

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144041.D
 Acq On : 22 Oct 2025 14:51
 Operator : RC/JU
 Sample : Q3376-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S12-020047-20251016

Quant Time: Oct 22 15:37:59 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)

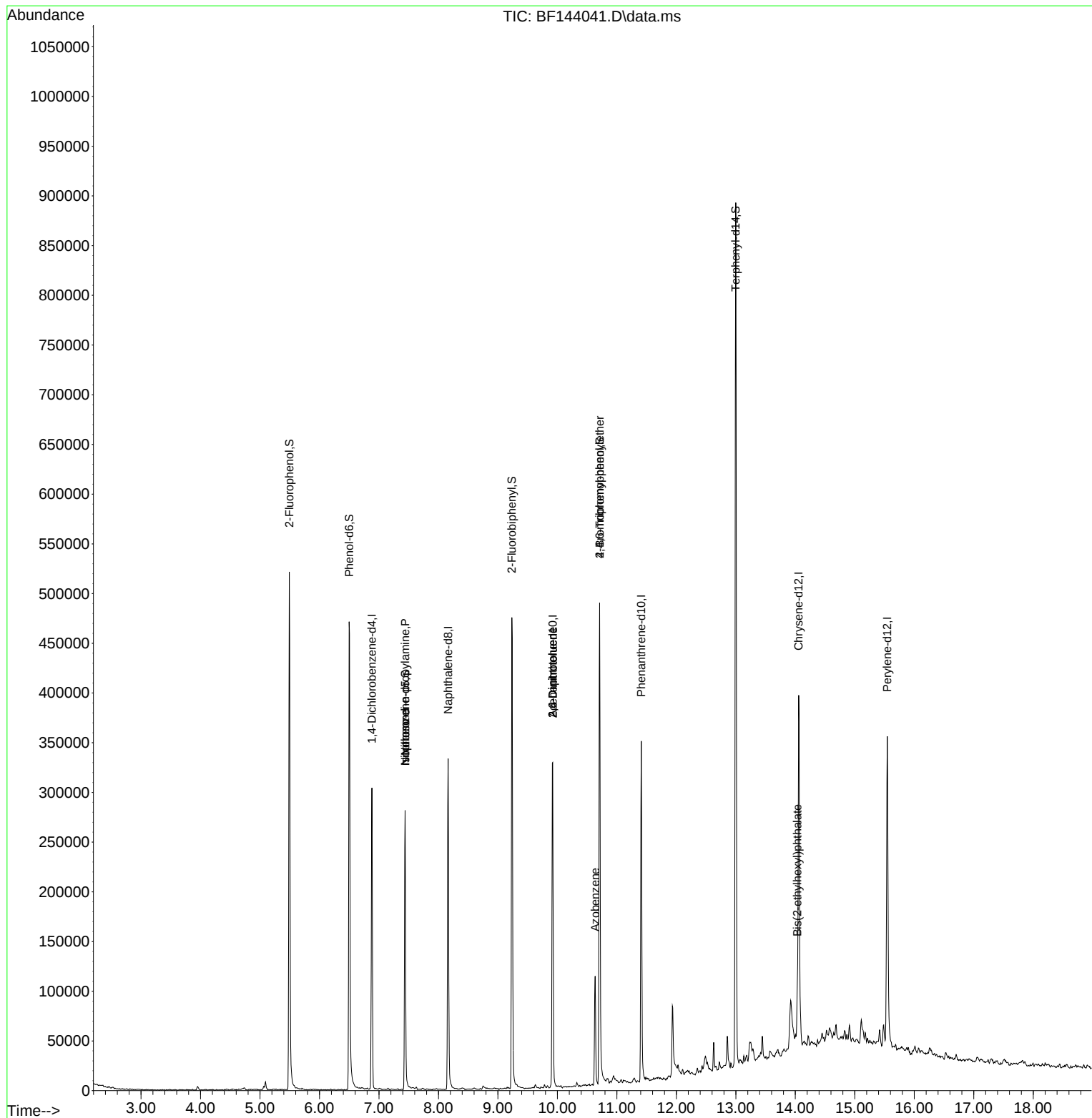
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62942	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	225275	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	110393	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	184622	20.000	ng	0.00
76) Chrysene-d12	14.057	240	182719	20.000	ng	-0.01
86) Perylene-d12	15.545	264	216110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	214552	54.130	ng	0.00
7) Phenol-d6	6.499	99	231480	48.996	ng	-0.02
23) Nitrobenzene-d5	7.440	82	123853	33.402	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	98142	89.258	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	244739	35.178	ng	-0.02
79) Terphenyl-d14	12.998	244	446635	41.776	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	17494	5.410	ng	# 74
25) Isophorone	7.440	82	101845	13.026	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	13744	10.573	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	13744	7.770	ng	# 26
63) Azobenzene	10.634	77	27622	4.058	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6117	2.998	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.033	149	23071	3.869	ng	98

