

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143435.D
 Acq On : 18 Aug 2025 12:10
 Operator : RC/JU
 Sample : Q2844-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-081325

Quant Time: Aug 18 12:36:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

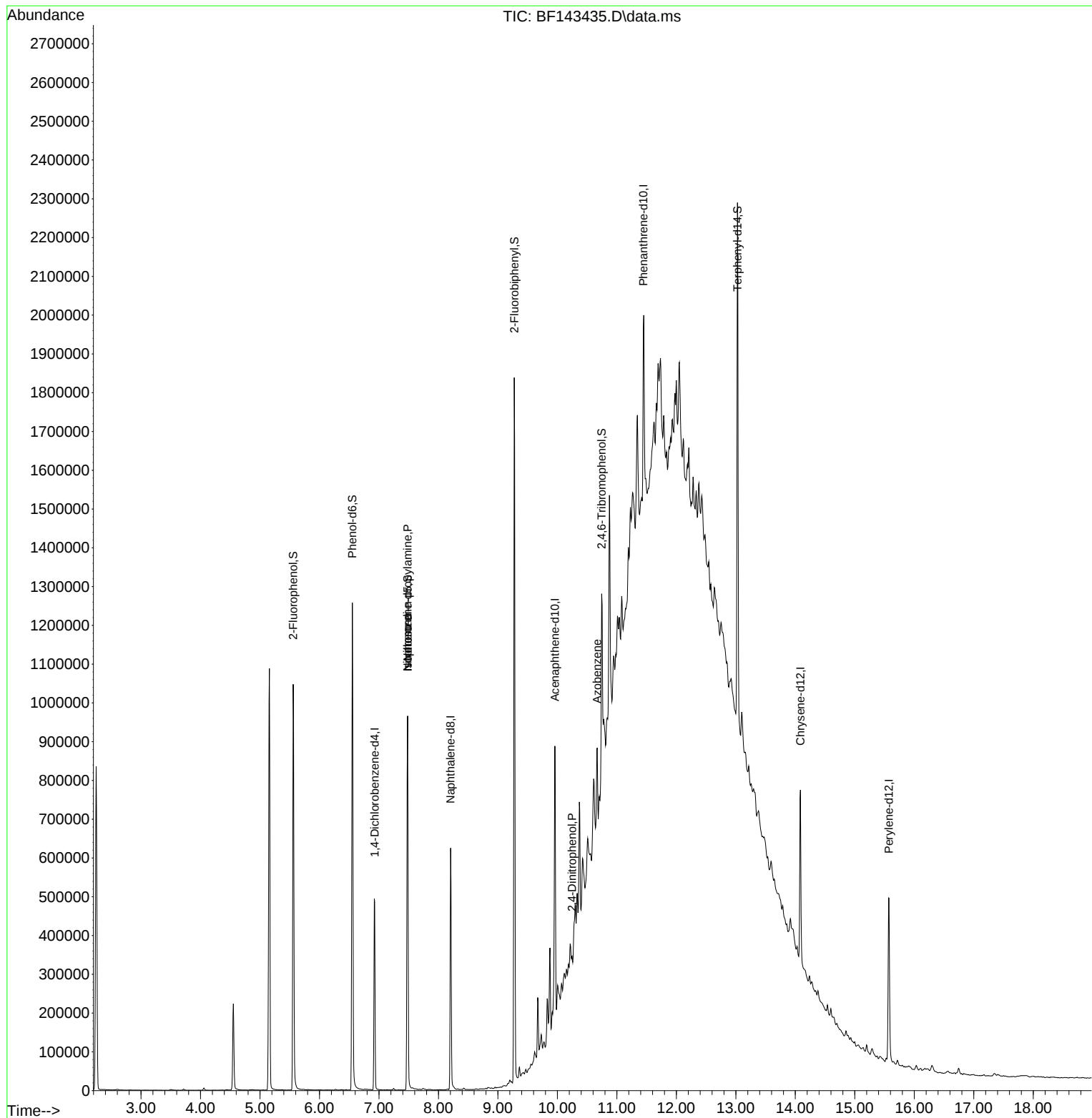
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	106740	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	397326	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	199041	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	264808	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	231762	20.000	ng	0.00
86) Perylene-d12	15.574	264	268721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	389998	63.514	ng	0.00
7) Phenol-d6	6.551	99	566277	73.178	ng	0.00
23) Nitrobenzene-d5	7.481	82	414652	61.926	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	91862	51.852	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	808870	68.353	ng	0.00
79) Terphenyl-d14	13.027	244	683542	49.545	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	55315	11.546	ng	# 77
25) Isophorone	7.481	82	411773	32.131	ng	# 65
54) 2,4-Dinitrophenol	10.245	184	1136	6.698	ng	89
63) Azobenzene	10.669	77	44996	3.882	ng	# 1

