

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143944.D
 Acq On : 13 Oct 2025 20:54
 Operator : RC/JU
 Sample : Q3327-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HADLEY-ROAD-TP

Quant Time: Oct 14 01:31:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

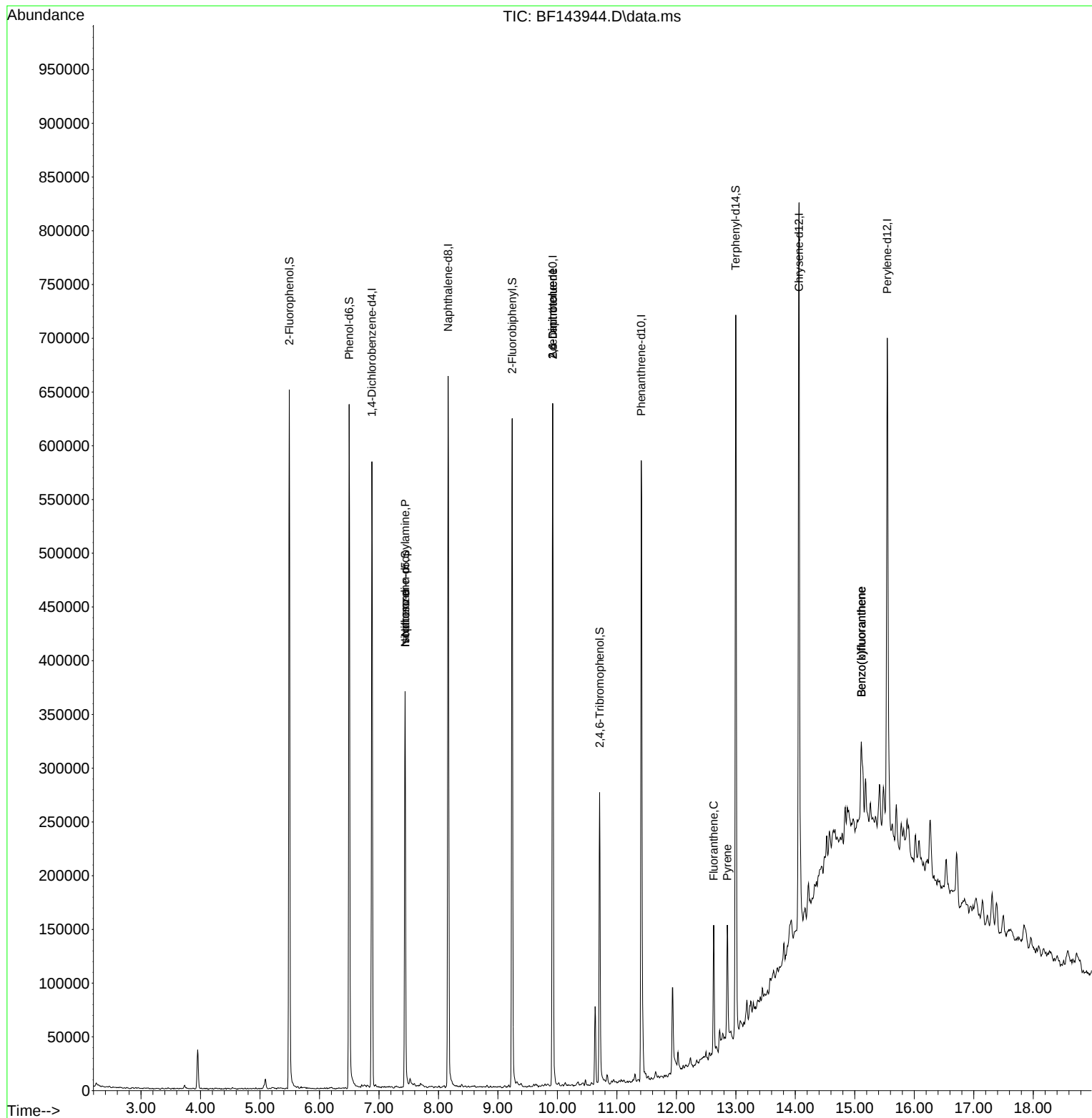
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118288	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	415855	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	189375	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	313795	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	334489	20.000	ng	0.00
86) Perylene-d12	15.545	264	301190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	249858	33.543	ng	0.00
7) Phenol-d6	6.498	99	285605	32.167	ng	-0.02
23) Nitrobenzene-d5	7.439	82	155579	22.729	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	49541	26.265	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	304378	25.503	ng	-0.01
79) Terphenyl-d14	12.998	244	343419	17.547	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	22736	3.741	ng	# 73
25) Isophorone	7.439	82	129346	8.962	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	23564	10.567	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	23564	7.766	ng	# 27
75) Fluoranthene	12.627	202	67271	4.281	ng	99
78) Pyrene	12.857	202	60736	2.178	ng	100
88) Benzo(b)fluoranthene	15.110	252	54761	3.165	ng	# 88
89) Benzo(k)fluoranthene	15.110	252	54761	3.421	ng	# 89

