

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141011.D
 Acq On : 27 Dec 2024 21:43
 Operator : RC/JU
 Sample : P5343-03RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ281RE

Quant Time: Dec 27 22:22:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

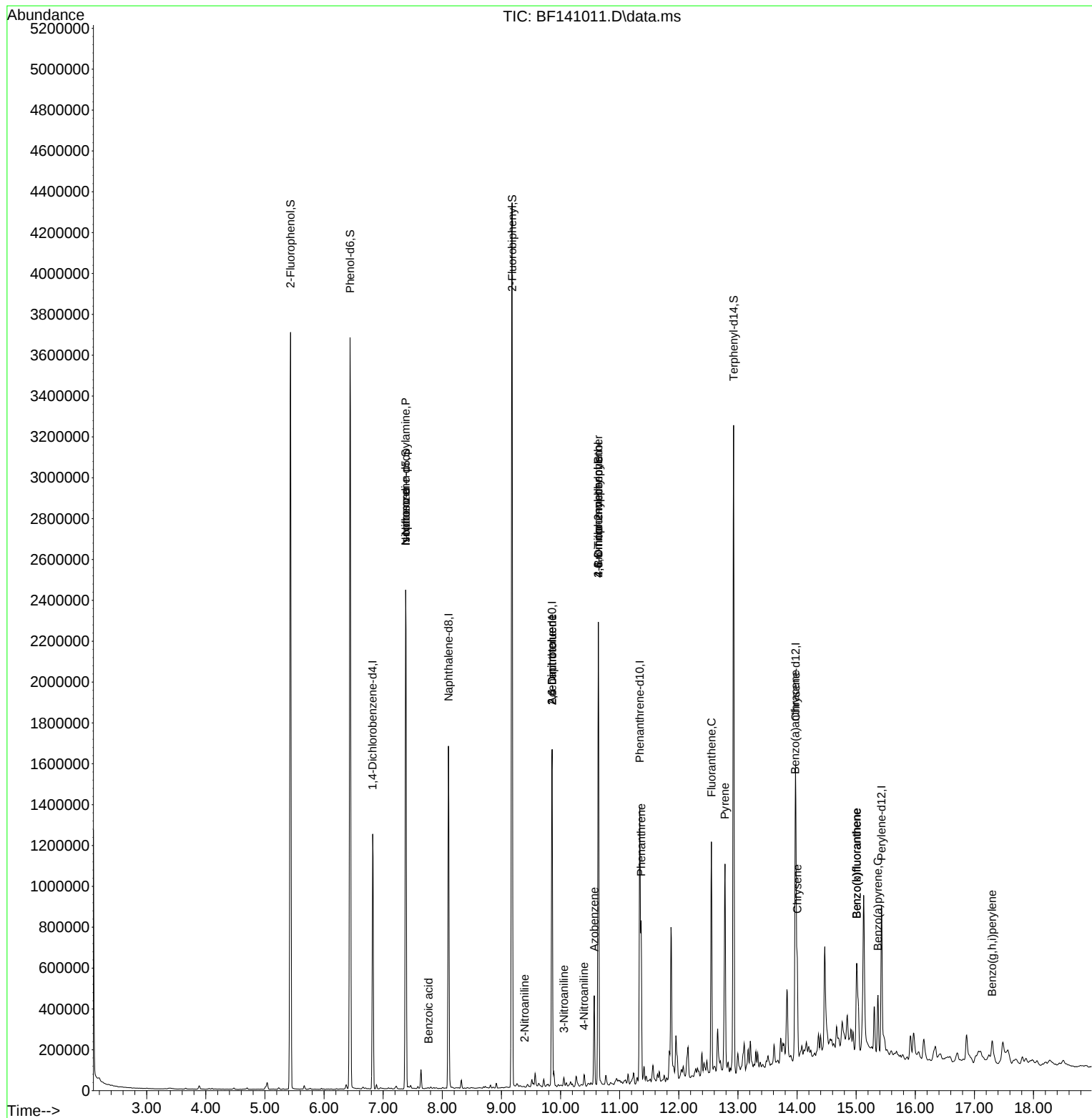
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	256785	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1001759	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	485744	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	652948	20.000	ng	0.00
76) Chrysene-d12	13.974	240	524529	20.000	ng	-0.01
86) Perylene-d12	15.427	264	408875	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1413039	82.948	ng	0.00
7) Phenol-d6	6.440	99	1782931	81.245	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1099045	70.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	372600	78.941	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	1887336	61.905	ng	0.00
79) Terphenyl-d14	12.927	244	1505580	47.676	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	2383	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.381	70	147210	10.950 ng	#	79
25) Isophorone	7.381	82	1090491	32.005 ng	#	65
32) Benzoic acid	7.769	122	835	7.761 ng		87
48) 2-Nitroaniline	9.392	65	168	4.664 ng	#	29
51) 2,6-Dinitrotoluene	9.857	165	64269	12.767 ng	#	23
53) 3-Nitroaniline	10.057	138	227	3.295 ng	#	1
57) 2,4-Dinitrotoluene	9.857	165	64270	11.805 ng	#	21
62) 4-Nitroaniline	10.398	138	323	3.388 ng	#	17
63) Azobenzene	10.569	77	106611	3.220 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.639	198	946	9.636 ng	#	1
67) 4-Bromophenyl-phenylether	10.639	248	22914	3.246 ng	#	1
71) Phenanthrene	11.363	178	398693	11.602 ng		99
75) Fluoranthene	12.551	202	616474	16.540 ng		98
78) Pyrene	12.780	202	563820	12.291 ng		99
81) Benzo(a)anthracene	13.969	228	238530	6.525 ng		98
83) Chrysene	14.004	228	278427	8.449 ng		98
88) Benzo(b)fluoranthene	15.010	252	359453	12.605 ng		97
89) Benzo(k)fluoranthene	15.010	252	359453	16.083 ng		97
90) Benzo(a)pyrene	15.368	252	167995	7.590 ng		99
92) Benzo(g,h,i)perylene	17.298	276	91069	4.205 ng		98

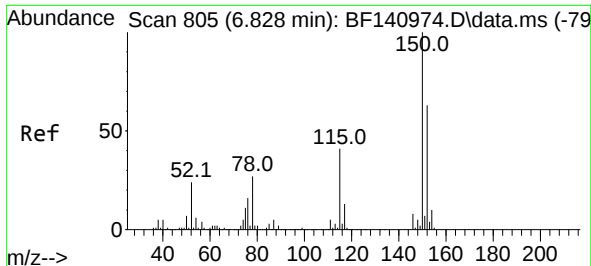
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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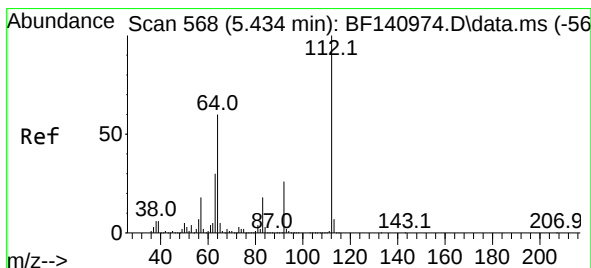
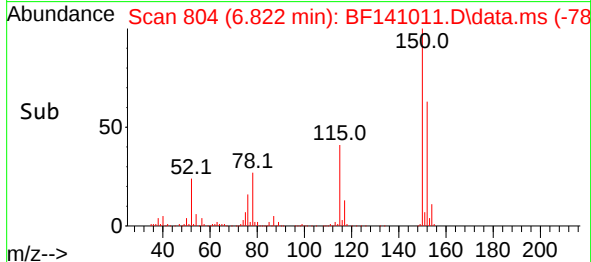
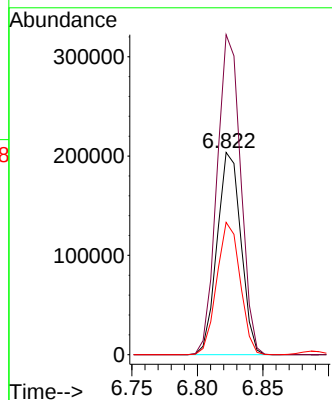
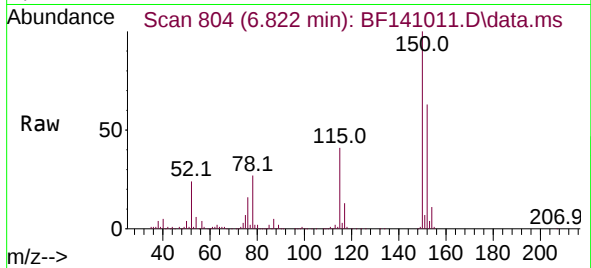




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

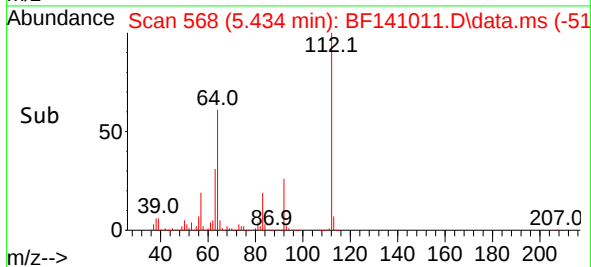
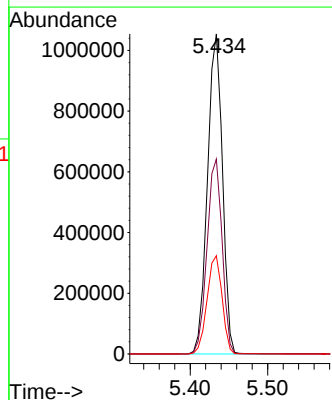
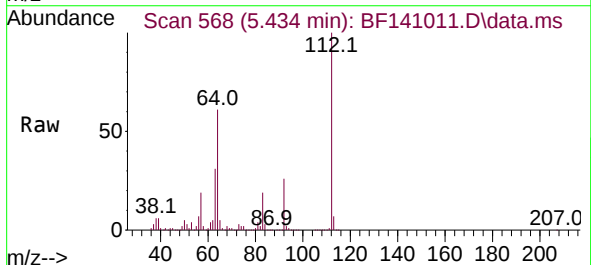
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

