

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142318.D
 Acq On : 12 May 2025 14:15
 Operator : RC/JU
 Sample : Q1986-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

Quant Time: May 12 14:56:27 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)

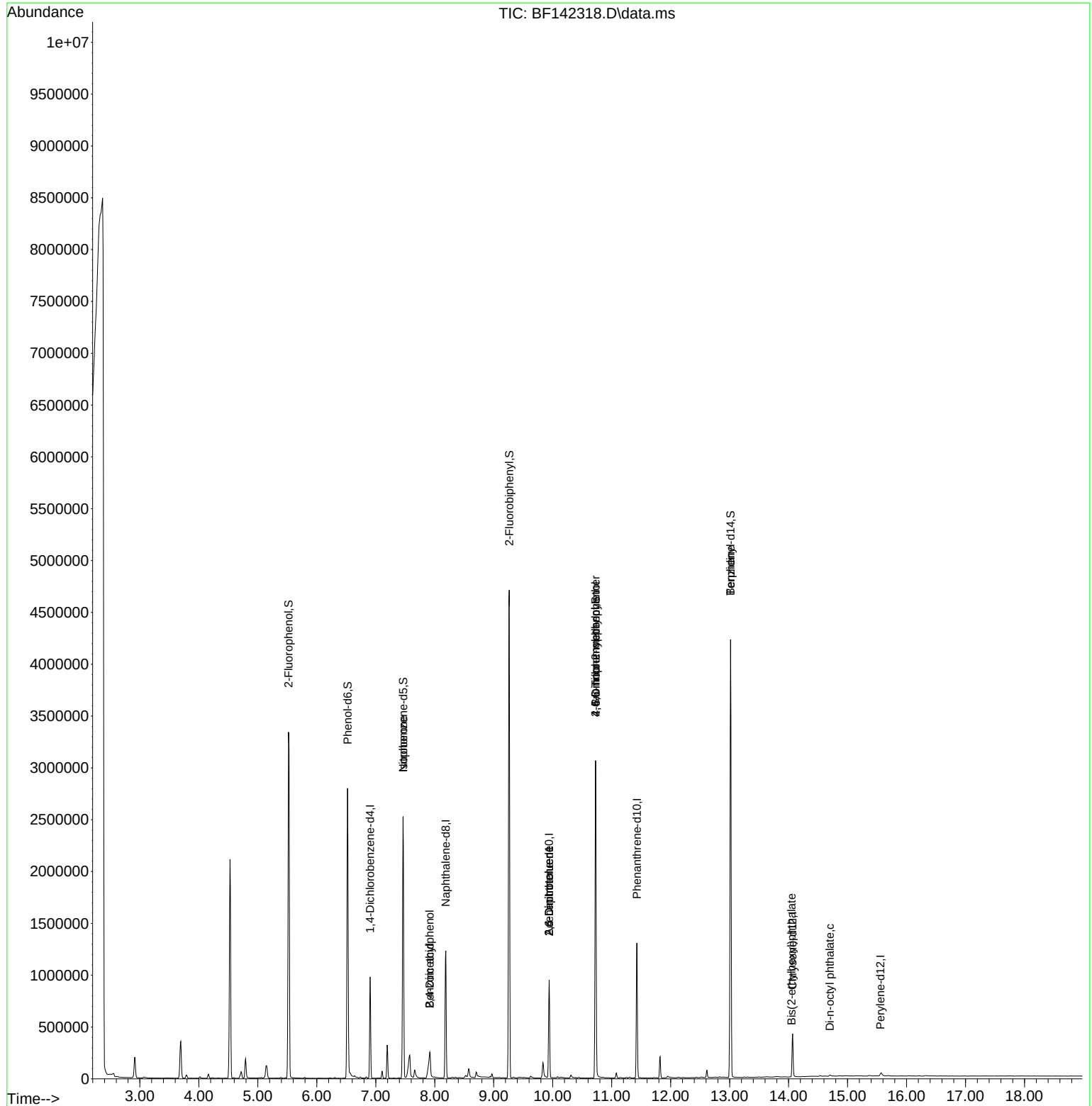
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	203306	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	770315	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	234079	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	592391	20.000	ng	0.00
76) Chrysene-d12	14.069	240	142438	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	7944	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1360459	114.232	ng	0.01
7) Phenol-d6	6.522	99	1074240	73.338	ng	0.00
23) Nitrobenzene-d5	7.463	82	1052757	83.349	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	562956	249.097	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2157802	131.441	ng	0.00
79) Terphenyl-d14	13.016	244	1869748	194.290	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.463	82	1044135	43.654	ng	# 62
27) 2,4-Dimethylphenol	7.916	122	115365	9.593	ng	# 7
32) Benzoic acid	7.916	122	115365	23.152	ng	99
51) 2,6-Dinitrotoluene	9.939	165	30044	10.679	ng	# 25
57) 2,4-Dinitrotoluene	9.939	165	30044	8.325	ng	# 27
65) 4,6-Dinitro-2-methylph...	10.728	198	1128	7.532	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	33698	5.019	ng	# 1
77) Benzidine	13.016	184	24649	9.522	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.051	149	390	4.311	ng	# 52
85) Di-n-octyl phthalate	14.698	149	393	7.878	ng	# 1

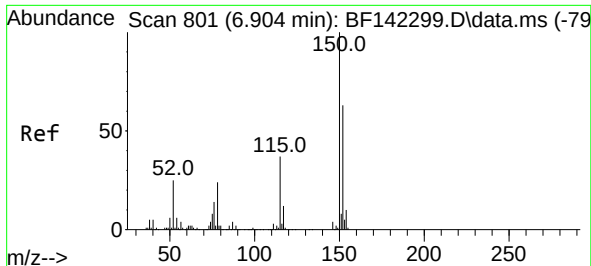
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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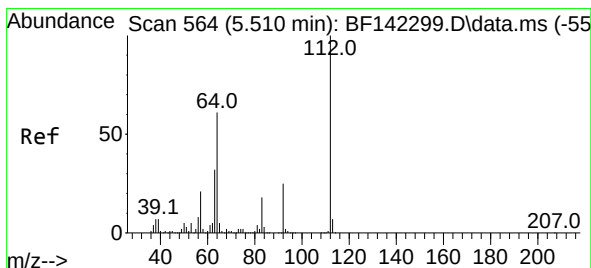
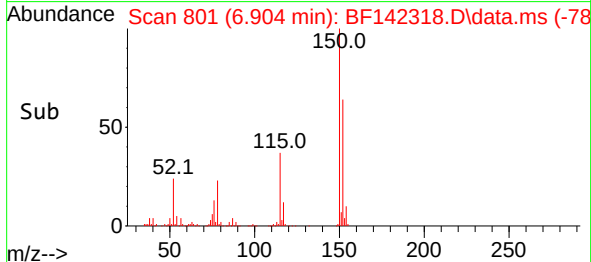
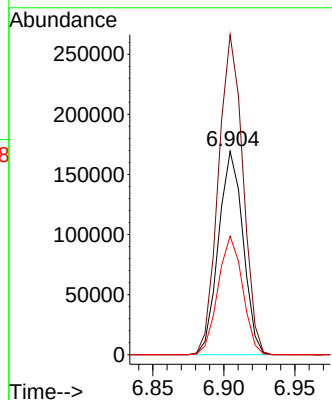
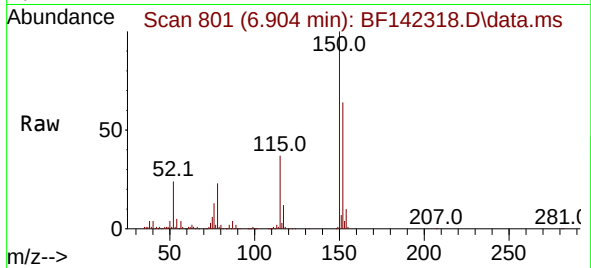




