

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143293.D
 Acq On : 04 Aug 2025 13:42
 Operator : RC/JU
 Sample : Q2736-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-073125

Quant Time: Aug 04 14:13:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

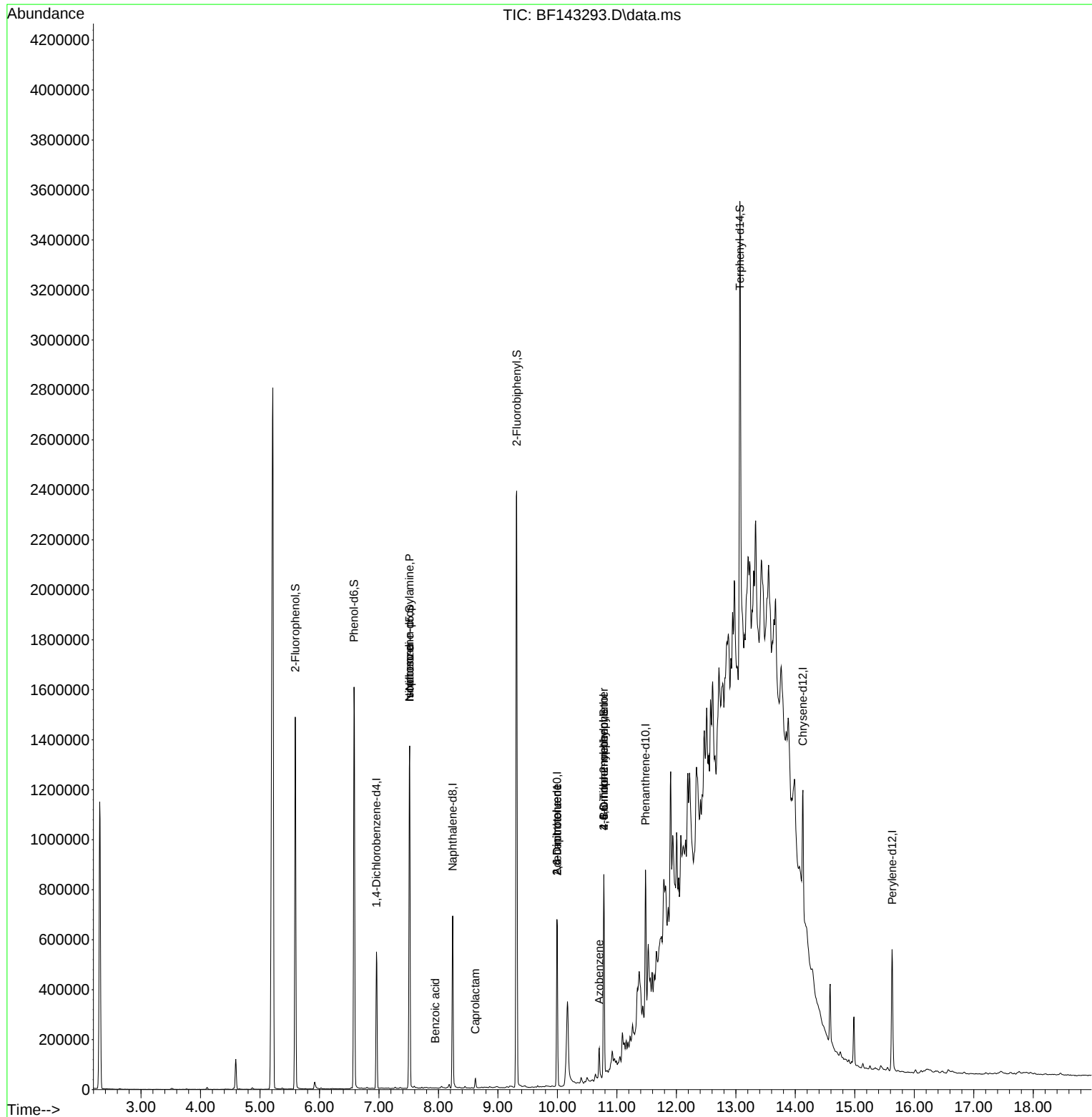
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	111159	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	416885	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	198077	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	301991	20.000	ng	0.00
76) Chrysene-d12	14.127	240	241316	20.000	ng	0.00
86) Perylene-d12	15.627	264	287630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	522576	74.394	ng	0.00
7) Phenol-d6	6.581	99	748542	84.662	ng	0.00
23) Nitrobenzene-d5	7.516	82	603336	72.141	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	136802	66.855	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1097975	75.810	ng	0.00
79) Terphenyl-d14	13.068	244	942902	58.145	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	81701	14.403	ng	# 80
25) Isophorone	7.516	82	597697	40.484	ng	# 66
32) Benzoic acid	7.945	122	282	5.243	ng	# 77
35) Caprolactam	8.622	113	4394	2.500	ng	# 90
51) 2,6-Dinitrotoluene	9.992	165	25075	9.547	ng	# 23
57) 2,4-Dinitrotoluene	9.992	165	25075	7.609	ng	# 21
63) Azobenzene	10.704	77	28911	2.174	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	198	5.523	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	8547	2.375	ng	# 1

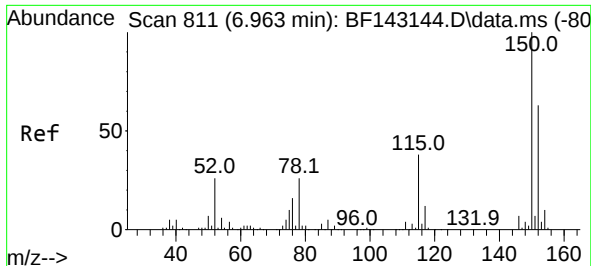
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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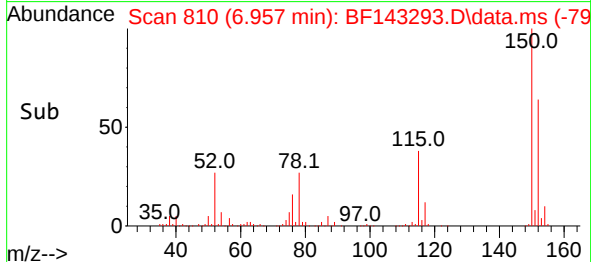
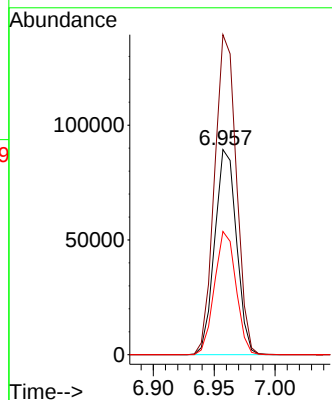
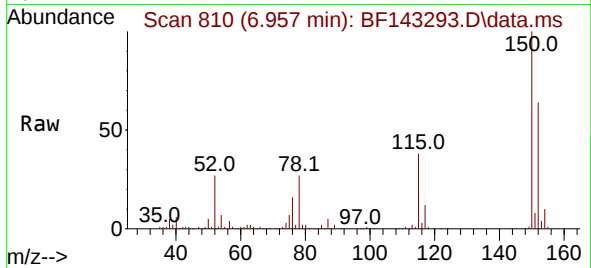




