

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142398.D
 Acq On : 15 May 2025 18:11
 Operator : RC/JU
 Sample : Q2010-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17

Quant Time: May 15 18:29:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

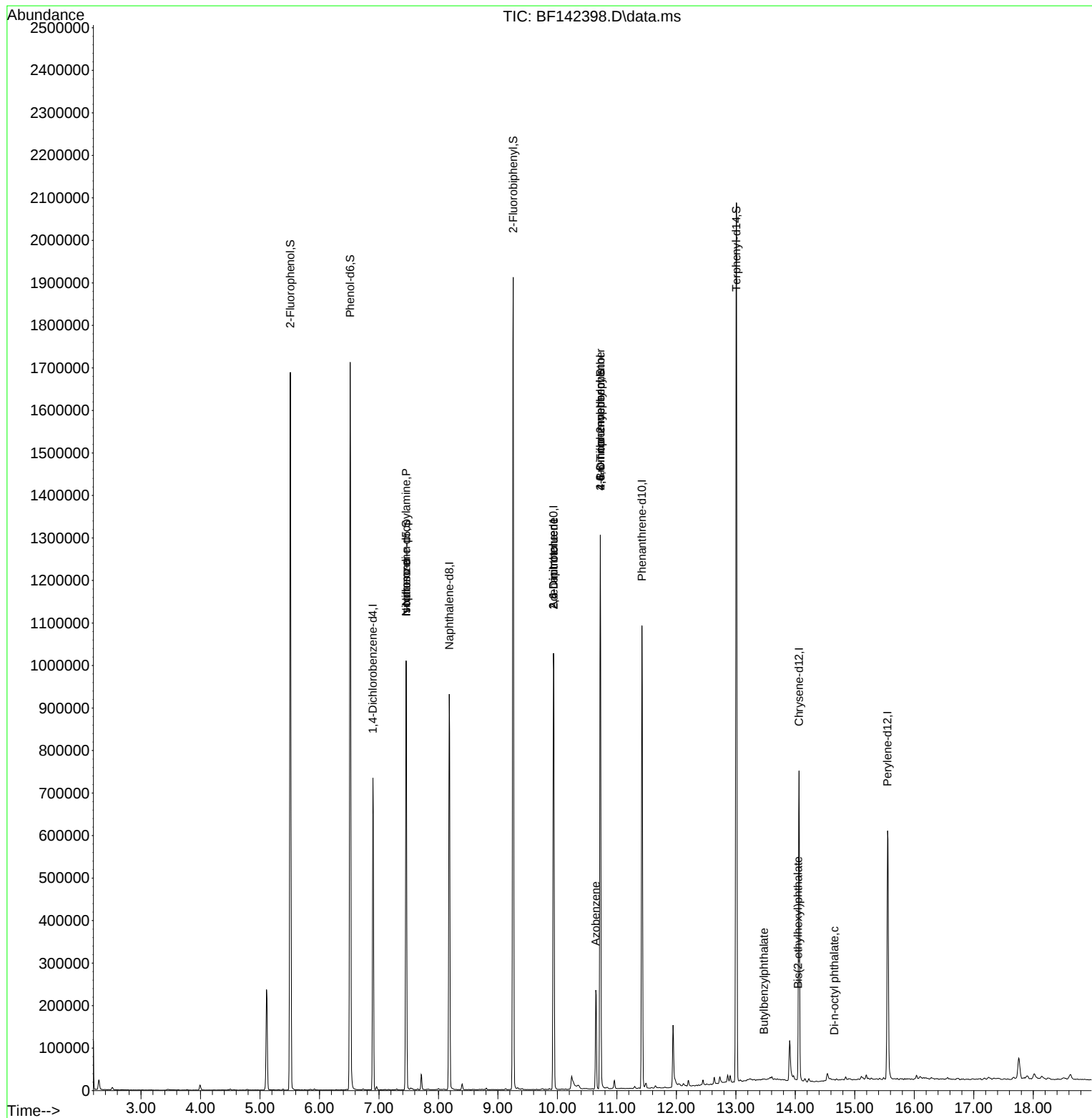
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	157195	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	594153	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	319877	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	556086	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	351534	20.000	ng	0.00
86) Perylene-d12	15.551	264	349296	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	632420	68.678	ng	0.00
7) Phenol-d6	6.516	99	788406	69.612	ng	0.00
23) Nitrobenzene-d5	7.457	82	407376	41.815	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	230339	74.583	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	863592	38.495	ng	0.00
79) Terphenyl-d14	13.010	244	1026362	43.214	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	53708	7.666	ng	# 77
25) Isophorone	7.457	82	402915	21.840	ng	# 62
51) 2,6-Dinitrotoluene	9.934	165	40862	10.628	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	40862	8.285	ng	# 24
63) Azobenzene	10.645	77	56679	2.892	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	514	7.354	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13475	2.138	ng	# 1
80) Butylbenzylphthalate	13.474	149	205	3.680	ng	# 81
84) Bis(2-ethylhexyl)phtha...	14.045	149	1520	4.354	ng	# 95
85) Di-n-octyl phthalate	14.657	149	287	7.851	ng	# 73

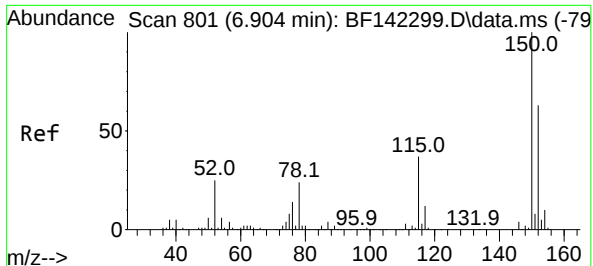
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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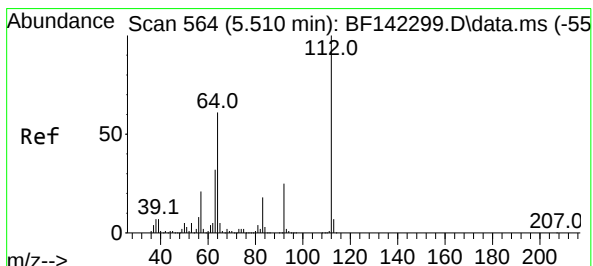
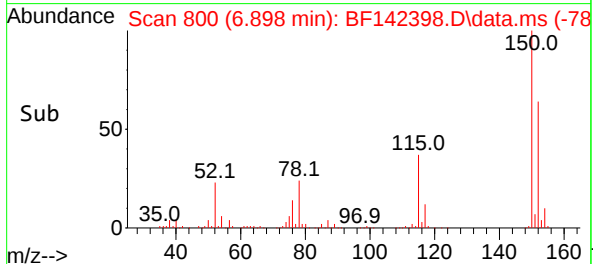
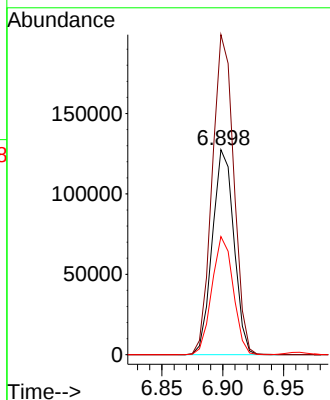
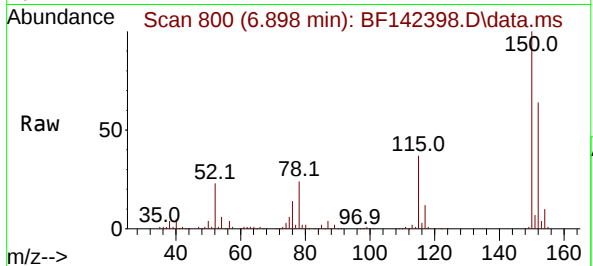