Tgt Ion:152 Resp: 256785
Ion Ratio Lower Upper
152 100
150 158.3 127.0 190.6
115 65.4 51.7 77.5



#5
2-Fluorophenol
Concen: 82.948 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:112 Resp: 1413039
Ion Ratio Lower Upper
112 100
64 60.9 47.7 71.5
63 30.7 24.2 36.2

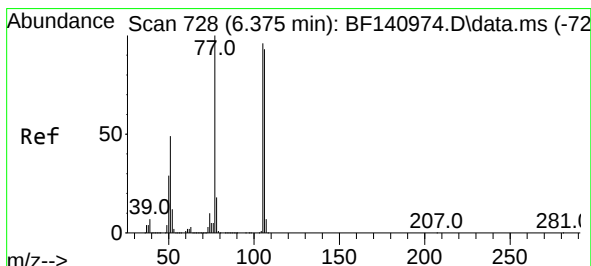
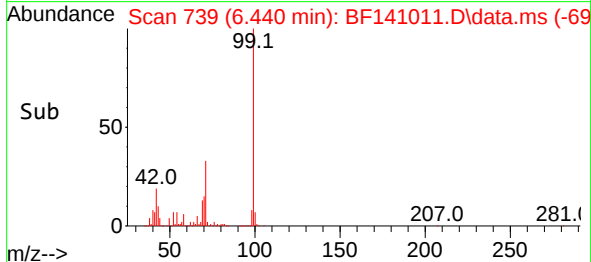
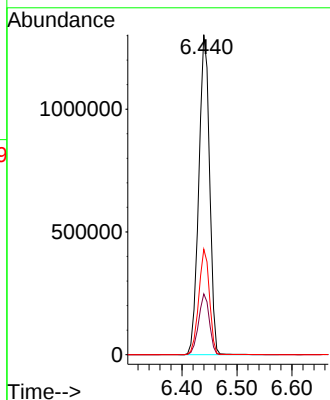
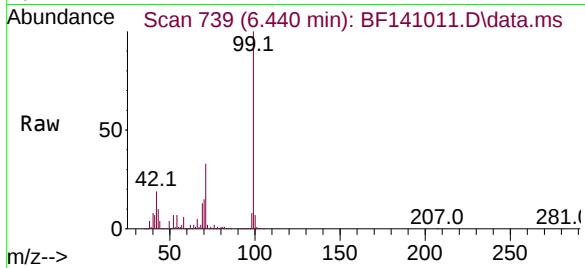




#7
Phenol-d6
Concen: 81.245 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

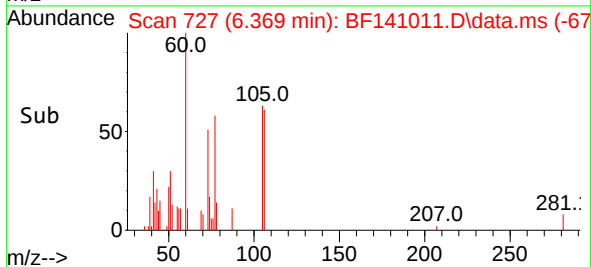
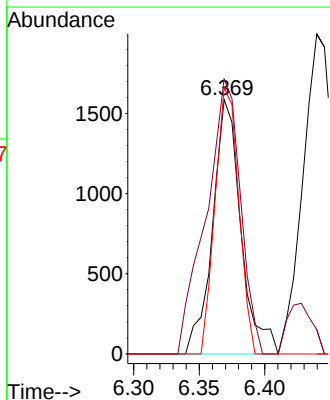
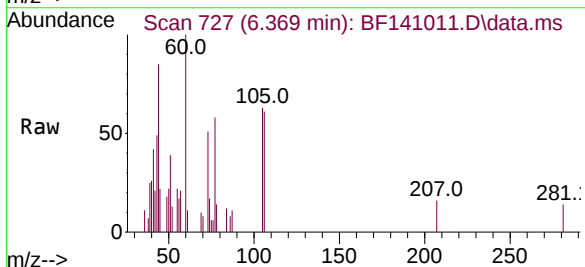
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

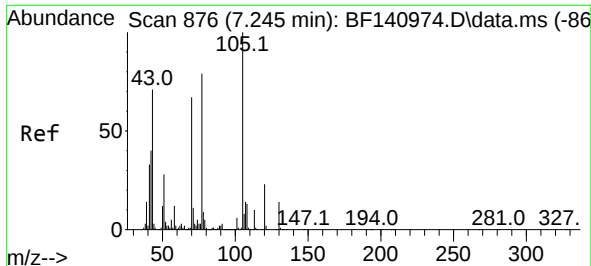
Tgt Ion: 99 Resp: 1782931
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.4
71 32.9 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion: 77 Resp: 2383
Ion Ratio Lower Upper
77 100
105 108.1 76.2 116.2
106 104.7 73.4 113.4





#19

n-Nitroso-di-n-propylamine

Concen: 10.950 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.135 min

Lab File: BF141011.D

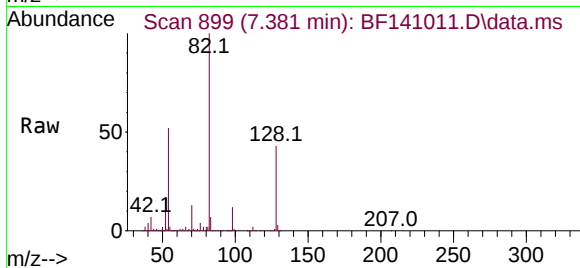
Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

VNJ281RE



Tgt Ion: 70 Resp: 147210

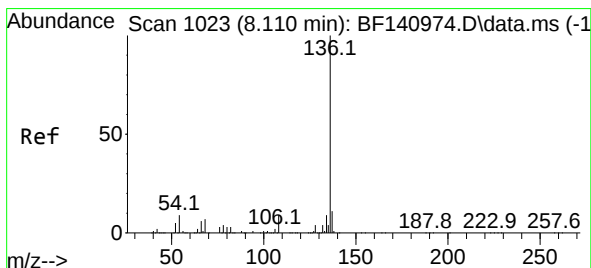
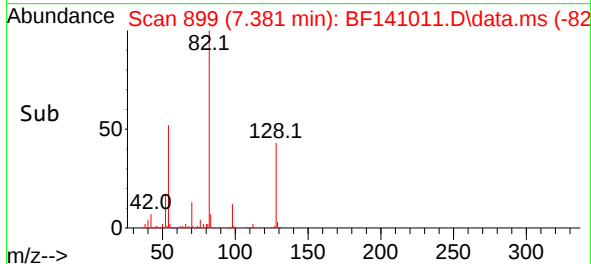
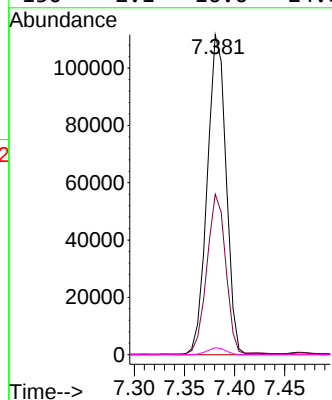
Ion Ratio Lower Upper

70 100

42 50.2 48.1 72.1

101 0.0 7.6 11.4#

130 2.1 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Tgt Ion: 136 Resp: 1001759

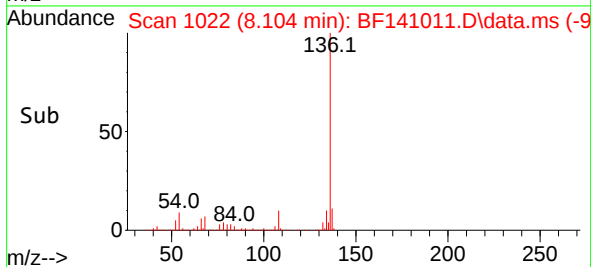
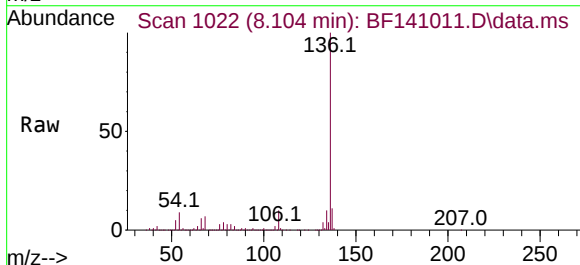
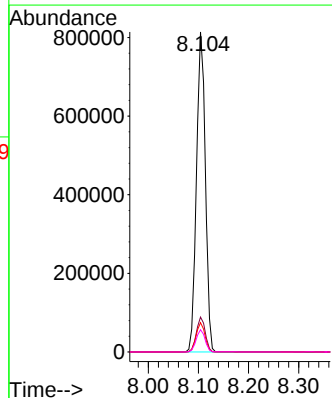
Ion Ratio Lower Upper

