

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141007.D
 Acq On : 27 Dec 2024 19:58
 Operator : RC/JU
 Sample : P5382-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Dec 27 22:21:20 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)

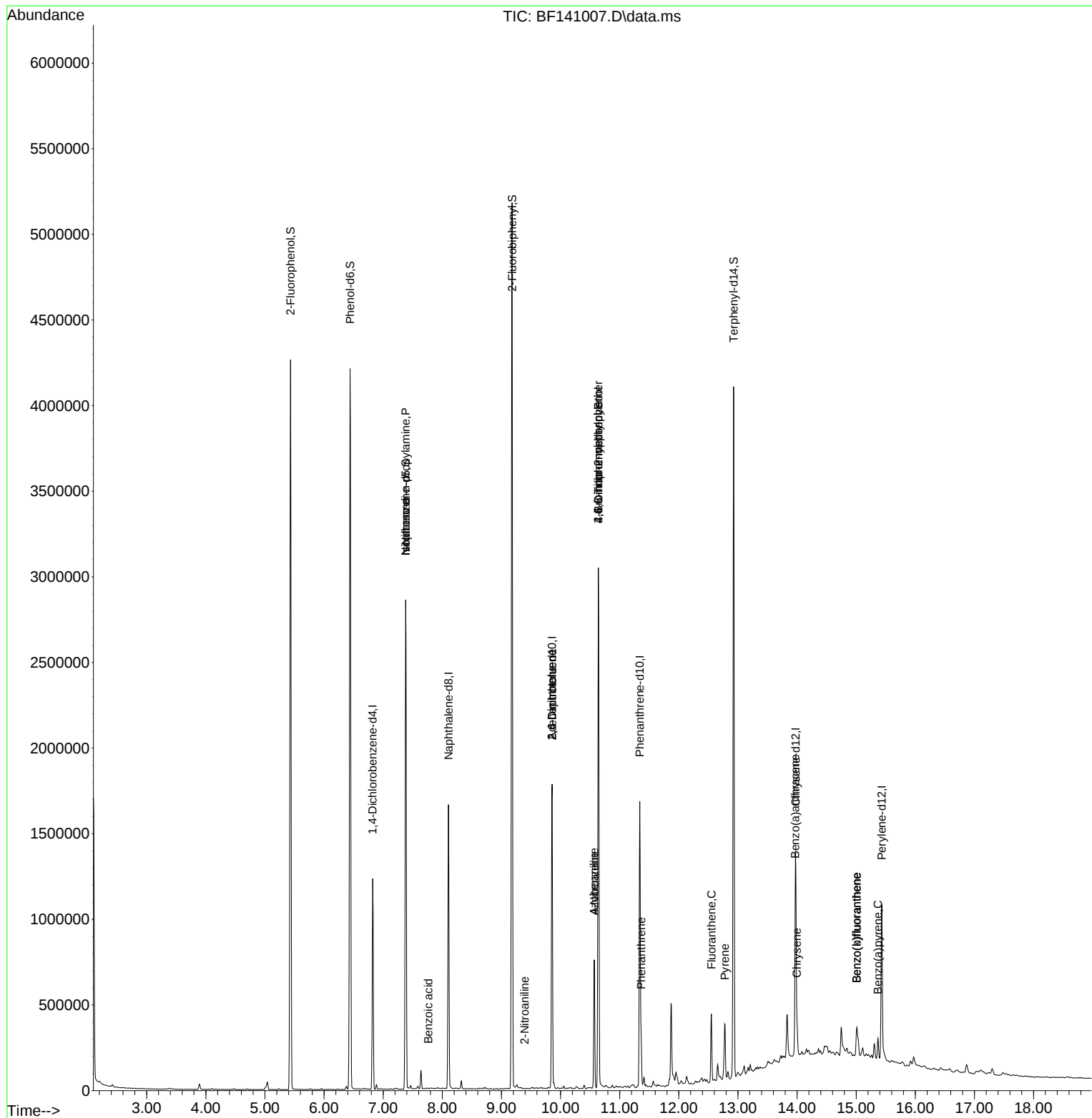
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	251588	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	996554	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	526548	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	804705	20.000	ng	0.00
76) Chrysene-d12	13.974	240	502976	20.000	ng	-0.01
86) Perylene-d12	15.433	264	505972	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1627005	97.481	ng	0.00
7) Phenol-d6	6.439	99	2086451	97.040	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1297392	83.291	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	518546	101.348	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	2275994	68.867	ng	0.00
79) Terphenyl-d14	12.927	244	1915517	63.257	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.369	77	730	Below Cal	#	76
19) n-Nitroso-di-n-propyla...	7.381	70	173545	13.175	ng	# 81
25) Isophorone	7.381	82	1286546	37.956	ng	# 65
32) Benzoic acid	7.763	122	269	7.715	ng	83
48) 2-Nitroaniline	9.392	65	260	4.673	ng	# 6
51) 2,6-Dinitrotoluene	9.857	165	69472	12.741	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	69530	11.790	ng	# 21
62) 4-Nitroaniline	10.569	138	57	3.353	ng	# 17
63) Azobenzene	10.569	77	183218	5.105	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.639	198	1216	9.649	ng	# 1
67) 4-Bromophenyl-phenylether	10.639	248	32266	3.709	ng	# 1
71) Phenanthrene	11.363	178	148631	3.509	ng	98
75) Fluoranthene	12.551	202	220704	4.805	ng	97
78) Pyrene	12.780	202	181359	4.123	ng	98
81) Benzo(a)anthracene	13.968	228	104209	2.973	ng	98
83) Chrysene	13.998	228	79533	2.517	ng	97
88) Benzo(b)fluoranthene	15.009	252	143969	4.080	ng	# 97
89) Benzo(k)fluoranthene	15.009	252	143969	5.205	ng	# 97
90) Benzo(a)pyrene	15.368	252	70867	2.587	ng	# 95

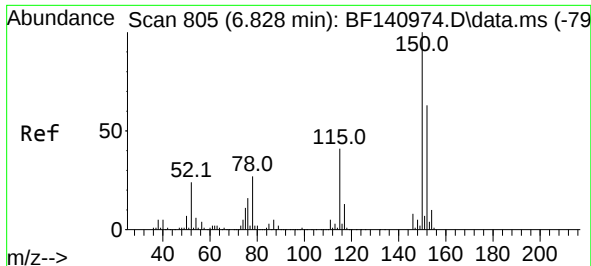
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141007.D
Acq On : 27 Dec 2024 19:58
Operator : RC/JU
Sample : P5382-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Dec 27 22:21:20 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

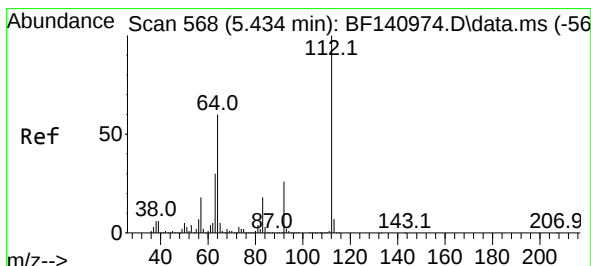
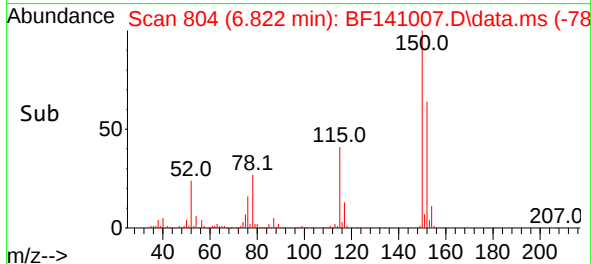
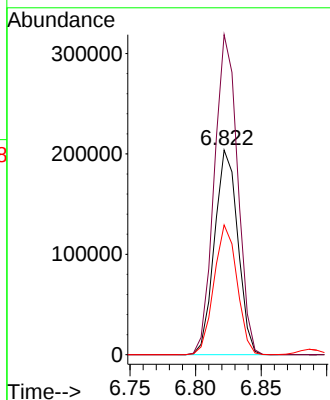
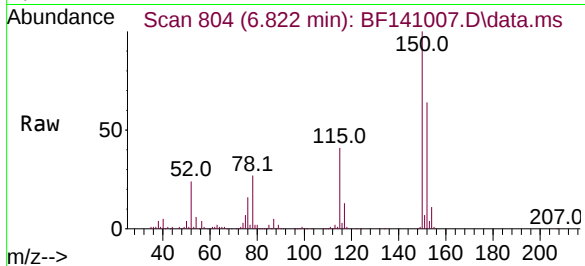




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BF141007.D
 Acq: 27 Dec 2024 19:58

