

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141457.D
 Acq On : 05 Feb 2025 19:46
 Operator : RC/JU
 Sample : Q1280-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11984

Quant Time: Feb 06 01:46:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

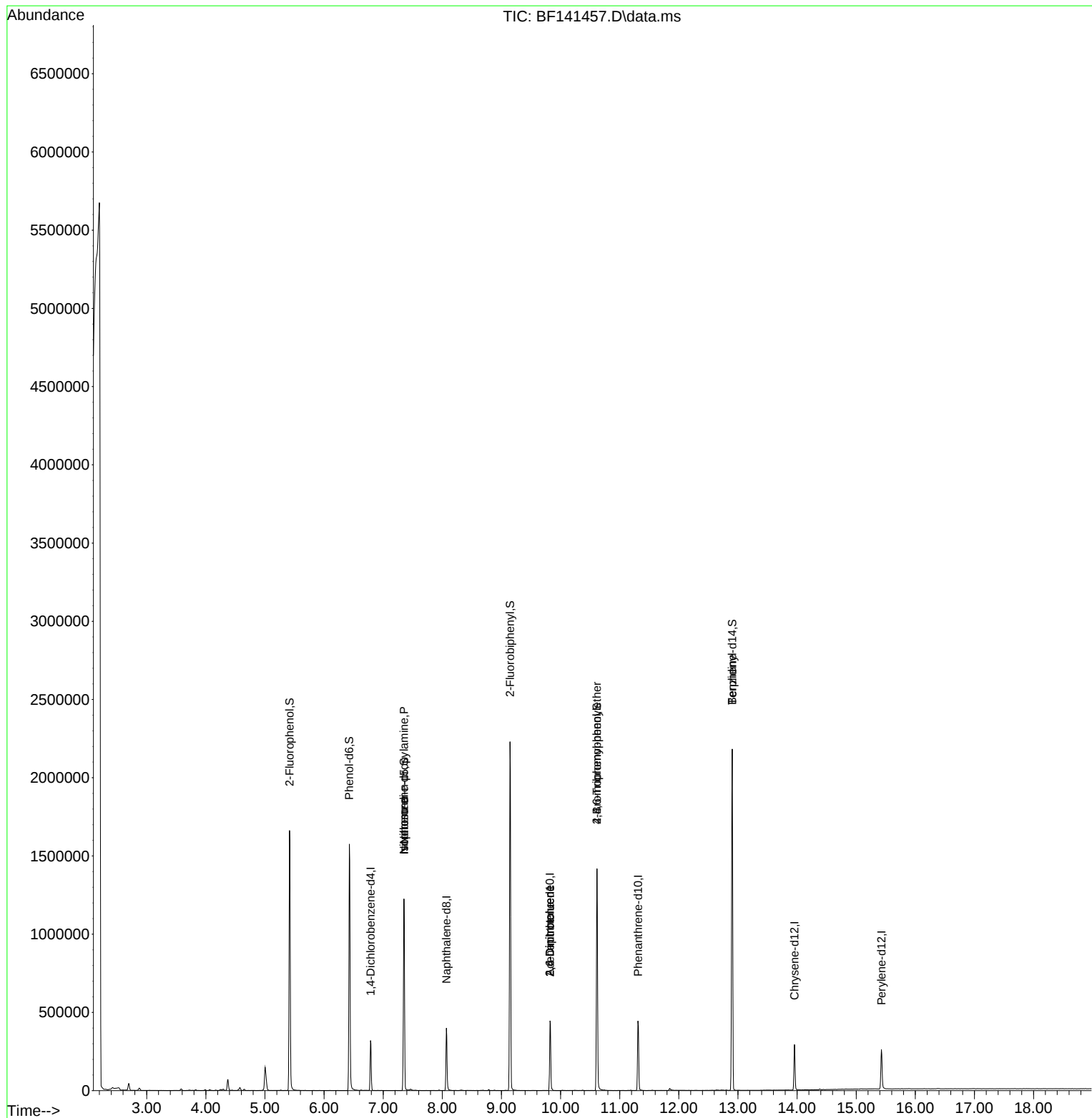
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	64965	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	253445	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	137508	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	230186	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	145053	20.000	ng	#-0.02
86) Perylene-d12	15.427	264	152095	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	606456	143.313	ng	0.00
7) Phenol-d6	6.428	99	704802	130.925	ng	-0.01
23) Nitrobenzene-d5	7.351	82	532794	110.821	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	226219	179.449	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	976970	109.357	ng	-0.02
79) Terphenyl-d14	12.904	244	1070668	113.832	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	72840	22.771	ng	# 77
25) Isophorone	7.351	82	528179	63.555	ng	# 64
51) 2,6-Dinitrotoluene	9.822	165	17799	8.254	ng	# 24
57) 2,4-Dinitrotoluene	9.822	165	17799	6.375	ng	# 23
67) 4-Bromophenyl-phenylether	10.616	248	15903	6.171	ng	# 1
77) Benzidine	12.904	184	14529	3.124	ng	# 94