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142318.D
 Acq: 12 May 2025 14:15

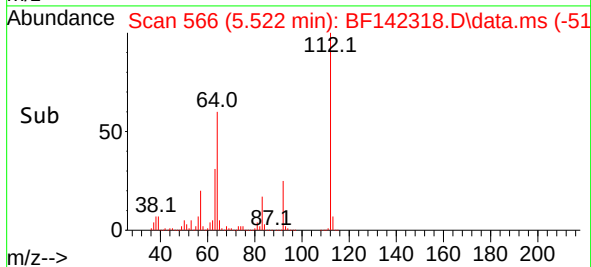
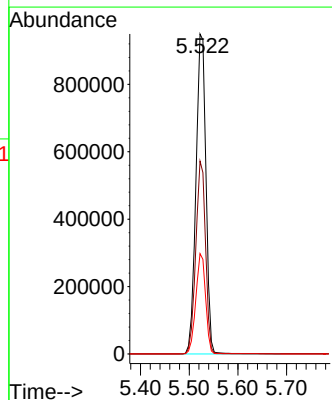
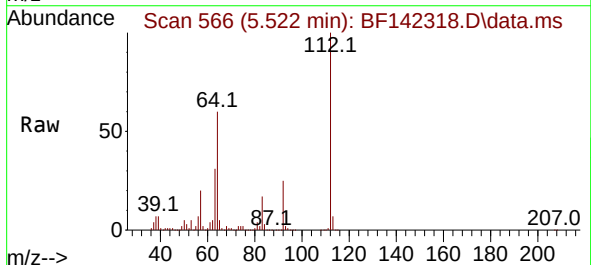
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

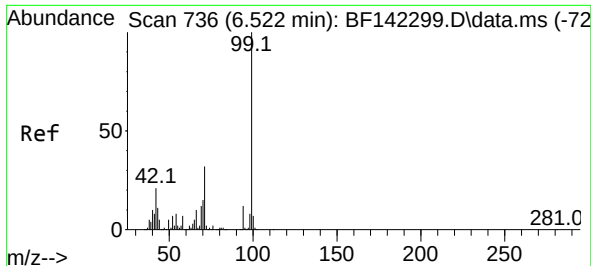
Tgt Ion:152 Resp: 203306
 Ion Ratio Lower Upper
 152 100
 150 157.3 126.6 190.0
 115 58.3 47.3 70.9



#5
 2-Fluorophenol
 Concen: 114.232 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF142318.D
 Acq: 12 May 2025 14:15

Tgt Ion:112 Resp: 1360459
 Ion Ratio Lower Upper
 112 100
 64 60.2 48.9 73.3
 63 31.3 25.6 38.4

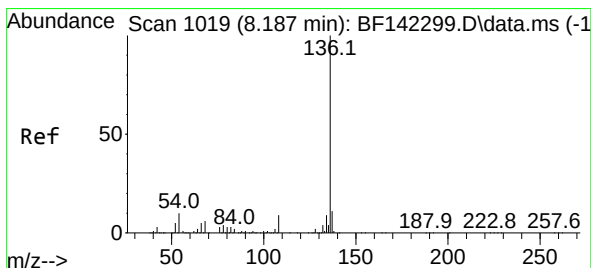
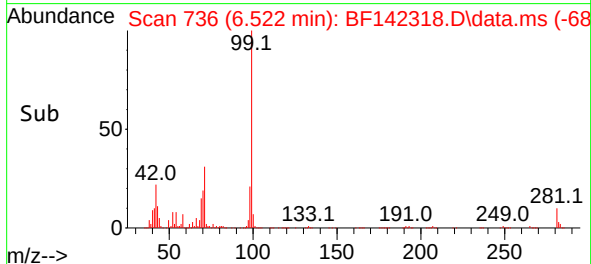
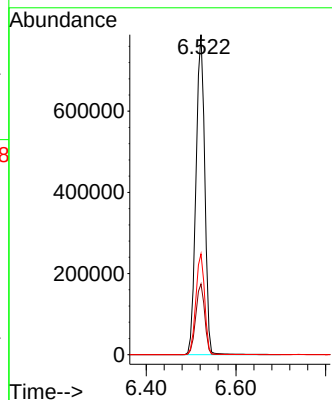
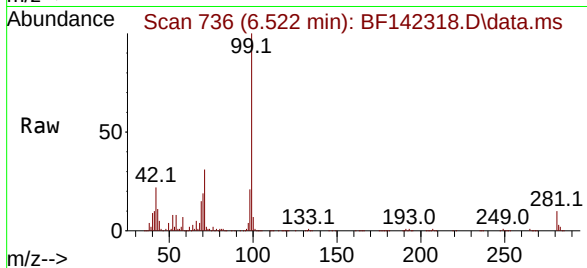




#7
Phenol-d6
Concen: 73.338 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

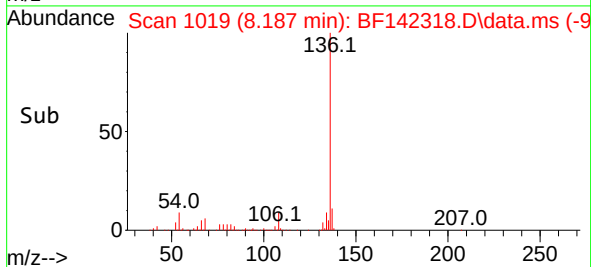
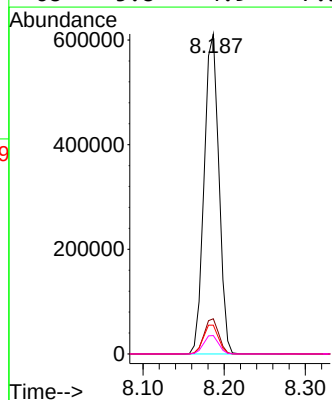
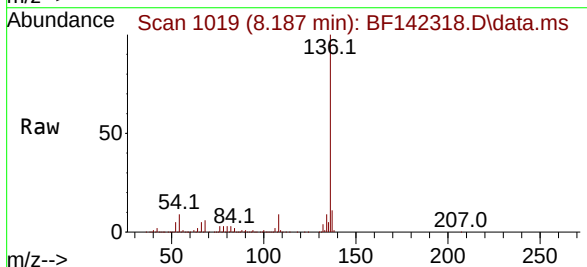
Instrument :
BNA_F
ClientSampleId :
VNJ-218