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

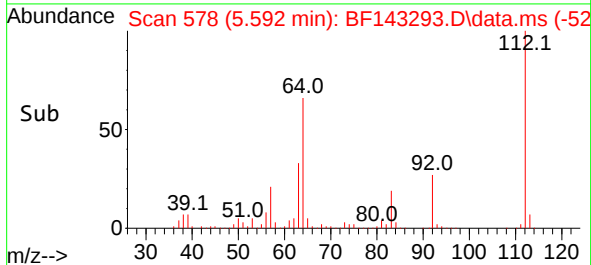
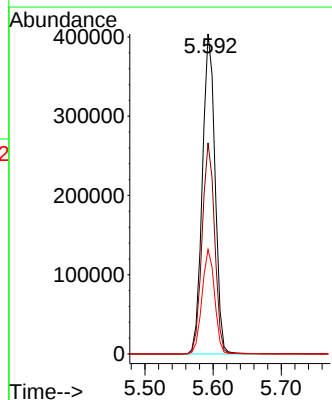
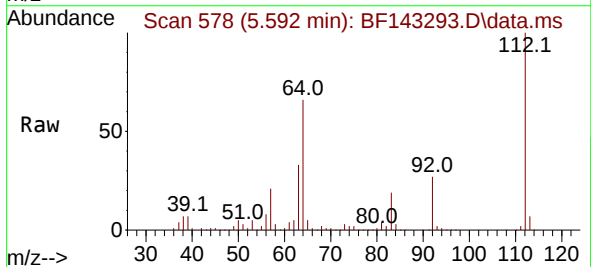
Instrument :
BNA_F
ClientSampleId :
PAD-073125

Tgt Ion:152 Resp: 111159
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.4
115 60.1 47.9 71.9



#5
2-Fluorophenol
Concen: 74.394 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion:112 Resp: 522576
Ion Ratio Lower Upper
112 100
64 66.0 53.1 79.7
63 32.7 26.6 40.0

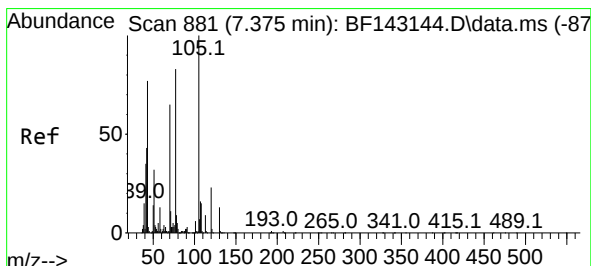
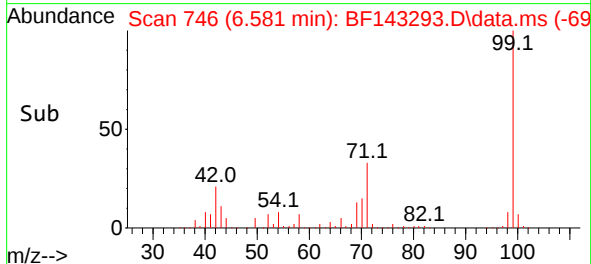
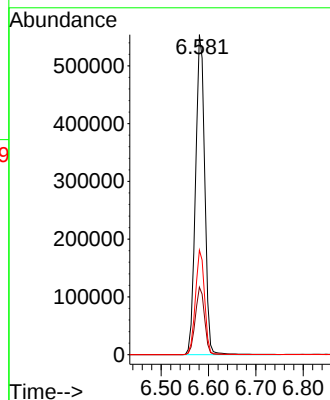
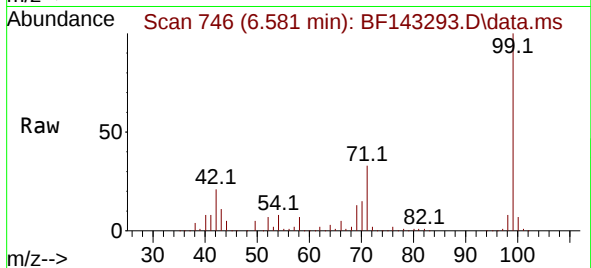




#7
Phenol-d6
Concen: 84.662 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

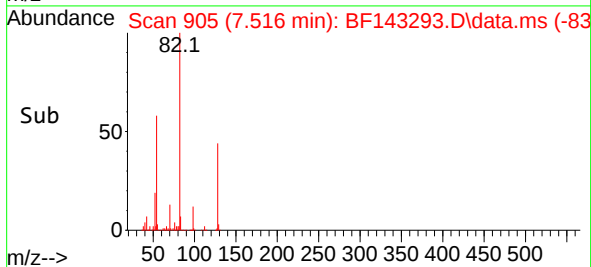
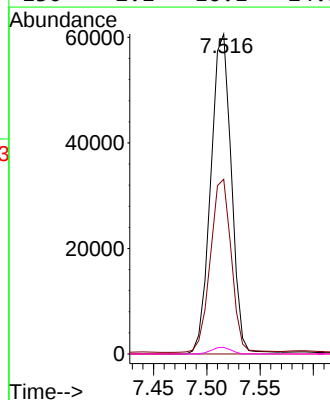
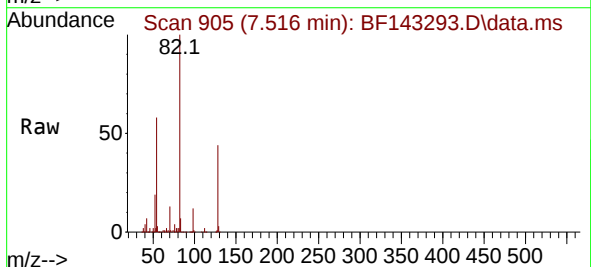
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BNA_F
ClientSampleId :
PAD-073125

