

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143130.D
 Acq On : 17 Jul 2025 02:04
 Operator : RC/JU
 Sample : Q2571-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17

Quant Time: Jul 17 03:48:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

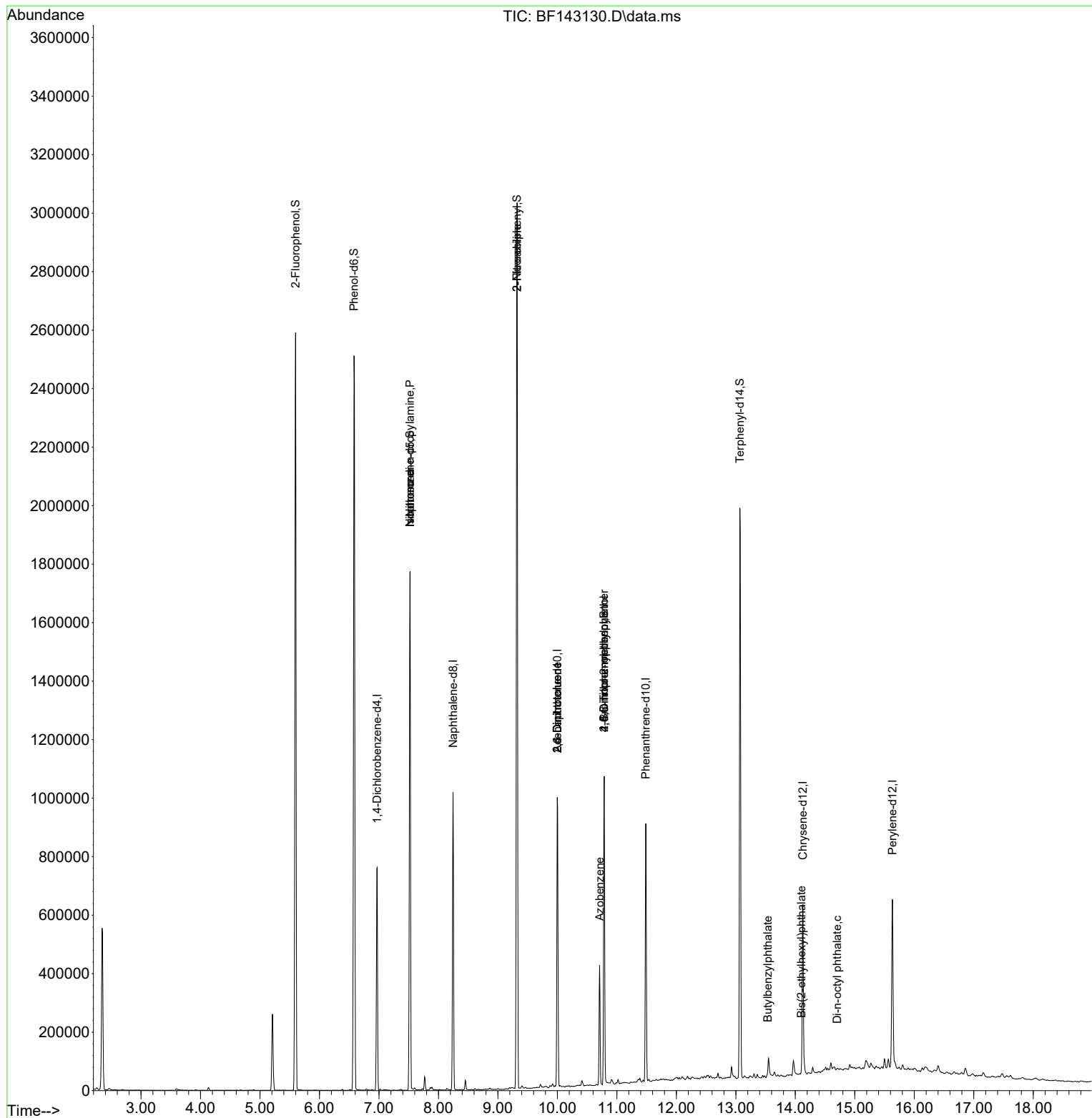
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	158648	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	602383	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	292080	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	430581	20.000	ng	0.00
76) Chrysene-d12	14.127	240	272653	20.000	ng	0.00
86) Perylene-d12	15.633	264	332670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	984603	98.054	ng	0.01
7) Phenol-d6	6.581	99	1270205	100.634	ng	0.00
23) Nitrobenzene-d5	7.522	82	774294	72.108	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	167816	64.437	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1341533	61.054	ng	0.00
79) Terphenyl-d14	13.069	244	941680	50.488	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	106026	13.711	ng	# 79
25) Isophorone	7.522	82	772345	37.212	ng	# 65
48) 2-Nitroaniline	9.322	65	2473	3.628	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	37813	12.603	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	37813	11.148	ng	# 20
63) Azobenzene	10.710	77	99965	5.099	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	263	5.631	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	10861	2.218	ng	# 1
80) Butylbenzylphthalate	13.539	149	304	3.467	ng	# 34
84) Bis(2-ethylhexyl)phtha...	14.104	149	1186	3.555	ng	# 64
85) Di-n-octyl phthalate	14.704	149	106	6.698	ng	# 54

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

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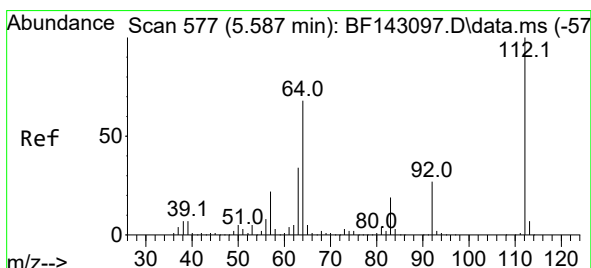
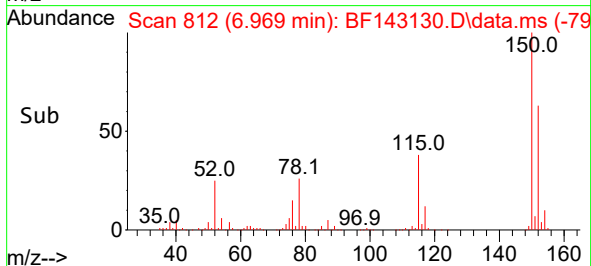
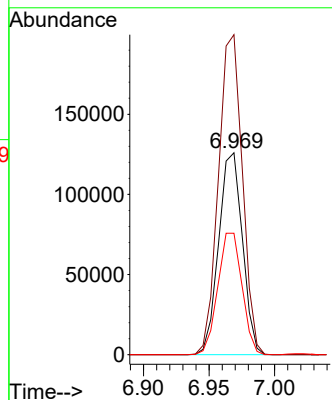
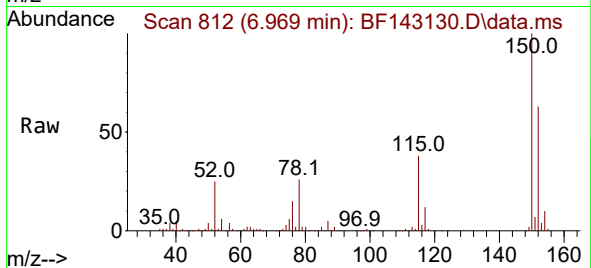




