

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143229.D
 Acq On : 24 Jul 2025 13:02
 Operator : RC/JU
 Sample : Q2668-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 24 13:26:44 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)

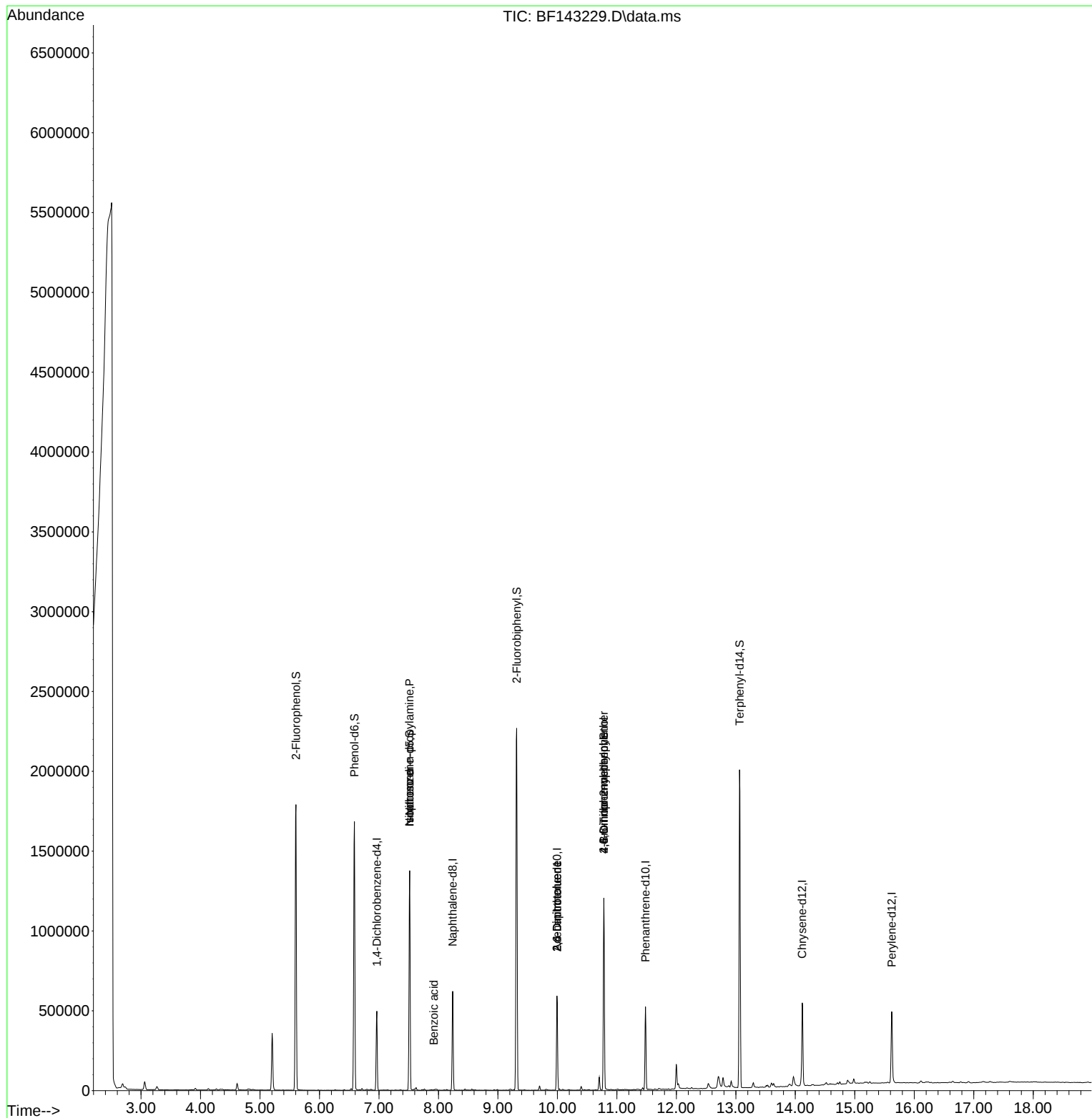
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	100983	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	368258	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	174503	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	255033	20.000	ng	0.00
76) Chrysene-d12	14.115	240	250818	20.000	ng	0.00
86) Perylene-d12	15.621	264	260501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	647827	101.518	ng	0.02
7) Phenol-d6	6.587	99	777144	96.754	ng	0.00
23) Nitrobenzene-d5	7.516	82	590970	79.993	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	201501	111.776	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1034834	81.102	ng	0.00
79) Terphenyl-d14	13.063	244	974196	57.799	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	81419	15.800	ng	# 78
25) Isophorone	7.516	82	588009	45.086	ng	# 66
32) Benzoic acid	7.922	122	795	5.385	ng	# 78
51) 2,6-Dinitrotoluene	9.992	165	22705	9.812	ng	# 22
57) 2,4-Dinitrotoluene	9.992	165	22705	7.821	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.780	198	471	5.725	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	12777	4.204	ng	# 1