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

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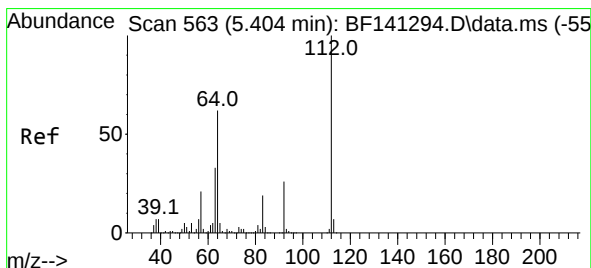
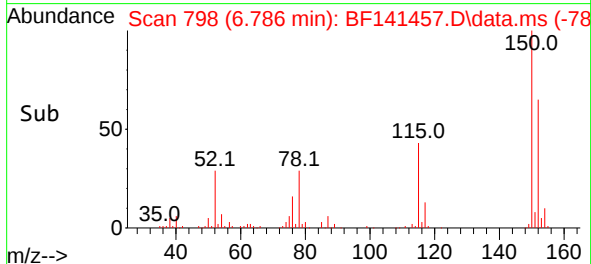
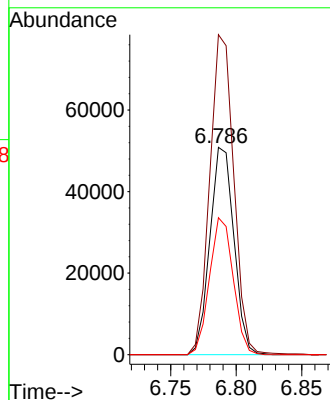
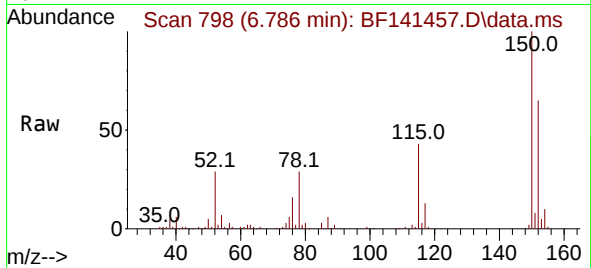




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

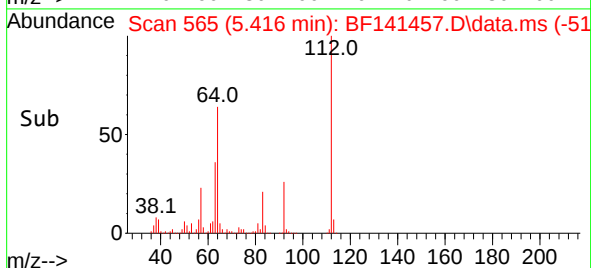
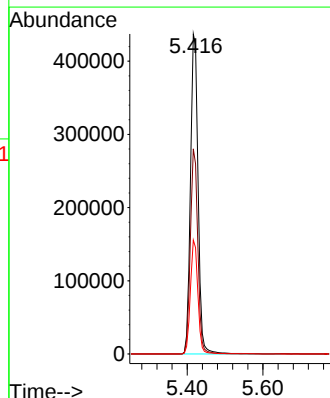
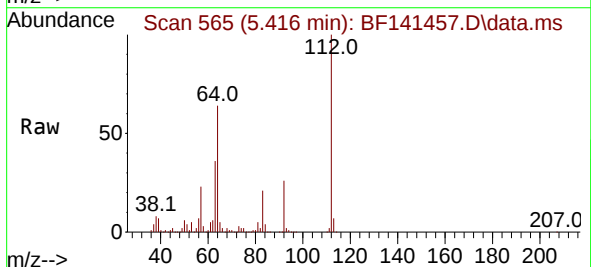
Instrument :
BNA_F
ClientSampleId :
72-11984

Tgt Ion:152 Resp: 64965
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 66.0 49.7 74.5



#5
2-Fluorophenol
Concen: 143.313 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Tgt Ion:112 Resp: 606456
Ion Ratio Lower Upper
112 100
64 64.1 49.8 74.8
63 35.6 26.1 39.1

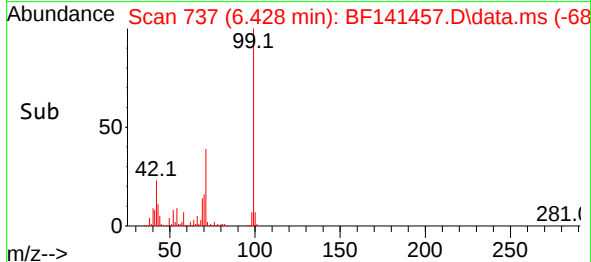
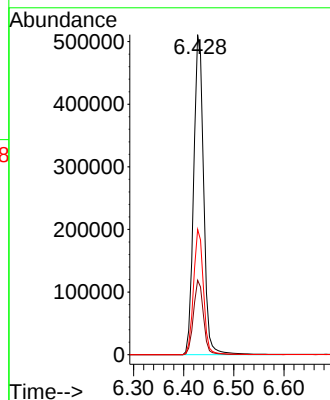
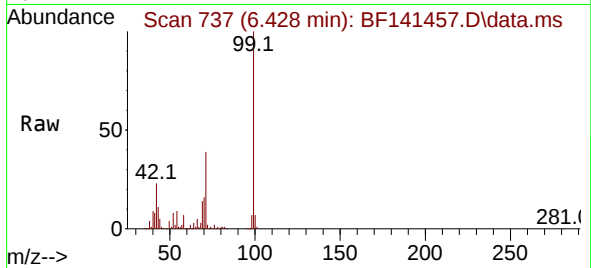




