

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143329.D
 Acq On : 06 Aug 2025 14:47
 Operator : RC/JU
 Sample : Q2774-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12017

Quant Time: Aug 06 15:45:14 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)

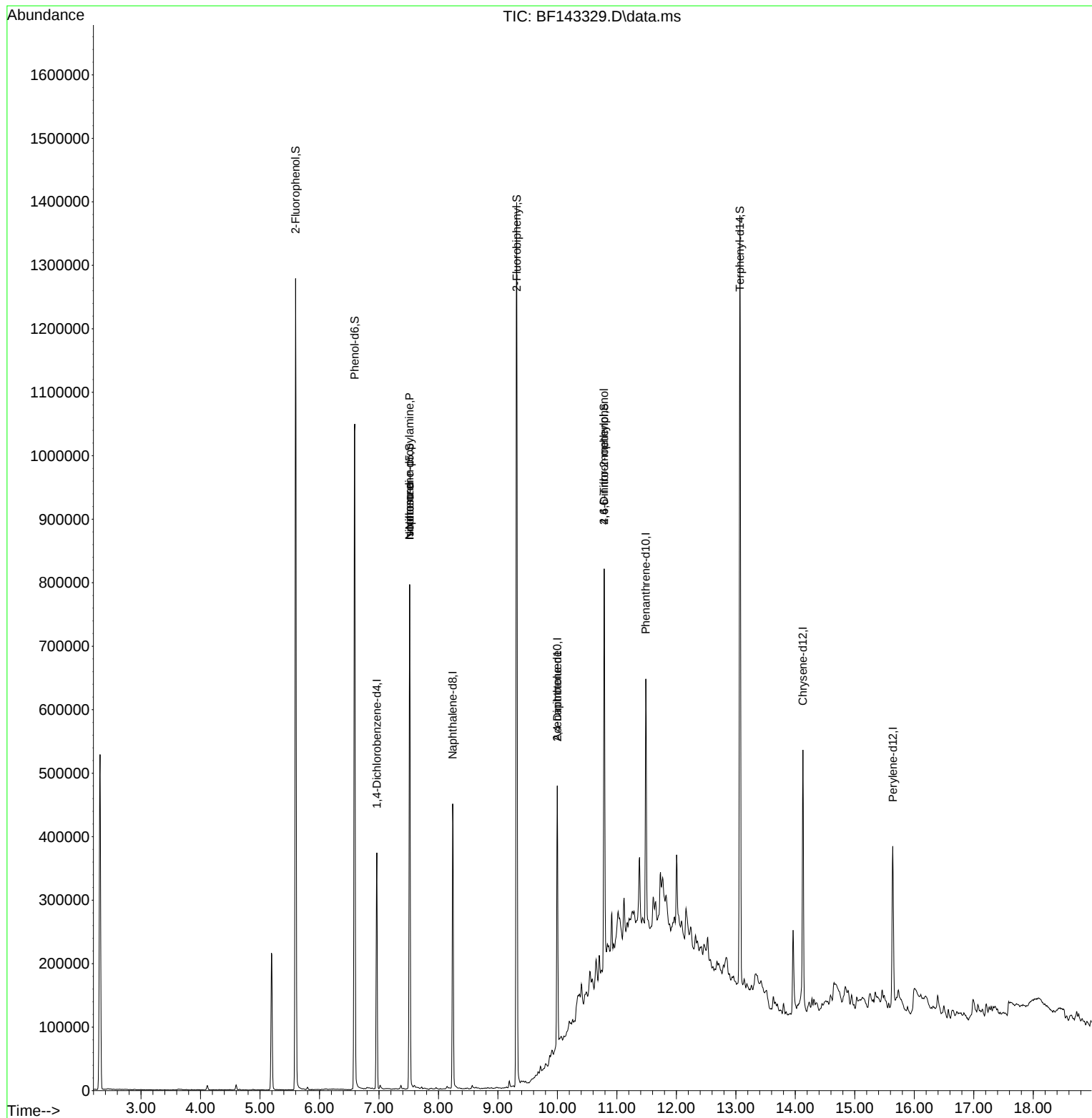
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	76131	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	283900	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	121496	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	193061	20.000	ng	0.00
76) Chrysene-d12	14.127	240	195842	20.000	ng	0.00
86) Perylene-d12	15.639	264	156363	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	453022	94.165	ng	0.01
7) Phenol-d6	6.593	99	494366	81.640	ng	0.00
23) Nitrobenzene-d5	7.516	82	337512	59.260	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	111659	88.963	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	623041	70.133	ng	0.00
79) Terphenyl-d14	13.069	244	592539	45.024	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.516	70	44823	11.538	ng	# 79
25) Isophorone	7.516	82	332940	33.114	ng	# 66
57) 2,4-Dinitrotoluene	9.998	165	16411	8.119	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.786	198	210	5.597	ng	# 1