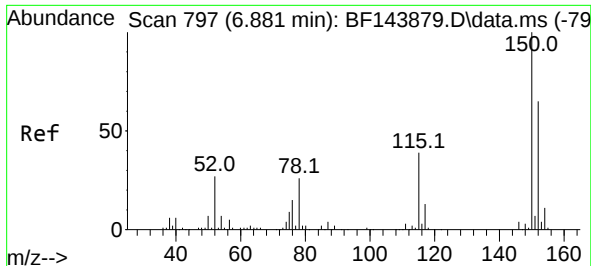
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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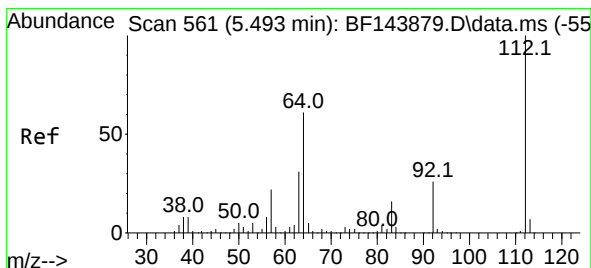
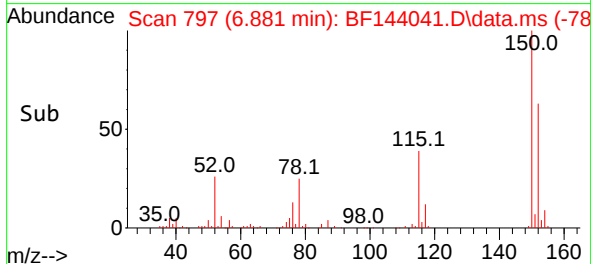
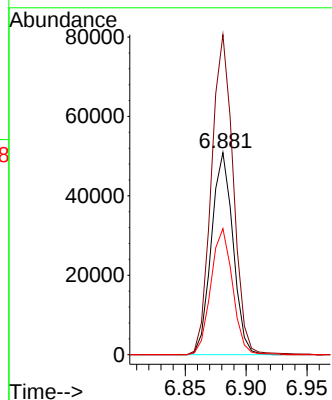
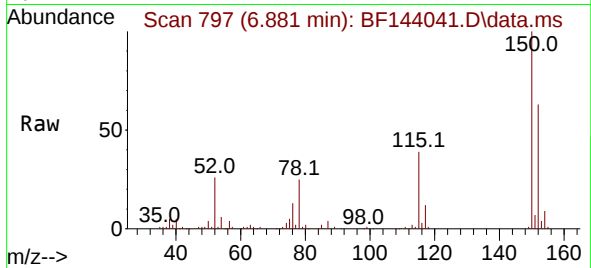




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

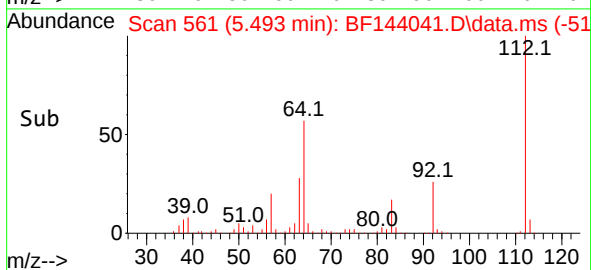
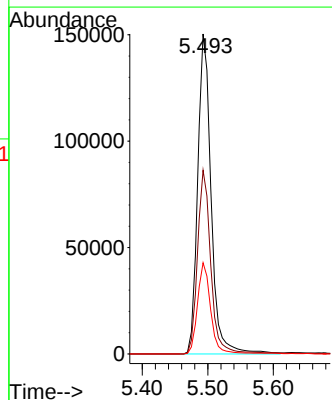
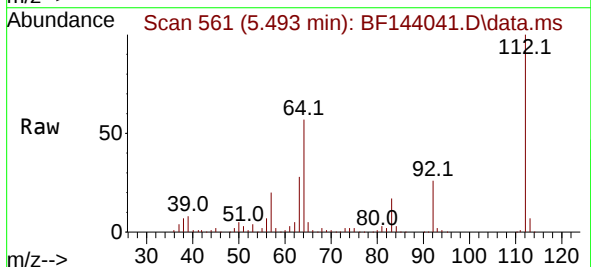
Instrument :
BNA_F
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:152 Resp: 62942
Ion Ratio Lower Upper
152 100
150 158.3 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 54.130 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

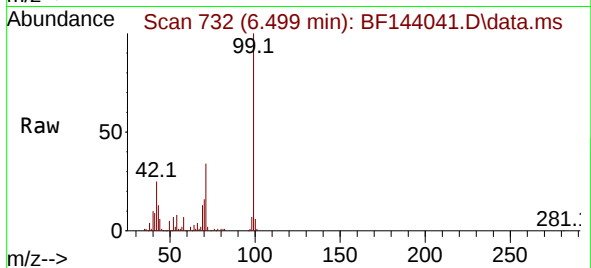
Tgt Ion:112 Resp: 214552
Ion Ratio Lower Upper
112 100
64 57.4 49.1 73.7
63 28.5 24.5 36.7



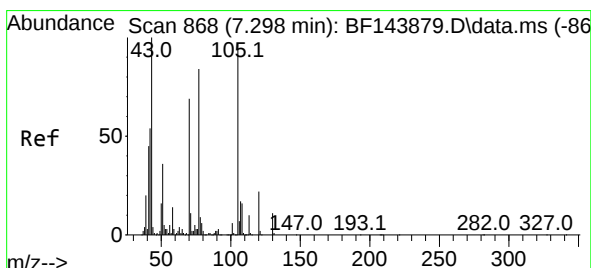
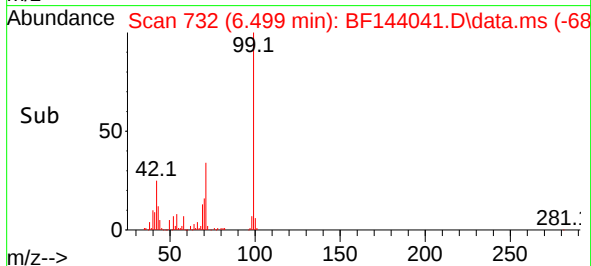
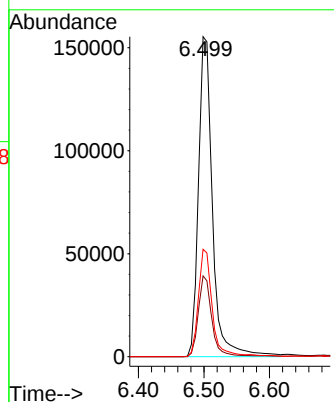


#7
Phenol-d6
Concen: 48.996 ng
RT: 6.499 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Instrument :
BNA_F
ClientSampleId :
PR132-S12-020047-20251016

