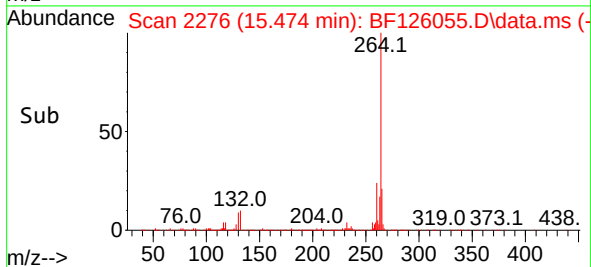
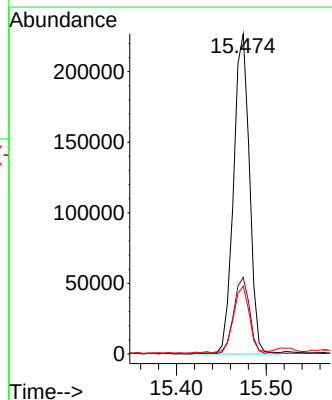
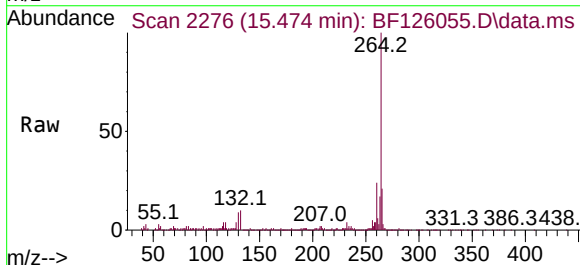
Instrument :
BNA_F
ClientSampleId :
72-11929

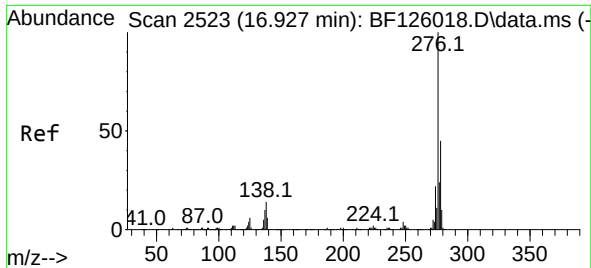
Tgt Ion:228 Resp: 168171
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:264 Resp: 279727
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.2 17.2 25.8

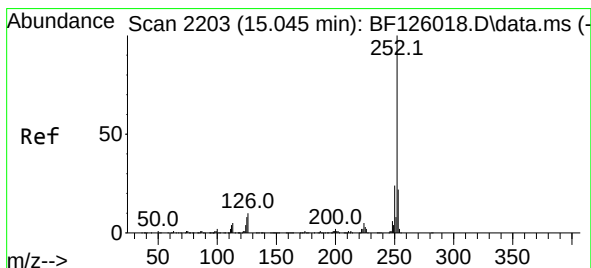
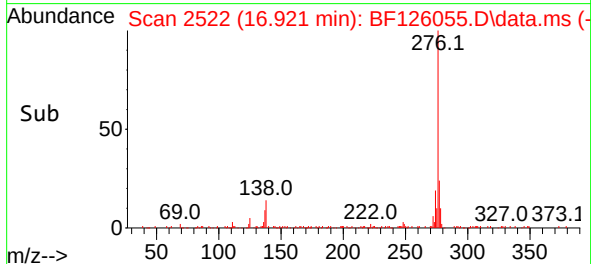
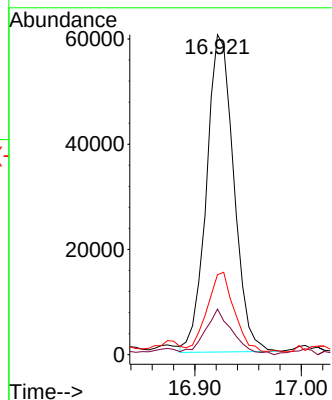
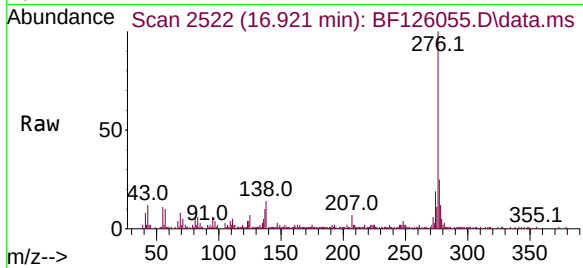