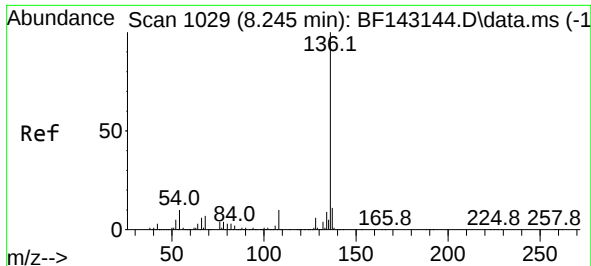
Tgt Ion: 99 Resp: 748542
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 32.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.403 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion: 70 Resp: 81701
Ion Ratio Lower Upper
70 100
42 54.6 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#

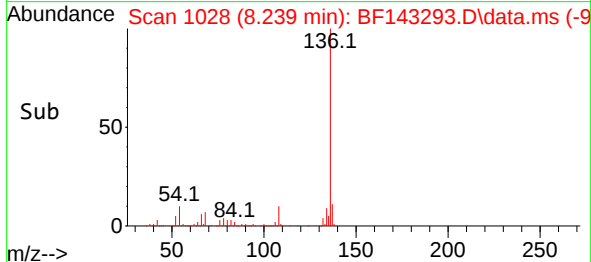
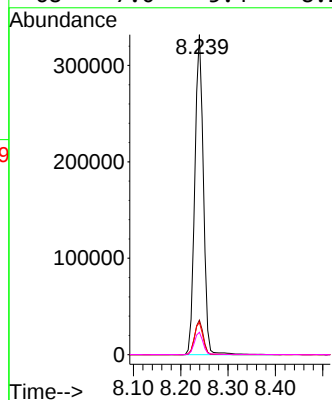
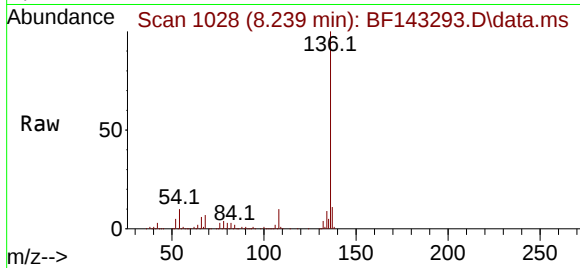




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

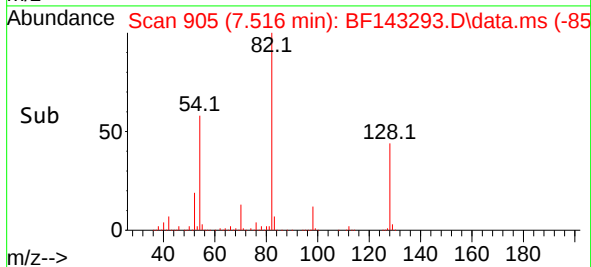
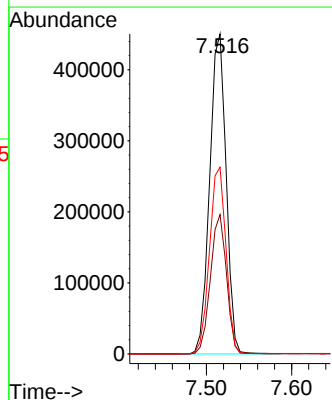
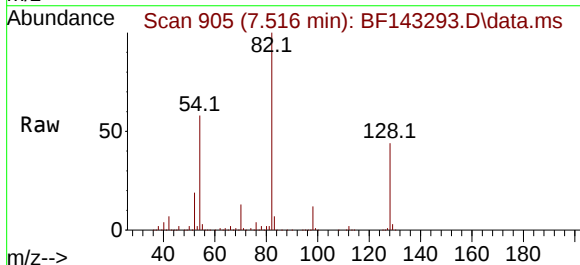
Instrument :
BNA_F
ClientSampleId :
PAD-073125

Tgt Ion:	136	Resp:	416885
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.1	8.2	12.2
68	7.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 72.141 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion:	82	Resp:	603336
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.6	50.4
54	58.3	47.1	70.7

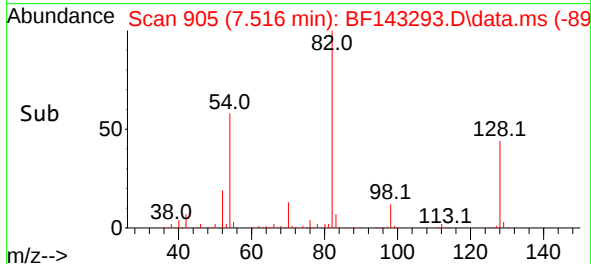
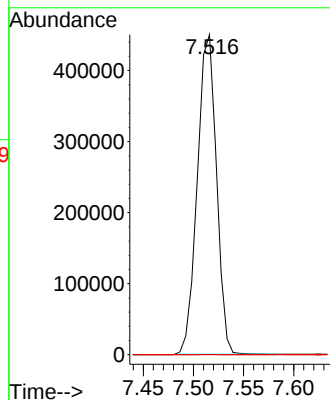
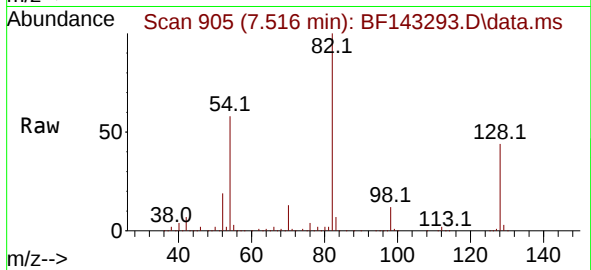




#25
Isophorone
Concen: 40.484 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