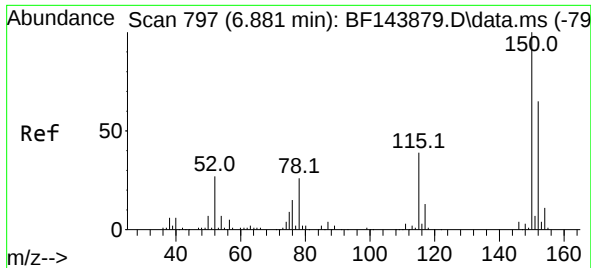
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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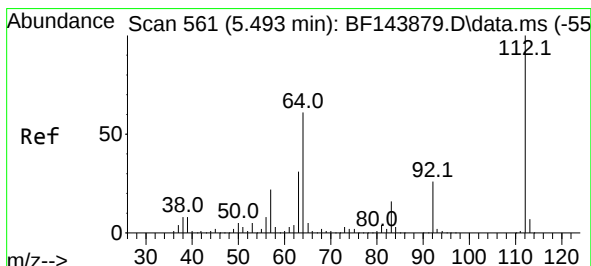
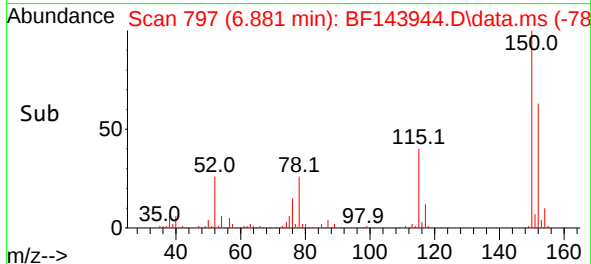
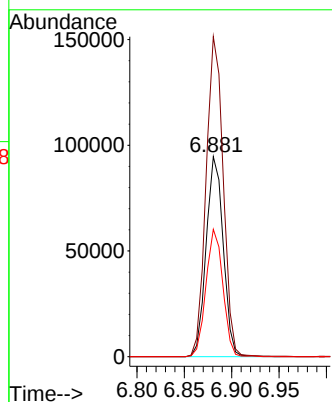
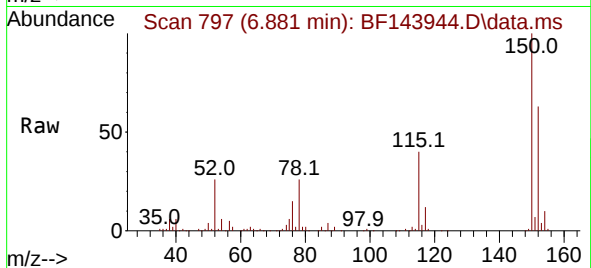




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

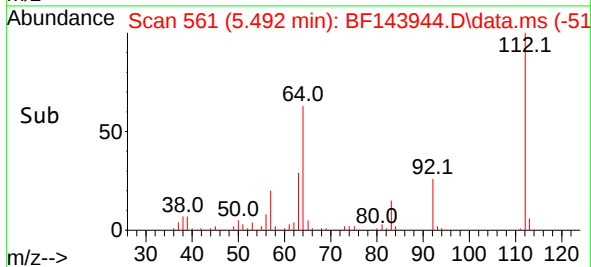
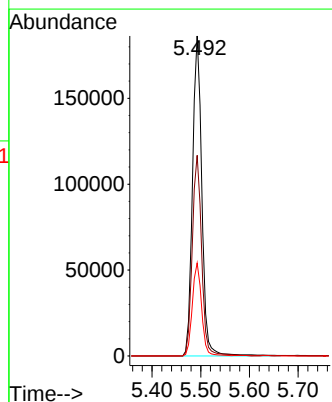
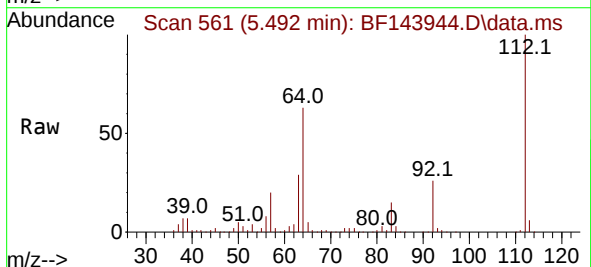
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

Tgt Ion:152 Resp: 118288
Ion Ratio Lower Upper
152 100
150 159.9 124.4 186.6
115 63.6 48.1 72.1



#5
2-Fluorophenol
Concen: 33.543 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:112 Resp: 249858
Ion Ratio Lower Upper
112 100
64 62.7 49.1 73.7
63 29.0 24.5 36.7

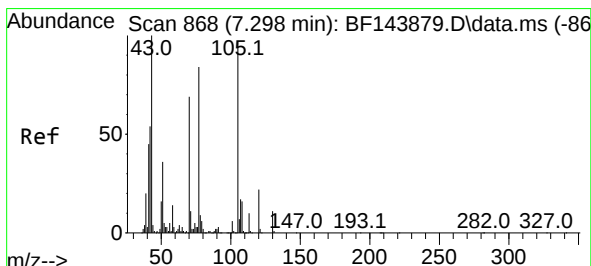
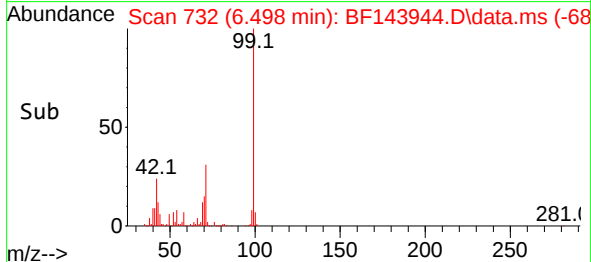
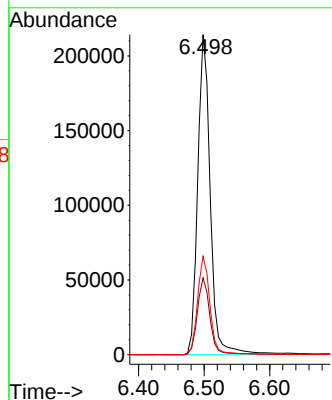
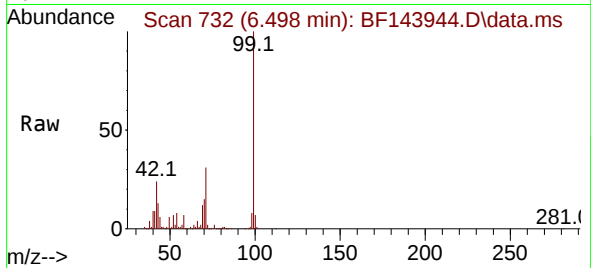




#7
Phenol-d6
Concen: 32.167 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

