

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143354.D
 Acq On : 12 Aug 2025 15:33
 Operator : RC/JU
 Sample : Q2807-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5

Quant Time: Aug 12 16:28:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

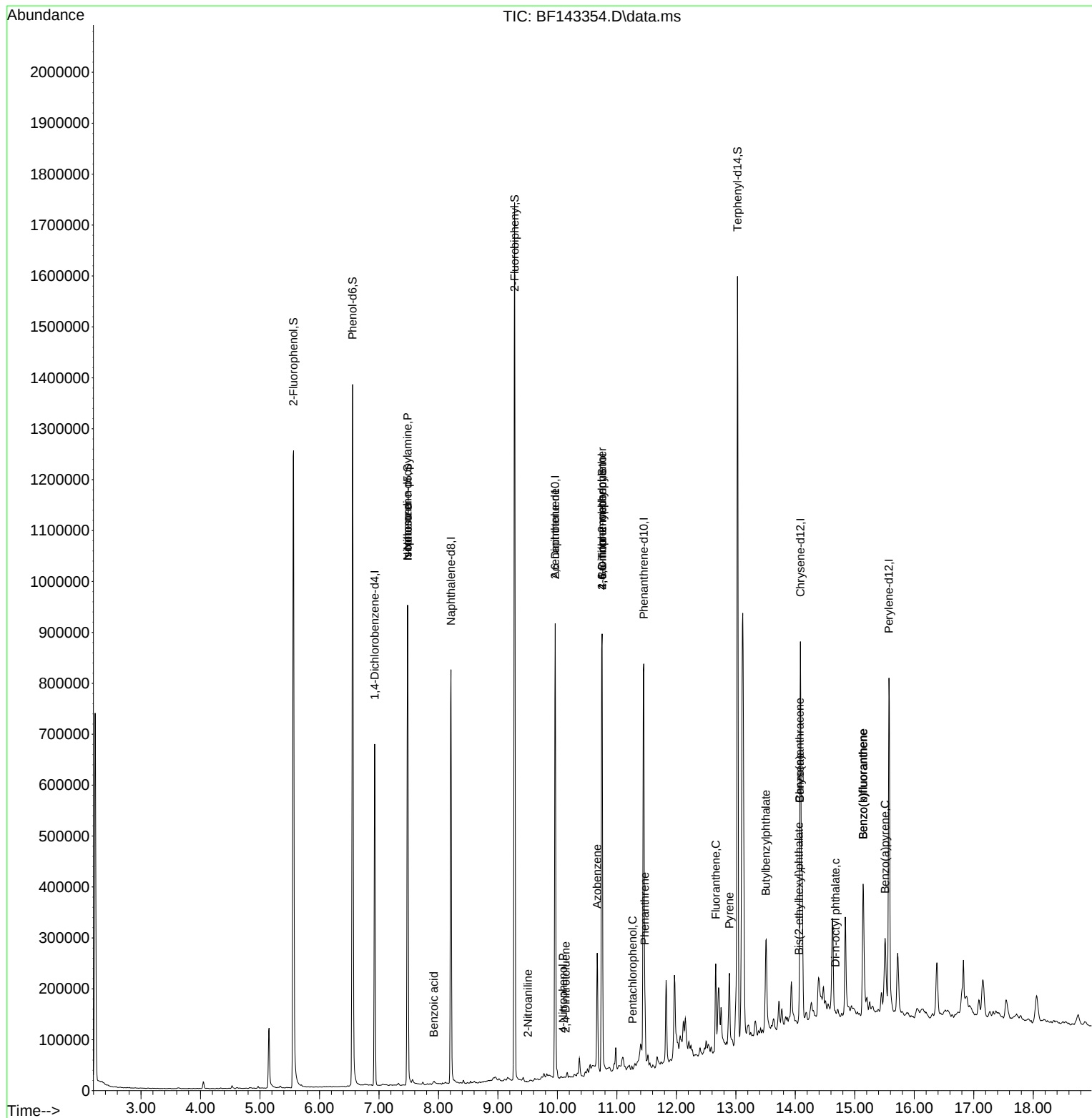
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	133341	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	496028	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	252686	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	396419	20.000	ng	0.00
76) Chrysene-d12	14.086	240	326252	20.000	ng	0.00
86) Perylene-d12	15.574	264	388136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	500259	64.877	ng	0.00
7) Phenol-d6	6.557	99	628828	63.594	ng	0.00
23) Nitrobenzene-d5	7.481	82	392684	49.299	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	142044	76.918	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	729304	48.943	ng	0.00
79) Terphenyl-d14	13.027	244	708125	38.750	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	53349	8.732	ng	# 83
25) Isophorone	7.481	82	377688	23.227	ng	# 65
32) Benzoic acid	7.922	122	1839	4.225	ng	# 87
48) 2-Nitroaniline	9.504	65	235	2.820	ng	# 6
51) 2,6-Dinitrotoluene	9.963	165	32771	13.968	ng	# 21
56) 4-Nitrophenol	10.092	139	539	5.684	ng	# 68
57) 2,4-Dinitrotoluene	10.139	165	1143	3.302	ng	# 87
63) Azobenzene	10.669	77	56831	3.762	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.751	198	223	7.379	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	9190	2.027	ng	# 1
70) Pentachlorophenol	11.263	266	54	5.943	ng	# 35
71) Phenanthrene	11.469	178	61468	2.842	ng	99
75) Fluoranthene	12.663	202	91709	4.841	ng	99
78) Pyrene	12.892	202	82177	3.003	ng	99
80) Butylbenzylphthalate	13.504	149	1202	3.557	ng	# 68
81) Benzo(a)anthracene	14.074	228	49780	2.401	ng	99
83) Chrysene	14.074	228	49780	2.575	ng	96
84) Bis(2-ethylhexyl)phtha...	14.063	149	5347	4.606	ng	# 84
85) Di-n-octyl phthalate	14.674	149	1029	6.081	ng	# 70
88) Benzo(b)fluoranthene	15.139	252	76811	3.618	ng	# 95
89) Benzo(k)fluoranthene	15.139	252	76811	3.724	ng	# 95
90) Benzo(a)pyrene	15.510	252	43661	2.184	ng	# 96

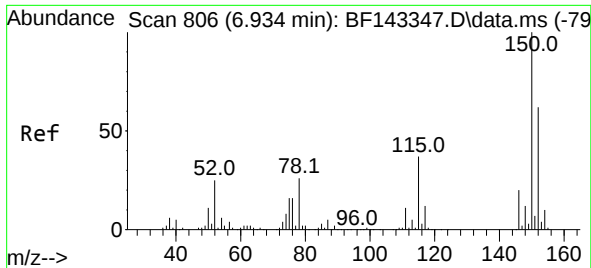
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143354.D
Acq On : 12 Aug 2025 15:33
Operator : RC/JU
Sample : Q2807-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-5

Quant Time: Aug 12 16:28:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

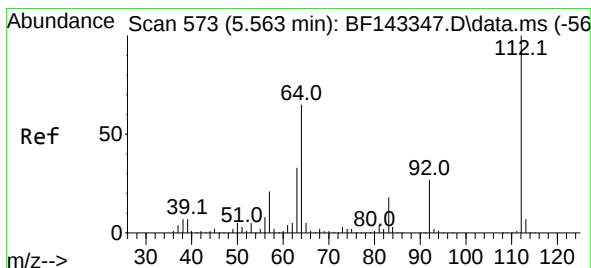
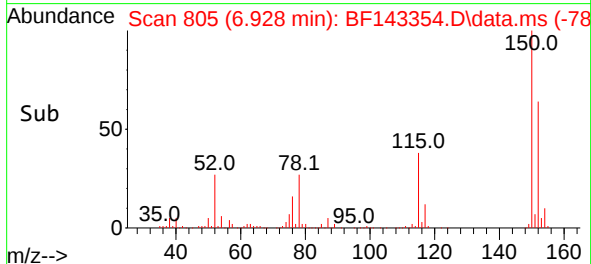
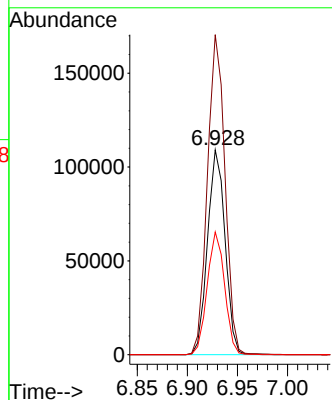
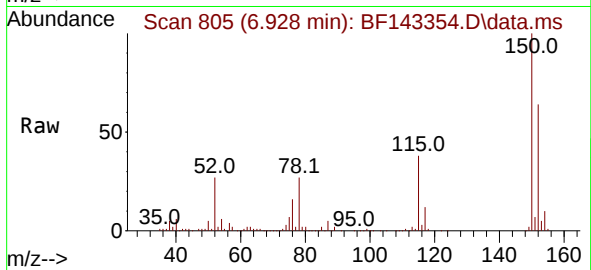




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

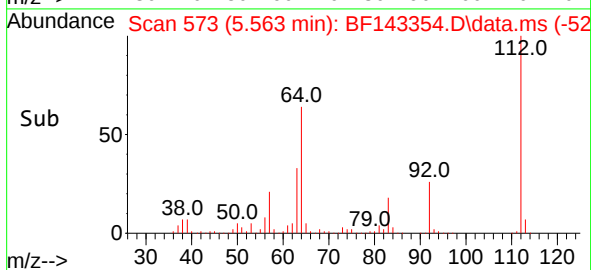
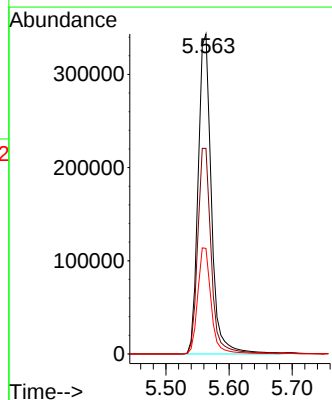
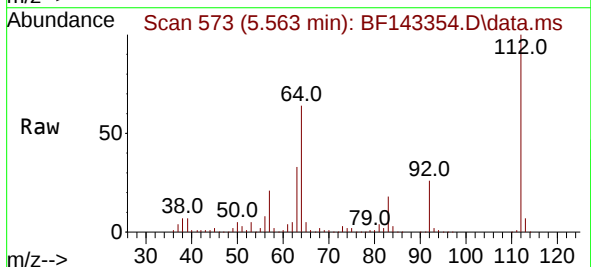
Instrument :
BNA_F
ClientSampleId :
COMP-5