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

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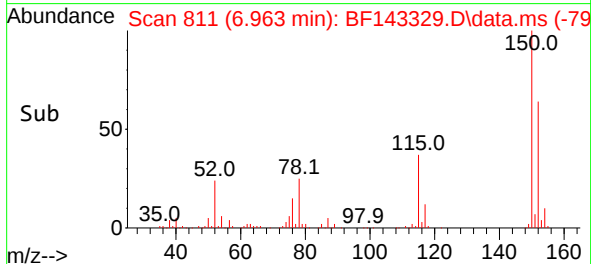
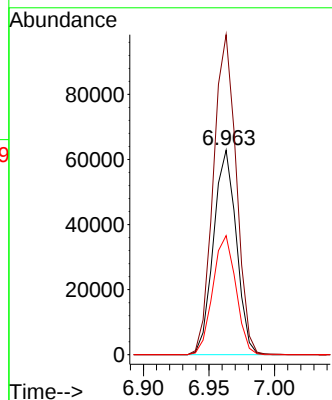
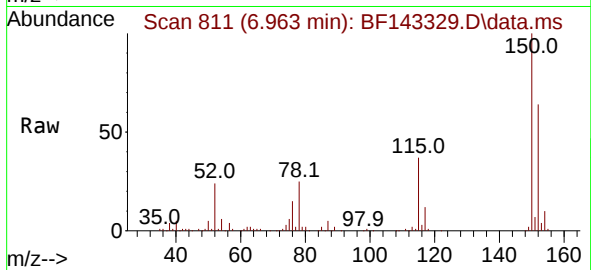




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

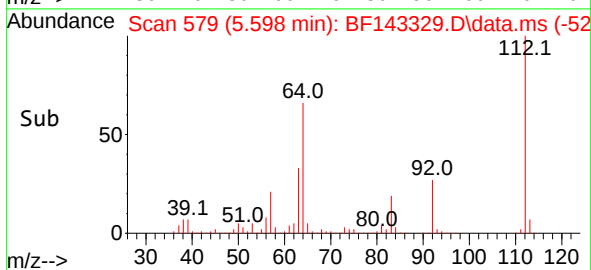
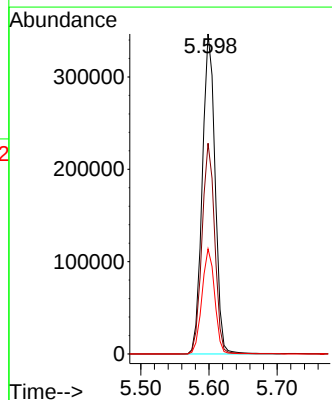
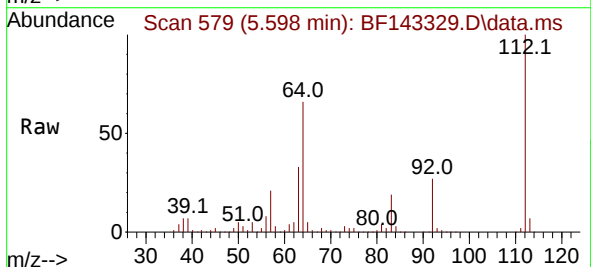
Instrument :
BNA_F
ClientSampleId :
72-12017

Tgt Ion:152 Resp: 76131
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 58.2 47.9 71.9



#5
2-Fluorophenol
Concen: 94.165 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

Tgt Ion:112 Resp: 453022
Ion Ratio Lower Upper
112 100
64 65.8 53.1 79.7
63 32.9 26.6 40.0





#7

Phenol-d6

Concen: 81.640 ng

RT: 6.593 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF143329.D

Acq: 06 Aug 2025 14:47

Instrument :

BNA_F

ClientSampleId :