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

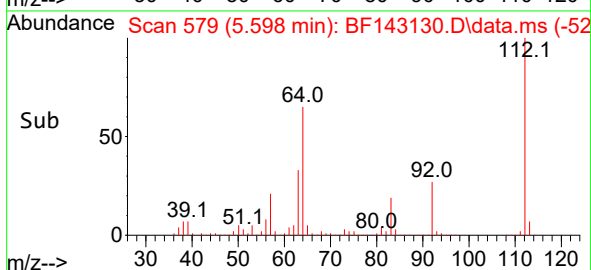
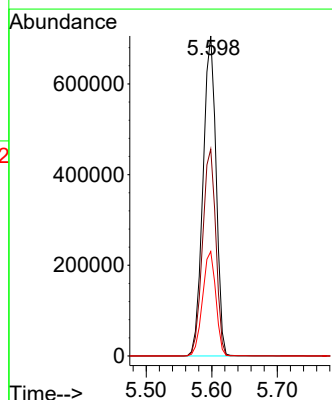
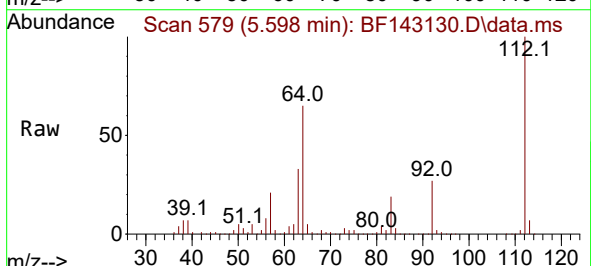
Instrument :
BNA_F
ClientSampleId :
TP-17

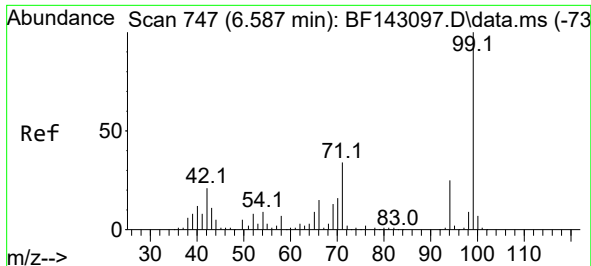
Tgt Ion:152 Resp: 158648
Ion Ratio Lower Upper
152 100
150 158.4 126.5 189.7
115 60.2 47.0 70.6



#5
2-Fluorophenol
Concen: 98.054 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion:112 Resp: 984603
Ion Ratio Lower Upper
112 100
64 64.6 54.6 82.0
63 32.6 27.3 40.9

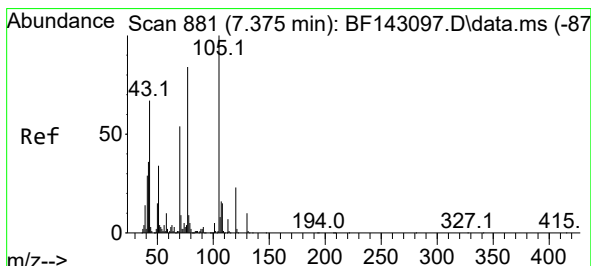
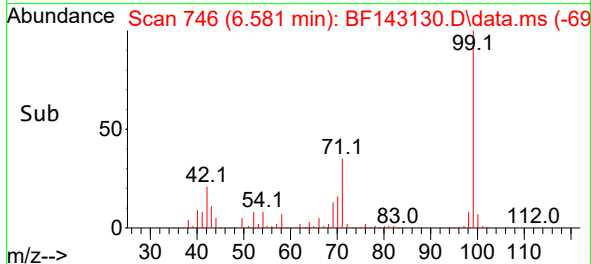
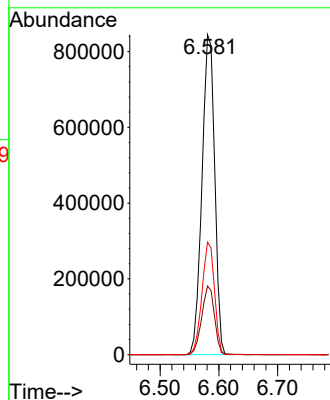
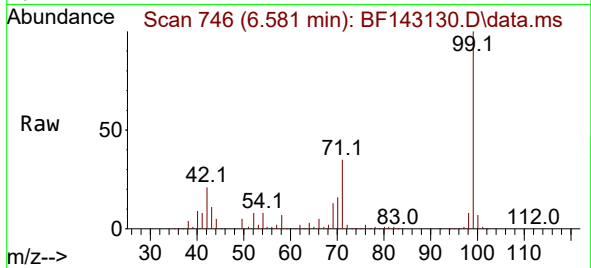




#7
Phenol-d6
Concen: 100.634 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

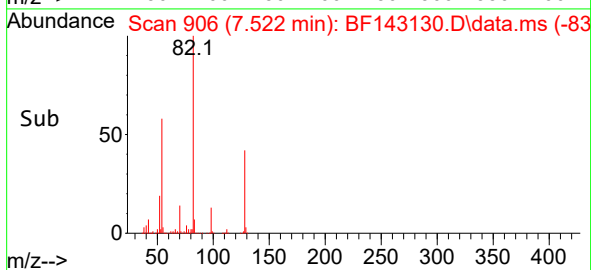
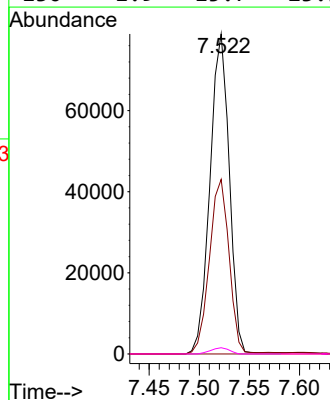
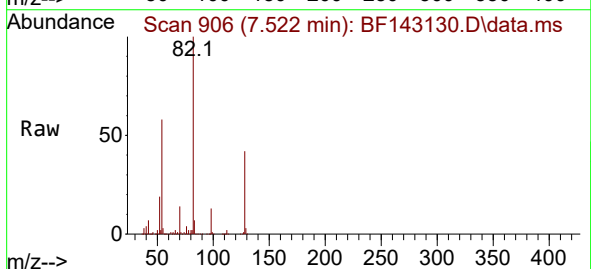
Instrument :
BNA_F
ClientSampleId :
TP-17

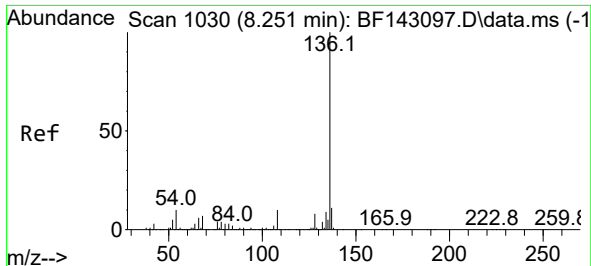
Tgt Ion: 99 Resp: 1270205
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.2 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.711 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion: 70 Resp: 106026
Ion Ratio Lower Upper
70 100
42 54.6 53.2 79.8
101 0.0 7.5 11.3#
130 1.9 15.7 23.5#