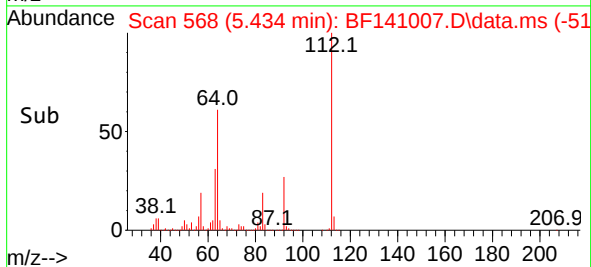
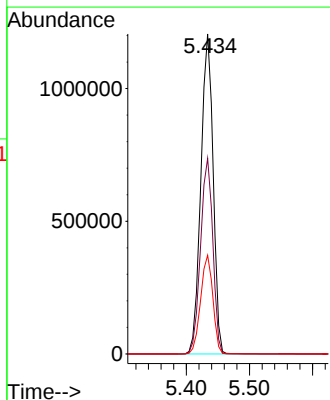
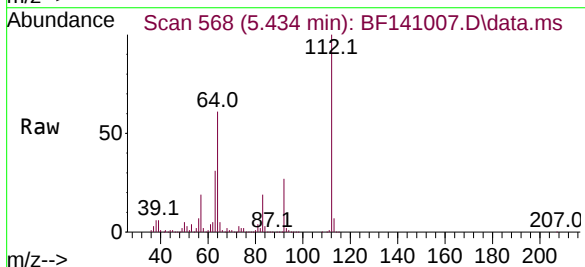
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:152 Resp: 251588
 Ion Ratio Lower Upper
 152 100
 150 156.4 127.0 190.6
 115 63.4 51.7 77.5



#5
 2-Fluorophenol
 Concen: 97.481 ng
 RT: 5.434 min Scan# 568
 Delta R.T. -0.000 min
 Lab File: BF141007.D
 Acq: 27 Dec 2024 19:58

Tgt Ion:112 Resp: 1627005
 Ion Ratio Lower Upper
 112 100
 64 61.1 47.7 71.5
 63 30.8 24.2 36.2

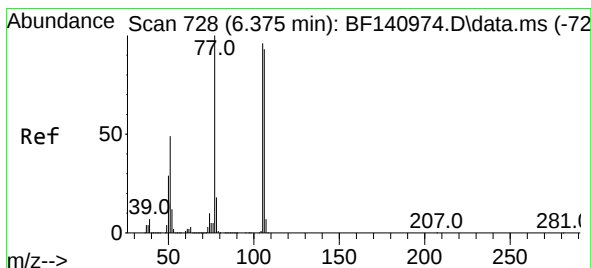
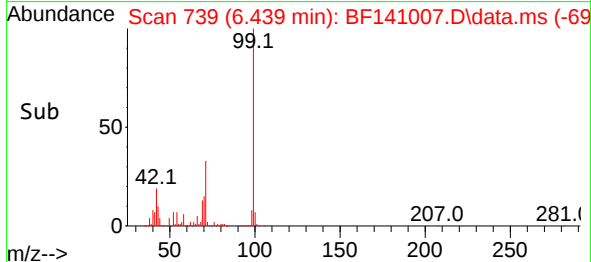
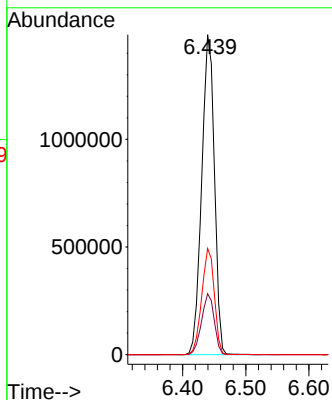
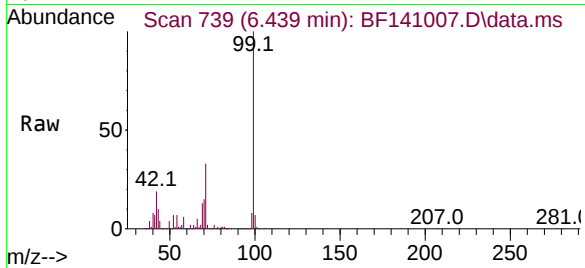




#7
Phenol-d6
Concen: 97.040 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

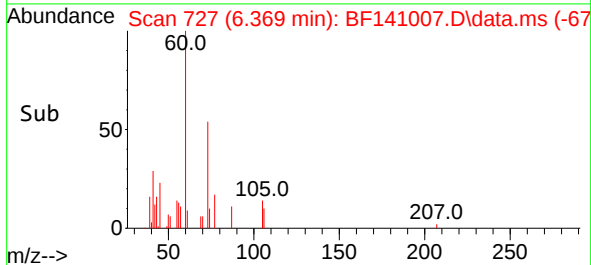
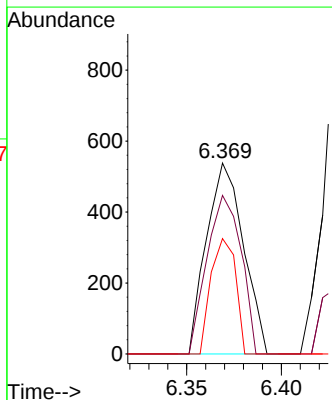
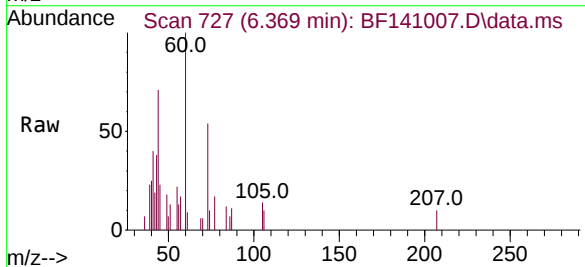
Instrument :
BNA_F
ClientSampleId :
COMP-2

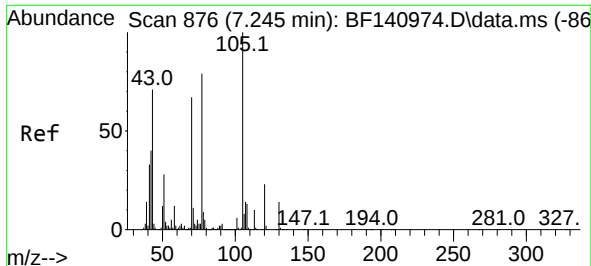
Tgt Ion: 99 Resp: 2086451
Ion Ratio Lower Upper
99 100
42 19.1 15.0 22.4
71 33.2 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion: 77 Resp: 730
Ion Ratio Lower Upper
77 100
105 83.1 76.2 116.2
106 60.4 73.4 113.4#

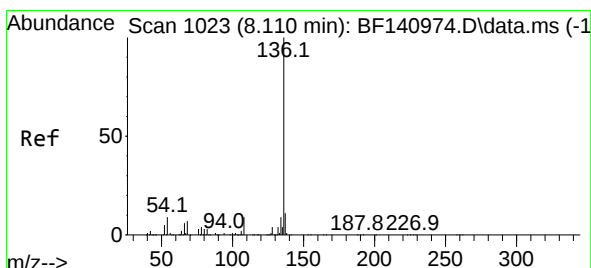
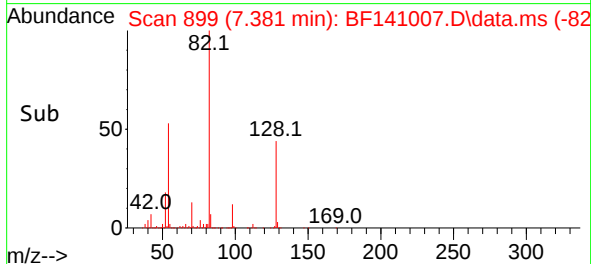
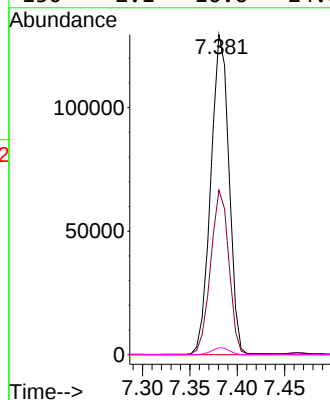
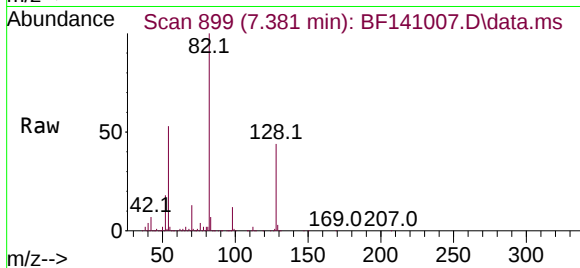




#19
n-Nitroso-di-n-propylamine
Concen: 13.175 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

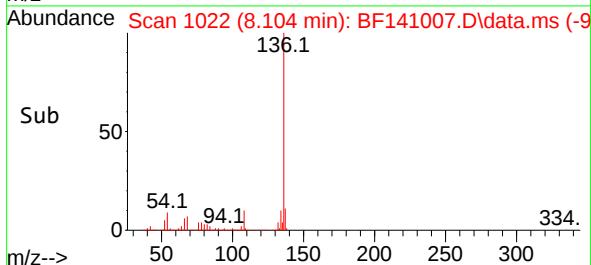
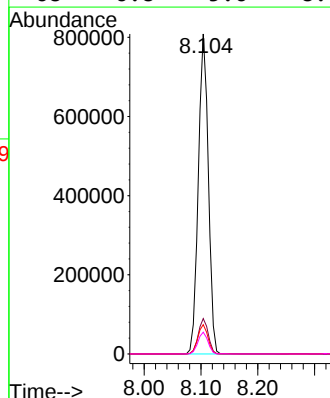
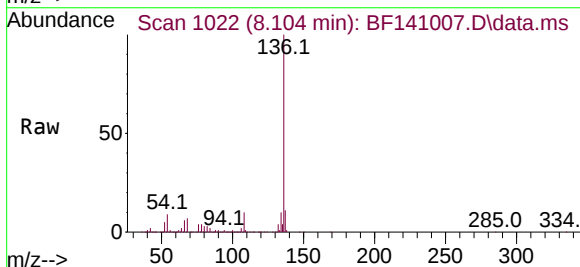
Instrument :
BNA_F
ClientSampleId :
COMP-2