72-12017

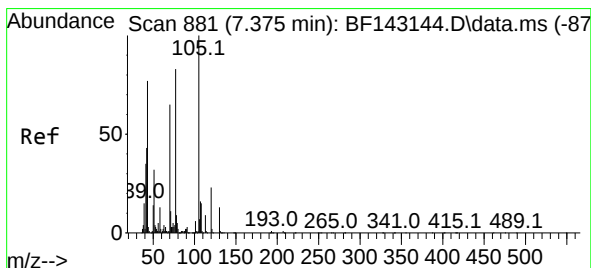
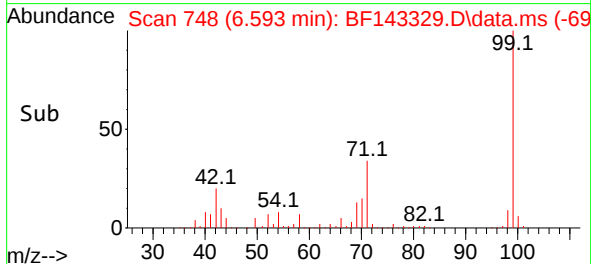
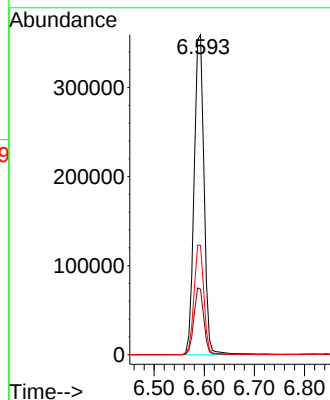
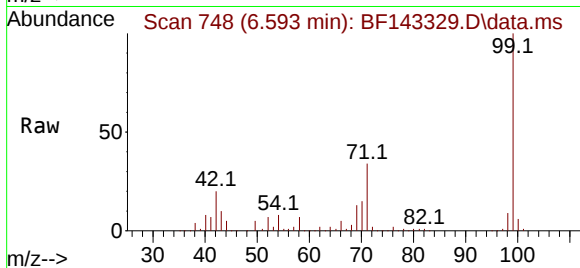
Tgt Ion: 99 Resp: 494366

Ion Ratio Lower Upper

99 100

42 20.4 17.0 25.6

71 34.2 27.7 41.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.538 ng

RT: 7.516 min Scan# 905

Delta R.T. 0.141 min

Lab File: BF143329.D

Acq: 06 Aug 2025 14:47

Tgt Ion: 70 Resp: 44823

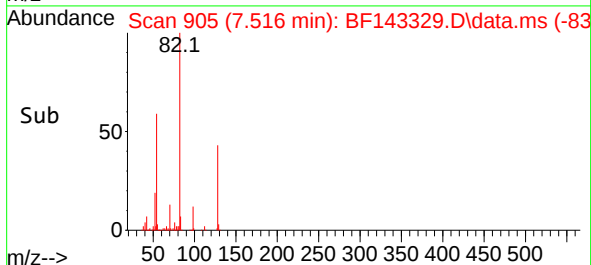
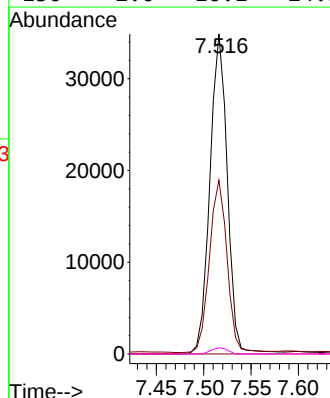
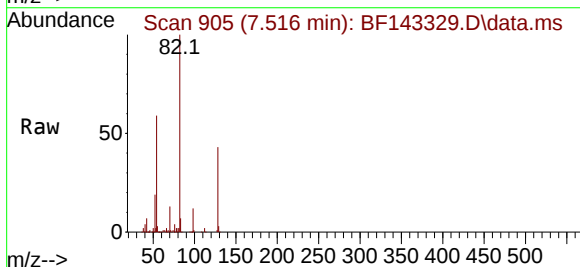
Ion Ratio Lower Upper

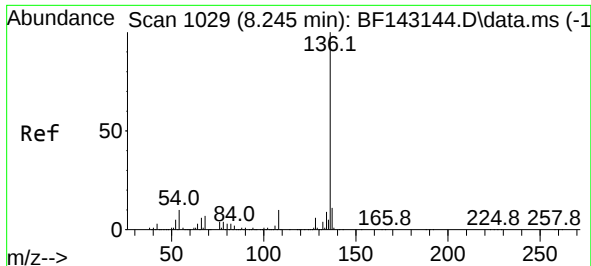
70 100

42 54.3 52.5 78.7

101 0.0 7.6 11.4#

130 2.0 16.1 24.1#

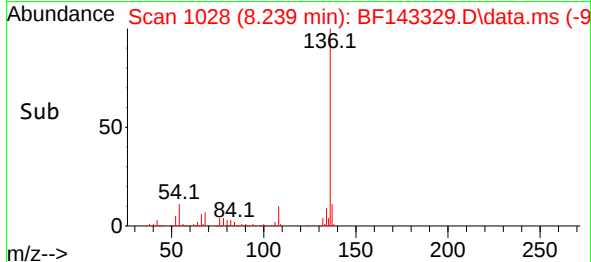
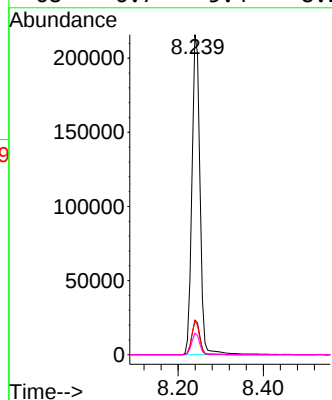
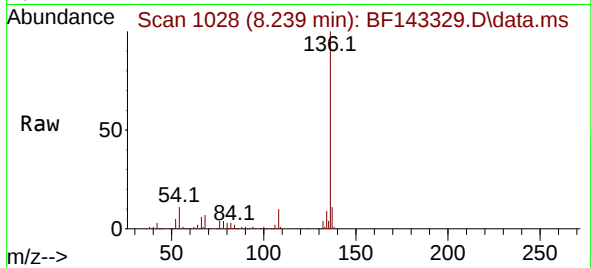