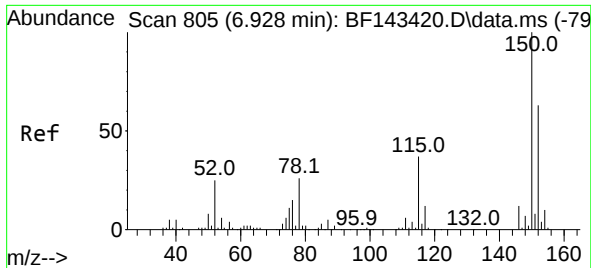
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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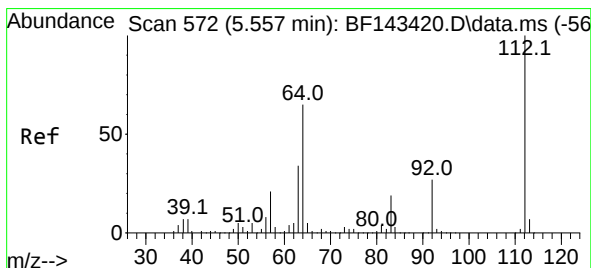
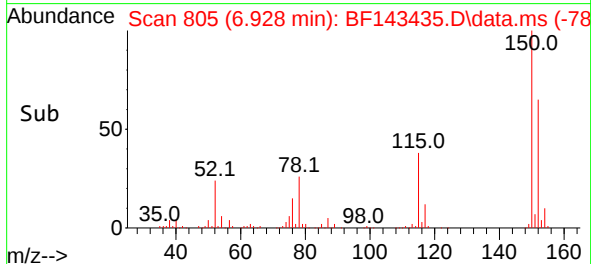
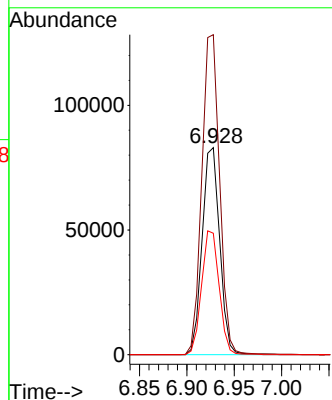
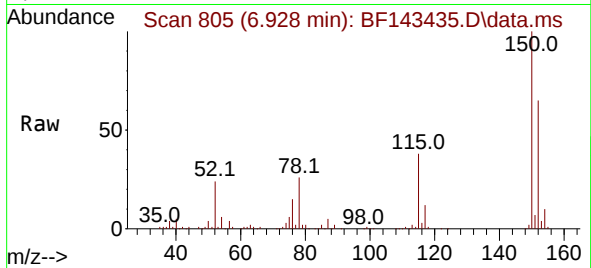




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143435.D
 Acq: 18 Aug 2025 12:10

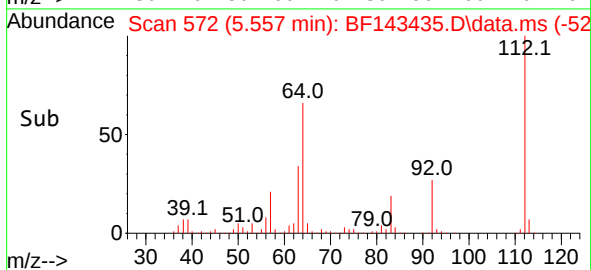
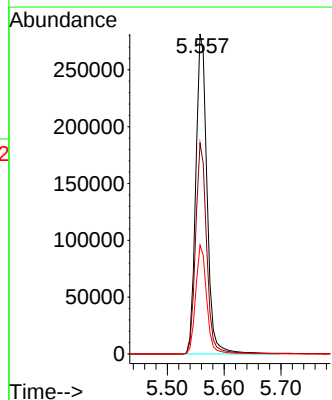
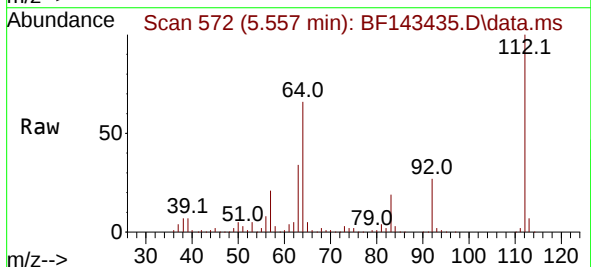
Instrument :
 BNA_F
 ClientSampleId :
 PAD-081325

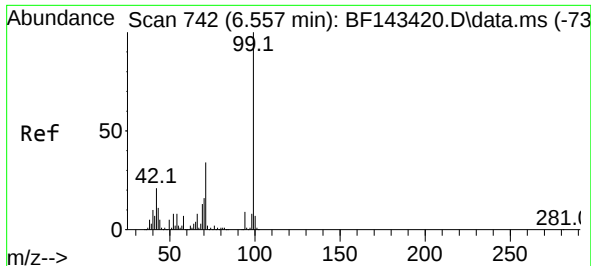
Tgt Ion:152 Resp: 106740
 Ion Ratio Lower Upper
 152 100
 150 154.6 127.4 191.2
 115 58.7 47.5 71.3



#5
 2-Fluorophenol
 Concen: 63.514 ng
 RT: 5.557 min Scan# 572
 Delta R.T. 0.000 min
 Lab File: BF143435.D
 Acq: 18 Aug 2025 12:10

Tgt Ion:112 Resp: 389998
 Ion Ratio Lower Upper
 112 100
 64 65.9 52.2 78.2
 63 34.0 27.0 40.6