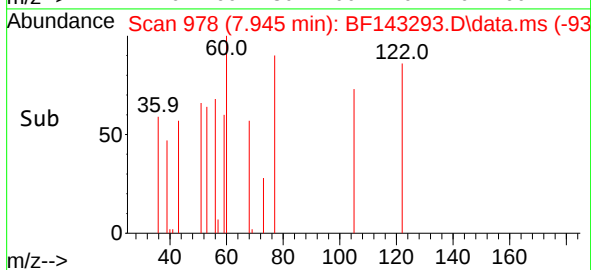
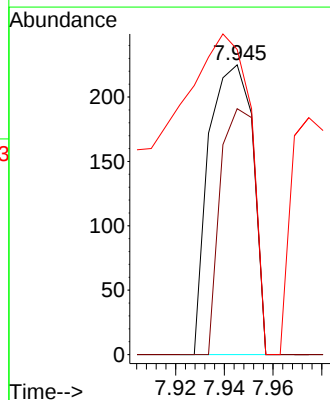
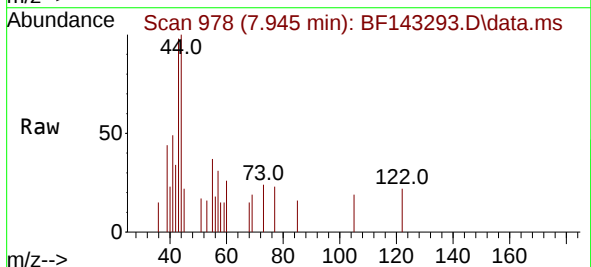
Instrument :
BNA_F
ClientSampleId :
PAD-073125

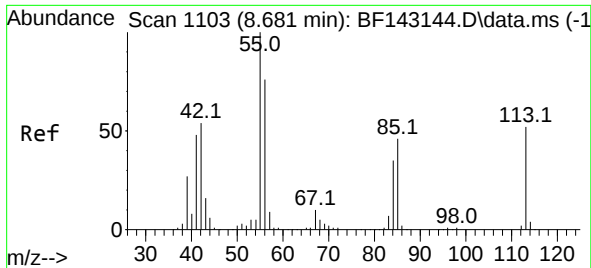
Tgt Ion: 82 Resp: 597697
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.243 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion: 122 Resp: 282
Ion Ratio Lower Upper
122 100
105 84.9 104.8 144.8#
77 105.3 77.6 117.6

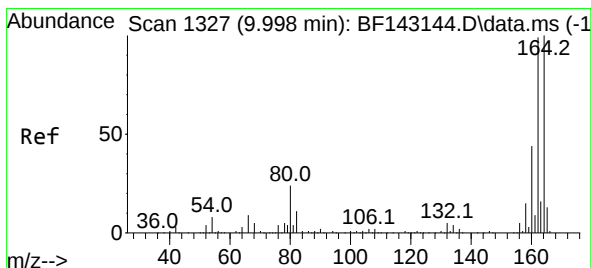
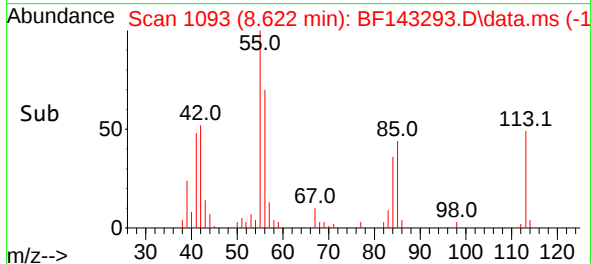
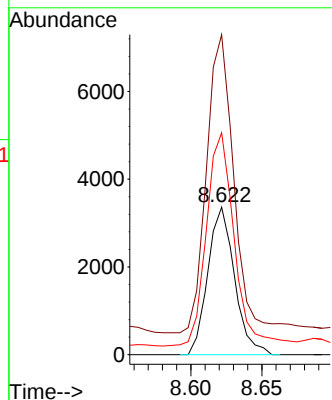
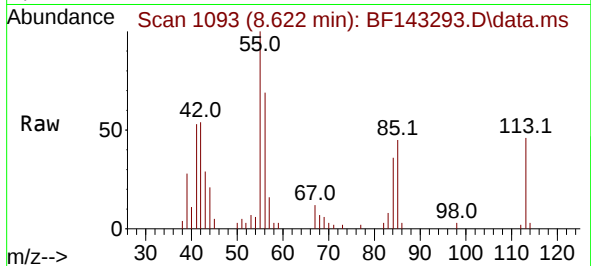




#35
 Caprolactam
 Concen: 2.500 ng
 RT: 8.622 min Scan# 1093
 Delta R.T. -0.059 min
 Lab File: BF143293.D
 Acq: 04 Aug 2025 13:42

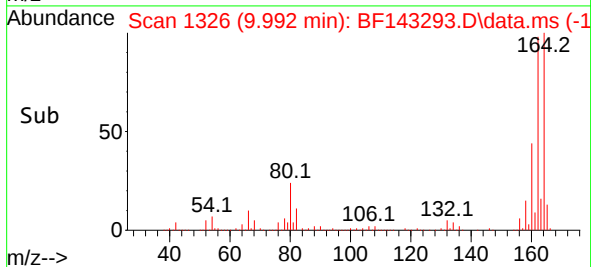
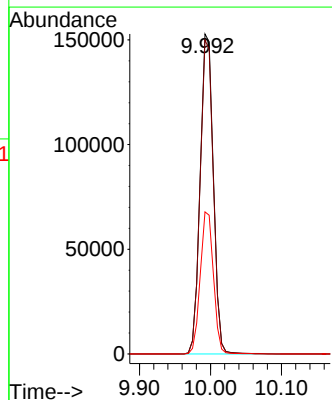
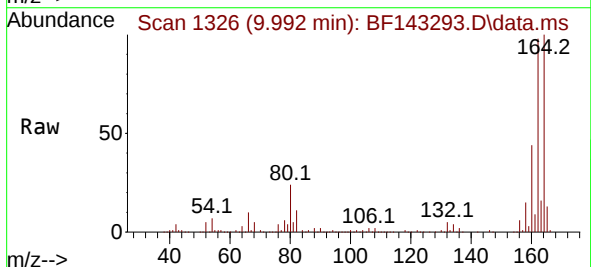
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 PAD-073125

