

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143232.D
 Acq On : 24 Jul 2025 14:30
 Operator : RC/JU
 Sample : Q2668-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jul 24 14:53:48 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)

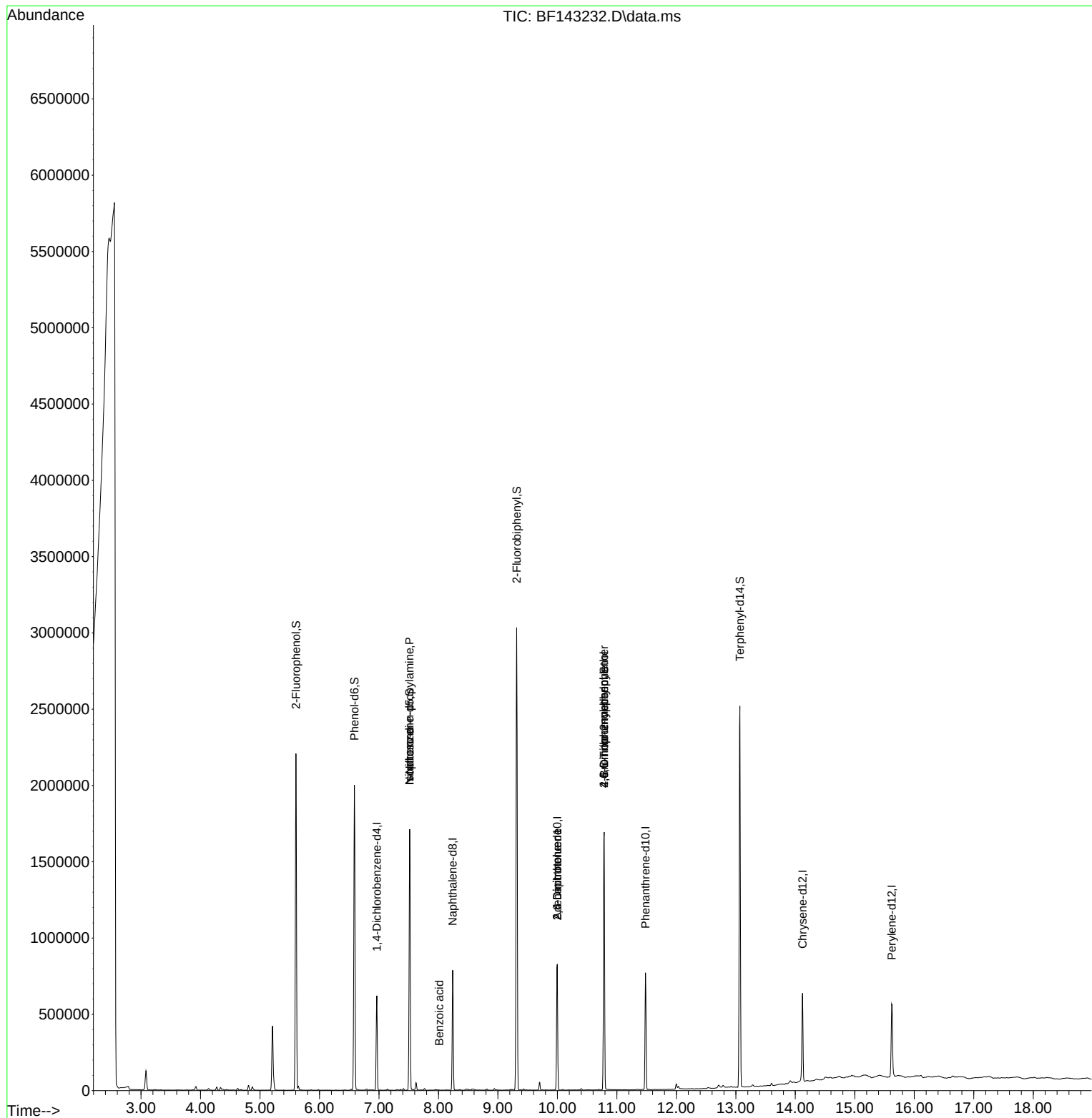
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	125378	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	468683	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	246103	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	378902	20.000	ng	0.00
76) Chrysene-d12	14.121	240	279013	20.000	ng	0.00
86) Perylene-d12	15.621	264	288304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	801251	101.130	ng	0.02
7) Phenol-d6	6.587	99	924048	92.660	ng	0.00
23) Nitrobenzene-d5	7.516	82	747153	79.464	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	308125	121.195	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1348195	74.921	ng	0.00
79) Terphenyl-d14	13.069	244	1229362	65.568	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	101731	15.900	ng	# 79
25) Isophorone	7.516	82	744122	44.831	ng	# 66
32) Benzoic acid	8.016	122	124	5.203	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	30706	9.409	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	30706	7.500	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	561	5.663	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19238	4.260	ng	# 1