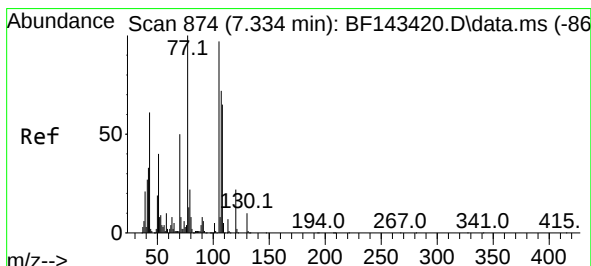
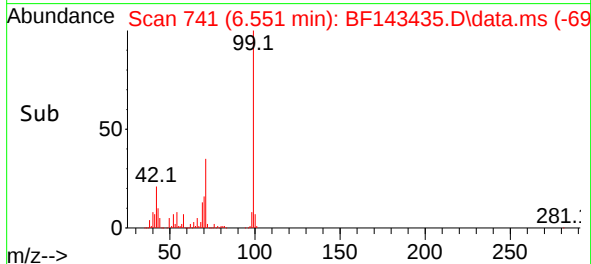
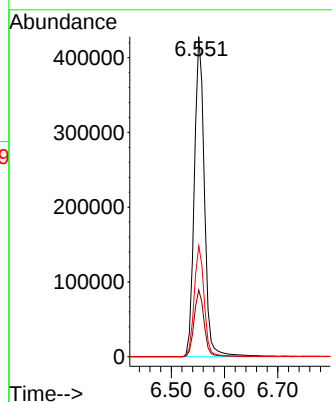
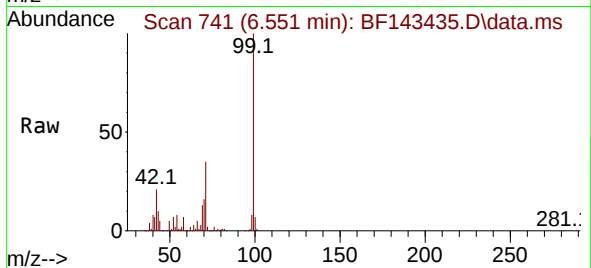




#7
Phenol-d6
Concen: 73.178 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143435.D
Acq: 18 Aug 2025 12:10

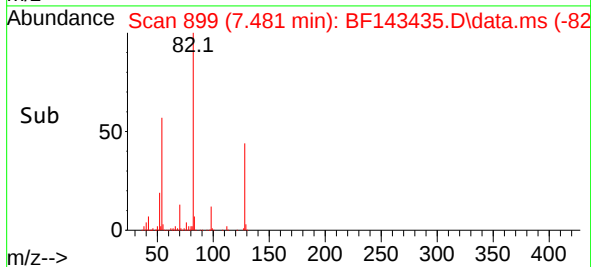
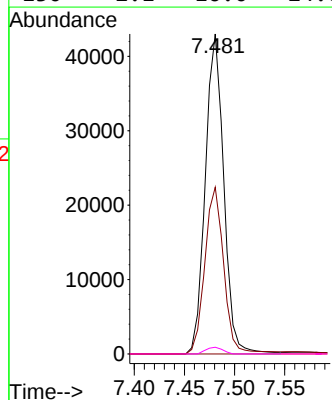
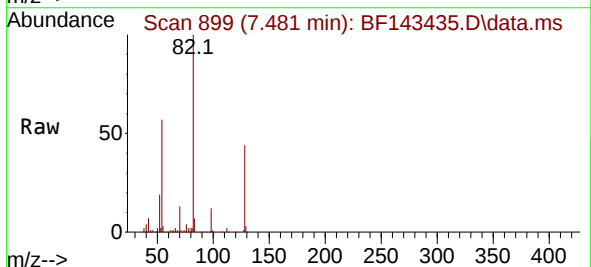
Instrument :
BNA_F
ClientSampleId :
PAD-081325

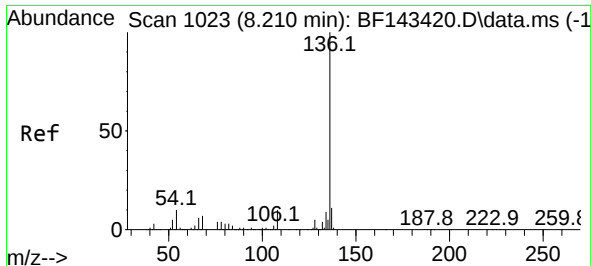
Tgt Ion: 99 Resp: 566277
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 34.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.546 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143435.D
Acq: 18 Aug 2025 12:10

Tgt Ion: 70 Resp: 55315
Ion Ratio Lower Upper
70 100
42 52.1 52.5 78.7#
101 0.0 7.9 11.9#
130 2.1 16.0 24.0#