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

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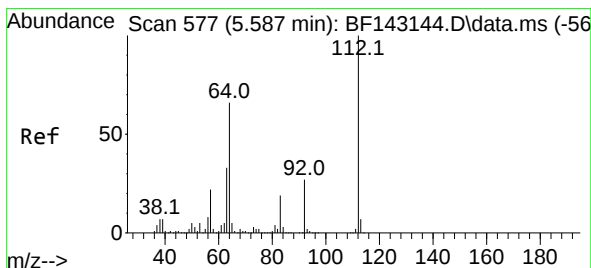
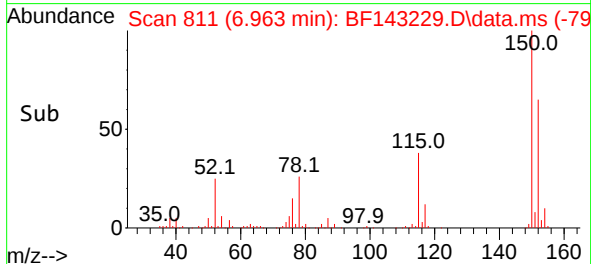
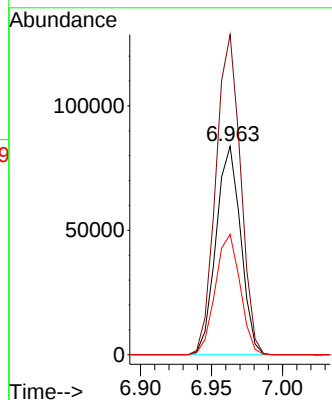
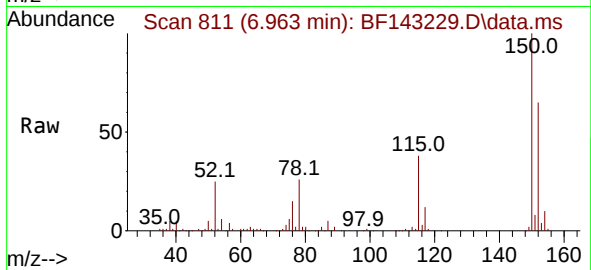




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

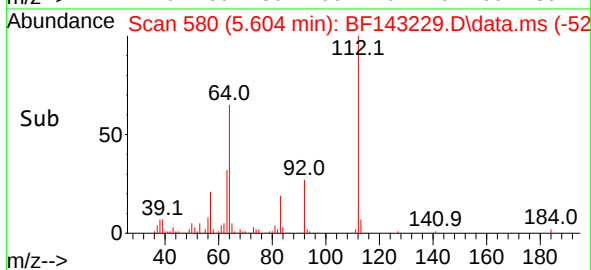
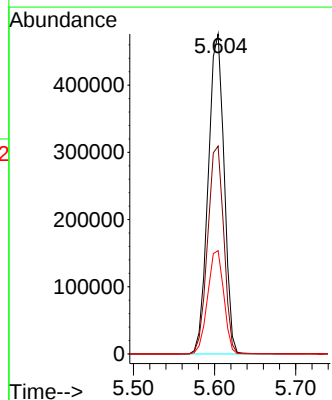
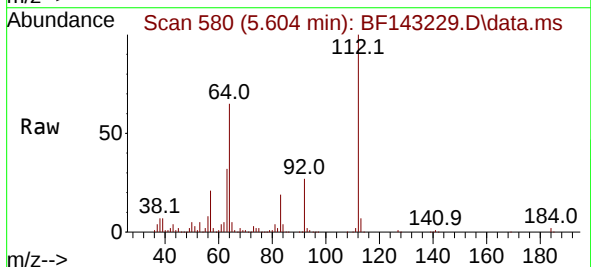
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ClientSampleId :
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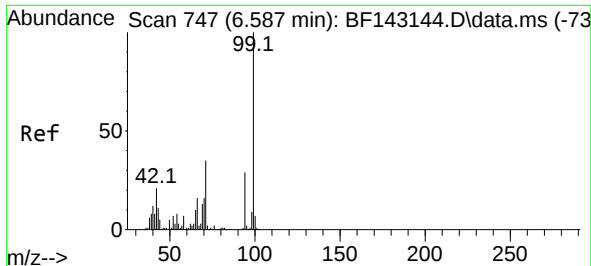
Tgt Ion:152 Resp: 100983
Ion Ratio Lower Upper
152 100
150 153.5 128.2 192.4
115 57.7 47.9 71.9



#5
2-Fluorophenol
Concen: 101.518 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion:112 Resp: 647827
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.3 26.6 40.0

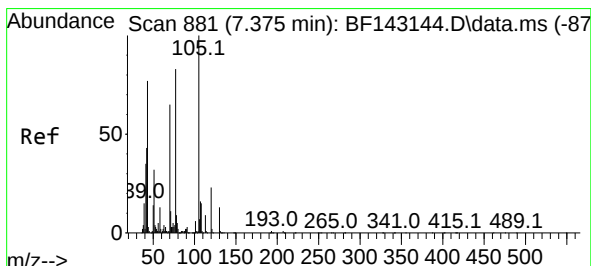
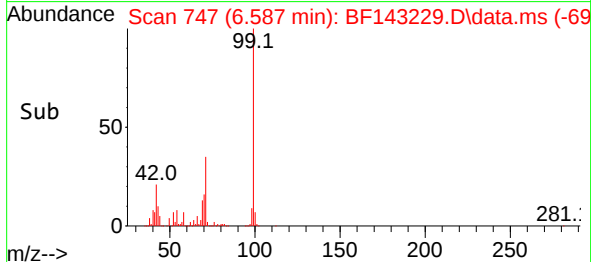
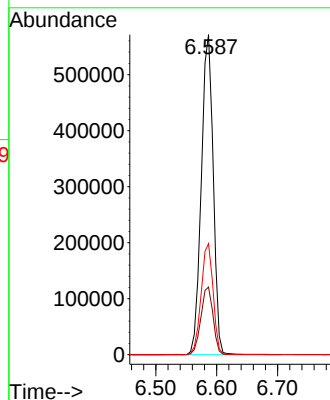
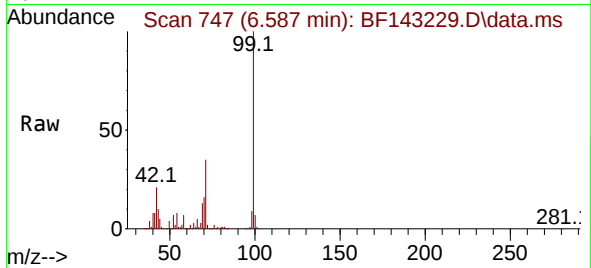