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

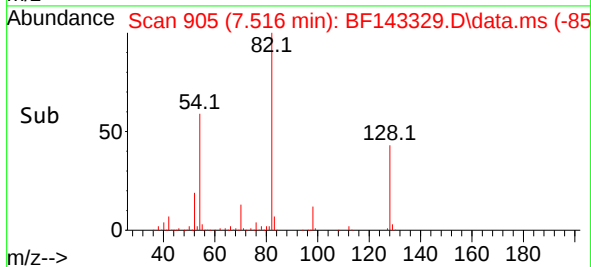
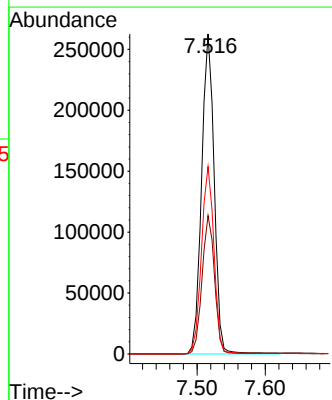
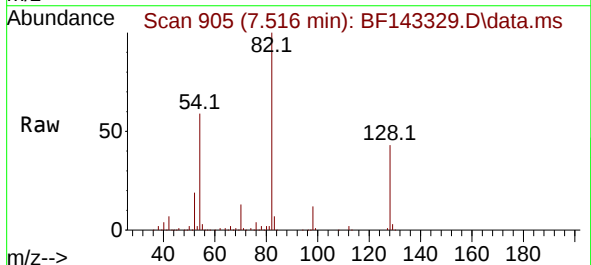
Instrument :
BNA_F
ClientSampleId :
72-12017

Tgt Ion:	136	Resp:	283900
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.5	8.2	12.2
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 59.260 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

Tgt Ion:	82	Resp:	337512
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.6	50.4
54	58.6	47.1	70.7

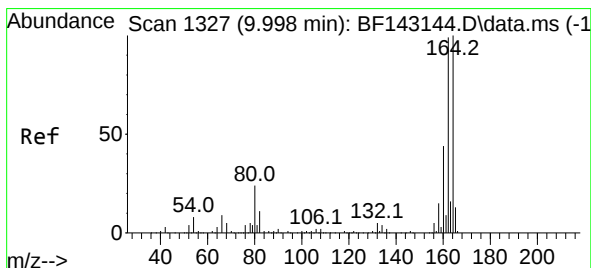
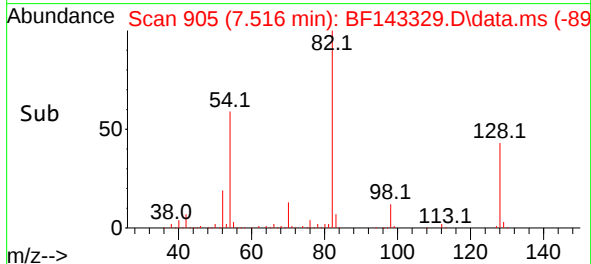
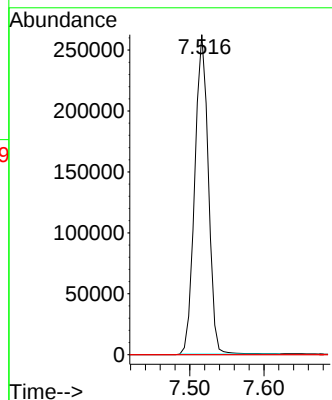
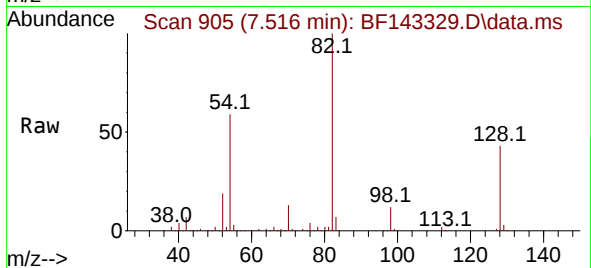




#25
Isophorone
Concen: 33.114 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