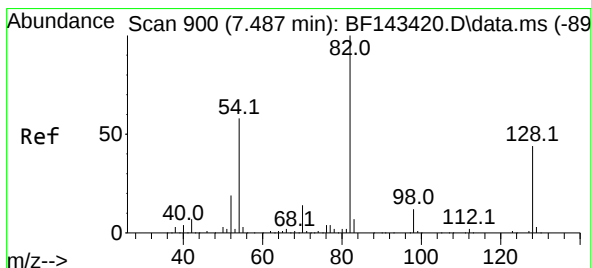
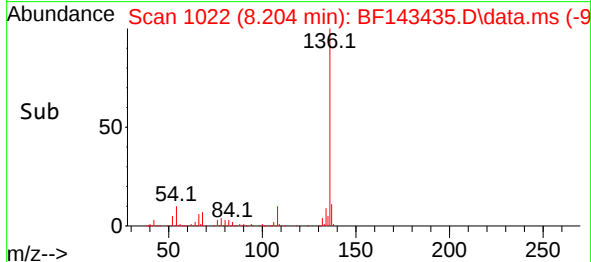
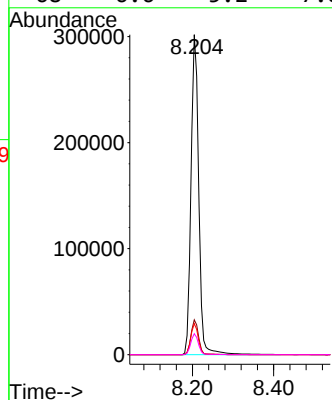
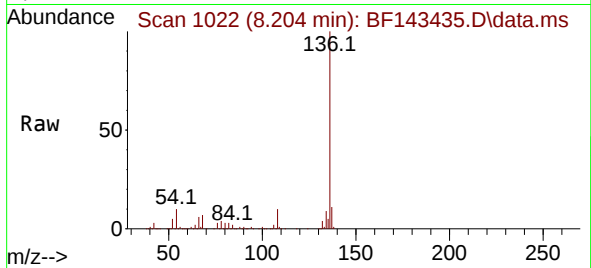


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143435.D
Acq: 18 Aug 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PAD-081325

Tgt Ion:136 Resp: 397326

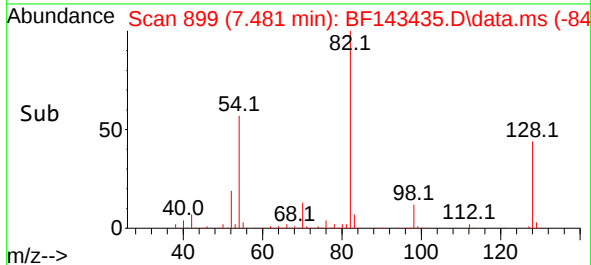
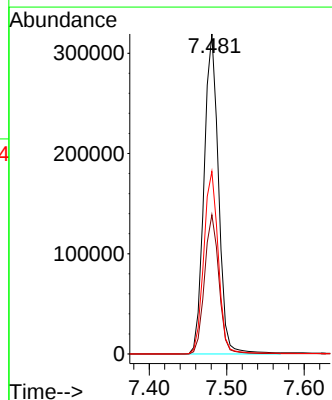
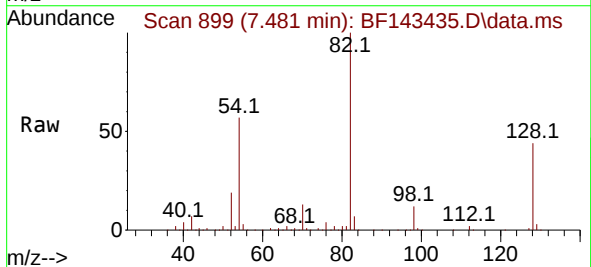
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.7	7.8	11.8
68	6.6	5.2	7.8

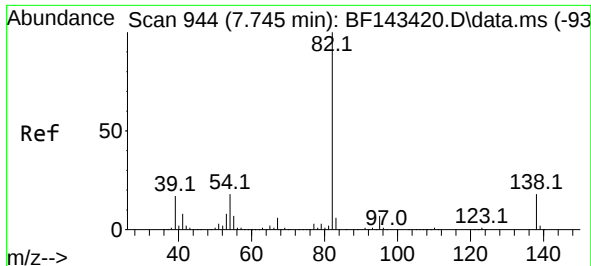


#23
Nitrobenzene-d5
Concen: 61.926 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143435.D
Acq: 18 Aug 2025 12:10