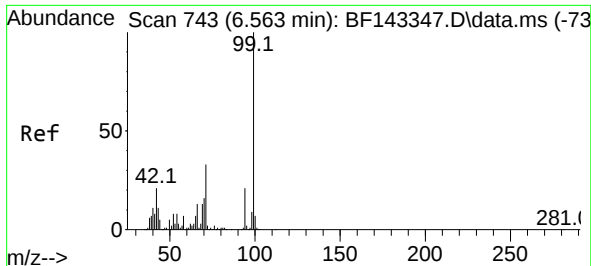
Tgt Ion:152 Resp: 133341
Ion Ratio Lower Upper
152 100
150 156.2 129.8 194.8
115 59.9 47.8 71.8



#5
2-Fluorophenol
Concen: 64.877 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:112 Resp: 500259
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 33.0 26.6 39.8

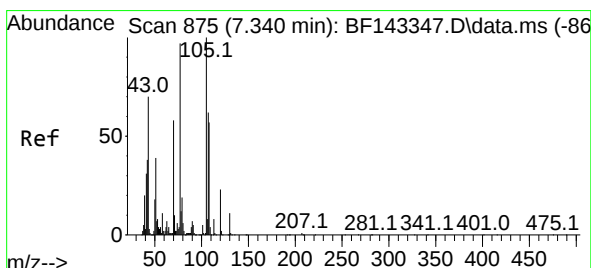
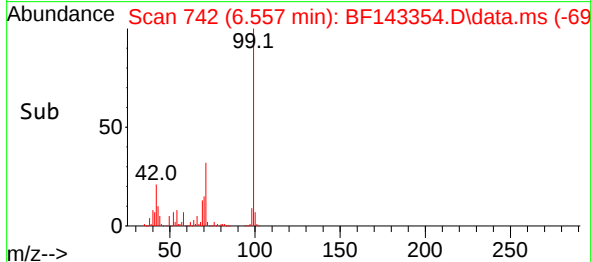
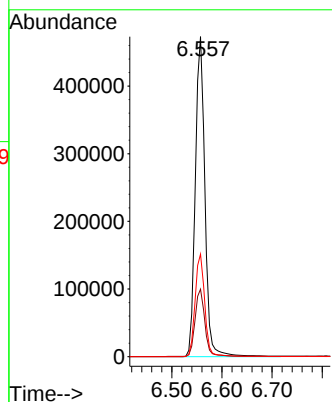
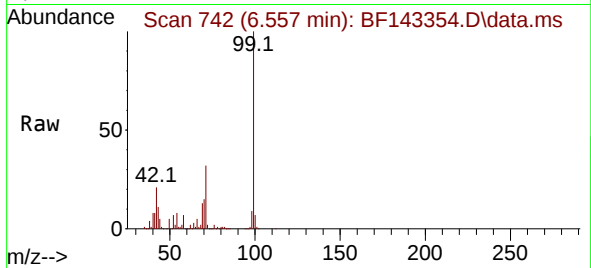




#7
Phenol-d6
Concen: 63.594 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

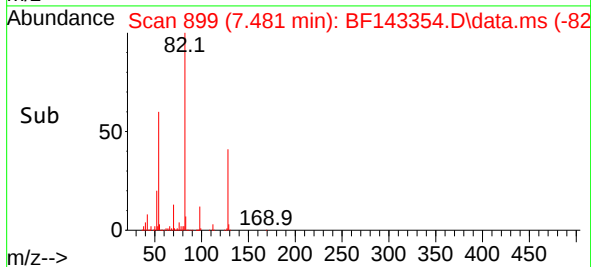
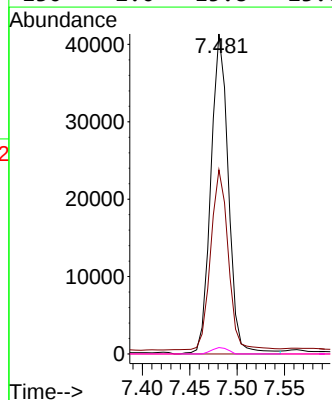
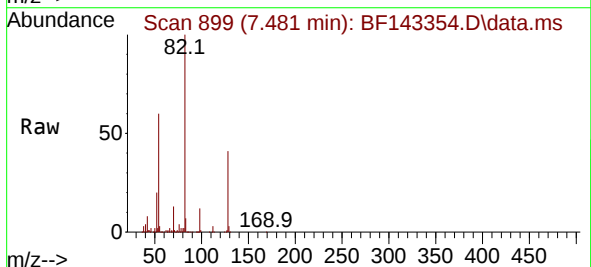
Instrument :
BNA_F
ClientSampleId :
COMP-5

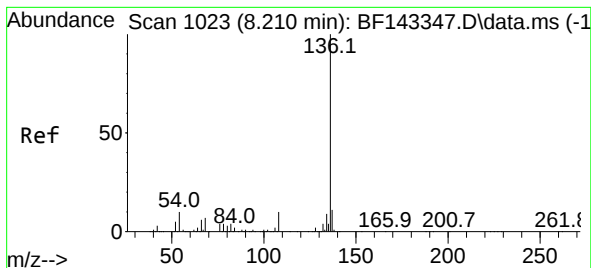
Tgt Ion: 99 Resp: 628828
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 32.1 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.732 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion: 70 Resp: 53349
Ion Ratio Lower Upper
70 100
42 57.6 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

Tgt Ion:136 Resp: 496028

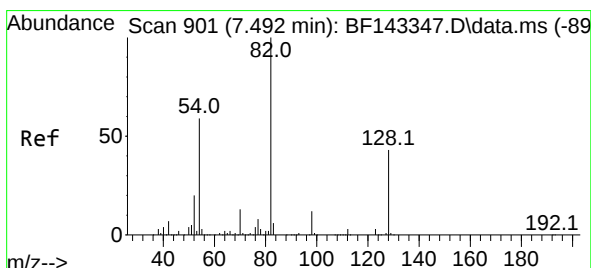
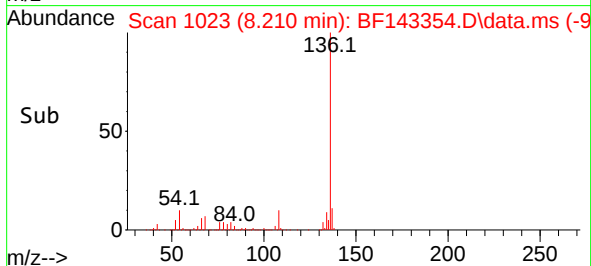
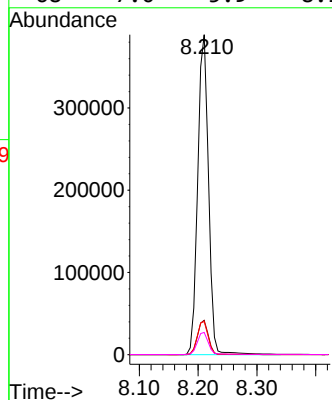
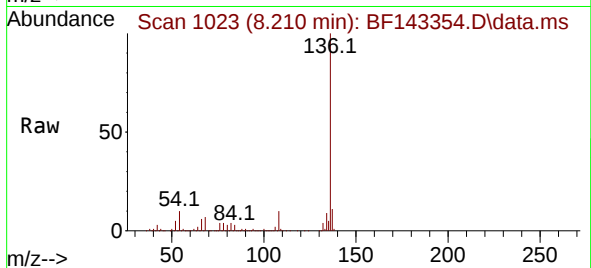
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 10.4 8.4 12.6

68 7.0 5.9 8.9



#23

Nitrobenzene-d5

Concen: 49.299 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

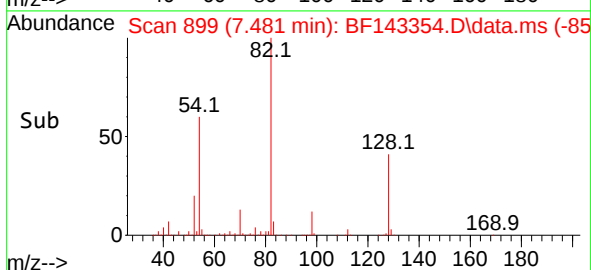
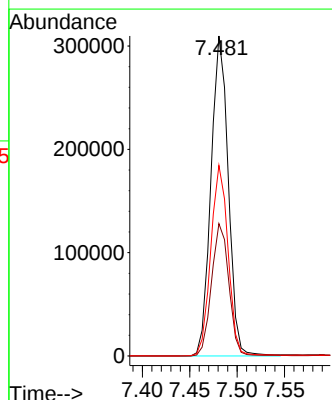
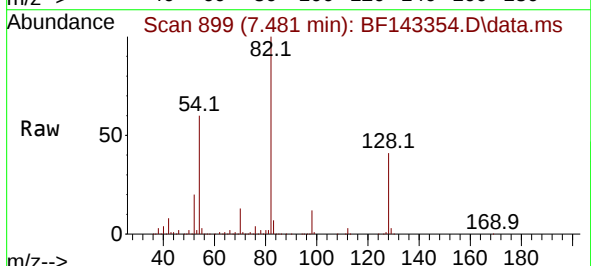
Tgt Ion: 82 Resp: 392684