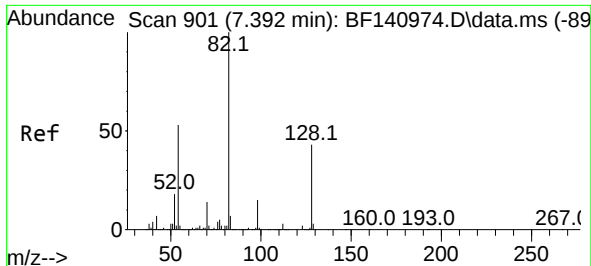
Tgt Ion: 70 Resp: 173545
Ion Ratio Lower Upper
70 100
42 51.4 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion: 136 Resp: 996554
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.2 7.6 11.4
68 6.8 5.6 8.4

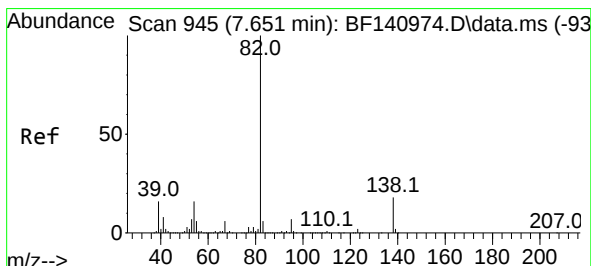
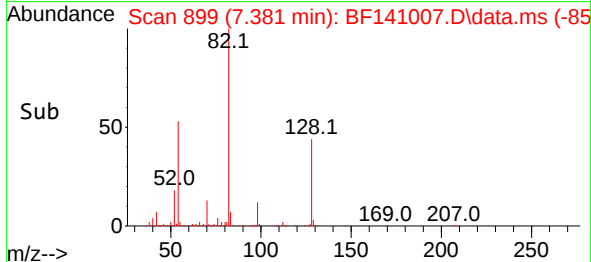
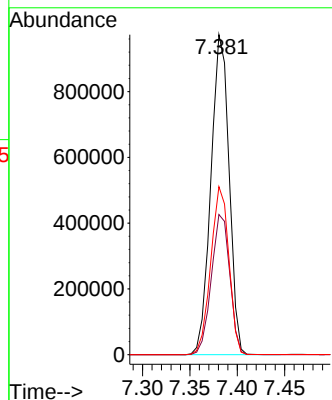
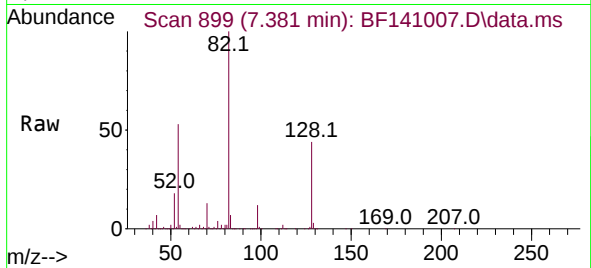




#23
Nitrobenzene-d5
Concen: 83.291 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

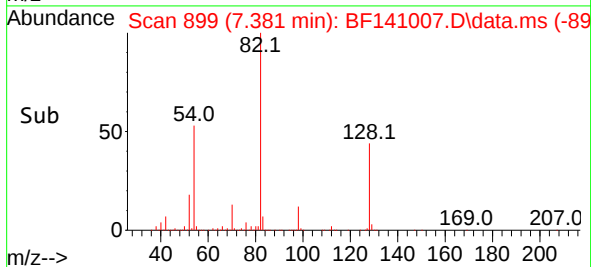
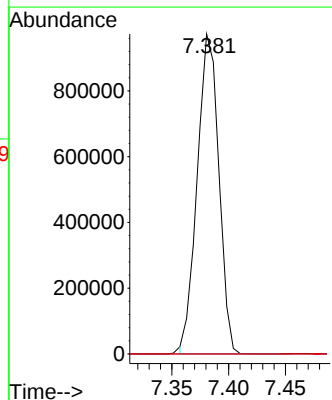
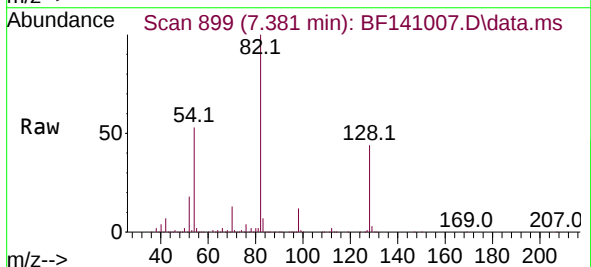
Instrument :
BNA_F
ClientSampleId :
COMP-2

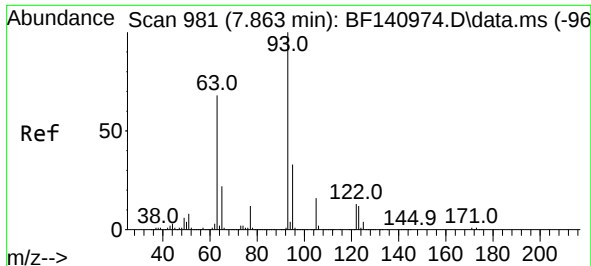
Tgt Ion: 82 Resp: 1297392
Ion Ratio Lower Upper
82 100
128 43.8 34.4 51.6
54 52.5 42.4 63.6



#25
Isophorone
Concen: 37.956 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion: 82 Resp: 1286546
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

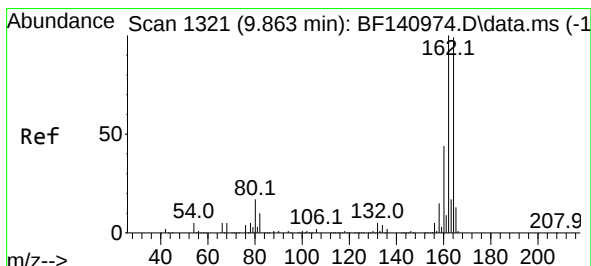
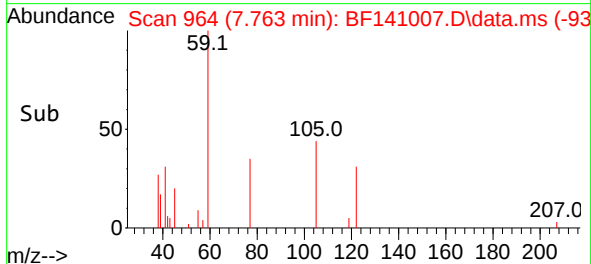
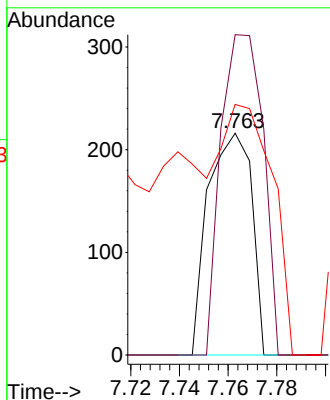
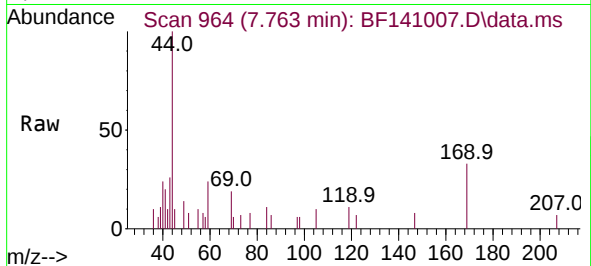




#32
Benzoic acid
Concen: 7.715 ng
RT: 7.763 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

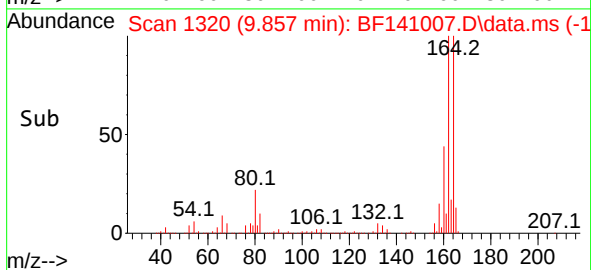
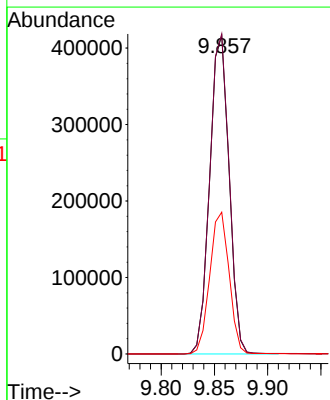
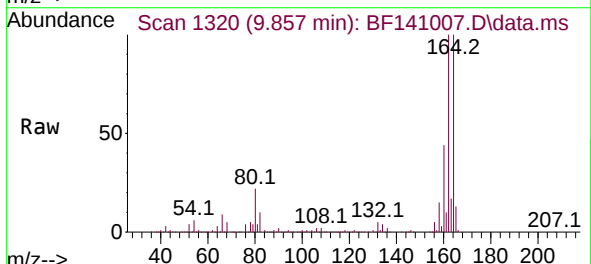
Instrument :
BNA_F
ClientSampleId :
COMP-2