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

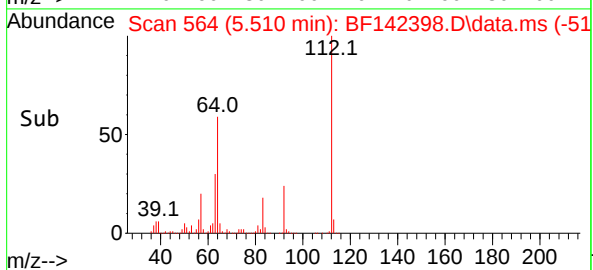
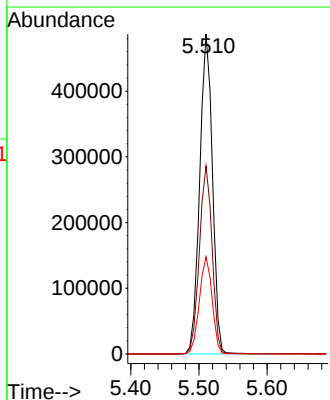
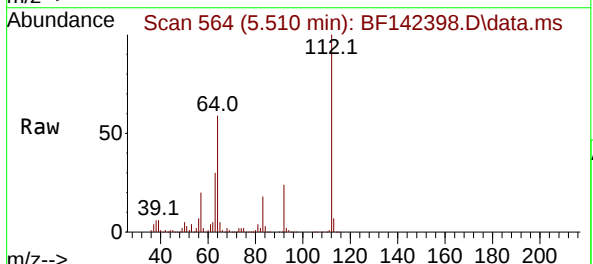
Instrument :
BNA_F
ClientSampleId :
TP-17

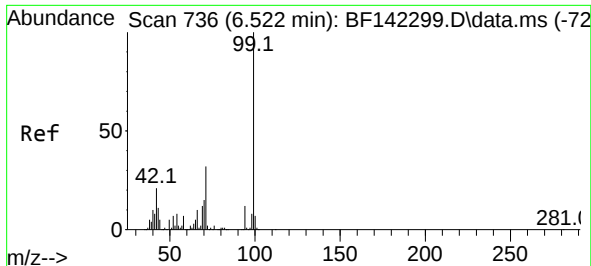
Tgt Ion:152 Resp: 157195
Ion Ratio Lower Upper
152 100
150 156.2 126.6 190.0
115 57.6 47.3 70.9



#5
2-Fluorophenol
Concen: 68.678 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:112 Resp: 632420
Ion Ratio Lower Upper
112 100
64 58.8 48.9 73.3
63 30.3 25.6 38.4

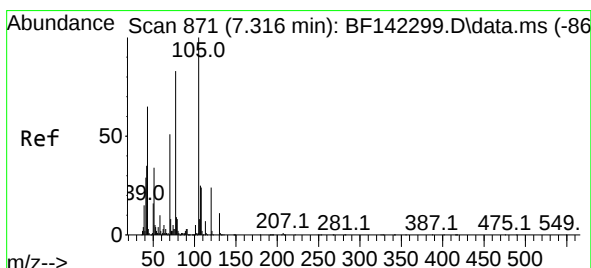
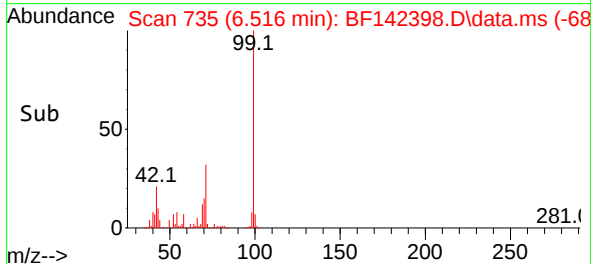
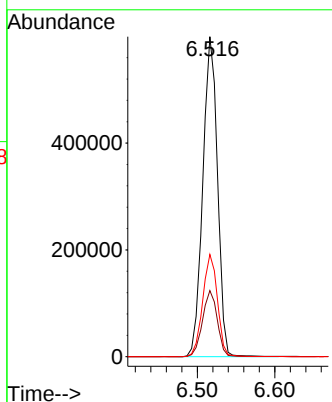
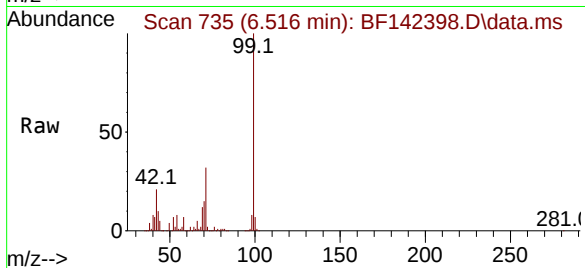




#7
Phenol-d6
Concen: 69.612 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

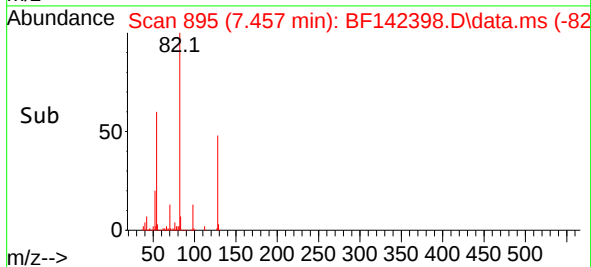
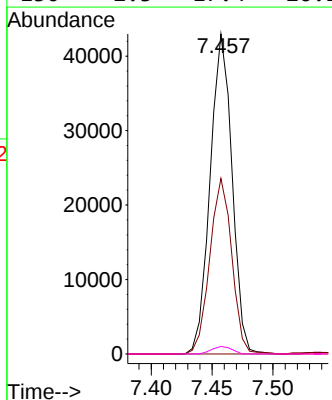
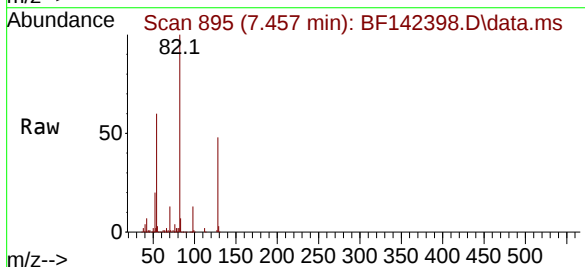
Instrument :
BNA_F
ClientSampleId :
TP-17