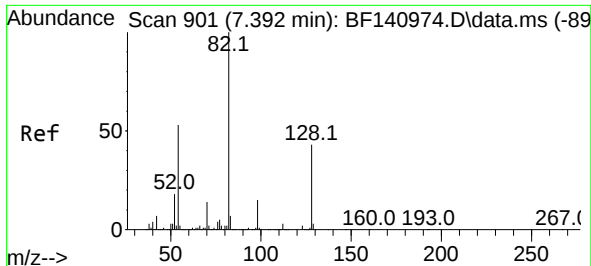
136 100

137 10.9 9.0 13.4

54 9.1 7.6 11.4

68 7.0 5.6 8.4

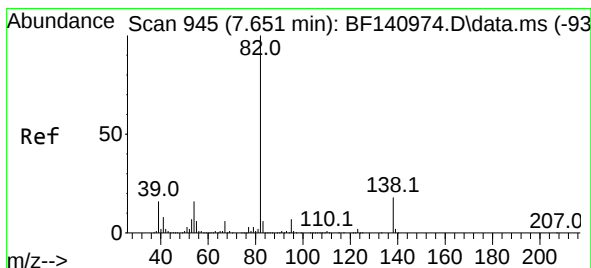
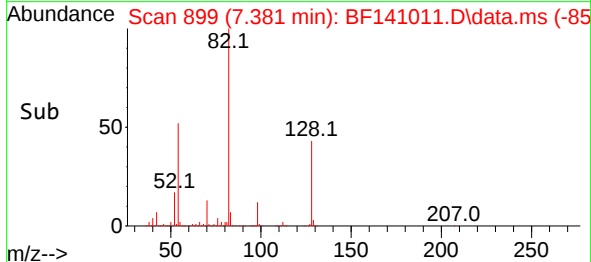
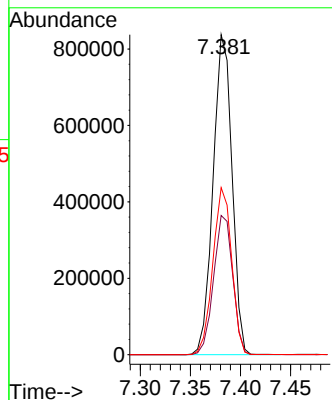
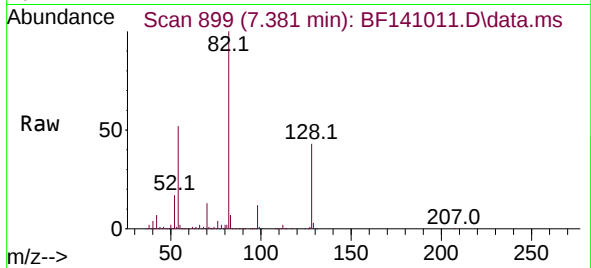




#23
Nitrobenzene-d5
Concen: 70.191 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

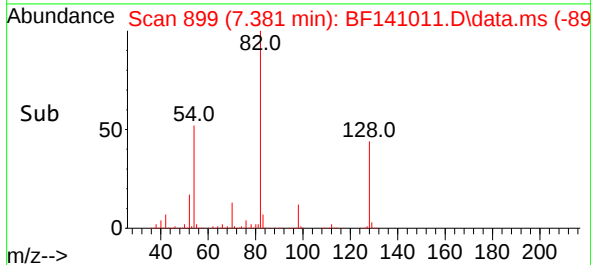
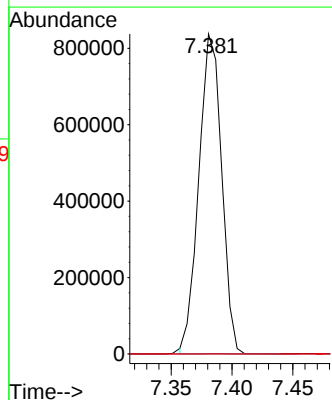
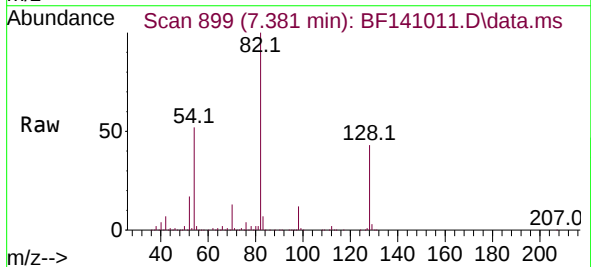
Instrument :
BNA_F
ClientSampleId :
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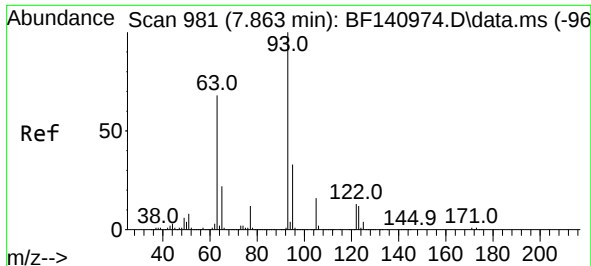
Tgt Ion: 82 Resp: 1099045
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 52.2 42.4 63.6



#25
Isophorone
Concen: 32.005 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion: 82 Resp: 1090491
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

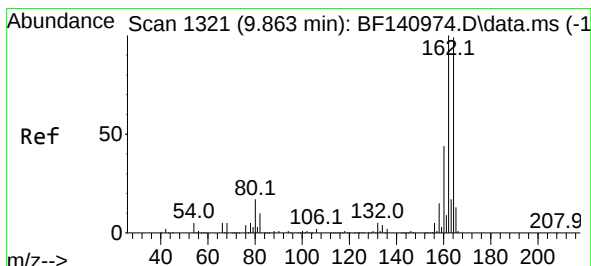
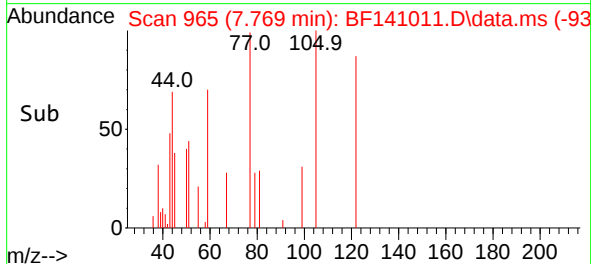
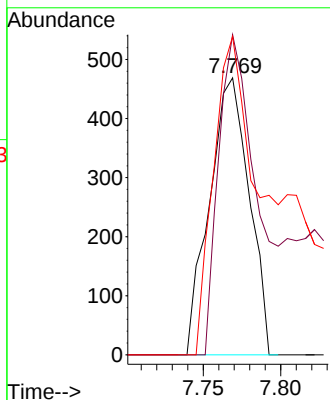
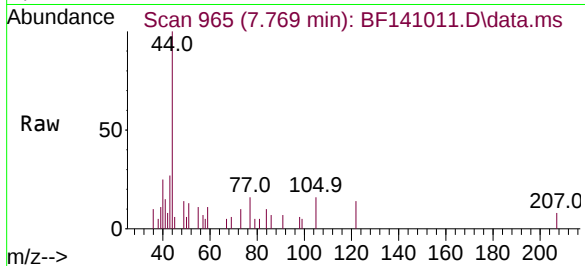




#32
Benzoic acid
Concen: 7.761 ng
RT: 7.769 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

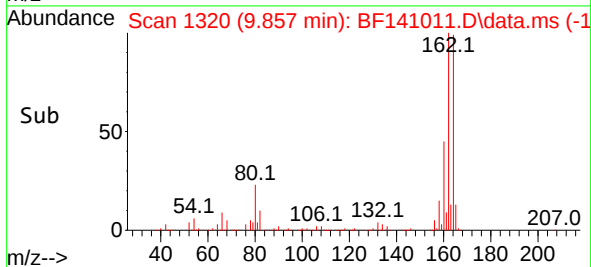
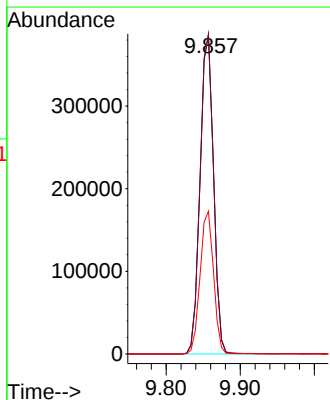
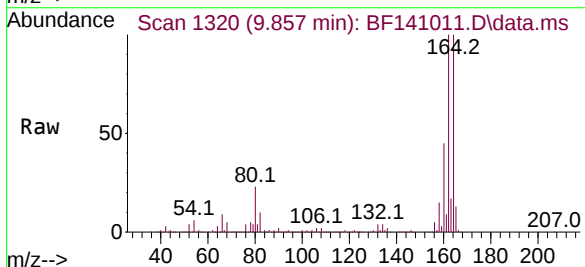
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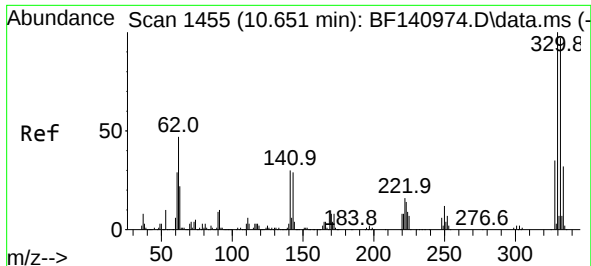
Tgt Ion:122 Resp: 835
Ion Ratio Lower Upper
122 100
105 115.6 105.4 145.4
77 114.9 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:164 Resp: 485744
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 44.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 78.941 ng