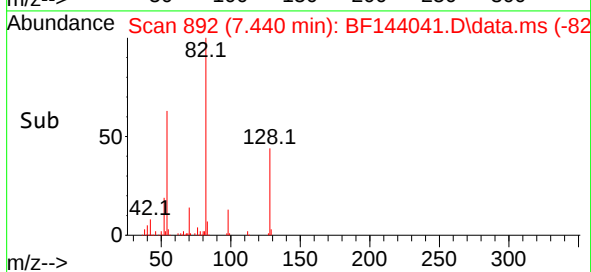
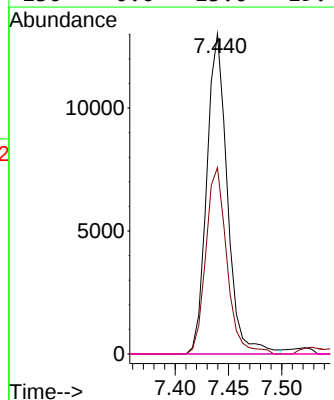
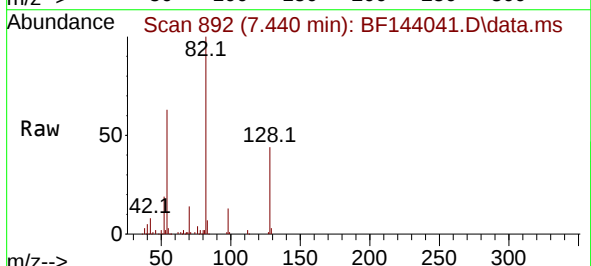


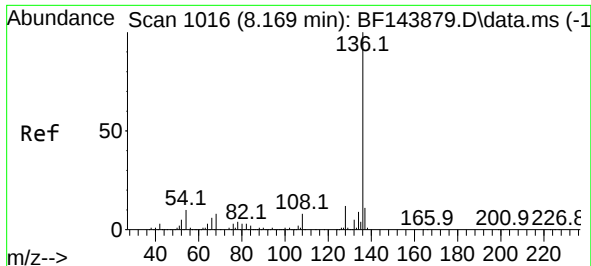
Tgt Ion:	99	Resp:	231480
Ion	Ratio	Lower	Upper
99	100		
42	25.3	21.0	31.4
71	33.6	27.8	41.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.410 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Tgt Ion:	70	Resp:	17494
Ion	Ratio	Lower	Upper
70	100		
42	58.3	62.8	94.2#
101	0.0	6.7	10.1#
130	0.0	13.0	19.4#

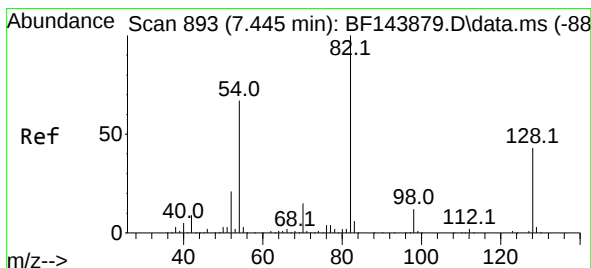
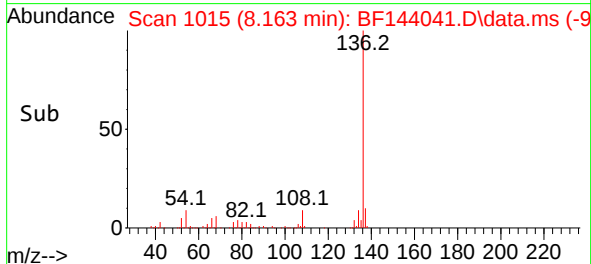
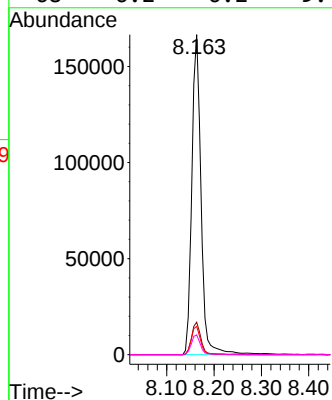
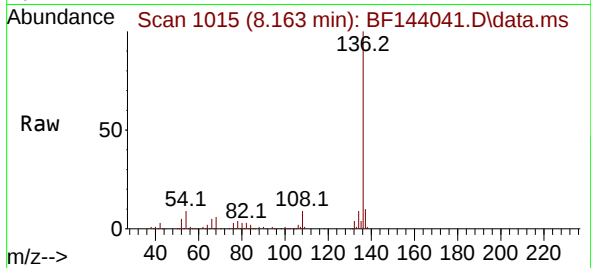




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

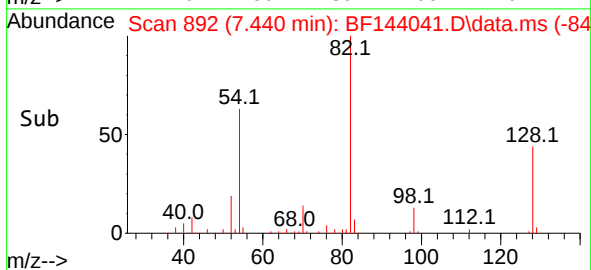
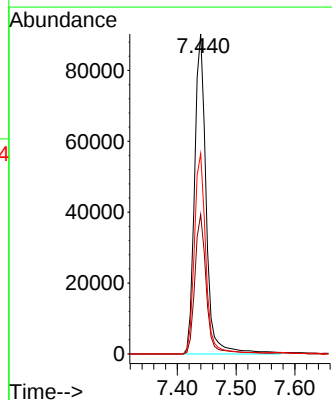
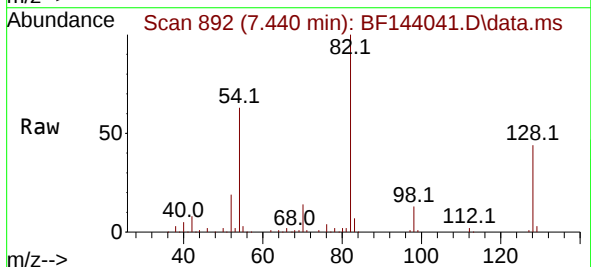
Instrument :
BNA_F
ClientSampleId :
PR132-S12-020047-20251016