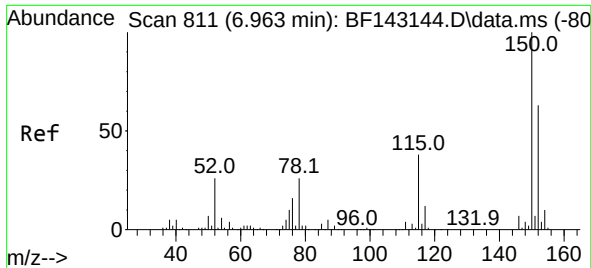
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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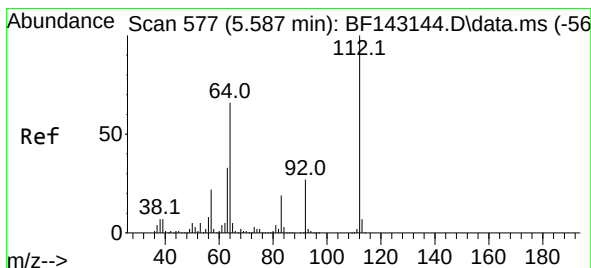
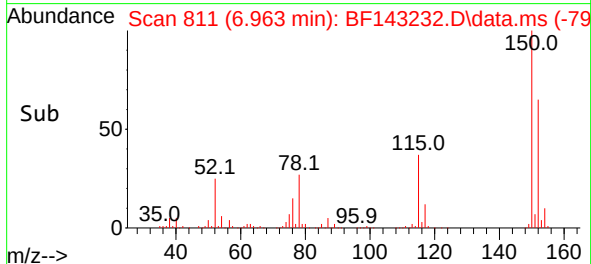
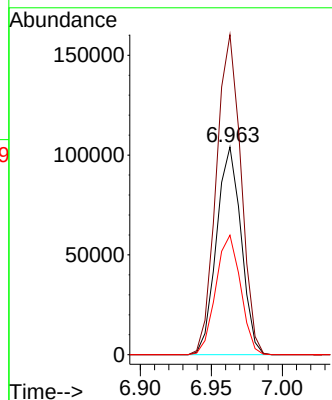
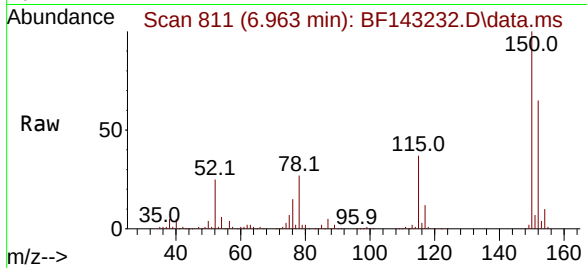




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

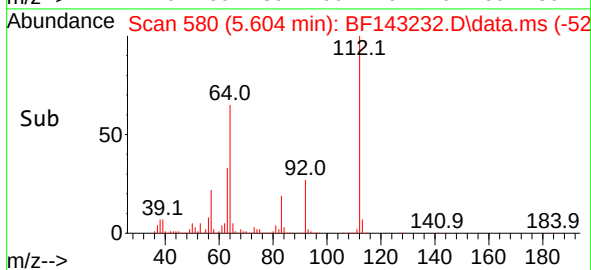
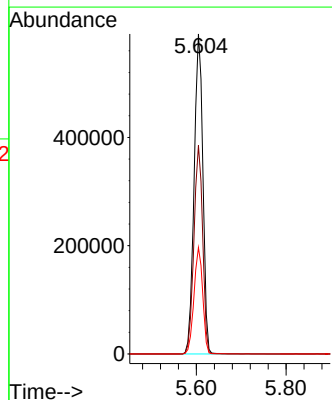
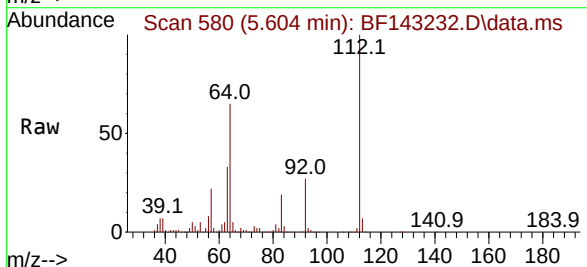
Instrument :
BNA_F
ClientSampleId :
TP-2

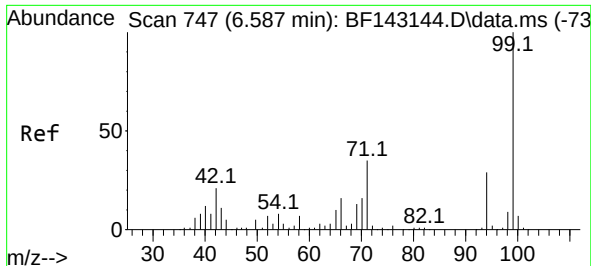
Tgt Ion:152 Resp: 125378
Ion Ratio Lower Upper
152 100
150 154.0 128.2 192.4
115 57.5 47.9 71.9



#5
2-Fluorophenol
Concen: 101.130 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion:112 Resp: 801251
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 33.2 26.6 40.0

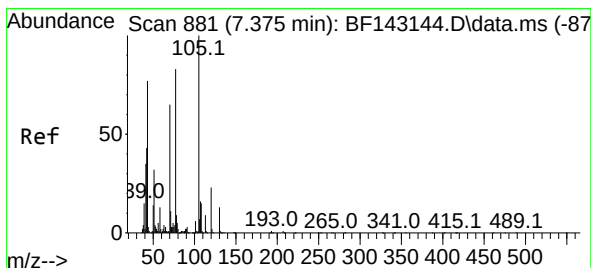
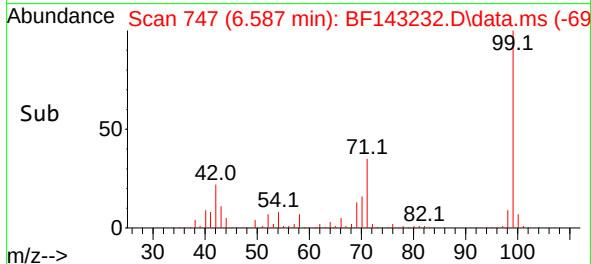
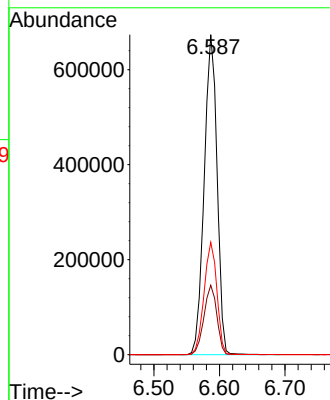
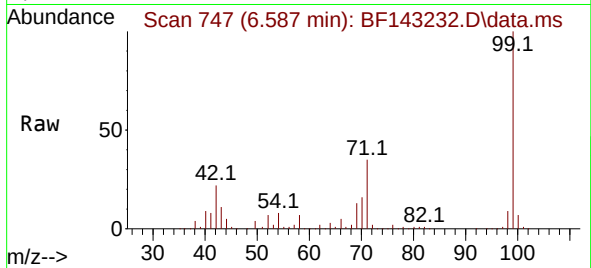