#7
Phenol-d6
Concen: 96.754 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

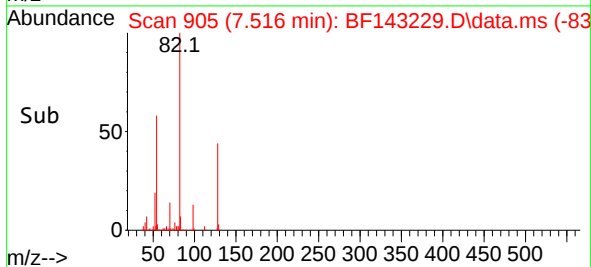
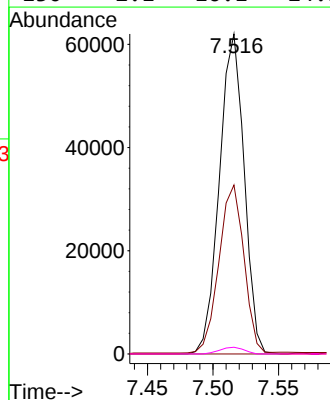
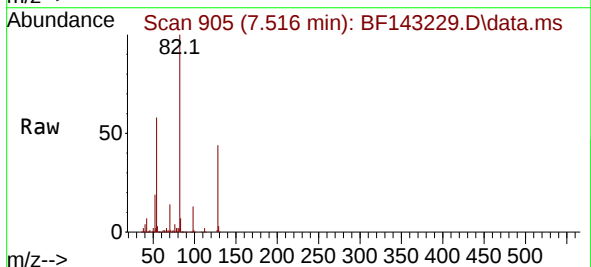
Instrument :
BNA_F
ClientSampleId :
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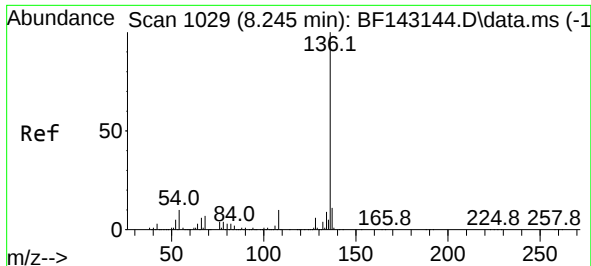
Tgt Ion: 99 Resp: 777144
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 34.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.800 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion: 70 Resp: 81419
Ion Ratio Lower Upper
70 100
42 52.8 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#



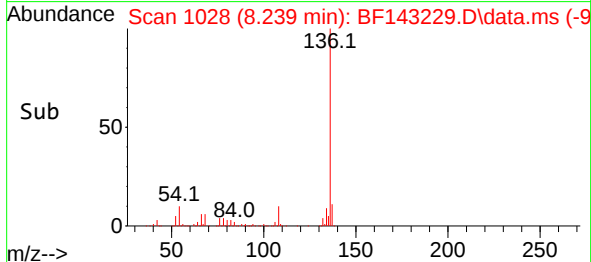
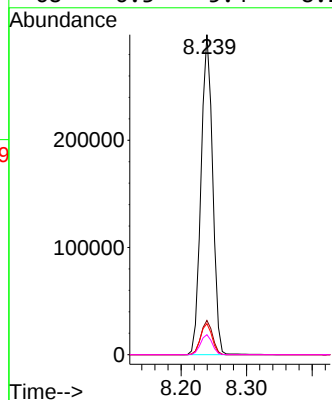
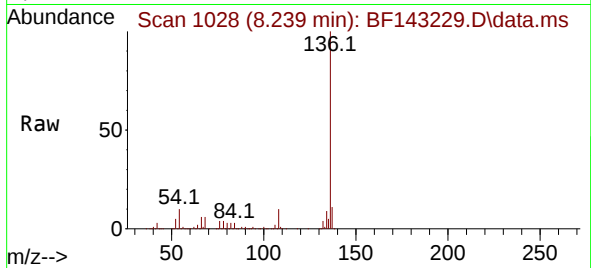


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 368258

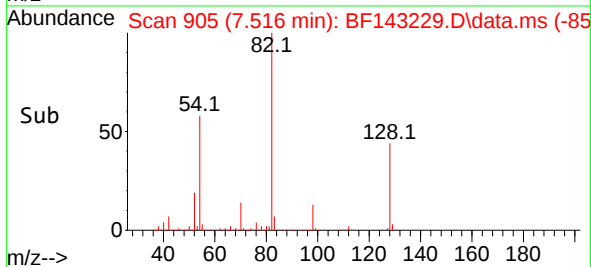
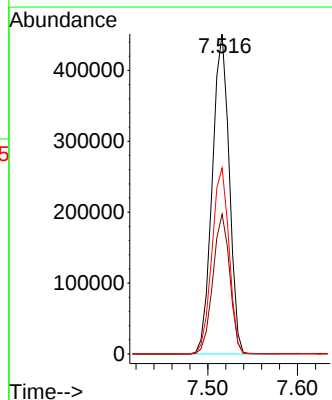
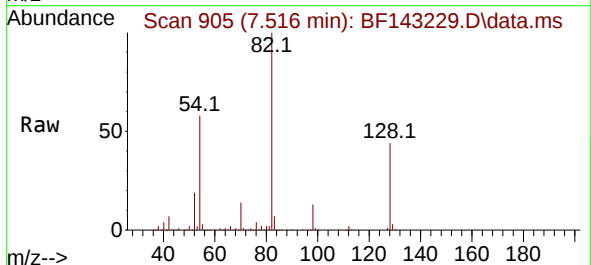
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.7	8.2	12.2
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 79.993 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion: 82 Resp: 590970