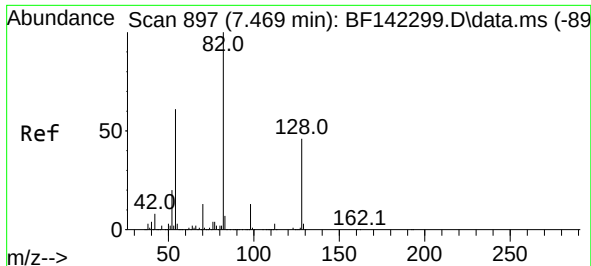
Tgt Ion: 99 Resp: 1074240
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.4
71 31.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:136 Resp: 770315
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.0 7.7 11.5
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 83.349 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

Instrument :

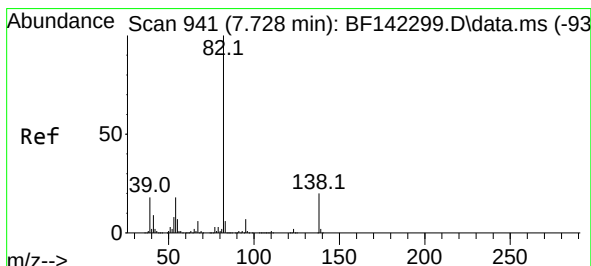
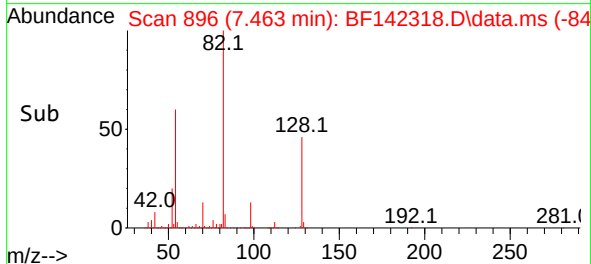
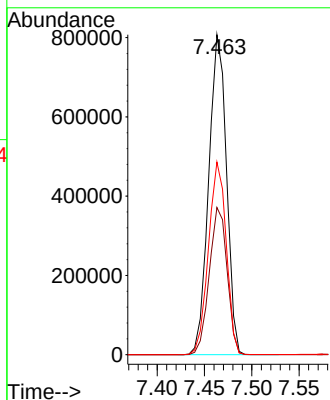
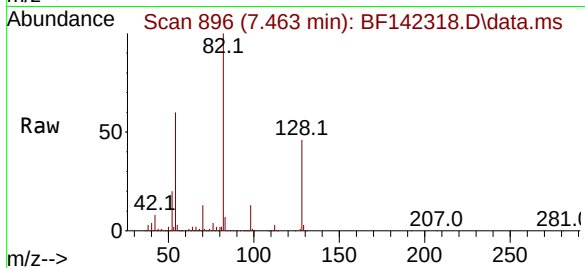
BNA_F

ClientSampleId :

VNJ-218

Tgt Ion: 82 Resp: 1052757

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.6
54	60.2	48.6	73.0



#25

Isophorone

Concen: 43.654 ng

RT: 7.463 min Scan# 896

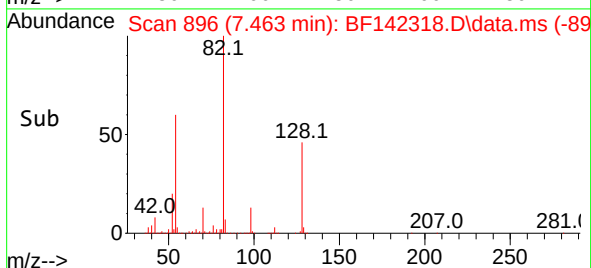
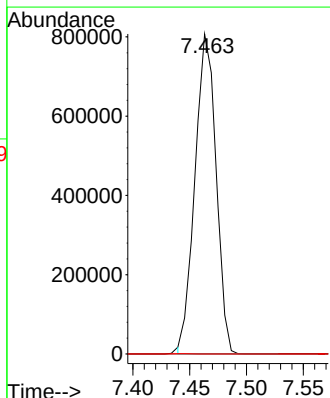
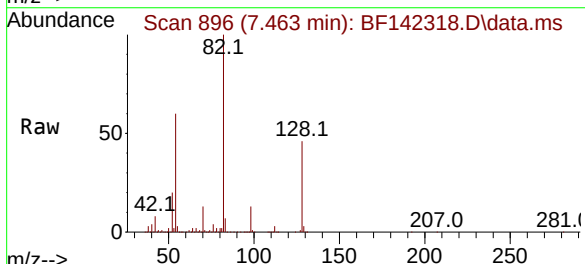
Delta R.T. -0.265 min

