

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
 Data File : BF143374.D
 Acq On : 13 Aug 2025 14:42
 Operator : RC/JU
 Sample : Q2831-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-238

Quant Time: Aug 13 15:15:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

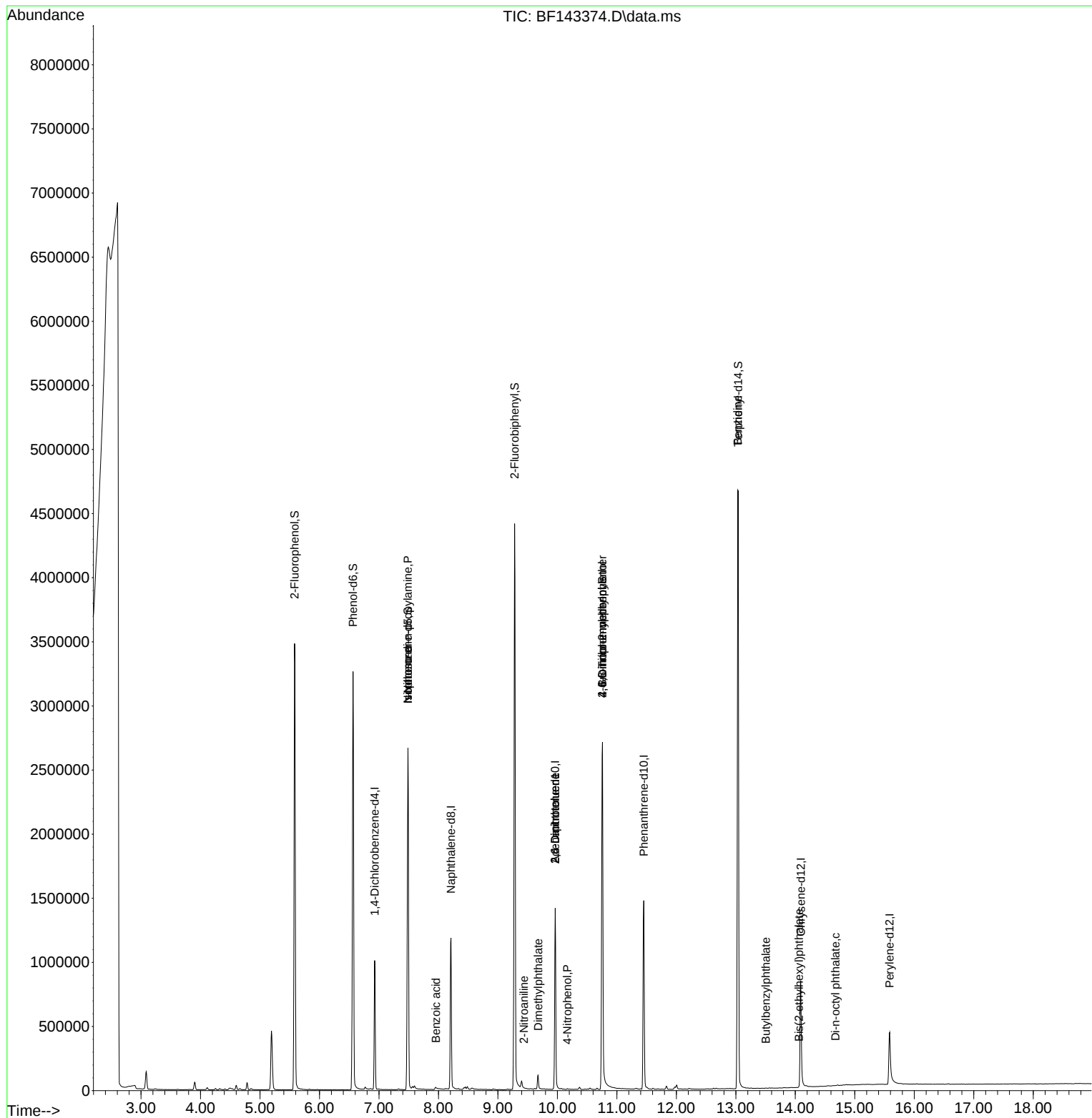
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	202512	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	799504	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	444222	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	765361	20.000	ng	0.00
76) Chrysene-d12	14.092	240	500082	20.000	ng	0.00
86) Perylene-d12	15.586	264	363143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1364376	116.505	ng	0.02
7) Phenol-d6	6.563	99	1613961	107.470	ng	0.00
23) Nitrobenzene-d5	7.487	82	1254237	97.693	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	584897	180.164	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	2202464	84.076	ng	0.00
79) Terphenyl-d14	13.039	244	2682269	95.759	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	170226	18.344	ng	# 80
25) Isophorone	7.487	82	1215276	46.368	ng	# 65
32) Benzoic acid	7.957	122	2032	3.984	ng	91
48) 2-Nitroaniline	9.439	65	247	2.798	ng	# 6
50) Dimethylphthalate	9.675	163	71647	2.760	ng	100
51) 2,6-Dinitrotoluene	9.963	165	56418	13.740	ng	# 21
56) 4-Nitrophenol	10.169	139	475	5.581	ng	# 5
57) 2,4-Dinitrotoluene	9.963	165	56753	11.174	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	1253	7.604	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	36472	4.167	ng	# 1
77) Benzidine	13.033	184	30098	2.201	ng	# 94
80) Butylbenzylphthalate	13.504	149	889	3.450	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.063	149	3408	4.246	ng	# 93
85) Di-n-octyl phthalate	14.674	149	221	6.033	ng	# 1