RT: 10.639 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

VNJ281RE

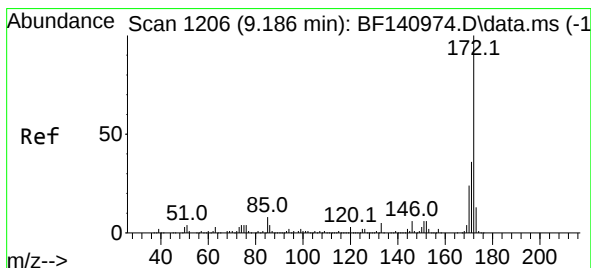
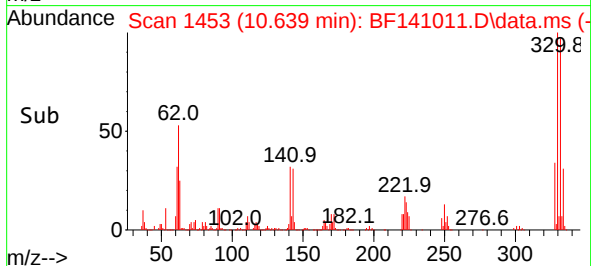
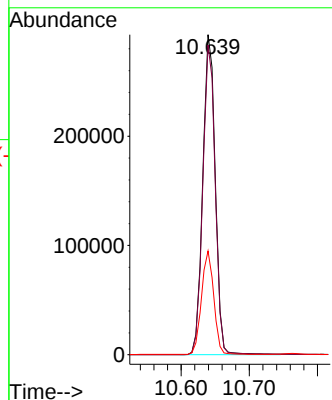
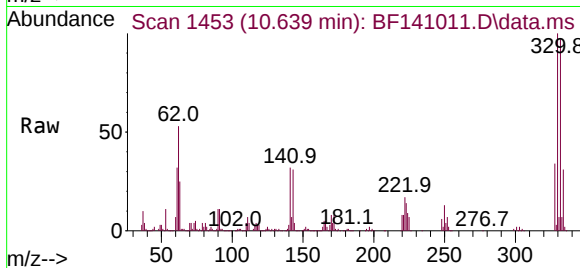
Tgt Ion:330 Resp: 372600

Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

141 31.7 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 61.905 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

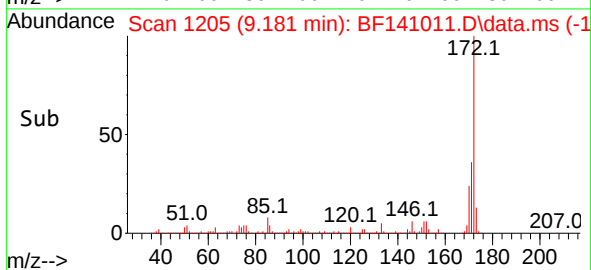
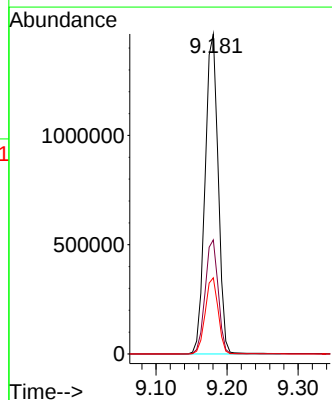
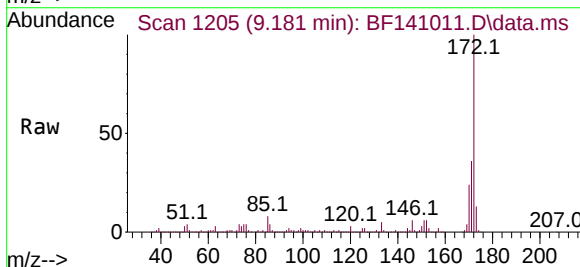
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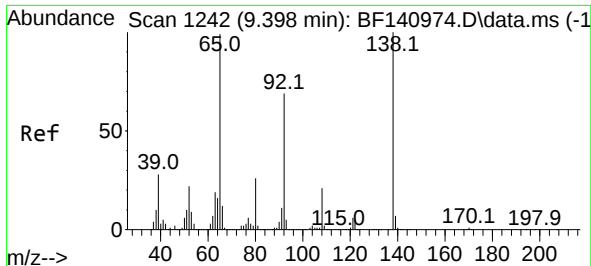
Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.8 19.6 29.4

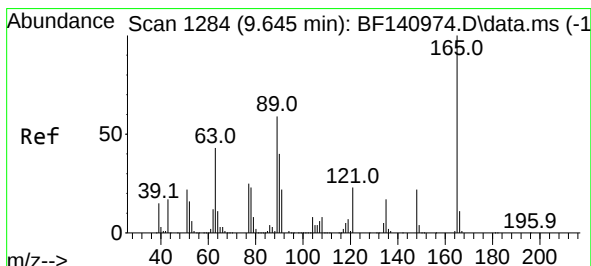
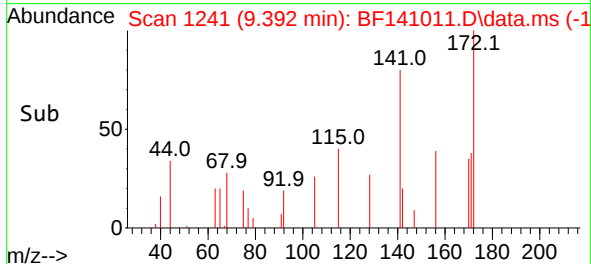
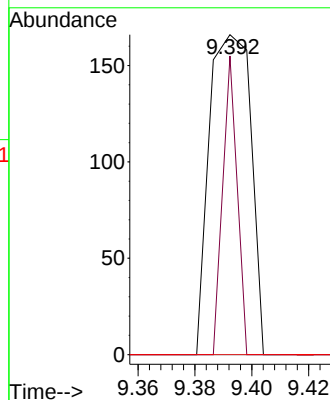
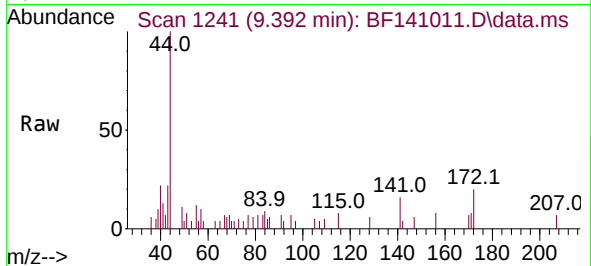




#48
2-Nitroaniline
Concen: 4.664 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

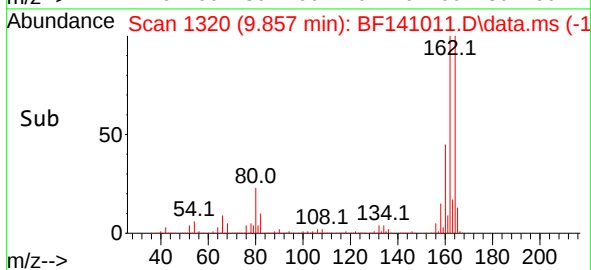
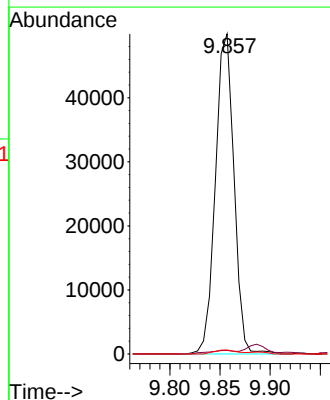
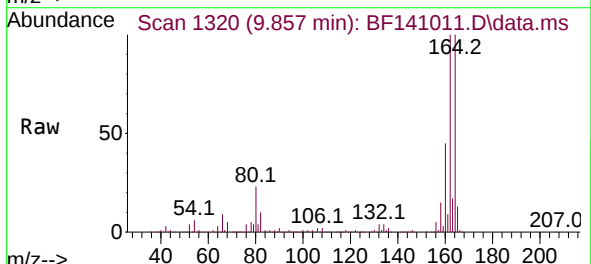
Instrument :
BNA_F
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VNJ281RE

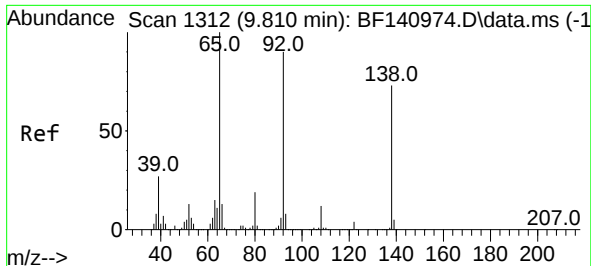
Tgt Ion: 65 Resp: 168
Ion Ratio Lower Upper
65 100
92 93.4 55.6 83.4#
138 0.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.767 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion: 165 Resp: 64269
Ion Ratio Lower Upper
165 100
63 1.1 47.1 70.7#
89 1.2 47.0 70.4#

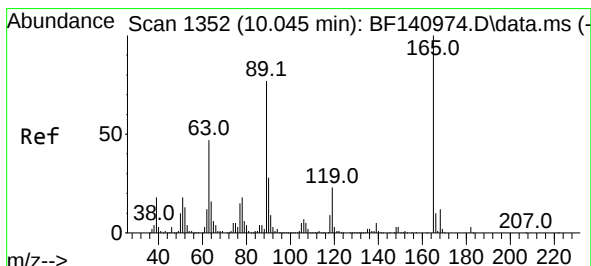
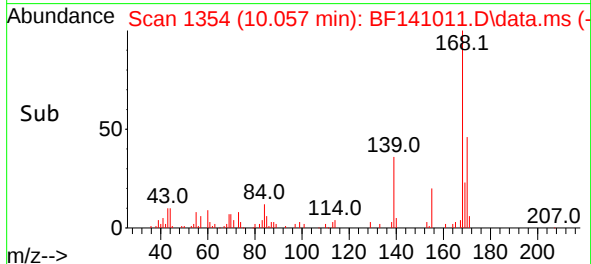
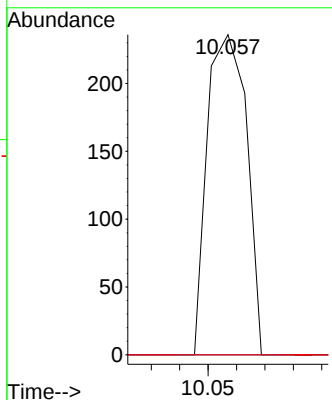
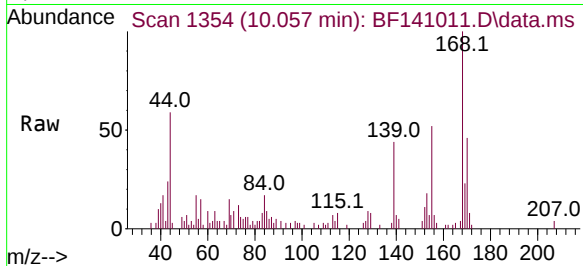