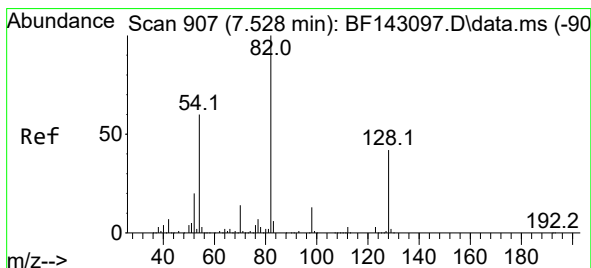
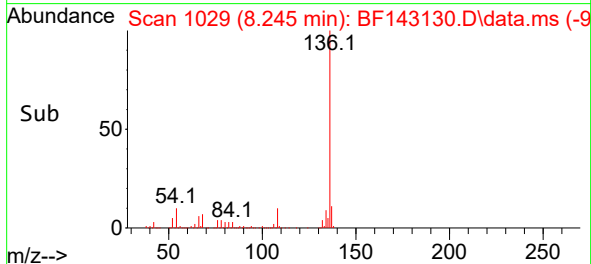
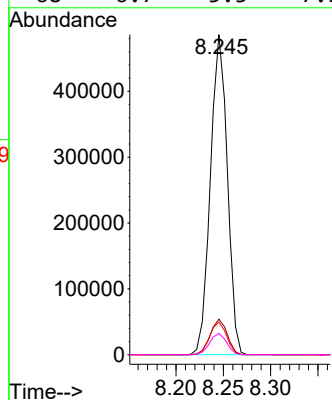
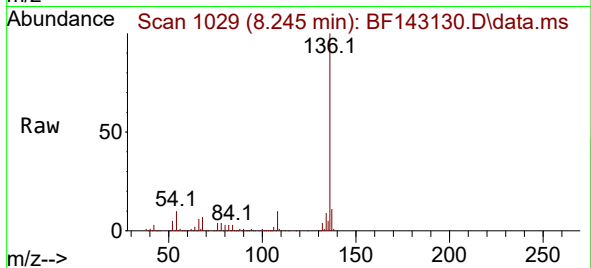


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Instrument :
BNA_F
ClientSampleId :
TP-17

Tgt Ion:136 Resp: 602383

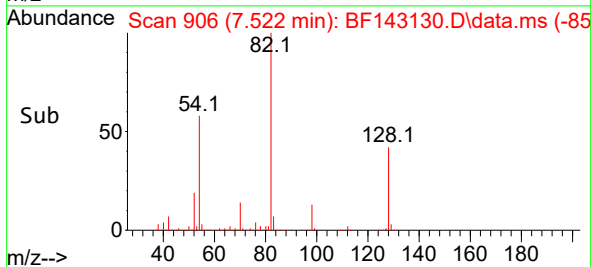
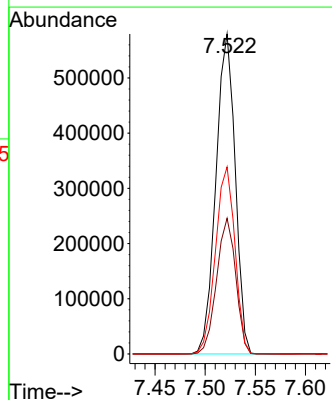
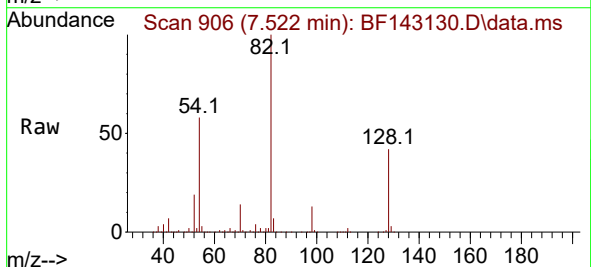
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.2	8.3	12.5
68	6.7	5.3	7.9

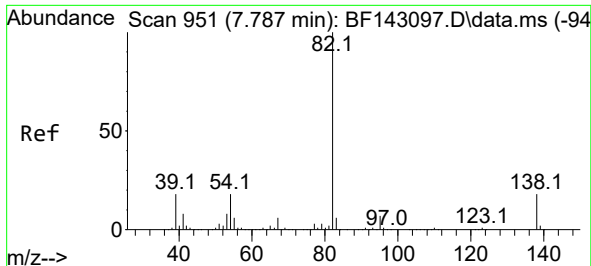


#23
Nitrobenzene-d5
Concen: 72.108 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion: 82 Resp: 774294

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	58.4	47.4	71.2

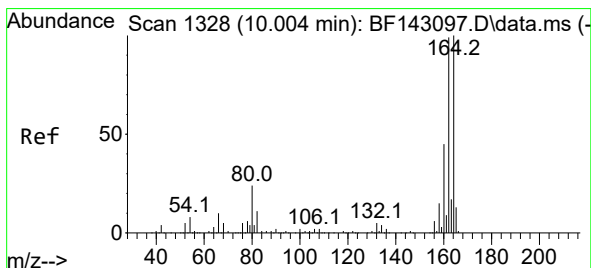
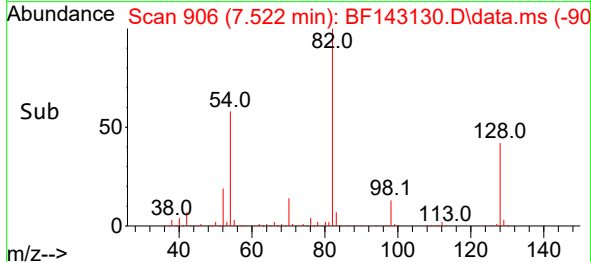
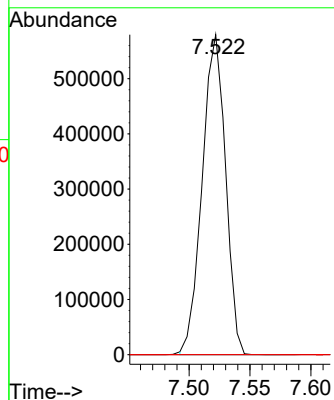
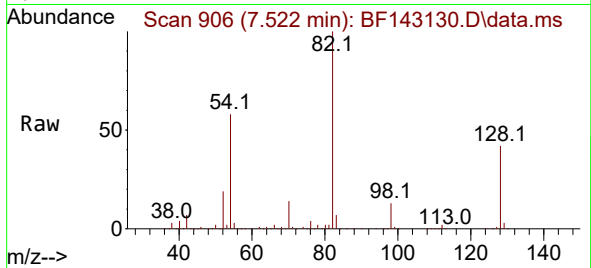




#25
Isophorone
Concen: 37.212 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