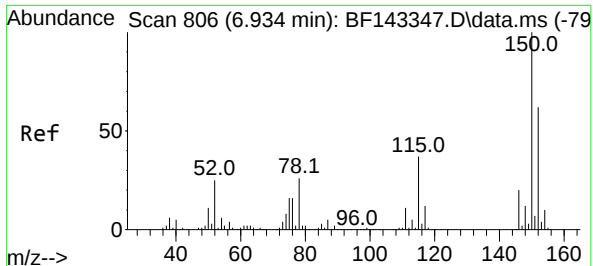
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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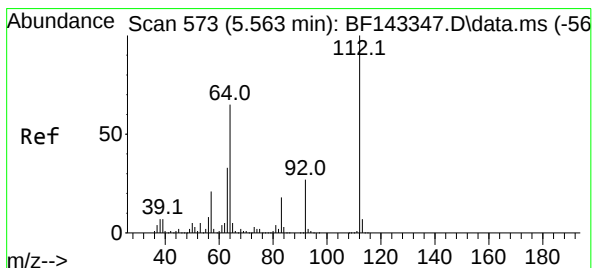
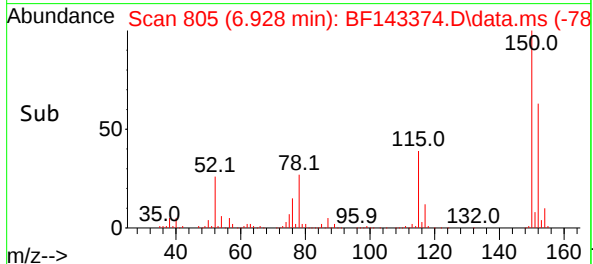
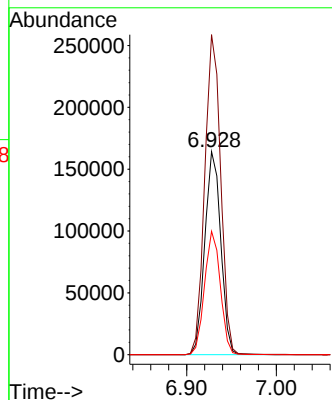
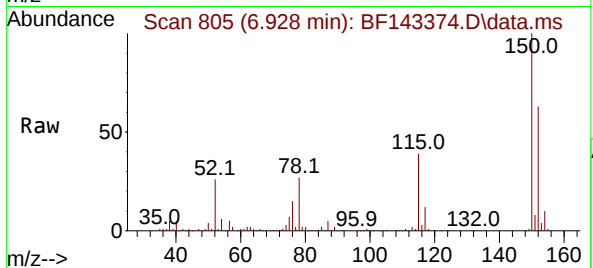