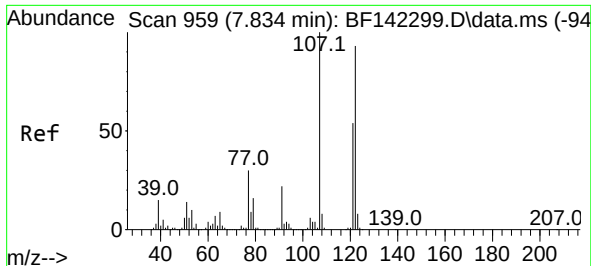
Lab File: BF142318.D

Acq: 12 May 2025 14:15

Tgt Ion: 82 Resp: 1044135

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.8#
138	0.0	16.1	24.1#

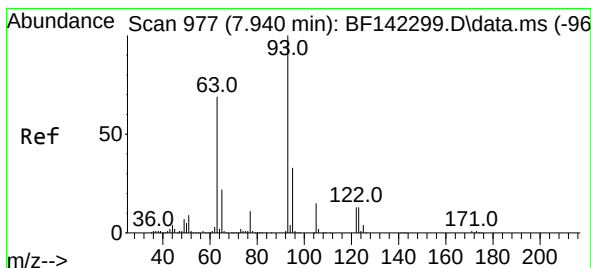
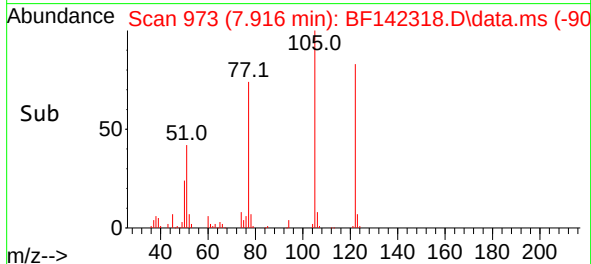
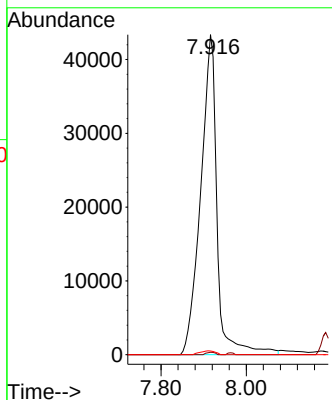
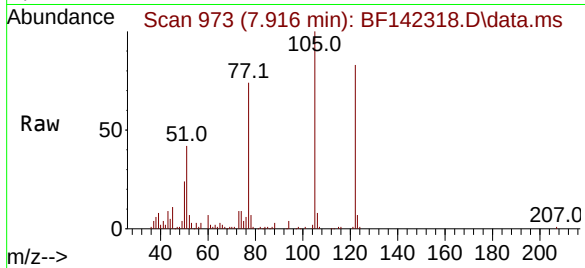




#27
2,4-Dimethylphenol
Concen: 9.593 ng
RT: 7.916 min Scan# 911
Delta R.T. 0.082 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

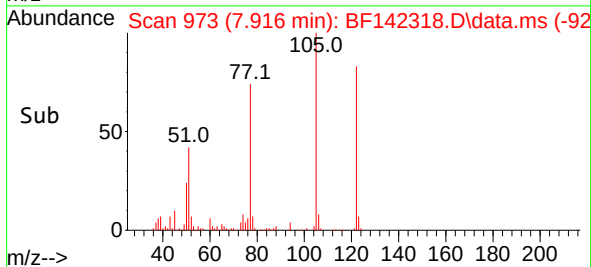
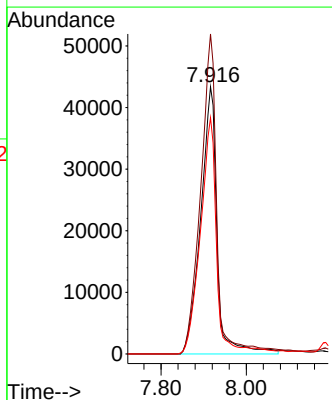
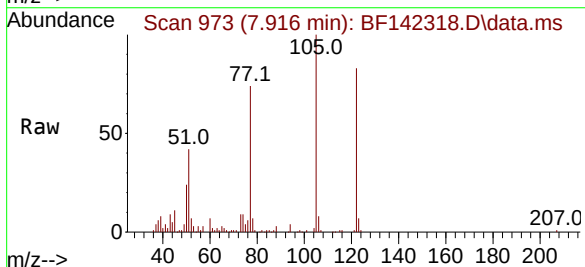
Instrument :
BNA_F
ClientSampleId :
VNJ-218

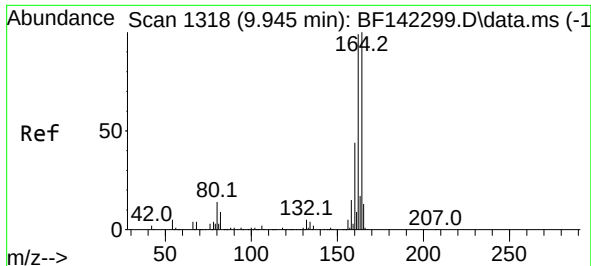
Tgt Ion:122 Resp: 115365
Ion Ratio Lower Upper
122 100
107 0.7 86.0 129.0#
121 1.2 46.2 69.4#



#32
Benzoic acid
Concen: 23.152 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.024 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:122 Resp: 115365
Ion Ratio Lower Upper
122 100
105 119.8 97.9 137.9
77 88.4 67.7 107.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

Instrument :

BNA_F

ClientSampleId :

VNJ-218

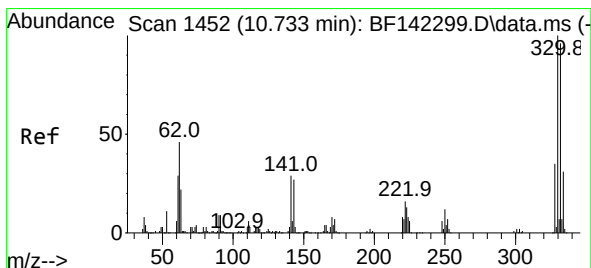
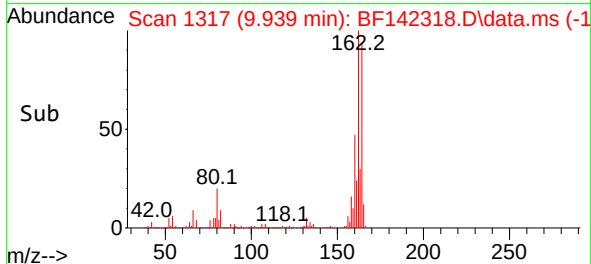
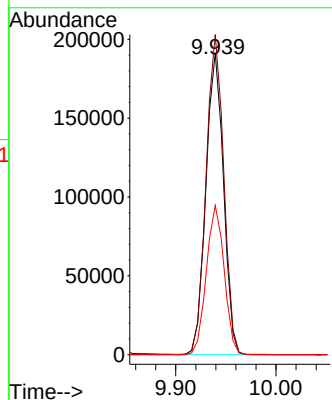
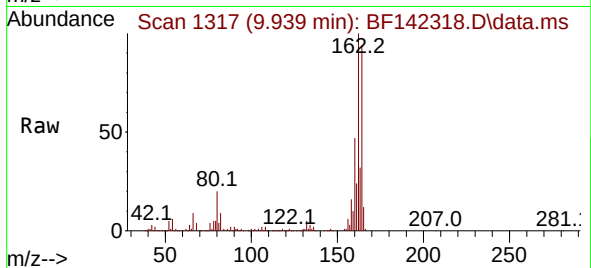
Tgt Ion:164 Resp: 234079

Ion Ratio Lower Upper

164 100

162 106.1 79.2 118.8

160 49.4 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 249.097 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