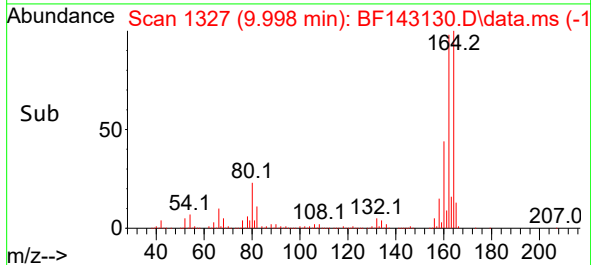
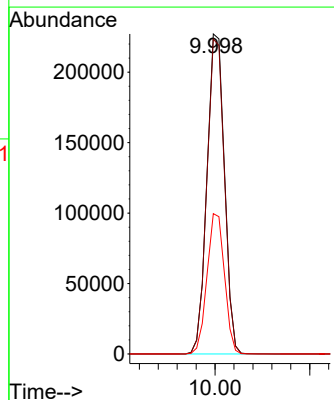
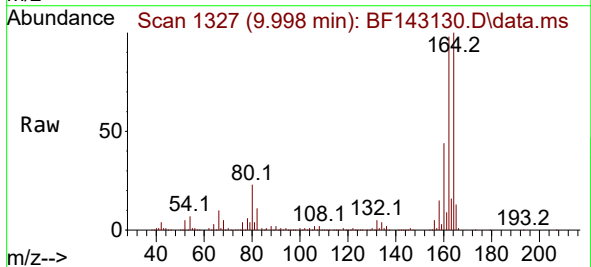
Instrument :
BNA_F
ClientSampleId :
TP-17

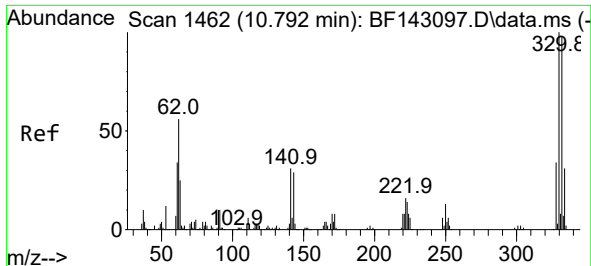
Tgt Ion: 82 Resp: 772345
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion:164 Resp: 292080
Ion Ratio Lower Upper
164 100
162 98.4 79.0 118.6
160 43.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 64.437 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

Instrument :

BNA_F

ClientSampleId :

TP-17

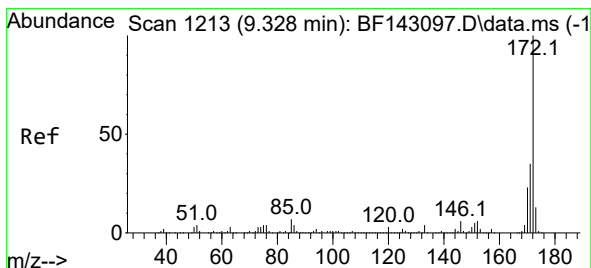
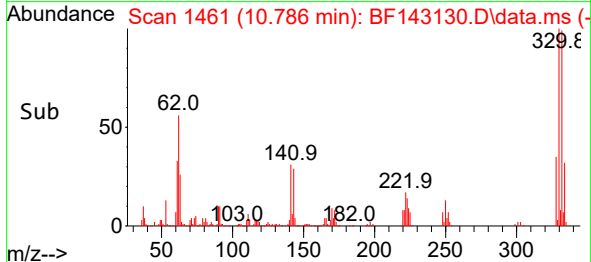
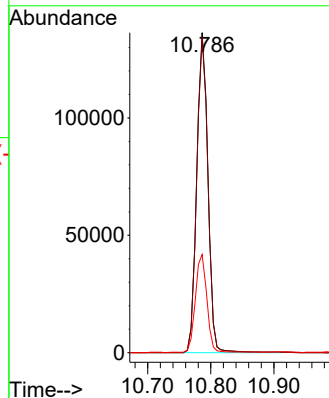
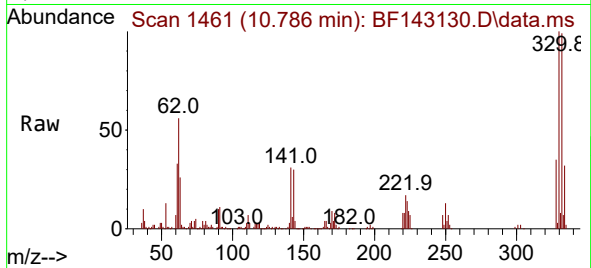
Tgt Ion:330 Resp: 167816

Ion Ratio Lower Upper

330 100

332 98.6 77.9 116.9

141 31.7 25.9 38.9



#45

2-Fluorobiphenyl

Concen: 61.054 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

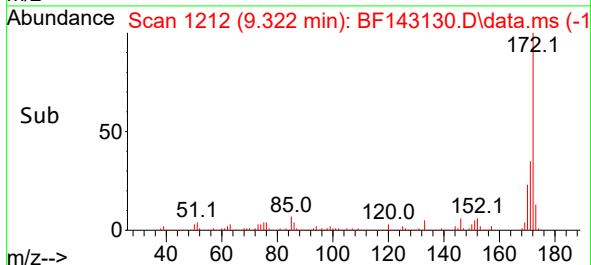
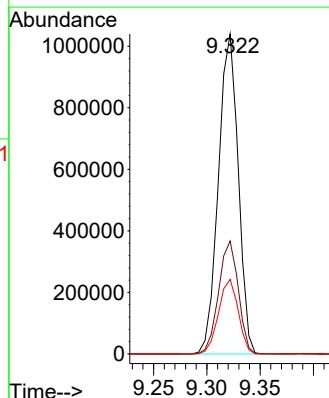
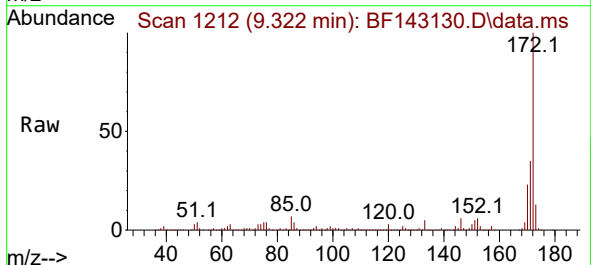
Tgt Ion:172 Resp: 1341533

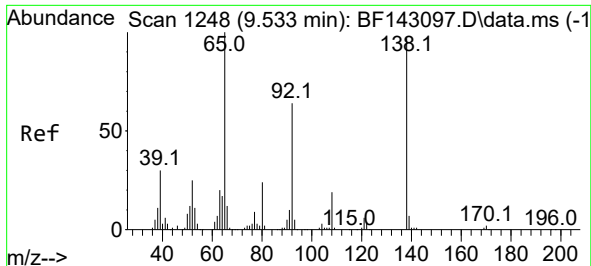
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.6 28.0