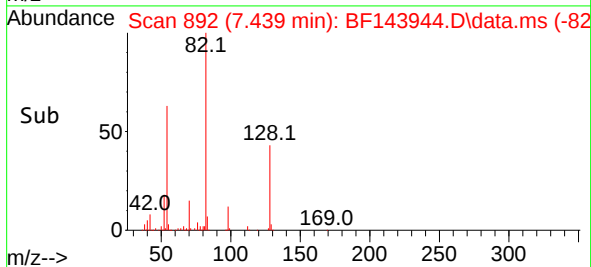
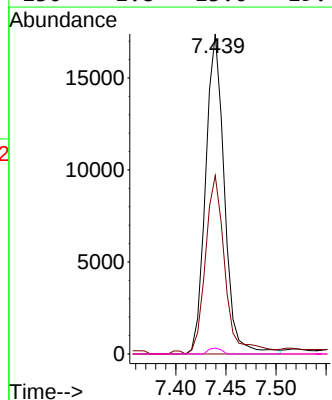
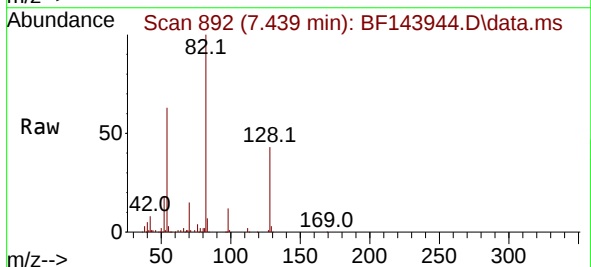
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

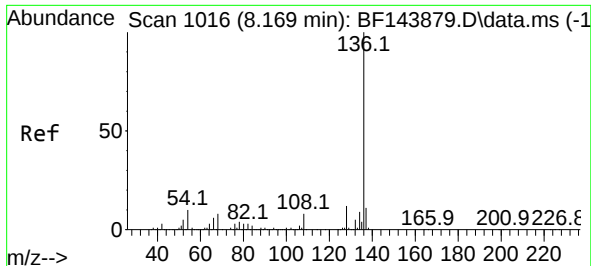
Tgt Ion: 99 Resp: 285605
Ion Ratio Lower Upper
99 100
42 24.0 21.0 31.4
71 30.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.741 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion: 70 Resp: 22736
Ion Ratio Lower Upper
70 100
42 55.7 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



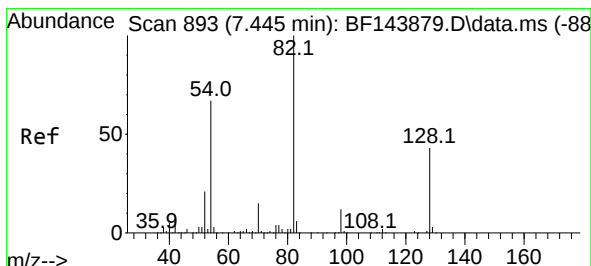
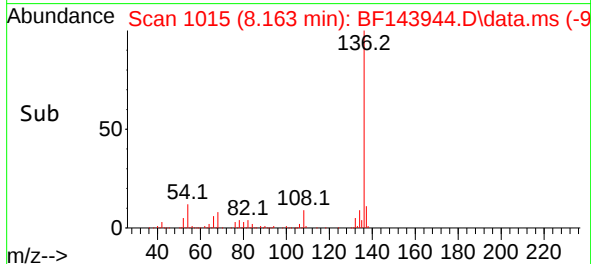
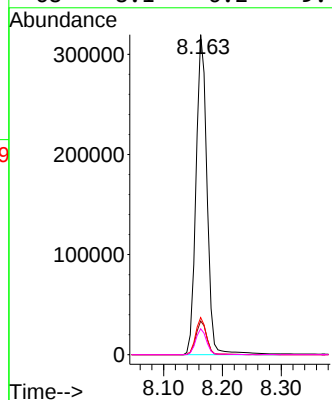
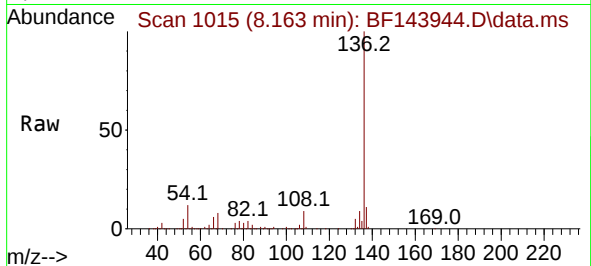


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

Tgt Ion:136 Resp: 415855

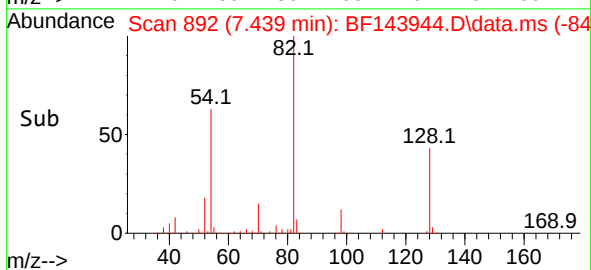
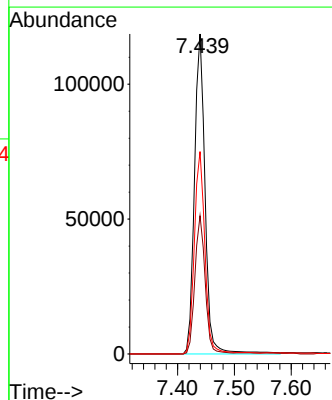
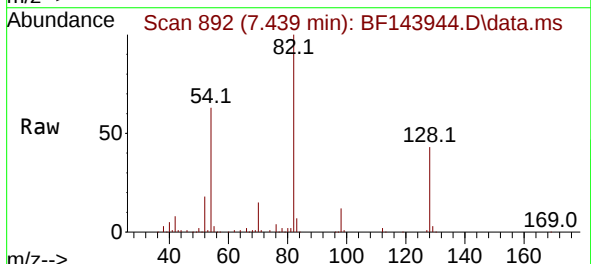
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.6	8.2	12.4
68	8.1	6.2	9.4