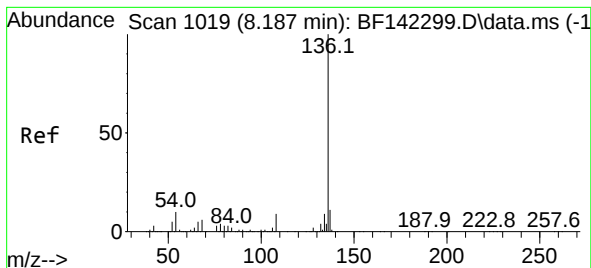
Tgt Ion: 99 Resp: 788406
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.4
71 31.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.666 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion: 70 Resp: 53708
Ion Ratio Lower Upper
70 100
42 54.8 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-17

Tgt Ion:136 Resp: 594153

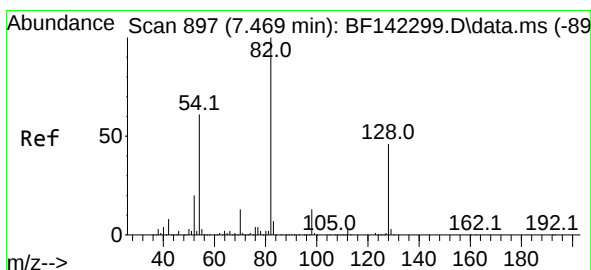
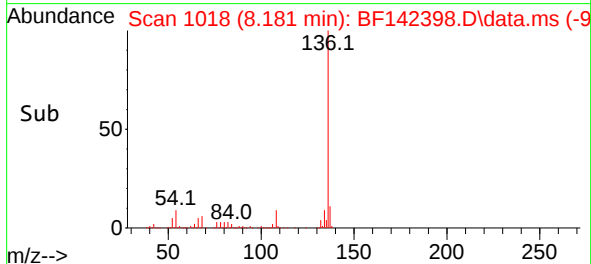
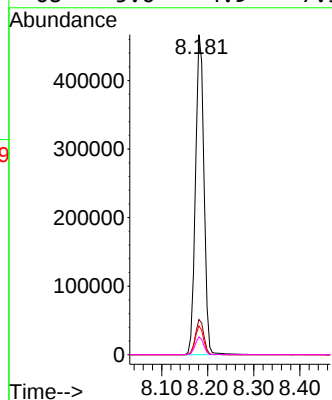
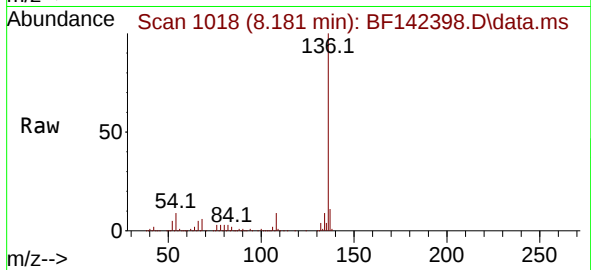
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 7.7 11.5

68 5.6 4.9 7.3



#23

Nitrobenzene-d5

Concen: 41.815 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

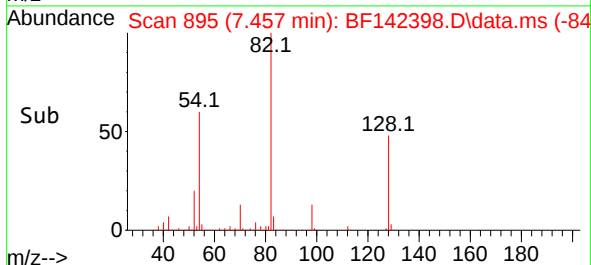
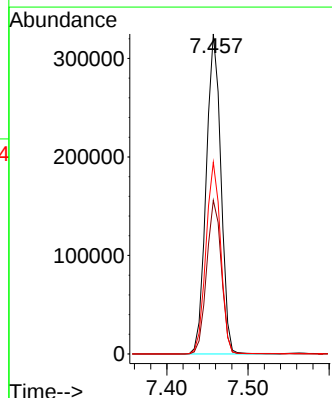
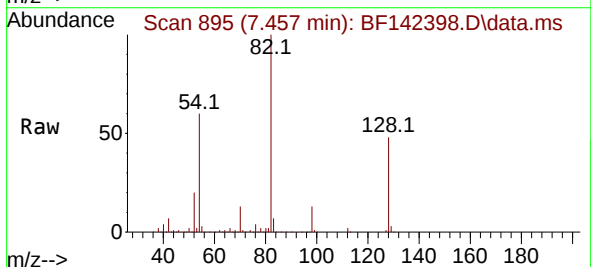
Tgt Ion: 82 Resp: 407376