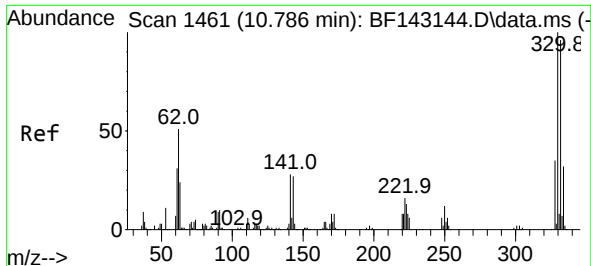
Tgt Ion:113 Resp: 4394
 Ion Ratio Lower Upper
 113 100
 55 216.9 174.0 214.0#
 56 150.5 126.6 166.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.992 min Scan# 1326
 Delta R.T. -0.006 min
 Lab File: BF143293.D
 Acq: 04 Aug 2025 13:42

Tgt Ion:164 Resp: 198077
 Ion Ratio Lower Upper
 164 100
 162 98.1 79.0 118.6
 160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 66.855 ng

RT: 10.780 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143293.D

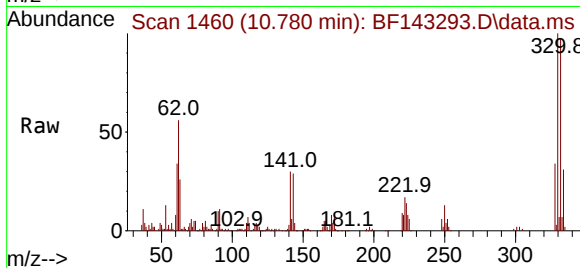
Acq: 04 Aug 2025 13:42

Instrument :

BNA_F

ClientSampleId :

PAD-073125



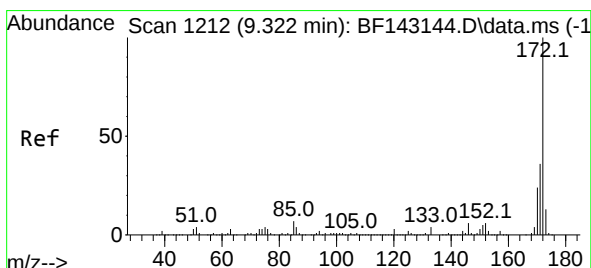
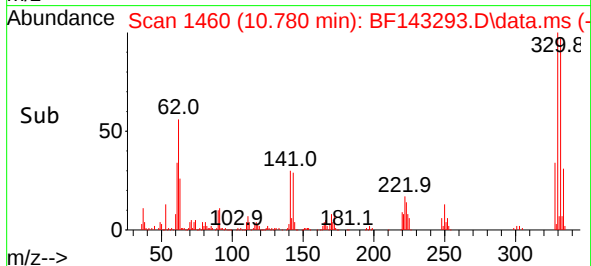
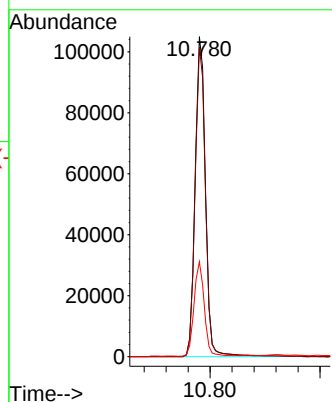
Tgt Ion:330 Resp: 136802

Ion Ratio Lower Upper

330 100

332 97.4 76.7 115.1

141 29.4 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 75.810 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143293.D

Acq: 04 Aug 2025 13:42

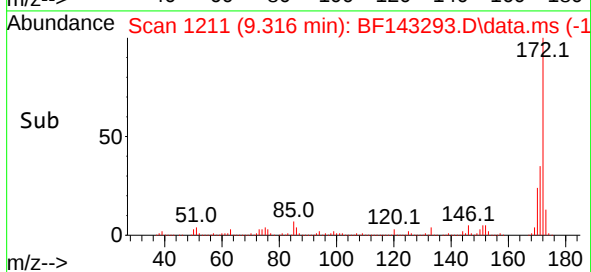
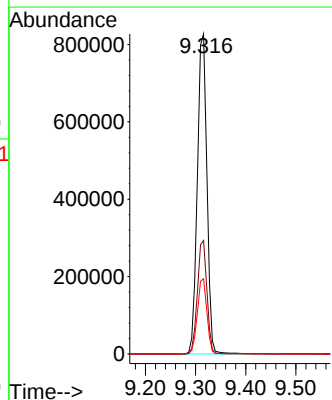
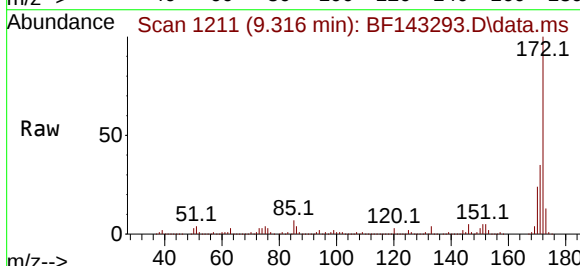
Tgt Ion:172 Resp: 1097975

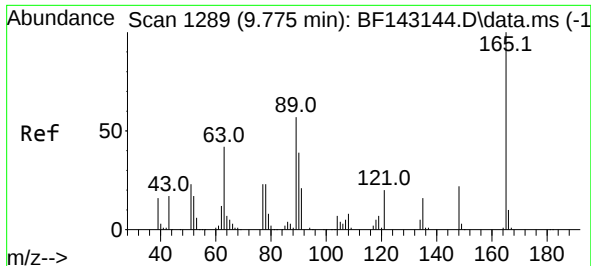
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.5 18.8 28.2