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.6	50.4
54	58.2	47.1	70.7

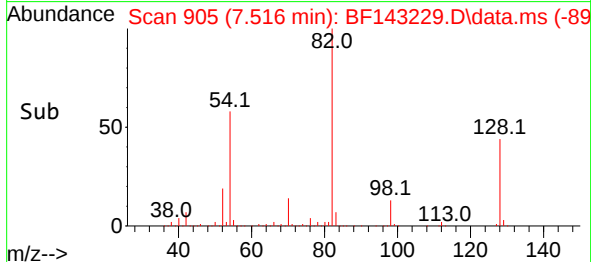
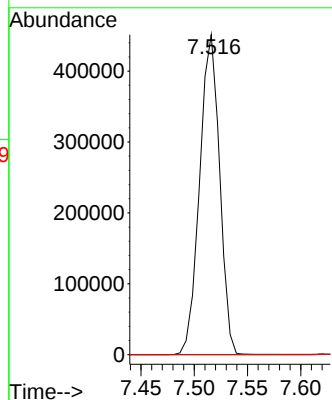
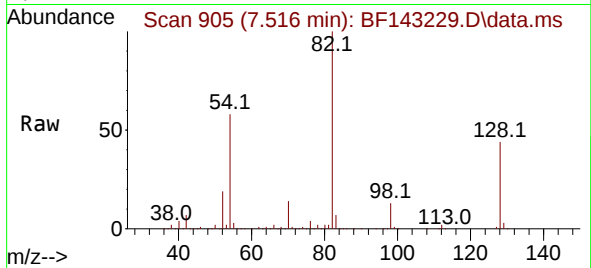




#25
Isophorone
Concen: 45.086 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

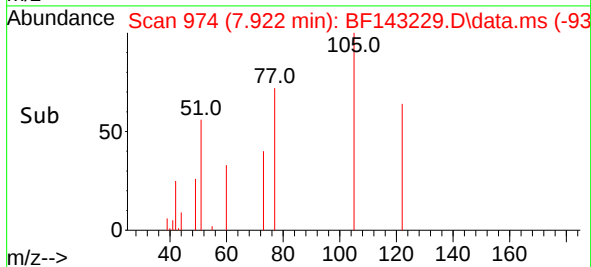
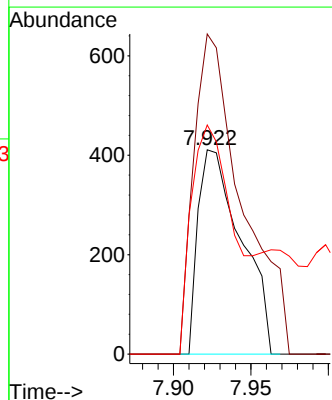
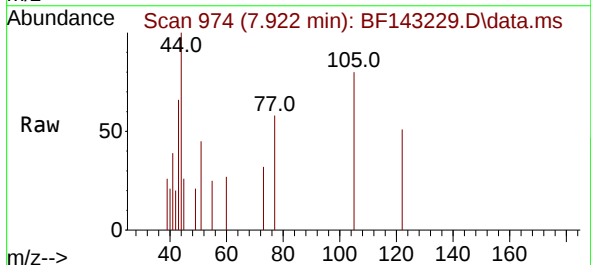
Instrument :
BNA_F
ClientSampleId :
TP-1

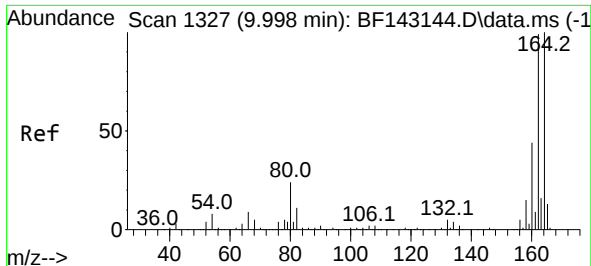
Tgt Ion: 82 Resp: 588009
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.385 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion:122 Resp: 795
Ion Ratio Lower Upper
122 100
105 156.7 104.8 144.8#
77 112.2 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143229.D

Acq: 24 Jul 2025 13:02

Instrument :

BNA_F

ClientSampleId :

