

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144331.D
 Acq On : 24 Nov 2025 18:47
 Operator : RC/JU
 Sample : Q3710-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200028-RT5376-COMP

Quant Time: Nov 25 00:28:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

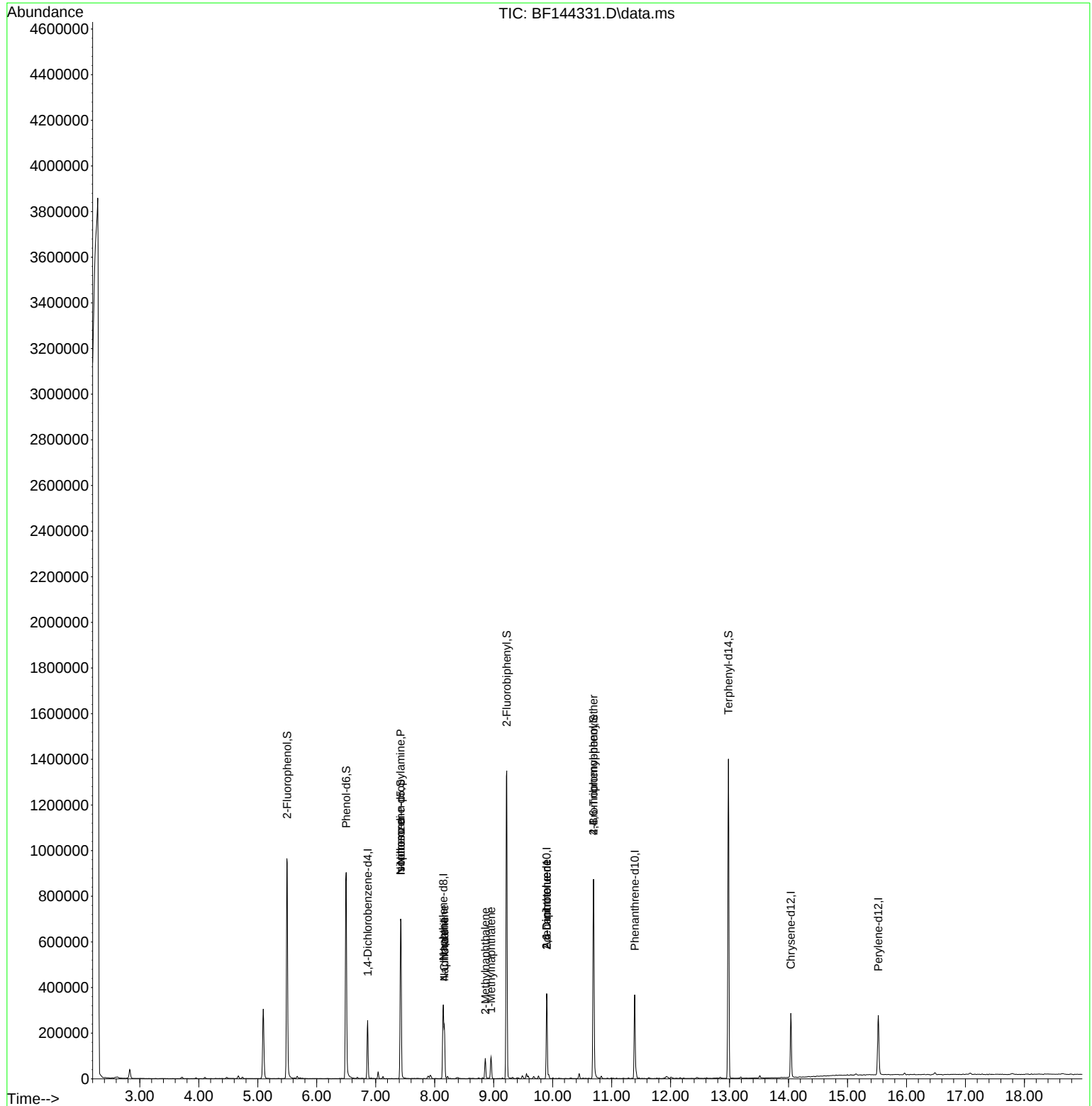
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	54246	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	206642	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	116491	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	201954	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	146534	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	173908	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	405299	116.920	ng	0.00
7) Phenol-d6	6.498	99	425271	108.272	ng	0.00
23) Nitrobenzene-d5	7.422	82	310351	86.741	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	189219	129.440	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	670360	84.992	ng	0.00
79) Terphenyl-d14	12.980	244	754231	81.757	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	44853	17.347	ng	# 80
25) Isophorone	7.422	82	310348	45.857	ng	# 66
31) Naphthalene	8.163	128	135133	13.747	ng	99
33) 4-Chloroaniline	8.163	127	17052	4.756	ng	# 33
37) 2-Methylnaphthalene	8.857	142	33676	5.124	ng	97
38) 1-Methylnaphthalene	8.957	142	35984	5.674	ng	99
51) 2,6-Dinitrotoluene	9.898	165	15139	9.691	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	15139	7.239	ng	# 27
67) 4-Bromophenyl-phenylether	10.692	248	10922	4.237	ng	# 1

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

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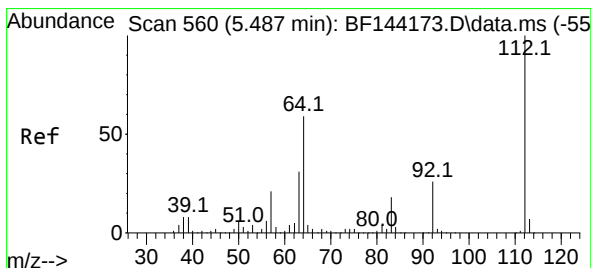
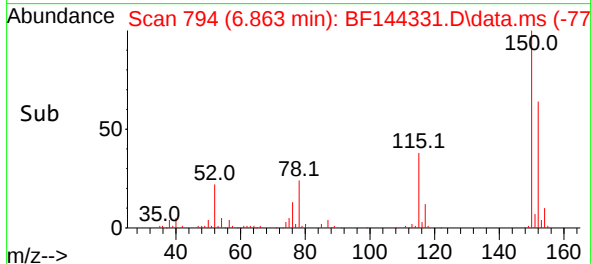
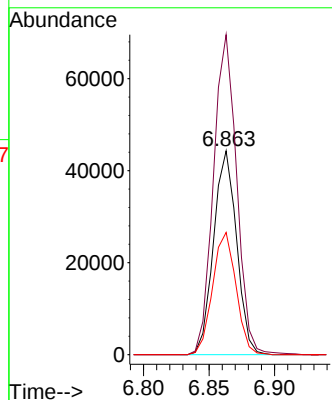
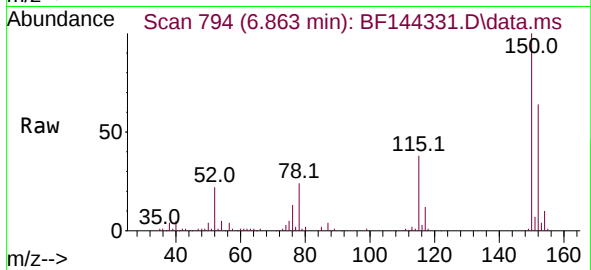