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF143374.D
 Acq: 13 Aug 2025 14:42

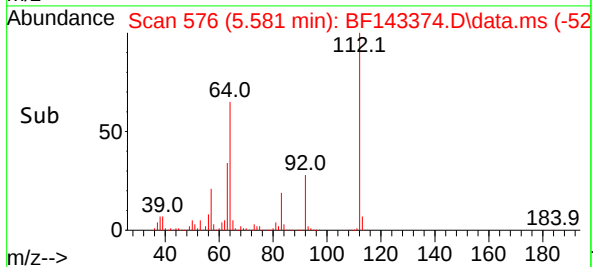
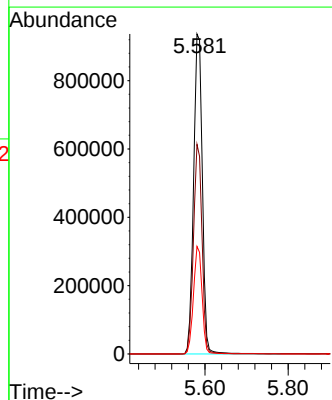
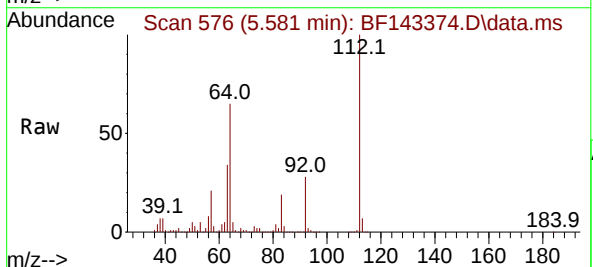
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-238

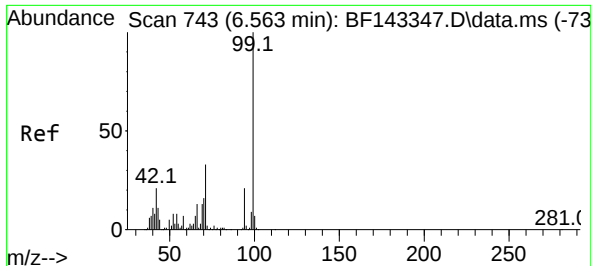
Tgt Ion:152 Resp: 202512
 Ion Ratio Lower Upper
 152 100
 150 157.6 129.8 194.8
 115 60.8 47.8 71.8



#5
 2-Fluorophenol
 Concen: 116.505 ng
 RT: 5.581 min Scan# 576
 Delta R.T. 0.018 min
 Lab File: BF143374.D
 Acq: 13 Aug 2025 14:42

Tgt Ion:112 Resp: 1364376
 Ion Ratio Lower Upper
 112 100
 64 65.5 52.1 78.1
 63 33.6 26.6 39.8