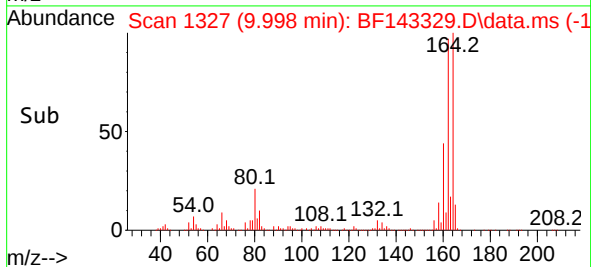
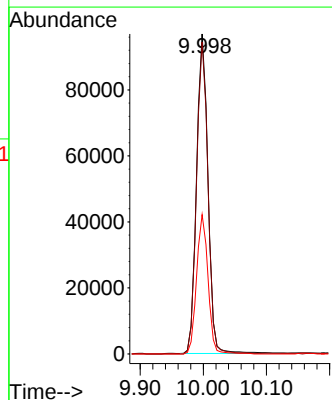
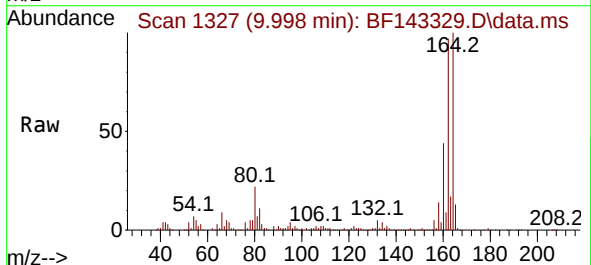
Instrument :
BNA_F
ClientSampleId :
72-12017

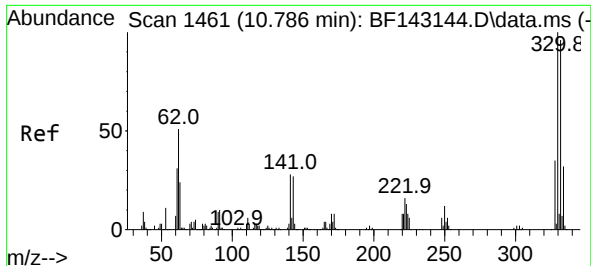
Tgt Ion: 82 Resp: 332940
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

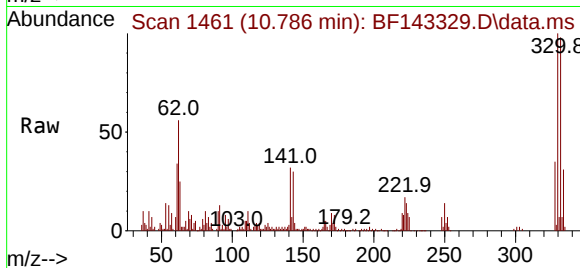
Tgt Ion: 164 Resp: 121496
Ion Ratio Lower Upper
164 100
162 97.5 79.0 118.6
160 43.6 35.1 52.7



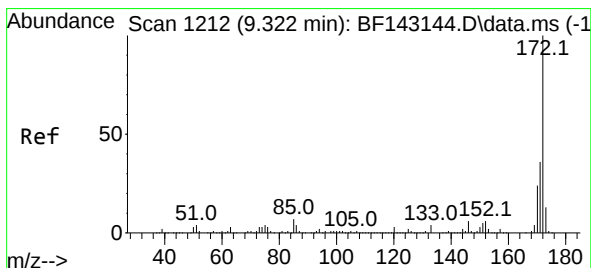
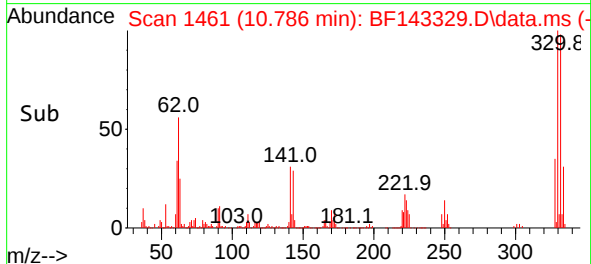
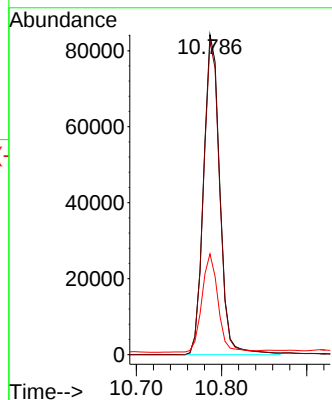


#42
 2,4,6-Tribromophenol
 Concen: 88.963 ng
 RT: 10.786 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: BF143329.D
 Acq: 06 Aug 2025 14:47