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

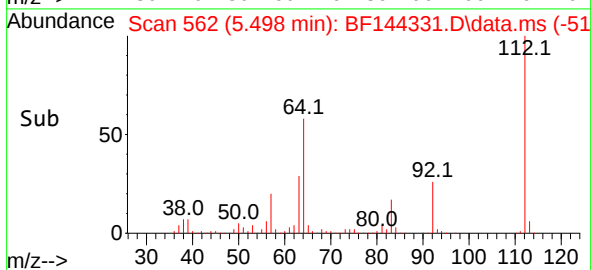
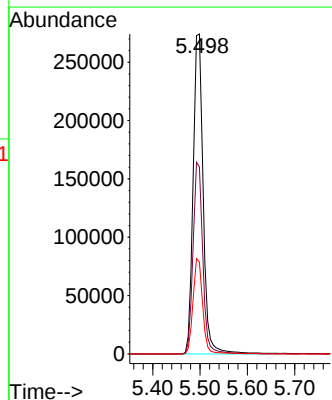
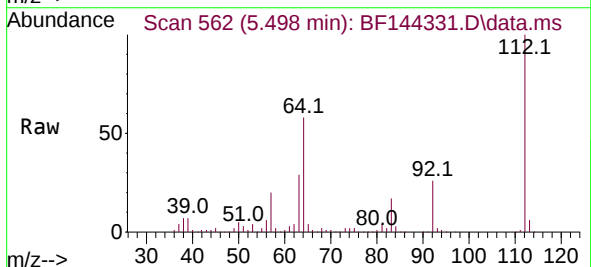
Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

Tgt Ion:152 Resp: 54246
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.0
115 60.0 49.5 74.3



#5
2-Fluorophenol
Concen: 116.920 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion:112 Resp: 405299
Ion Ratio Lower Upper
112 100
64 58.4 47.2 70.8
63 28.7 24.4 36.6

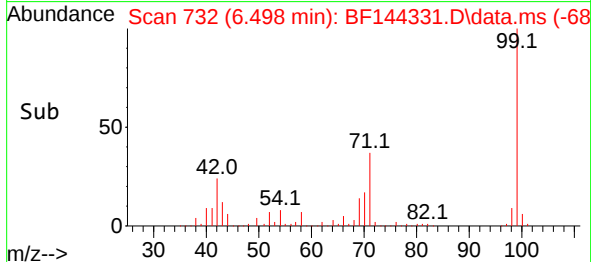
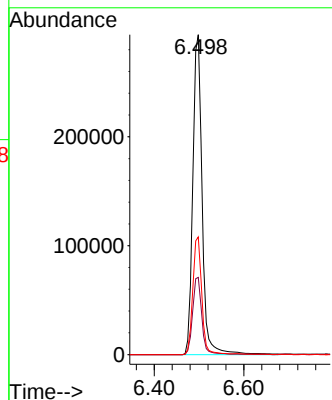
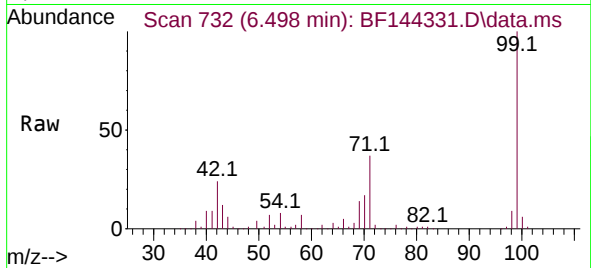




#7
Phenol-d6
Concen: 108.272 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

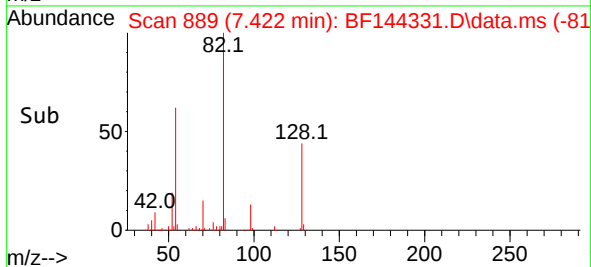
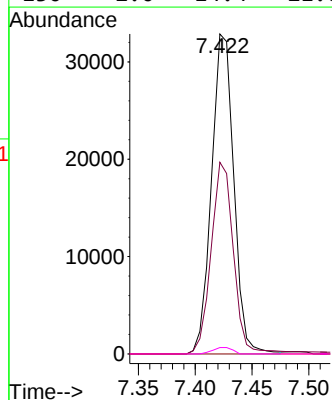
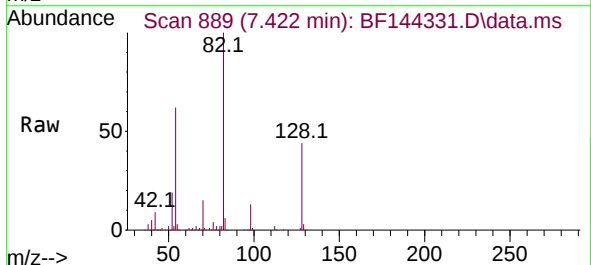
Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

Tgt Ion: 99 Resp: 425271
Ion Ratio Lower Upper
99 100
42 24.1 20.9 31.3
71 36.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.347 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion: 70 Resp: 44853
Ion Ratio Lower Upper
70 100
42 59.9 58.3 87.5
101 0.0 7.0 10.6#
130 2.0 14.4 21.6#