#7
Phenol-d6
Concen: 130.925 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

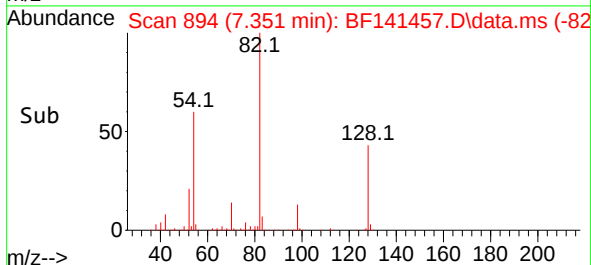
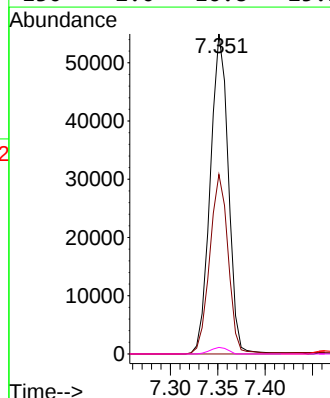
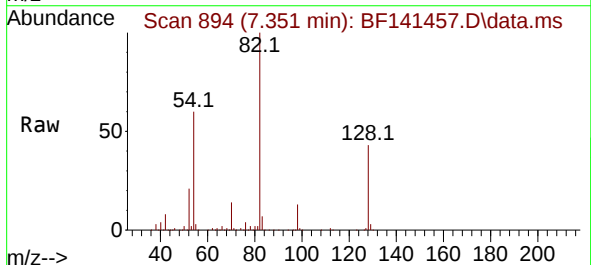
Instrument :
BNA_F
ClientSampleId :
72-11984

Tgt Ion: 99 Resp: 704802
Ion Ratio Lower Upper
99 100
42 23.3 17.1 25.7
71 39.2 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 22.771 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Tgt Ion: 70 Resp: 72840
Ion Ratio Lower Upper
70 100
42 56.1 56.8 85.2#
101 0.0 7.7 11.5#
130 2.0 16.8 25.2#

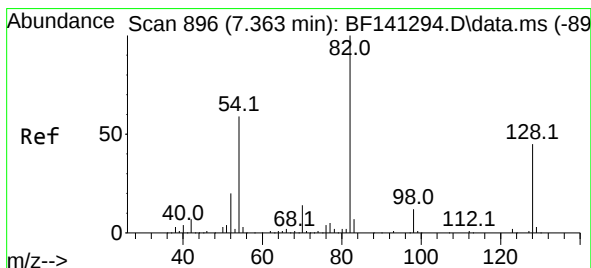
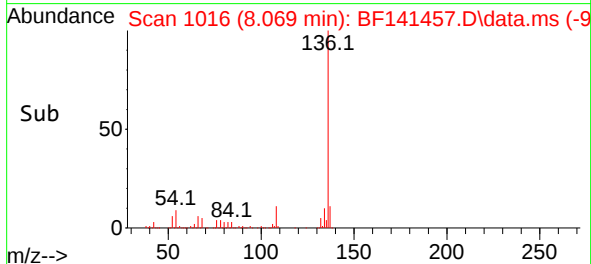
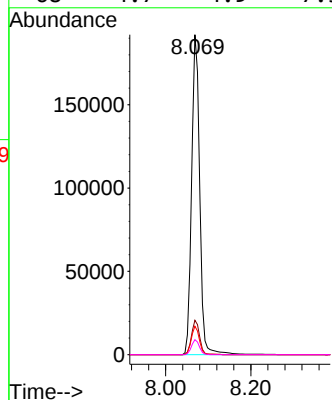
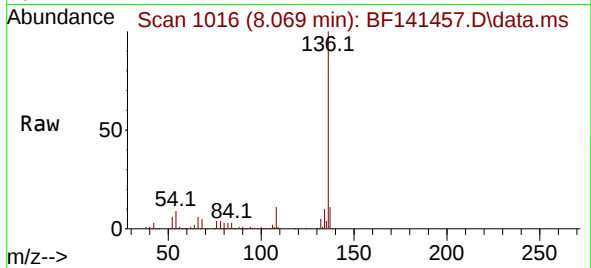




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

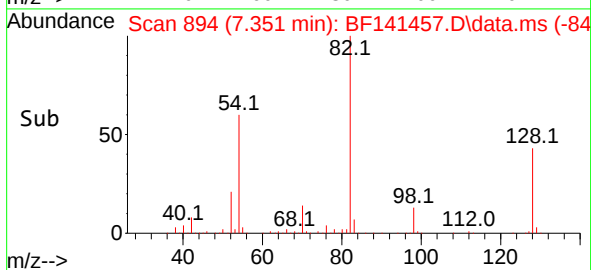
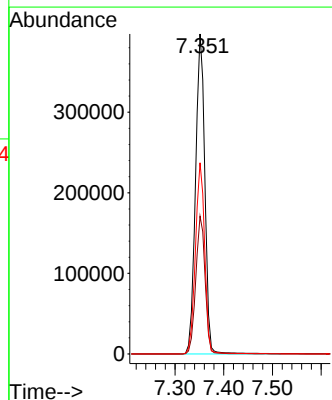
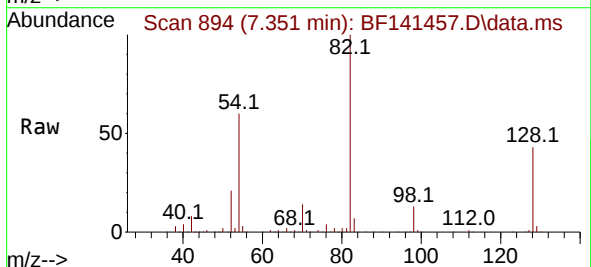
Instrument :
BNA_F
ClientSampleId :
72-11984