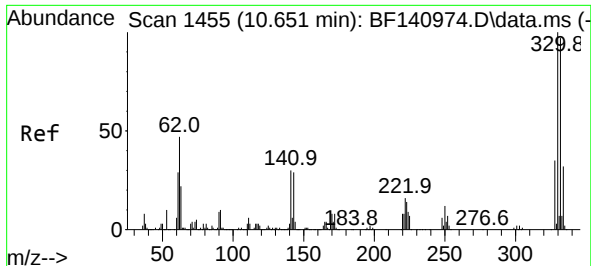
Tgt Ion:122 Resp: 269
Ion Ratio Lower Upper
122 100
105 144.4 105.4 145.4
77 113.0 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:164 Resp: 526548
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 44.5 35.7 53.5

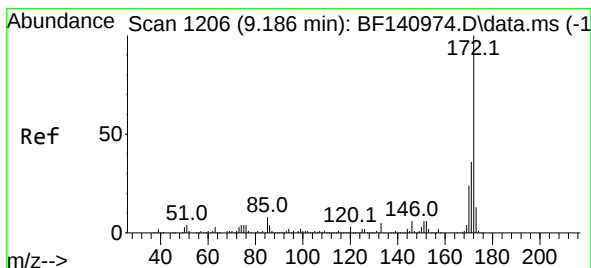
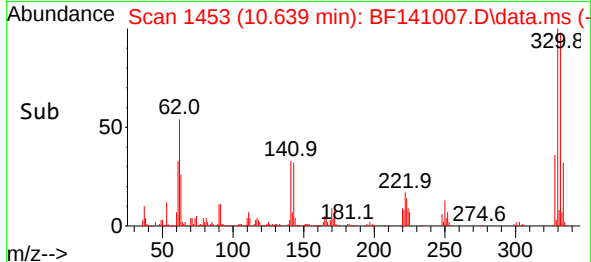
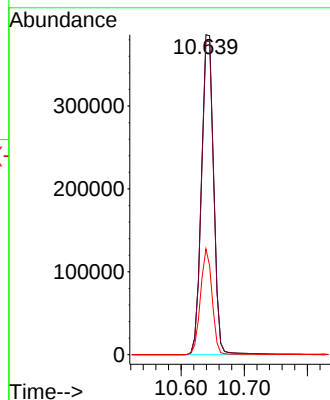
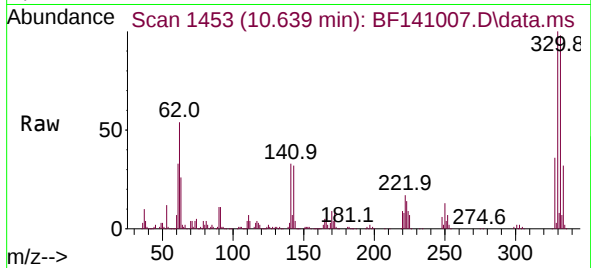




#42
2,4,6-Tribromophenol
Concen: 101.348 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

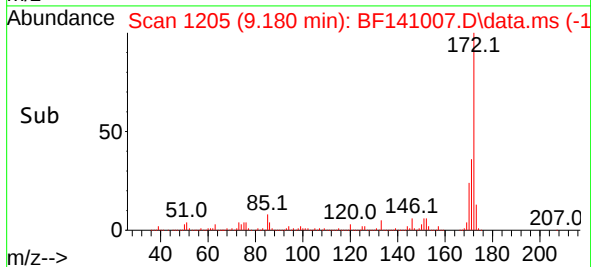
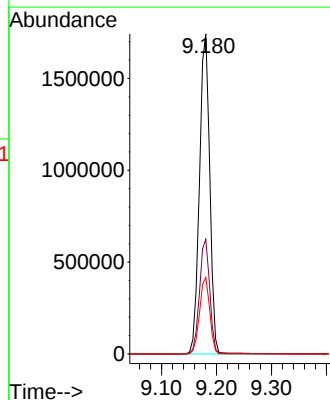
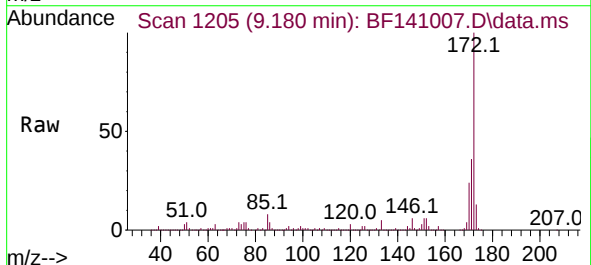
Instrument :
BNA_F
ClientSampleId :
COMP-2

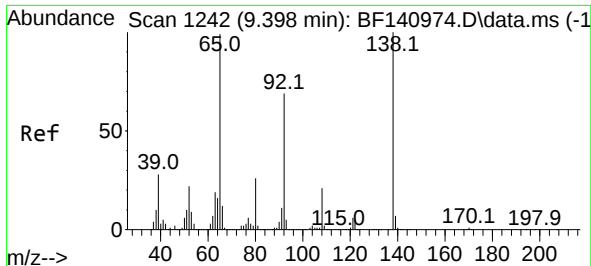
Tgt Ion:330 Resp: 518546
Ion Ratio Lower Upper
330 100
332 98.1 78.0 117.0
141 31.6 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 68.867 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:172 Resp: 2275994
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.9 19.6 29.4





#48

2-Nitroaniline

Concen: 4.673 ng

RT: 9.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

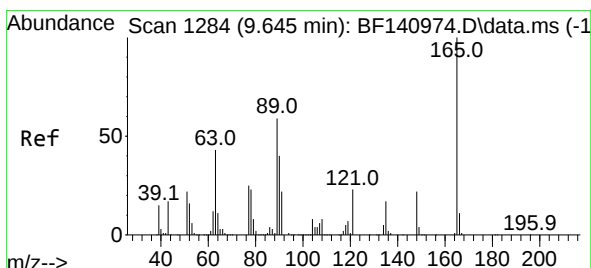
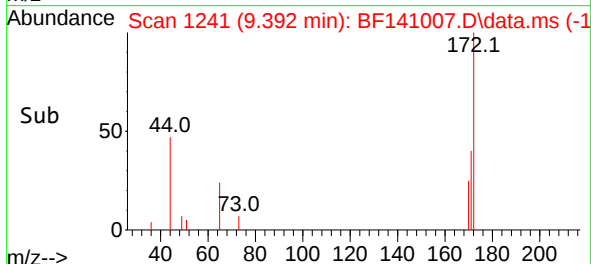
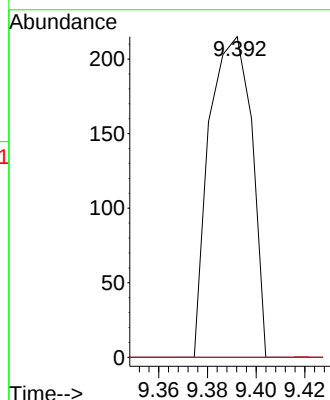
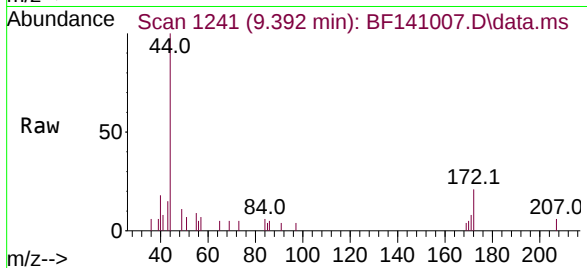
Tgt Ion: 65 Resp: 260

Ion Ratio Lower Upper

65 100

92 0.0 55.6 83.4#

138 0.0 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.741 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

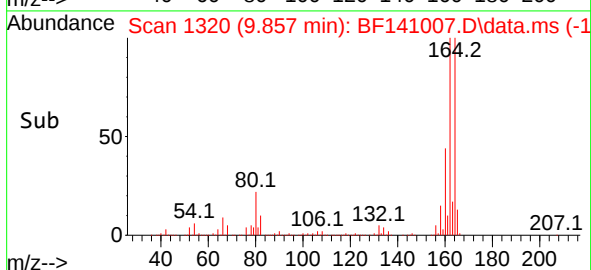
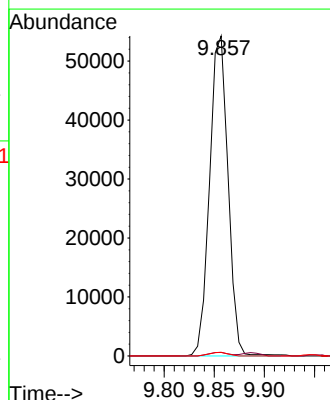
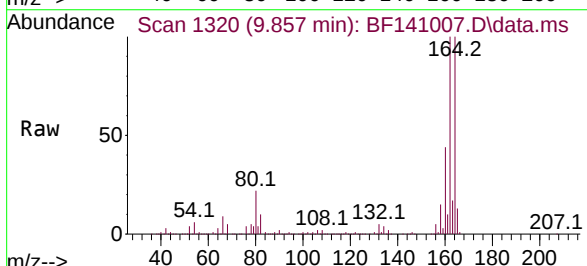
Tgt Ion:165 Resp: 69472