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.486 ng
 RT: 16.921 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF126055.D
 Acq: 4 Nov 2021 20:11

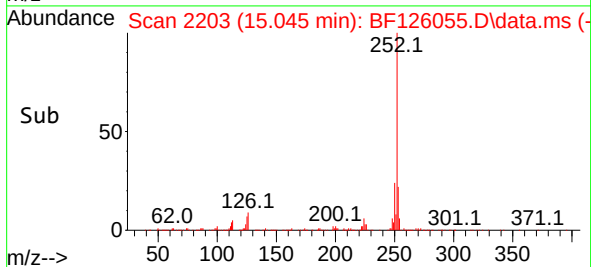
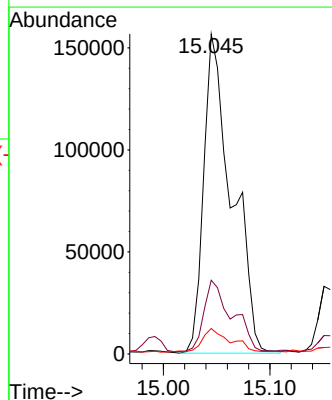
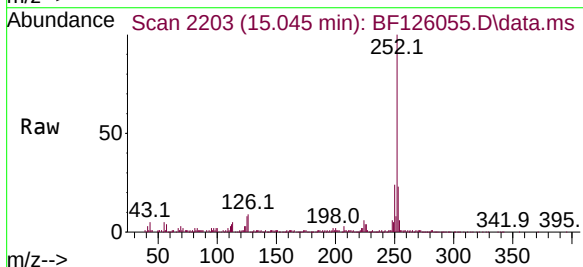
Instrument :
 BNA_F
 ClientSampleId :
 72-11929

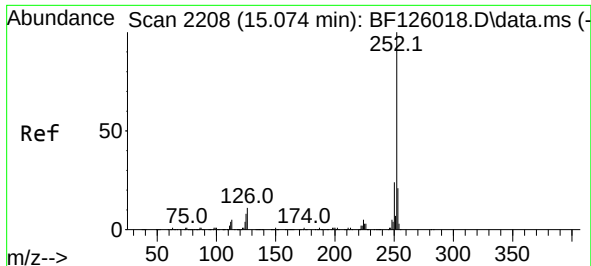
Tgt Ion:276 Resp: 107381
 Ion Ratio Lower Upper
 276 100
 138 14.5 24.1 36.1#
 277 24.7 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 15.840 ng
 RT: 15.045 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: BF126055.D
 Acq: 4 Nov 2021 20:11

Tgt Ion:252 Resp: 288203
 Ion Ratio Lower Upper
 252 100
 253 23.1 16.8 25.2
 125 8.0 9.8 14.8#

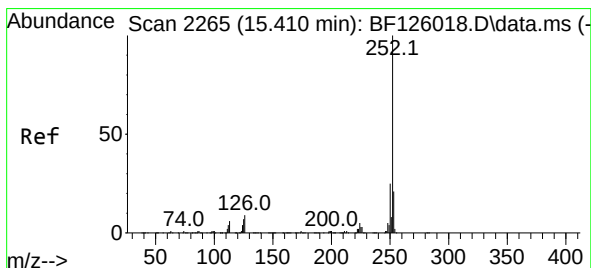
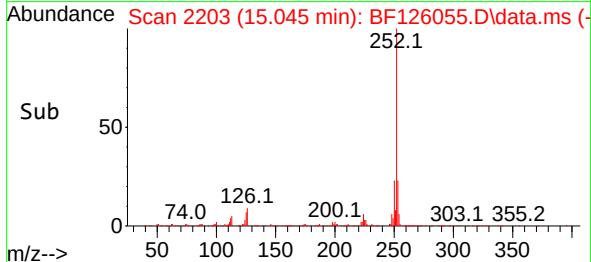
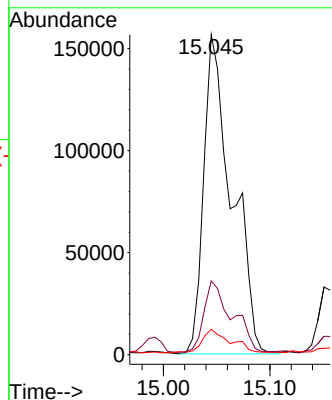
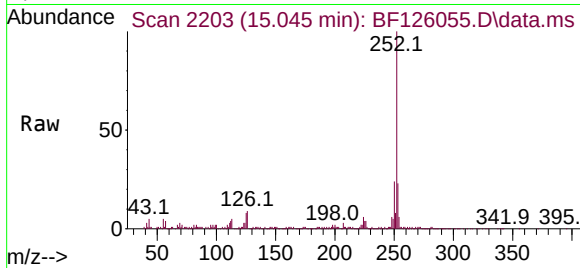




