

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143124.D
 Acq On : 16 Jul 2025 23:08
 Operator : RC/JU
 Sample : Q2600-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH

Quant Time: Jul 17 03:47:11 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)

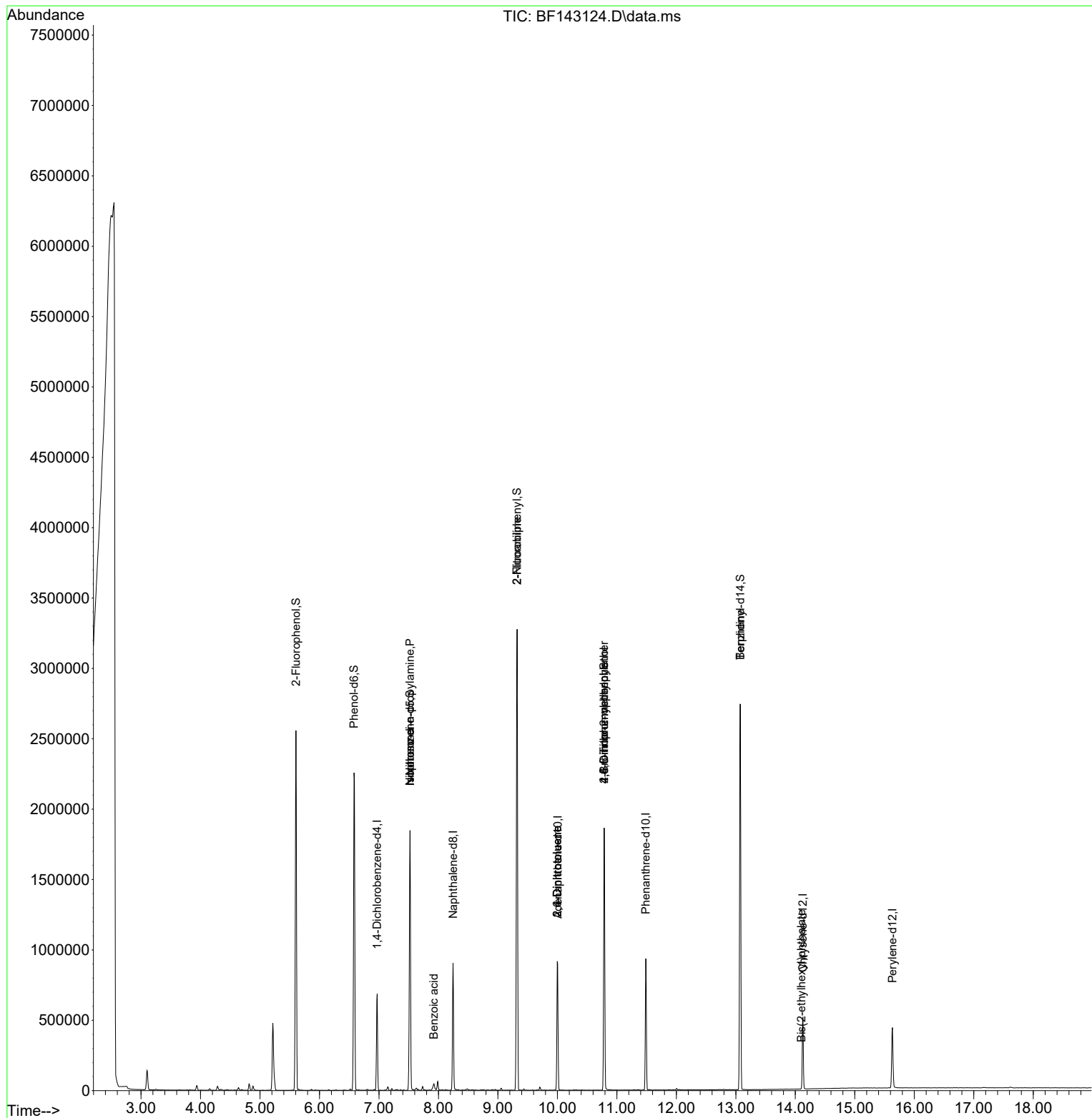
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	141466	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	534978	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274969	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	455375	20.000	ng	0.00
76) Chrysene-d12	14.127	240	246940	20.000	ng	0.00
86) Perylene-d12	15.633	264	251795	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	944976	105.538	ng	0.02
7) Phenol-d6	6.581	99	1107023	98.358	ng	0.00
23) Nitrobenzene-d5	7.522	82	809693	84.905	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	322860	131.685	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1467174	70.927	ng	0.00
79) Terphenyl-d14	13.074	244	1335063	79.032	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	111300	16.141	ng	# 78
25) Isophorone	7.522	82	807701	43.819	ng	# 65
32) Benzoic acid	7.922	122	14322	9.424	ng	96
48) 2-Nitroaniline	9.322	65	2568	3.674	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	35439	12.560	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	35439	11.113	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	566	5.811	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19893	3.841	ng	# 1
77) Benzidine	13.074	184	17228	2.048	ng	# 97
84) Bis(2-ethylhexyl)phtha...	14.104	149	460	3.473	ng	# 53

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

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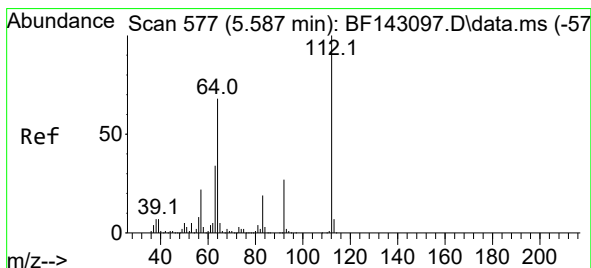
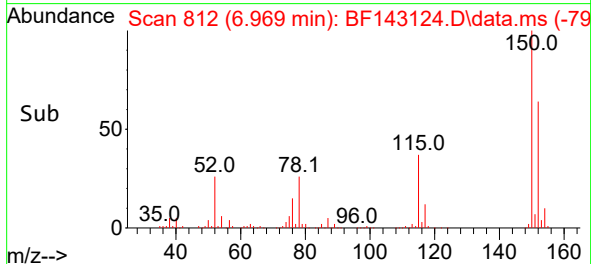
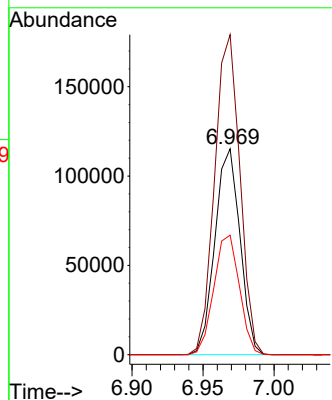
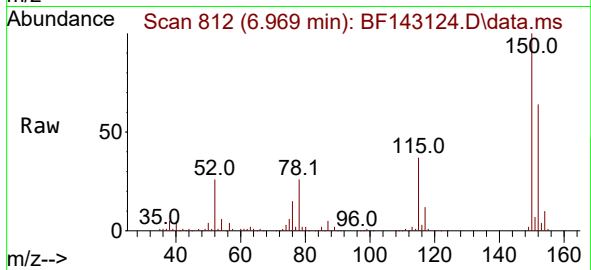