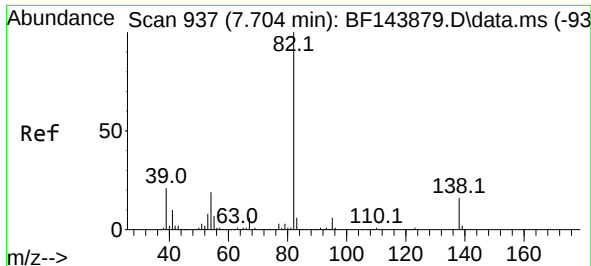


#23
Nitrobenzene-d5
Concen: 22.729 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion: 82 Resp: 155579

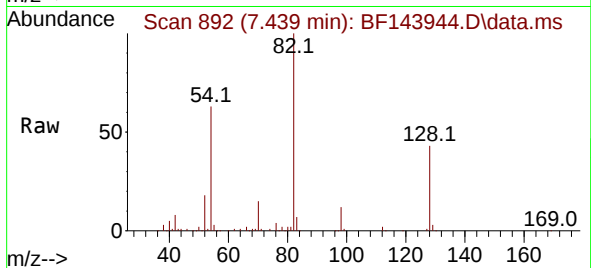
Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.0	51.0
54	63.3	53.2	79.8



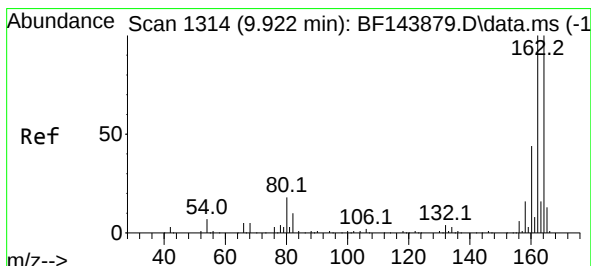
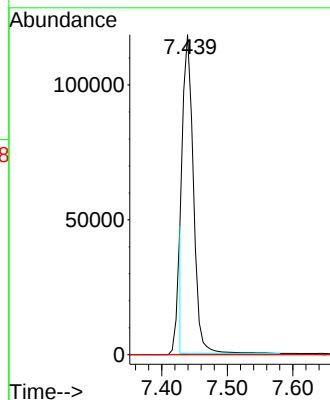
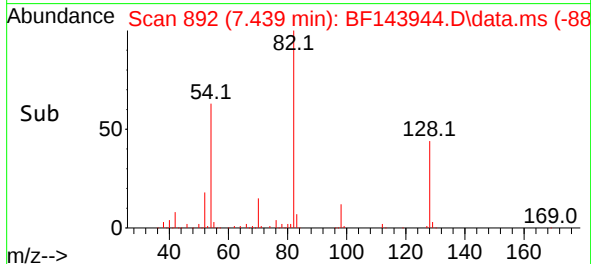


#25
Isophorone
Concen: 8.962 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

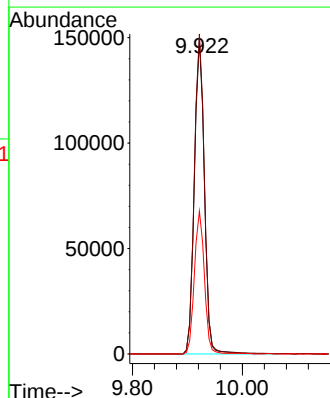
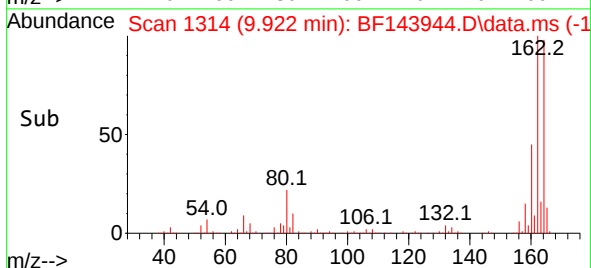
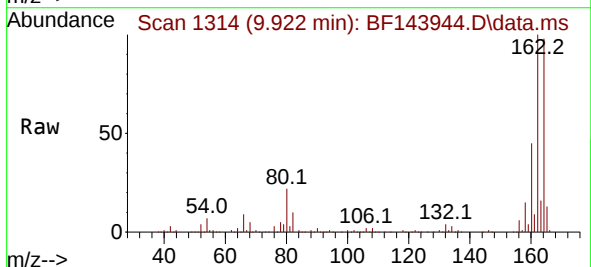


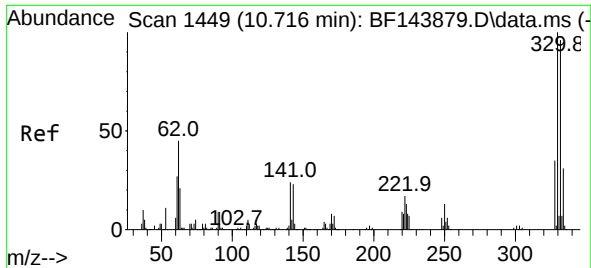
Tgt Ion: 82 Resp: 129346
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion: 164 Resp: 189375
Ion Ratio Lower Upper
164 100
162 102.0 80.2 120.2
160 45.5 35.4 53.0