TP-1

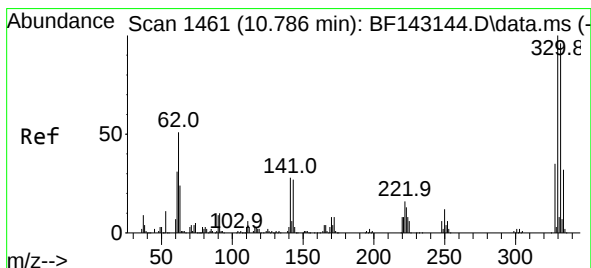
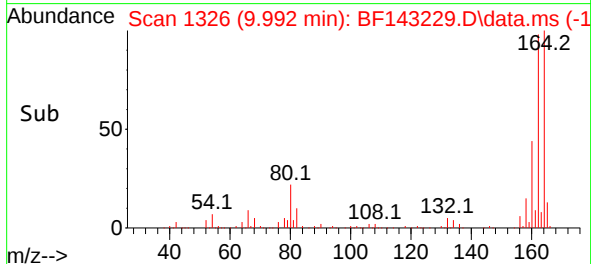
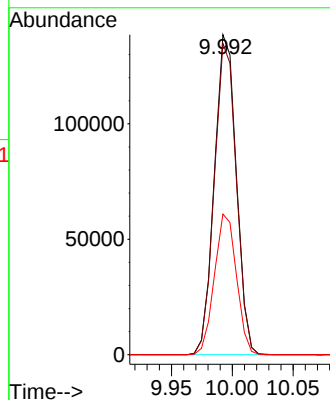
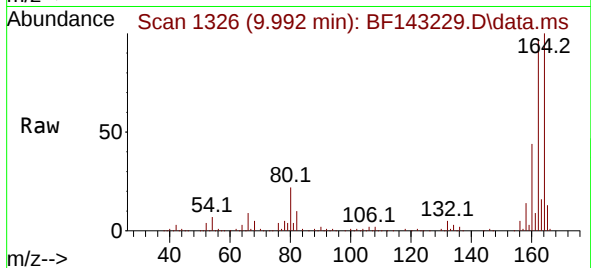
Tgt Ion:164 Resp: 174503

Ion Ratio Lower Upper

164 100

162 97.2 79.0 118.6

160 44.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 111.776 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143229.D

Acq: 24 Jul 2025 13:02

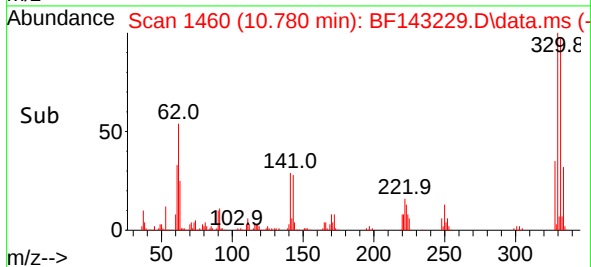
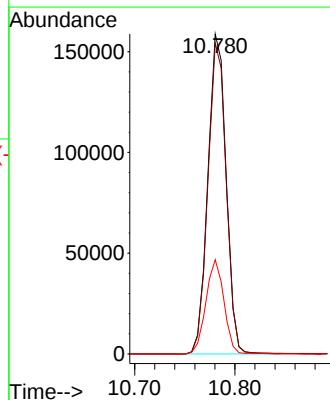
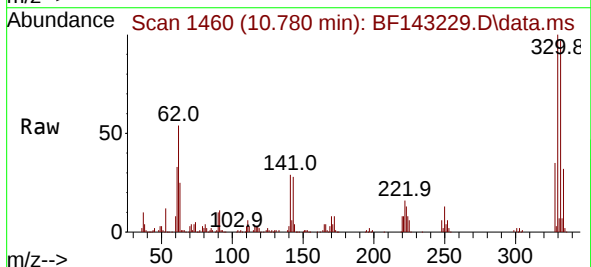
Tgt Ion:330 Resp: 201501

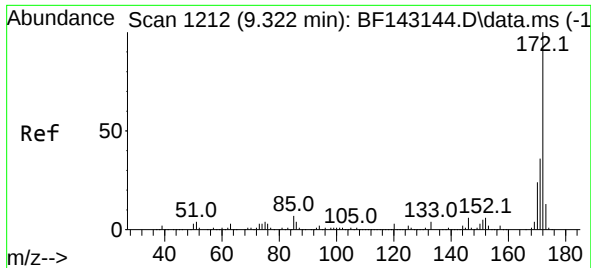
Ion Ratio Lower Upper

330 100

332 97.2 76.7 115.1

141 29.1 23.3 34.9

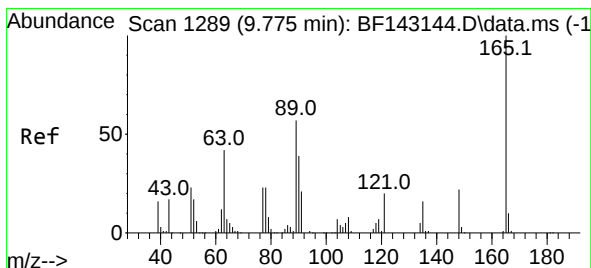
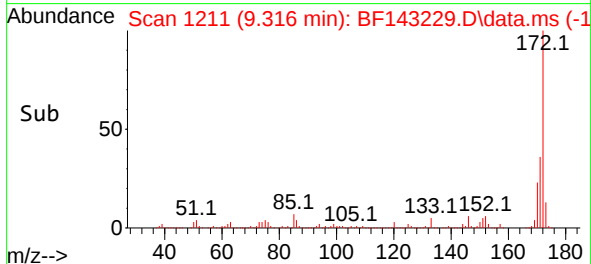
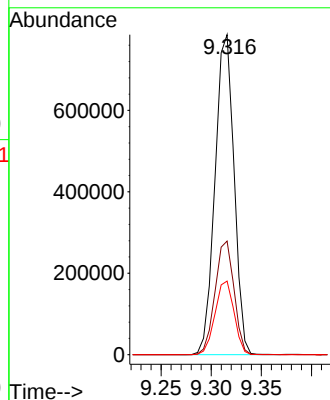
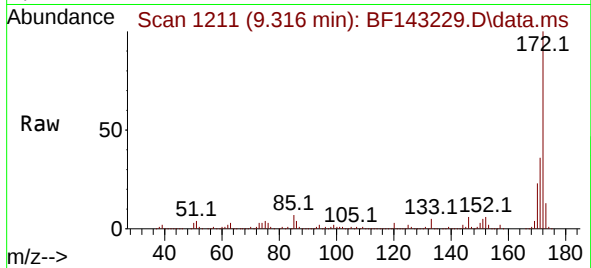