#53
3-Nitroaniline
Concen: 3.295 ng
RT: 10.057 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

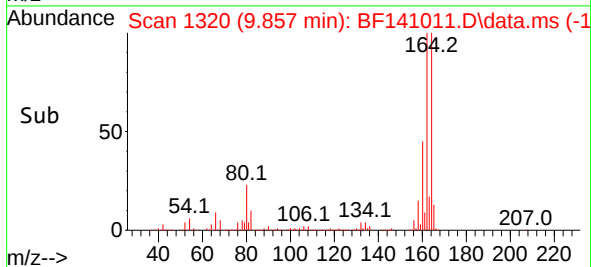
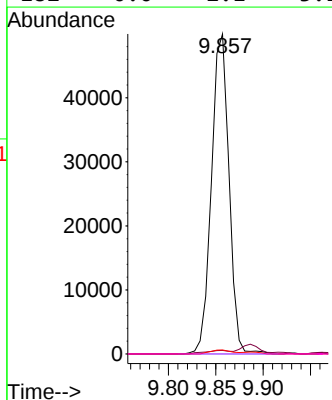
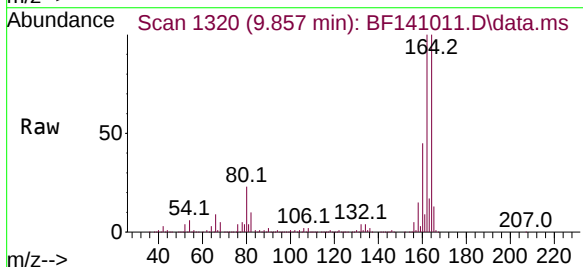
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

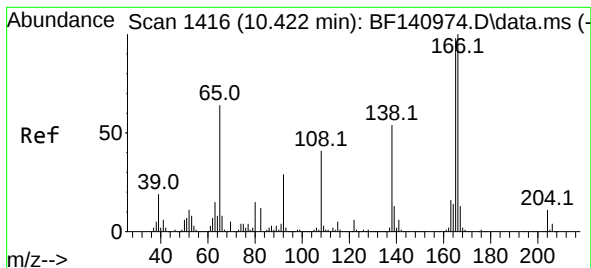
Tgt Ion:138 Resp: 227
Ion Ratio Lower Upper
138 100
108 0.0 13.5 20.3#
92 0.0 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.805 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:165 Resp: 64270
Ion Ratio Lower Upper
165 100
63 1.1 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#

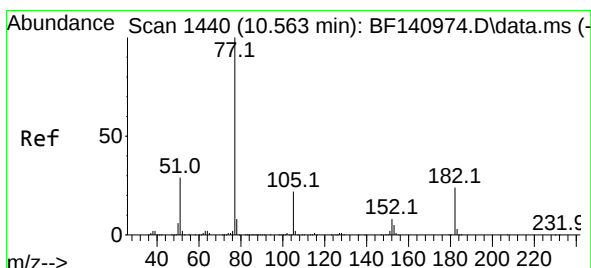
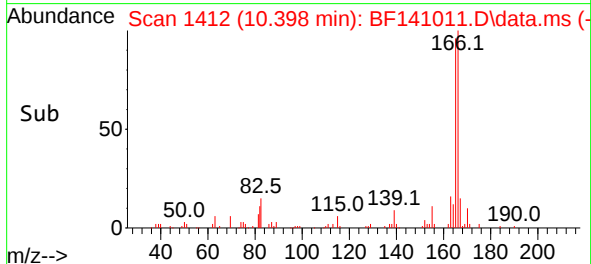
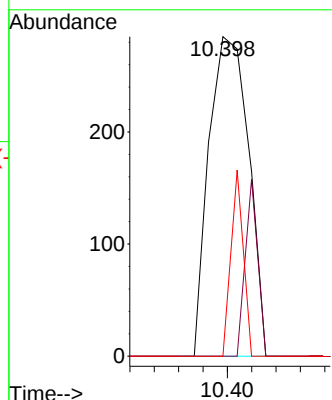
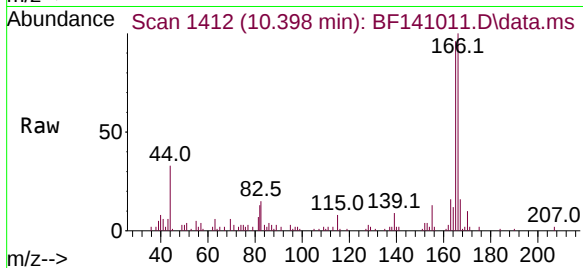




#62
4-Nitroaniline
Concen: 3.388 ng
RT: 10.398 min Scan# 1416
Delta R.T. -0.024 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

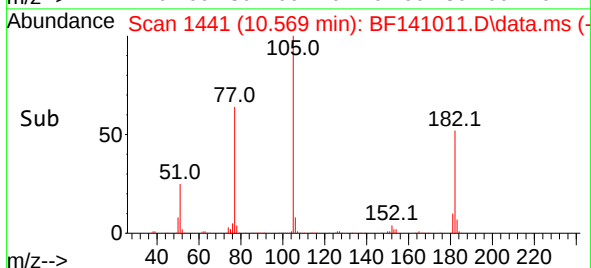
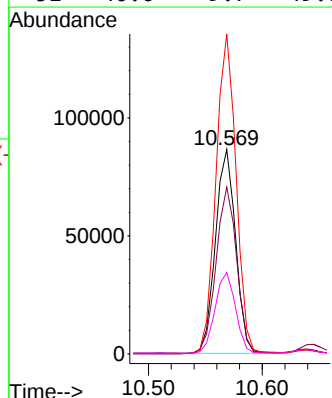
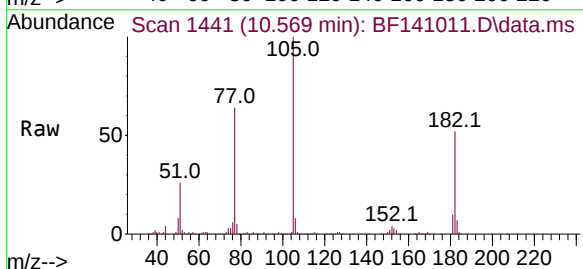
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

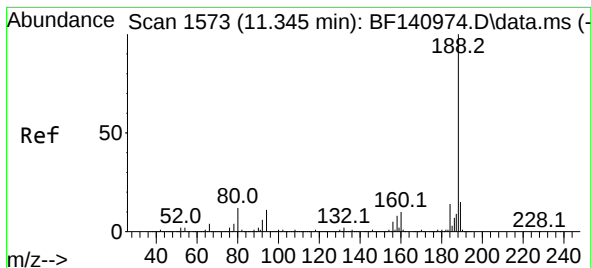
Tgt Ion:138 Resp: 323
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 0.0 55.9 95.9#



#63
Azobenzene
Concen: 3.220 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion: 77 Resp: 106611
Ion Ratio Lower Upper
77 100
182 81.6 4.1 44.1#
105 156.5 1.8 41.8#
51 40.0 9.7 49.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

VNJ281RE

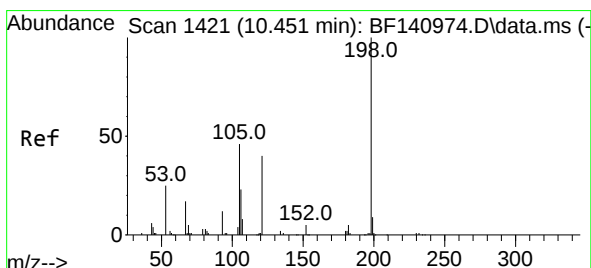
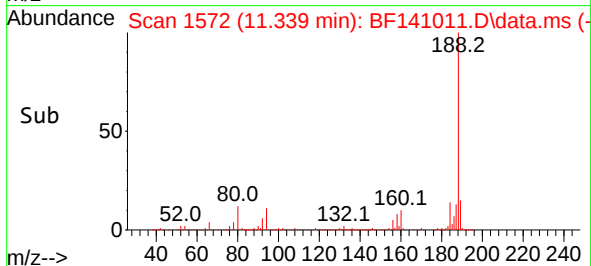
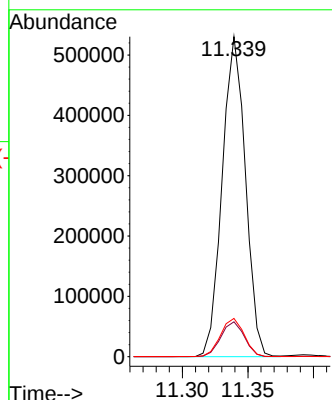
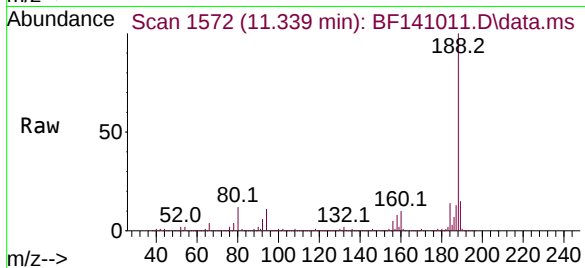
Tgt Ion:188 Resp: 652948

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

80 12.0 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.636 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.188 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