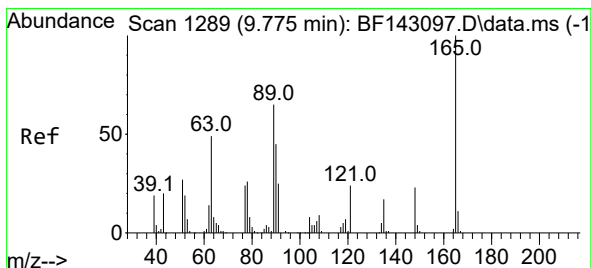
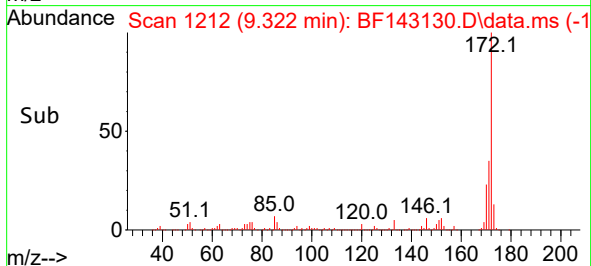
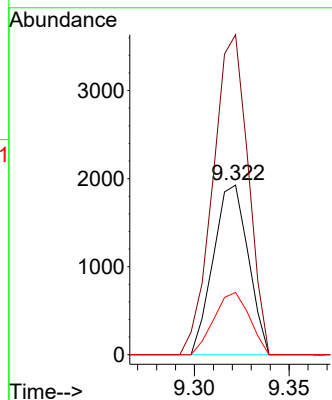
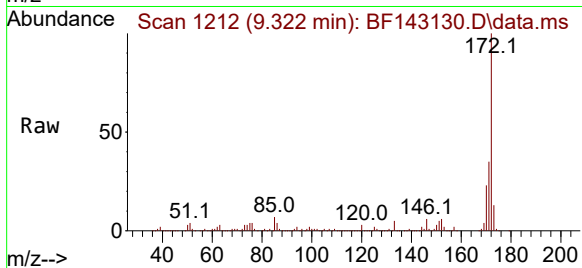




#48
2-Nitroaniline
Concen: 3.628 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

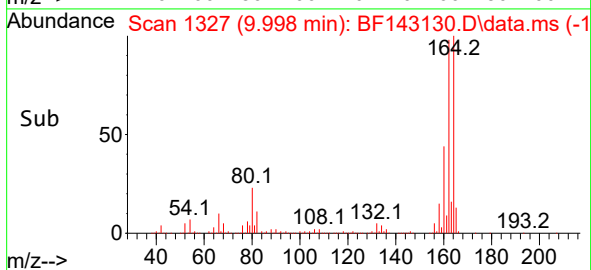
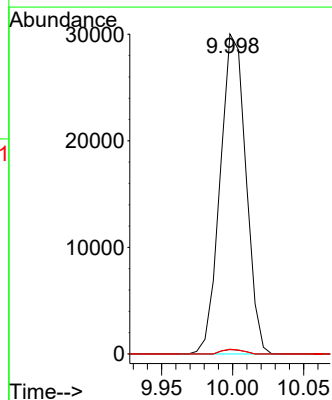
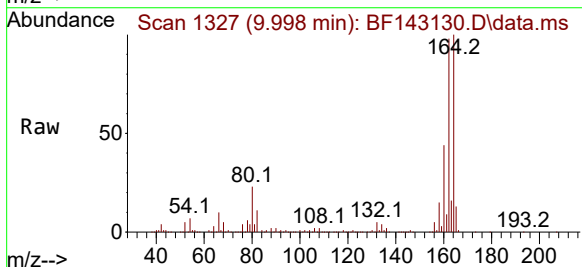
Instrument :
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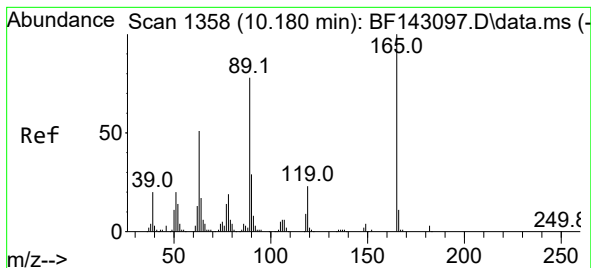
Tgt Ion: 65 Resp: 2473
Ion Ratio Lower Upper
65 100
92 188.6 51.3 76.9#
138 36.7 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.603 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion: 165 Resp: 37813
Ion Ratio Lower Upper
165 100
63 1.4 57.4 86.0#
89 1.5 51.8 77.8#





#57

2,4-Dinitrotoluene

Concen: 11.148 ng

RT: 9.998 min Scan# 11

Delta R.T. -0.182 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

Instrument :

BNA_F

ClientSampleId :

TP-17

Tgt Ion:165 Resp: 37813

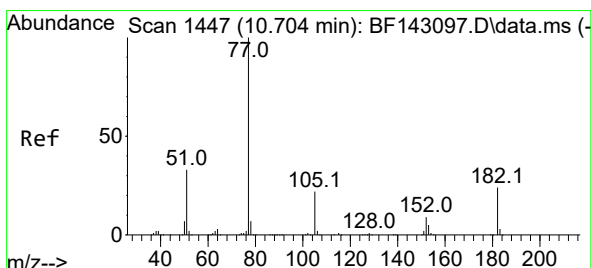
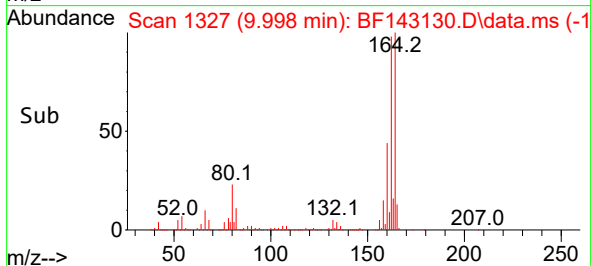
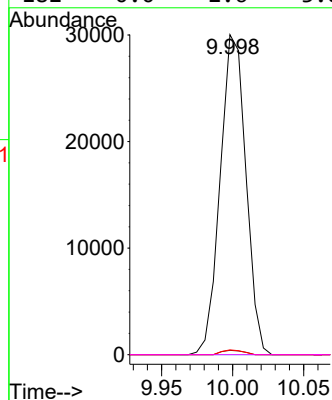
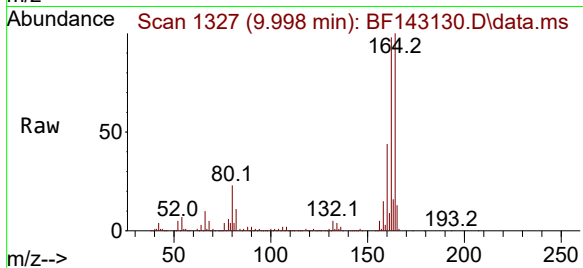
Ion Ratio Lower Upper