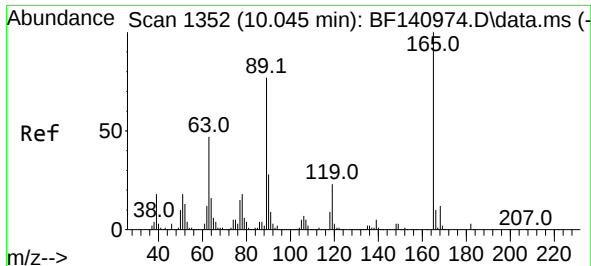
Ion Ratio Lower Upper

165 100

63 1.1 47.1 70.7#

89 1.1 47.0 70.4#

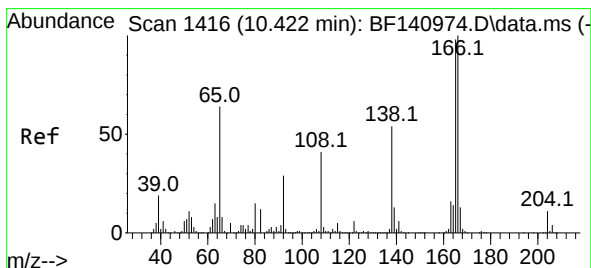
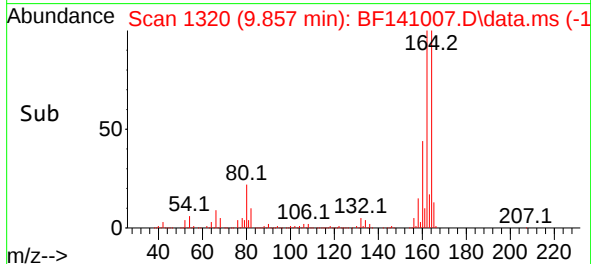
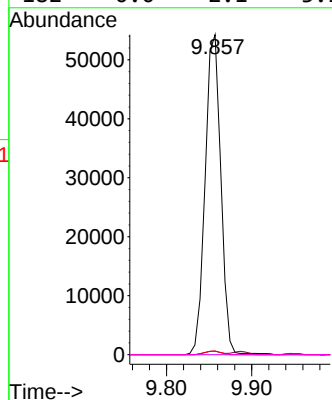
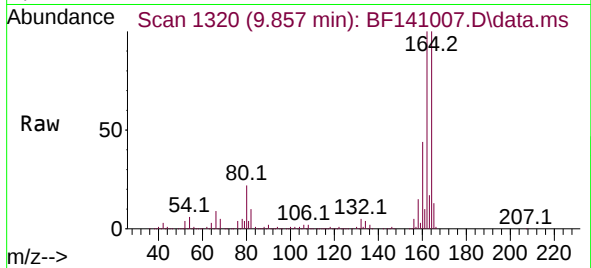




#57
2,4-Dinitrotoluene
Concen: 11.790 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

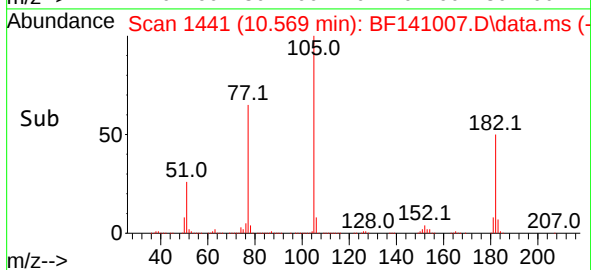
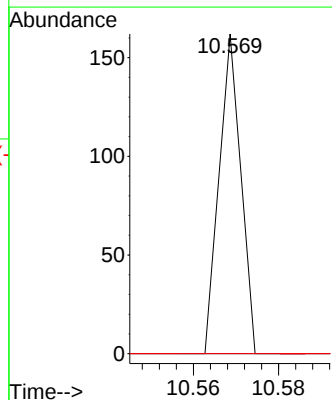
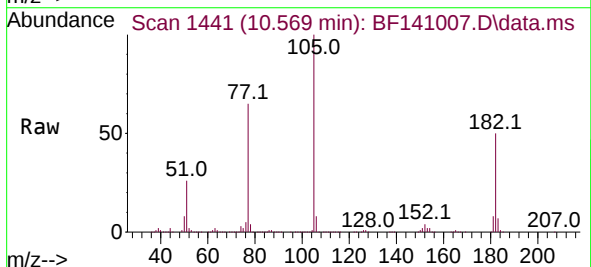
Instrument :
BNA_F
ClientSampleId :
COMP-2

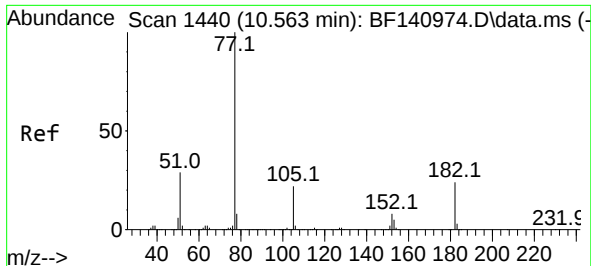
Tgt Ion:165 Resp: 69530
Ion Ratio Lower Upper
165 100
63 1.1 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.353 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.147 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 0.0 55.9 95.9#

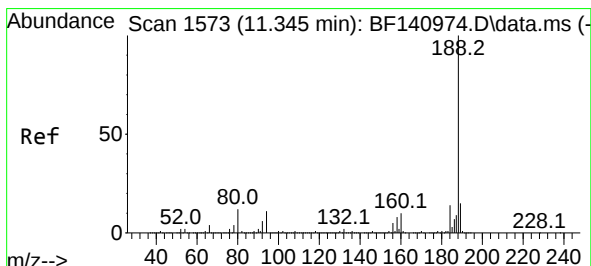
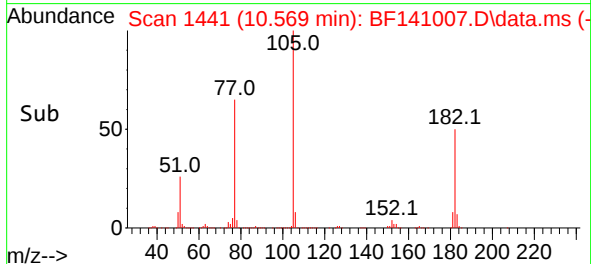
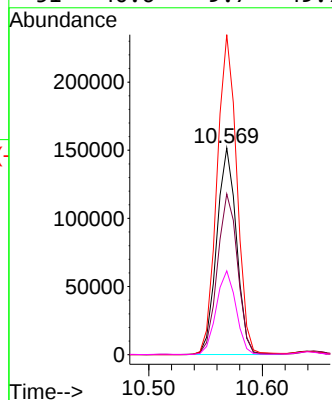
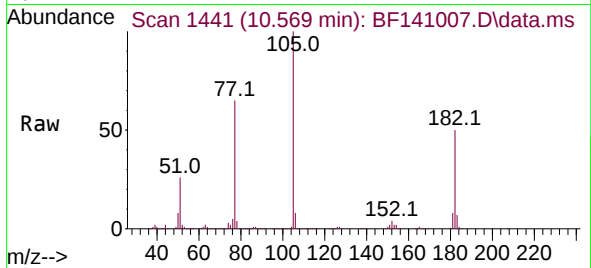




#63
Azobenzene
Concen: 5.105 ng
RT: 10.569 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

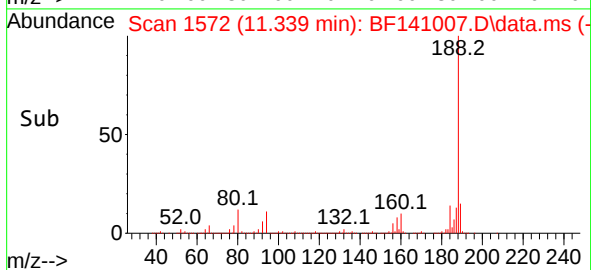
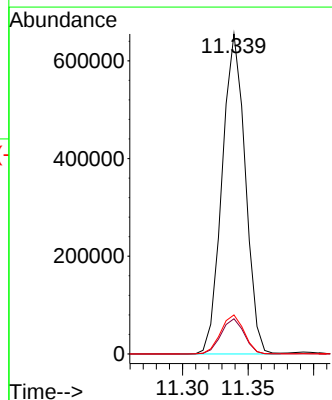
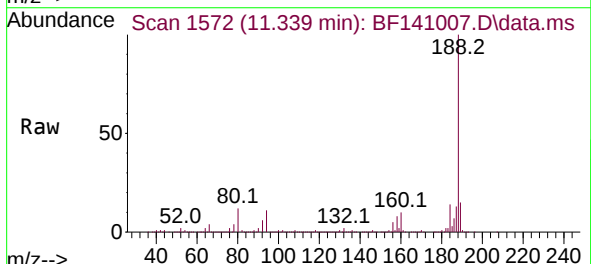
Instrument :
BNA_F
ClientSampleId :
COMP-2

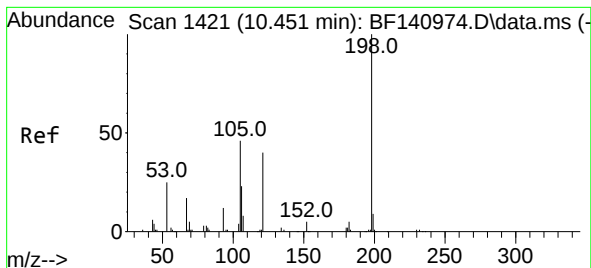
Tgt Ion: 77 Resp: 183218
Ion Ratio Lower Upper
77 100
182 77.8 4.1 44.1#
105 154.7 1.8 41.8#
51 40.6 9.7 49.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion: 188 Resp: 804705
Ion Ratio Lower Upper
188 100
94 11.0 9.0 13.6
80 12.2 9.8 14.6