Tgt Ion:136 Resp: 253445
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.8 11.8
68 4.7 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 110.821 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Tgt Ion: 82 Resp: 532794
Ion Ratio Lower Upper
82 100
128 43.0 35.7 53.5
54 59.8 47.1 70.7

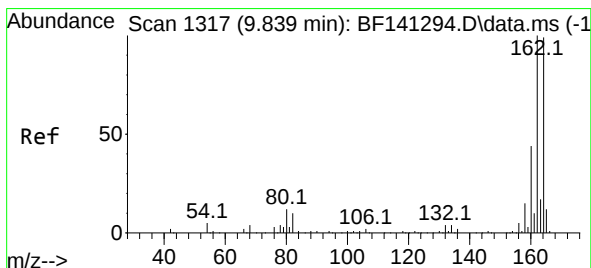
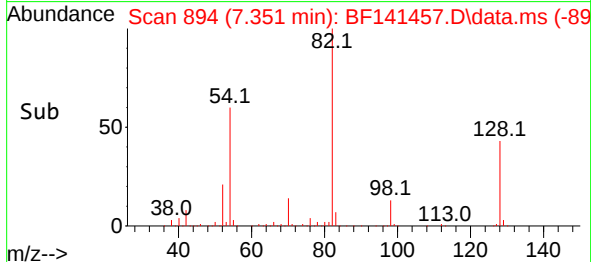
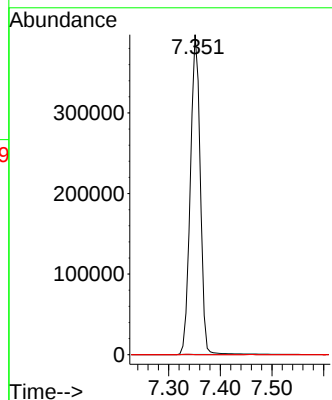
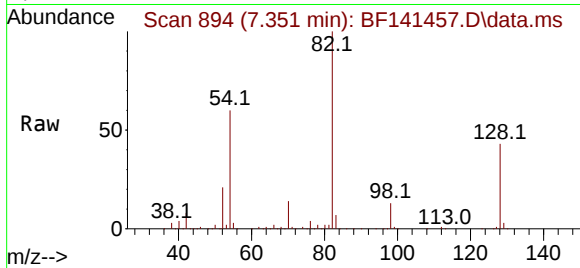




#25
Isophorone
Concen: 63.555 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

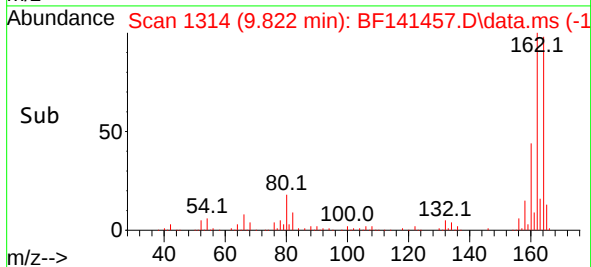
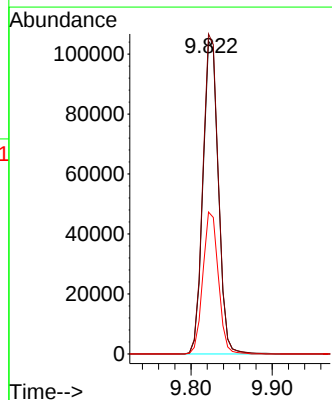
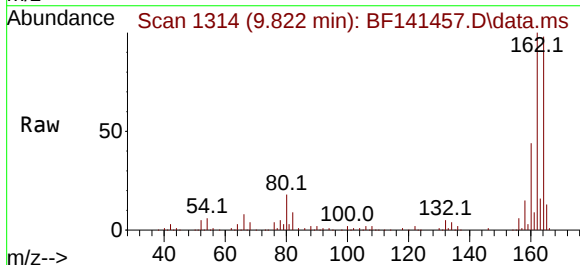
Instrument :
BNA_F
ClientSampleId :
72-11984

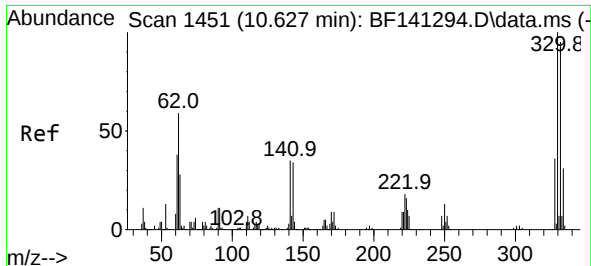
Tgt Ion: 82 Resp: 528179
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Tgt Ion:164 Resp: 137508
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 45.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 179.449 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141457.D