165 100

63 1.4 40.6 61.0#

89 1.5 62.3 93.5#

182 0.0 2.6 3.8#



#63

Azobenzene

Concen: 5.099 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

Tgt Ion: 77 Resp: 99965

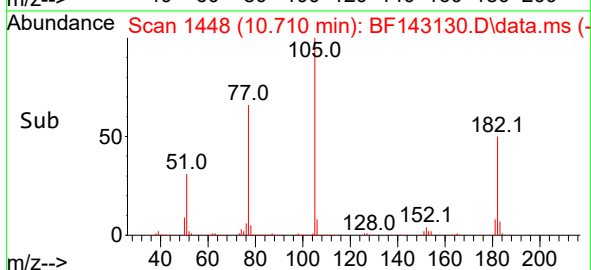
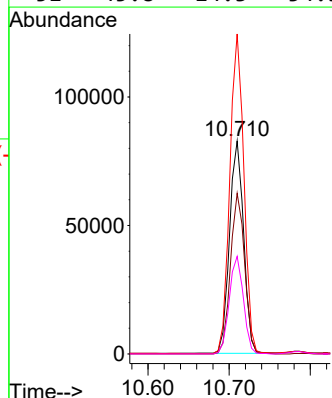
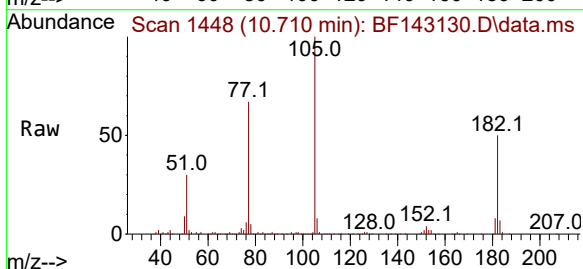
Ion Ratio Lower Upper

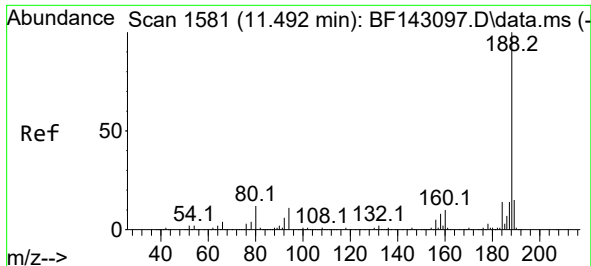
77 100

182 75.4 4.0 44.0#

105 150.2 1.4 41.4#

51 45.8 14.3 54.3

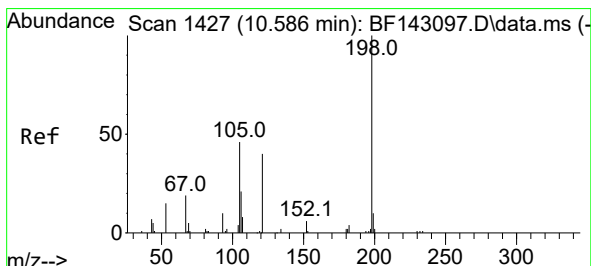
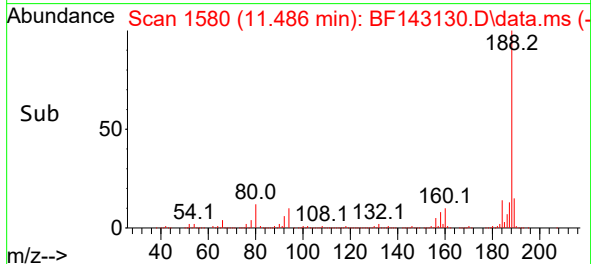
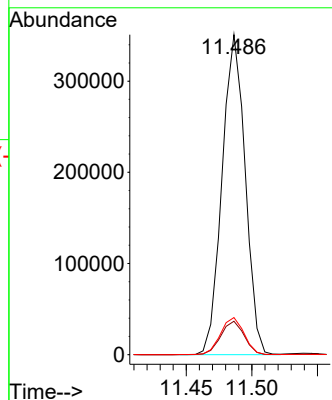
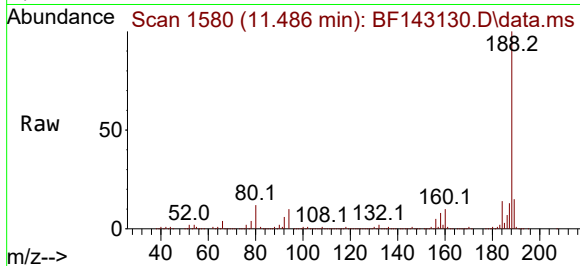




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

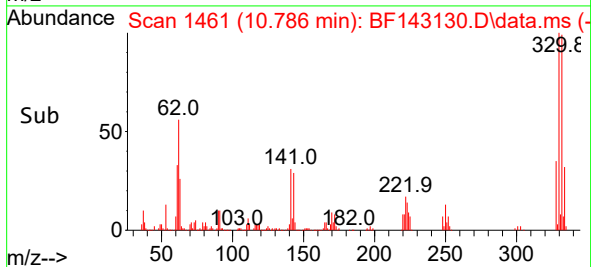
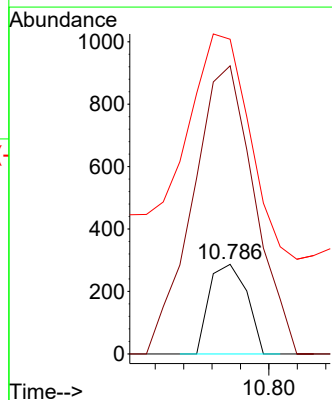
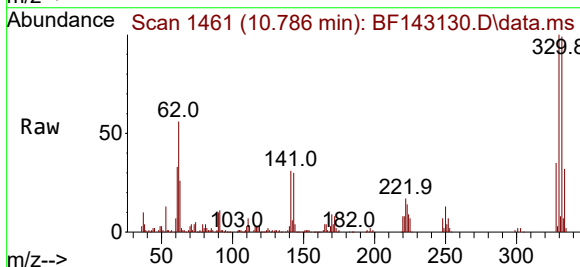
Instrument :
BNA_F
ClientSampleId :
TP-17

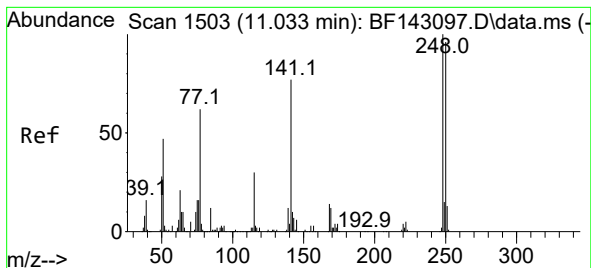
Tgt Ion:188 Resp: 430581
Ion Ratio Lower Upper
188 100
94 10.4 8.6 13.0
80 11.6 9.3 13.9



#65
4,6-Dinitro-2-methylphenol
Concen: 5.631 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion:198 Resp: 263
Ion Ratio Lower Upper
198 100
51 321.6 44.6 84.6#
105 351.2 29.3 69.3#