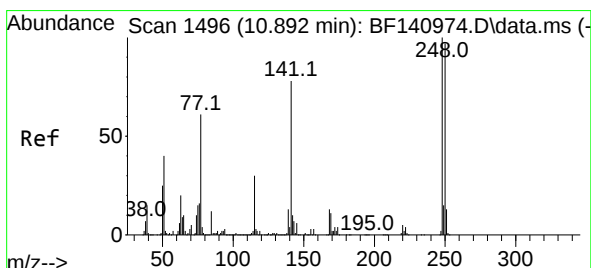
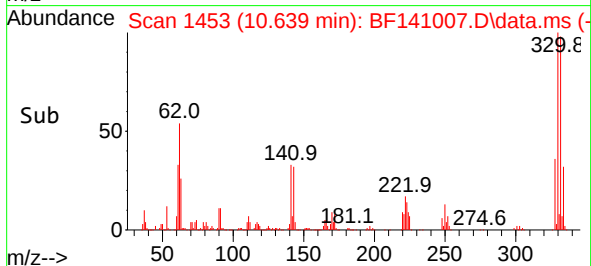
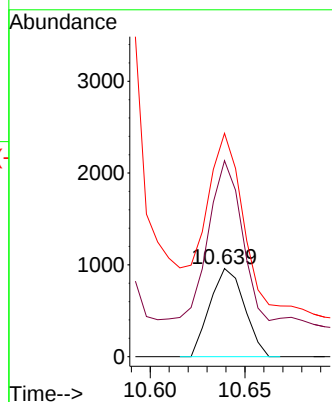
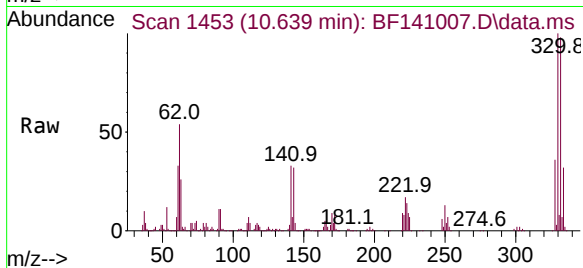




#65
4,6-Dinitro-2-methylphenol
Concen: 9.649 ng
RT: 10.639 min Scan# 1421
Delta R.T. 0.188 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

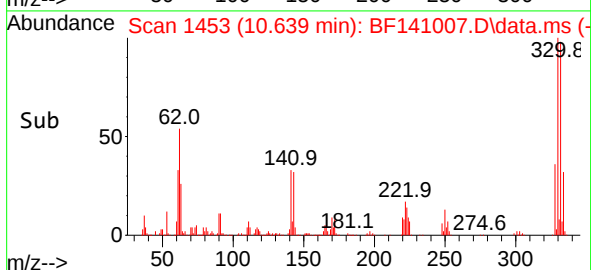
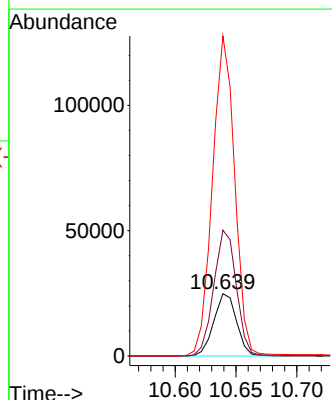
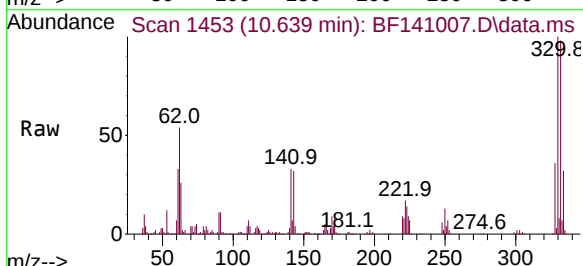
Instrument :
BNA_F
ClientSampleId :
COMP-2

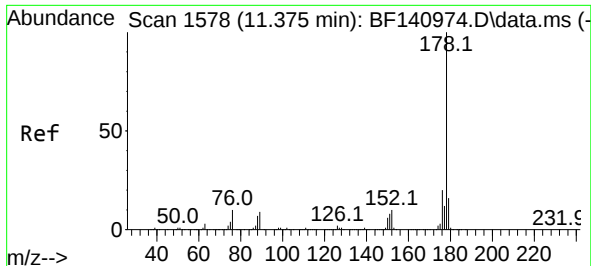
Tgt Ion:198 Resp: 1216
Ion Ratio Lower Upper
198 100
51 222.4 32.3 72.3#
105 253.5 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 3.709 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:248 Resp: 32266
Ion Ratio Lower Upper
248 100
250 202.1 77.7 116.5#
141 514.1 62.1 93.1#

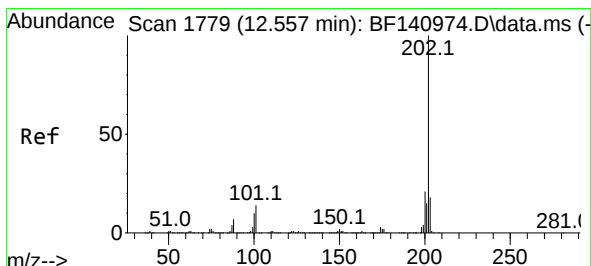
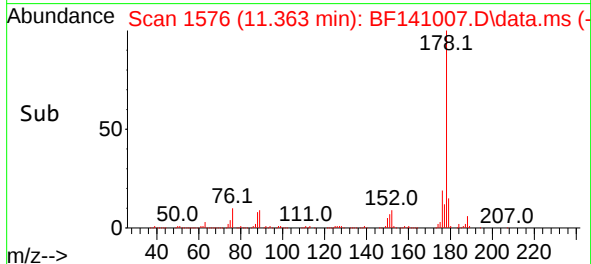
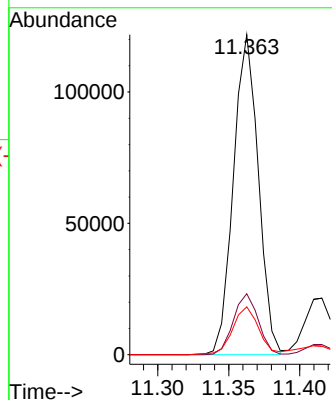
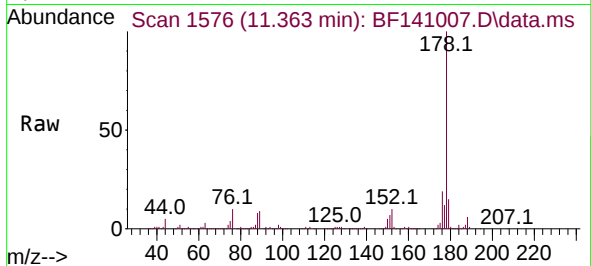




#71
Phenanthrene
Concen: 3.509 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

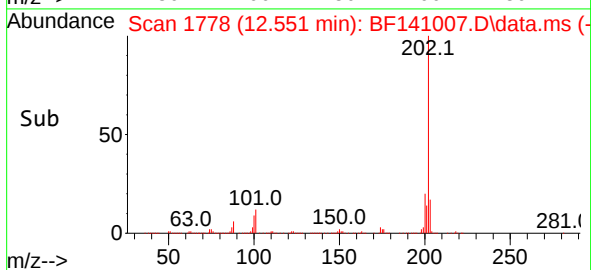
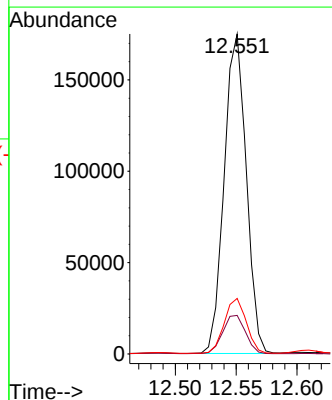
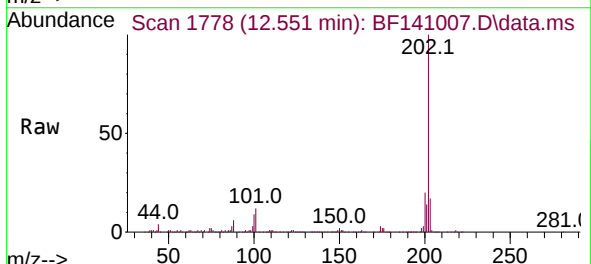
Instrument :
BNA_F
ClientSampleId :
COMP-2

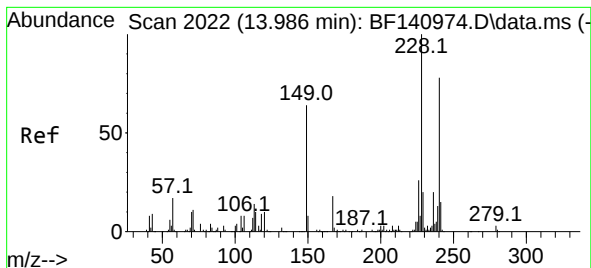
Tgt Ion:178 Resp: 148631
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.0 12.6 19.0