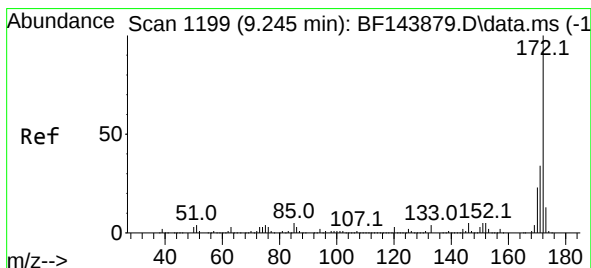
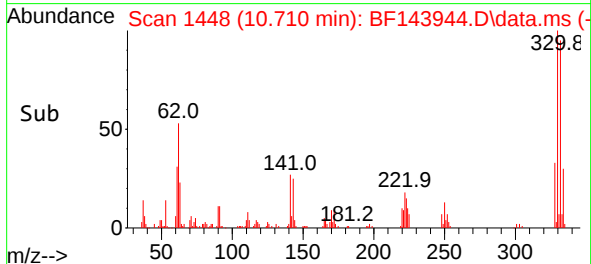
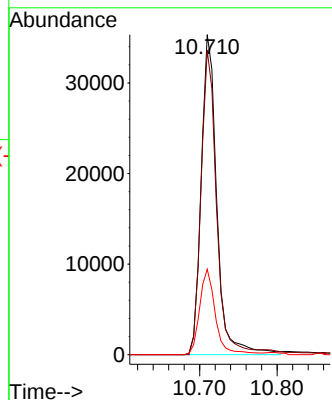
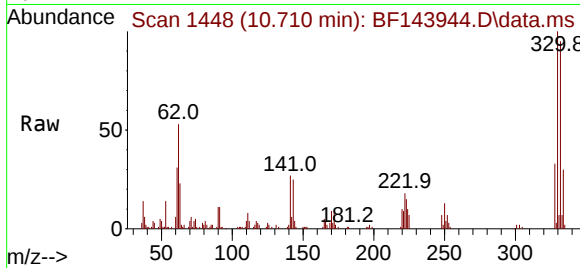




#42
2,4,6-Tribromophenol
Concen: 26.265 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

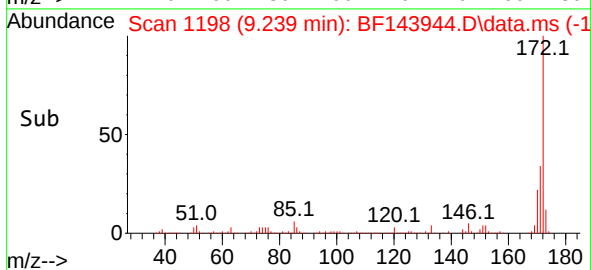
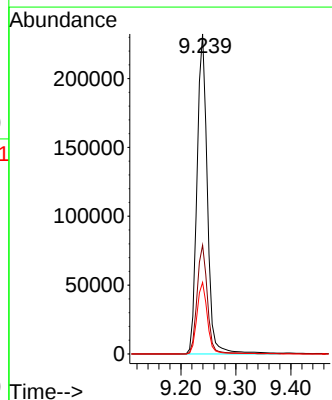
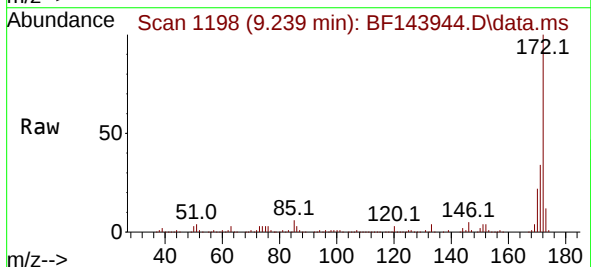
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

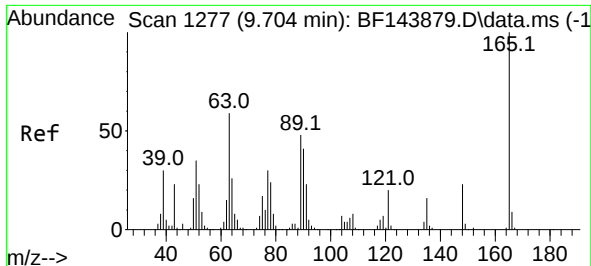
Tgt Ion: 330 Resp: 49541
Ion Ratio Lower Upper
330 100
332 93.2 76.9 115.3
141 27.0 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 25.503 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion: 172 Resp: 304378
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 22.4 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.567 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF143944.D

Acq: 13 Oct 2025 20:54

Instrument :

BNA_F

ClientSampleId :

HADLEY-ROAD-TP

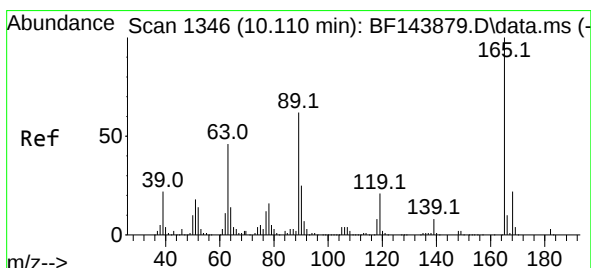
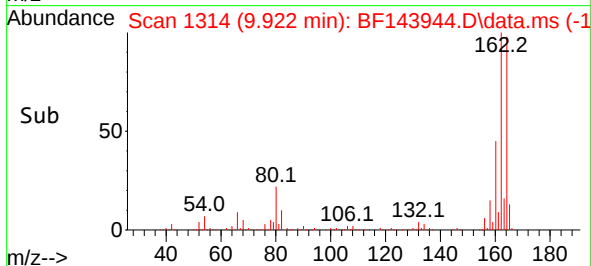
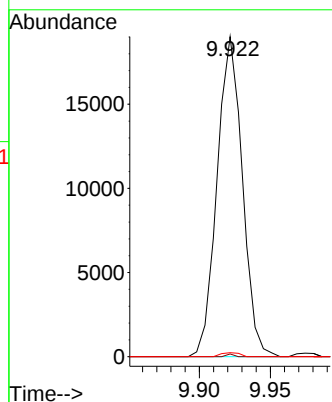
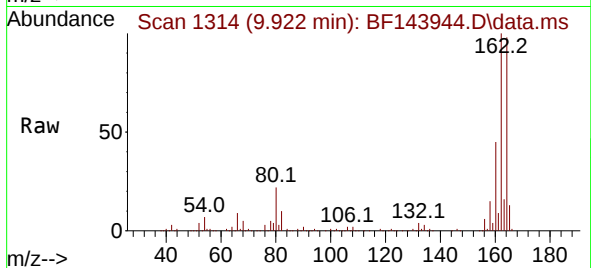
Tgt Ion:165 Resp: 23564

Ion Ratio Lower Upper

165 100

63 0.9 47.3 70.9#

89 1.2 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 7.766 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF143944.D