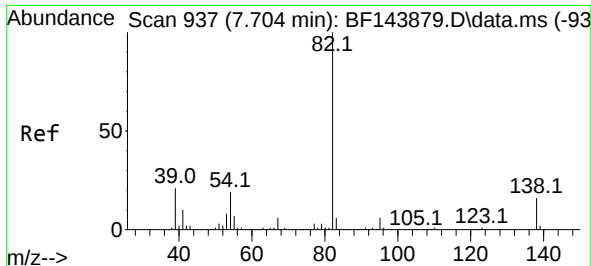
Tgt Ion:136	Resp: 225275
Ion Ratio	Lower Upper
136	100
137	10.2 8.5 12.7
54	8.8 8.2 12.4
68	6.2 6.2 9.4



#23
Nitrobenzene-d5
Concen: 33.402 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Tgt Ion: 82	Resp: 123853
Ion Ratio	Lower Upper
82	100
128	43.6 34.0 51.0
54	62.6 53.2 79.8

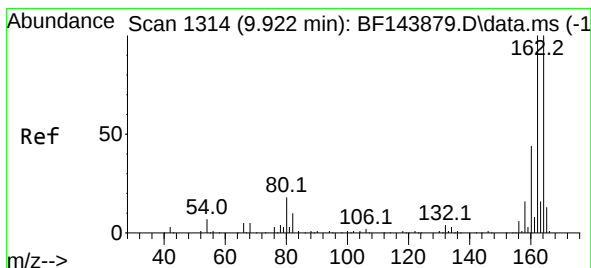
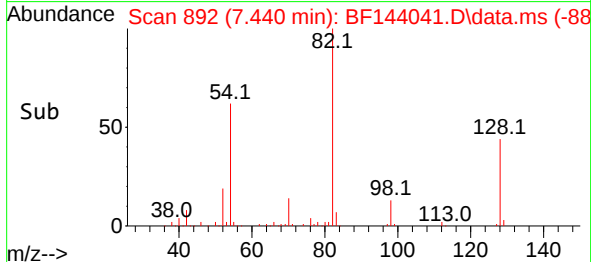
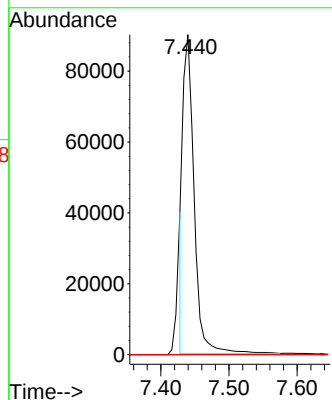
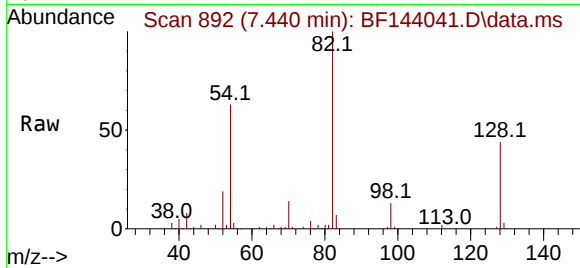




#25
Isophorone
Concen: 13.026 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

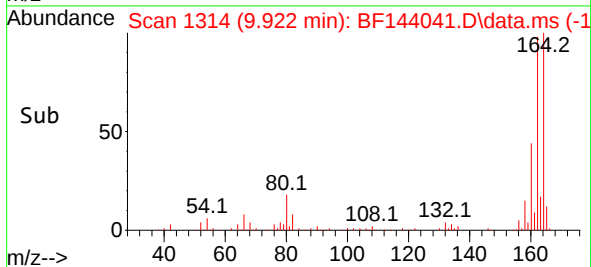
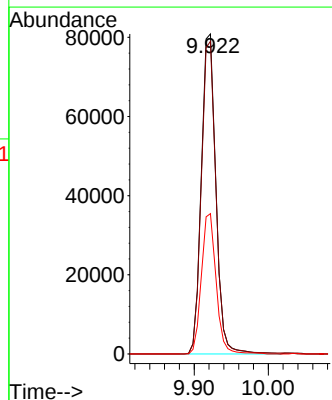
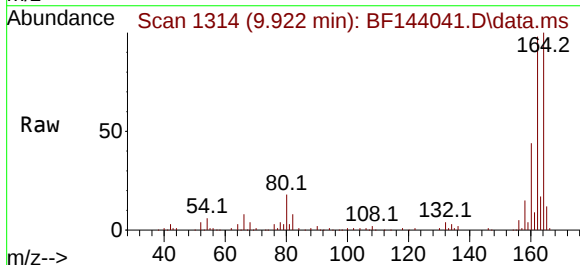
Instrument :
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ClientSampleId :
PR132-S12-020047-20251016

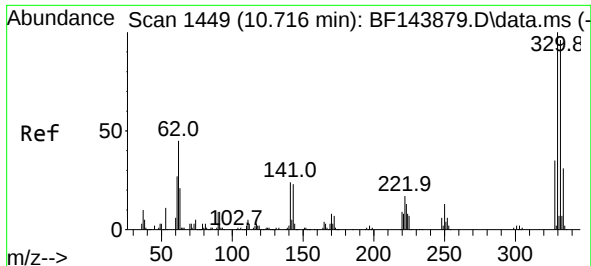
Tgt Ion: 82 Resp: 101845
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Tgt Ion:164 Resp: 110393
Ion Ratio Lower Upper
164 100
162 97.7 80.2 120.2
160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 89.258 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.011 min