Tgt Ion: 82 Resp: 414652

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	57.0	46.0	69.0

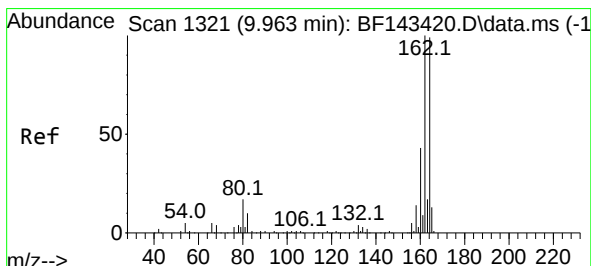
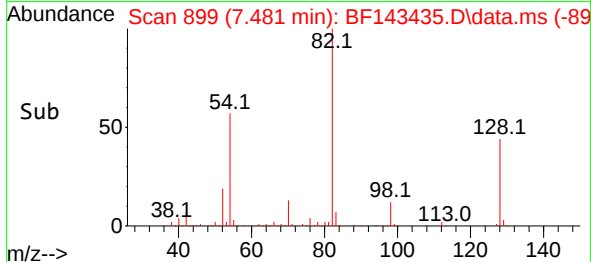
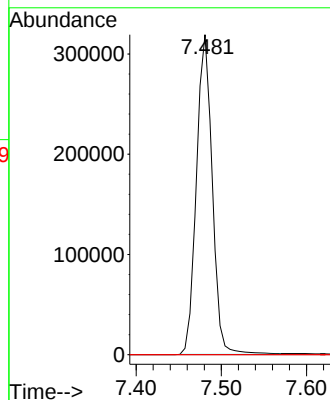
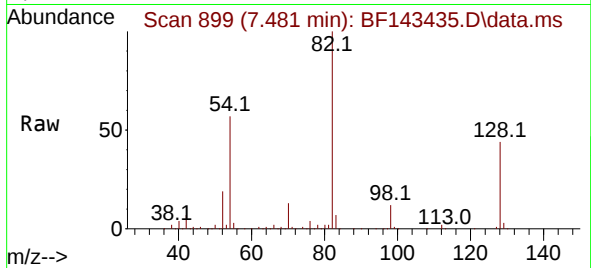




#25
Isophorone
Concen: 32.131 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143435.D
Acq: 18 Aug 2025 12:10

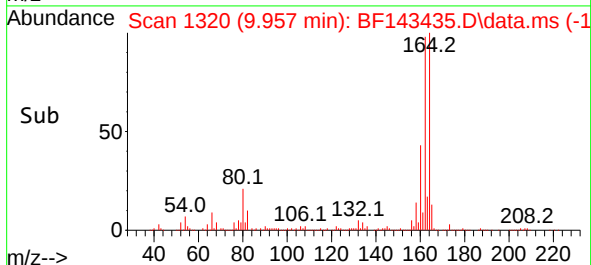
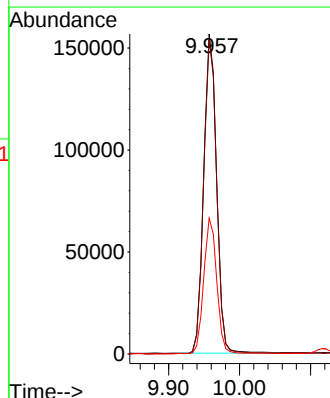
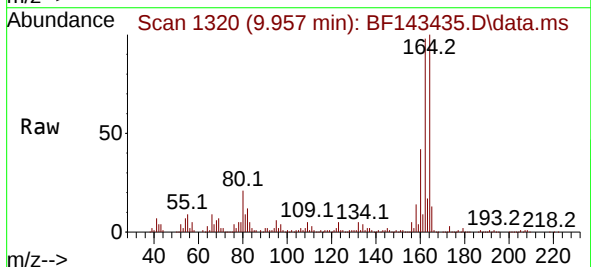
Instrument :
BNA_F
ClientSampleId :
PAD-081325

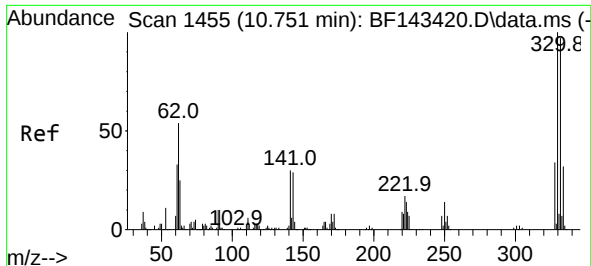
Tgt Ion: 82 Resp: 411773
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143435.D
Acq: 18 Aug 2025 12:10

Tgt Ion:164 Resp: 199041
Ion Ratio Lower Upper
164 100
162 98.2 80.6 121.0
160 42.5 34.6 51.8





#42

2,4,6-Tribromophenol

Concen: 51.852 ng

RT: 10.745 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF143435.D

Acq: 18 Aug 2025 12:10

Instrument :

BNA_F

ClientSampleId :

PAD-081325

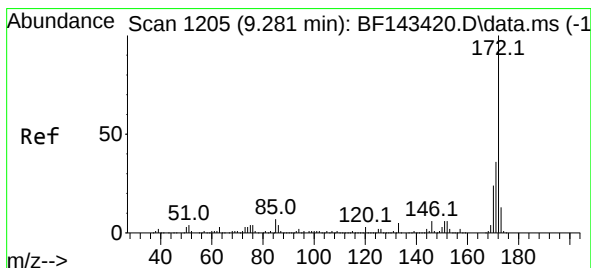
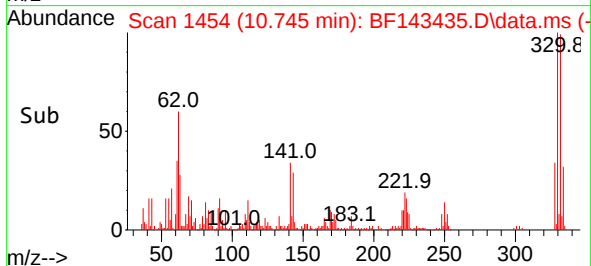
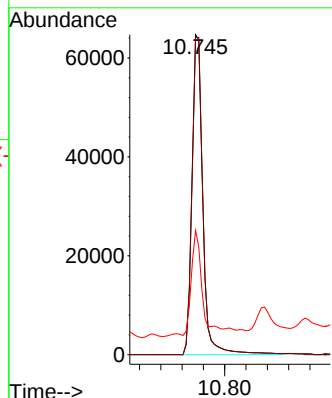
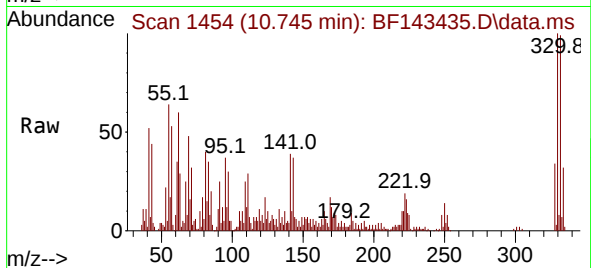
Tgt Ion:330 Resp: 91862