Instrument :
 BNA_F
 ClientSampleId :
 72-12017

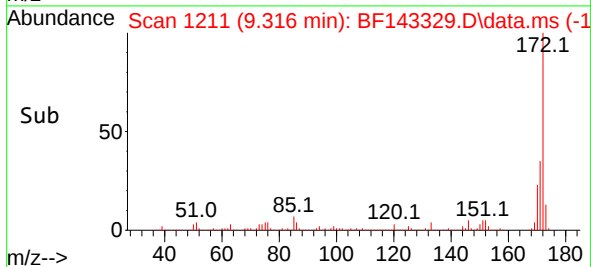
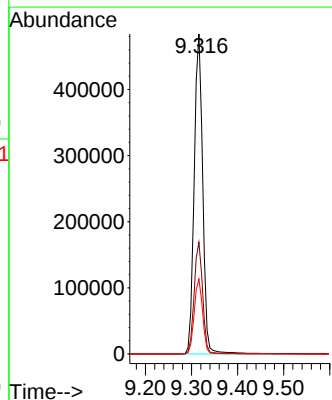
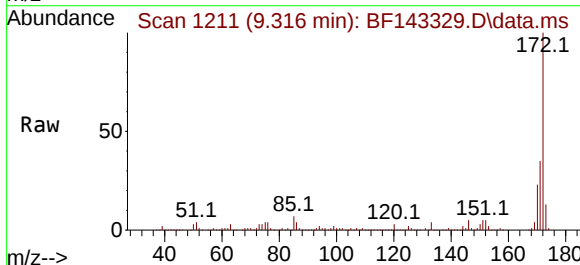


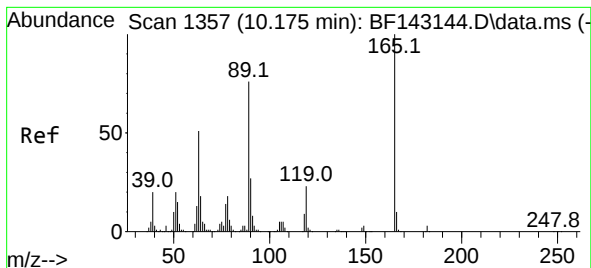
Tgt Ion:330 Resp: 111659
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.7 115.1
 141 30.6 23.3 34.9



#45
 2-Fluorobiphenyl
 Concen: 70.133 ng
 RT: 9.316 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF143329.D
 Acq: 06 Aug 2025 14:47

Tgt Ion:172 Resp: 623041
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.4 18.8 28.2

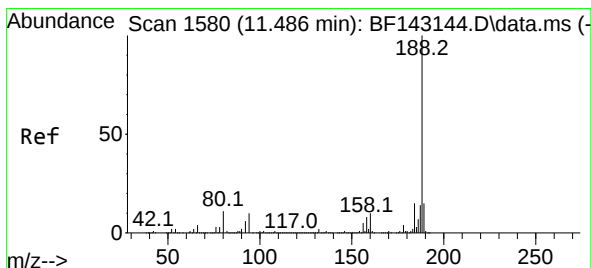
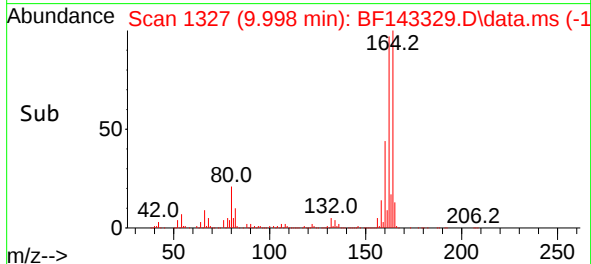
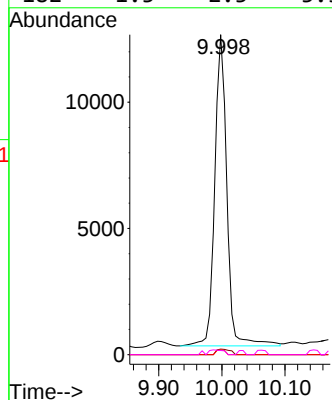
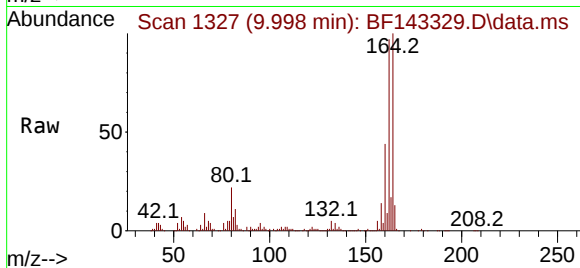




#57
2,4-Dinitrotoluene
Concen: 8.119 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