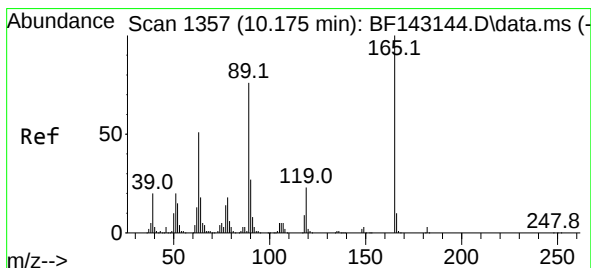
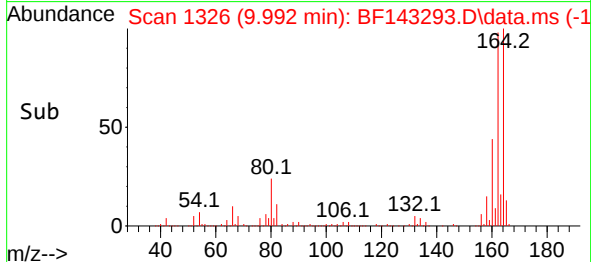
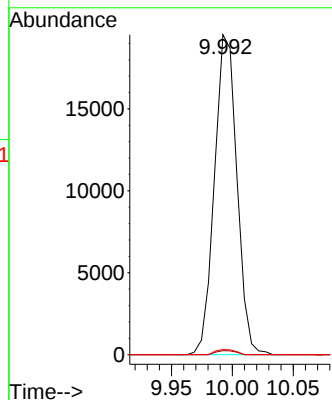
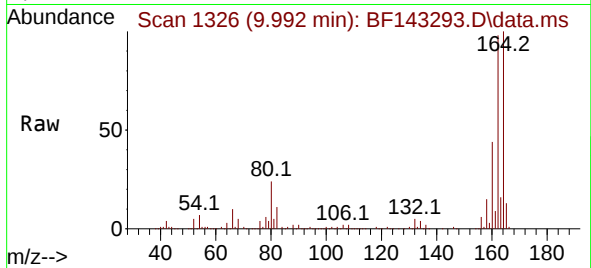




#51
2,6-Dinitrotoluene
Concen: 9.547 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.218 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

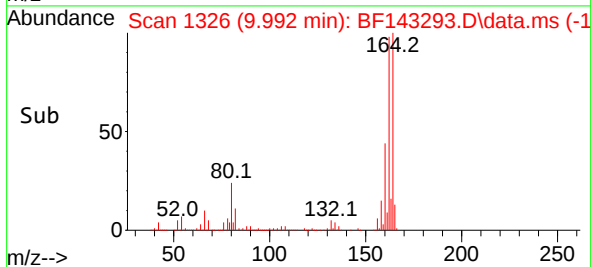
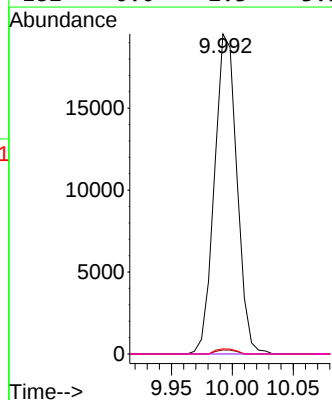
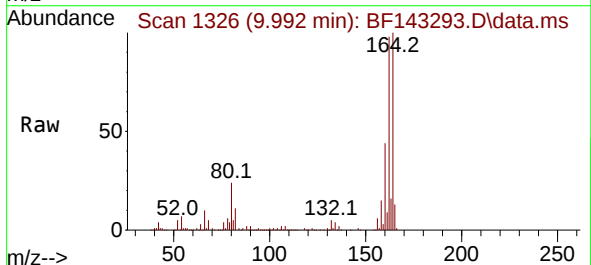
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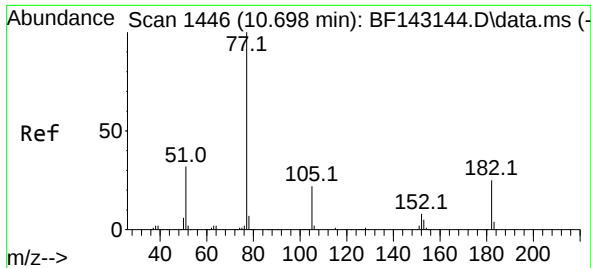
Tgt Ion:165 Resp: 25075
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.2#
89 1.6 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.609 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.182 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion:165 Resp: 25075
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.6 61.1 91.7#
182 0.0 2.3 3.5#

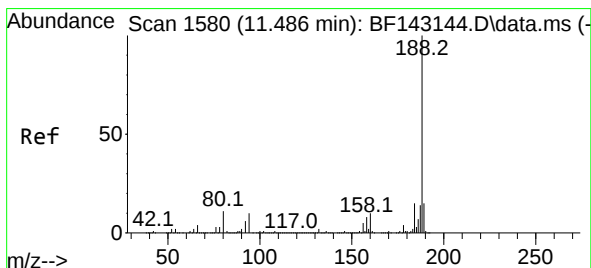
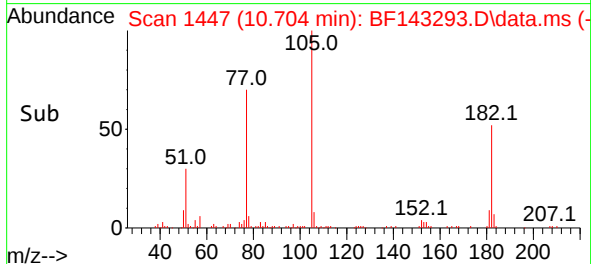
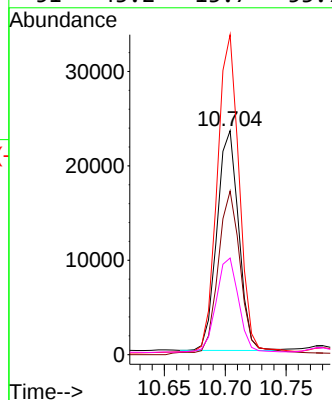
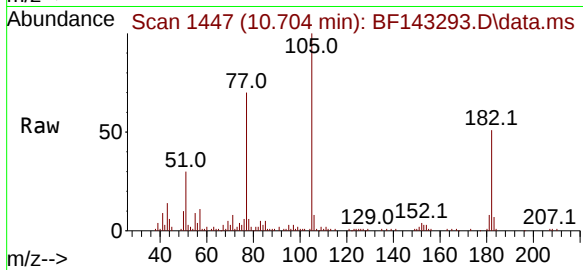




#63
Azobenzene
Concen: 2.174 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