Acq: 13 Oct 2025 20:54

Tgt Ion:165 Resp: 23564

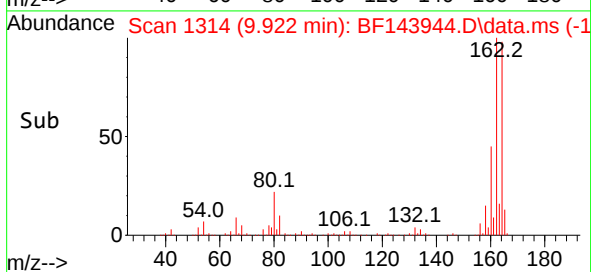
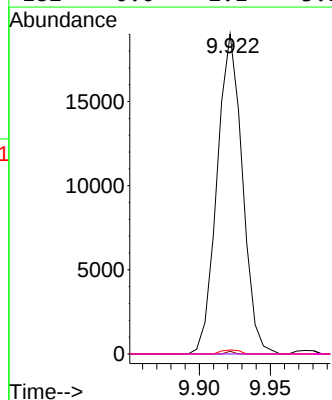
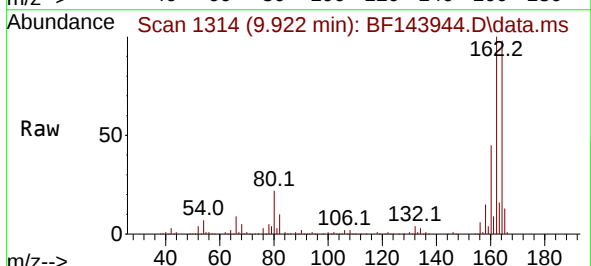
Ion Ratio Lower Upper

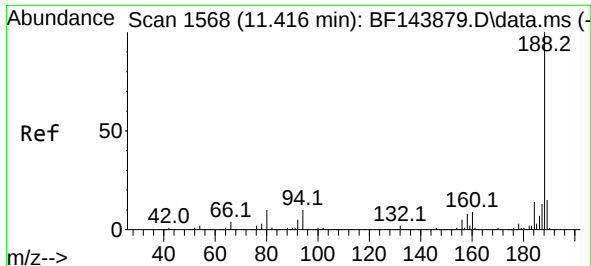
165 100

63 0.9 37.2 55.8#

89 1.2 49.4 74.2#

182 0.0 2.1 3.1#

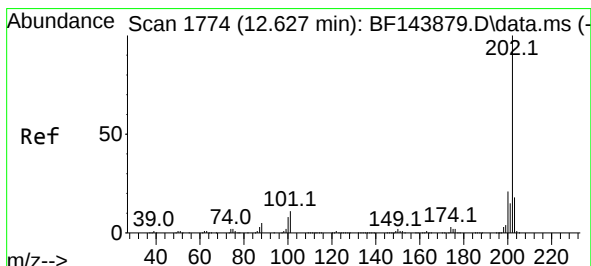
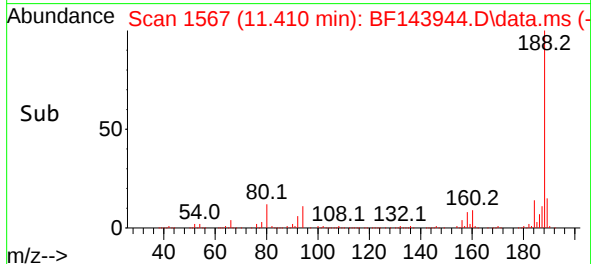
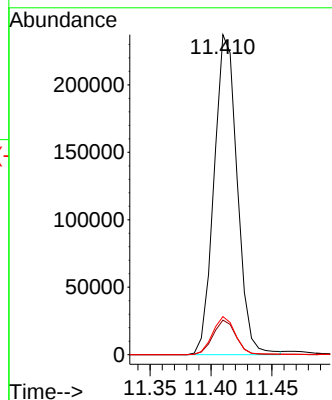
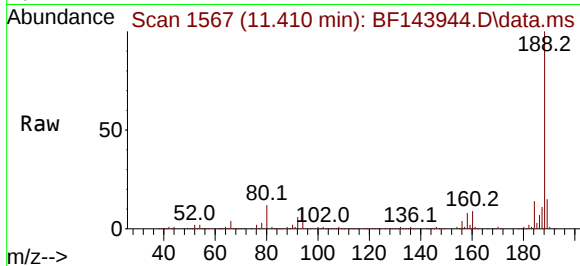




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

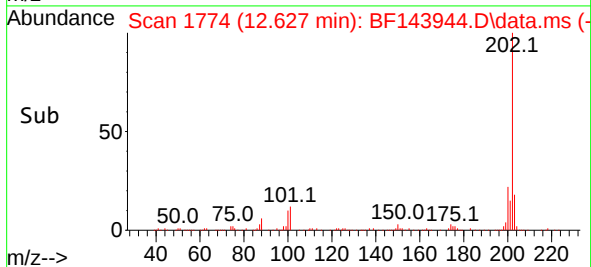
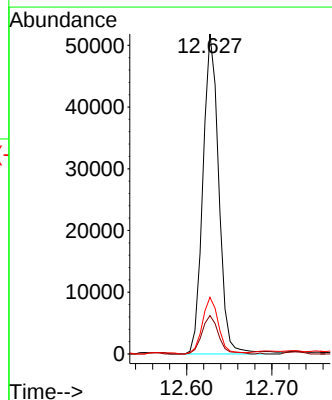
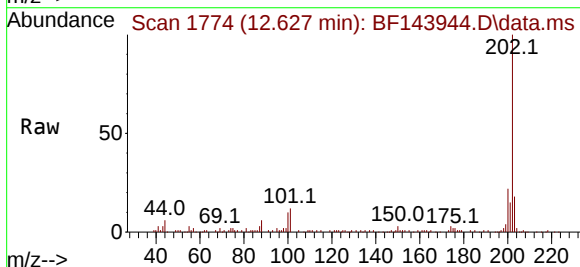
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