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

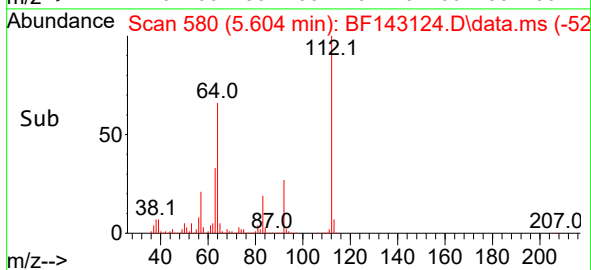
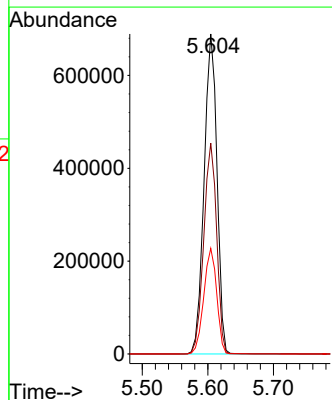
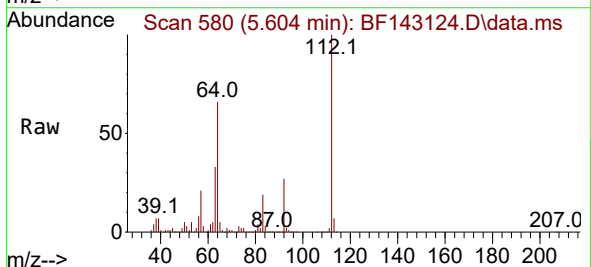
Instrument :
BNA_F
ClientSampleId :
TRENCH

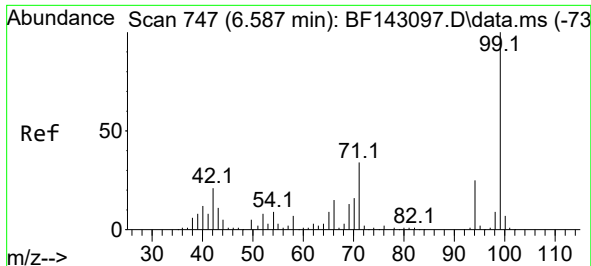
Tgt Ion:152 Resp: 141466
Ion Ratio Lower Upper
152 100
150 155.4 126.5 189.7
115 58.0 47.0 70.6



#5
2-Fluorophenol
Concen: 105.538 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:112 Resp: 944976
Ion Ratio Lower Upper
112 100
64 65.9 54.6 82.0
63 33.0 27.3 40.9

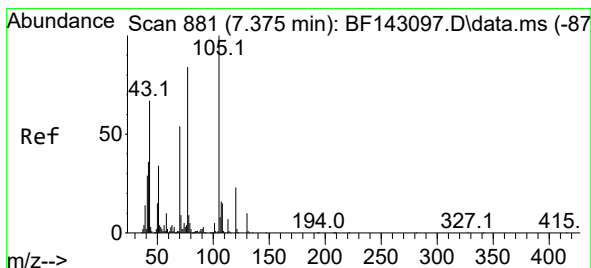
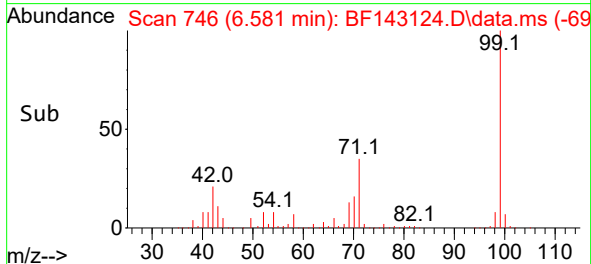
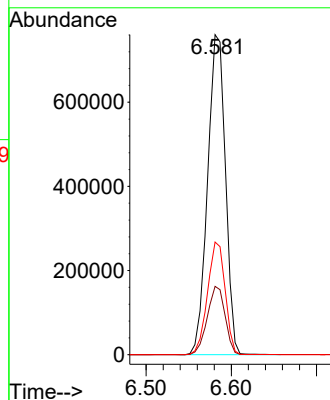
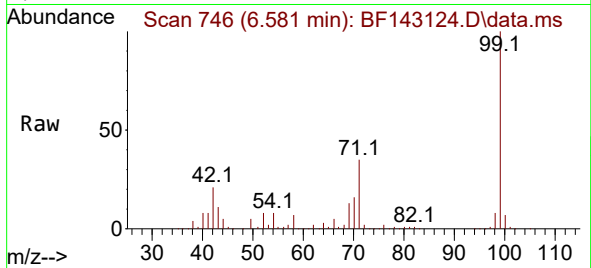




#7
Phenol-d6
Concen: 98.358 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

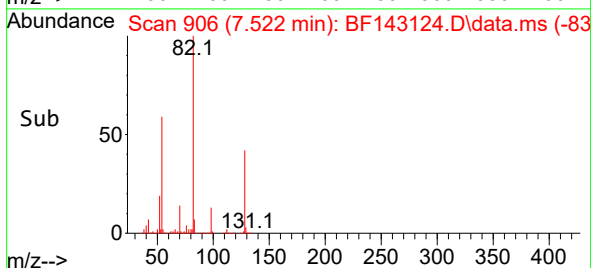
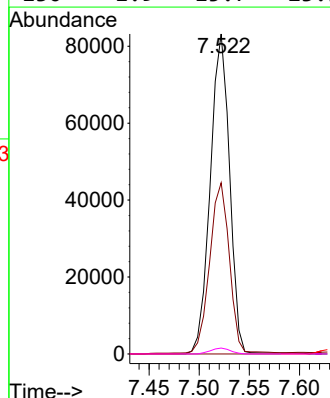
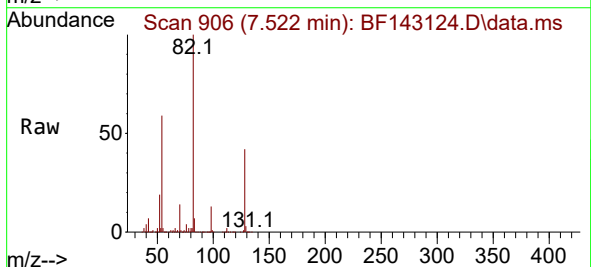
Instrument :
BNA_F
ClientSampleId :
TRENCH