#45
2-Fluorobiphenyl
Concen: 81.102 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

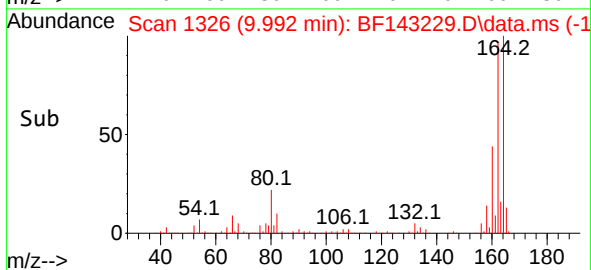
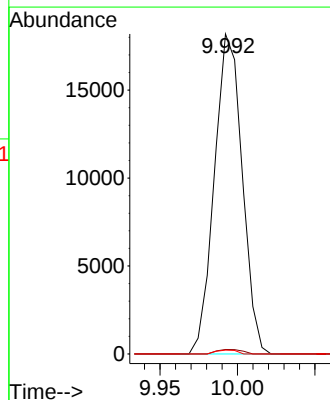
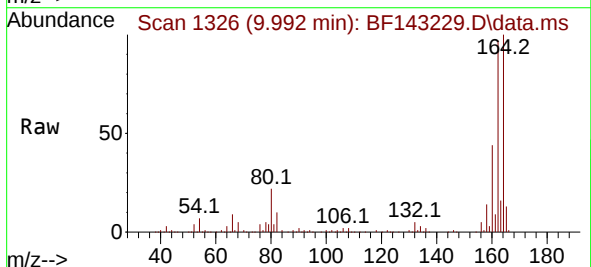
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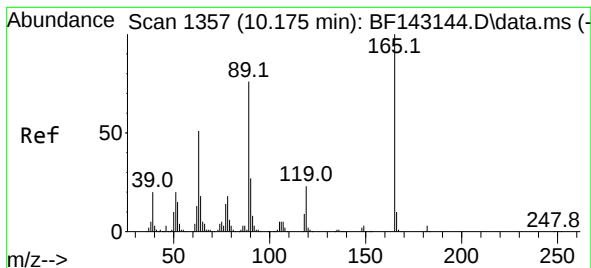
Tgt Ion:172 Resp: 1034834
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.0 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.812 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.218 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion:165 Resp: 22705
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.2#
89 1.2 46.2 69.2#

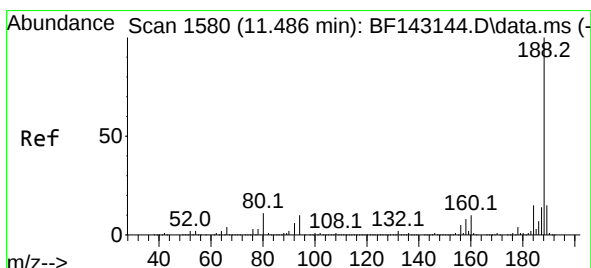
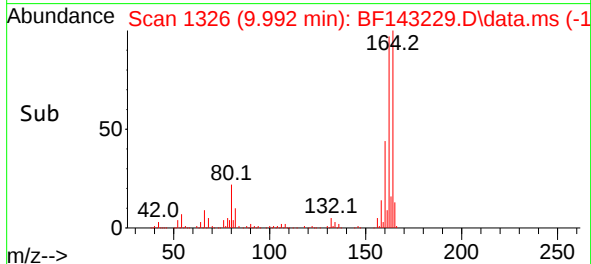
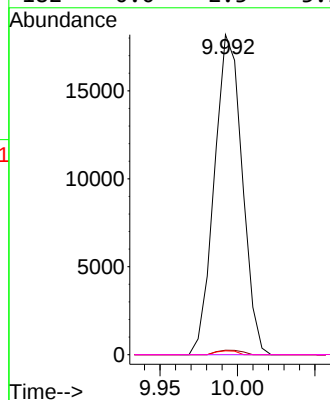
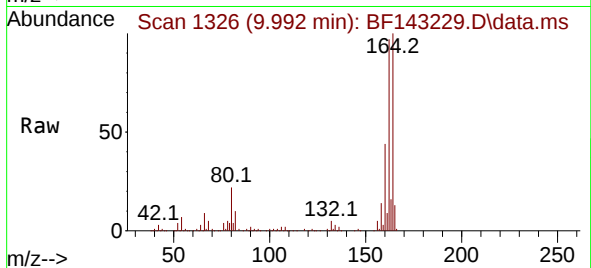




#57
2,4-Dinitrotoluene
Concen: 7.821 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