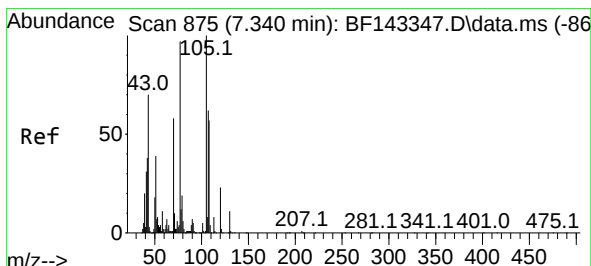
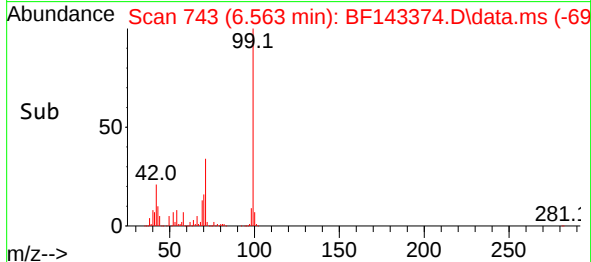
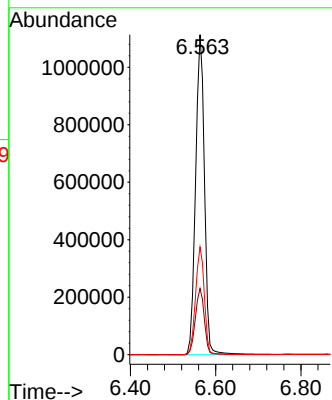
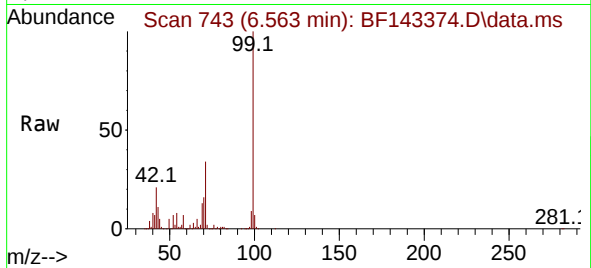


#7
Phenol-d6
Concen: 107.470 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Instrument :
BNA_F
ClientSampleId :
VNJ-238

Tgt Ion: 99 Resp: 1613961

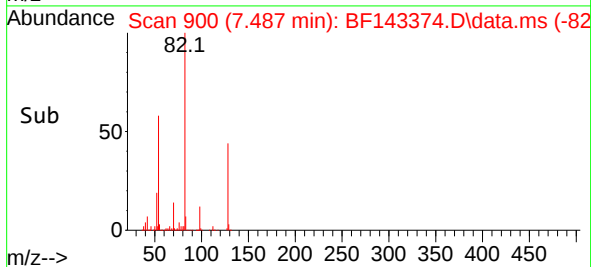
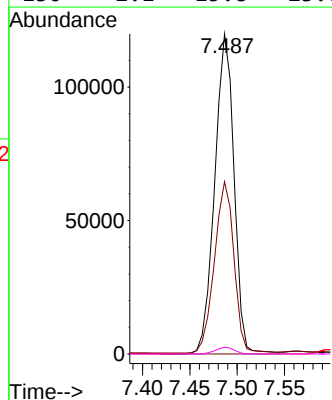
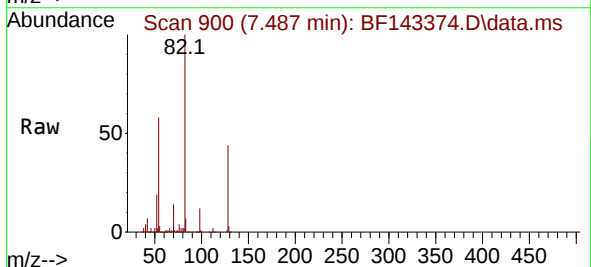
Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	25.0
71	33.7	26.2	39.2

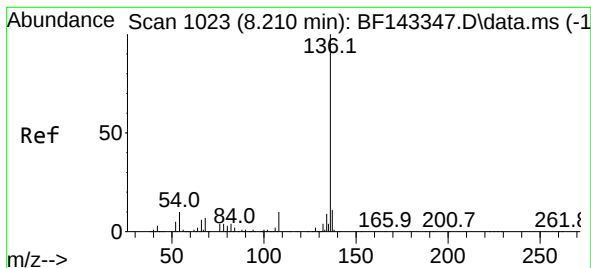


#19
n-Nitroso-di-n-propylamine
Concen: 18.344 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion: 70 Resp: 170226