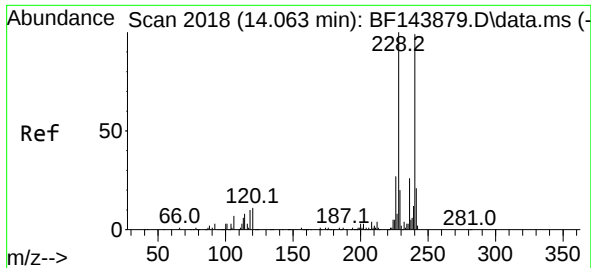
Tgt Ion:188 Resp: 313795
Ion Ratio Lower Upper
188 100
94 10.8 7.8 11.6
80 11.9 7.9 11.9#



#75
Fluoranthene
Concen: 4.281 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:202 Resp: 67271
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.7
203 17.7 0.0 37.8

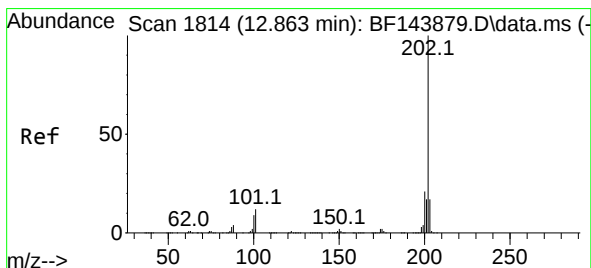
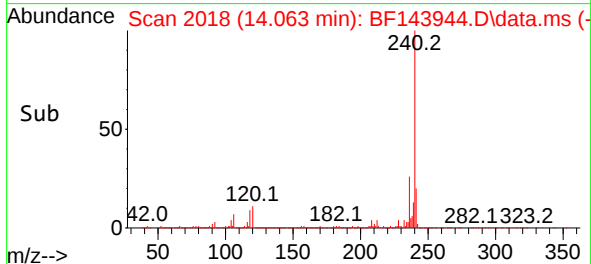
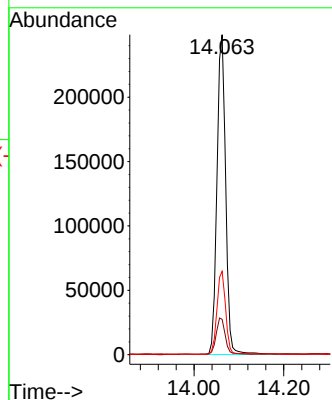
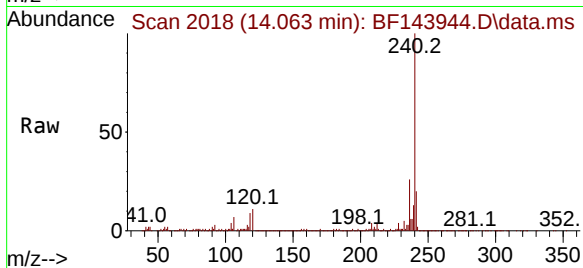




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.005 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

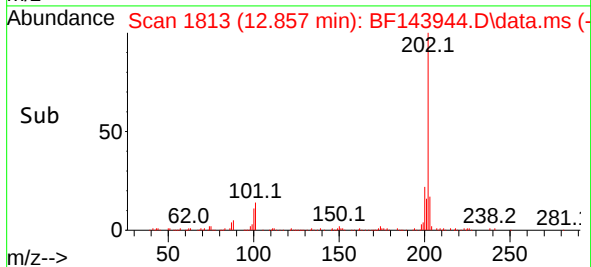
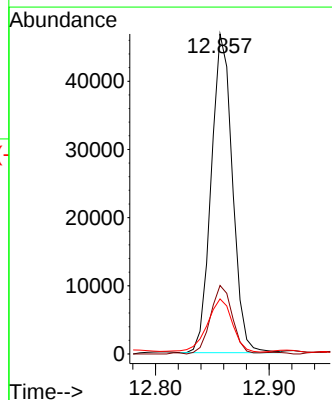
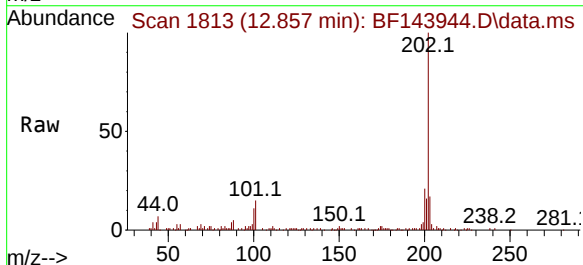
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

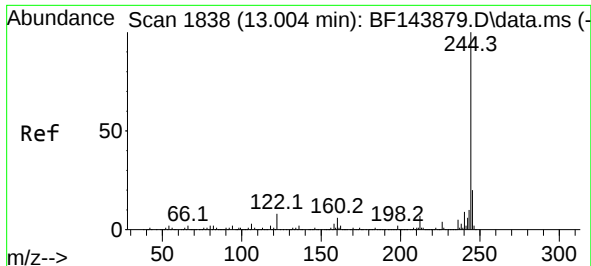
Tgt Ion:240 Resp: 334489
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 26.1 21.1 31.7



#78
Pyrene
Concen: 2.178 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:202 Resp: 60736
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.2 13.8 20.6