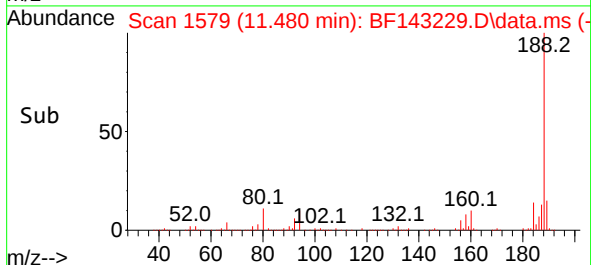
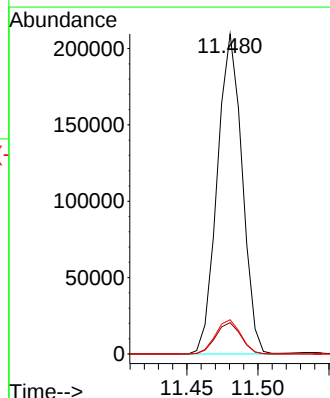
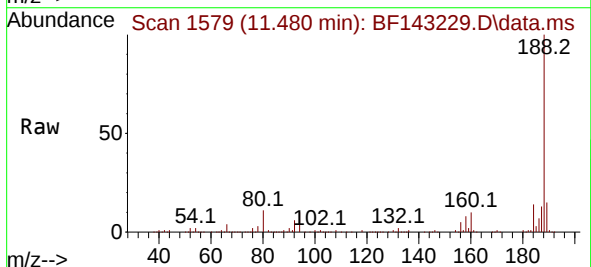
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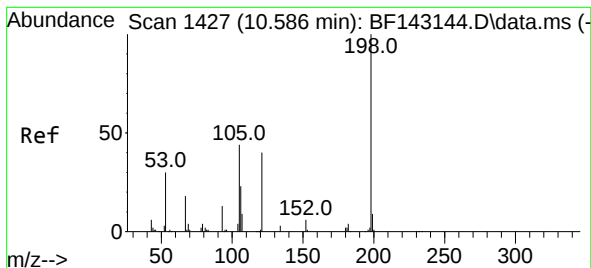
Tgt Ion:165 Resp: 22705
Ion Ratio Lower Upper
165 100
63 1.4 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion:188 Resp: 255033
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.7 9.0 13.6

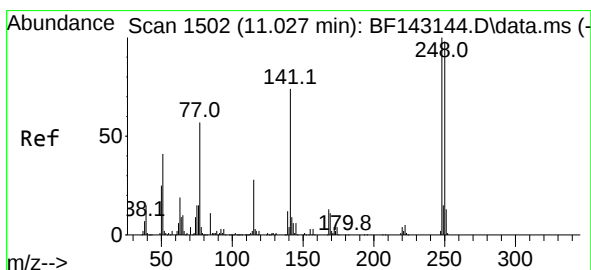
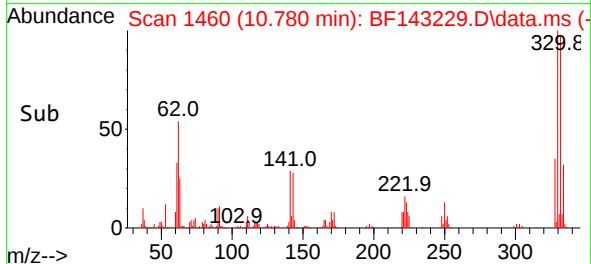
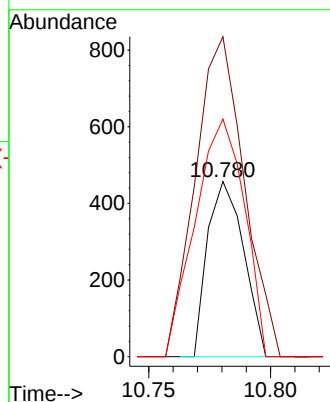
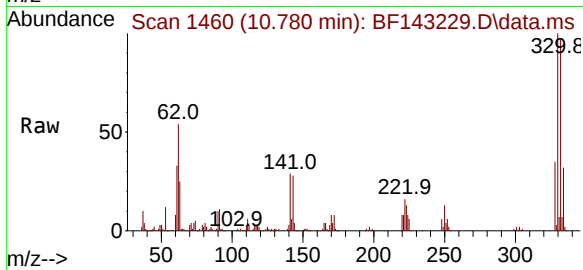




#65
4,6-Dinitro-2-methylphenol
Concen: 5.725 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

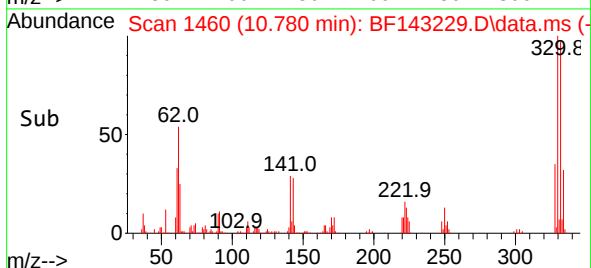
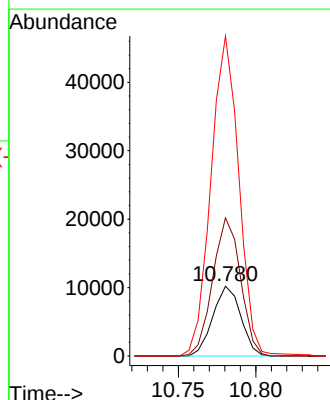
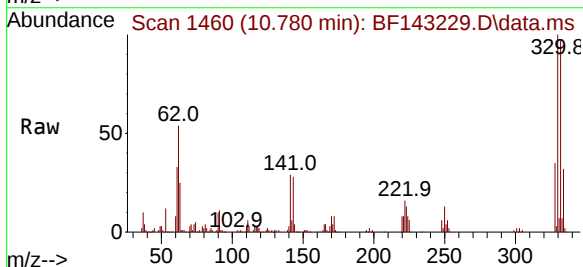
Instrument :
BNA_F
ClientSampleId :
TP-1

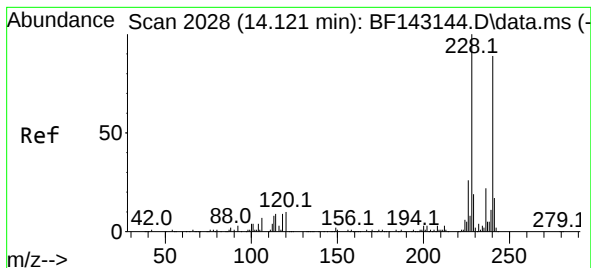
Tgt Ion:198 Resp: 471
Ion Ratio Lower Upper
198 100
51 182.7 37.2 77.2#
105 135.7 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 4.204 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Tgt Ion:248 Resp: 12777
Ion Ratio Lower Upper
248 100
250 197.9 78.3 117.5#
141 458.5 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143229.D