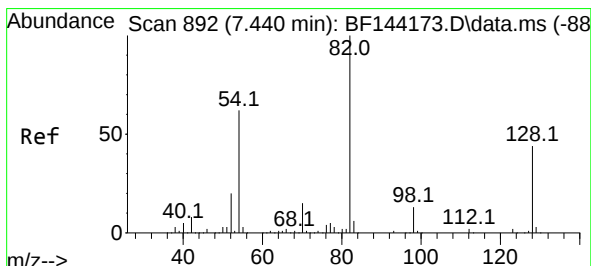
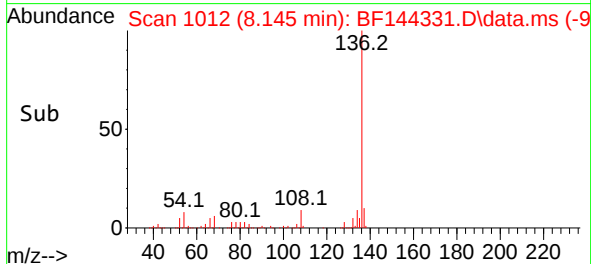
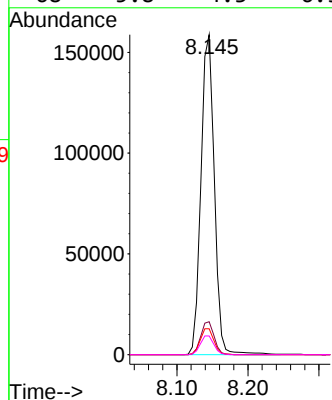
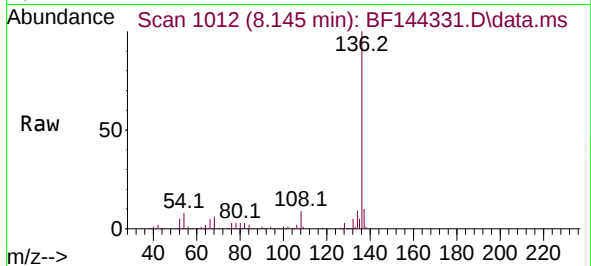




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

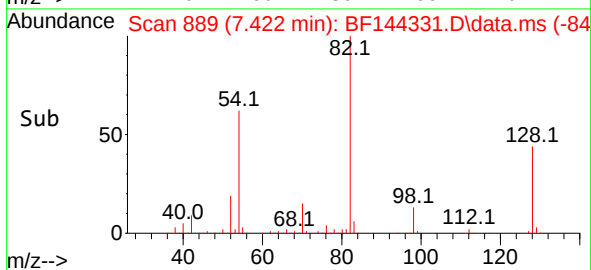
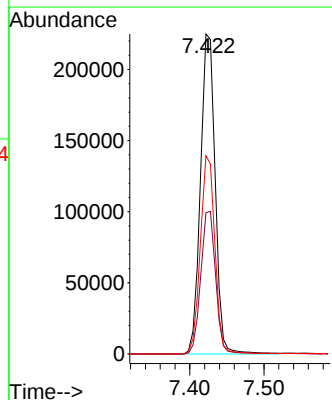
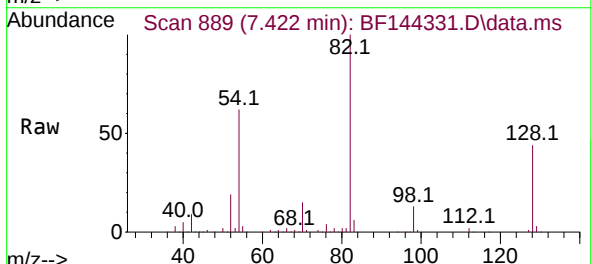
Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

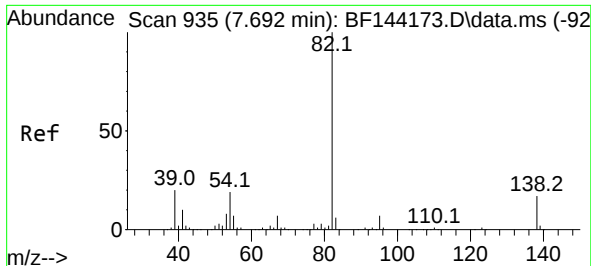
Tgt Ion:	136	Resp:	206642
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	8.1	7.0	10.6
68	5.8	4.3	6.5



#23
Nitrobenzene-d5
Concen: 86.741 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion:	82	Resp:	310351
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.7	52.1
54	61.9	49.5	74.3

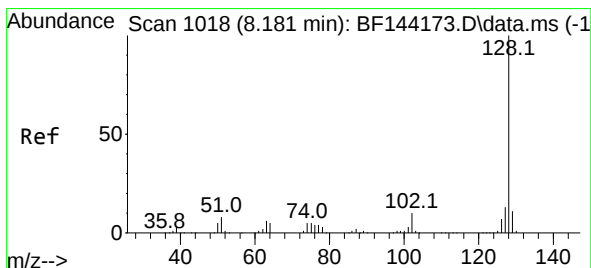
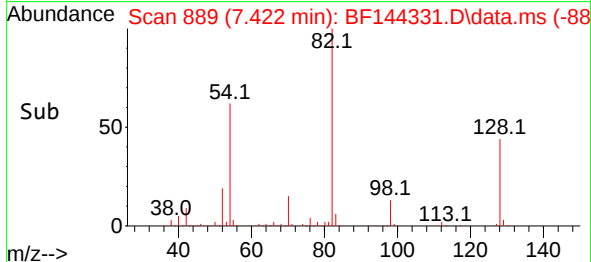
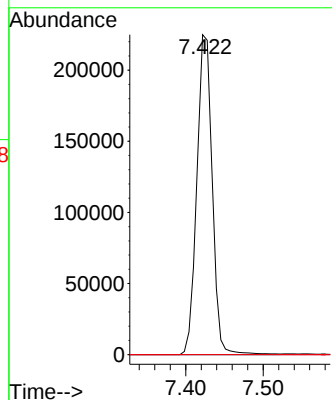
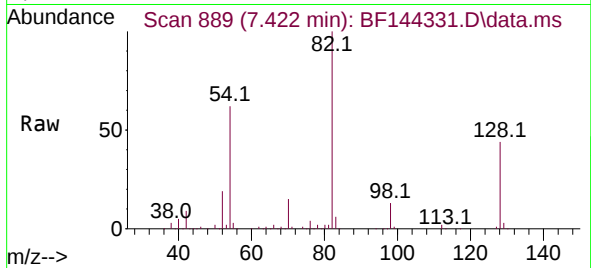