#7
Phenol-d6
Concen: 92.660 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

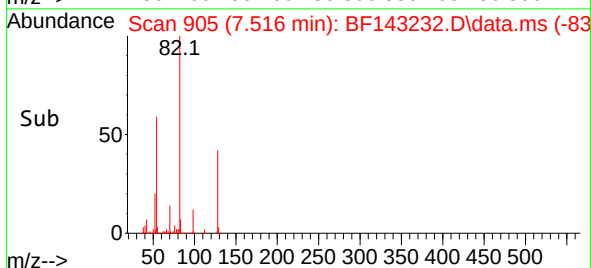
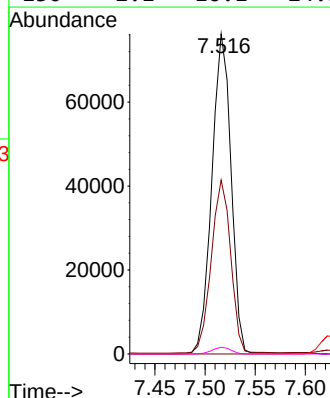
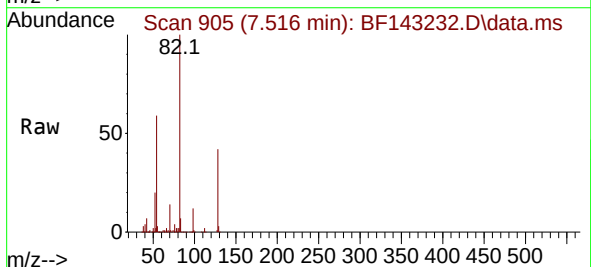
Instrument :
BNA_F
ClientSampleId :
TP-2

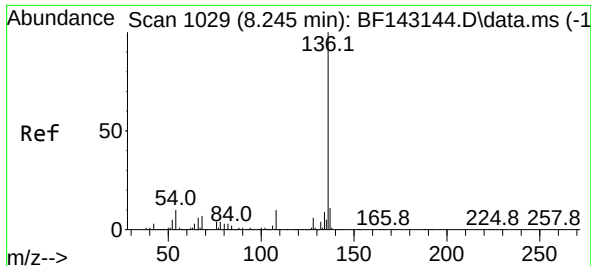
Tgt Ion: 99 Resp: 924048
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 35.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.900 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion: 70 Resp: 101731
Ion Ratio Lower Upper
70 100
42 54.4 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#

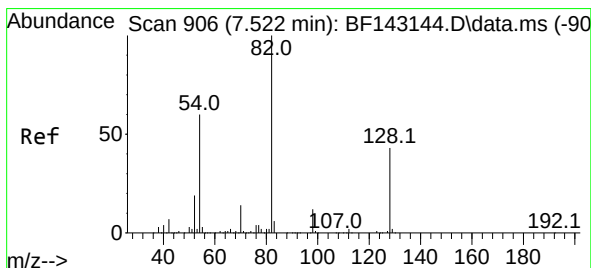
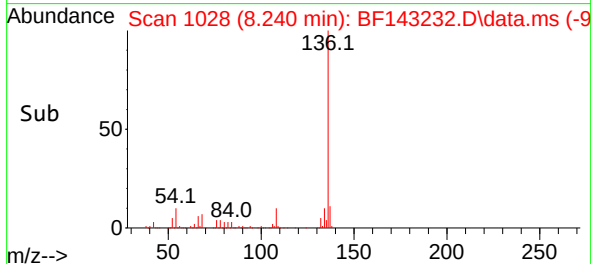
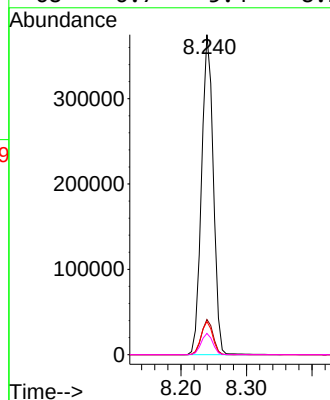
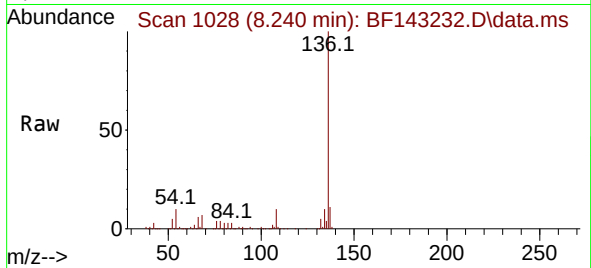




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

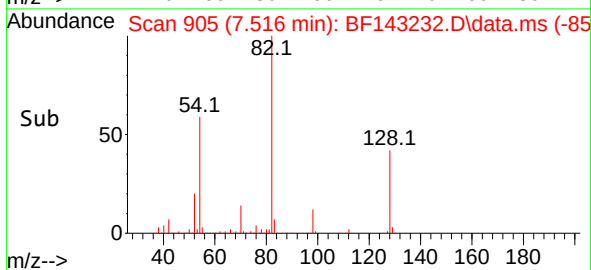
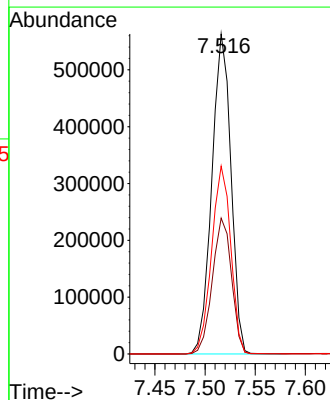
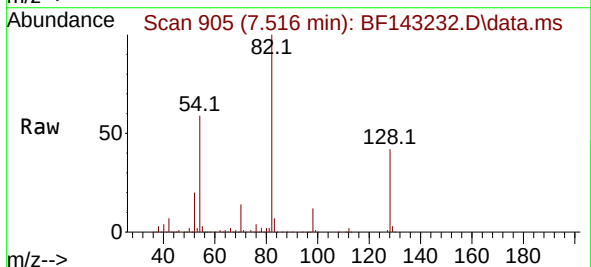
Instrument :
BNA_F
ClientSampleId :
TP-2