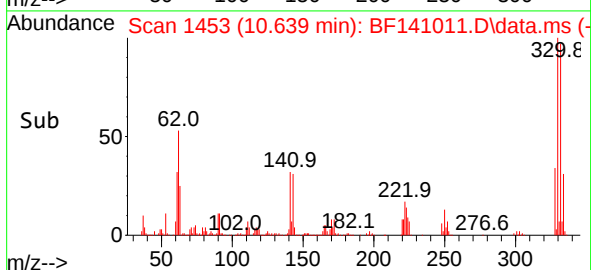
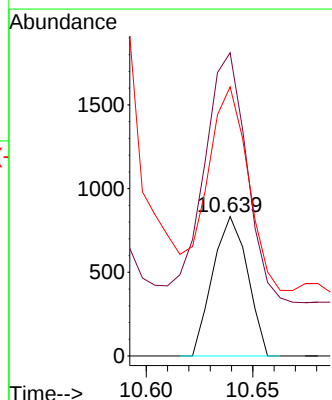
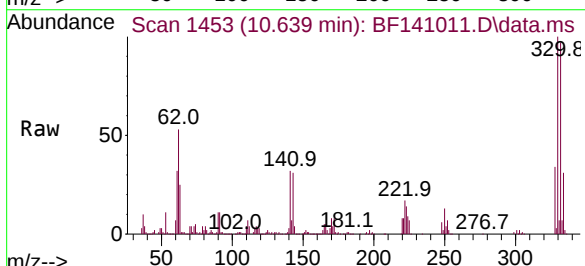
Tgt Ion:198 Resp: 946

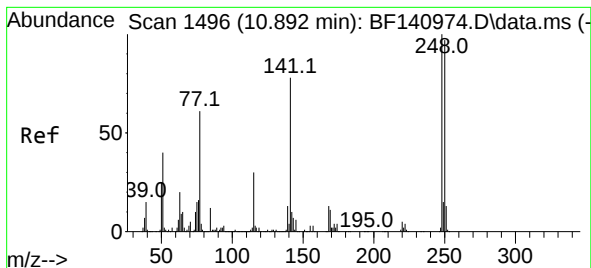
Ion Ratio Lower Upper

198 100

51 217.5 32.3 72.3#

105 193.0 28.4 68.4#

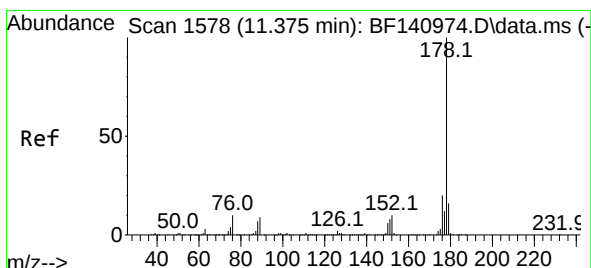
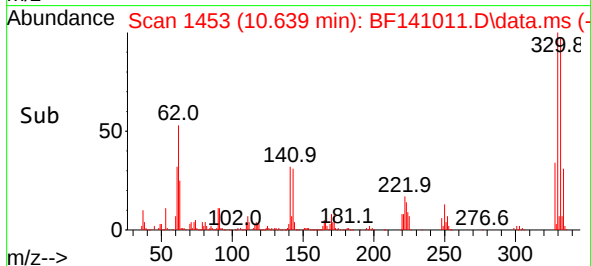
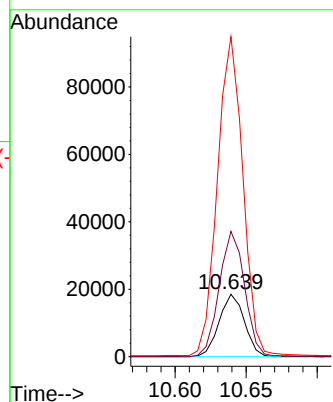
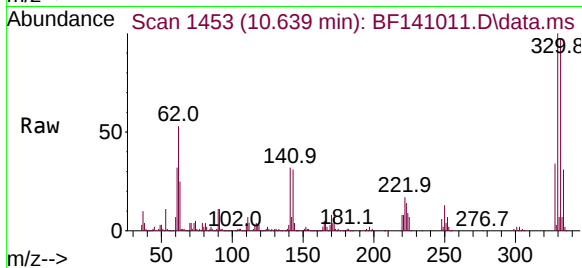




#67
4-Bromophenyl-phenylether
Concen: 3.246 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.253 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

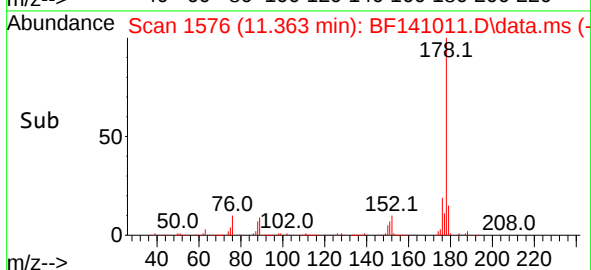
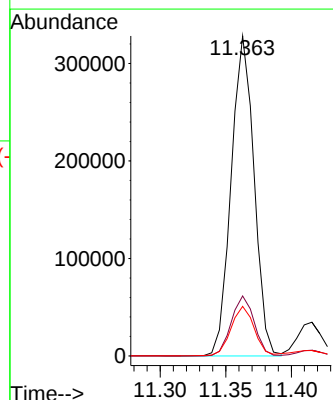
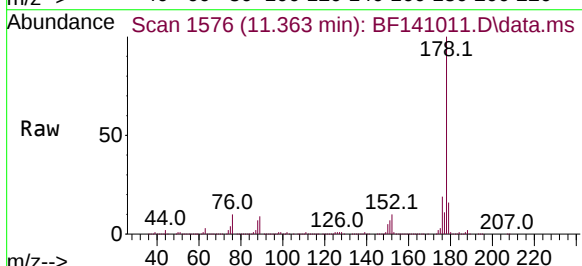
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

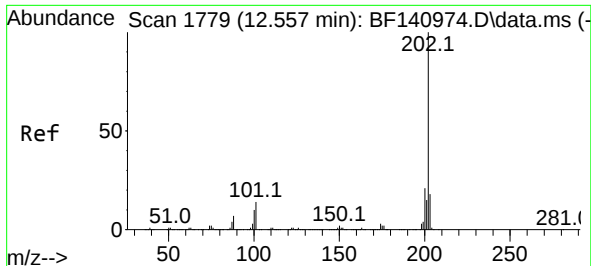
Tgt Ion:248 Resp: 22914
Ion Ratio Lower Upper
248 100
250 200.9 77.7 116.5#
141 513.1 62.1 93.1#



#71
Phenanthrene
Concen: 11.602 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:178 Resp: 398693
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.5 12.6 19.0

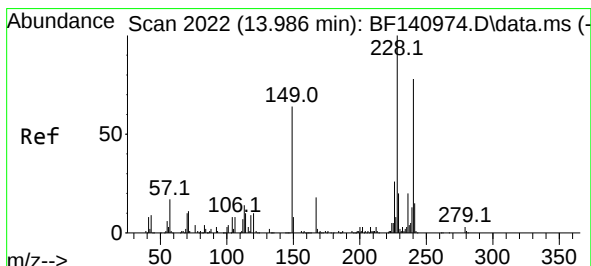
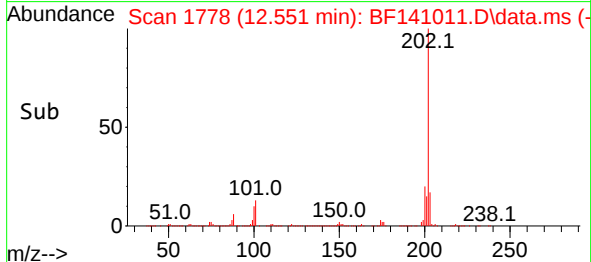
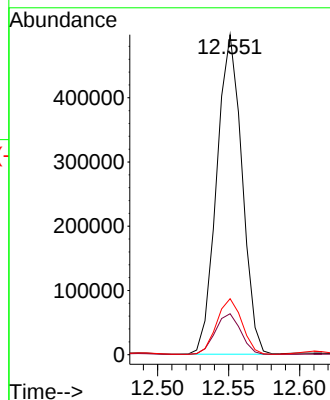
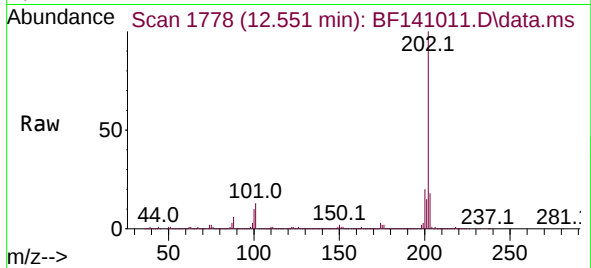




#75
Fluoranthene
Concen: 16.540 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

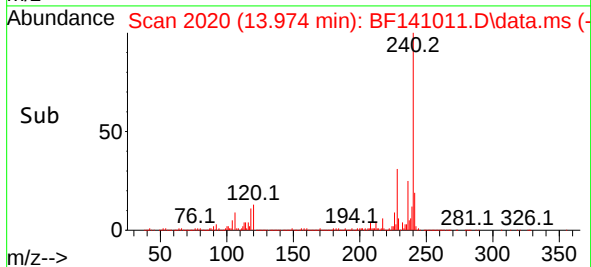
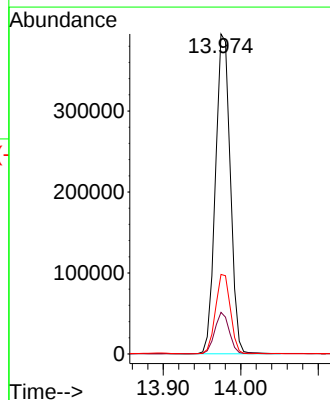
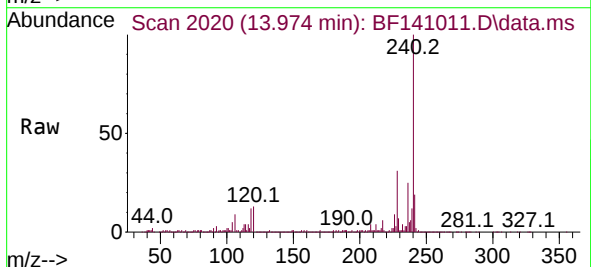
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