#75
Fluoranthene
Concen: 4.805 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:202 Resp: 220704
Ion Ratio Lower Upper
202 100
101 12.1 0.0 33.7
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

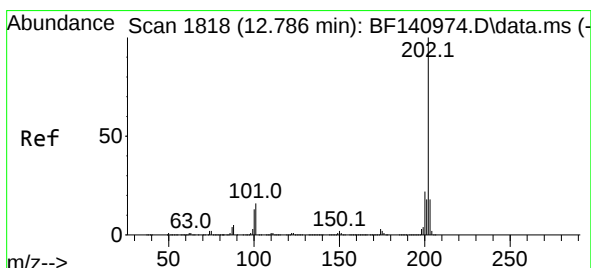
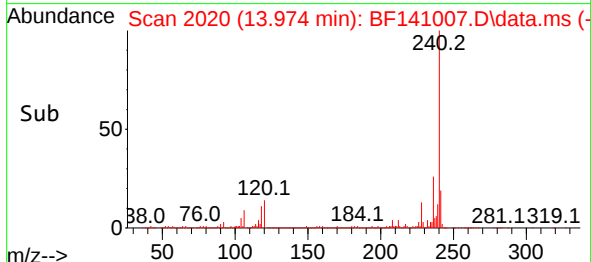
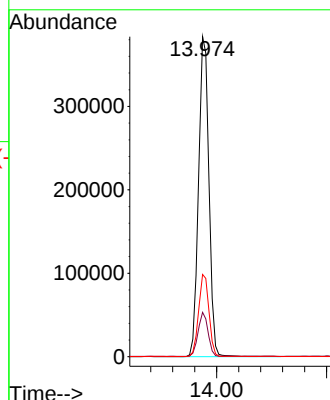
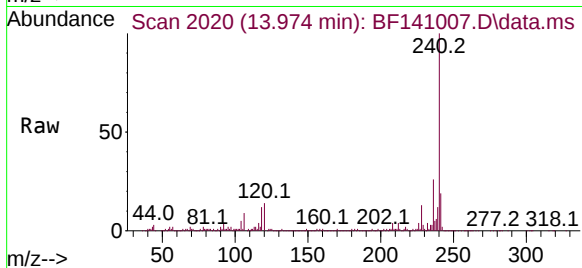
Tgt Ion:240 Resp: 502976

Ion Ratio Lower Upper

240 100

120 13.8 10.7 16.1

236 25.7 20.6 31.0



#78

Pyrene

Concen: 4.123 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

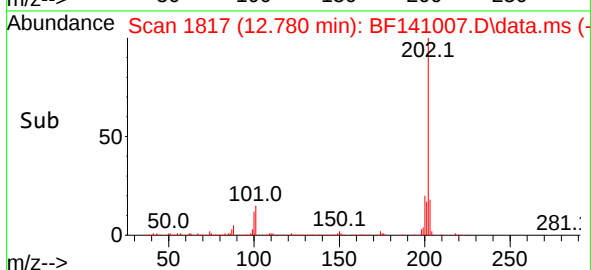
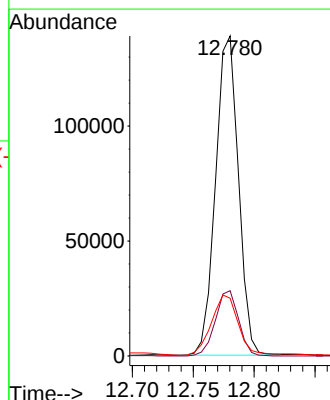
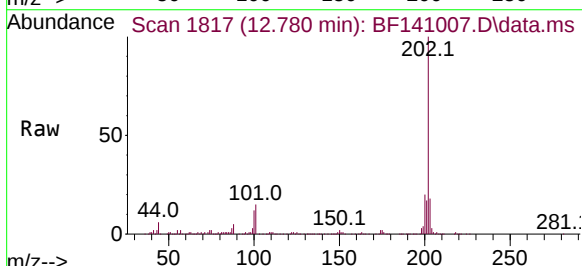
Tgt Ion:202 Resp: 181359

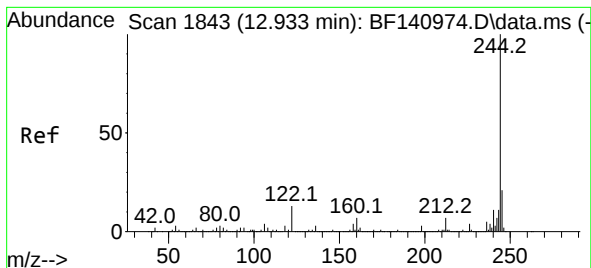
Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 63.257 ng

RT: 12.927 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

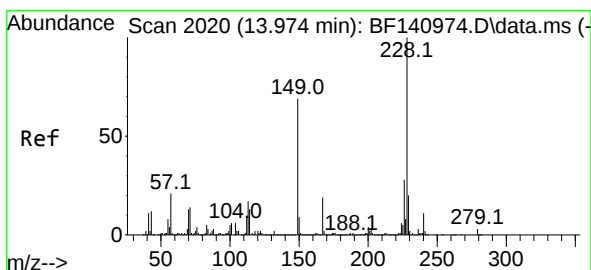
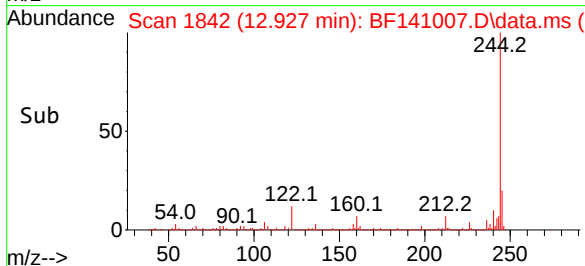
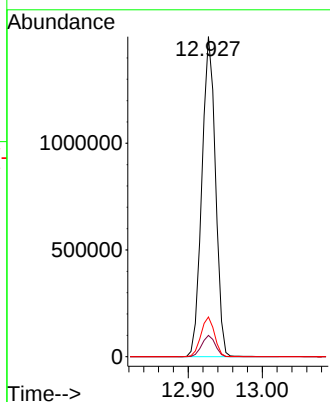
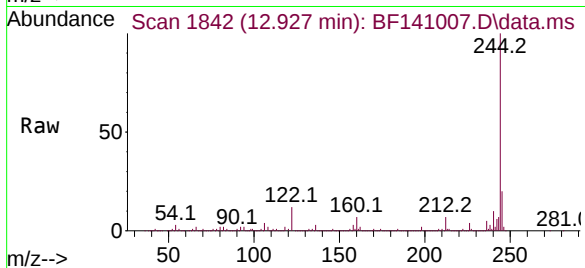
Tgt Ion:244 Resp: 1915517

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 12.4 10.2 15.2



#81

Benzo(a)anthracene

Concen: 2.973 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

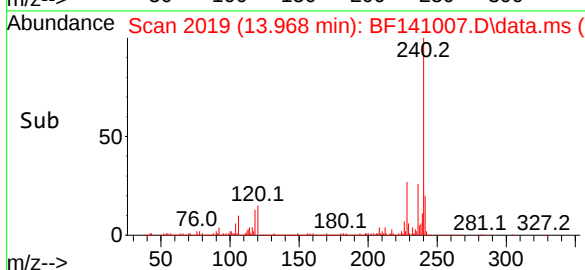
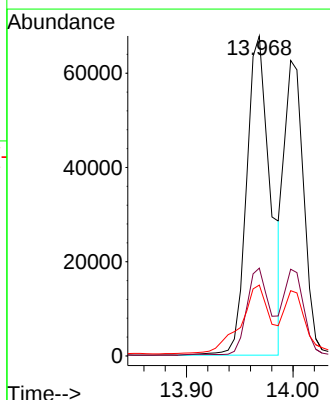
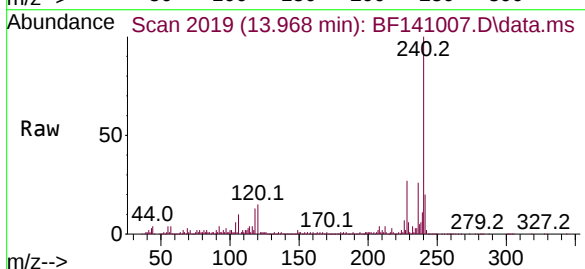
Tgt Ion:228 Resp: 104209

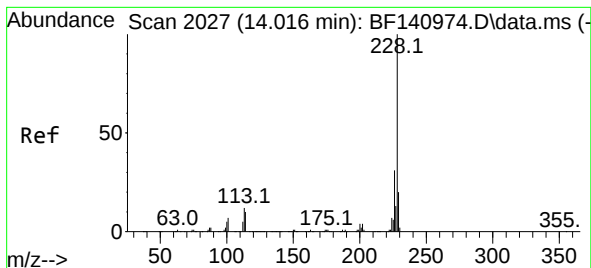
Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 22.2 16.2 24.2