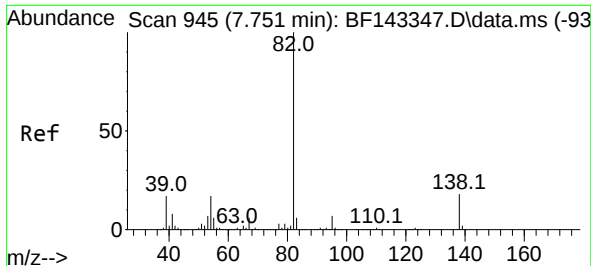
Ion Ratio Lower Upper

82 100

128 41.3 33.5 50.3

54 59.6 46.7 70.1

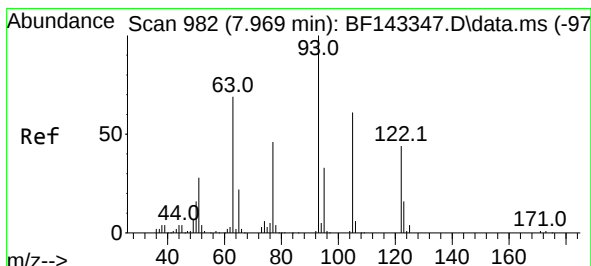
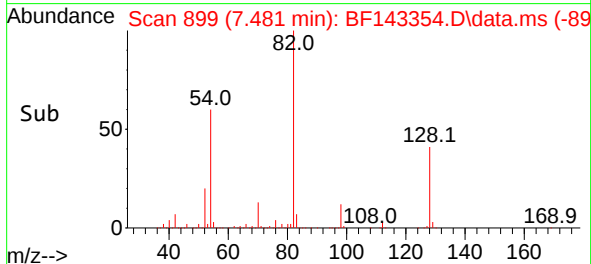
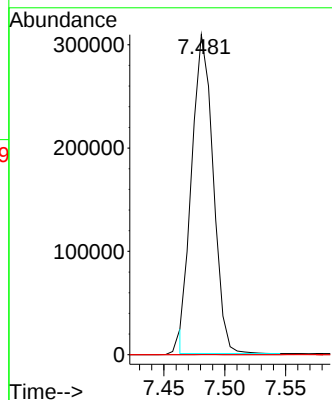
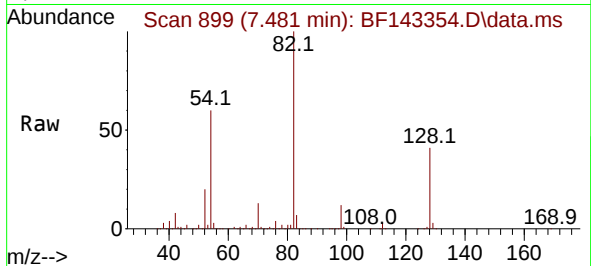




#25
Isophorone
Concen: 23.227 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

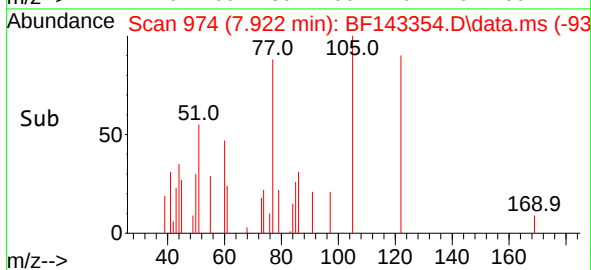
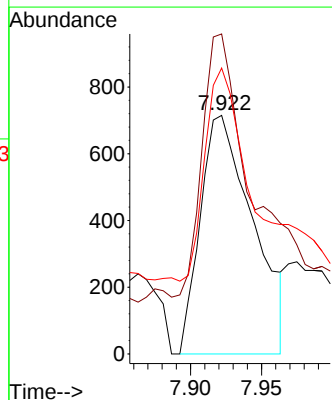
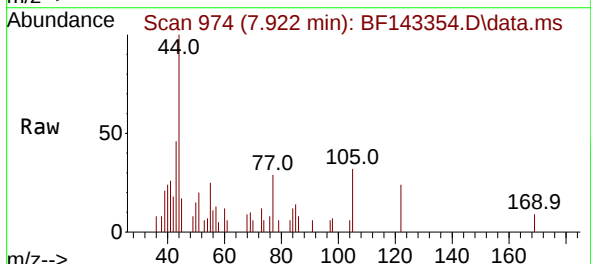
Instrument :
BNA_F
ClientSampleId :
COMP-5

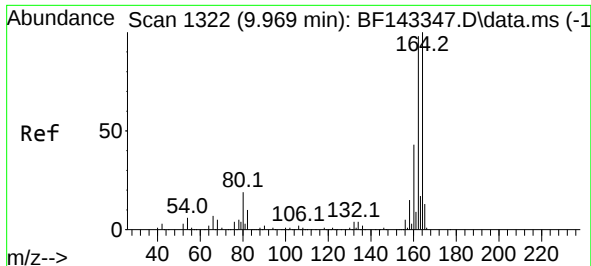
Tgt Ion: 82 Resp: 377688
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 4.225 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.047 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:122 Resp: 1839
Ion Ratio Lower Upper
122 100
105 134.1 106.4 146.4
77 119.9 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

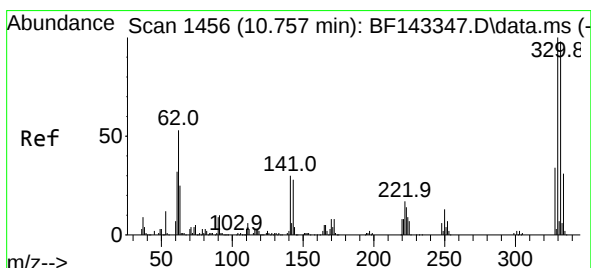
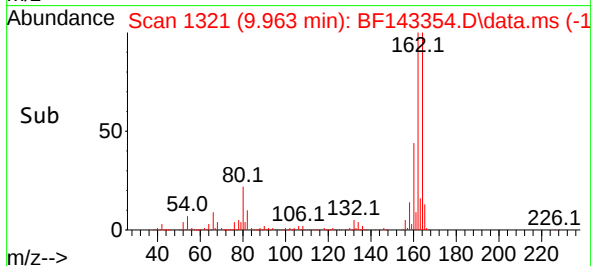
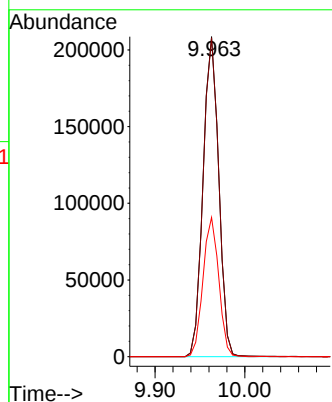
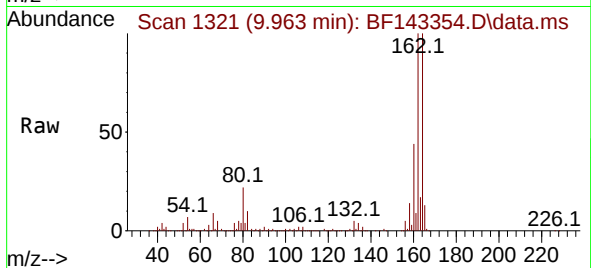
Tgt Ion:164 Resp: 252686

Ion Ratio Lower Upper

164 100

162 99.6 78.6 118.0

160 43.5 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 76.918 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

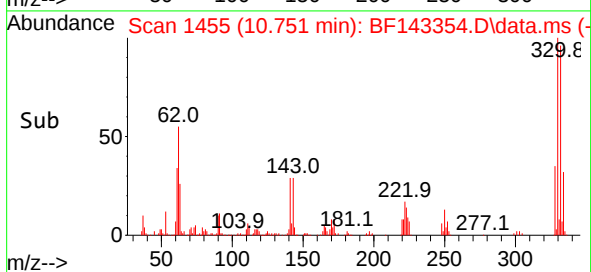
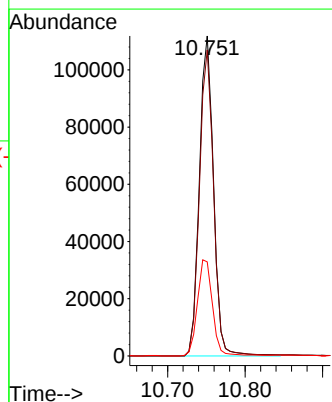
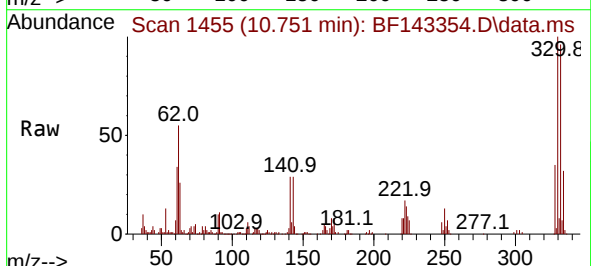
Tgt Ion:330 Resp: 142044

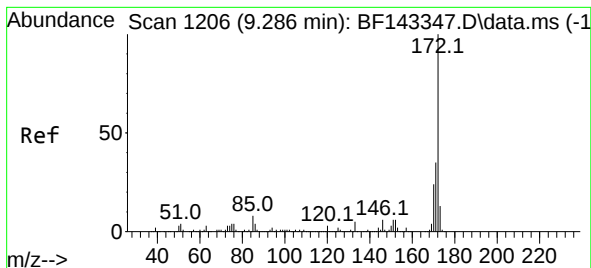
Ion Ratio Lower Upper

330 100

332 96.6 78.1 117.1

141 32.2 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 48.943 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

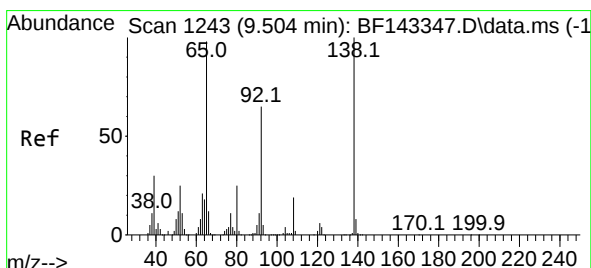
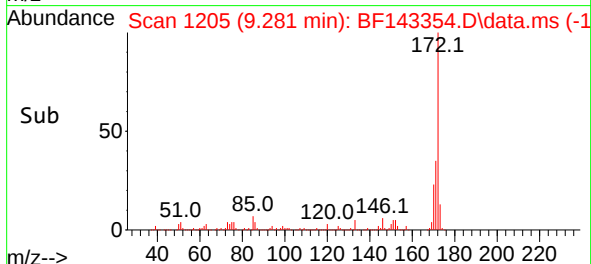
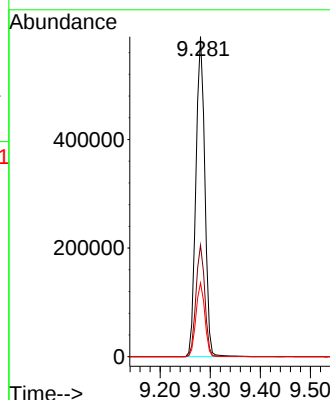
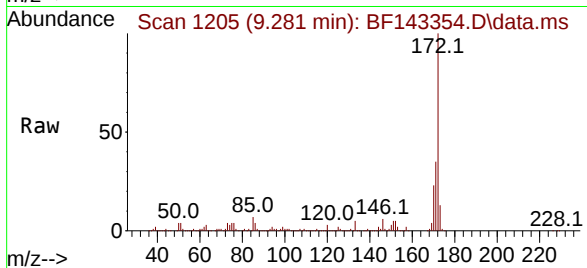
Tgt Ion:172 Resp: 729304