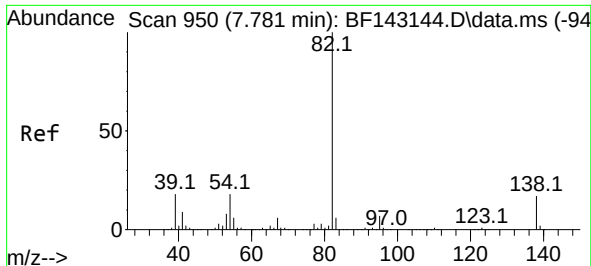
Tgt Ion:	136	Resp:	468683
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.2	12.2
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 79.464 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion:	82	Resp:	747153
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	58.7	47.1	70.7

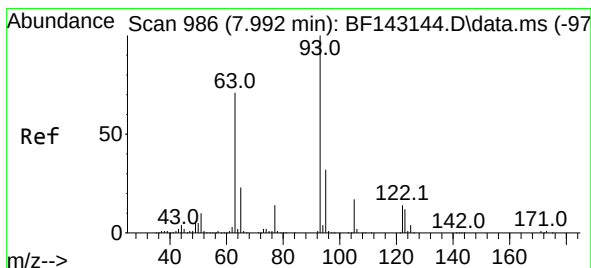
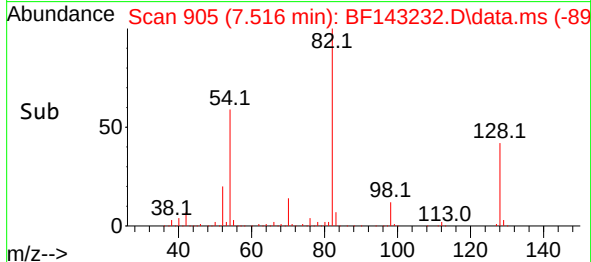
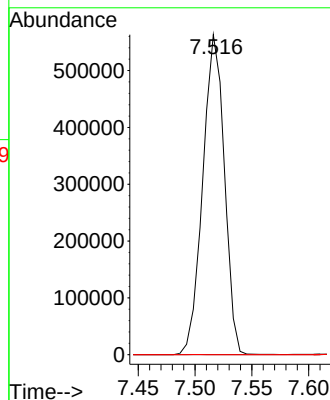
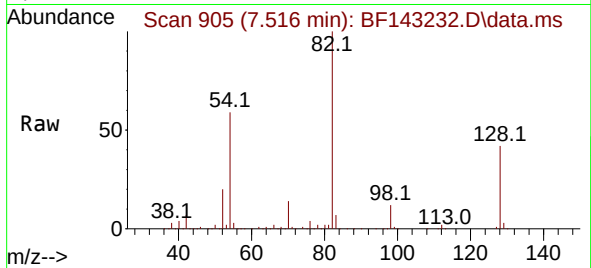




#25
Isophorone
Concen: 44.831 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

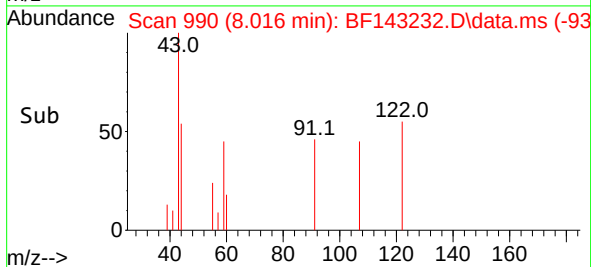
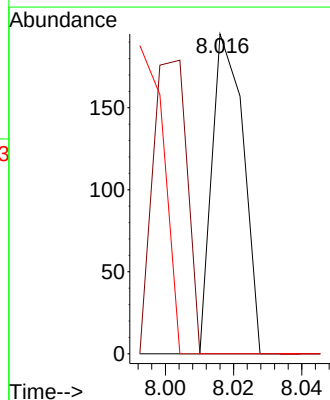
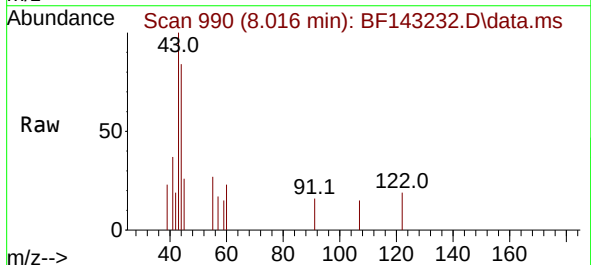
Instrument :
BNA_F
ClientSampleId :
TP-2

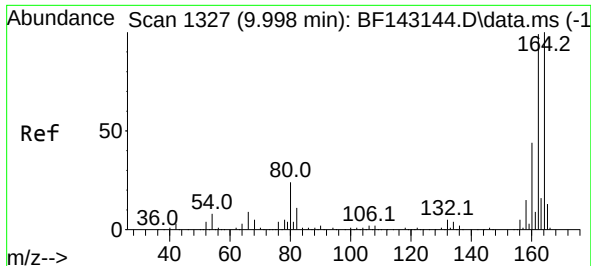
Tgt Ion: 82 Resp: 744122
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.203 ng
RT: 8.016 min Scan# 990
Delta R.T. 0.024 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 0.0 104.8 144.8#
77 0.0 77.6 117.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143232.D