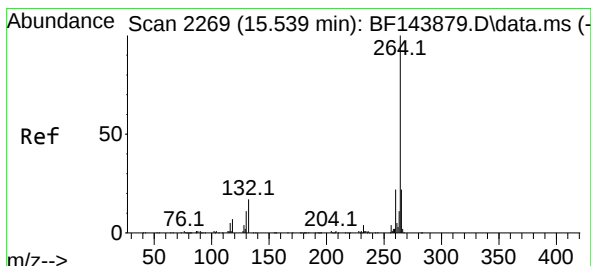
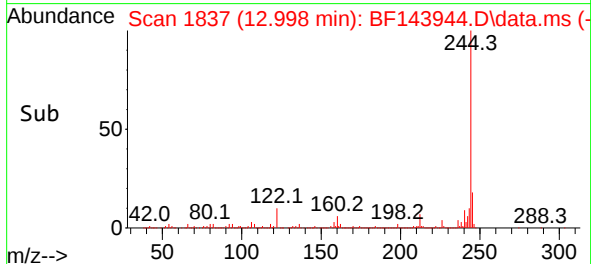
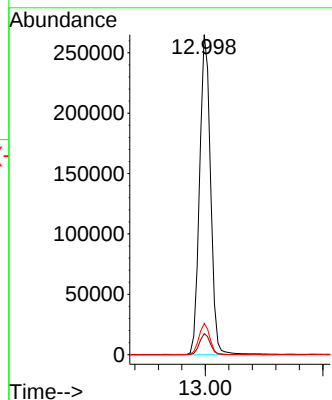
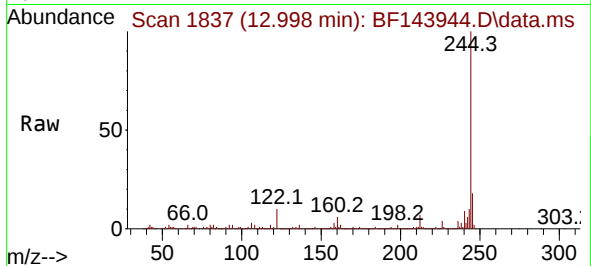




#79
 Terphenyl-d14
 Concen: 17.547 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143944.D
 Acq: 13 Oct 2025 20:54

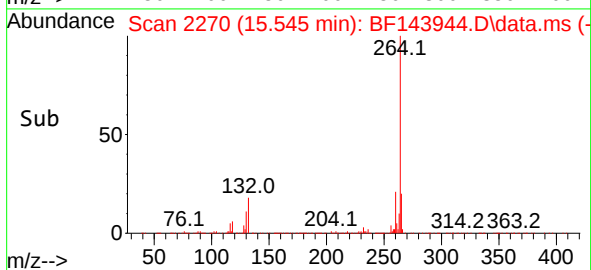
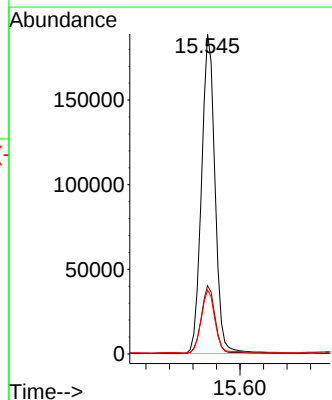
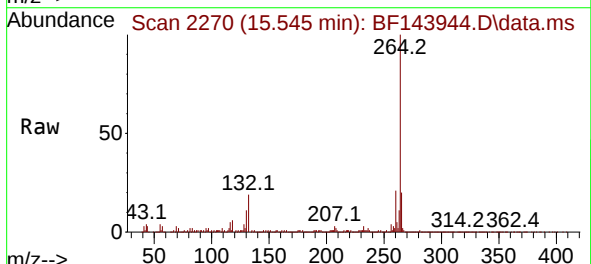
Instrument :
 BNA_F
 ClientSampleId :
 HADLEY-ROAD-TP

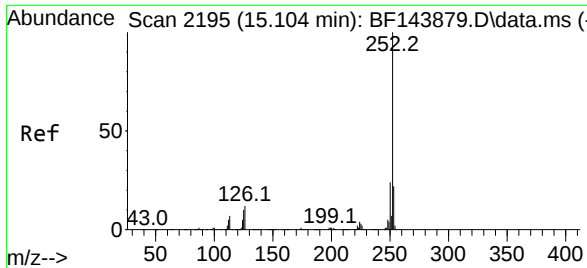
Tgt Ion:244 Resp: 343419
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.7 6.4 9.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF143944.D
 Acq: 13 Oct 2025 20:54

Tgt Ion:264 Resp: 301190
 Ion Ratio Lower Upper
 264 100
 260 21.4 17.8 26.8
 265 20.0 17.5 26.3

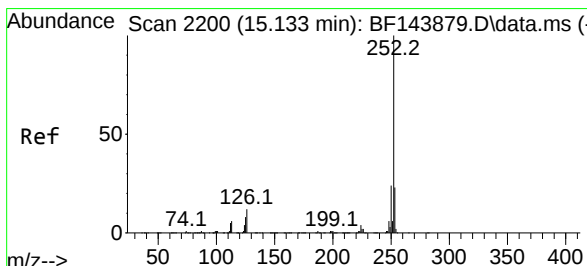
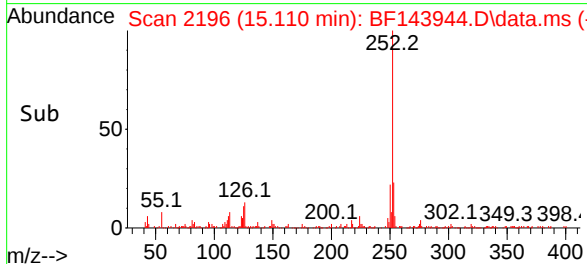
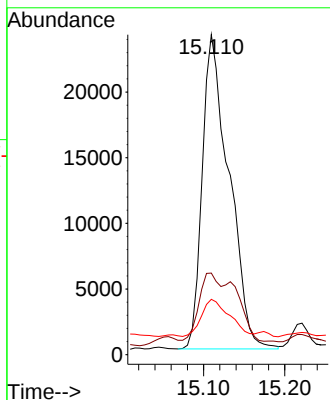
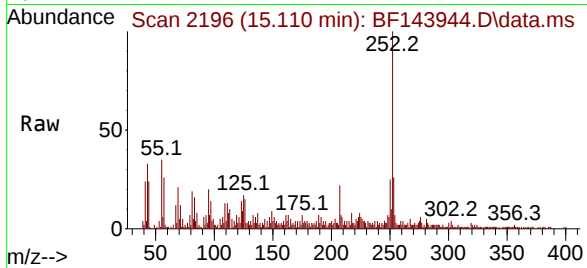




#88
Benzo(b)fluoranthene
Concen: 3.165 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

Tgt Ion:252 Resp: 54761
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.2
125 17.3 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 3.421 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:252 Resp: 54761
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 17.3 7.4 11.2#