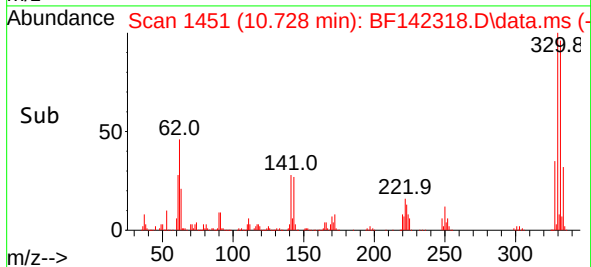
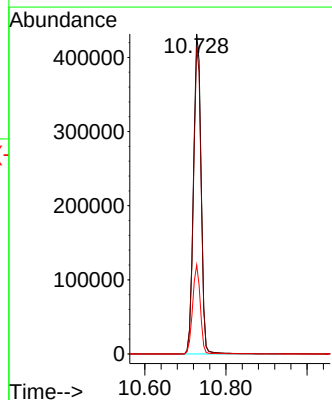
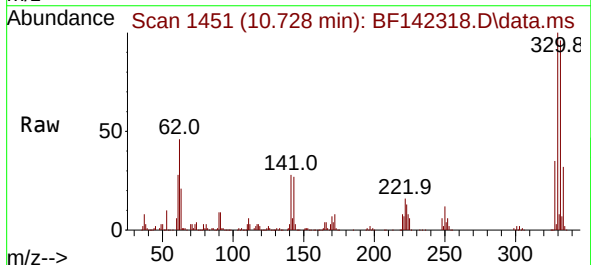
Tgt Ion:330 Resp: 562956

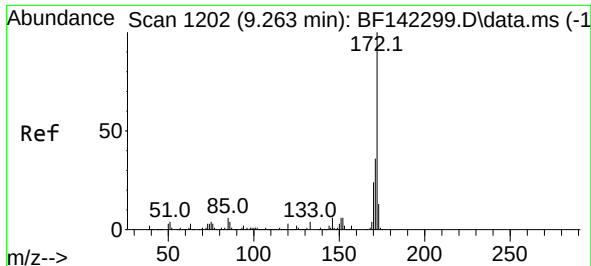
Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

141 27.8 24.9 37.3

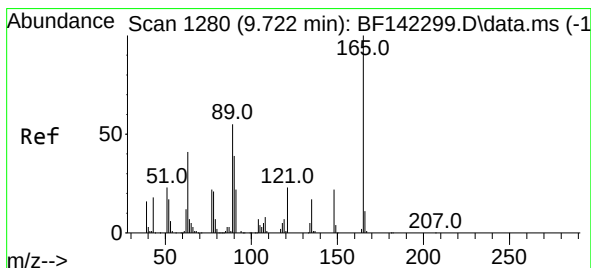
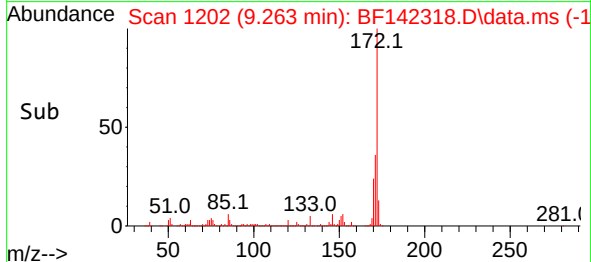
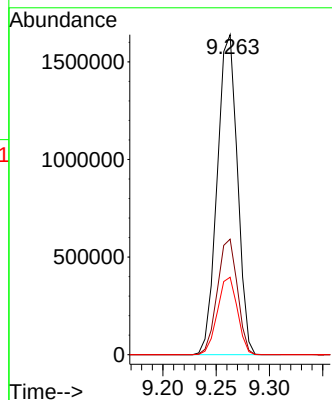
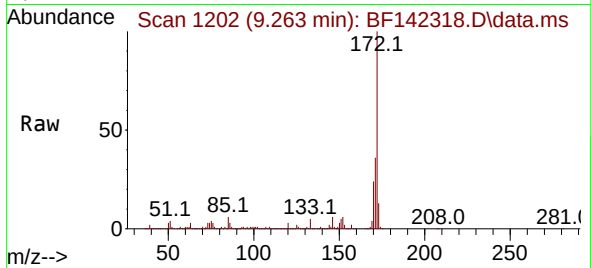




#45
2-Fluorobiphenyl
Concen: 131.441 ng
RT: 9.263 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

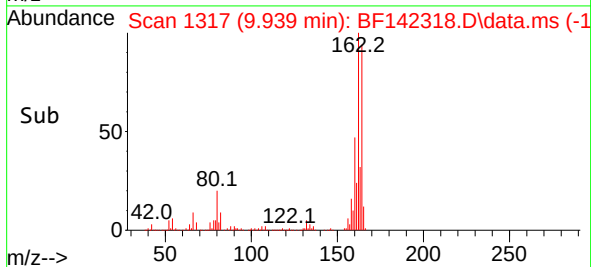
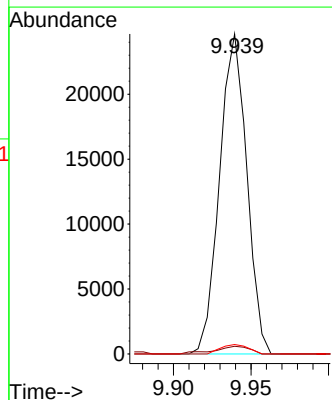
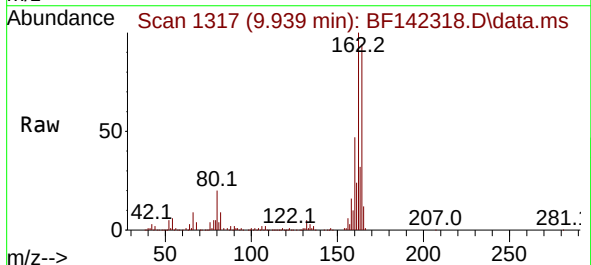
Instrument :
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VNJ-218

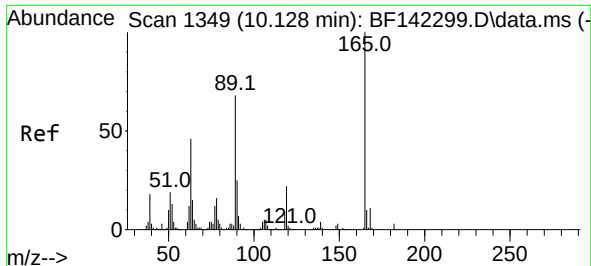
Tgt Ion:172 Resp: 2157802
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 24.2 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.679 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

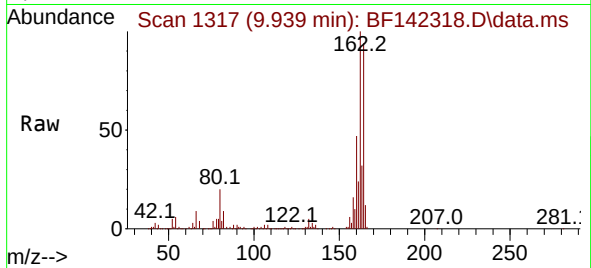
Tgt Ion:165 Resp: 30044
Ion Ratio Lower Upper
165 100
63 2.4 49.5 74.3#
89 3.0 44.6 66.8#