#25
Isophorone
Concen: 45.857 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

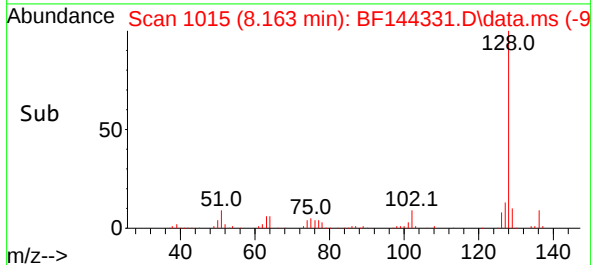
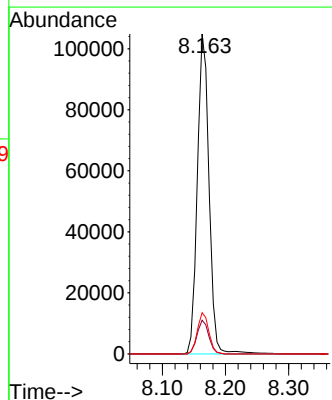
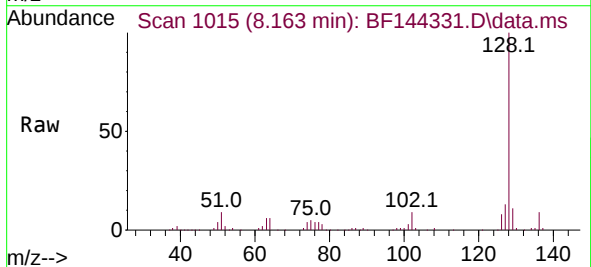
Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

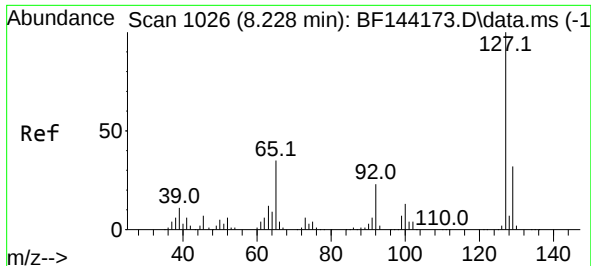
Tgt Ion: 82 Resp: 310348
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#31
Naphthalene
Concen: 13.747 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion: 128 Resp: 135133
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 12.9 10.3 15.5





#33

4-Chloroaniline

Concen: 4.756 ng

RT: 8.163 min Scan# 1026

Delta R.T. -0.065 min

Lab File: BF144331.D

Acq: 24 Nov 2025 18:47

Instrument :

BNA_F

ClientSampleId :

RBR200028-RT5376-COMP

Tgt Ion:127 Resp: 17052

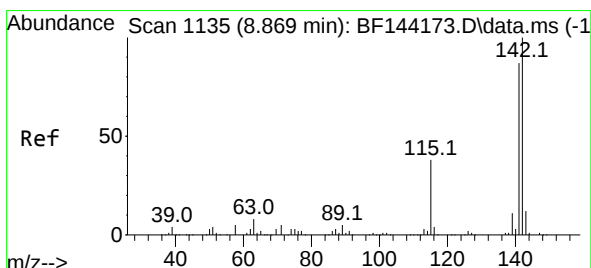
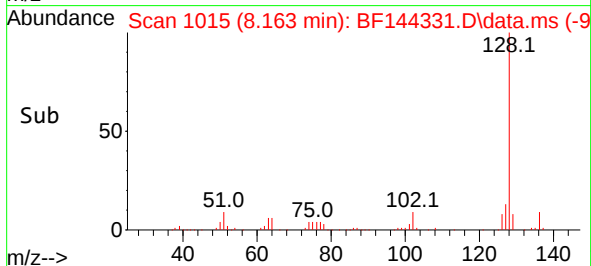
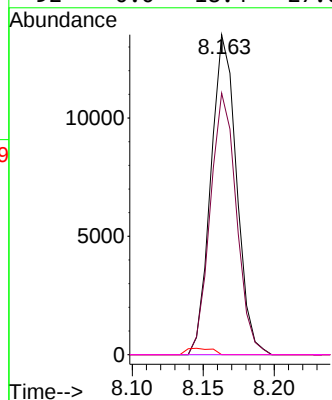
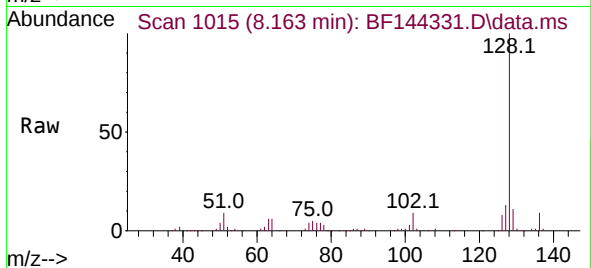
Ion Ratio Lower Upper

127 100

129 81.7 25.3 37.9#

65 0.0 27.6 41.4#

92 0.0 18.4 27.6#



#37

2-Methylnaphthalene

Concen: 5.124 ng

RT: 8.857 min Scan# 1133

Delta R.T. -0.012 min

Lab File: BF144331.D

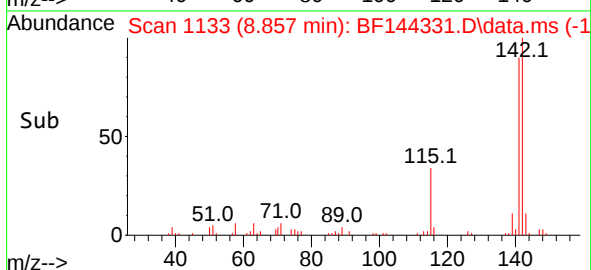
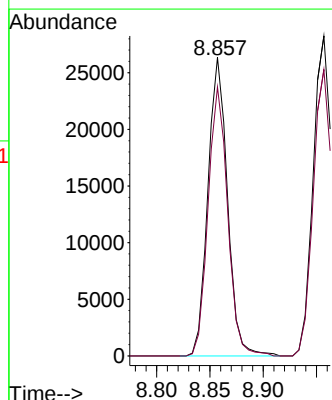
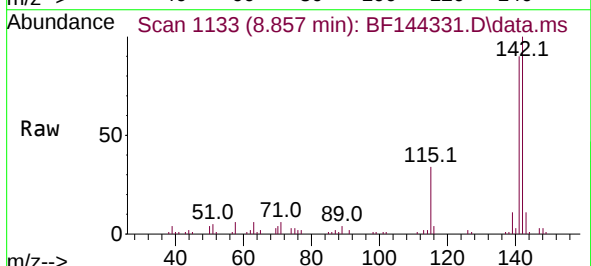
Acq: 24 Nov 2025 18:47