#83

Chrysene

Concen: 2.517 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

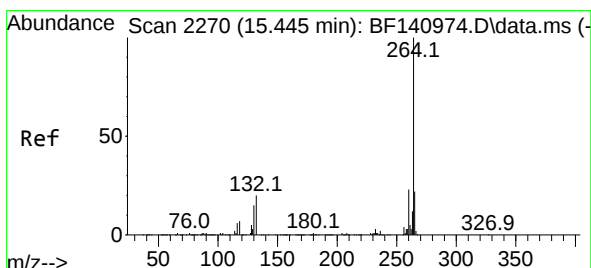
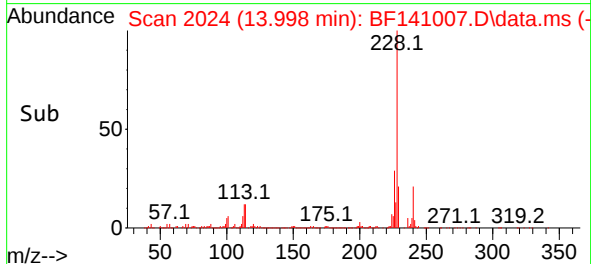
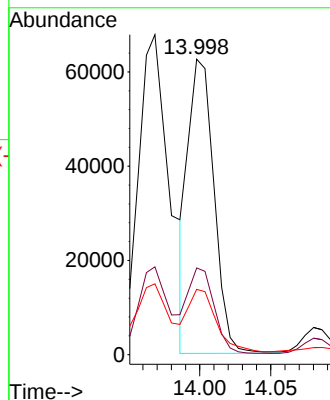
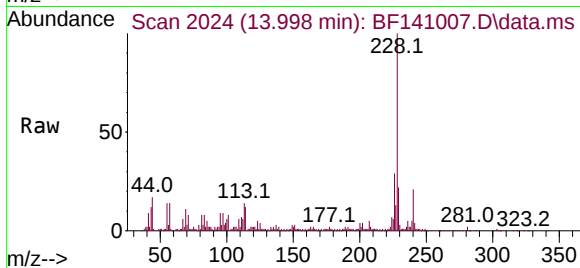
Tgt Ion:228 Resp: 79533

Ion Ratio Lower Upper

228 100

226 29.3 24.5 36.7

229 22.1 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

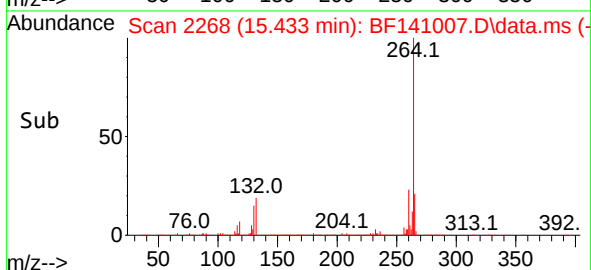
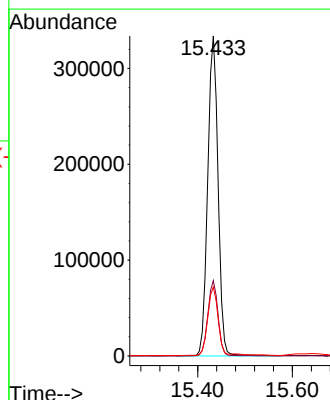
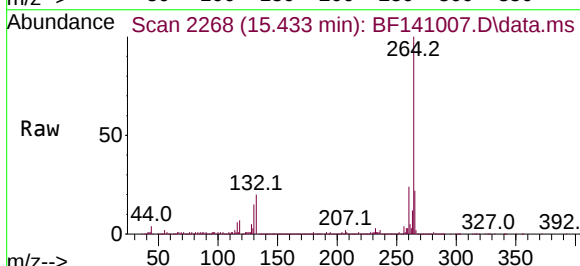
Tgt Ion:264 Resp: 505972

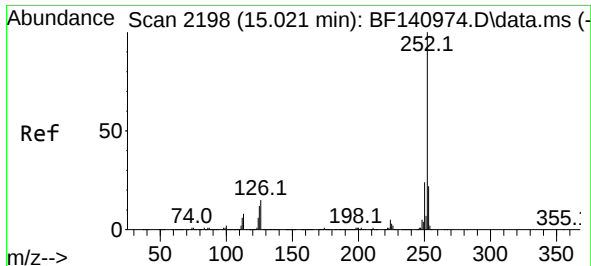
Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.6 17.4 26.2

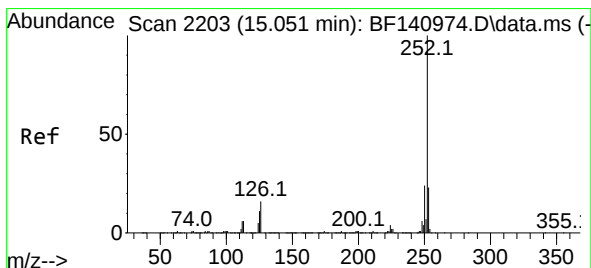
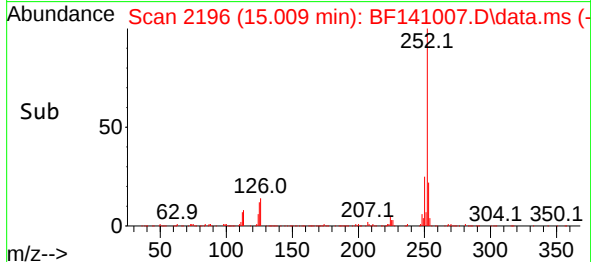
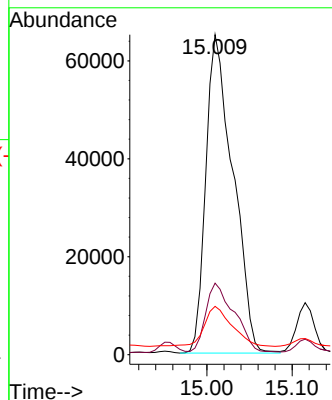
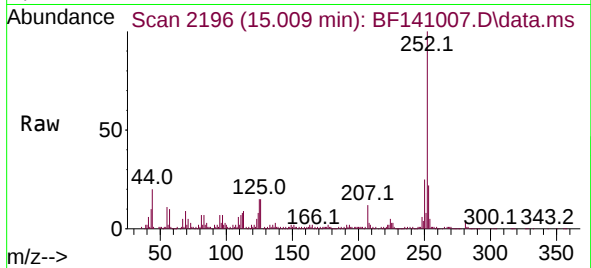




#88
Benzo(b)fluoranthene
Concen: 4.080 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

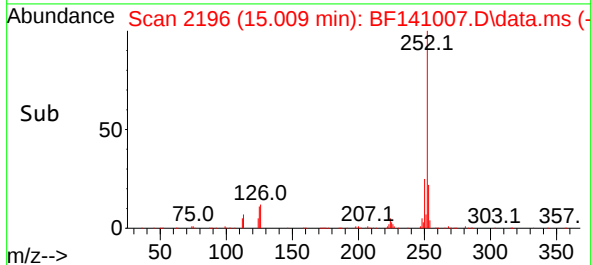
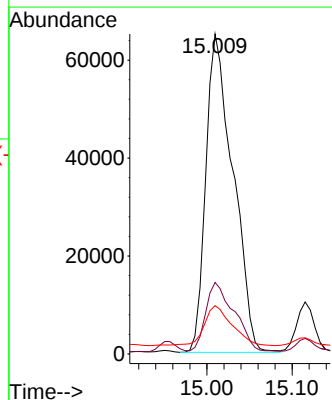
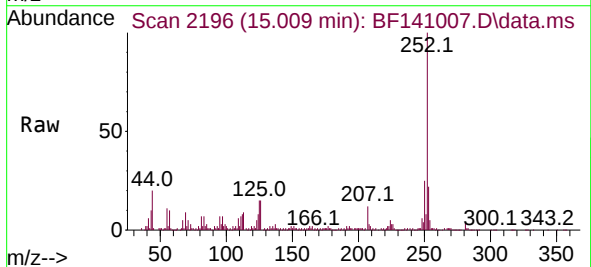
Instrument :
BNA_F
ClientSampleId :
COMP-2

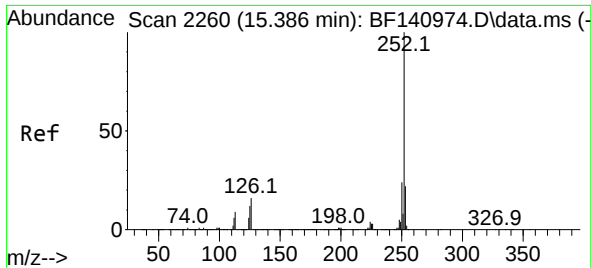
Tgt Ion:252 Resp: 143969
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 15.1 9.3 13.9#



#89
Benzo(k)fluoranthene
Concen: 5.205 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

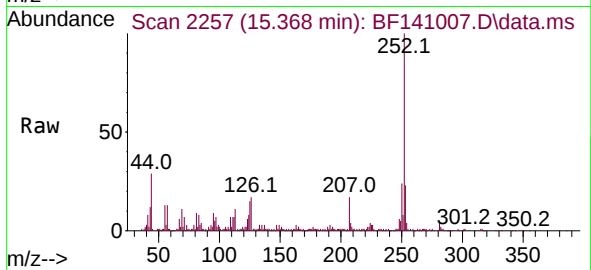
Tgt Ion:252 Resp: 143969
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 15.1 9.4 14.0#





#90
Benzo(a)pyrene
Concen: 2.587 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:252 Resp: 70867
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 15.4 9.8 14.8#