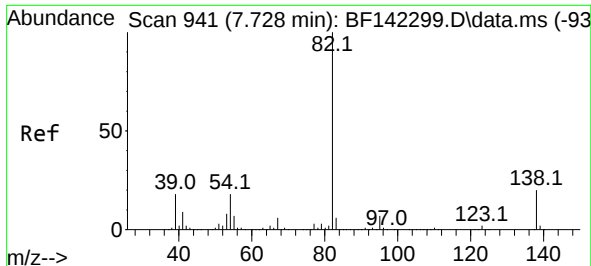
Ion Ratio Lower Upper

82 100

128 48.0 37.0 55.6

54 59.9 48.6 73.0

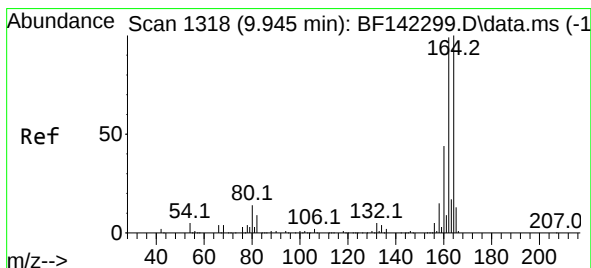
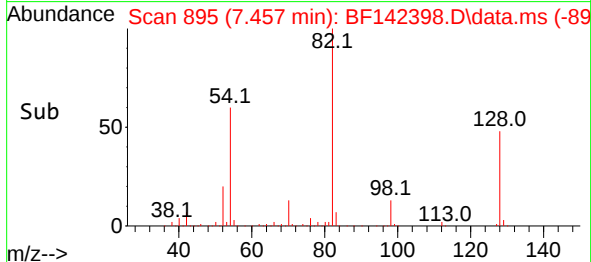
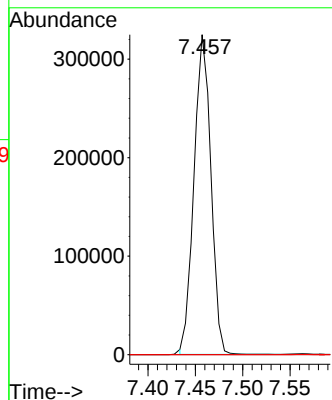
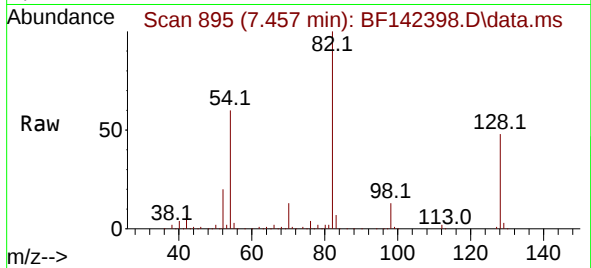




#25
Isophorone
Concen: 21.840 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

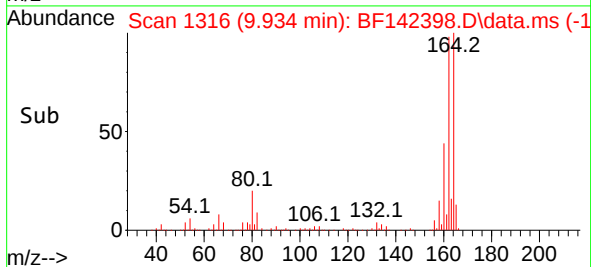
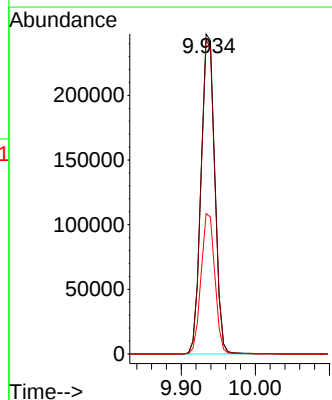
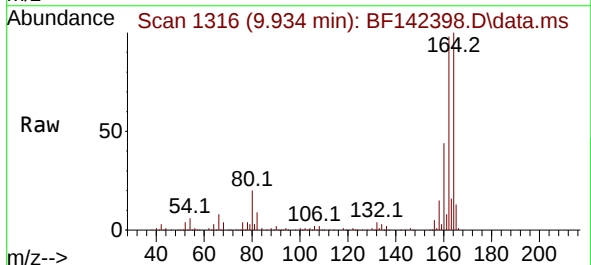
Instrument :
BNA_F
ClientSampleId :
TP-17

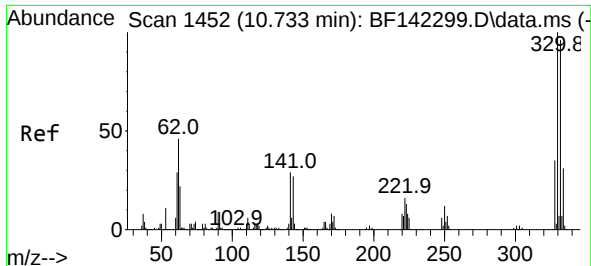
Tgt Ion: 82 Resp: 402915
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:164 Resp: 319877
Ion Ratio Lower Upper
164 100
162 98.1 79.2 118.8
160 43.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 74.583 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-17

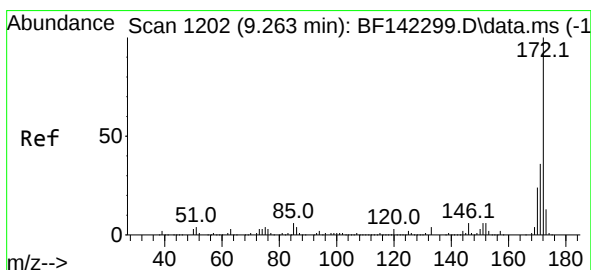
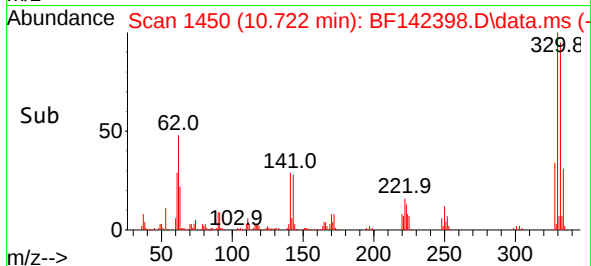
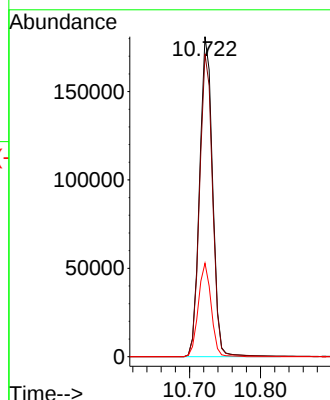
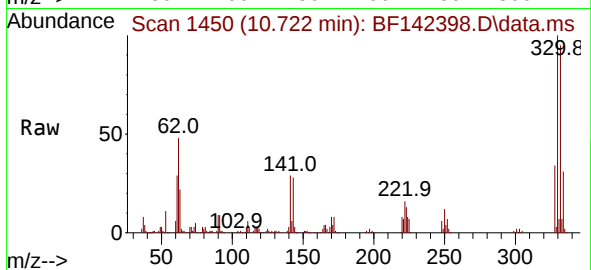
Tgt Ion:330 Resp: 230339

Ion Ratio Lower Upper

330 100

332 94.7 76.8 115.2

141 28.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 38.495 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