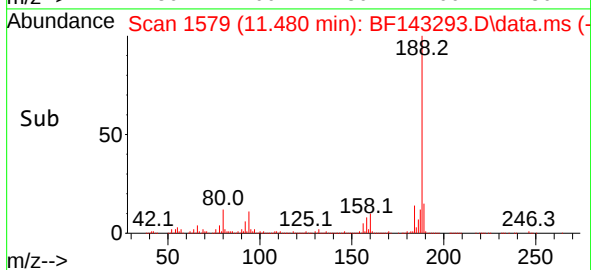
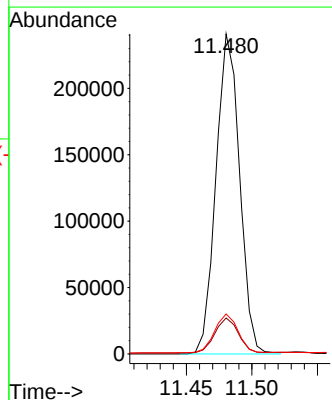
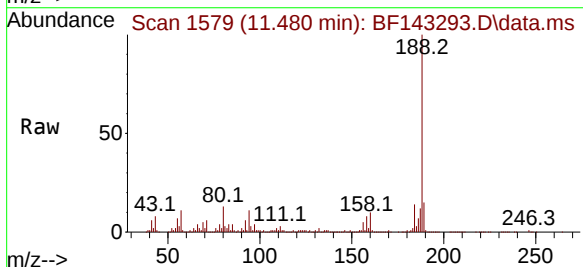
Instrument :
BNA_F
ClientSampleId :
PAD-073125

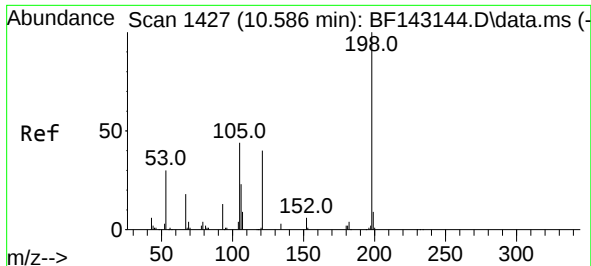
Tgt Ion: 77	Resp: 28911
Ion Ratio	Lower Upper
77 100	
182 73.1	4.6 44.6#
105 142.9	1.4 41.4#
51 43.2	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion: 188	Resp: 301991
Ion Ratio	Lower Upper
188 100	
94 11.2	8.3 12.5
80 12.5	9.0 13.6

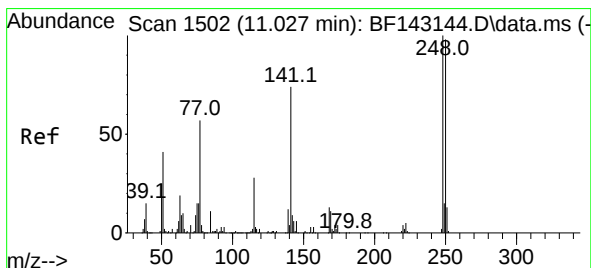
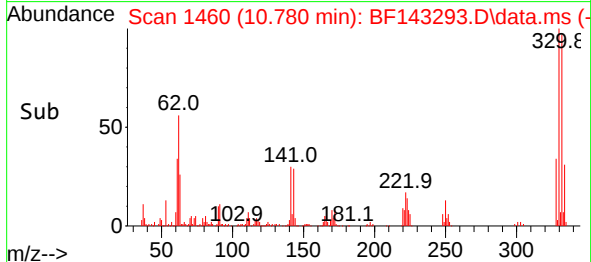
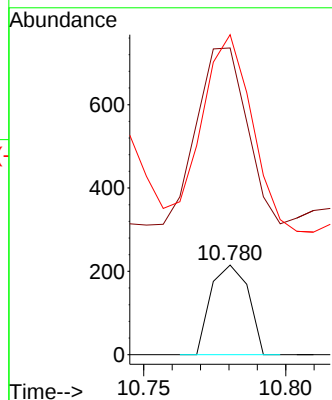
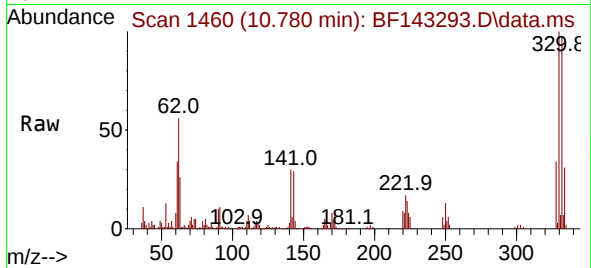




#65
4,6-Dinitro-2-methylphenol
Concen: 5.523 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

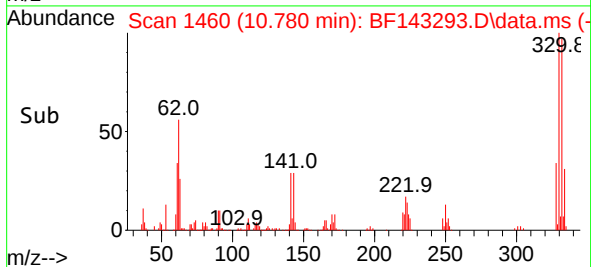
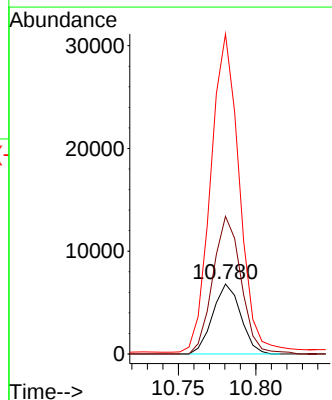
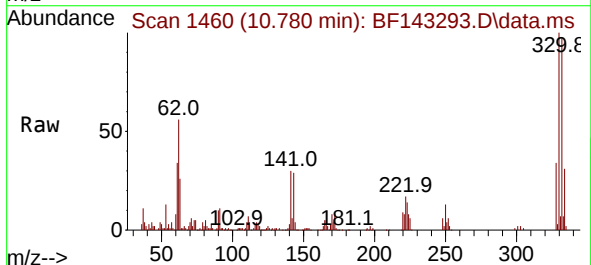
Instrument :
BNA_F
ClientSampleId :
PAD-073125