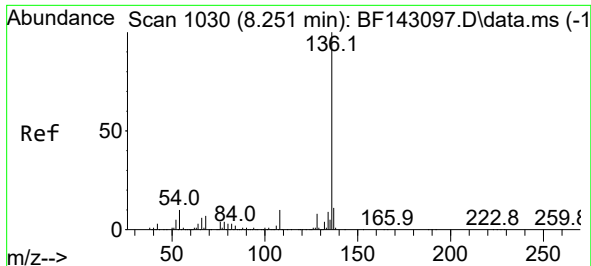
Tgt Ion: 99 Resp: 1107023
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.2 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.141 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion: 70 Resp: 111300
Ion Ratio Lower Upper
70 100
42 53.5 53.2 79.8
101 0.0 7.5 11.3#
130 1.9 15.7 23.5#

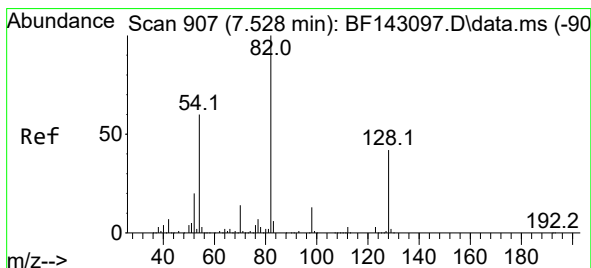
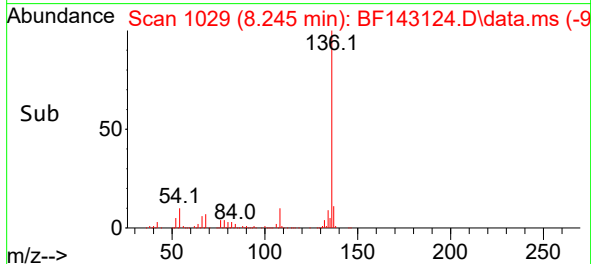
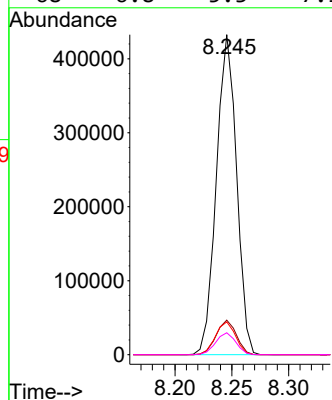
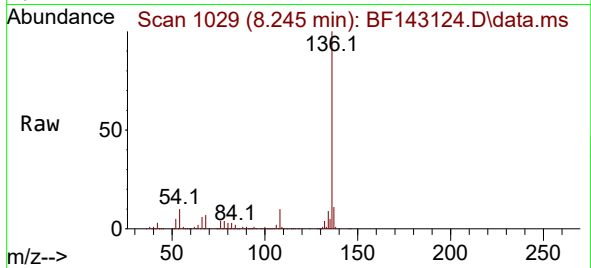




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

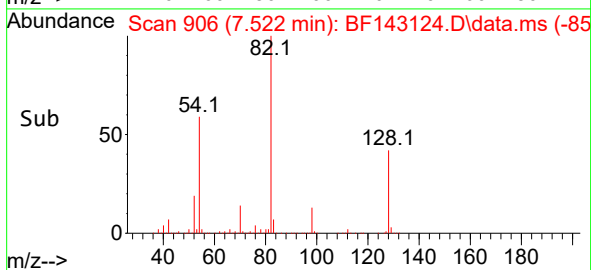
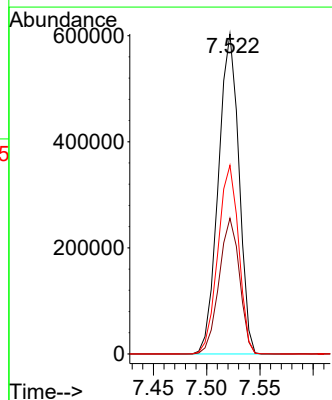
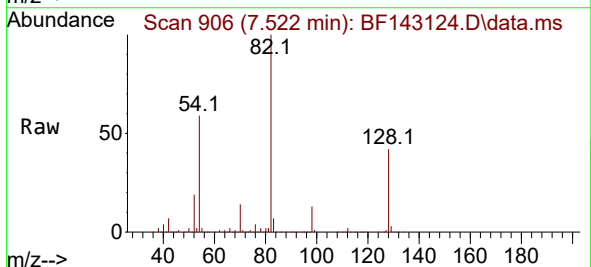
Instrument :
BNA_F
ClientSampleId :
TRENCH

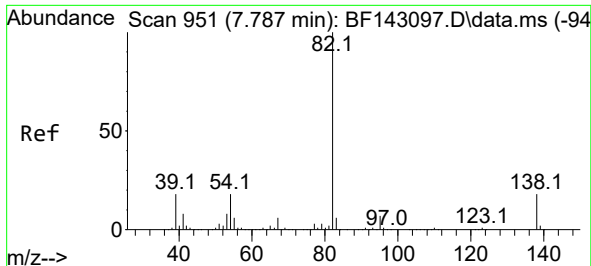
Tgt Ion:	136	Resp:	534978
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.2	8.3	12.5
68	6.8	5.3	7.9



#23
Nitrobenzene-d5
Concen: 84.905 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:	82	Resp:	809693
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	59.0	47.4	71.2

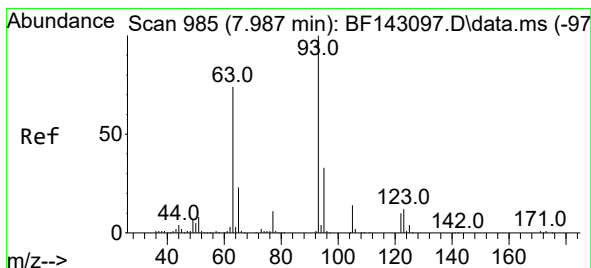
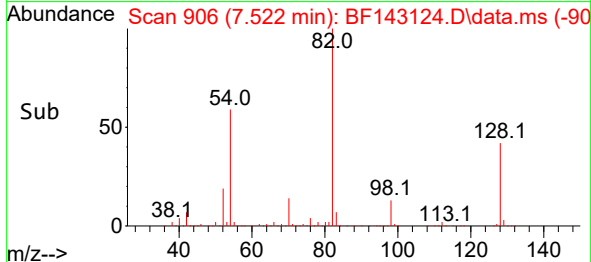
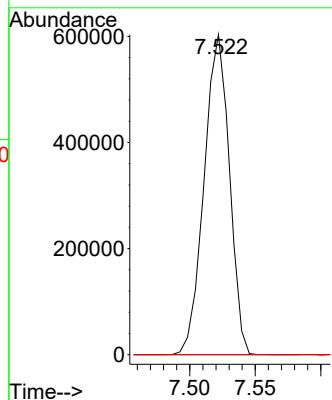
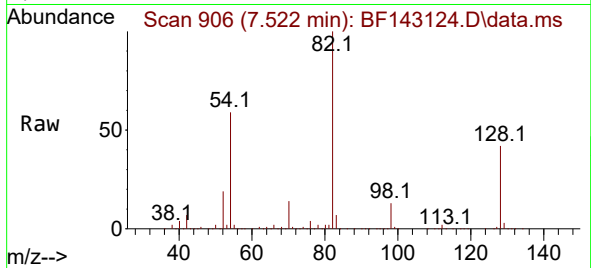