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.0 19.1 28.7



#48

2-Nitroaniline

Concen: 2.820 ng

RT: 9.504 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

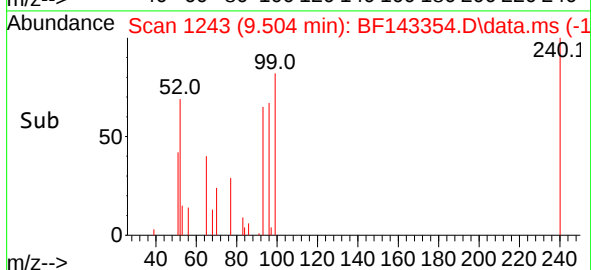
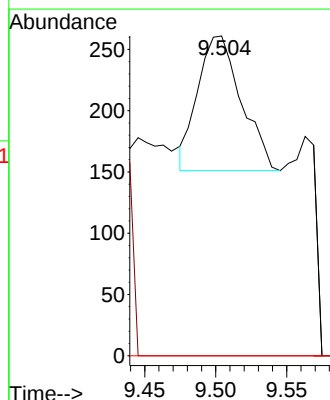
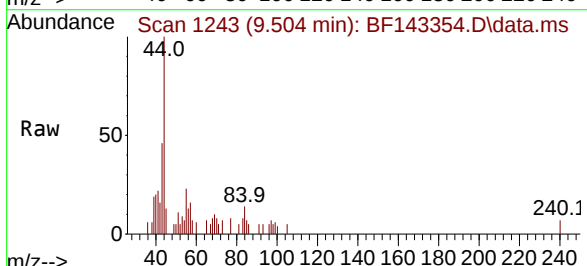
Tgt Ion: 65 Resp: 235

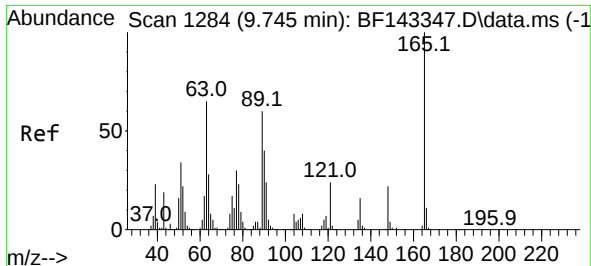
Ion Ratio Lower Upper

65 100

92 0.0 53.1 79.7#

138 0.0 81.4 122.0#

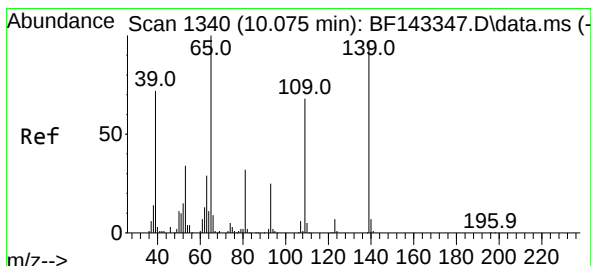
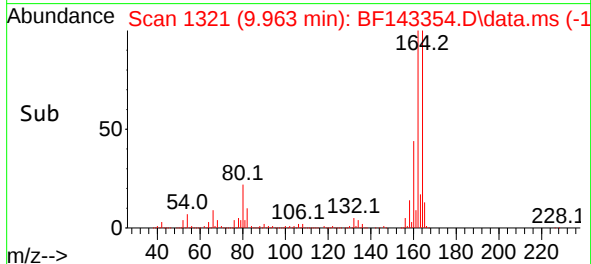
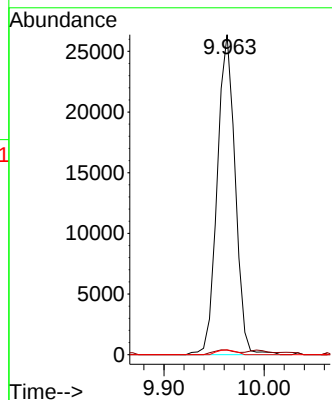
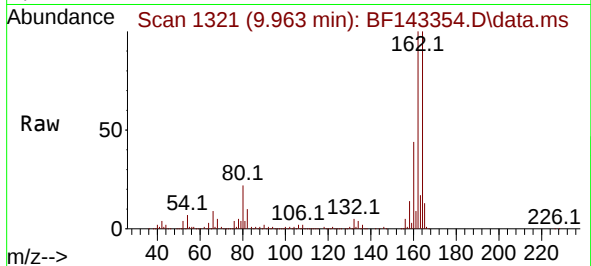




#51
2,6-Dinitrotoluene
Concen: 13.968 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

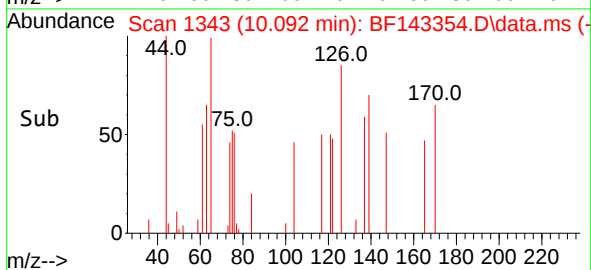
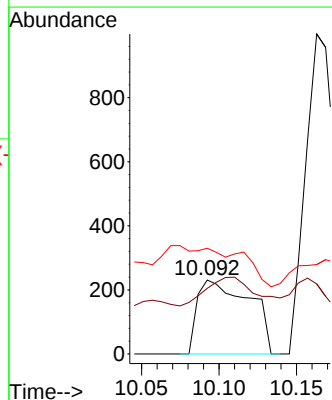
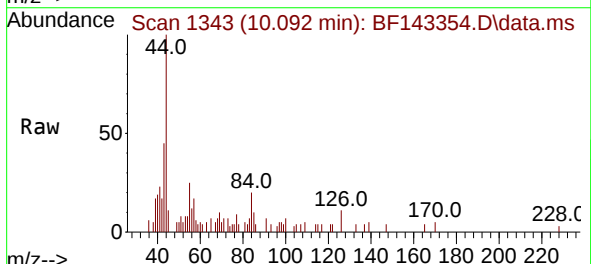
Instrument :
BNA_F
ClientSampleId :
COMP-5

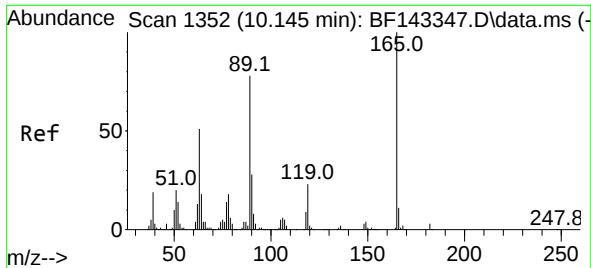
Tgt Ion:165 Resp: 32771
Ion Ratio Lower Upper
165 100
63 1.5 51.6 77.4#
89 1.5 47.7 71.5#



#56
4-Nitrophenol
Concen: 5.684 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.017 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:139 Resp: 539
Ion Ratio Lower Upper
139 100
109 88.7 49.4 89.4
65 142.9 83.7 123.7#

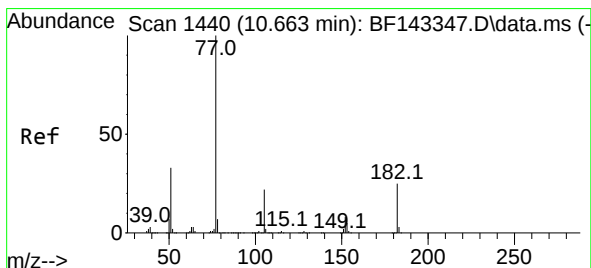
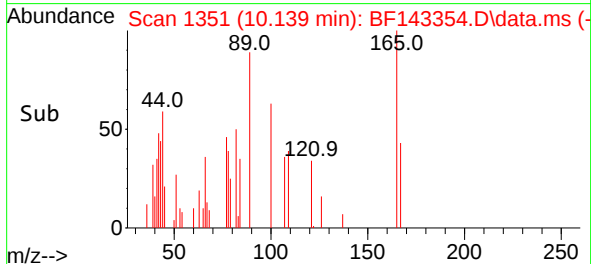
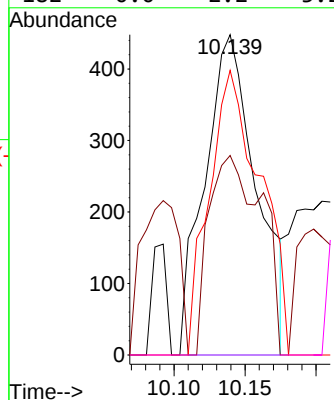
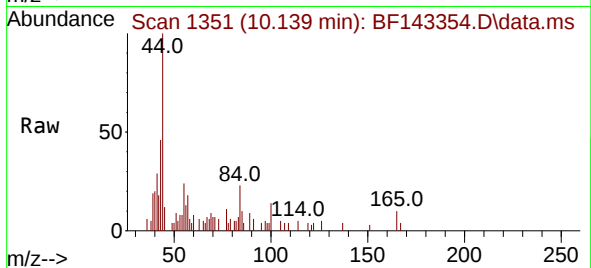




#57
2,4-Dinitrotoluene
Concen: 3.302 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