Lab File: BF144041.D

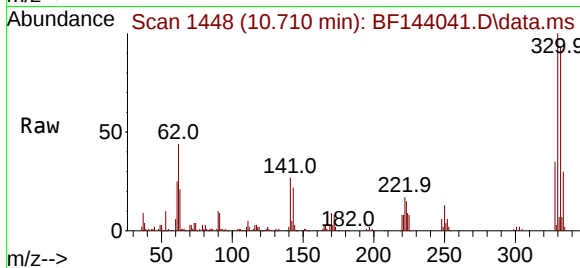
Acq: 22 Oct 2025 14:51

Instrument :

BNA_F

ClientSampleId :

PR132-S12-020047-20251016



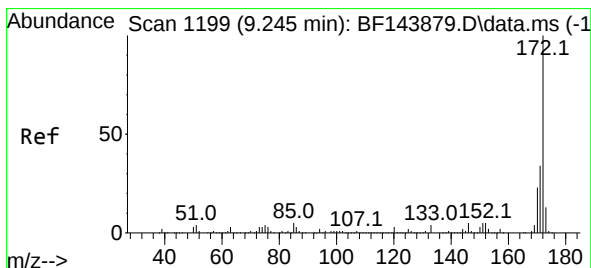
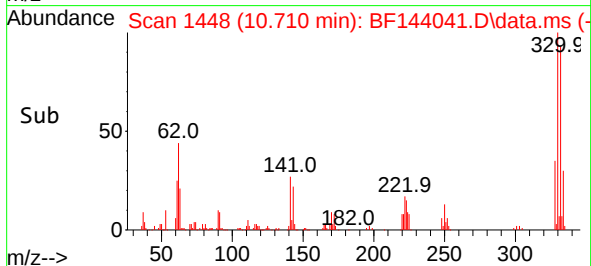
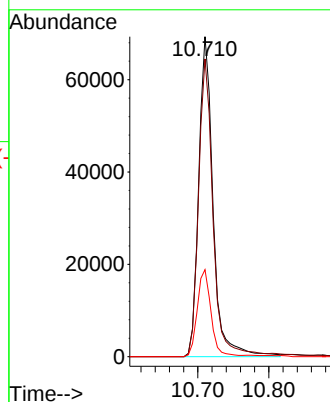
Tgt Ion:330 Resp: 98142

Ion Ratio Lower Upper

330 100

332 93.0 76.9 115.3

141 25.9 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 35.178 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF144041.D

Acq: 22 Oct 2025 14:51

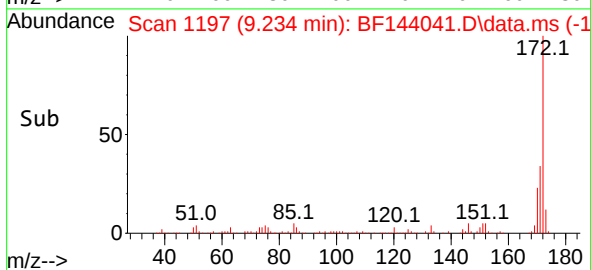
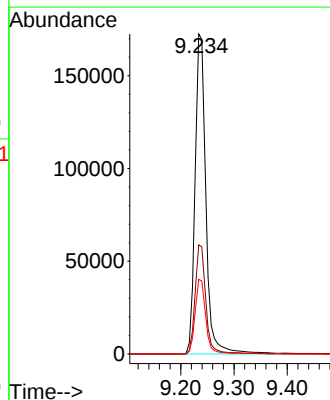
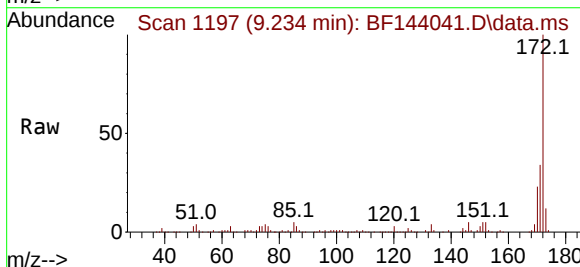
Tgt Ion:172 Resp: 244739

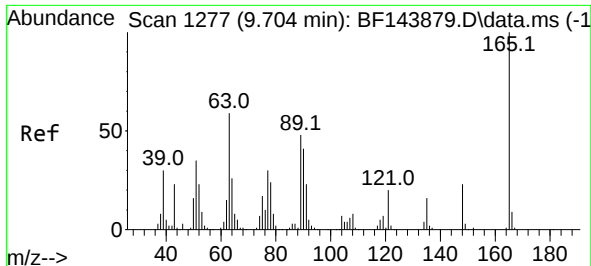
Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

170 23.3 18.6 28.0

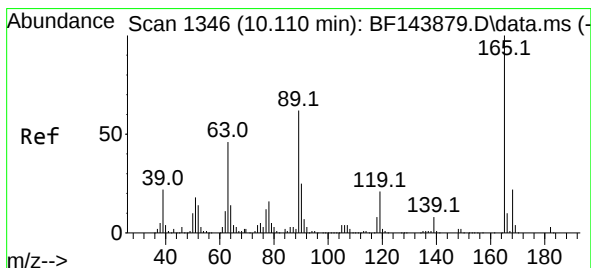
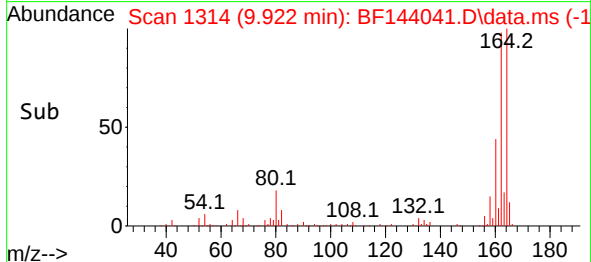
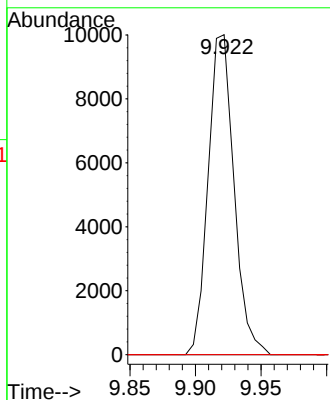
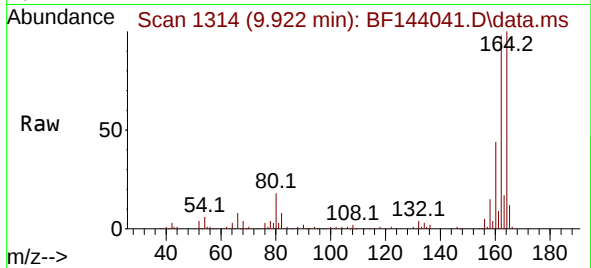