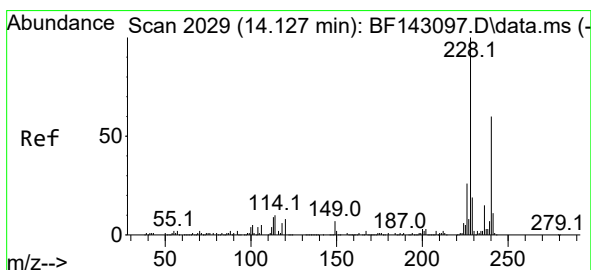
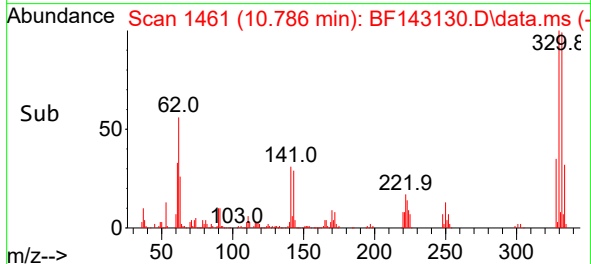
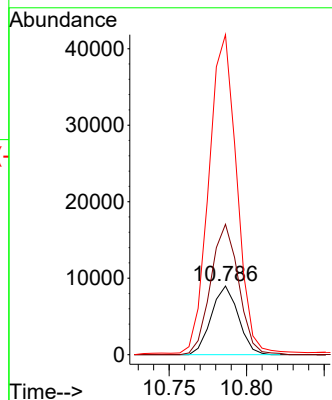
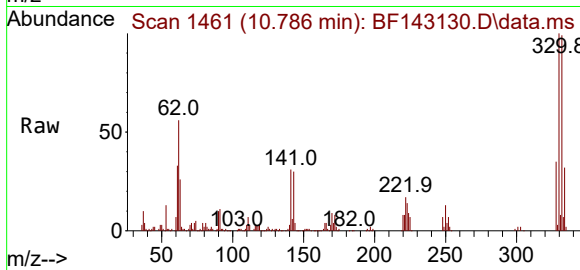




#67
4-Bromophenyl-phenylether
Concen: 2.218 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

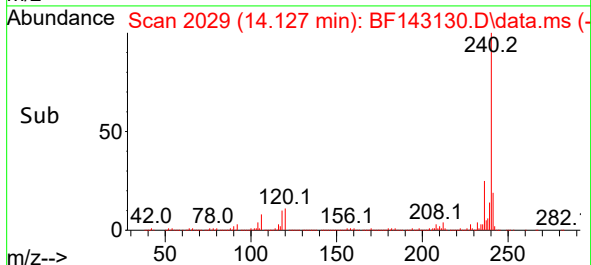
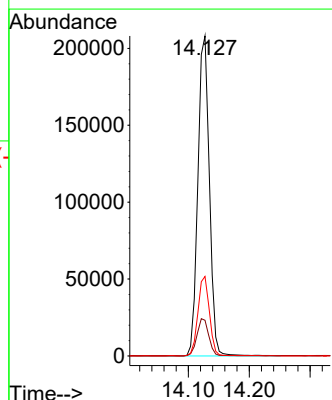
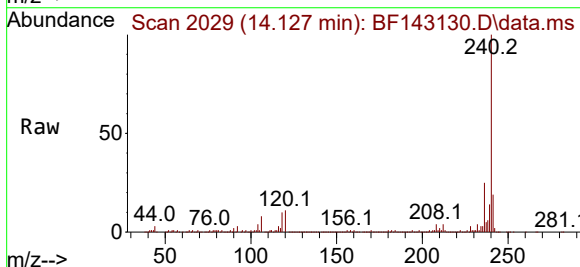
Instrument :
BNA_F
ClientSampleId :
TP-17

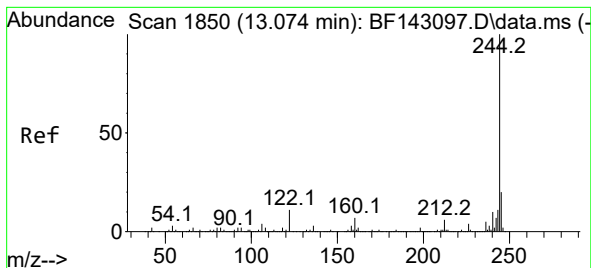
Tgt Ion:248 Resp: 10861
Ion Ratio Lower Upper
248 100
250 190.1 76.7 115.1#
141 466.4 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143130.D
Acq: 17 Jul 2025 02:04

Tgt Ion:240 Resp: 272653
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 24.9 20.0 30.0





#79

Terphenyl-d14

Concen: 50.488 ng

RT: 13.069 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

Instrument :

BNA_F

ClientSampleId :

TP-17

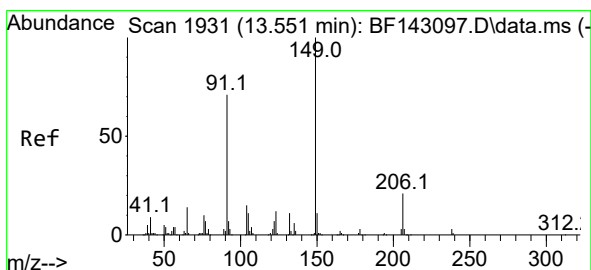
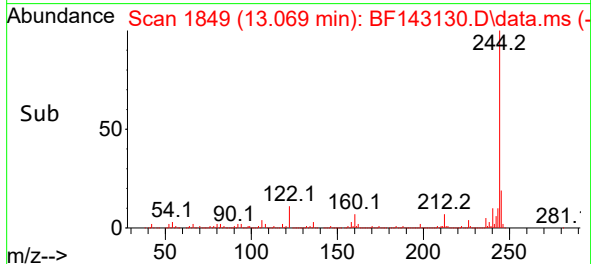
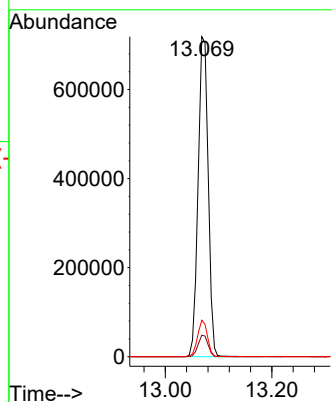
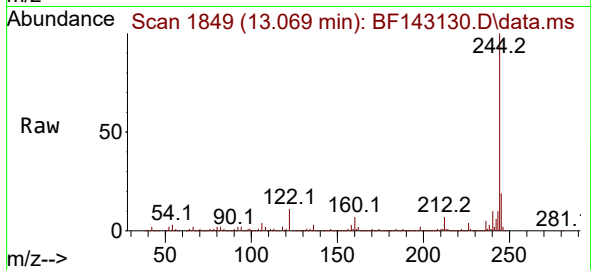
Tgt Ion:244 Resp: 941680

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 11.4 8.8 13.2



#80

Butylbenzylphthalate

Concen: 3.467 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.012 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