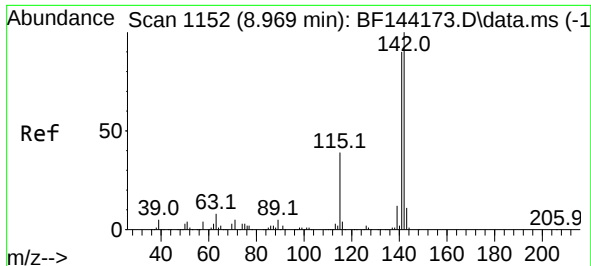
Tgt Ion:142 Resp: 33676

Ion Ratio Lower Upper

142 100

141 90.1 69.9 104.9

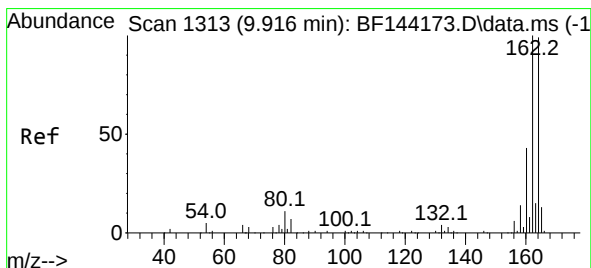
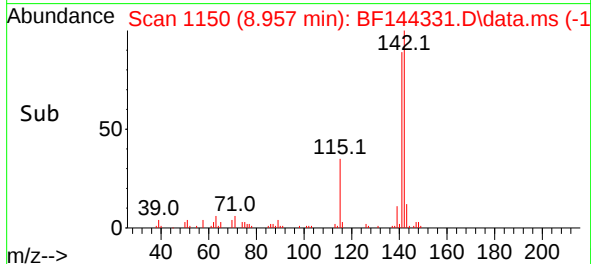
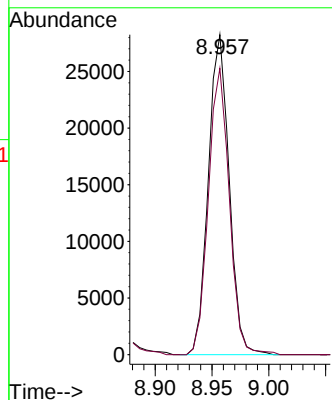
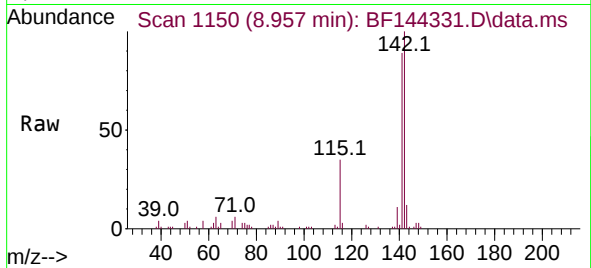




#38
1-Methylnaphthalene
Concen: 5.674 ng
RT: 8.957 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

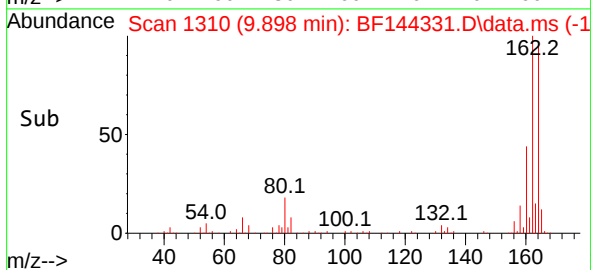
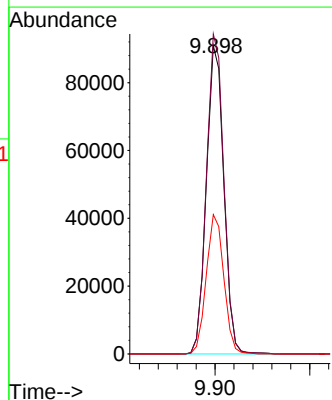
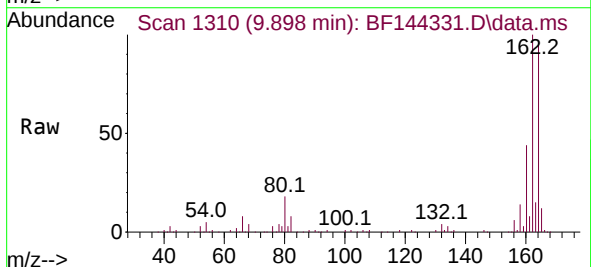
Instrument :
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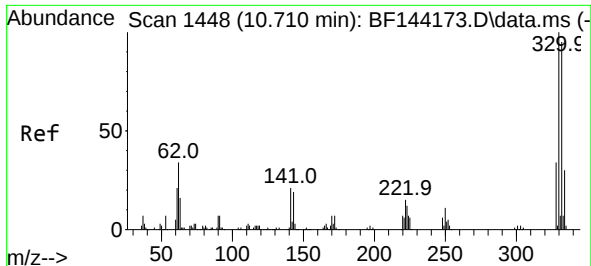
Tgt Ion:142 Resp: 35984
Ion Ratio Lower Upper
142 100
141 89.5 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