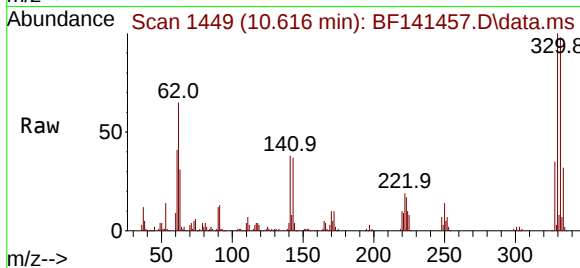
Acq: 05 Feb 2025 19:46

Instrument :

BNA_F

ClientSampleId :

72-11984



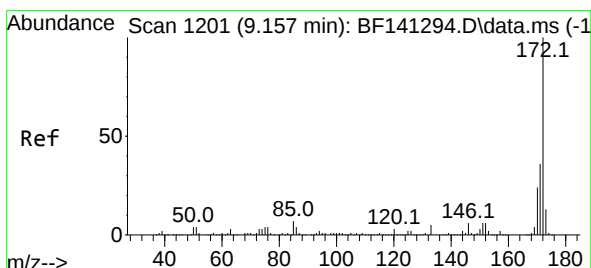
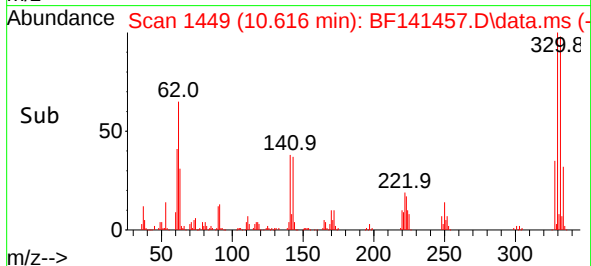
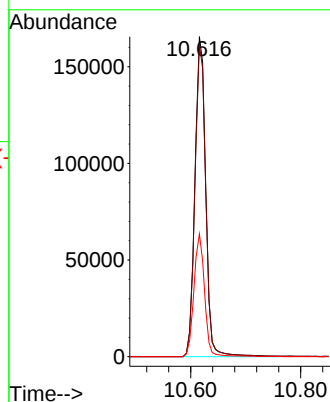
Tgt Ion:330 Resp: 226219

Ion Ratio Lower Upper

330 100

332 97.5 76.1 114.1

141 37.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 109.357 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141457.D

Acq: 05 Feb 2025 19:46

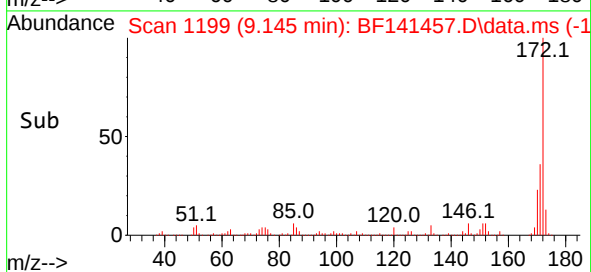
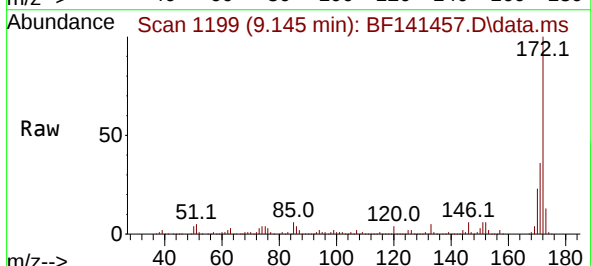
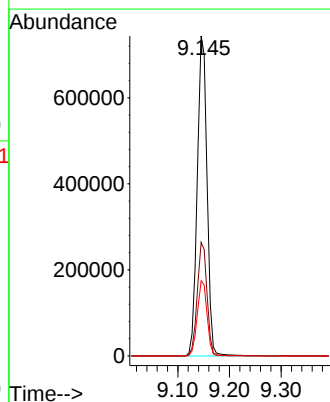
Tgt Ion:172 Resp: 976970

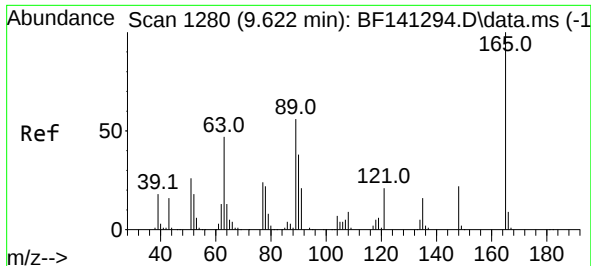
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.254 ng

RT: 9.822 min Scan# 1314

Delta R.T. 0.194 min

Lab File: BF141457.D

Acq: 05 Feb 2025 19:46

Instrument :

BNA_F

ClientSampleId :