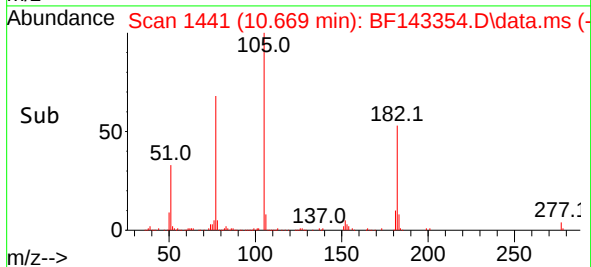
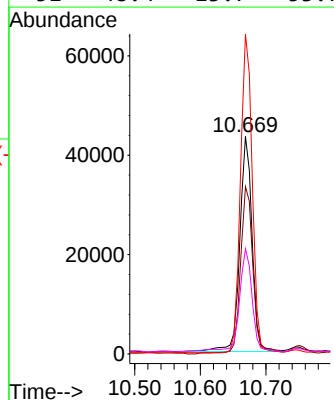
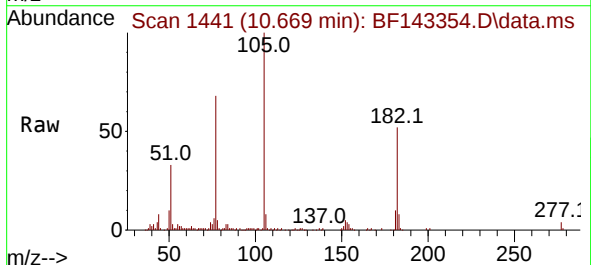
Instrument :
BNA_F
ClientSampleId :
COMP-5

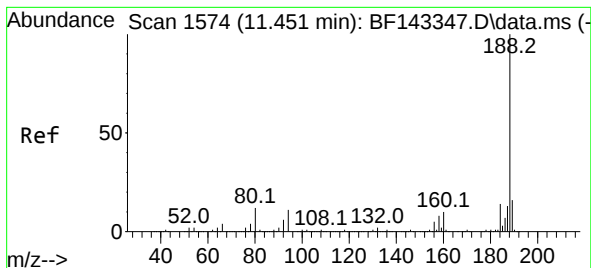
Tgt Ion:165	Resp:	1143
Ion	Ratio	Lower Upper
165	100	
63	62.3	41.8 62.8
89	88.8	62.4 93.6
182	0.0	2.2 3.2#



#63
Azobenzene
Concen: 3.762 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion: 77	Resp:	56831
Ion	Ratio	Lower Upper
77	100	
182	77.0	4.4 44.4#
105	147.2	1.8 41.8#
51	48.4	13.7 53.7

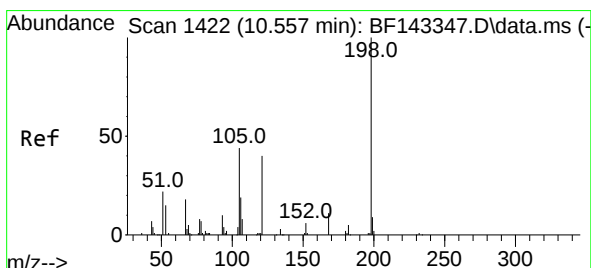
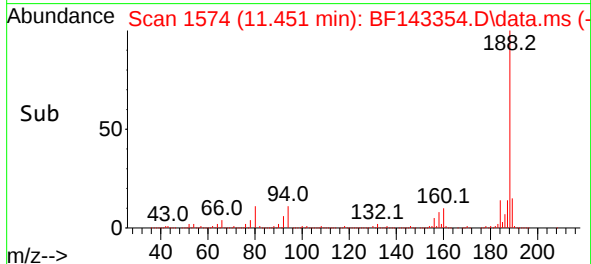
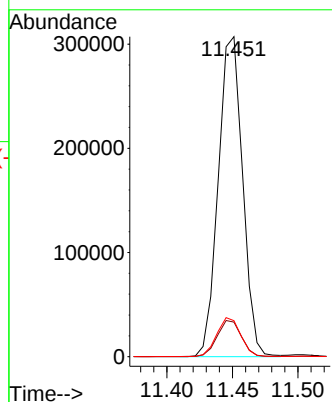
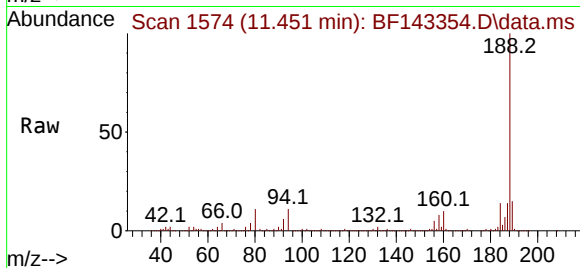




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

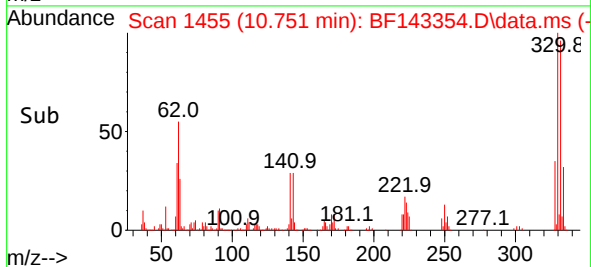
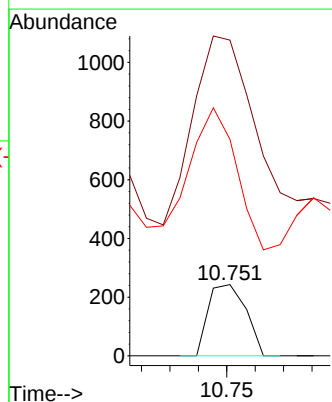
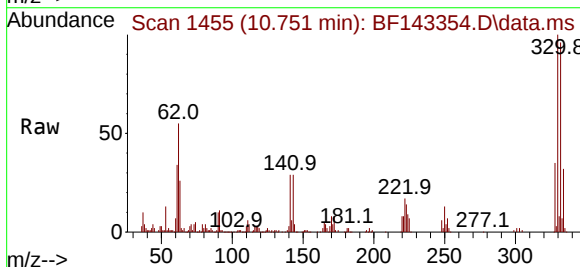
Instrument :
BNA_F
ClientSampleId :
COMP-5

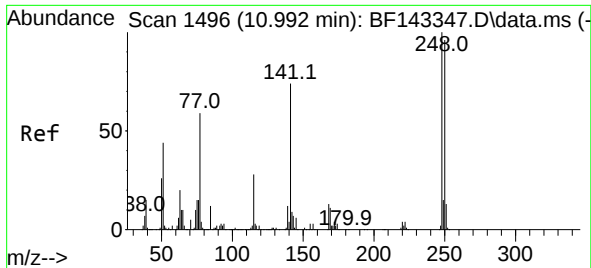
Tgt Ion:188 Resp: 396419
Ion Ratio Lower Upper
188 100
94 10.8 8.8 13.2
80 11.2 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.379 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.194 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:198 Resp: 223
Ion Ratio Lower Upper
198 100
51 442.8 41.7 81.7#
105 303.7 26.8 66.8#

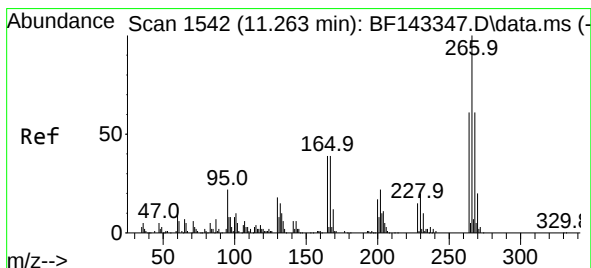
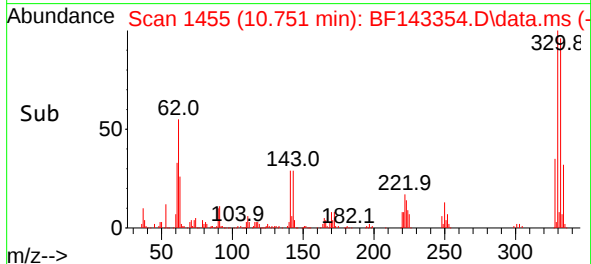
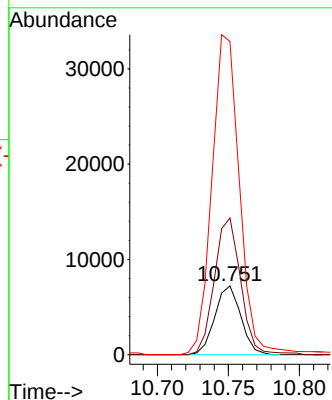
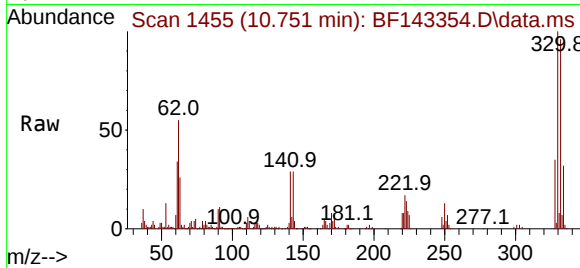




#67
4-Bromophenyl-phenylether
Concen: 2.027 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

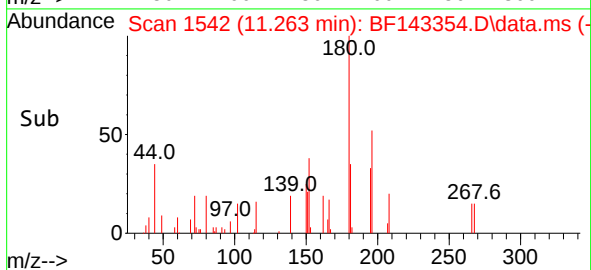
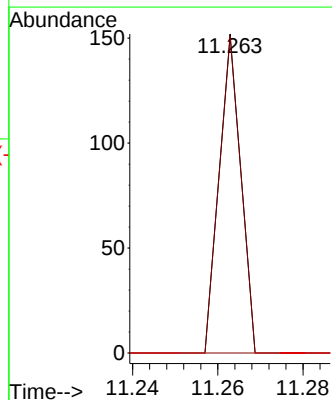
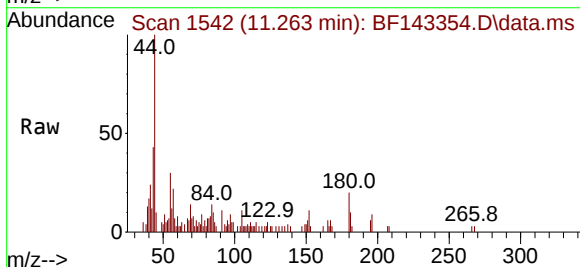
Instrument :
BNA_F
ClientSampleId :
COMP-5