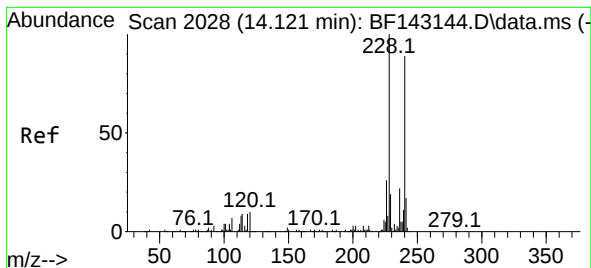
Tgt Ion:198 Resp: 198
Ion Ratio Lower Upper
198 100
51 342.3 37.2 77.2#
105 357.2 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.375 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143293.D
Acq: 04 Aug 2025 13:42

Tgt Ion:248 Resp: 8547
Ion Ratio Lower Upper
248 100
250 196.7 78.3 117.5#
141 457.6 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143293.D

Acq: 04 Aug 2025 13:42

Instrument :

BNA_F

ClientSampleId :

PAD-073125

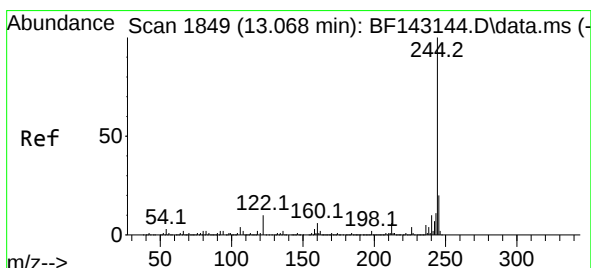
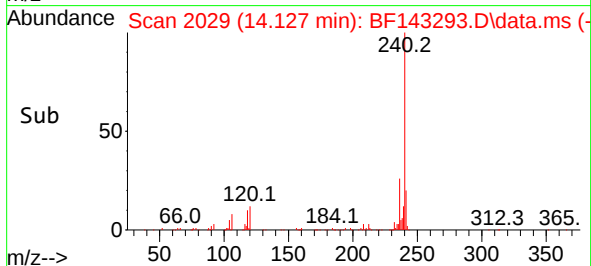
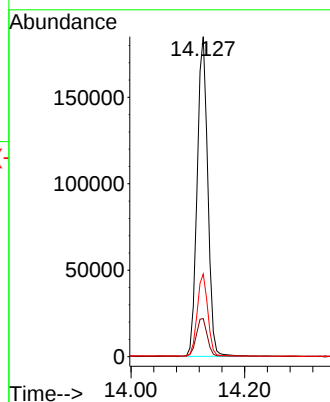
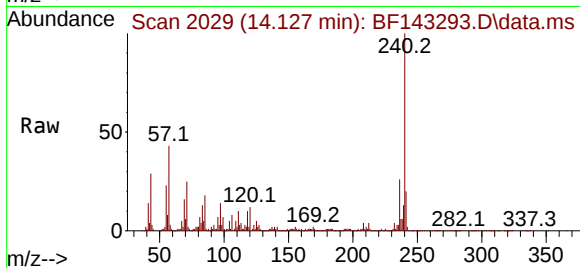
Tgt Ion:240 Resp: 241316

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 25.8 20.2 30.4



#79

Terphenyl-d14

Concen: 58.145 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143293.D

Acq: 04 Aug 2025 13:42

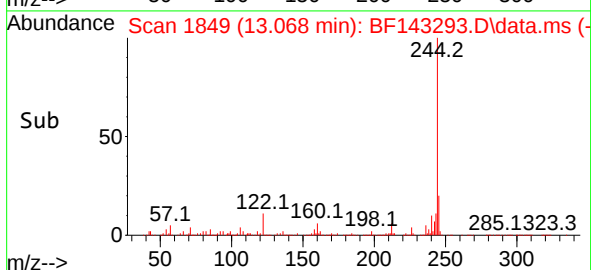
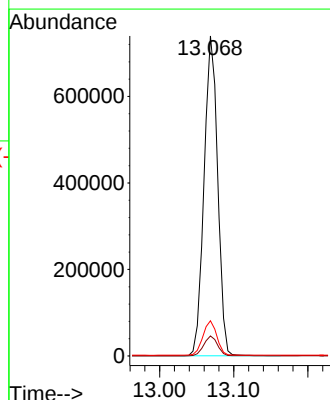
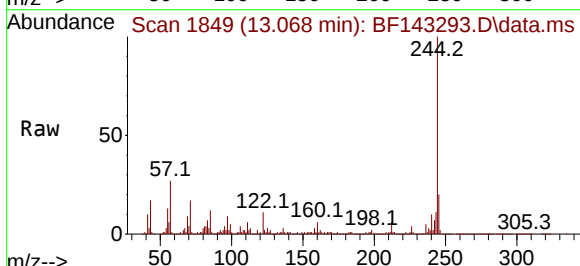
Tgt Ion:244 Resp: 942902

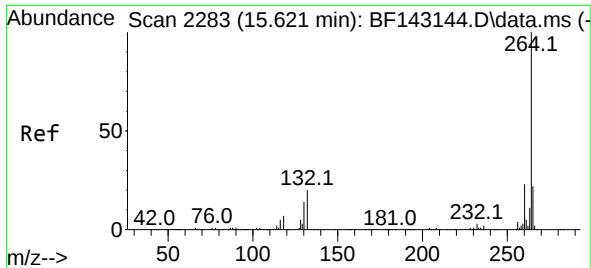
Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

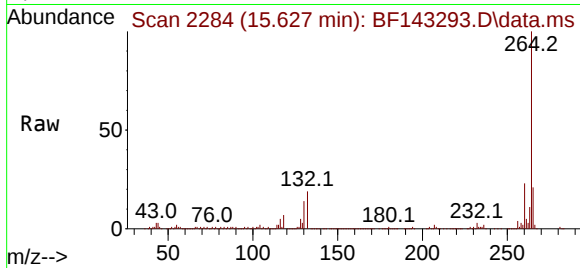
122 11.0 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143293.D
 Acq: 04 Aug 2025 13:42

Instrument :
 BNA_F
 ClientSampleId :
 PAD-073125



Tgt Ion:264 Resp: 287630
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 20.8 17.4 26.2