72-11984

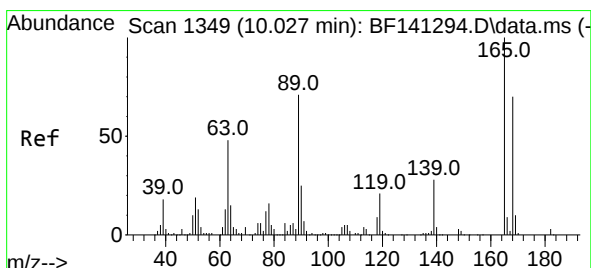
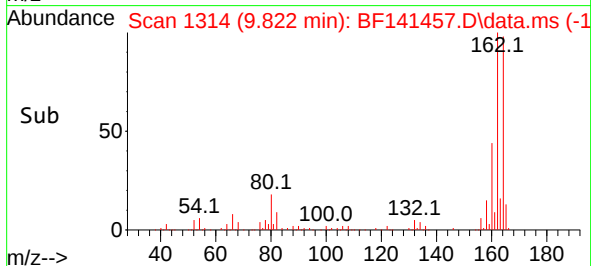
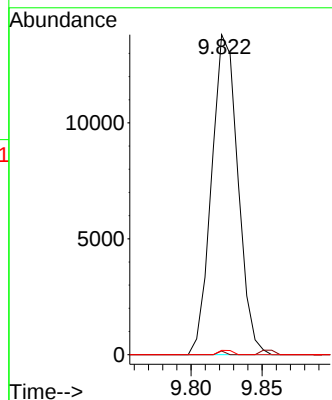
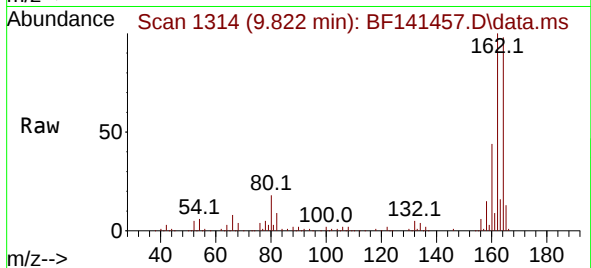
Tgt Ion:165 Resp: 17799

Ion Ratio Lower Upper

165 100

63 1.2 48.1 72.1#

89 1.4 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.375 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.212 min

Lab File: BF141457.D

Acq: 05 Feb 2025 19:46

Tgt Ion:165 Resp: 17799

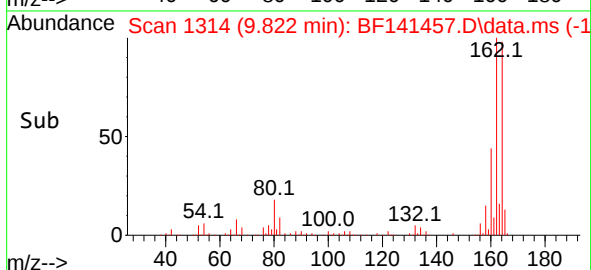
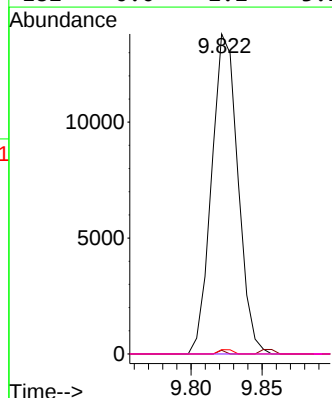
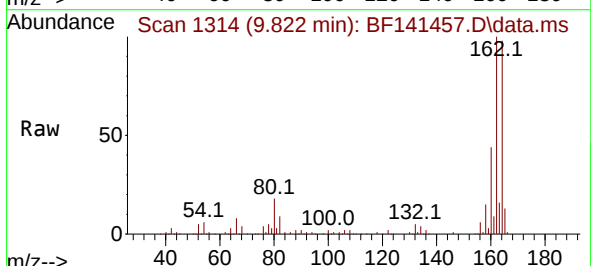
Ion Ratio Lower Upper

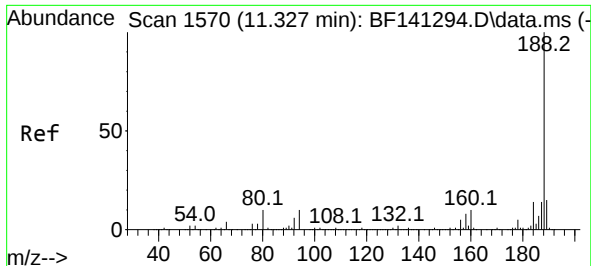
165 100

63 1.2 39.2 58.8#

89 1.4 56.9 85.3#

182 0.0 2.2 3.2#

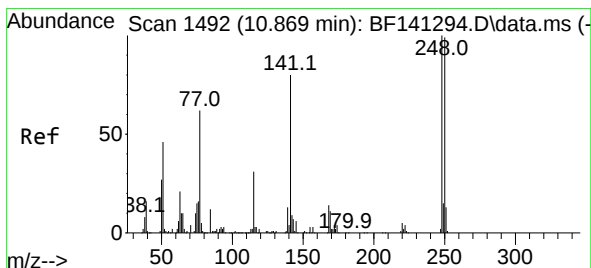
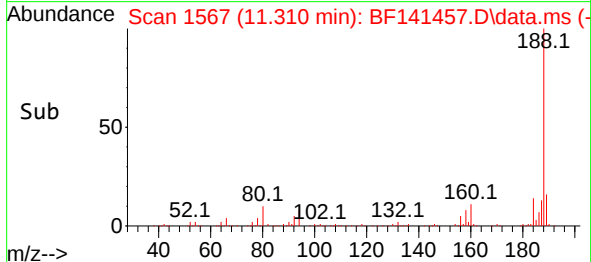
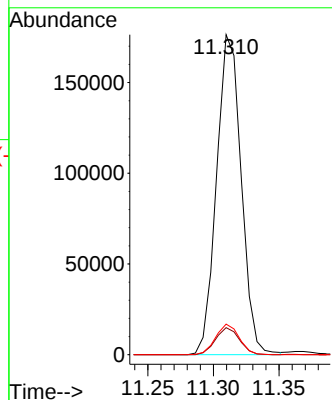
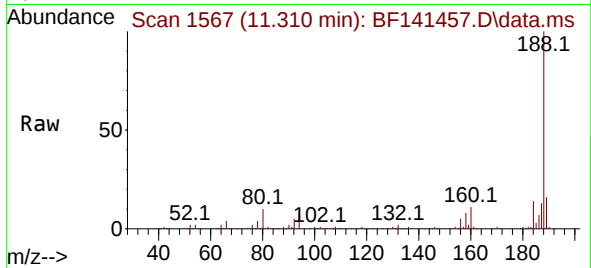