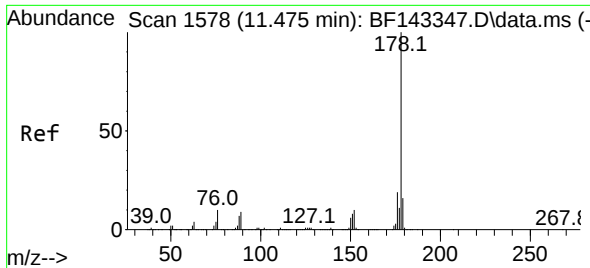
Tgt Ion:248 Resp: 9190
Ion Ratio Lower Upper
248 100
250 198.8 77.1 115.7#
141 455.1 59.1 88.7#



#70
Pentachlorophenol
Concen: 5.943 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:266 Resp: 54
Ion Ratio Lower Upper
266 100
268 99.3 48.8 73.2#
264 0.0 48.8 73.2#

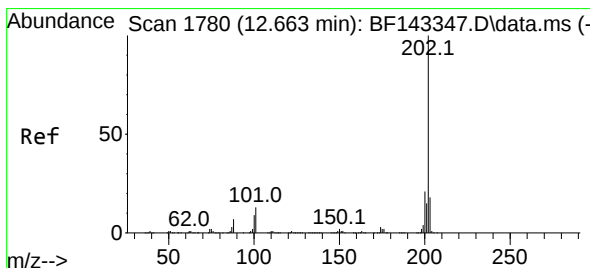
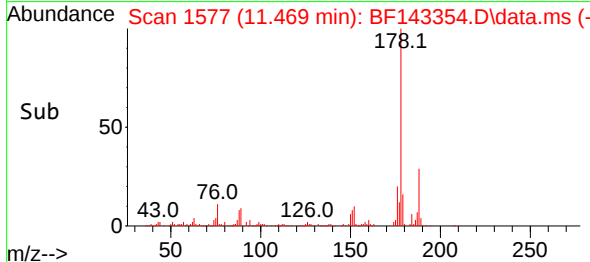
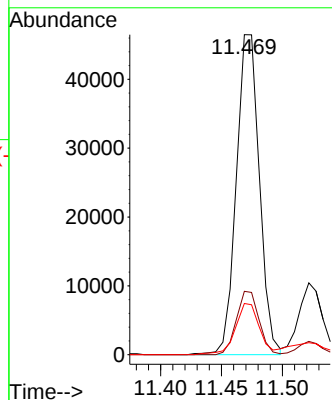
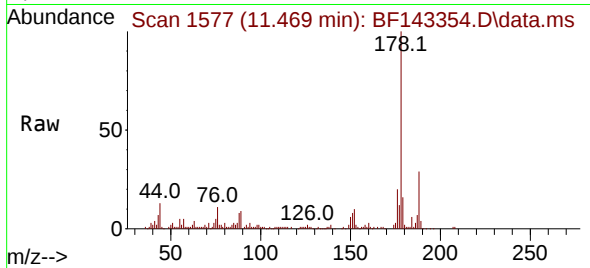




#71
Phenanthrene
Concen: 2.842 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

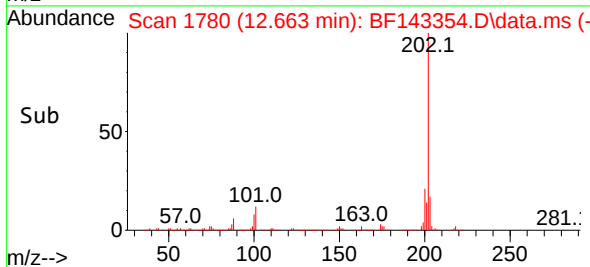
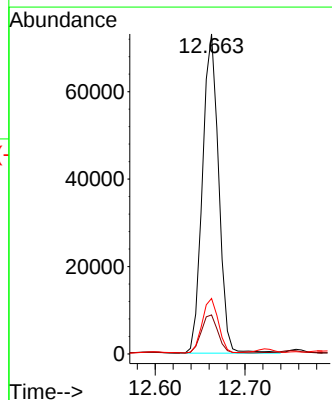
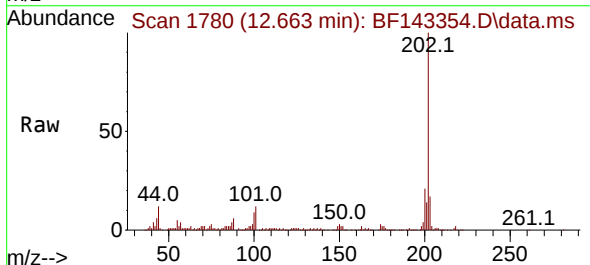
Instrument :
BNA_F
ClientSampleId :
COMP-5

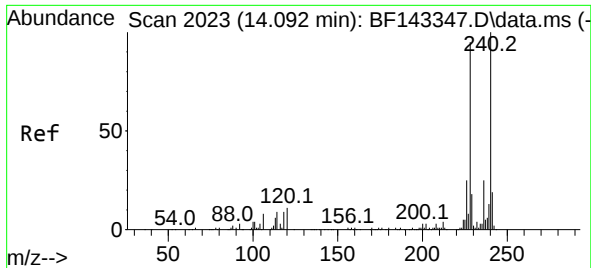
Tgt Ion:178 Resp: 61468
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 16.0 12.5 18.7



#75
Fluoranthene
Concen: 4.841 ng
RT: 12.663 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:202 Resp: 91709
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.2
203 17.4 0.0 37.6

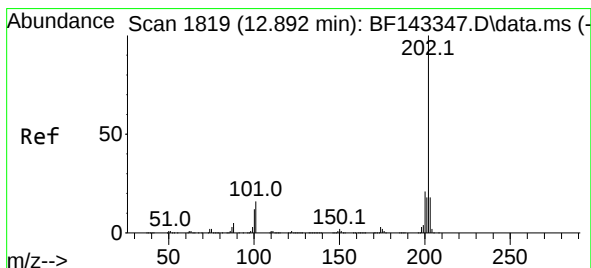
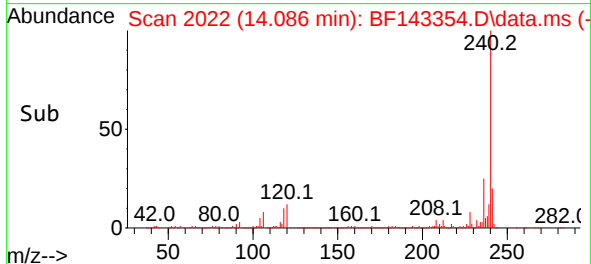
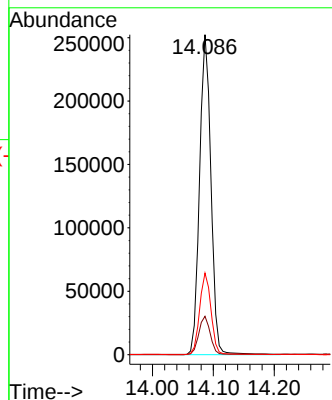
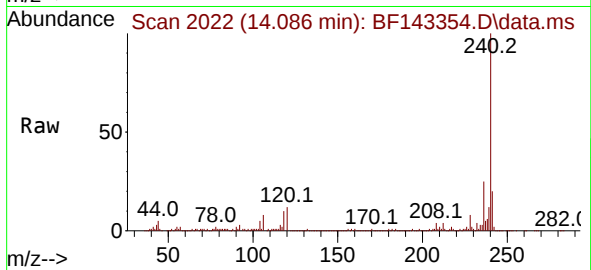




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

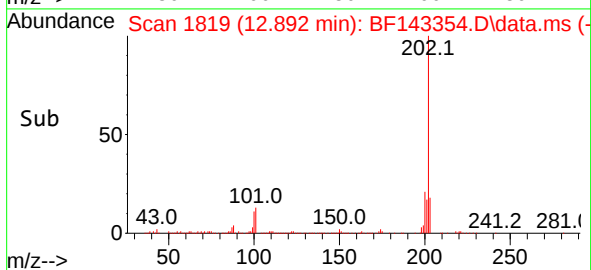
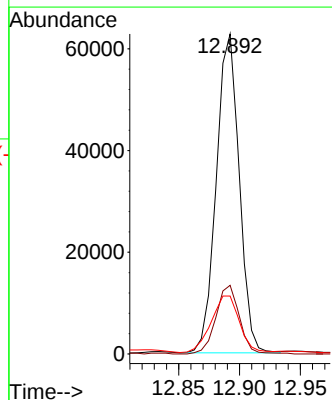
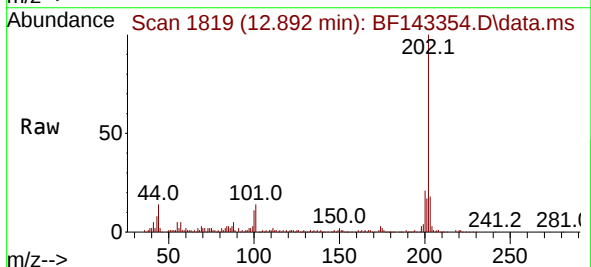
Instrument :
BNA_F
ClientSampleId :
COMP-5

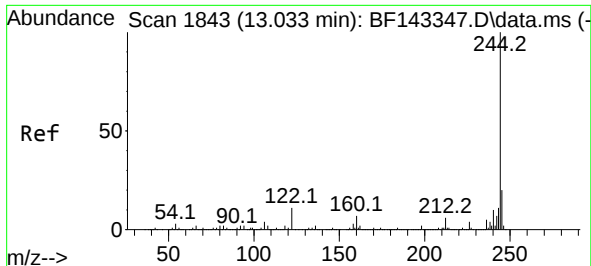
Tgt Ion:240 Resp: 326252
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.5 19.9 29.9



#78
Pyrene
Concen: 3.003 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:202 Resp: 82177
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.1 14.2 21.4