Ion	Ratio	Lower	Upper
70	100		
42	53.9	51.6	77.4
101	0.0	7.5	11.3#
130	2.1	15.8	23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

Instrument :

BNA_F

ClientSampleId :

VNJ-238

Tgt Ion:136 Resp: 799504

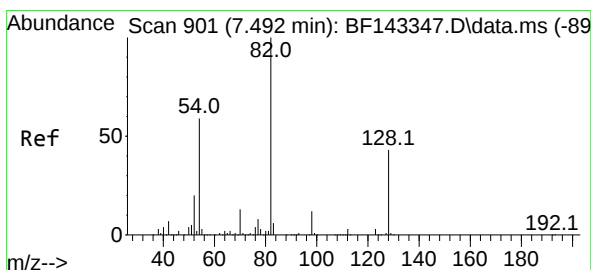
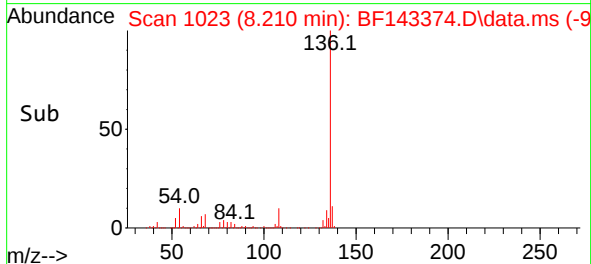
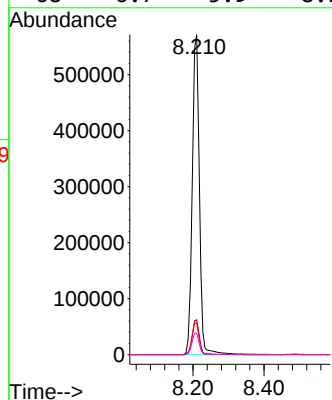
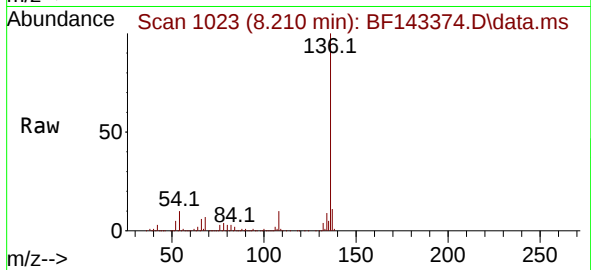
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.8 8.4 12.6

68 6.7 5.9 8.9



#23

Nitrobenzene-d5

Concen: 97.693 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

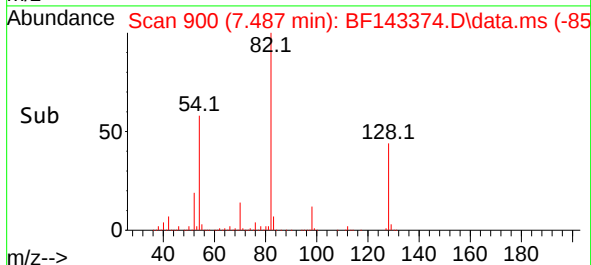
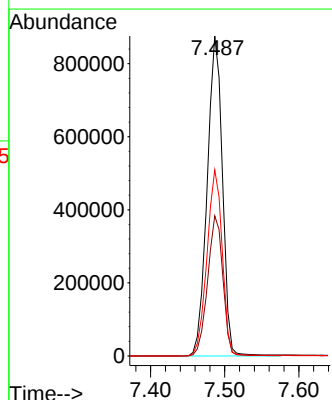
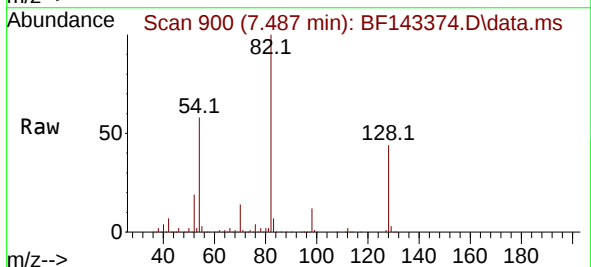
Tgt Ion: 82 Resp: 1254237