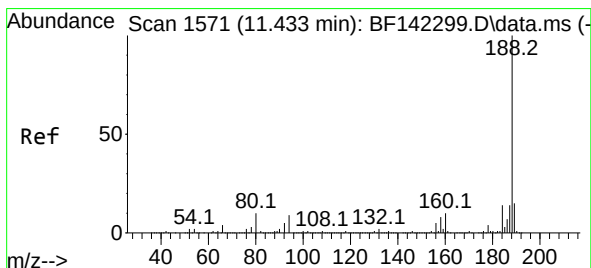
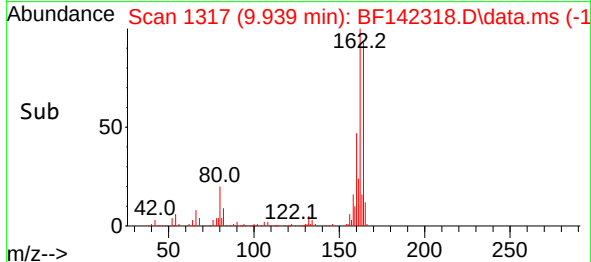
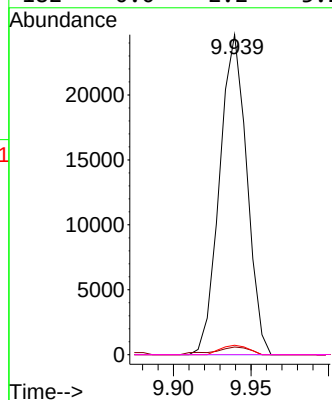


#57
2,4-Dinitrotoluene
Concen: 8.325 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

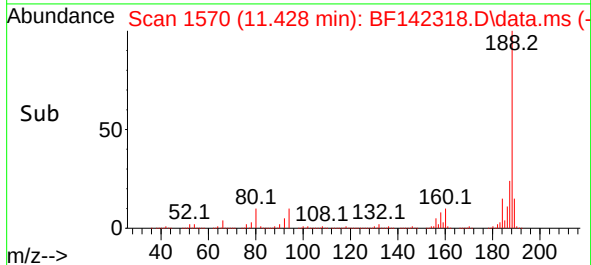
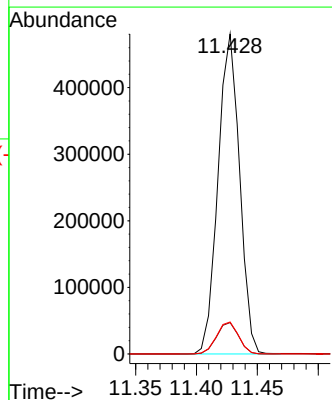
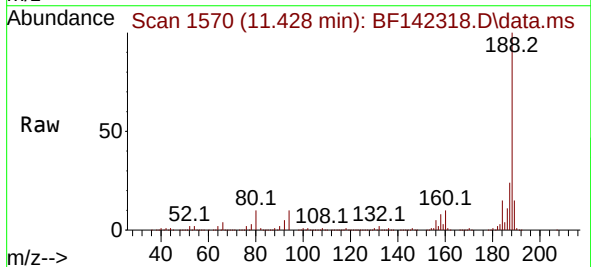


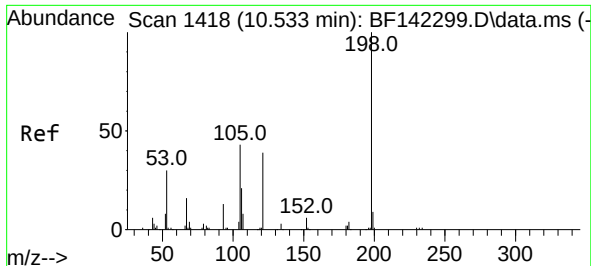
Tgt Ion:165 Resp: 30044
Ion Ratio Lower Upper
165 100
63 2.4 37.1 55.7#
89 3.0 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:188 Resp: 592391
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.0 7.9 11.9

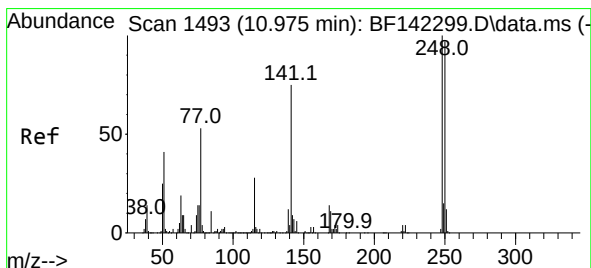
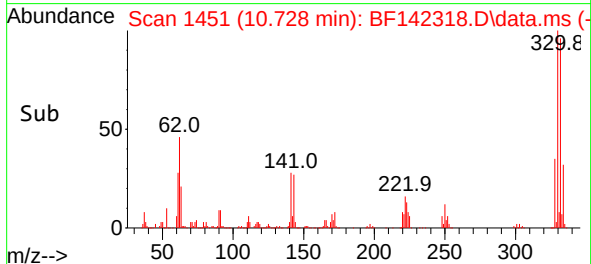
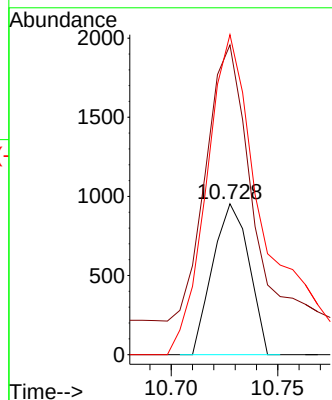
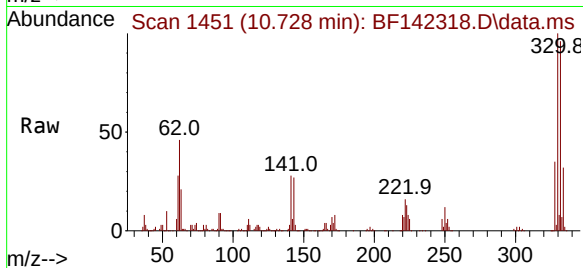




#65
4,6-Dinitro-2-methylphenol
Concen: 7.532 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