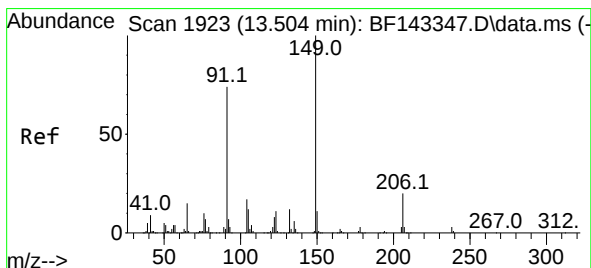
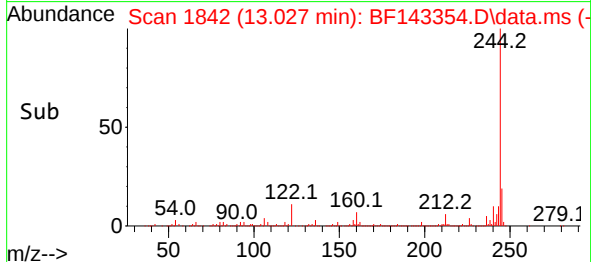
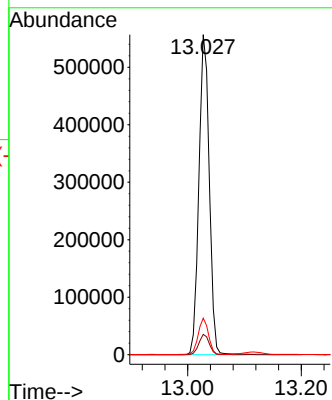
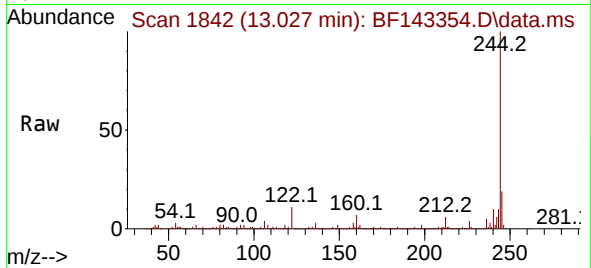




#79
 Terphenyl-d14
 Concen: 38.750 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF143354.D
 Acq: 12 Aug 2025 15:33

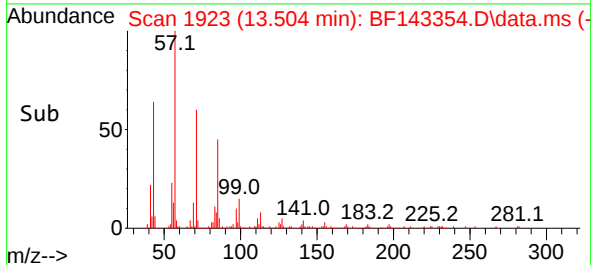
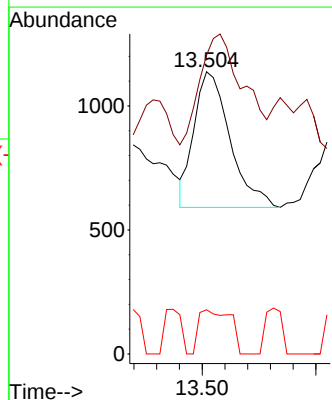
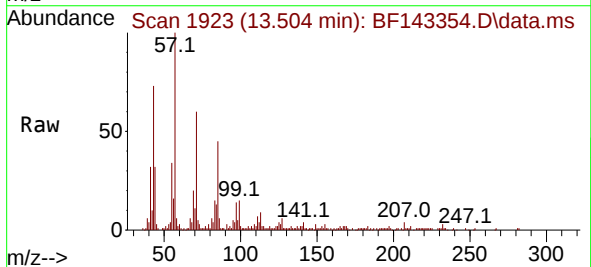
Instrument :
 BNA_F
 ClientSampleId :
 COMP-5

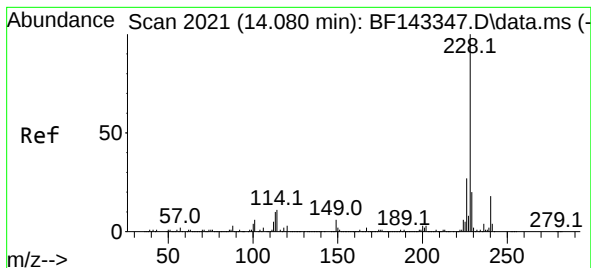
Tgt Ion:244 Resp: 708125
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.4 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.557 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143354.D
 Acq: 12 Aug 2025 15:33

Tgt Ion:149 Resp: 1202
 Ion Ratio Lower Upper
 149 100
 91 105.9 58.8 88.2#
 206 15.6 16.4 24.6#





#81

Benzo(a)anthracene

Concen: 2.401 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

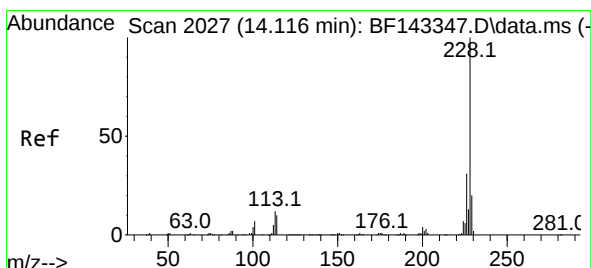
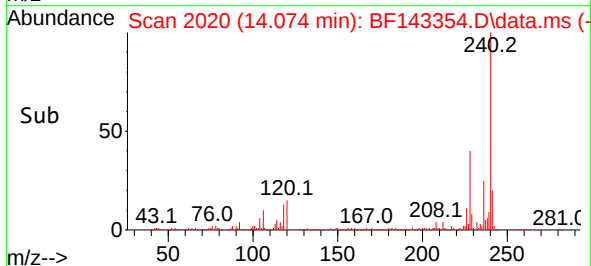
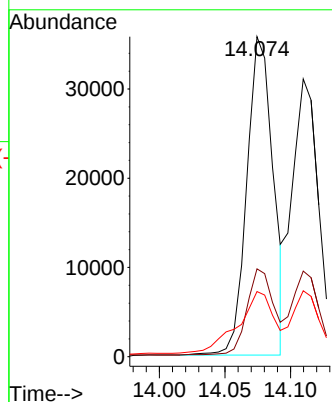
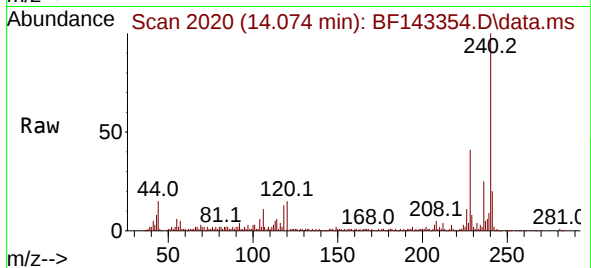
Tgt Ion:228 Resp: 49780

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

229 20.4 15.8 23.8



#83

Chrysene

Concen: 2.575 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.041 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

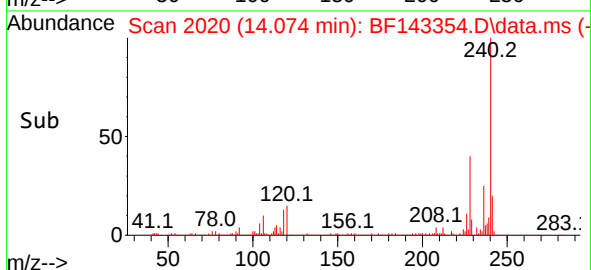
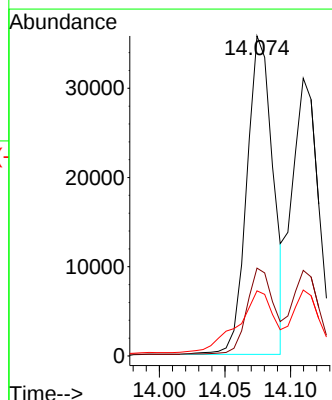
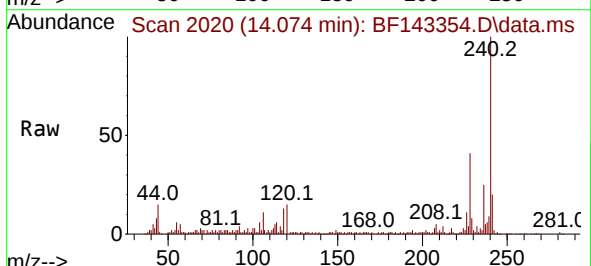
Tgt Ion:228 Resp: 49780

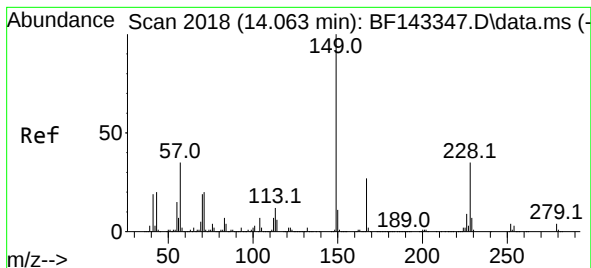
Ion Ratio Lower Upper

228 100

226 27.5 24.2 36.2

229 20.4 15.8 23.6

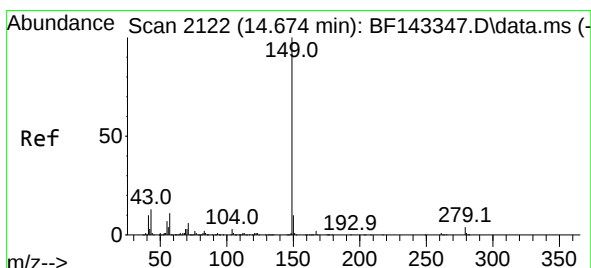
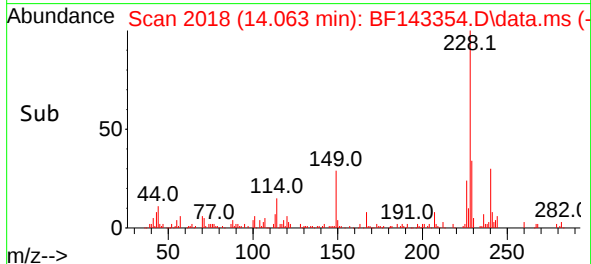
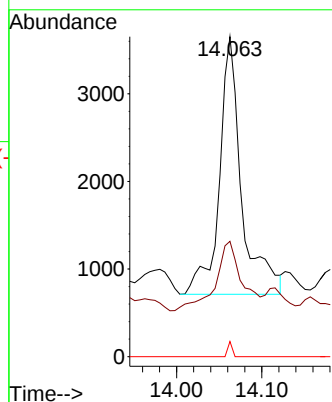
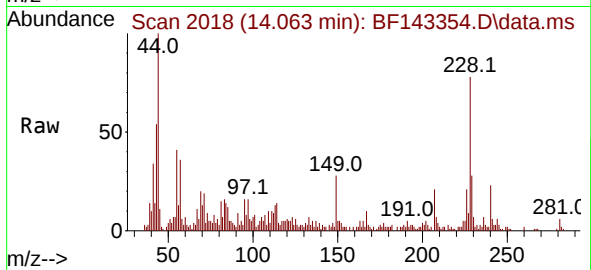