#25
Isophorone
Concen: 43.819 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

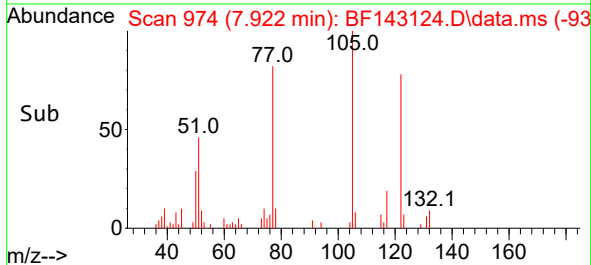
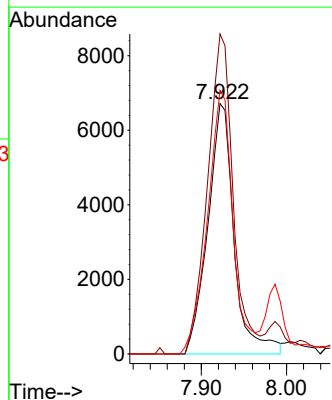
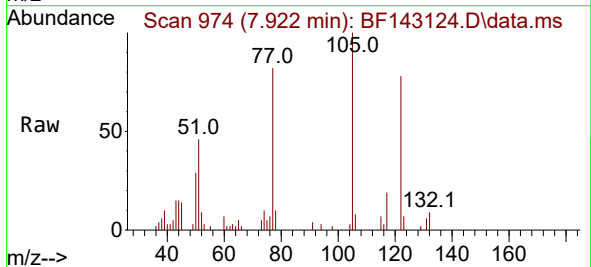
Instrument :
BNA_F
ClientSampleId :
TRENCH

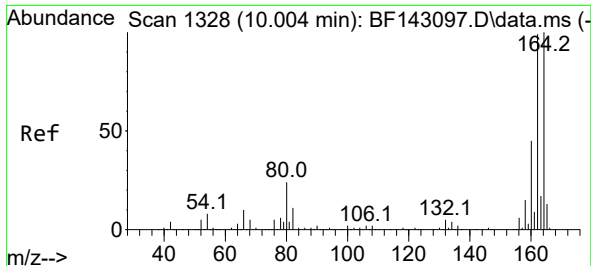
Tgt Ion: 82 Resp: 807701
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 9.424 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:122 Resp: 14322
Ion Ratio Lower Upper
122 100
105 127.8 105.4 145.4
77 105.3 78.6 118.6

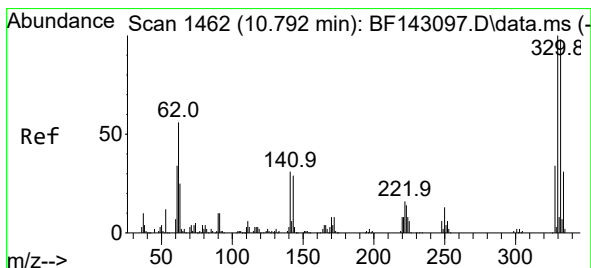
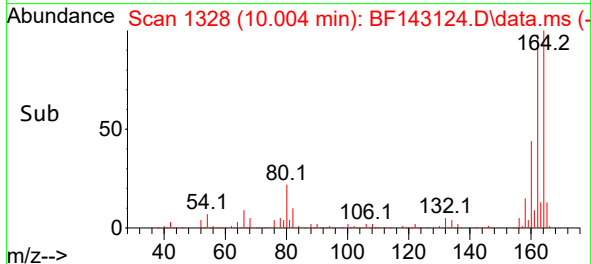
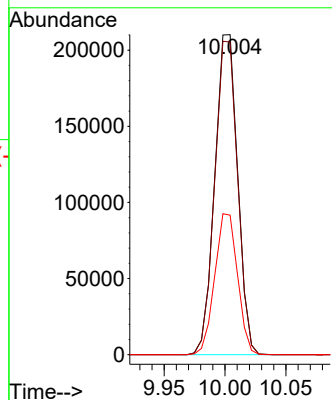
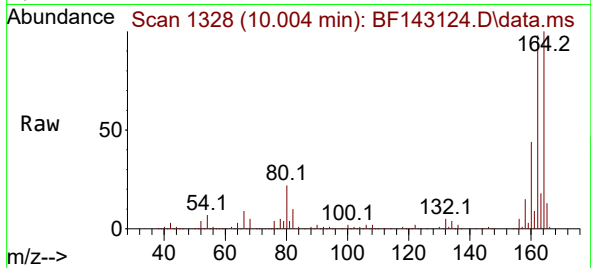




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

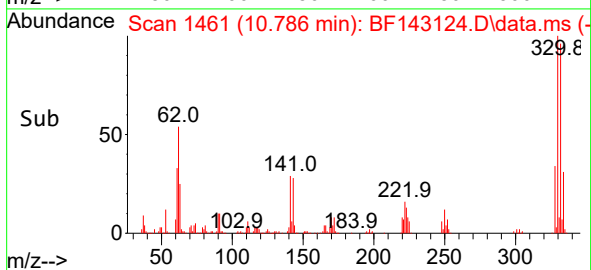
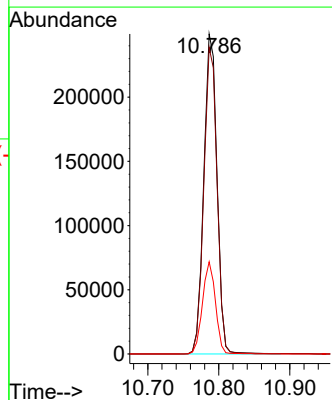
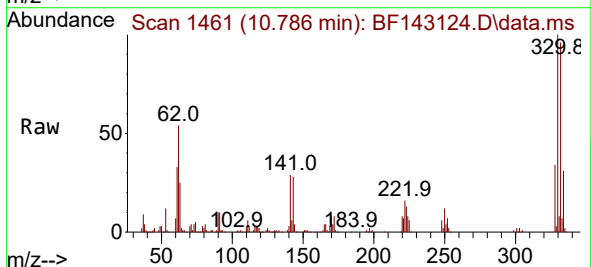
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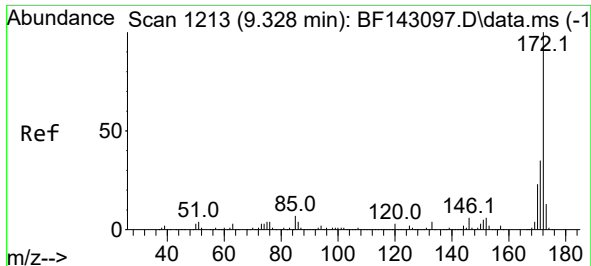
Tgt Ion:164 Resp: 274969
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 43.6 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 131.685 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:330 Resp: 322860
Ion Ratio Lower Upper
330 100
332 96.2 77.9 116.9
141 28.4 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 70.927 ng