Ion Ratio Lower Upper

330 100

332 99.7 77.4 116.2

141 32.2 24.1 36.1



#45

2-Fluorobiphenyl

Concen: 68.353 ng

RT: 9.275 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BF143435.D

Acq: 18 Aug 2025 12:10

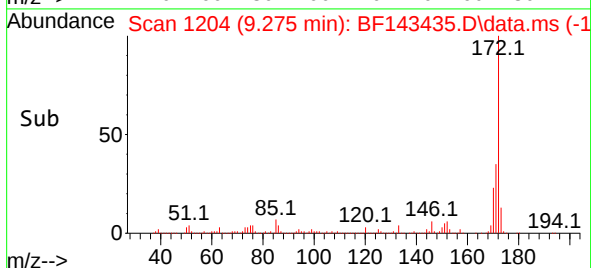
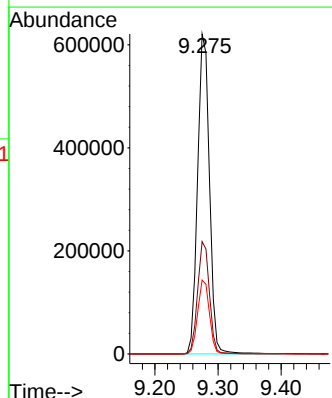
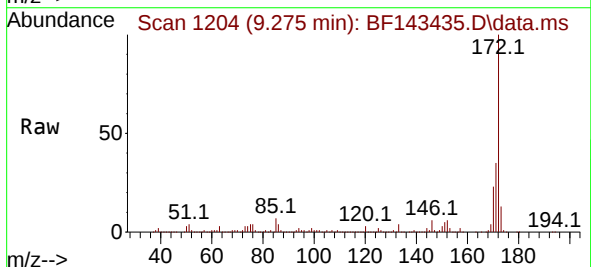
Tgt Ion:172 Resp: 808870

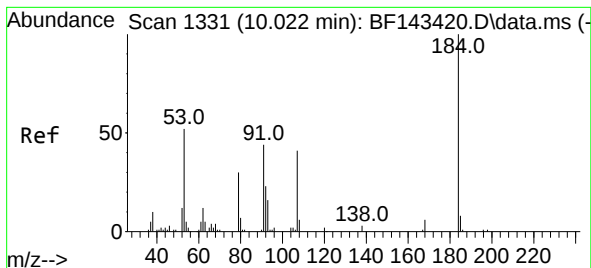
Ion Ratio Lower Upper

172 100

171 35.1 28.7 43.1

170 23.1 19.0 28.6





#54

2,4-Dinitrophenol

Concen: 6.698 ng

RT: 10.245 min Scan# 11

Delta R.T. 0.223 min

Lab File: BF143435.D

Acq: 18 Aug 2025 12:10

Instrument :

BNA_F

ClientSampleId :

PAD-081325

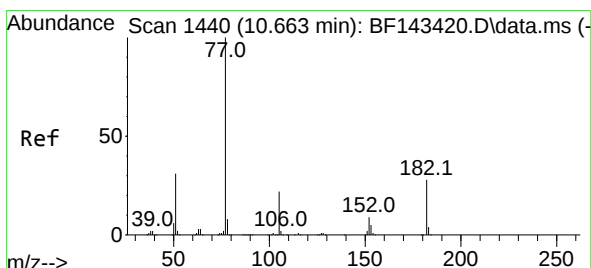
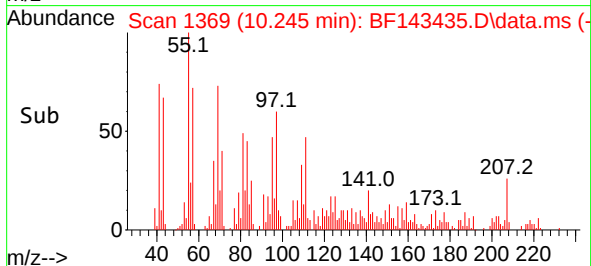
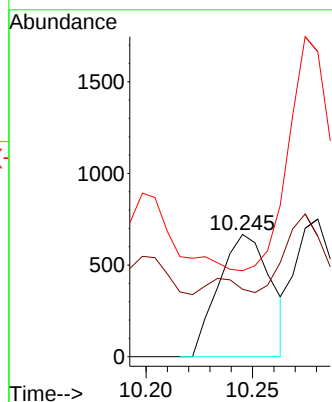
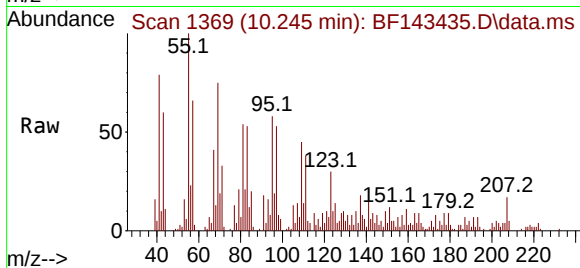
Tgt Ion:184 Resp: 1136