#51
2,6-Dinitrotoluene
Concen: 10.573 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

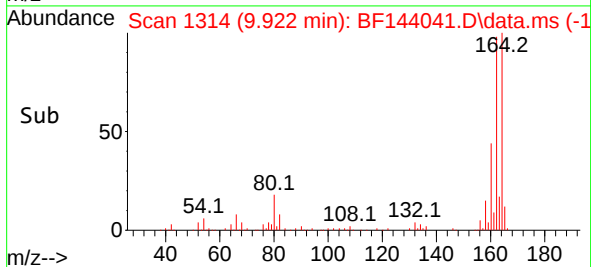
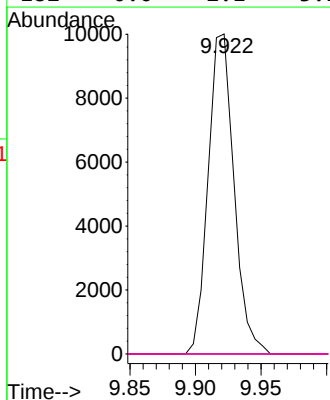
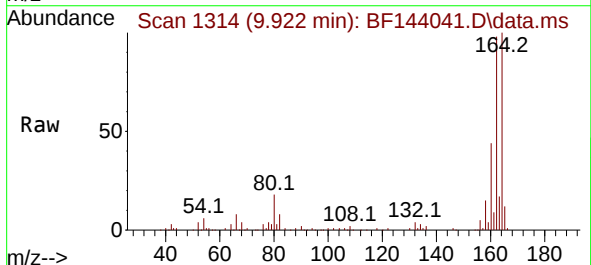
Instrument :
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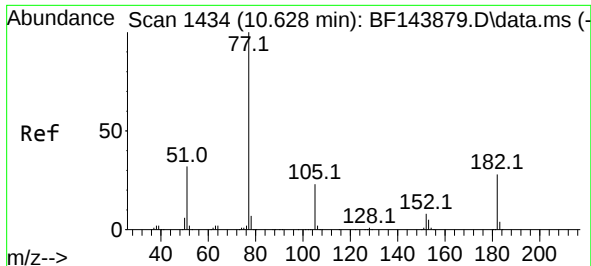
Tgt Ion:165 Resp: 13744
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.770 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Tgt Ion:165 Resp: 13744
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

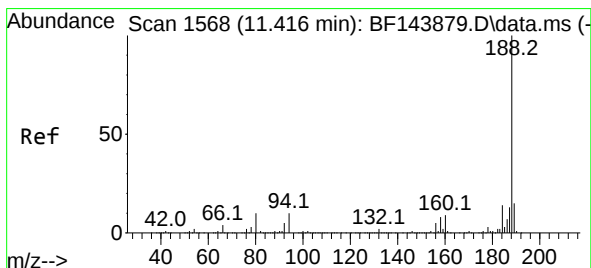
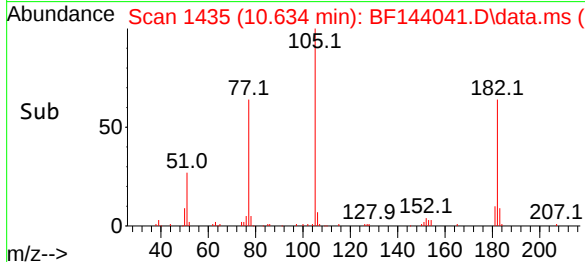
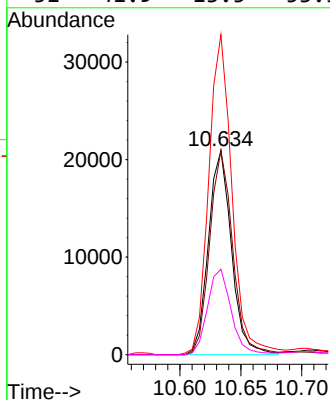
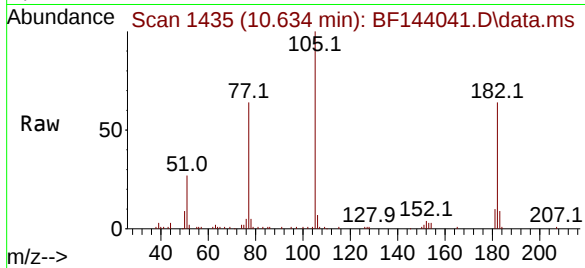




#63
 Azobenzene
 Concen: 4.058 ng
 RT: 10.634 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF144041.D
 Acq: 22 Oct 2025 14:51

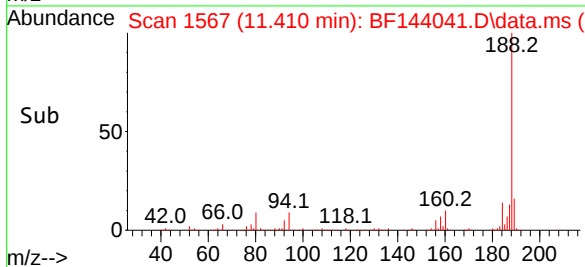
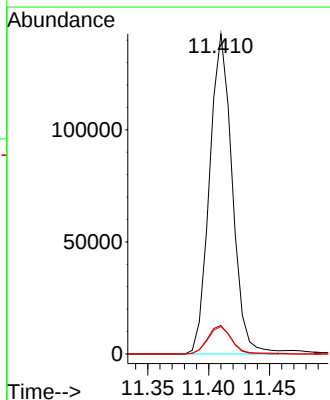
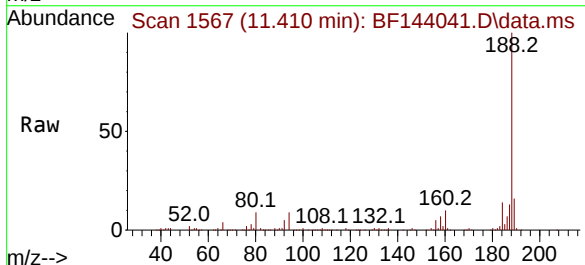
Instrument :
 BNA_F
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 PR132-S12-020047-20251016