RT: 9.322 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

Instrument :

BNA_F

ClientSampleId :

TRENCH

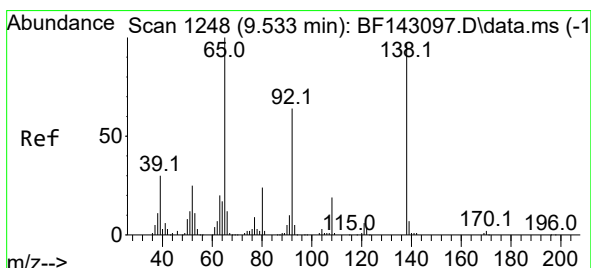
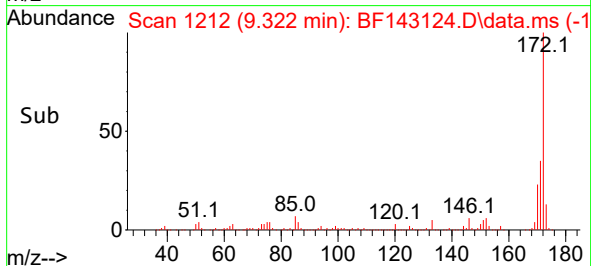
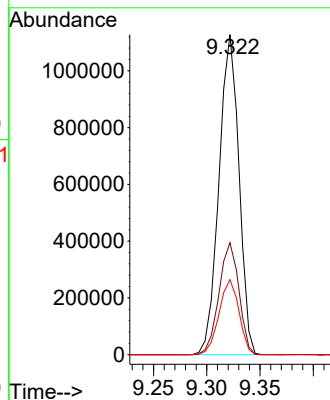
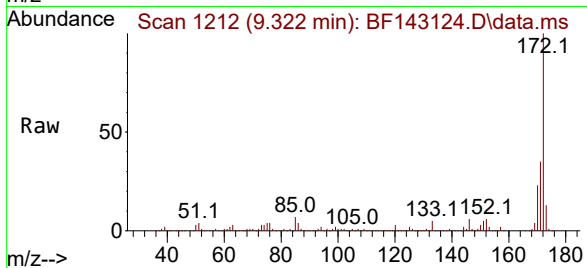
Tgt Ion:172 Resp: 1467174

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.5 18.6 28.0



#48

2-Nitroaniline

Concen: 3.674 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.211 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

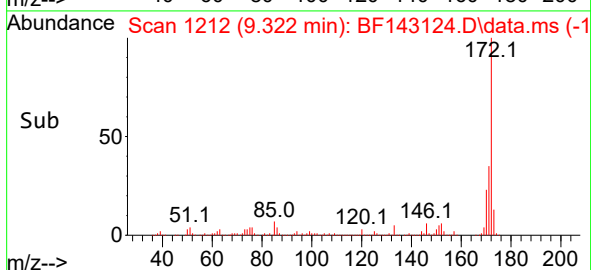
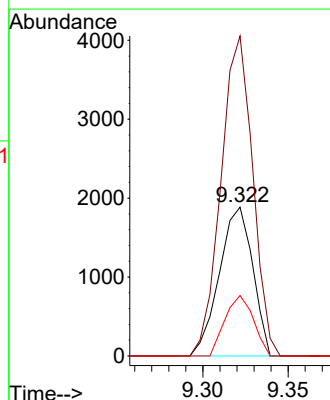
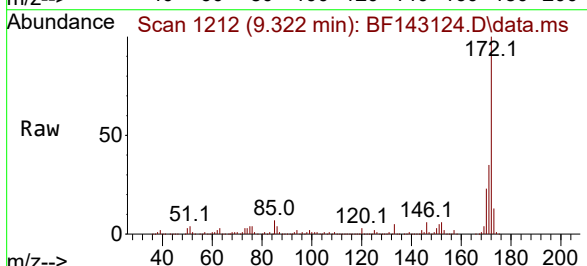
Tgt Ion: 65 Resp: 2568

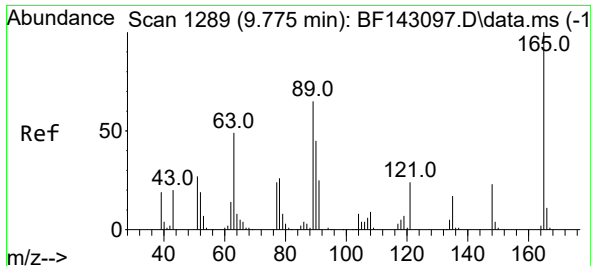
Ion Ratio Lower Upper

65 100

92 215.1 51.3 76.9#

138 40.6 77.8 116.6#





#51

2,6-Dinitrotoluene

Concen: 12.560 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.223 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

Instrument :

BNA_F

ClientSampleId :