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

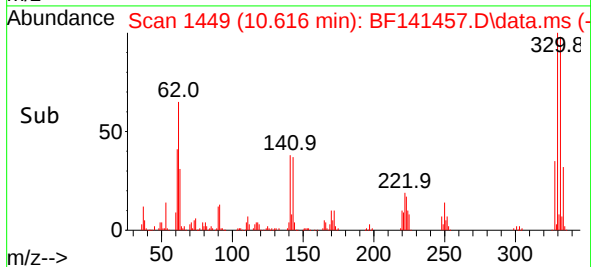
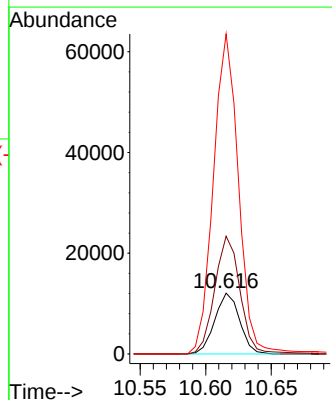
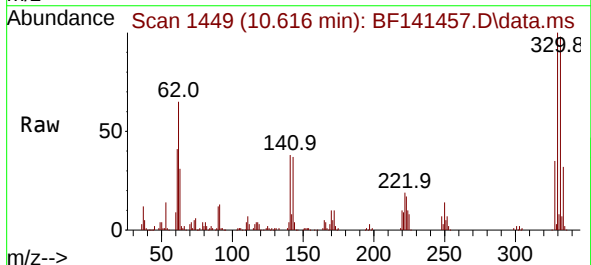
Instrument :
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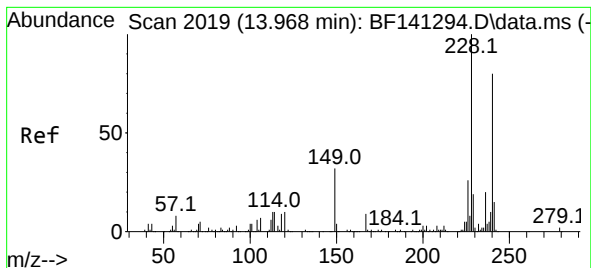
Tgt Ion:188 Resp: 230186
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.5 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 6.171 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.259 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Tgt Ion:248 Resp: 15903
Ion Ratio Lower Upper
248 100
250 193.5 79.0 118.4#
141 525.7 63.7 95.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141457.D

Acq: 05 Feb 2025 19:46

Instrument :

BNA_F

ClientSampleId :

72-11984

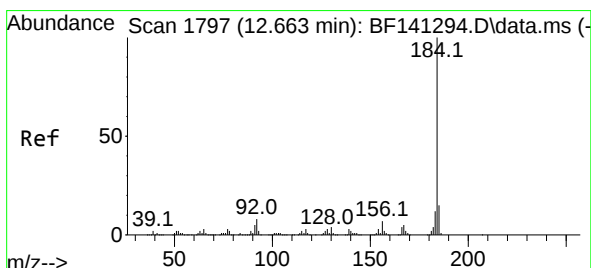
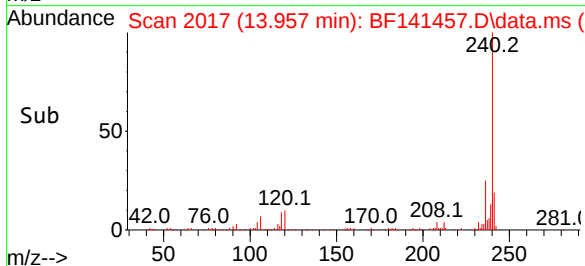
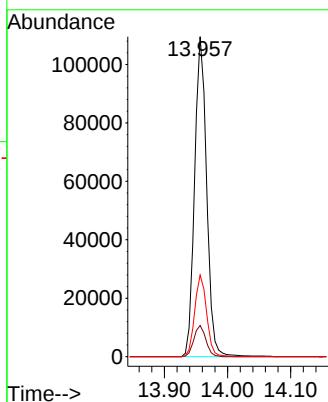
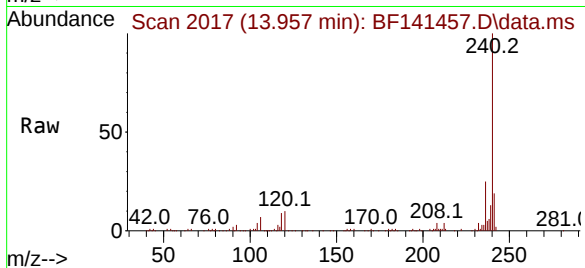
Tgt Ion:240 Resp: 145053