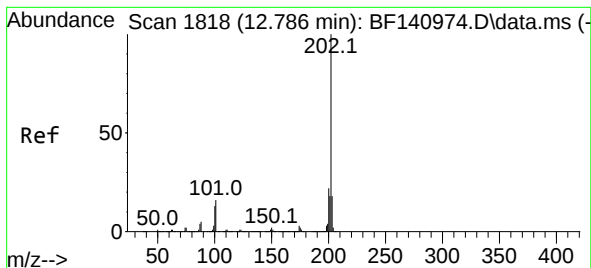
Tgt Ion:202 Resp: 616474
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.7
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:240 Resp: 524529
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 24.9 20.6 31.0





#78

Pyrene

Concen: 12.291 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

VNJ281RE

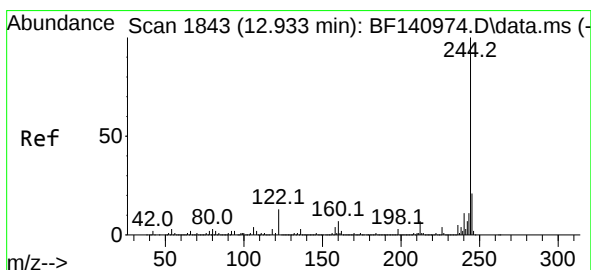
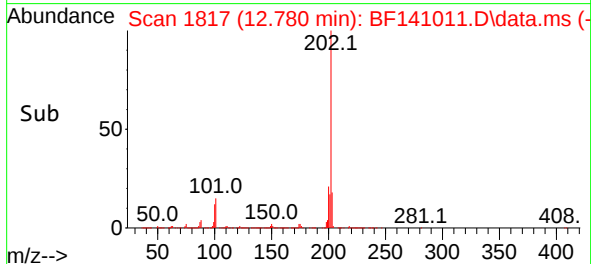
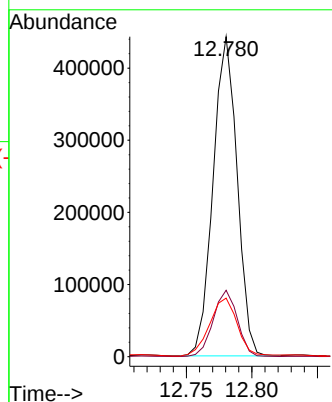
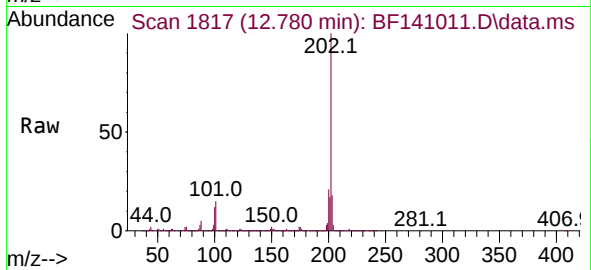
Tgt Ion:202 Resp: 563820

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 18.3 14.6 21.8



#79

Terphenyl-d14

Concen: 47.676 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

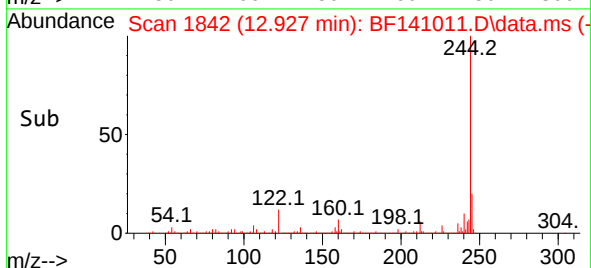
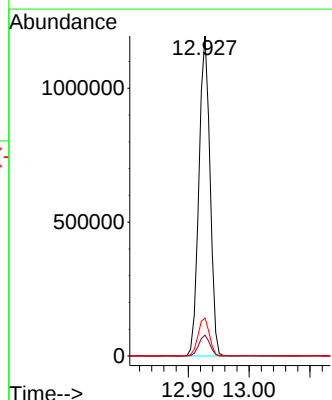
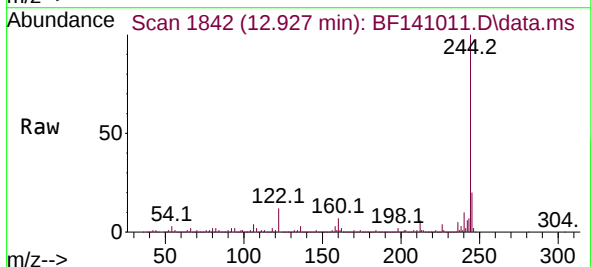
Tgt Ion:244 Resp: 1505580

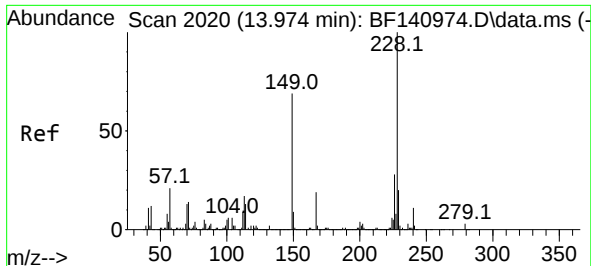
Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 11.9 10.2 15.2

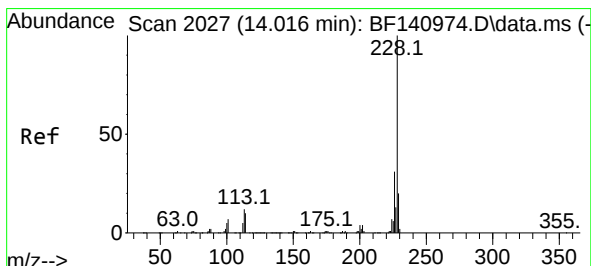
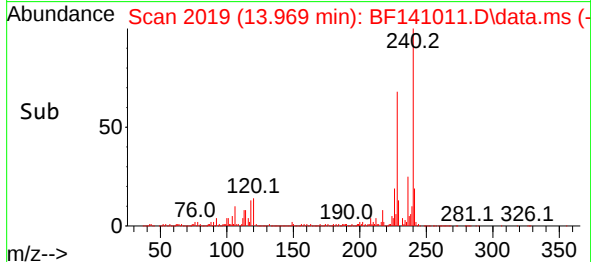
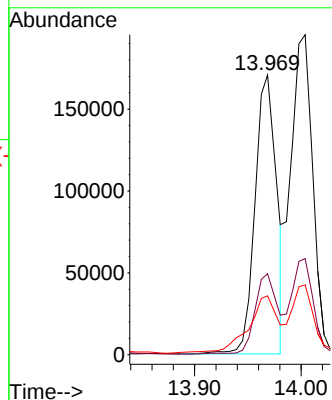
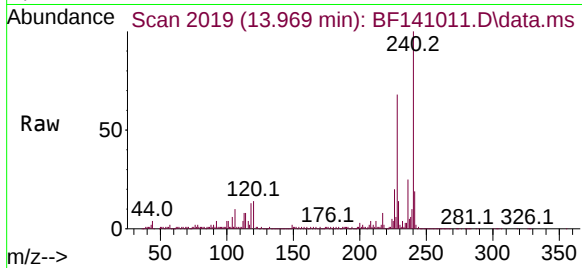




#81
Benzo(a)anthracene
Concen: 6.525 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

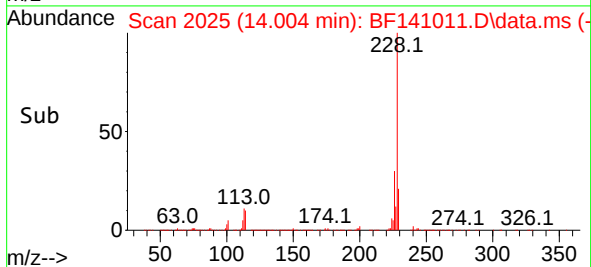
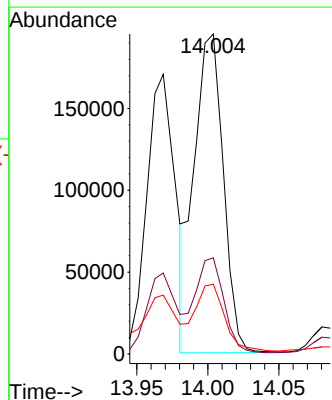
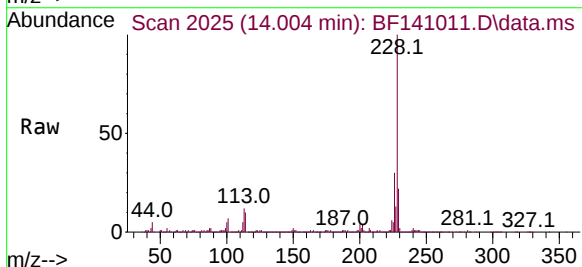
Instrument :
BNA_F
ClientSampleId :
VNJ281RE

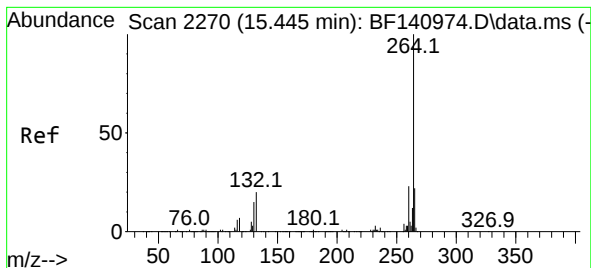
Tgt Ion:228 Resp: 238530
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 21.1 16.2 24.2