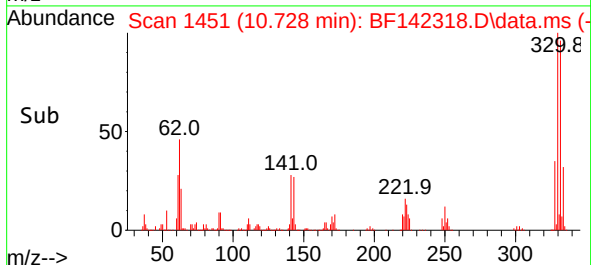
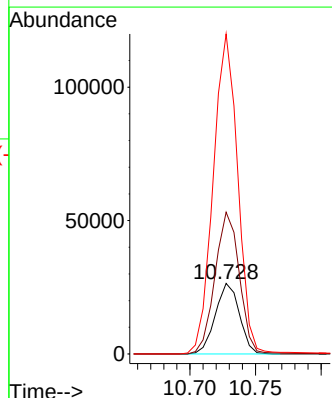
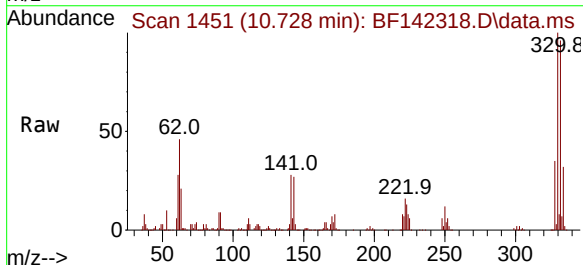
Instrument :
BNA_F
ClientSampleId :
VNJ-218

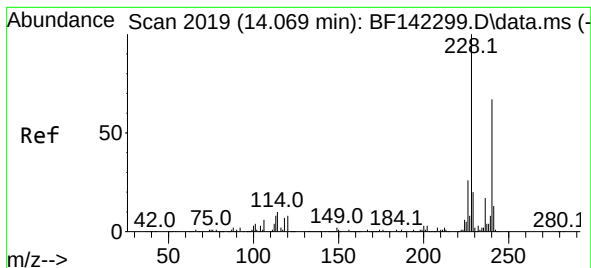
Tgt Ion:198 Resp: 1128
Ion Ratio Lower Upper
198 100
51 205.4 32.9 72.9#
105 212.2 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 5.019 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:248 Resp: 33698
Ion Ratio Lower Upper
248 100
250 201.1 77.9 116.9#
141 454.0 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

Instrument :

BNA_F

ClientSampleId :

VNJ-218

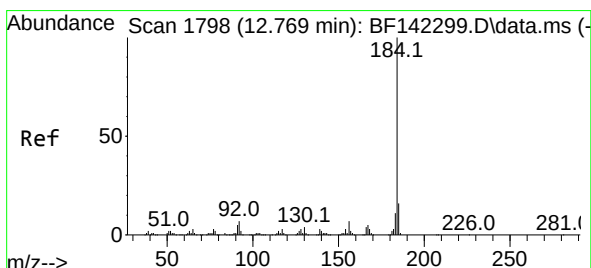
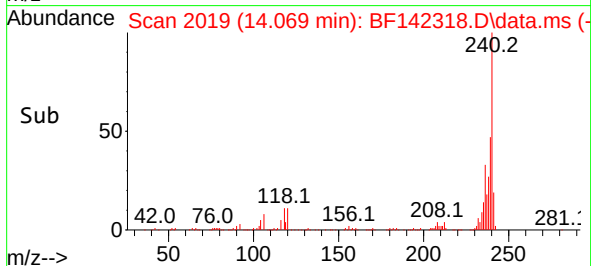
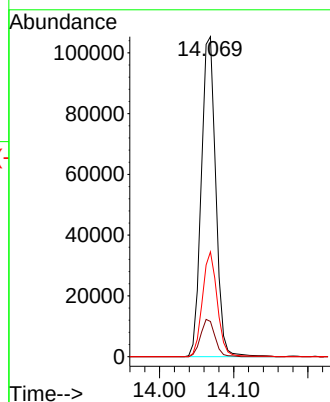
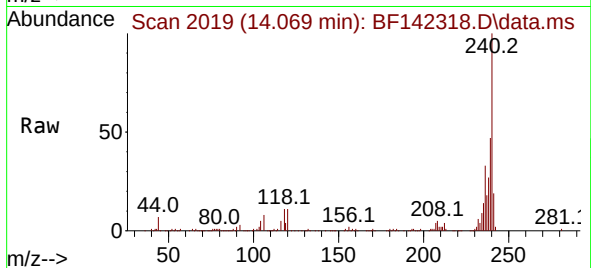
Tgt Ion:240 Resp: 142438

Ion Ratio Lower Upper

240 100

120 11.0 9.7 14.5

236 32.7 20.0 30.0#



#77

Benzidine

Concen: 9.522 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

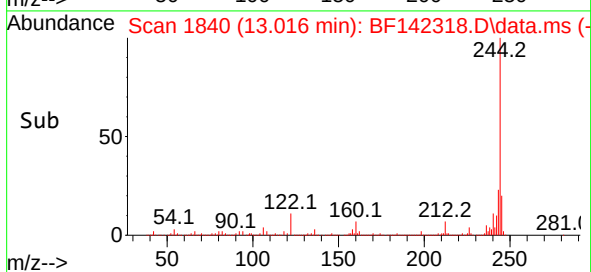
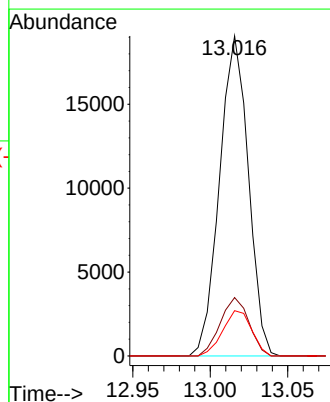
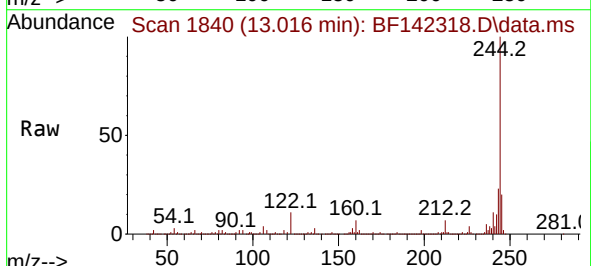
Tgt Ion:184 Resp: 24649