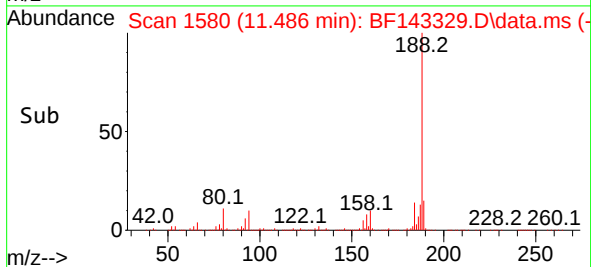
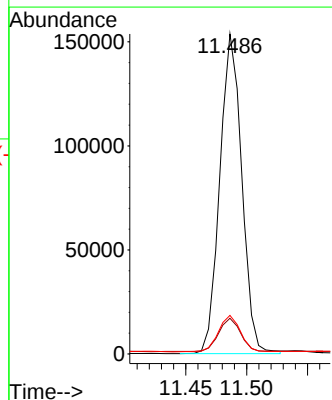
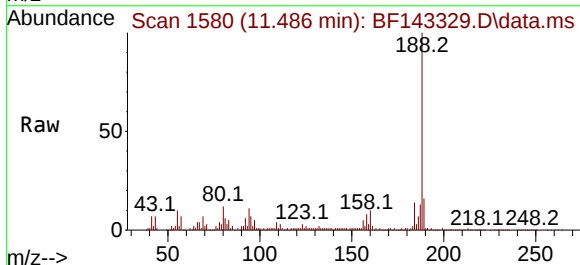
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BNA_F
ClientSampleId :
72-12017

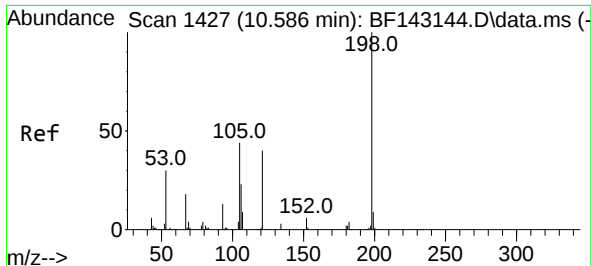
Tgt Ion:165 Resp: 16411
Ion Ratio Lower Upper
165 100
63 1.7 41.0 61.4#
89 1.5 61.1 91.7#
182 1.3 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

Tgt Ion:188 Resp: 193061
Ion Ratio Lower Upper
188 100
94 11.1 8.3 12.5
80 12.0 9.0 13.6

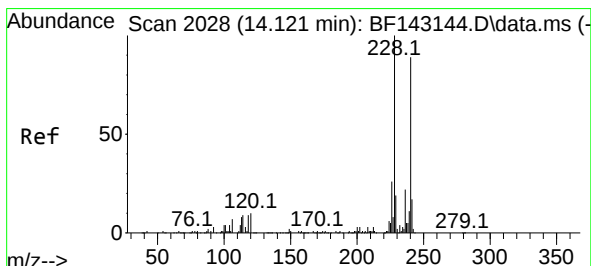
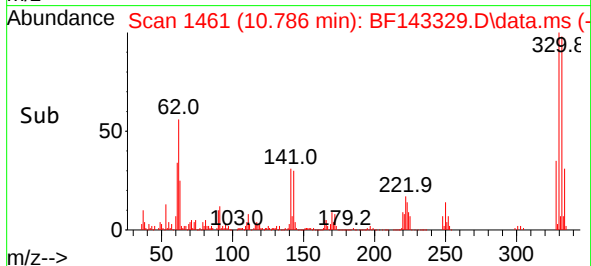
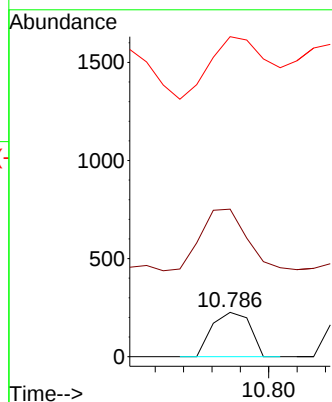
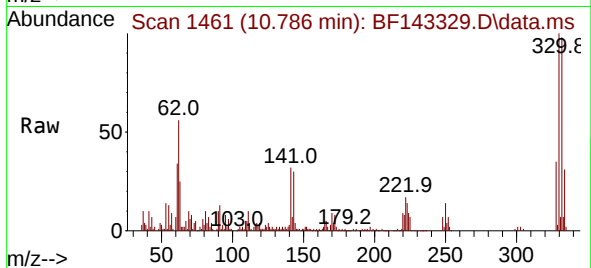




#65
4,6-Dinitro-2-methylphenol
Concen: 5.597 ng
RT: 10.786 min Scan# 14
Delta R.T. 0.200 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