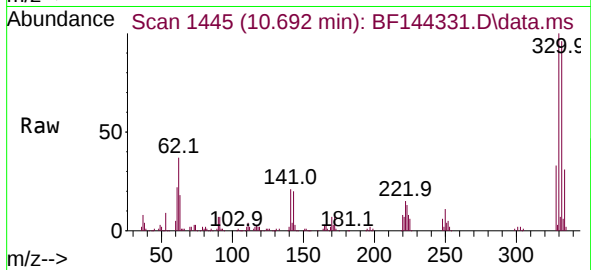
Tgt Ion:164 Resp: 116491
Ion Ratio Lower Upper
164 100
162 103.8 81.1 121.7
160 45.2 34.5 51.7



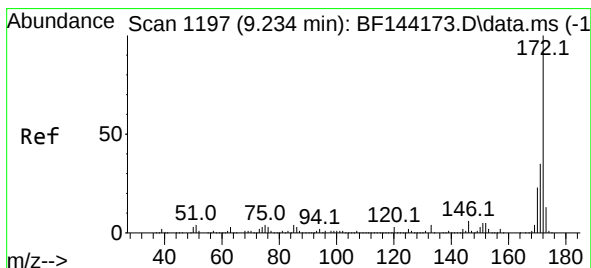
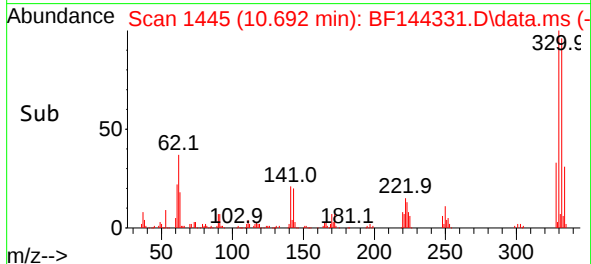
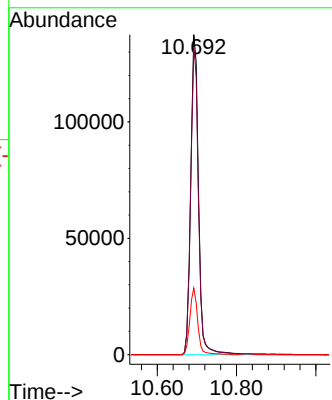


#42
2,4,6-Tribromophenol
Concen: 129.440 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

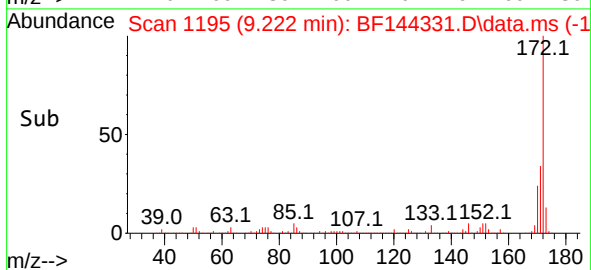
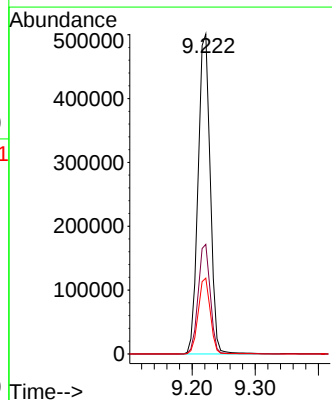
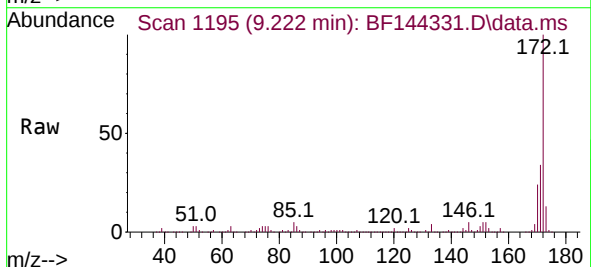


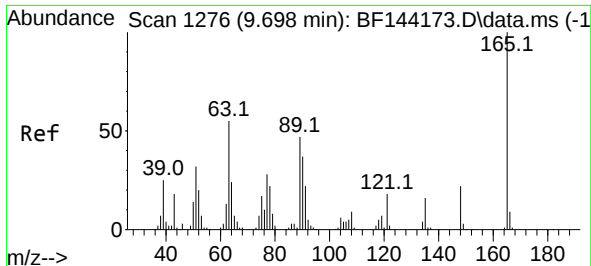
Tgt Ion: 330 Resp: 189219
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 20.8 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 84.992 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion: 172 Resp: 670360
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.7 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.691 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144331.D

Acq: 24 Nov 2025 18:47

Instrument :

BNA_F

ClientSampleId :

RBR200028-RT5376-COMP

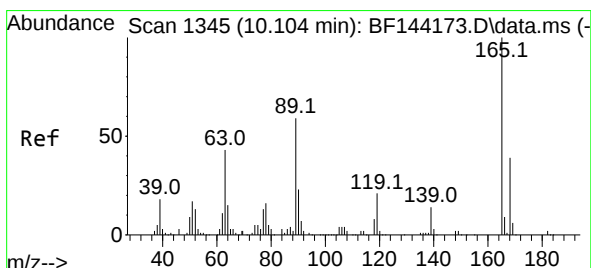
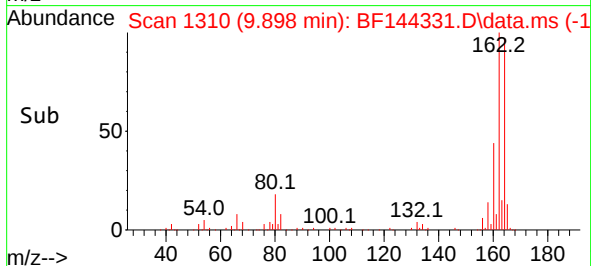
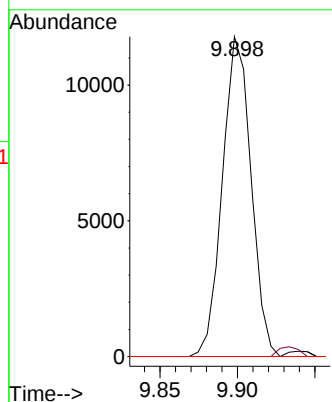
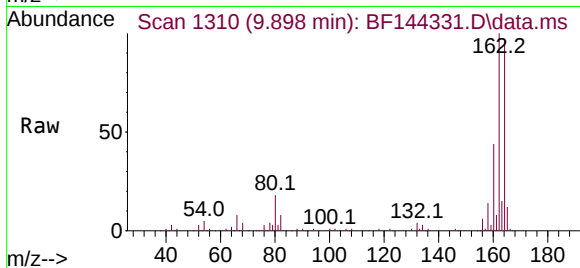
Tgt Ion:165 Resp: 15139