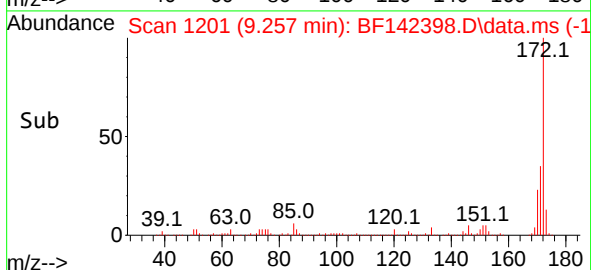
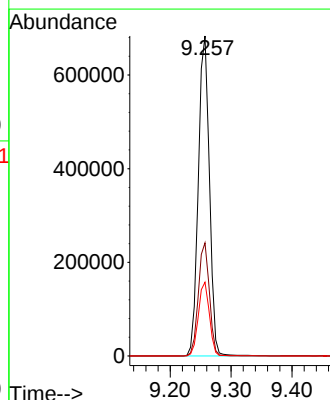
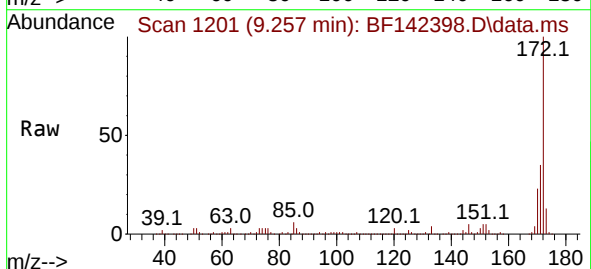
Tgt Ion:172 Resp: 863592

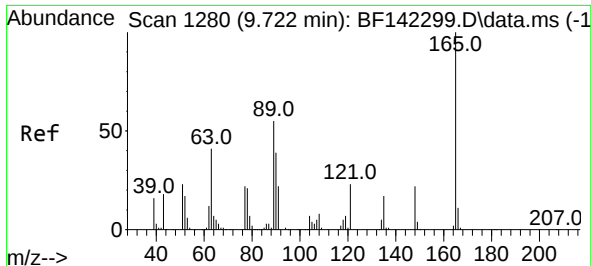
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.1 19.0 28.4

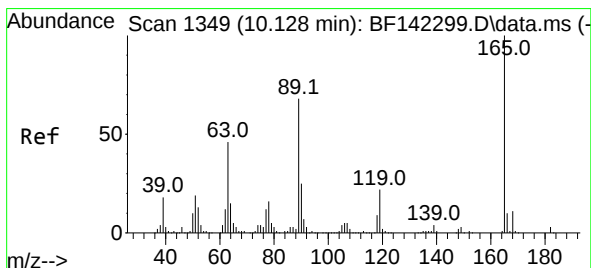
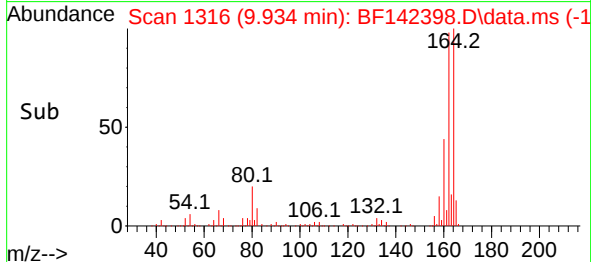
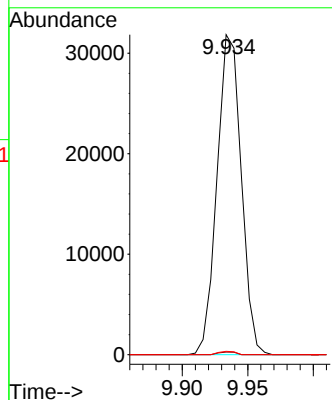
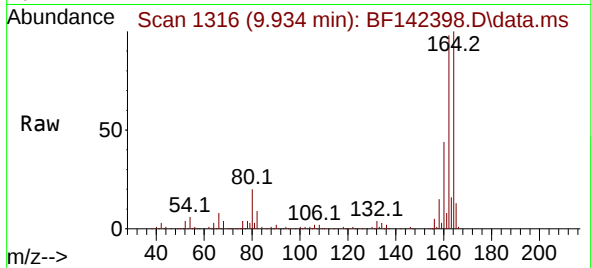




#51
2,6-Dinitrotoluene
Concen: 10.628 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

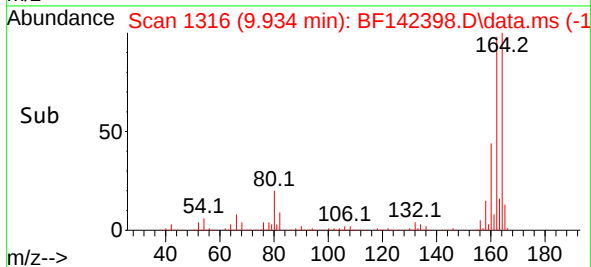
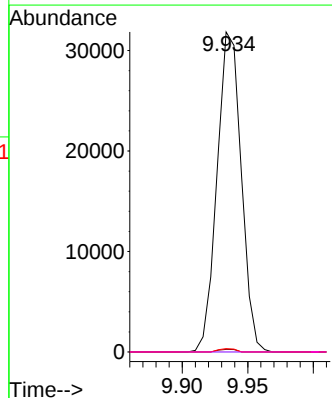
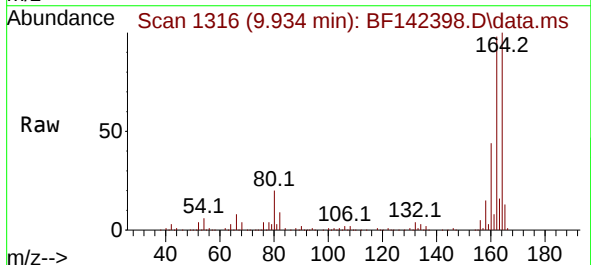
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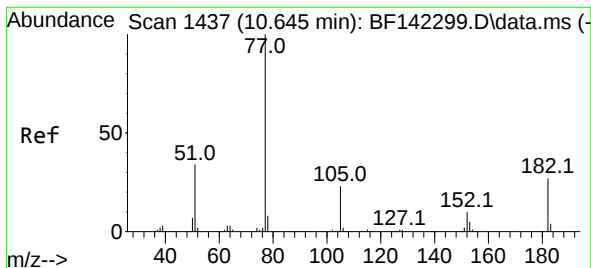
Tgt Ion:165 Resp: 40862
Ion Ratio Lower Upper
165 100
63 0.8 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.285 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.194 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:165 Resp: 40862
Ion Ratio Lower Upper
165 100
63 0.8 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.892 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-17