Acq: 24 Jul 2025 13:02

Instrument :

BNA_F

ClientSampleId :

TP-1

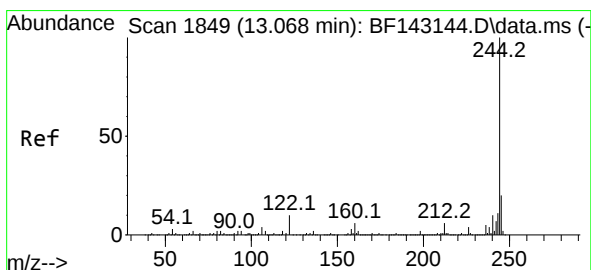
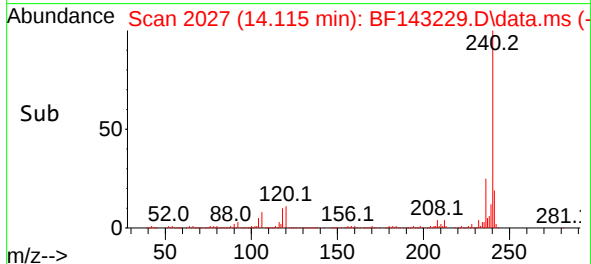
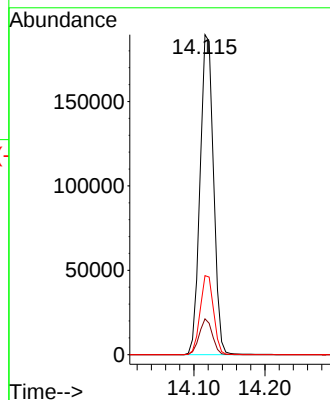
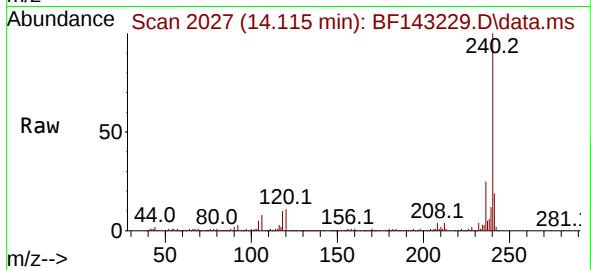
Tgt Ion:240 Resp: 250818

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 24.7 20.2 30.4



#79

Terphenyl-d14

Concen: 57.799 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143229.D

Acq: 24 Jul 2025 13:02

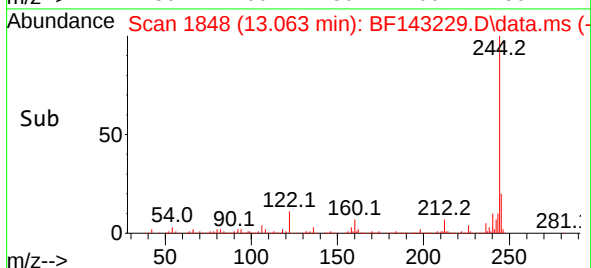
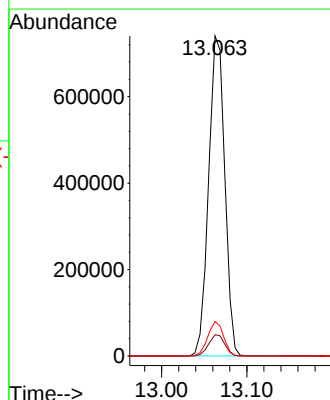
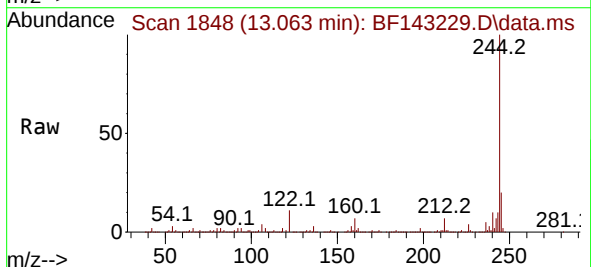
Tgt Ion:244 Resp: 974196

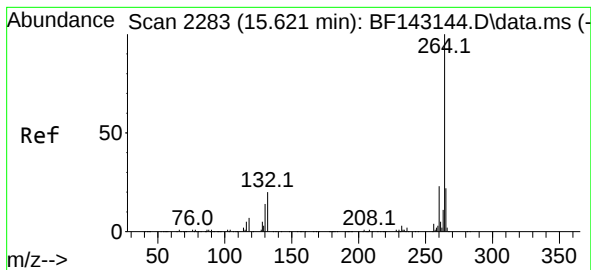
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

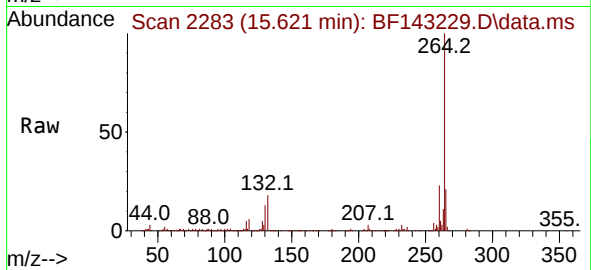
122 10.8 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143229.D
Acq: 24 Jul 2025 13:02

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:264 Resp: 260501
Ion Ratio Lower Upper
264 100
260 22.7 18.5 27.7
265 21.1 17.4 26.2