TRENCH

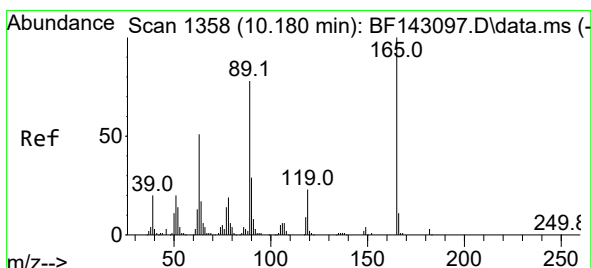
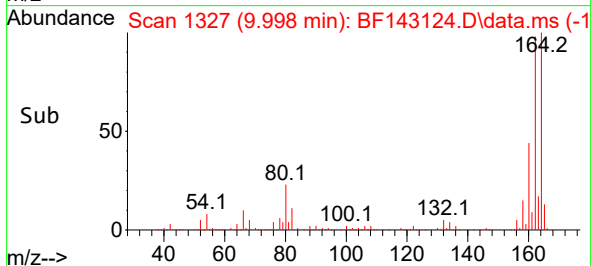
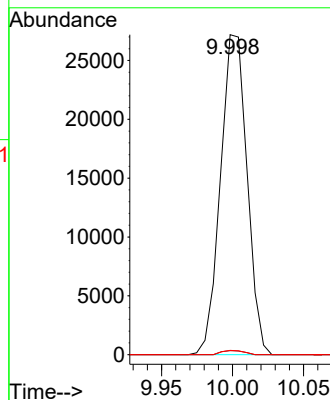
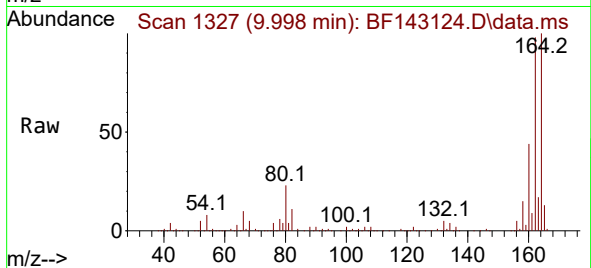
Tgt Ion:165 Resp: 35439

Ion Ratio Lower Upper

165 100

63 1.3 57.4 86.0#

89 1.3 51.8 77.8#



#57

2,4-Dinitrotoluene

Concen: 11.113 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.182 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

Tgt Ion:165 Resp: 35439

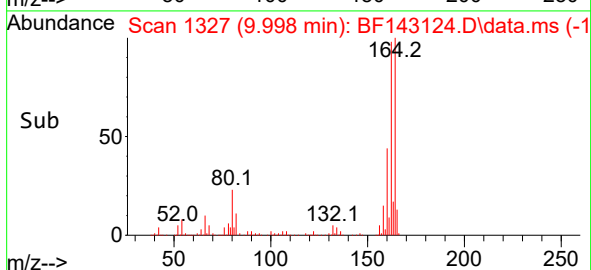
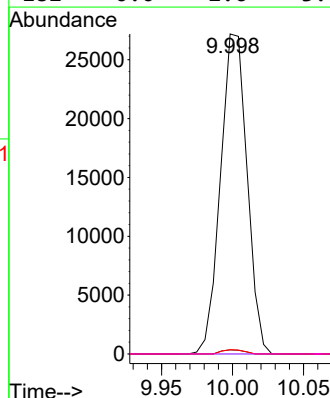
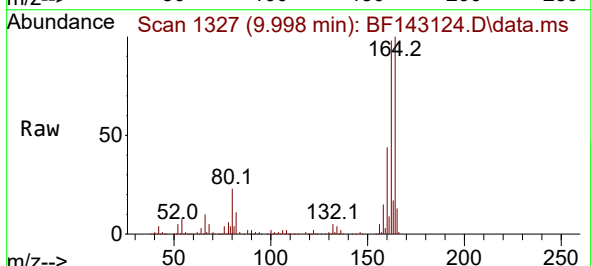
Ion Ratio Lower Upper

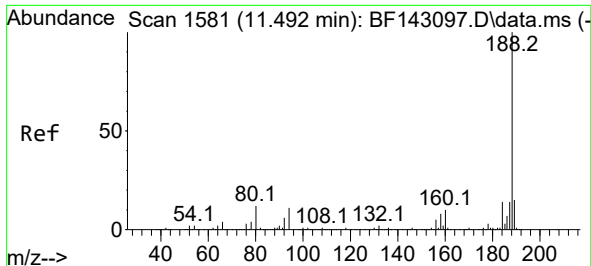
165 100

63 1.3 40.6 61.0#

89 1.3 62.3 93.5#

182 0.0 2.6 3.8#

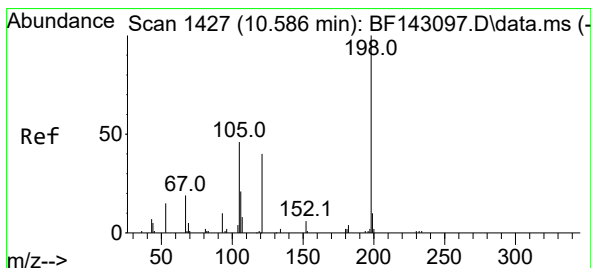
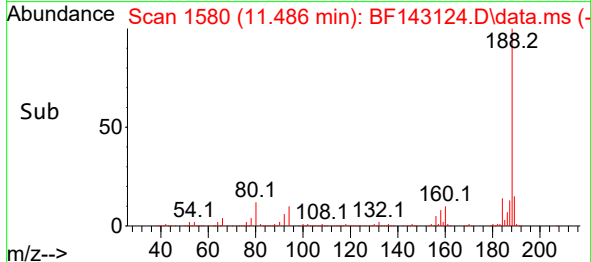
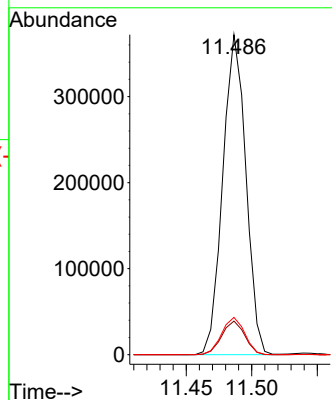
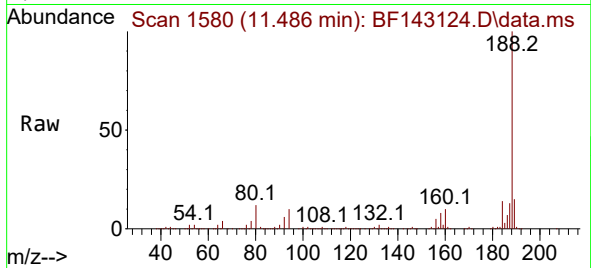