Tgt Ion: 77 Resp: 56679

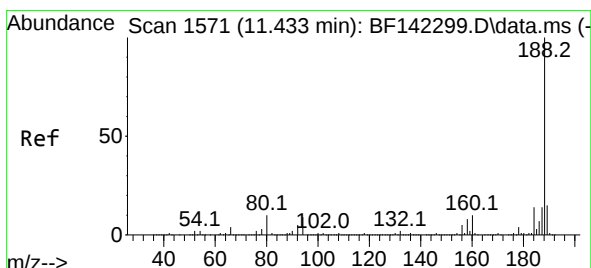
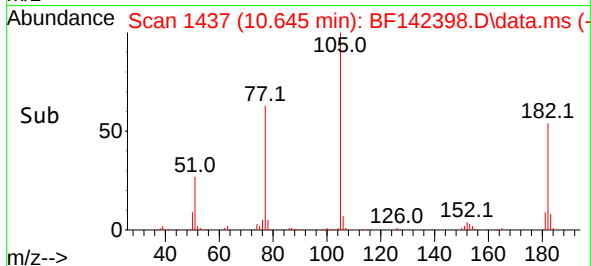
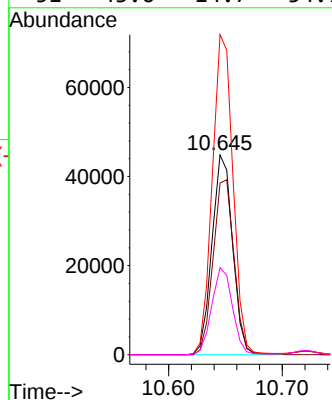
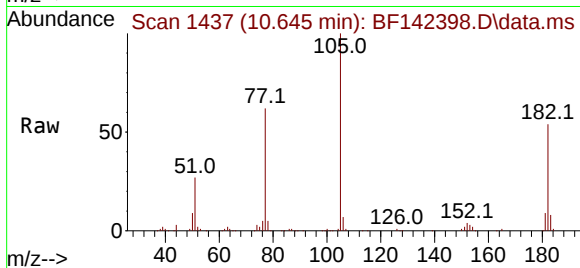
Ion Ratio Lower Upper

77 100

182 86.0 6.9 46.9#

105 160.3 2.7 42.7#

51 43.6 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

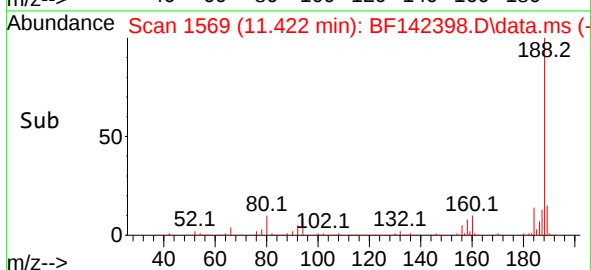
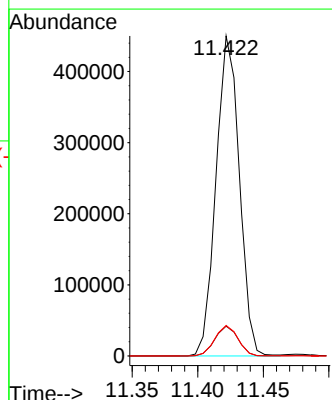
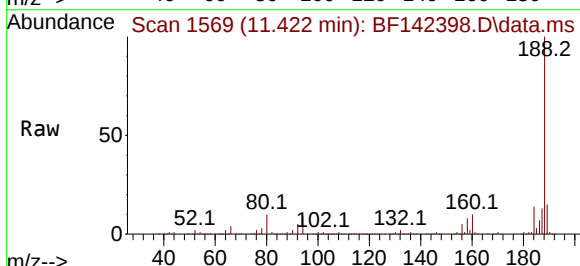
Tgt Ion:188 Resp: 556086

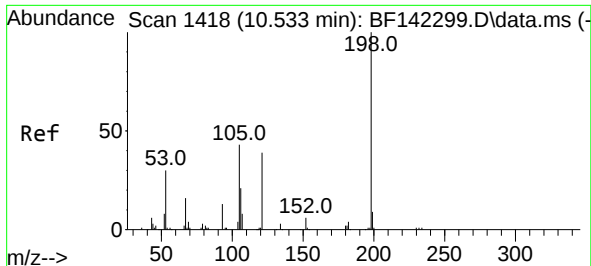
Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.6 7.9 11.9

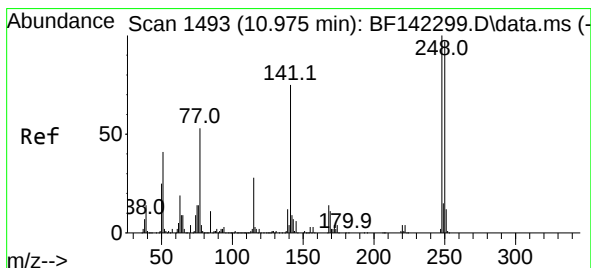
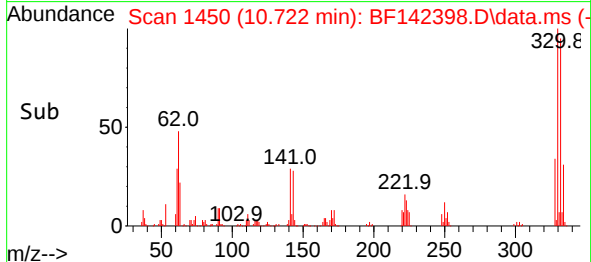
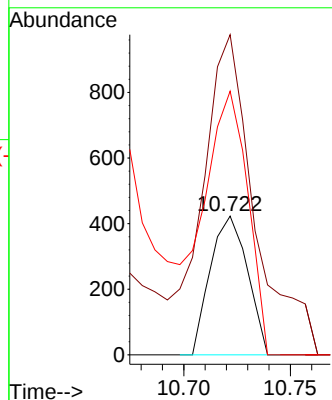
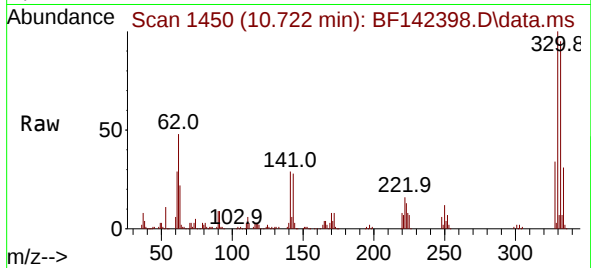




#65
4,6-Dinitro-2-methylphenol
Concen: 7.354 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