Ion Ratio Lower Upper

184 100

63 55.2 53.2 79.8

154 70.3 51.3 76.9



#63

Azobenzene

Concen: 3.882 ng

RT: 10.669 min Scan# 1441

Delta R.T. 0.006 min

Lab File: BF143435.D

Acq: 18 Aug 2025 12:10

Tgt Ion: 77 Resp: 44996

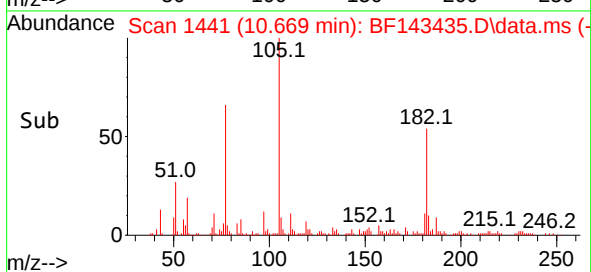
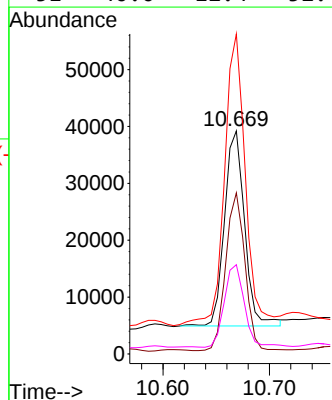
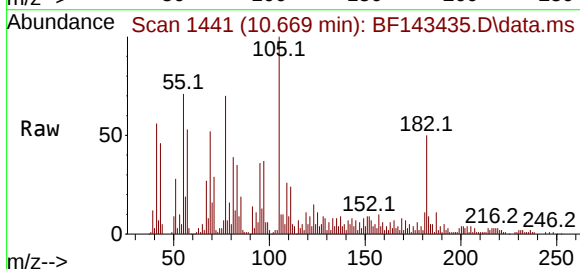
Ion Ratio Lower Upper

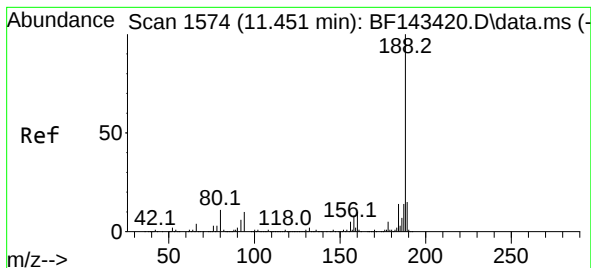
77 100

182 72.2 7.4 47.4#

105 143.5 1.7 41.7#

51 40.0 12.4 52.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143435.D

Acq: 18 Aug 2025 12:10

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PAD-081325

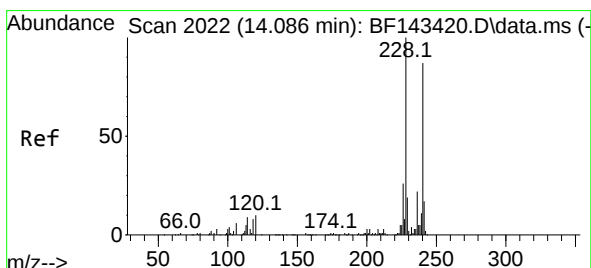
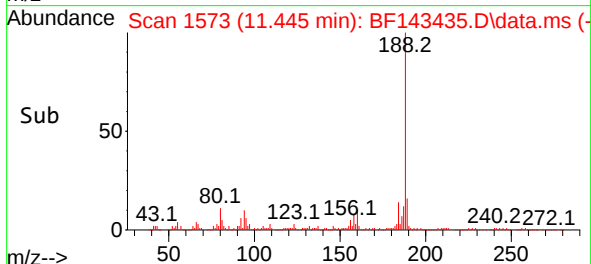
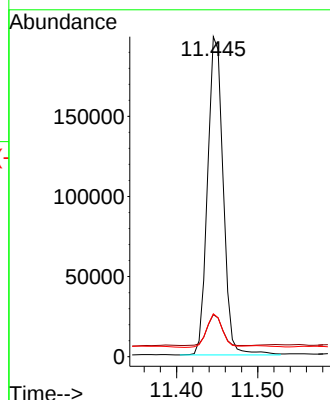
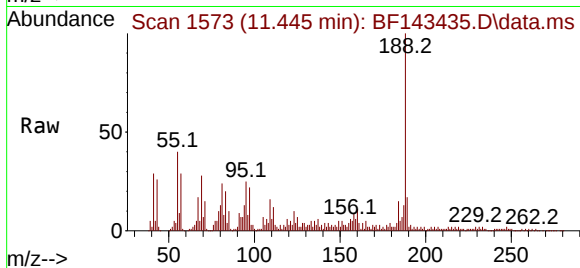
Tgt Ion:188 Resp: 264808