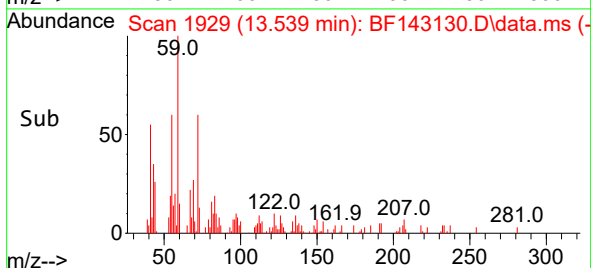
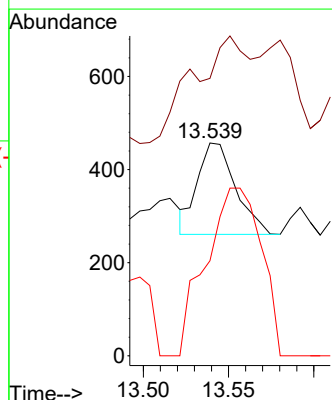
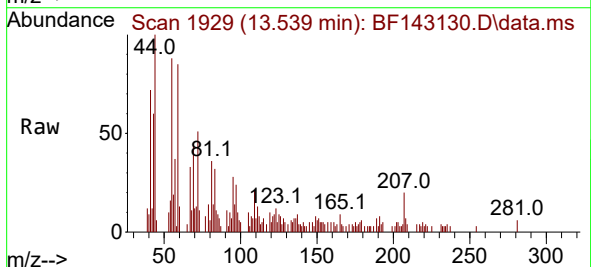
Tgt Ion:149 Resp: 304

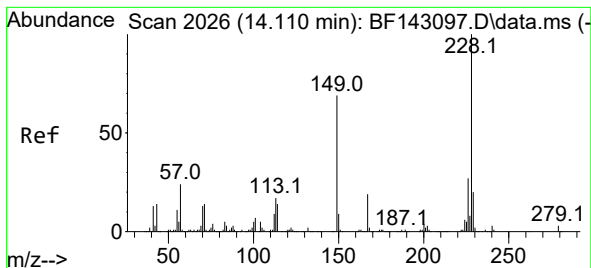
Ion Ratio Lower Upper

149 100

91 130.4 57.0 85.4#

206 44.6 17.2 25.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.555 ng

RT: 14.104 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

Instrument :

BNA_F

ClientSampleId :

TP-17

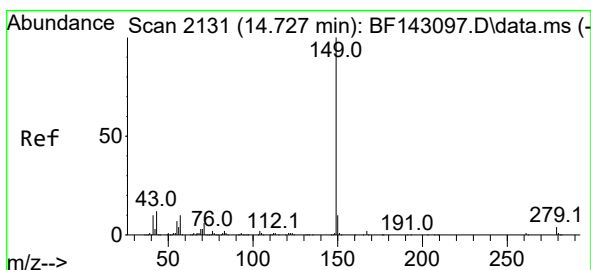
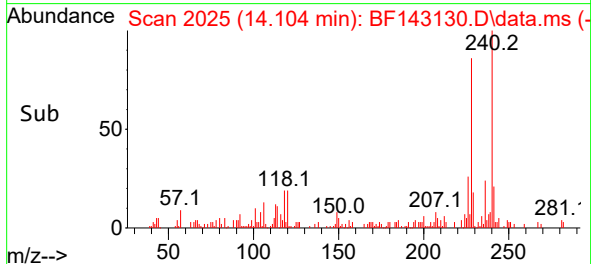
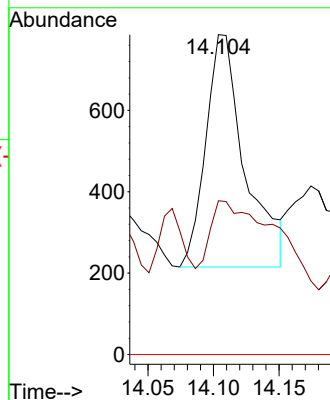
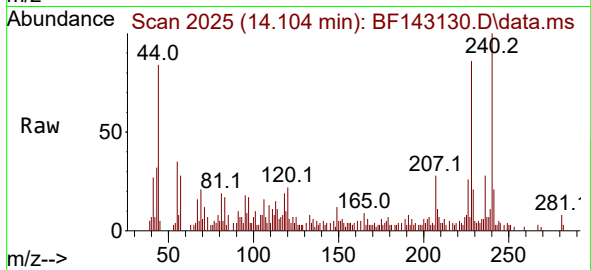
Tgt Ion:149 Resp: 1186

Ion Ratio Lower Upper

149 100

167 48.1 21.9 32.9#

279 0.0 3.4 5.0#



#85

Di-n-octyl phthalate

Concen: 6.698 ng

RT: 14.704 min Scan# 2127

Delta R.T. -0.023 min

Lab File: BF143130.D

Acq: 17 Jul 2025 02:04

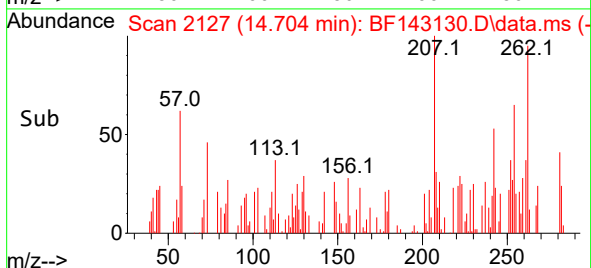
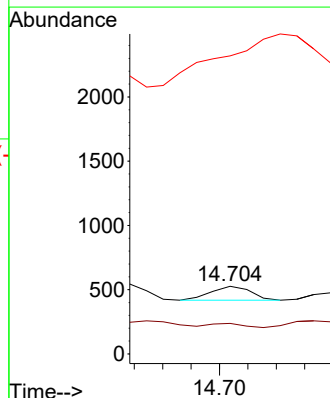
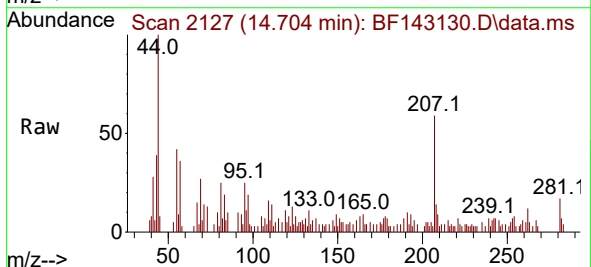
Tgt Ion:149 Resp: 106

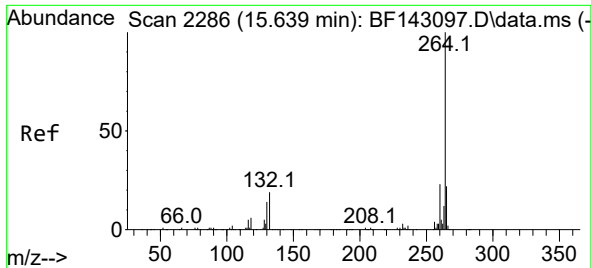
Ion Ratio Lower Upper

149 100

167 60.4 1.2 1.8#

43 0.0 10.6 16.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143130.D
 Acq: 17 Jul 2025 02:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-17

Tgt Ion:264 Resp: 332670
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 21.4 17.5 26.3