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

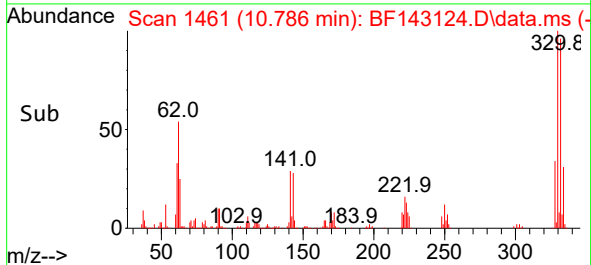
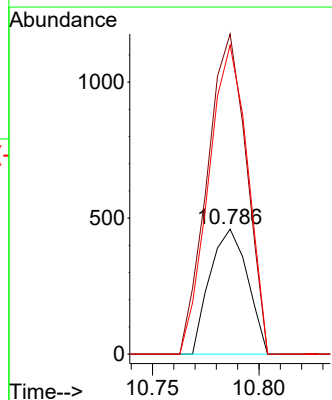
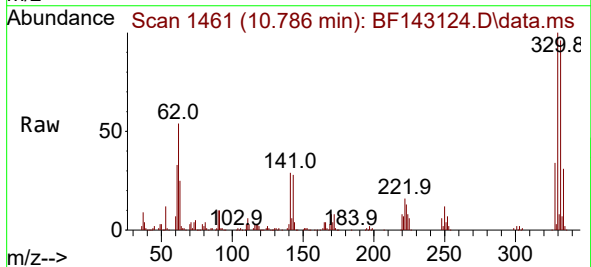
Instrument :
BNA_F
ClientSampleId :
TRENCH

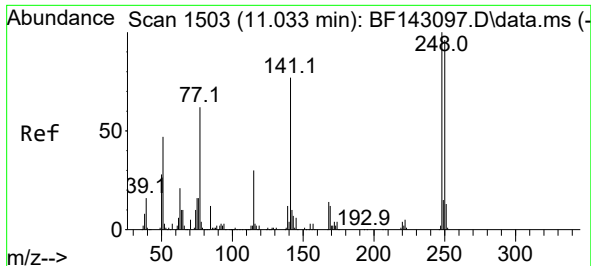
Tgt Ion:188 Resp: 455375
Ion Ratio Lower Upper
188 100
94 10.5 8.6 13.0
80 11.7 9.3 13.9



#65
4,6-Dinitro-2-methylphenol
Concen: 5.811 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:198 Resp: 566
Ion Ratio Lower Upper
198 100
51 256.4 44.6 84.6#
105 247.5 29.3 69.3#

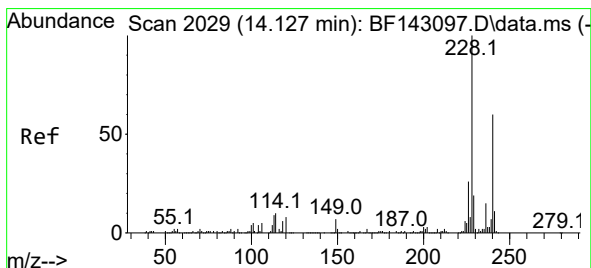
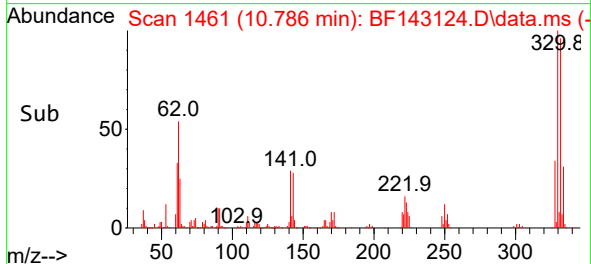
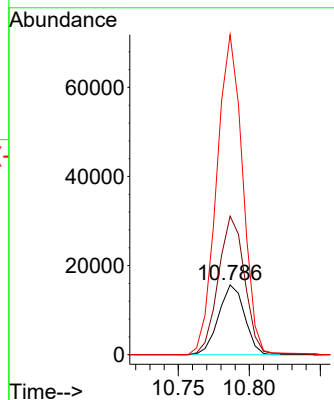
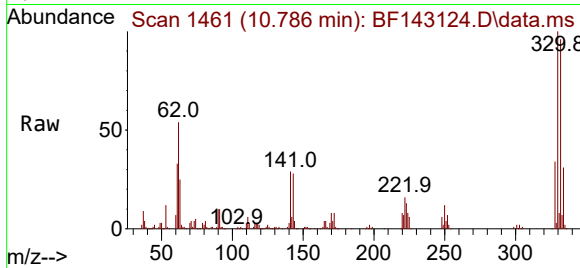




#67
4-Bromophenyl-phenylether
Concen: 3.841 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

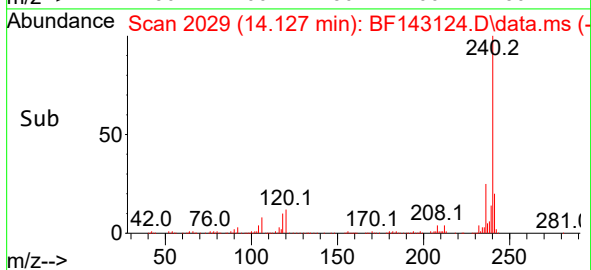
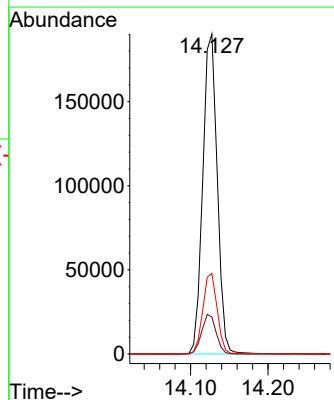
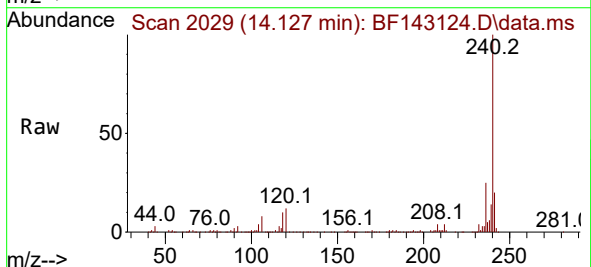
Instrument :
BNA_F
ClientSampleId :
TRENCH

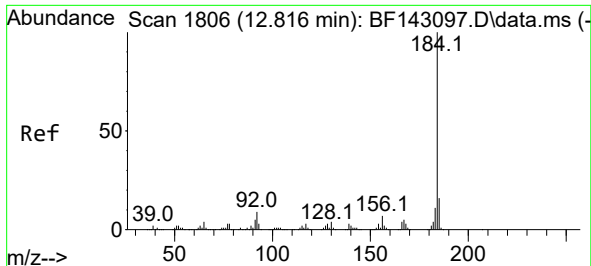
Tgt Ion:248 Resp: 19893
Ion Ratio Lower Upper
248 100
250 198.6 76.7 115.1#
141 458.7 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:240 Resp: 246940
Ion Ratio Lower Upper
240 100
120 11.6 10.0 15.0
236 25.1 20.0 30.0