Acq: 24 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

TP-2

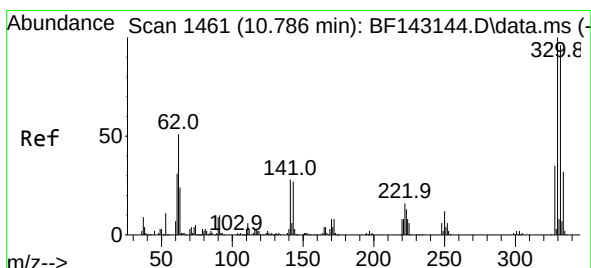
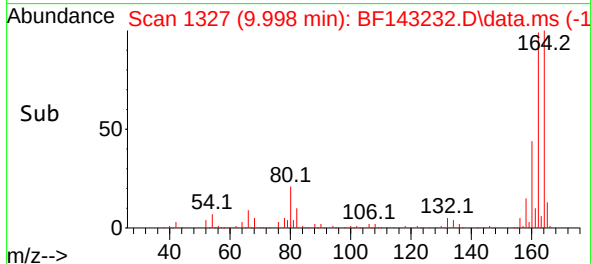
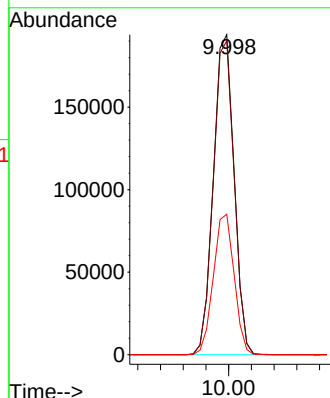
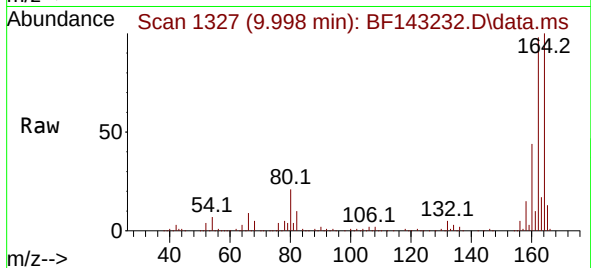
Tgt Ion:164 Resp: 246103

Ion Ratio Lower Upper

164 100

162 98.1 79.0 118.6

160 43.9 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 121.195 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143232.D

Acq: 24 Jul 2025 14:30

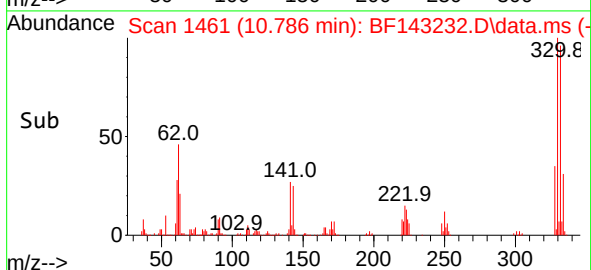
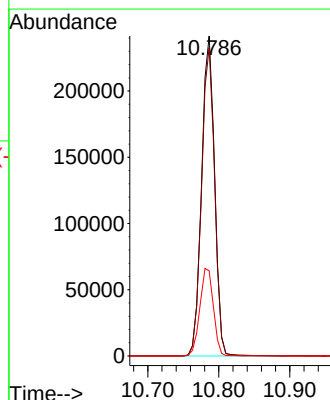
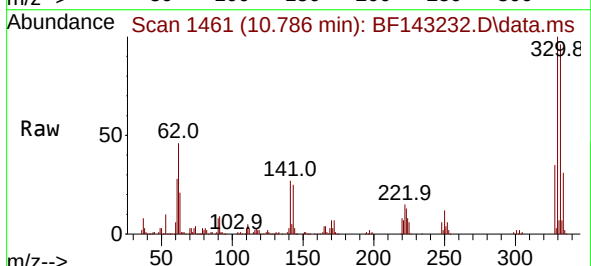
Tgt Ion:330 Resp: 308125