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 7.239 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.200 min

Lab File: BF144331.D

Acq: 24 Nov 2025 18:47

Tgt Ion:165 Resp: 15139

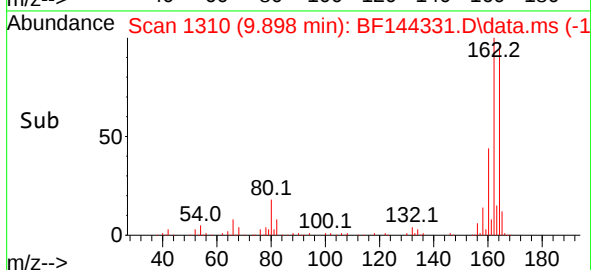
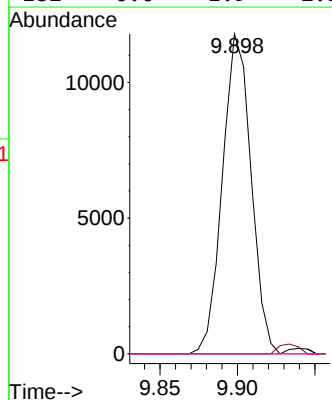
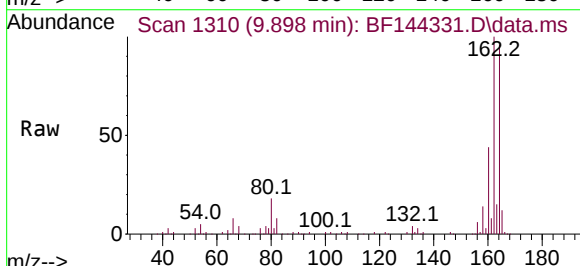
Ion Ratio Lower Upper

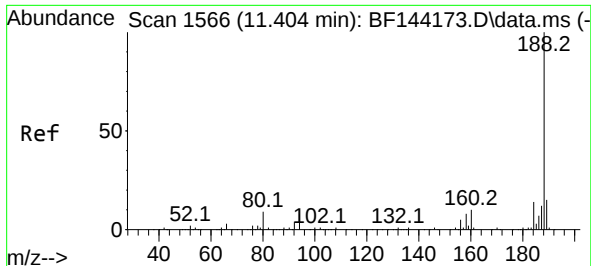
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#

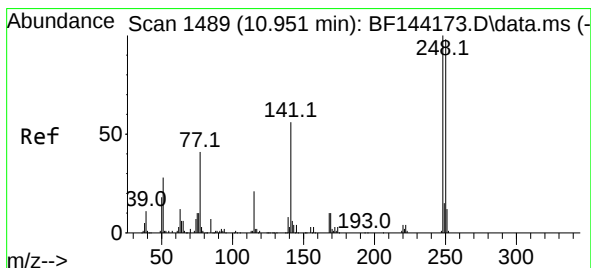
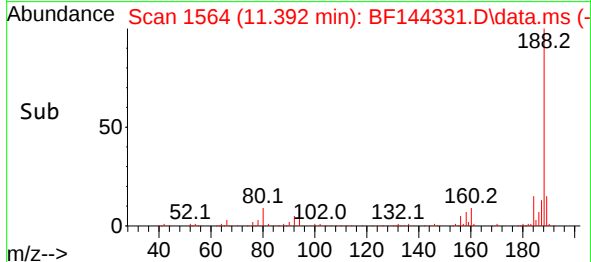
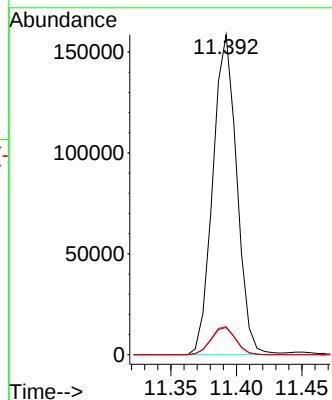
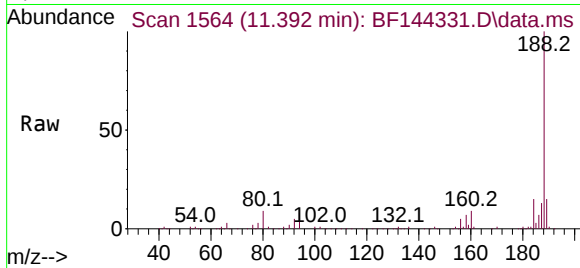




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

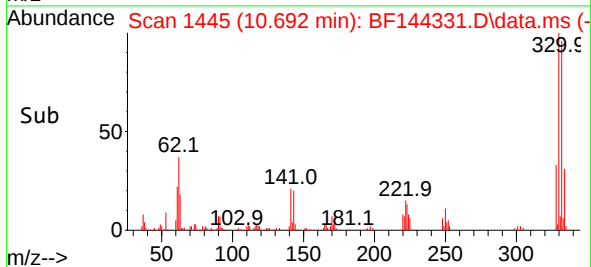
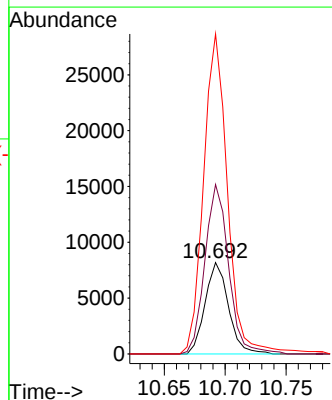
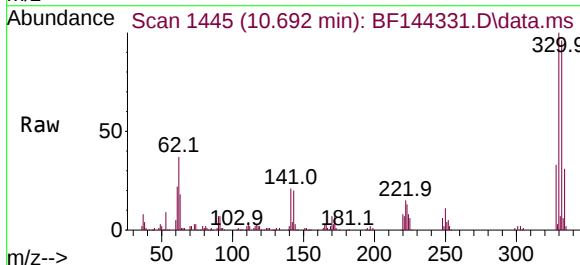
Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