Ion Ratio Lower Upper

188 100

94 13.2 8.0 12.0#

80 13.4 8.6 12.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF143435.D

Acq: 18 Aug 2025 12:10

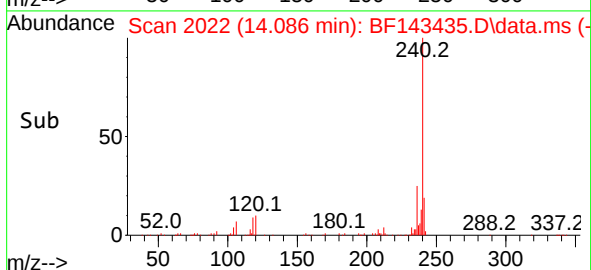
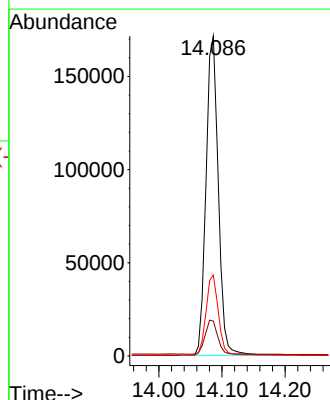
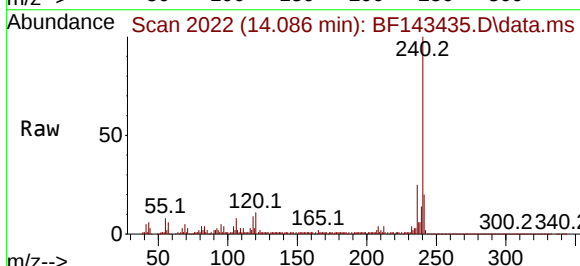
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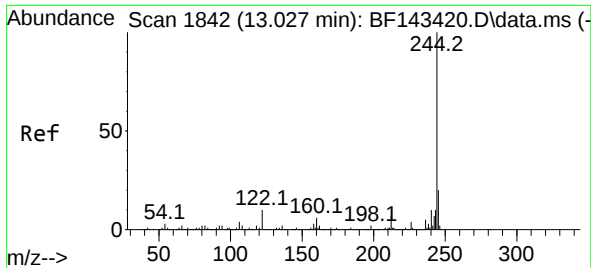
Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

236 25.3 20.2 30.2

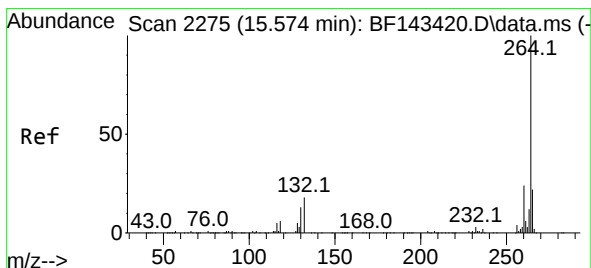
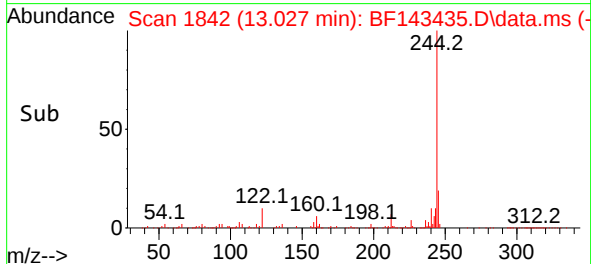
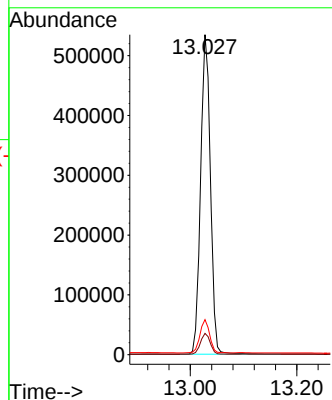
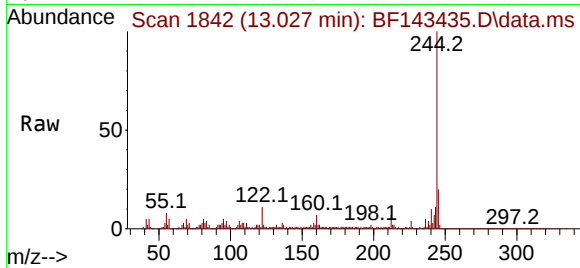




#79
 Terphenyl-d14
 Concen: 49.545 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF143435.D
 Acq: 18 Aug 2025 12:10

Instrument :
 BNA_F
 ClientSampleId :
 PAD-081325

Tgt Ion:244 Resp: 683542
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.9 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 2275
 Delta R.T. 0.000 min
 Lab File: BF143435.D
 Acq: 18 Aug 2025 12:10

Tgt Ion:264 Resp: 268721
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 21.2 17.4 26.0