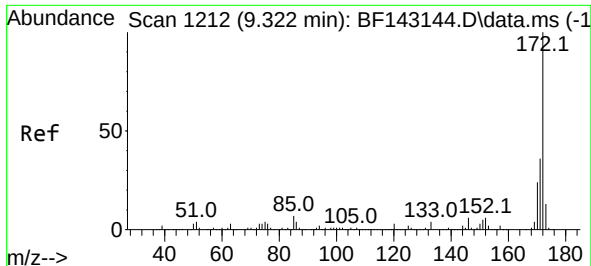
Ion Ratio Lower Upper

330 100

332 96.7 76.7 115.1

141 28.5 23.3 34.9

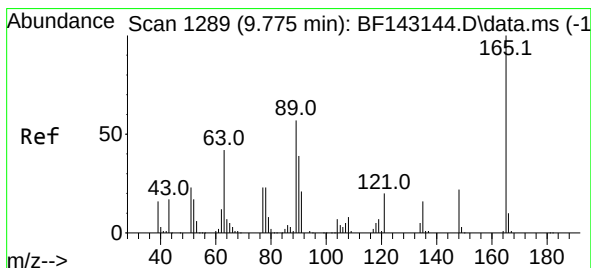
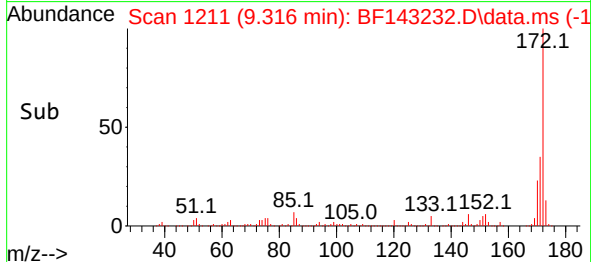
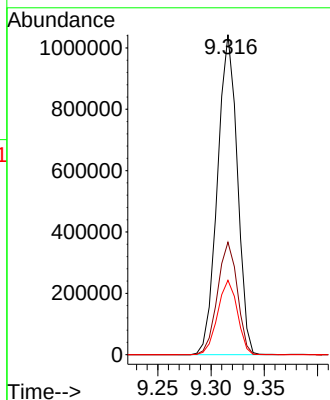
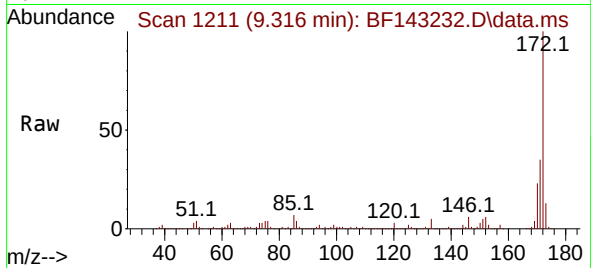




#45
2-Fluorobiphenyl
Concen: 74.921 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

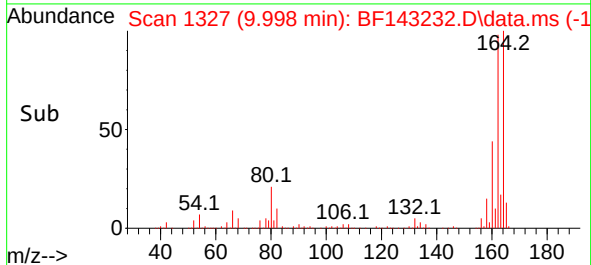
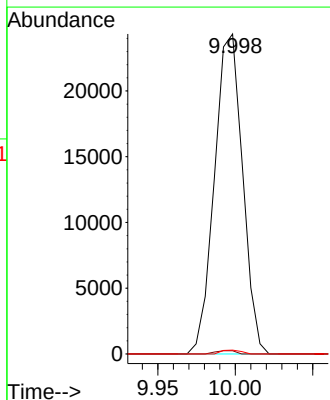
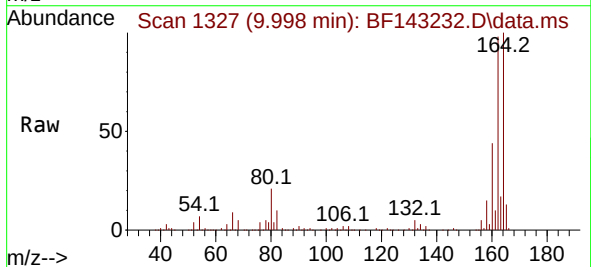
Instrument :
BNA_F
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TP-2

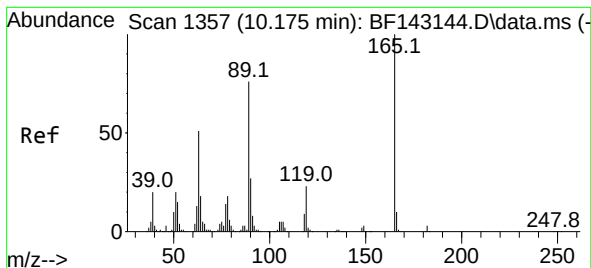
Tgt Ion:172 Resp: 1348195
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.409 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion:165 Resp: 30706
Ion Ratio Lower Upper
165 100
63 1.0 49.4 74.2#
89 1.2 46.2 69.2#





#57

2,4-Dinitrotoluene

Concen: 7.500 ng

RT: 9.998 min Scan# 11

Delta R.T. -0.176 min

Lab File: BF143232.D

Acq: 24 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:165 Resp: 30706

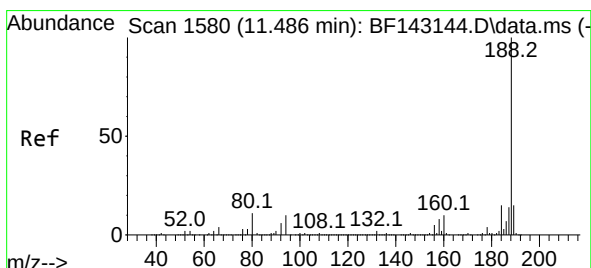
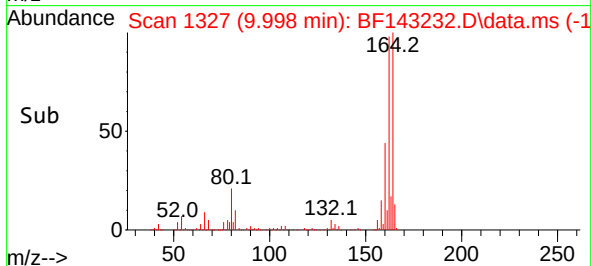
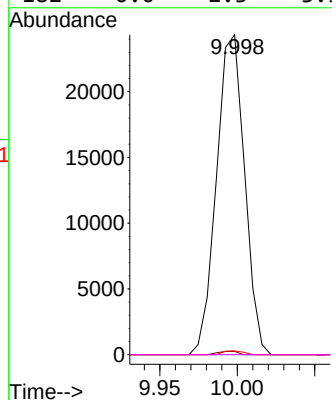
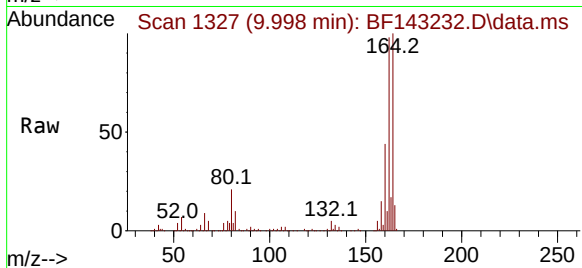
Ion Ratio Lower Upper