#89
Benzo(k)fluoranthene
Concen: 16.329 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

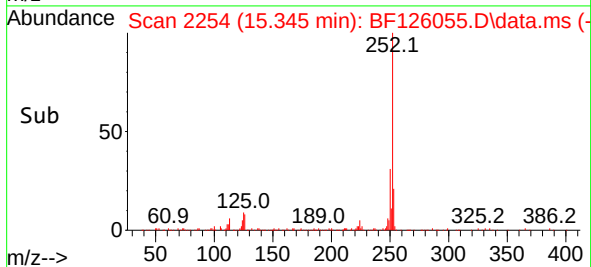
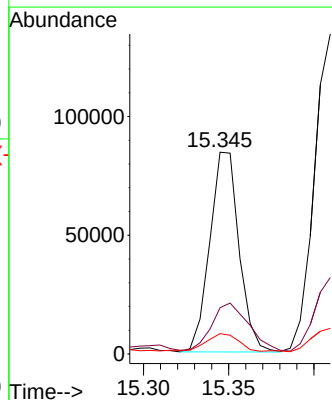
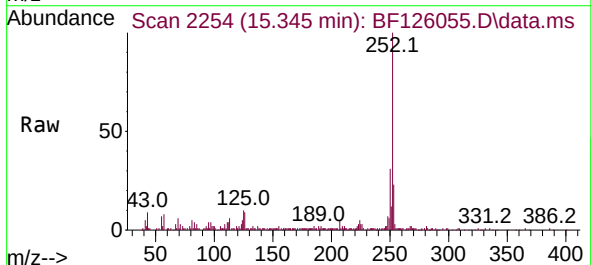
Instrument :
BNA_F
ClientSampleId :
72-11929

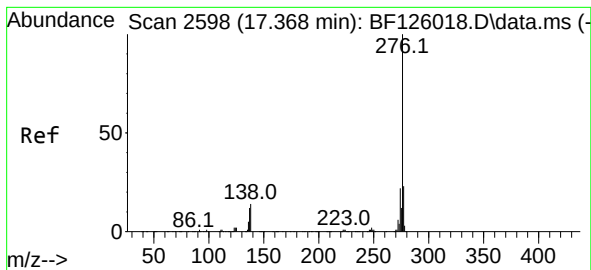
Tgt Ion:252 Resp: 288203
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 8.0 7.2 10.8



#90
Benzo(a)pyrene
Concen: 7.028 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.065 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:252 Resp: 100750
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 10.1 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 8.714 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126055.D

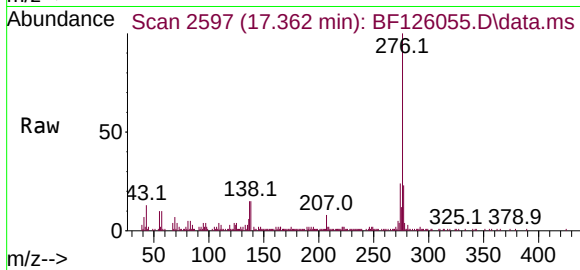
Acq: 4 Nov 2021 20:11

Instrument :

BNA_F

ClientSampleId :

72-11929



Tgt Ion:276 Resp: 113651

Ion Ratio Lower Upper

276 100

277 23.0 22.0 33.0

138 14.8 22.2 33.4#