#83
Chrysene
Concen: 8.449 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:228 Resp: 278427
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 21.8 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

VNJ281RE

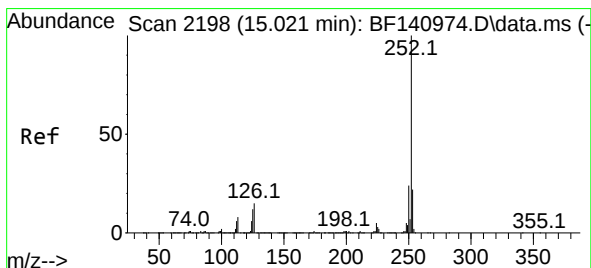
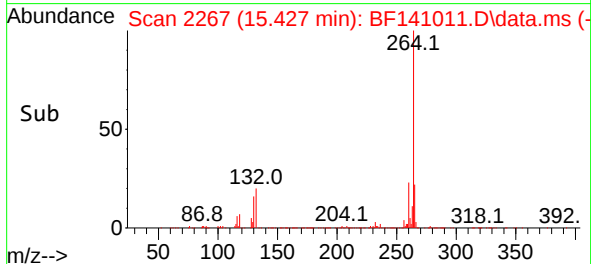
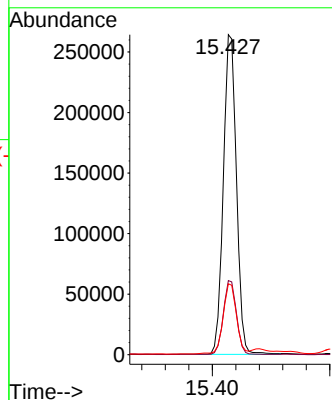
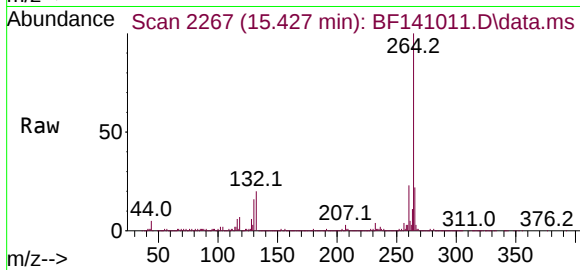
Tgt Ion:264 Resp: 408875

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.1 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 12.605 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

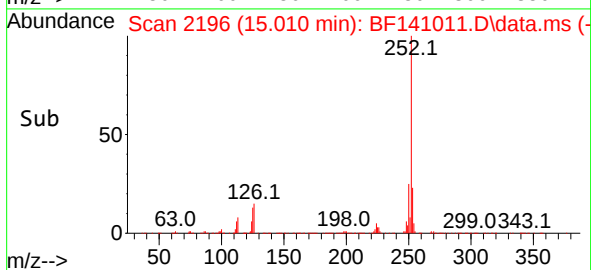
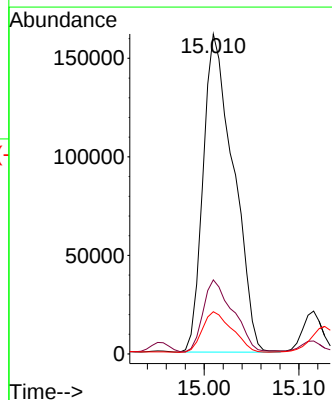
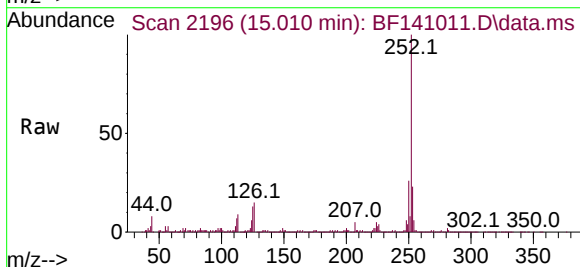
Tgt Ion:252 Resp: 359453

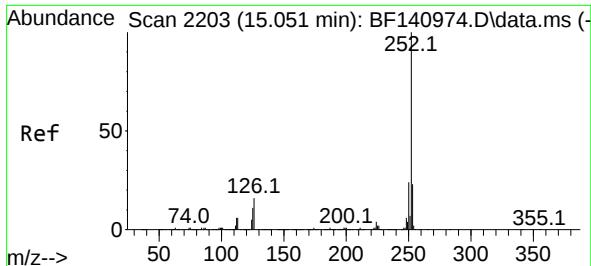
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 13.2 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 16.083 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.041 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

VNJ281RE

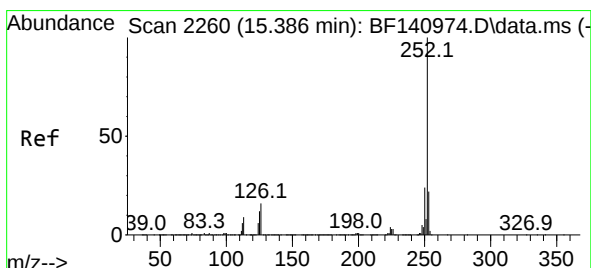
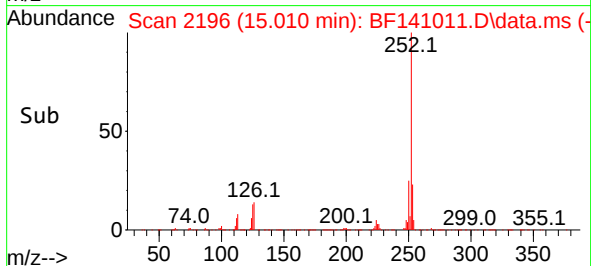
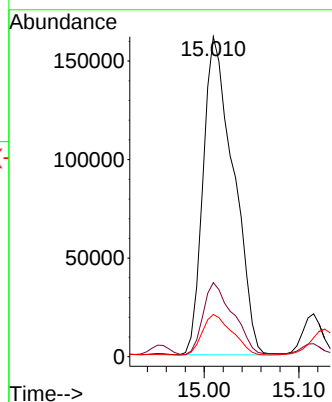
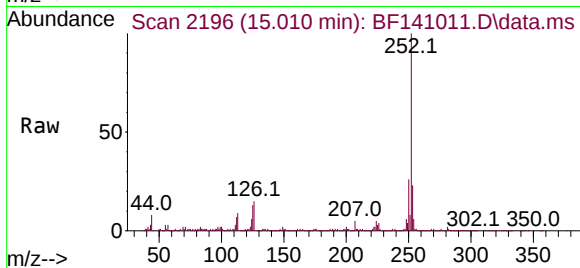
Tgt Ion:252 Resp: 359453

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 13.2 9.4 14.0



#90

Benzo(a)pyrene

Concen: 7.590 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.018 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

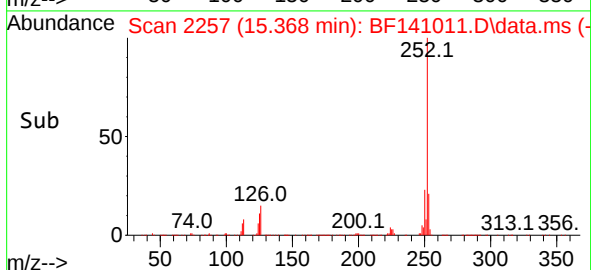
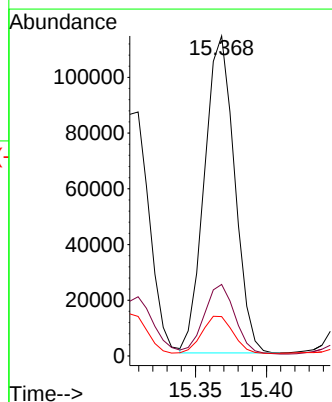
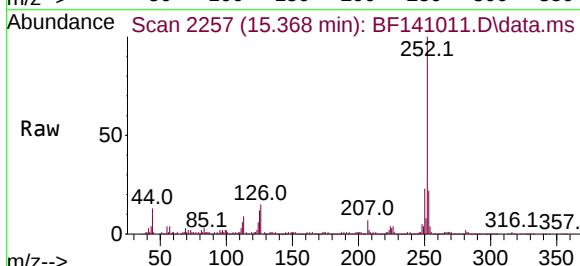
Tgt Ion:252 Resp: 167995

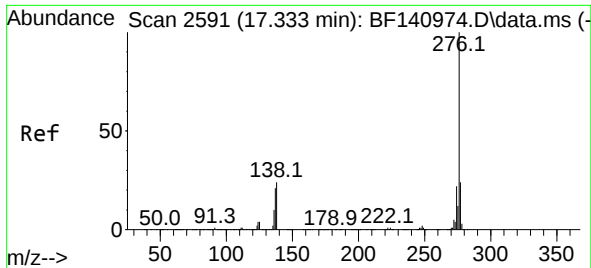
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

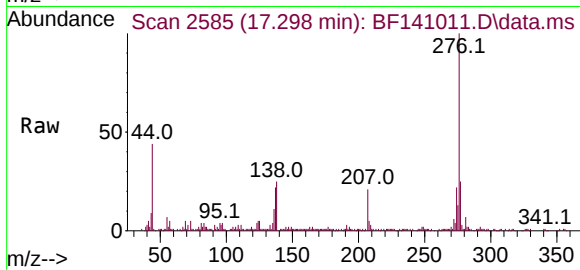
125 12.3 9.8 14.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.205 ng
 RT: 17.298 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141011.D
 Acq: 27 Dec 2024 21:43

Instrument :
 BNA_F
 ClientSampleId :
 VNJ281RE



Tgt Ion:	276	Resp:	91069
Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	25.1	19.4	29.2