Ion Ratio Lower Upper

240 100

120 9.7 10.0 15.0#

236 25.5 19.7 29.5



#77

Benzidine

Concen: 3.124 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.241 min

Lab File: BF141457.D

Acq: 05 Feb 2025 19:46

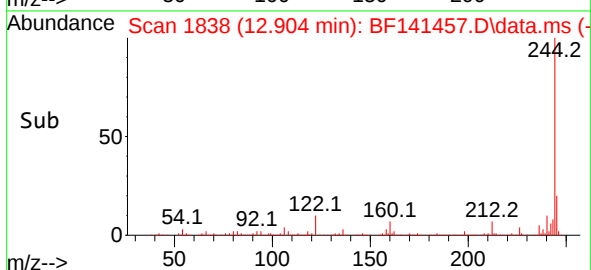
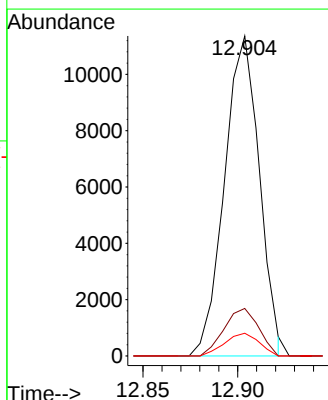
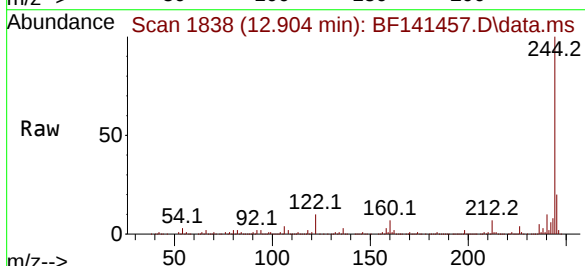
Tgt Ion:184 Resp: 14529

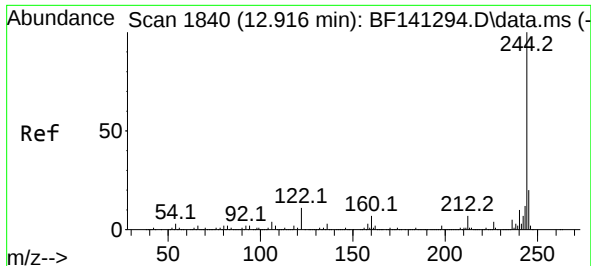
Ion Ratio Lower Upper

184 100

185 14.8 11.9 17.9

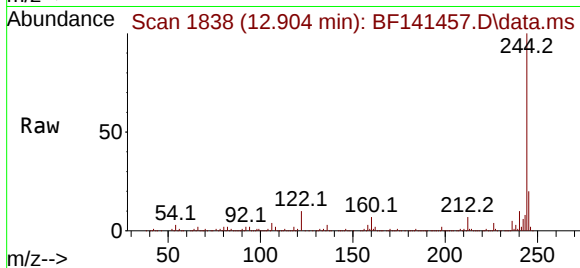
183 7.1 9.5 14.3#



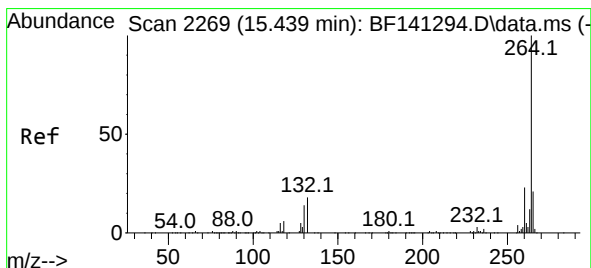
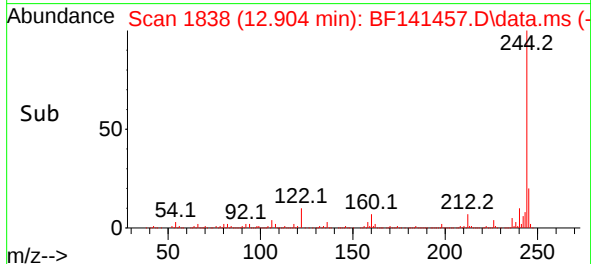
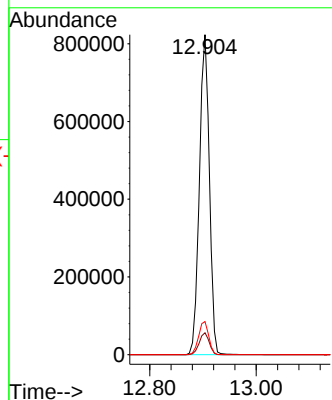


#79
Terphenyl-d14
Concen: 113.832 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Instrument :
BNA_F
ClientSampleId :
72-11984



Tgt Ion:244 Resp: 1070668
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.3 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141457.D
Acq: 05 Feb 2025 19:46

Tgt Ion:264 Resp: 152095
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.5 16.7 25.1