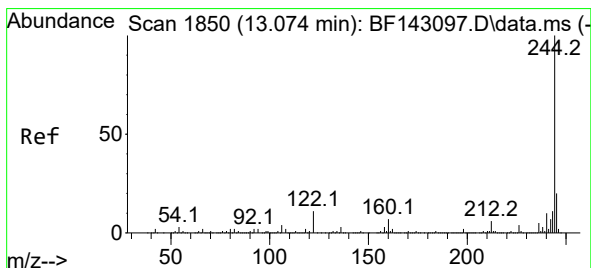
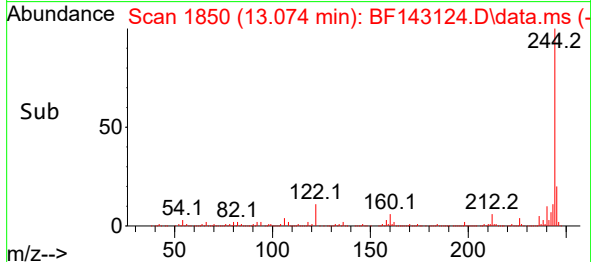
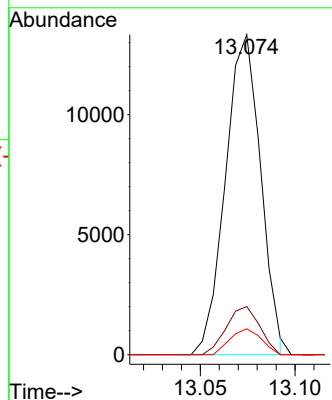
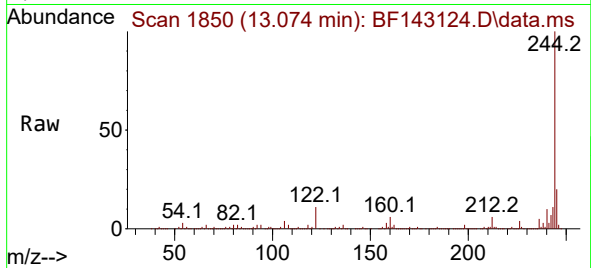




#77
Benzidine
Concen: 2.048 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.259 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

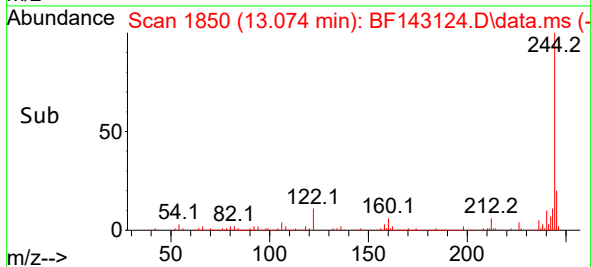
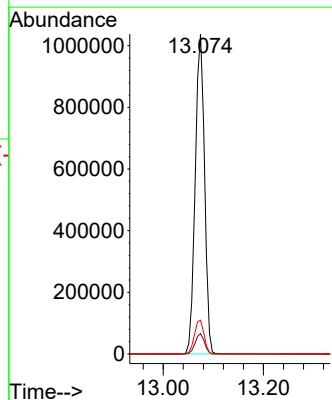
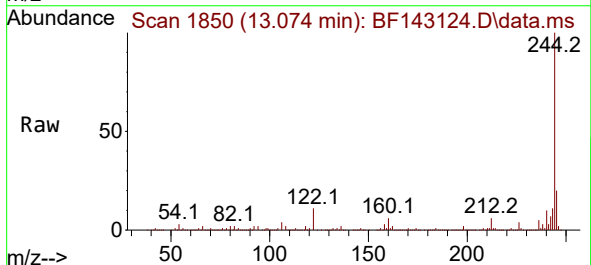
Instrument :
BNA_F
ClientSampleId :
TRENCH

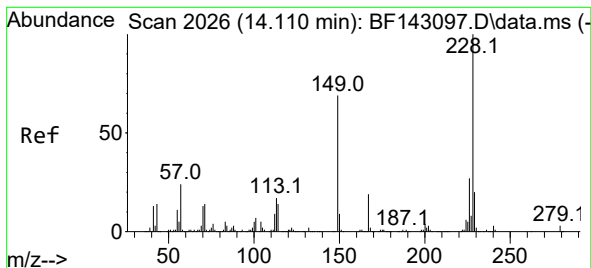
Tgt Ion:184 Resp: 17228
Ion Ratio Lower Upper
184 100
185 15.0 12.4 18.6
183 8.1 8.6 12.8#



#79
Terphenyl-d14
Concen: 79.032 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:244 Resp: 1335063
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 10.6 8.8 13.2

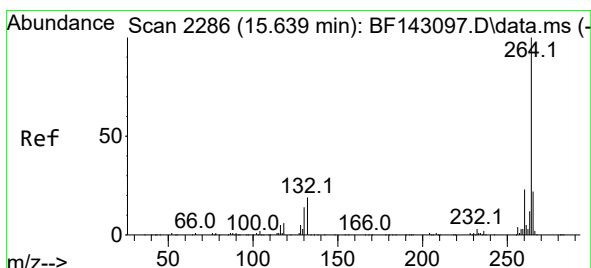
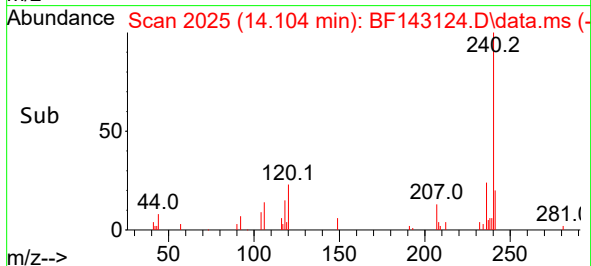
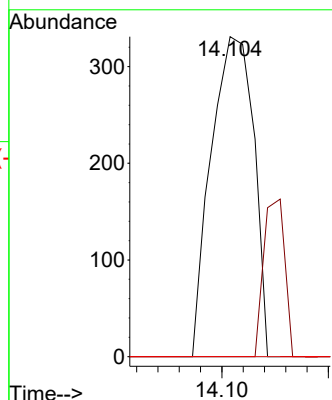
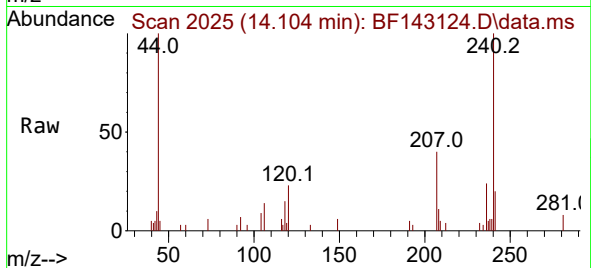




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.473 ng
RT: 14.104 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion:149 Resp: 460
Ion Ratio Lower Upper
149 100
167 0.0 21.9 32.9#
279 0.0 3.4 5.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:264 Resp: 251795
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.3 17.5 26.3