165 100

63 1.0 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: BF143232.D

Acq: 24 Jul 2025 14:30

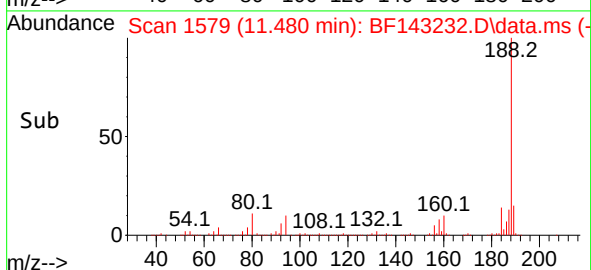
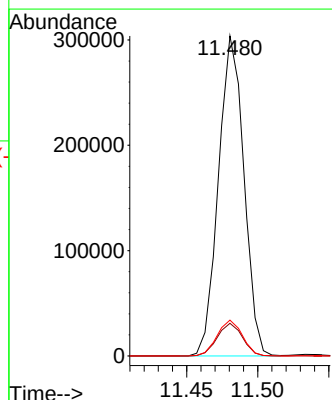
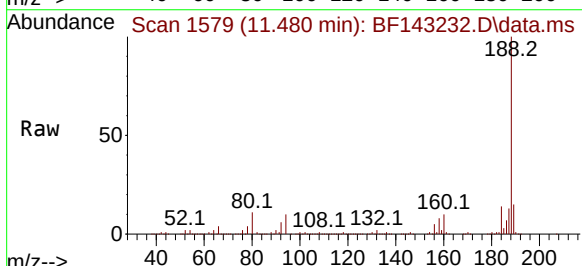
Tgt Ion:188 Resp: 378902

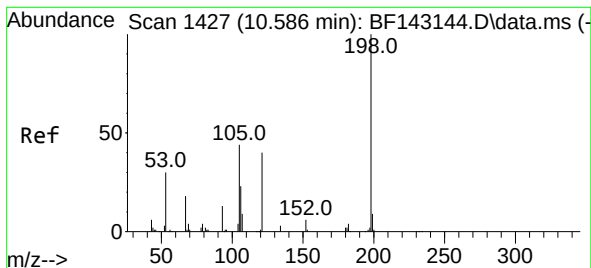
Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

80 11.2 9.0 13.6

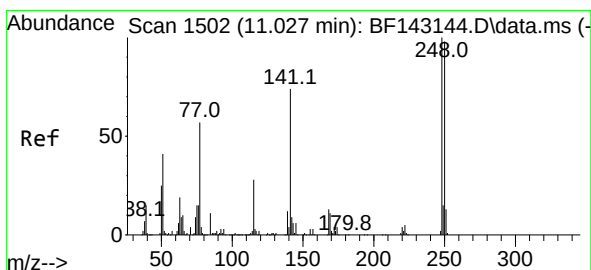
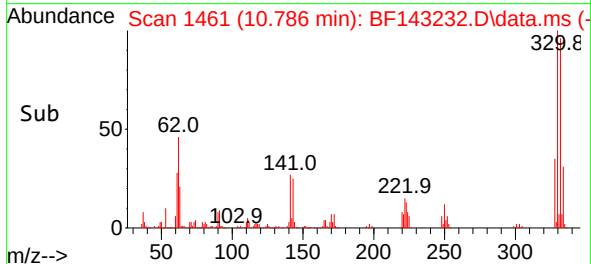
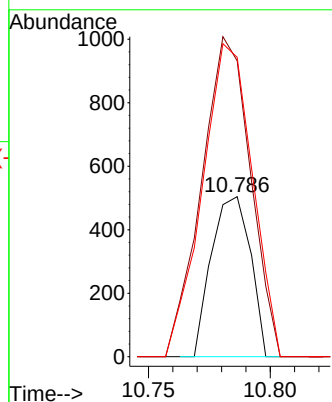
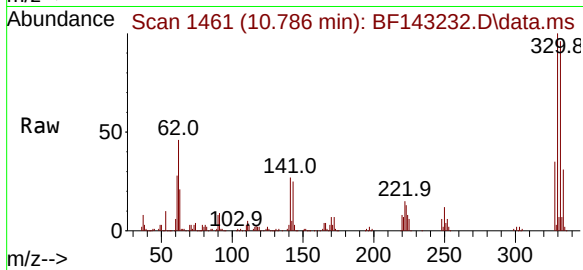




#65
4,6-Dinitro-2-methylphenol
Concen: 5.663 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

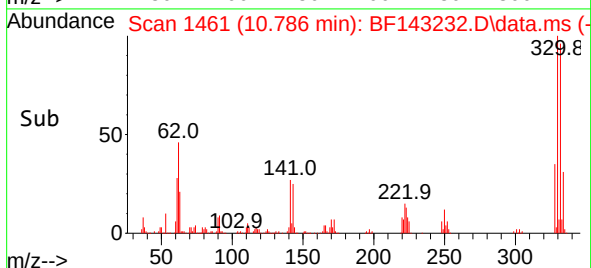
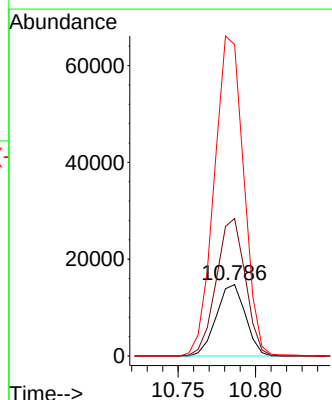
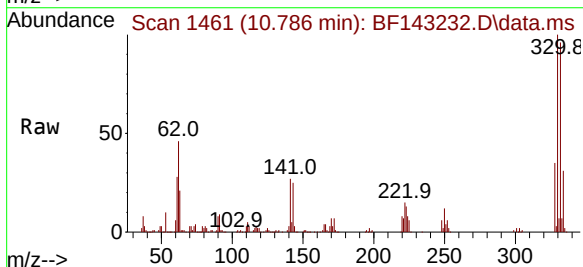
Instrument :
BNA_F
ClientSampleId :
TP-2