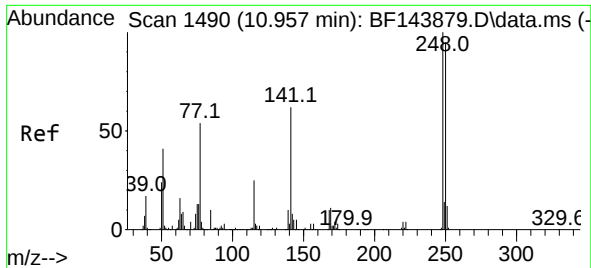
Tgt Ion: 77	Resp: 27622
Ion Ratio	Lower Upper
77	100
182	100.0 7.3 47.3#
105	156.8 3.0 43.0#
51	41.9 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF144041.D
 Acq: 22 Oct 2025 14:51

Tgt Ion: 188	Resp: 184622
Ion Ratio	Lower Upper
188	100
94	8.9 7.8 11.6
80	8.6 7.9 11.9

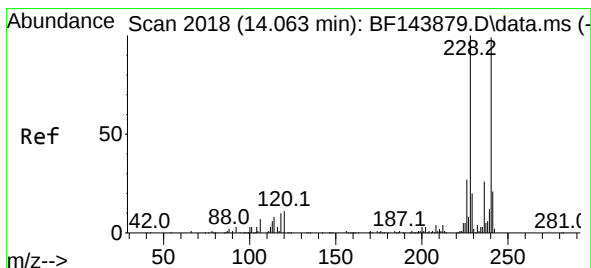
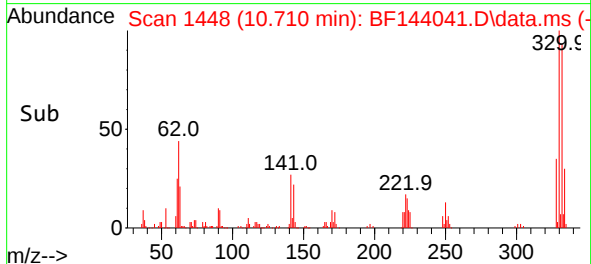
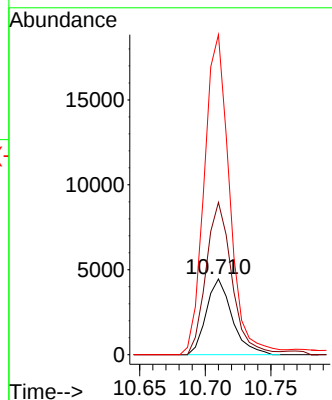
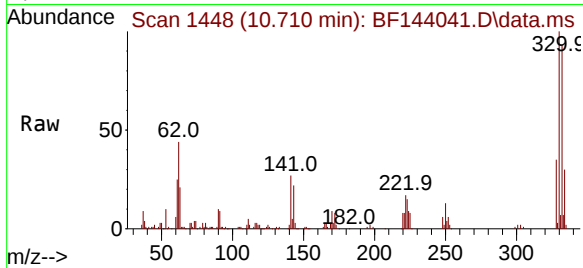




#67
4-Bromophenyl-phenylether
Concen: 2.998 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

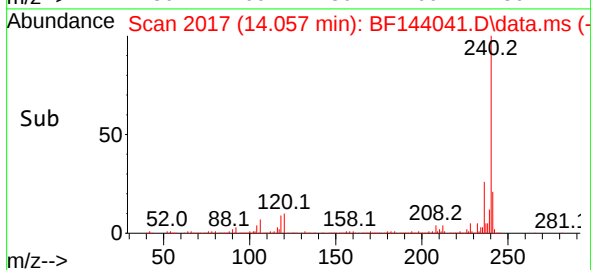
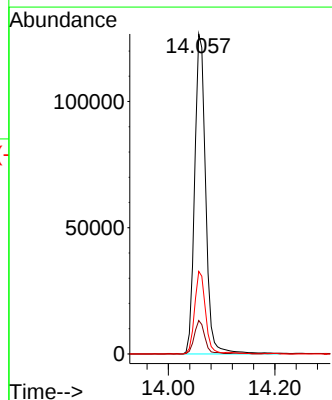
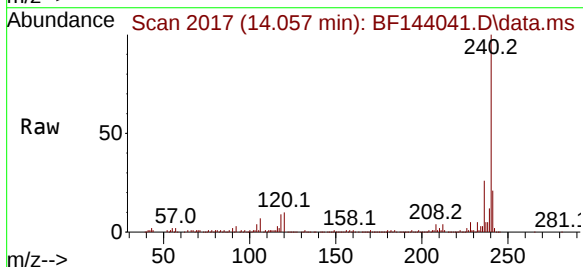
Instrument :
BNA_F
ClientSampleId :
PR132-S12-020047-20251016