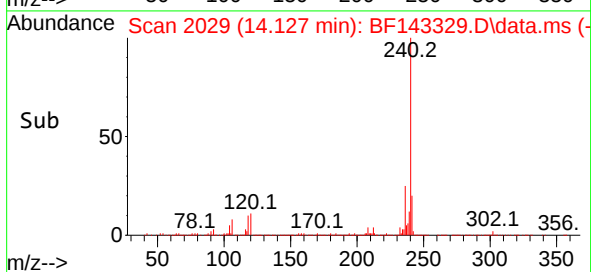
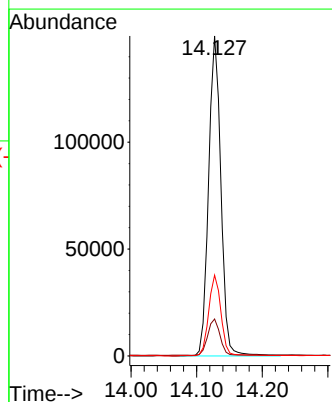
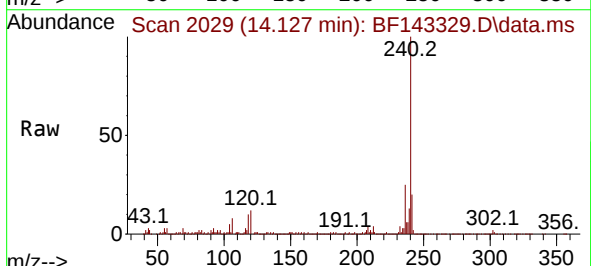
Instrument :
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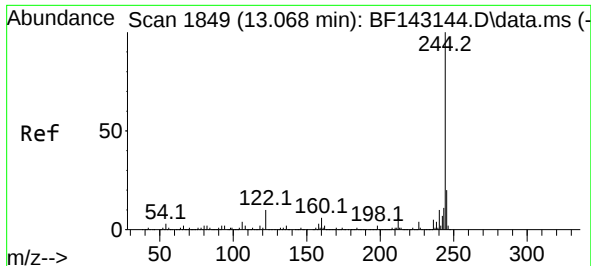
Tgt Ion:198 Resp: 210
Ion Ratio Lower Upper
198 100
51 332.7 37.2 77.2#
105 721.7 24.8 64.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143329.D
Acq: 06 Aug 2025 14:47

Tgt Ion:240 Resp: 195842
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 25.3 20.2 30.4

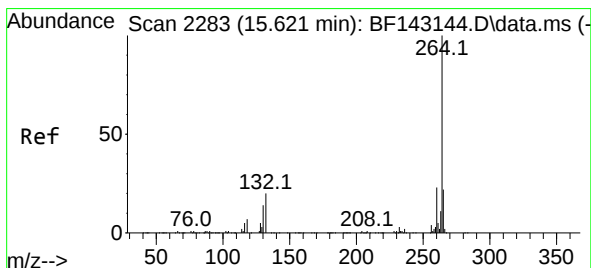
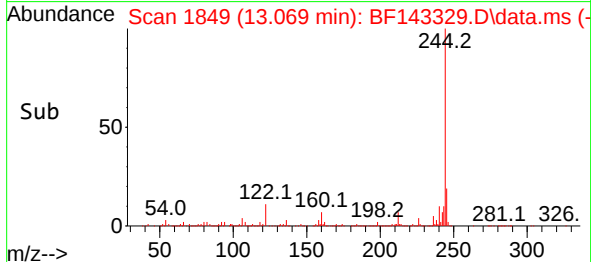
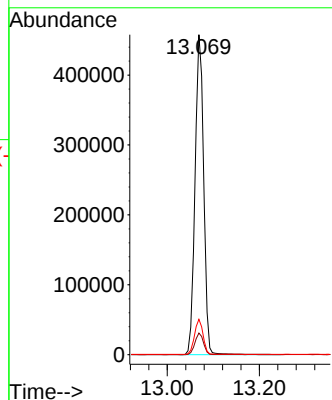
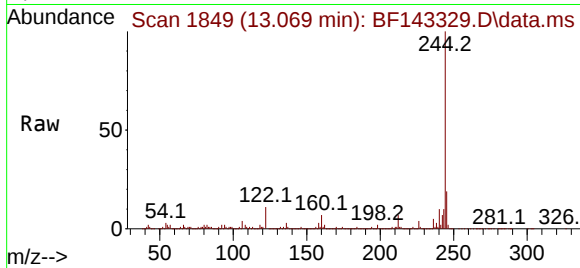




#79
 Terphenyl-d14
 Concen: 45.024 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143329.D
 Acq: 06 Aug 2025 14:47

Instrument :
 BNA_F
 ClientSampleId :
 72-12017

Tgt Ion:244 Resp: 592539
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 11.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.639 min Scan# 2286
 Delta R.T. 0.018 min
 Lab File: BF143329.D
 Acq: 06 Aug 2025 14:47

Tgt Ion:264 Resp: 156363
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.5 27.7
 265 22.1 17.4 26.2