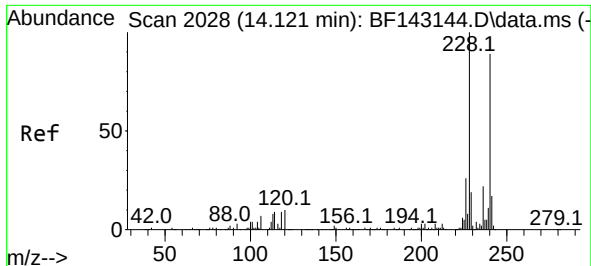
Tgt Ion:198 Resp: 561
Ion Ratio Lower Upper
198 100
51 184.9 37.2 77.2#
105 187.1 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 4.260 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion:248 Resp: 19238
Ion Ratio Lower Upper
248 100
250 192.4 78.3 117.5#
141 435.8 59.2 88.8#

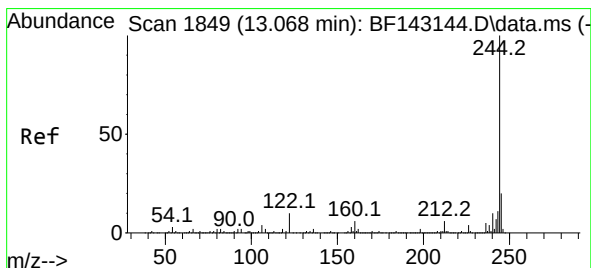
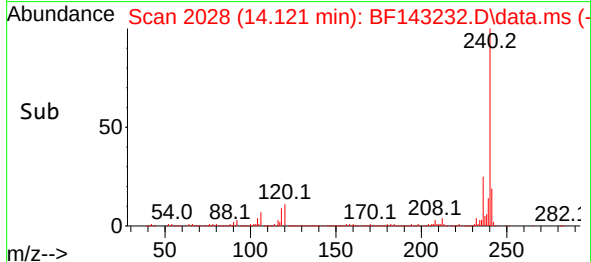
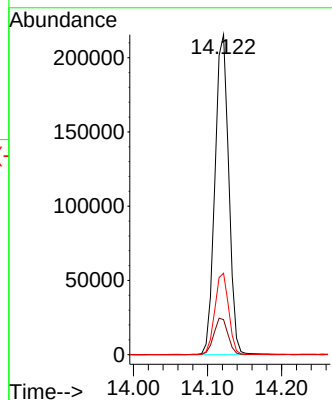
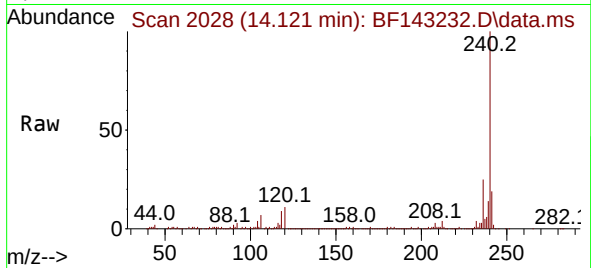




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

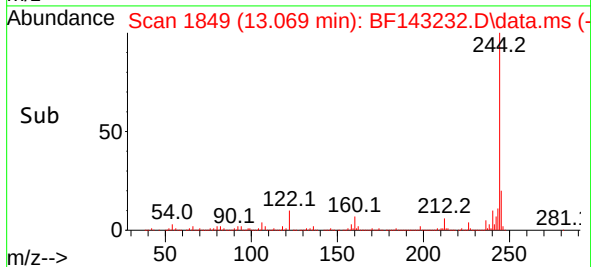
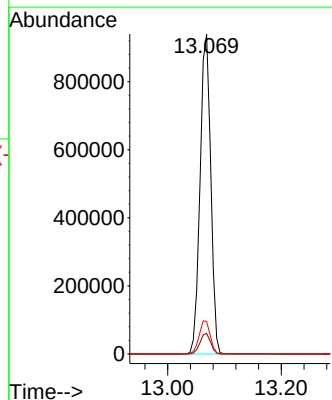
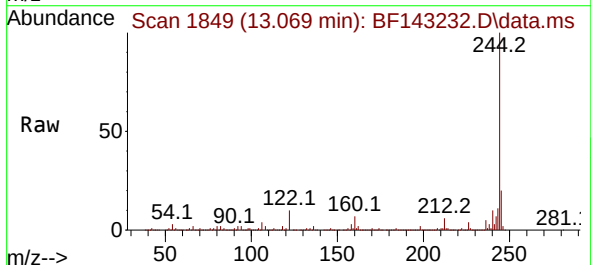
Instrument :
BNA_F
ClientSampleId :
TP-2

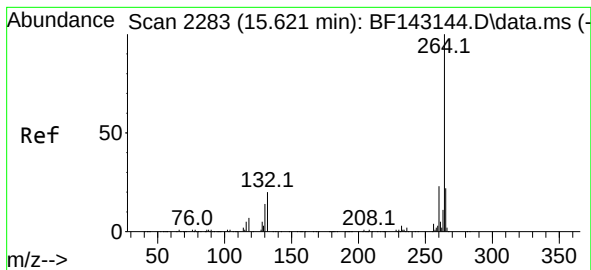
Tgt Ion:240 Resp: 279013
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 25.5 20.2 30.4



#79
Terphenyl-d14
Concen: 65.568 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143232.D
Acq: 24 Jul 2025 14:30

Tgt Ion:244 Resp: 1229362
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 10.2 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: BF143232.D

Acq: 24 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:264 Resp: 288304

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.3 17.4 26.2