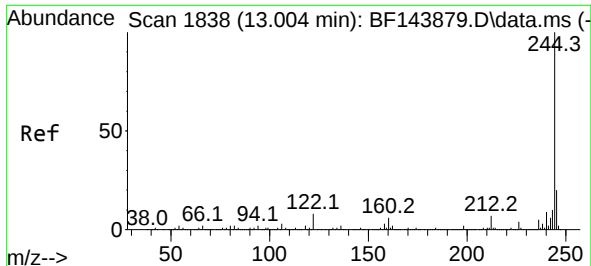
Tgt Ion:248 Resp: 6117
Ion Ratio Lower Upper
248 100
250 201.5 76.3 114.5#
141 423.2 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Tgt Ion:240 Resp: 182719
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 25.8 21.1 31.7

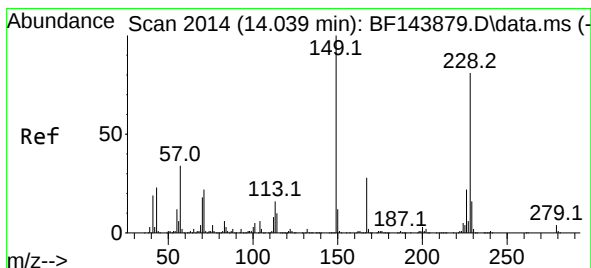
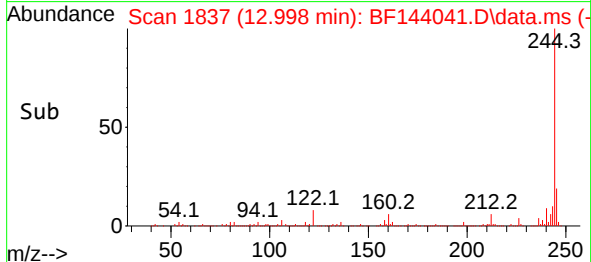
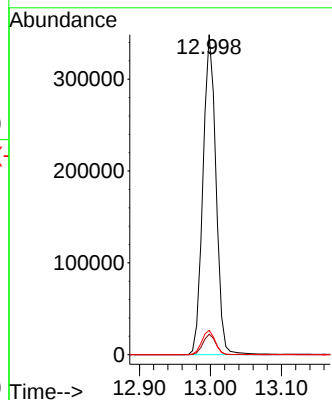
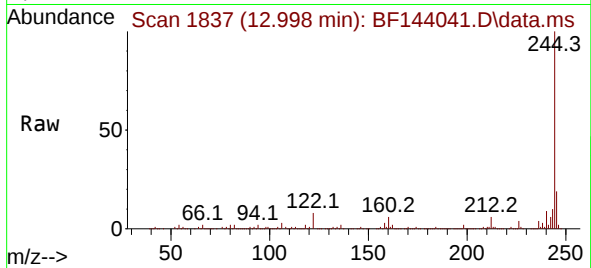




#79
Terphenyl-d14
Concen: 41.776 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

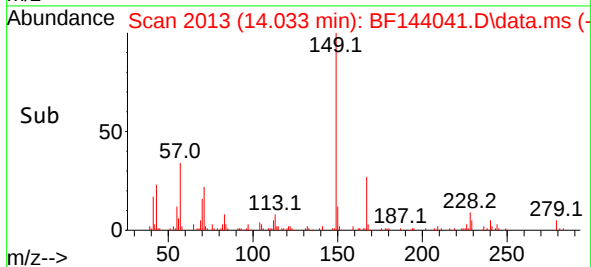
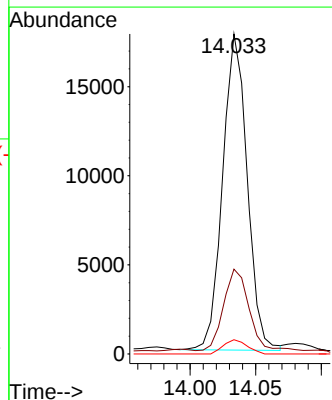
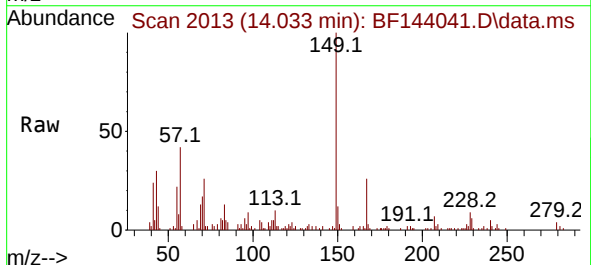
Instrument :
BNA_F
ClientSampleId :
PR132-S12-020047-20251016

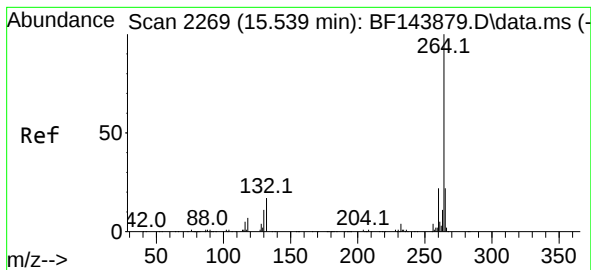
Tgt Ion:244 Resp: 446635
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 7.6 6.4 9.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.869 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF144041.D
Acq: 22 Oct 2025 14:51

Tgt Ion:149 Resp: 23071
Ion Ratio Lower Upper
149 100
167 26.5 22.2 33.4
279 4.4 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144041.D

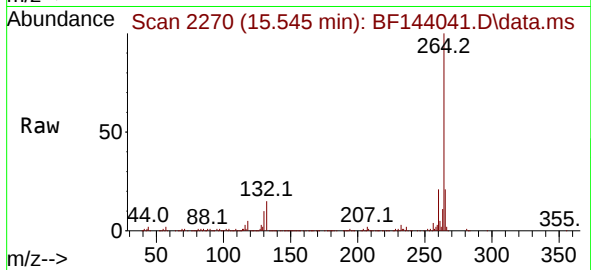
Acq: 22 Oct 2025 14:51

Instrument :

BNA_F

ClientSampleId :

PR132-S12-020047-20251016



Tgt Ion:264 Resp: 216110

Ion Ratio Lower Upper

264 100

260 21.2 17.8 26.8

265 21.1 17.5 26.3