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.606 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF143354.D
 Acq: 12 Aug 2025 15:33

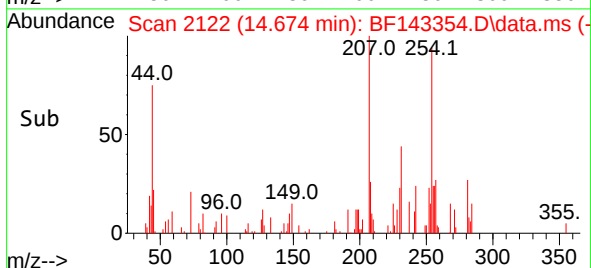
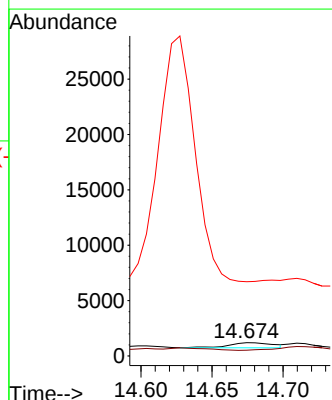
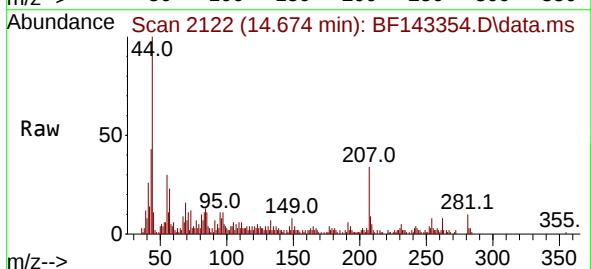
Instrument :
 BNA_F
 ClientSampleId :
 COMP-5

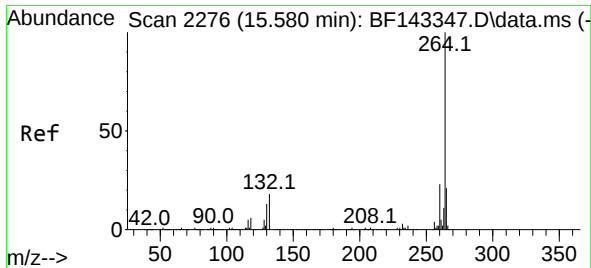
Tgt Ion:149 Resp: 5347
 Ion Ratio Lower Upper
 149 100
 167 36.0 21.4 32.0#
 279 4.8 3.2 4.8



#85
 Di-n-octyl phthalate
 Concen: 6.081 ng
 RT: 14.674 min Scan# 2122
 Delta R.T. 0.000 min
 Lab File: BF143354.D
 Acq: 12 Aug 2025 15:33

Tgt Ion:149 Resp: 1029
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 10.8 16.2#

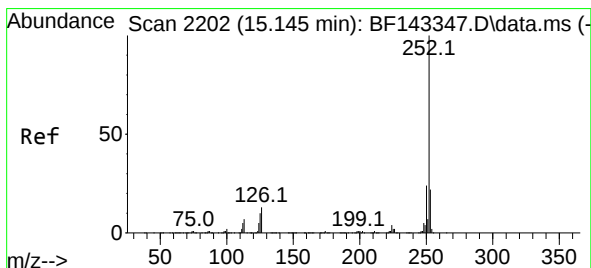
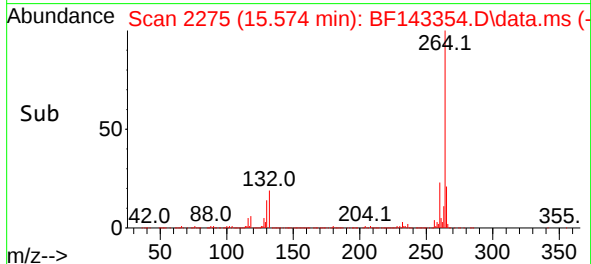
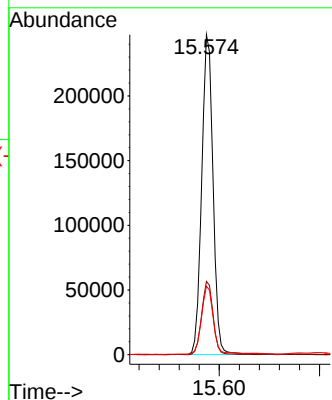
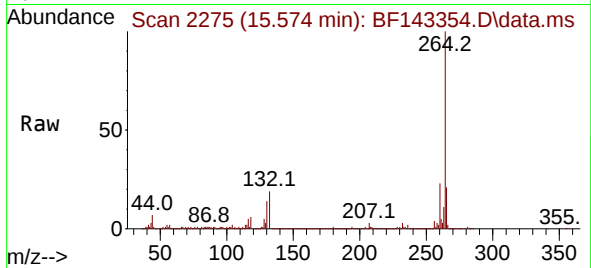




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

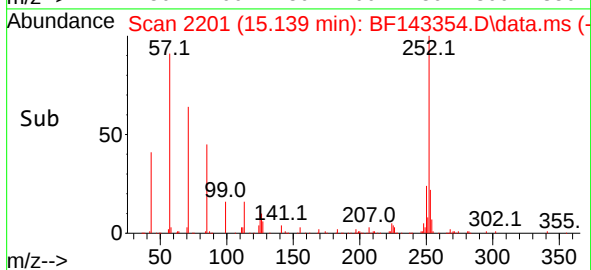
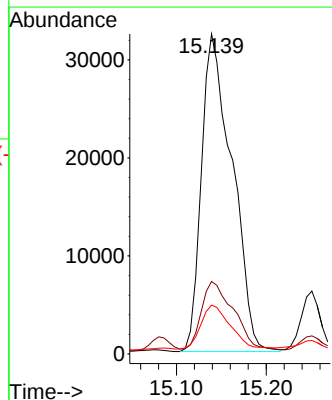
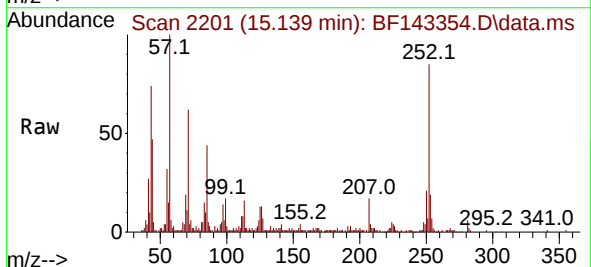
Instrument :
BNA_F
ClientSampleId :
COMP-5

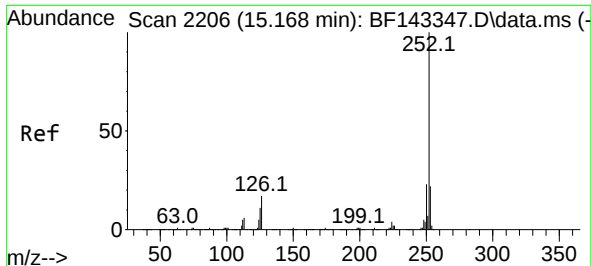
Tgt Ion:264 Resp: 388136
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 21.4 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 3.618 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:252 Resp: 76811
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 15.3 7.8 11.6#

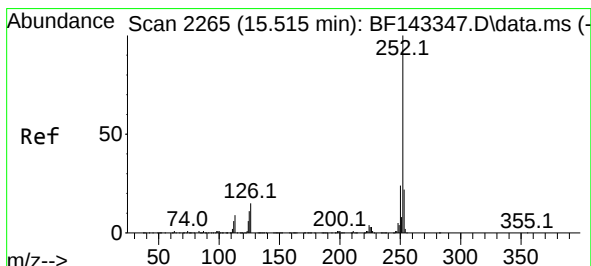
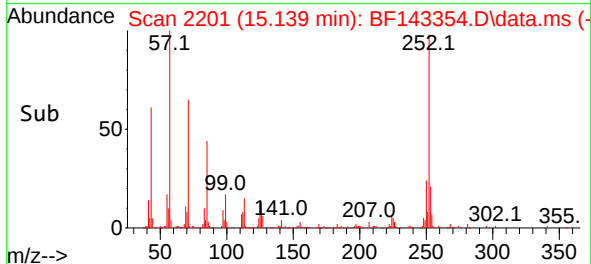
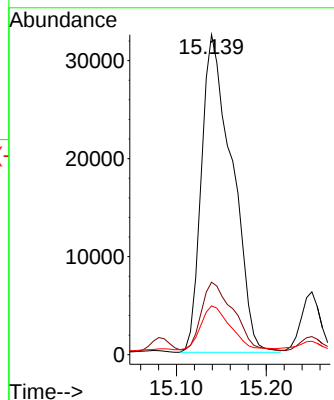
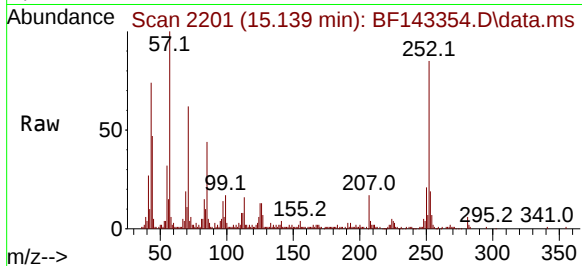




#89
Benzo(k)fluoranthene
Concen: 3.724 ng
RT: 15.139 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Instrument :
BNA_F
ClientSampleId :
COMP-5

Tgt Ion:252 Resp: 76811
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 15.3 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.184 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:252 Resp: 43661
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 14.6 9.1 13.7#