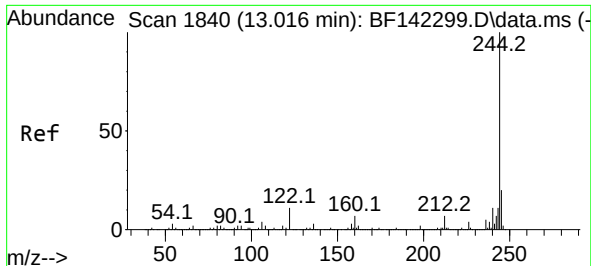
Ion Ratio Lower Upper

184 100

185 18.3 12.6 18.8

183 14.2 8.6 12.8#

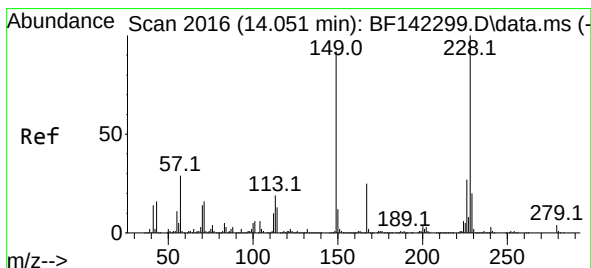
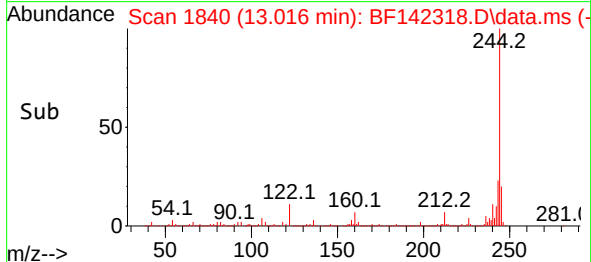
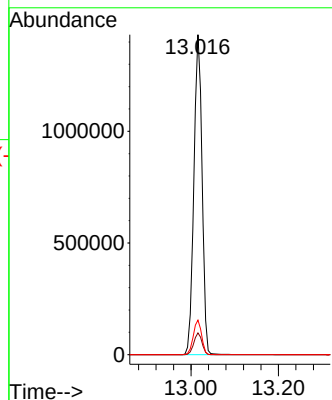
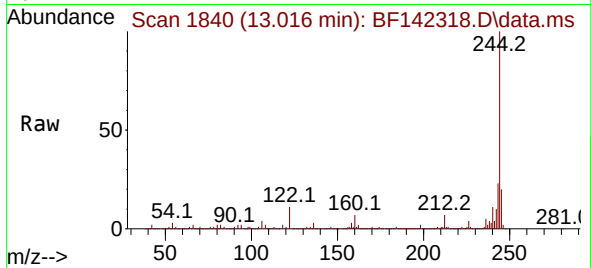




#79
 Terphenyl-d14
 Concen: 194.290 ng
 RT: 13.016 min Scan# 1840
 Delta R.T. 0.000 min
 Lab File: BF142318.D
 Acq: 12 May 2025 14:15

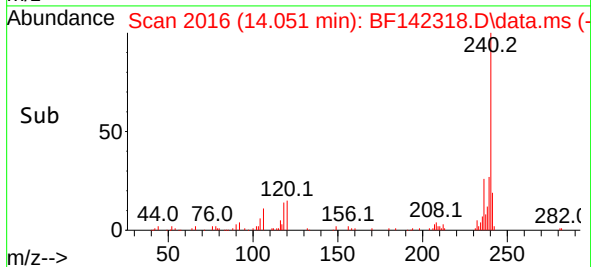
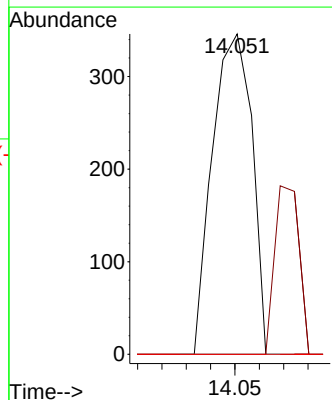
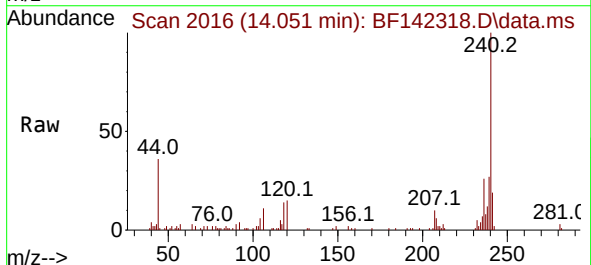
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

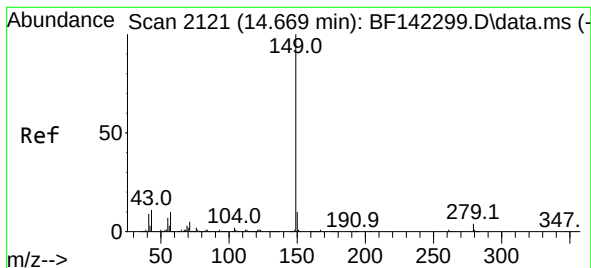
Tgt Ion:244 Resp: 1869748
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.8 9.0 13.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.311 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: BF142318.D
 Acq: 12 May 2025 14:15

Tgt Ion:149 Resp: 390
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.0 33.0#
 279 0.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.878 ng

RT: 14.698 min Scan# 2121

Delta R.T. 0.029 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

Instrument :

BNA_F

ClientSampleId :

VNJ-218

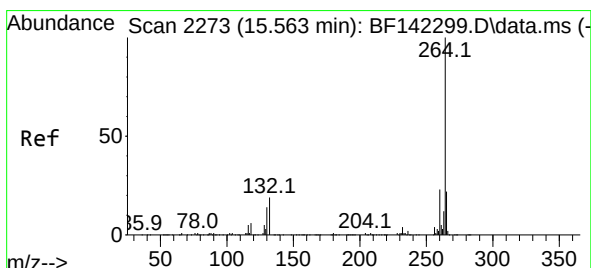
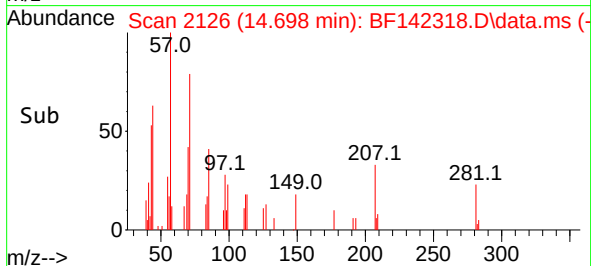
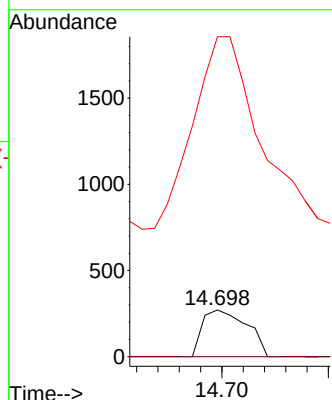
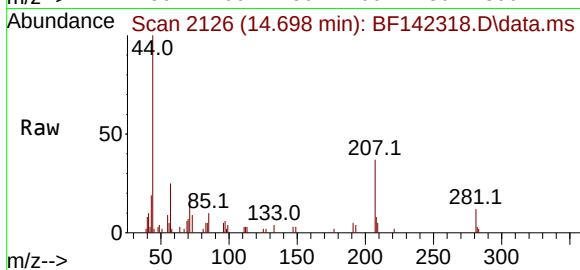
Tgt Ion:149 Resp: 393

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 742.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142318.D

Acq: 12 May 2025 14:15

Tgt Ion:264 Resp: 7944

Ion Ratio Lower Upper

264 100

260 39.5 18.6 27.8#

265 20.4 17.5 26.3