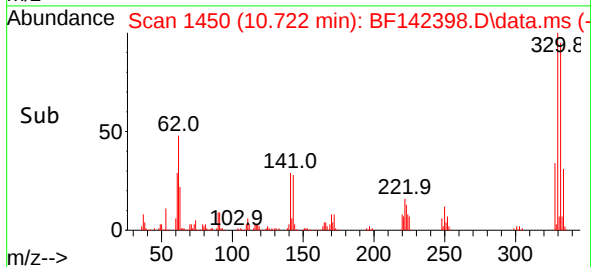
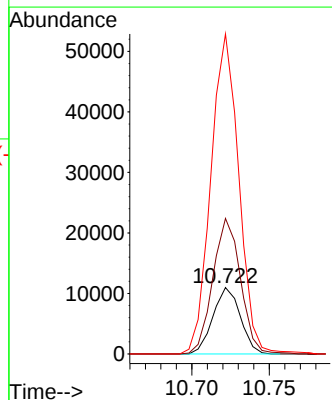
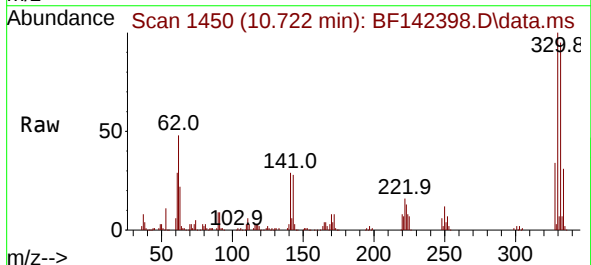
Instrument :
BNA_F
ClientSampleId :
TP-17

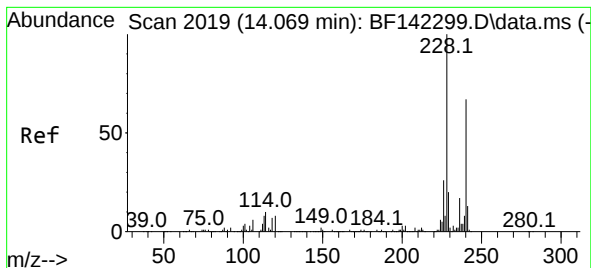
Tgt Ion:198 Resp: 514
Ion Ratio Lower Upper
198 100
51 230.7 32.9 72.9#
105 190.1 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.138 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142398.D
Acq: 15 May 2025 18:11

Tgt Ion:248 Resp: 13475
Ion Ratio Lower Upper
248 100
250 203.8 77.9 116.9#
141 481.6 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-17

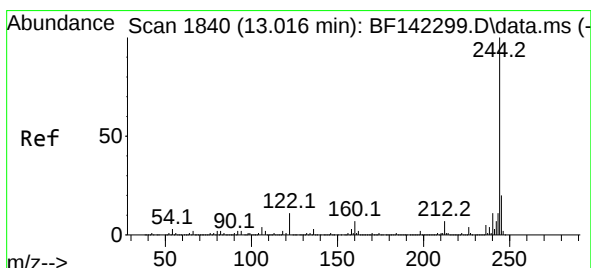
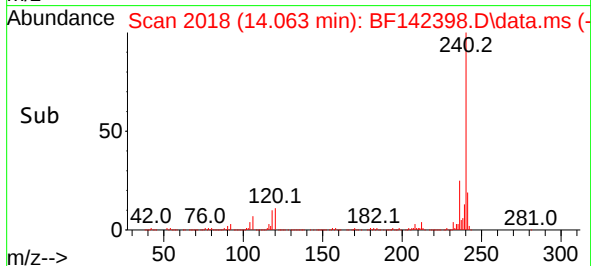
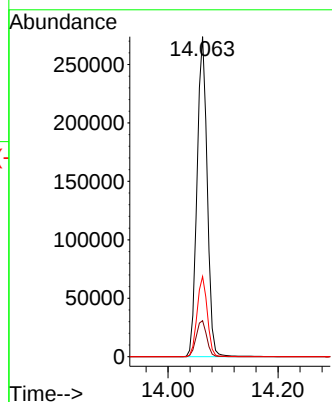
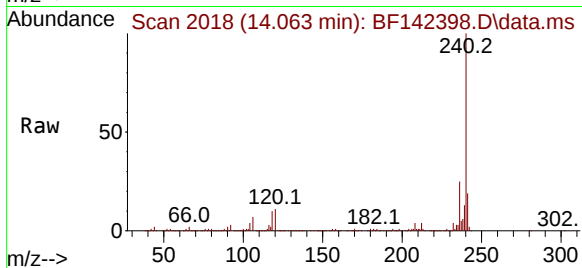
Tgt Ion:240 Resp: 351534

Ion Ratio Lower Upper

240 100

120 11.3 9.7 14.5

236 25.1 20.0 30.0



#79

Terphenyl-d14

Concen: 43.214 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

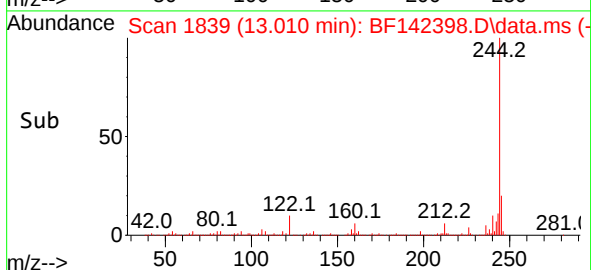
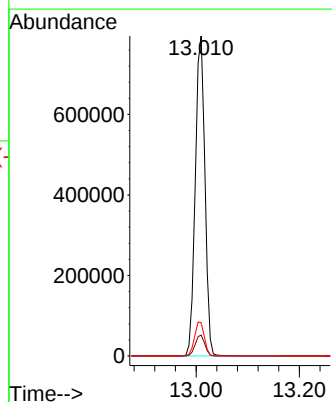
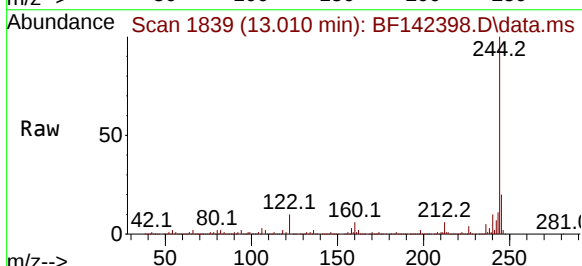
Tgt Ion:244 Resp: 1026362

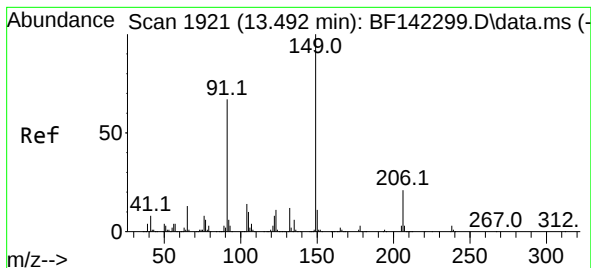
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.4 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.680 ng