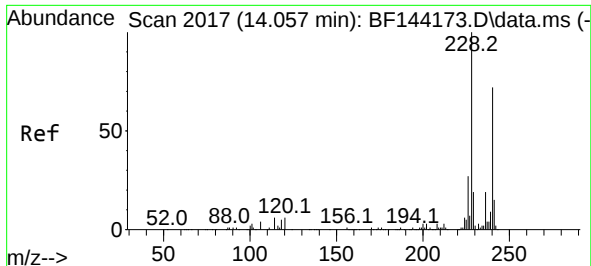
Tgt Ion:188 Resp: 201954
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 8.7 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.237 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion:248 Resp: 10922
Ion Ratio Lower Upper
248 100
250 185.5 78.4 117.6#
141 350.6 45.1 67.7#

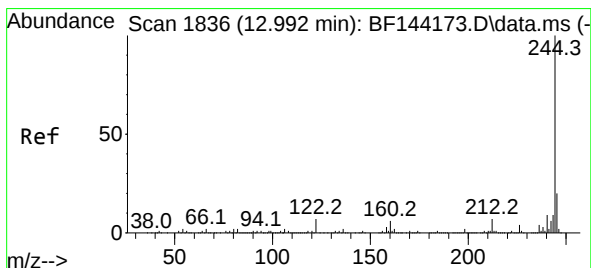
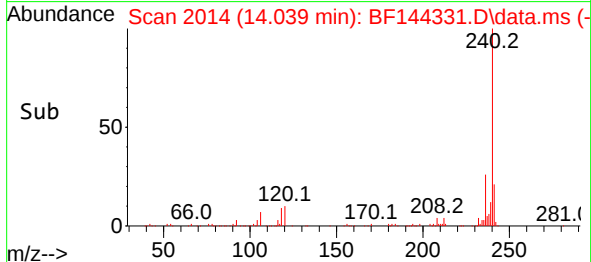
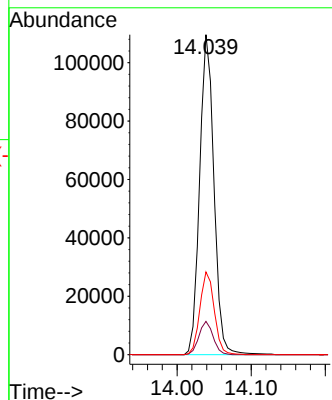
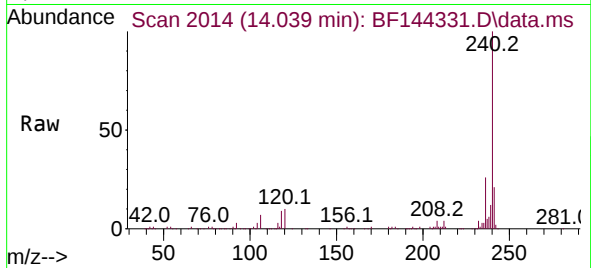




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

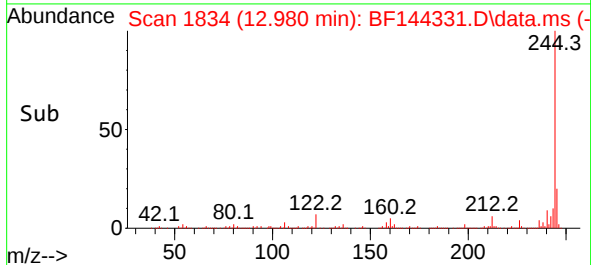
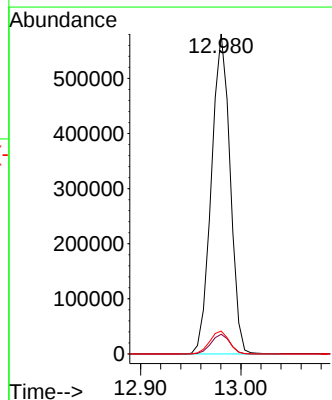
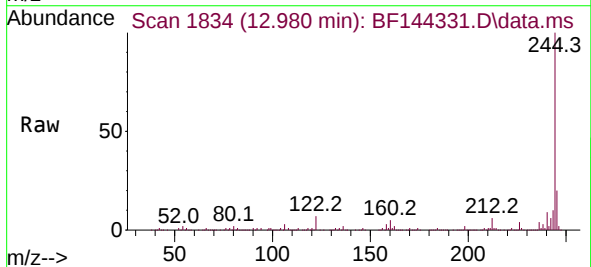
Instrument :
BNA_F
ClientSampleId :
RBR200028-RT5376-COMP

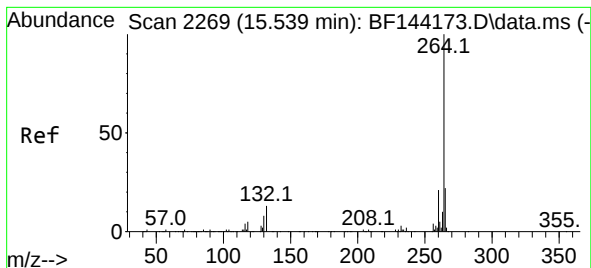
Tgt Ion:240 Resp: 146534
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.8 21.4 32.2



#79
Terphenyl-d14
Concen: 81.757 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144331.D
Acq: 24 Nov 2025 18:47

Tgt Ion:244 Resp: 754231
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.1 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144331.D

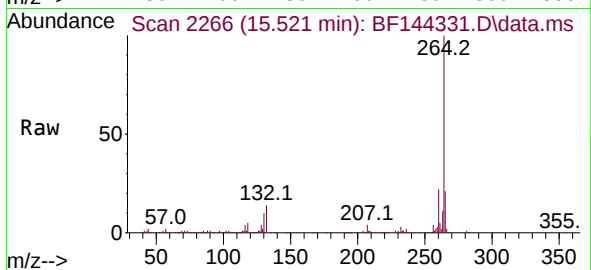
Acq: 24 Nov 2025 18:47

Instrument :

BNA_F

ClientSampleId :

RBR200028-RT5376-COMP



Tgt Ion:264 Resp: 173908

Ion Ratio Lower Upper

264 100

260 22.4 17.1 25.7

265 21.4 17.4 26.0