RT: 13.474 min Scan# 1921

Delta R.T. -0.018 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

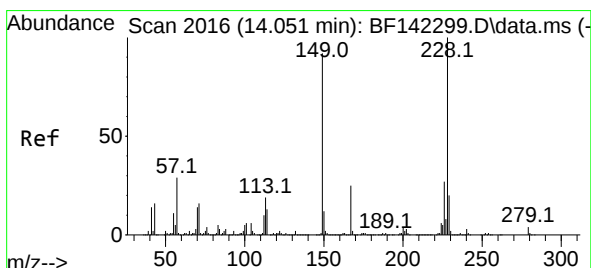
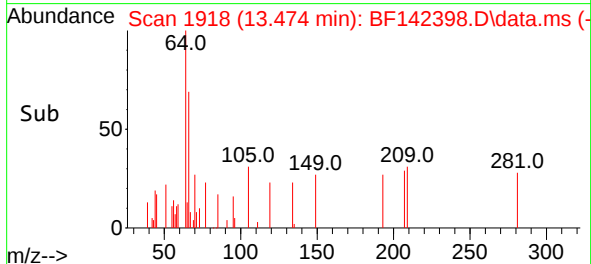
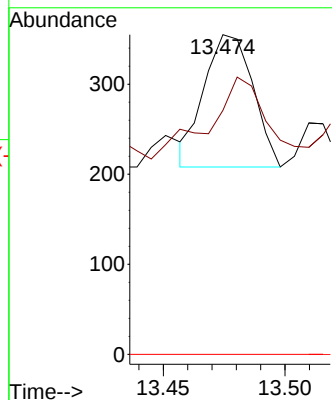
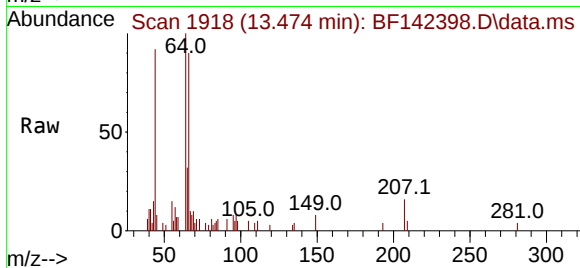
Instrument :

BNA_F

ClientSampleId :

TP-17

Tgt Ion:149	Resp:	205
Ion Ratio	Lower	Upper
149	100	
91	76.3	53.8 80.6
206	0.0	16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.354 ng

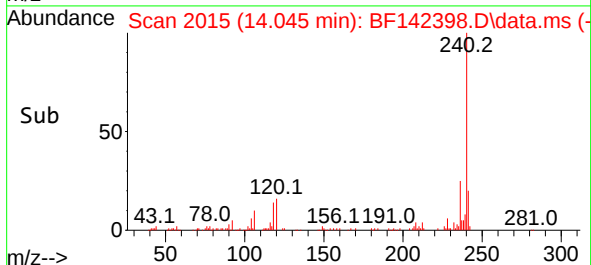
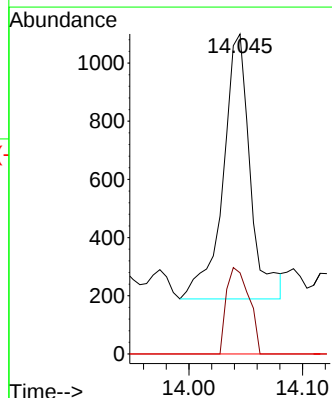
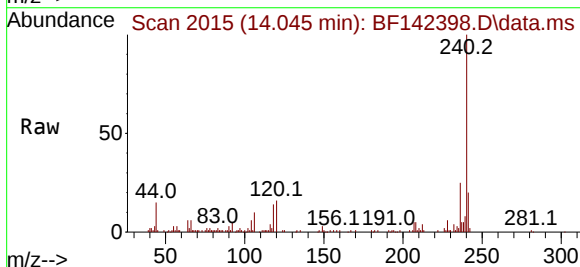
RT: 14.045 min Scan# 2015

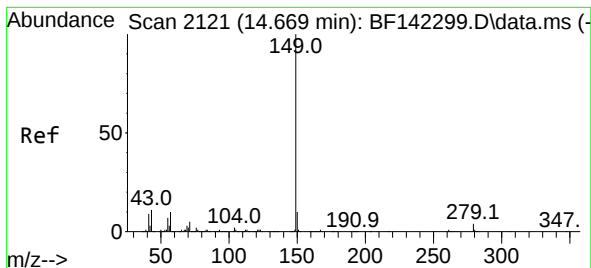
Delta R.T. -0.006 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Tgt Ion:149	Resp:	1520
Ion Ratio	Lower	Upper
149	100	
167	25.4	22.0 33.0
279	0.0	3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.851 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-17

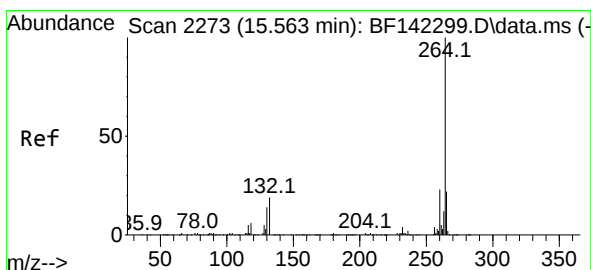
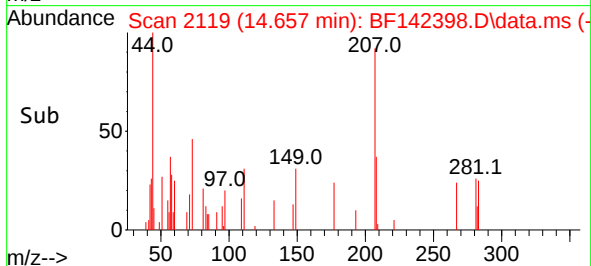
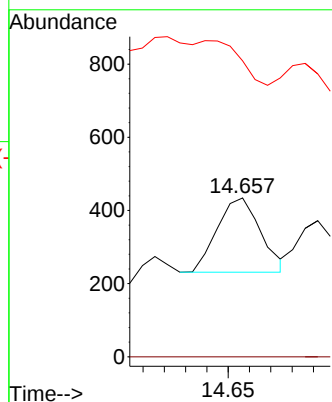
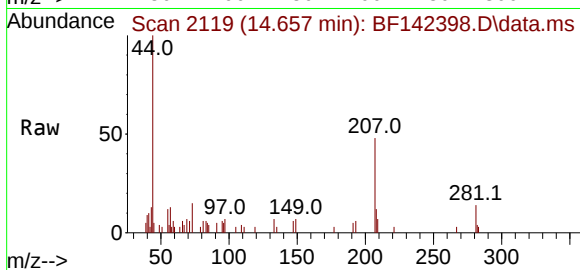
Tgt Ion:149 Resp: 287

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142398.D

Acq: 15 May 2025 18:11

Tgt Ion:264 Resp: 349296

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 22.1 17.5 26.3