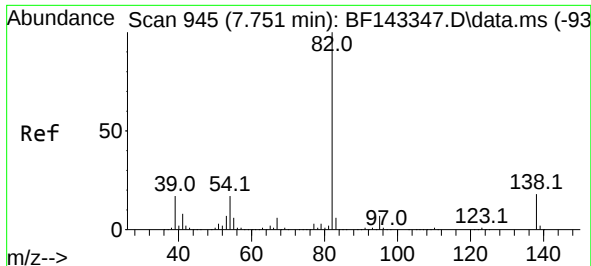
Ion Ratio Lower Upper

82 100

128 43.8 33.5 50.3

54 58.2 46.7 70.1

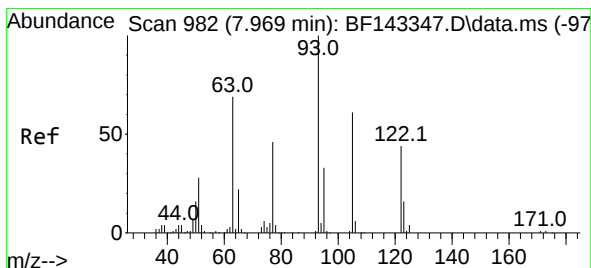
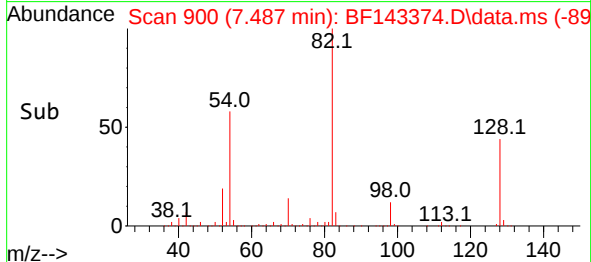
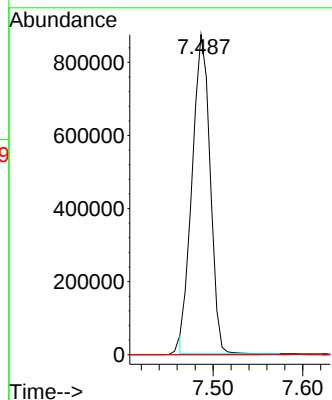
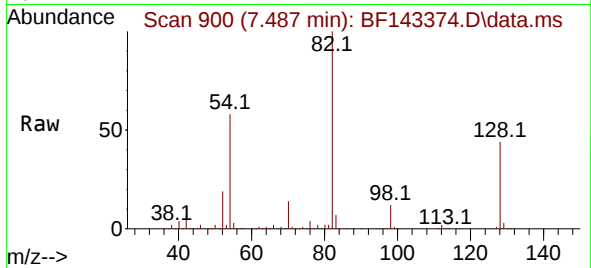




#25
Isophorone
Concen: 46.368 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

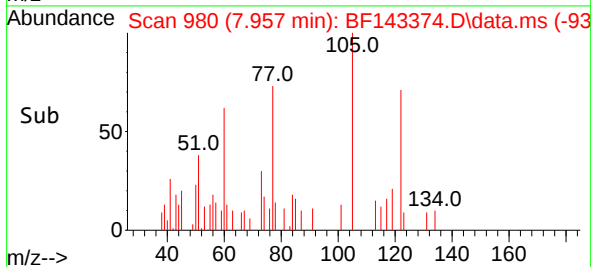
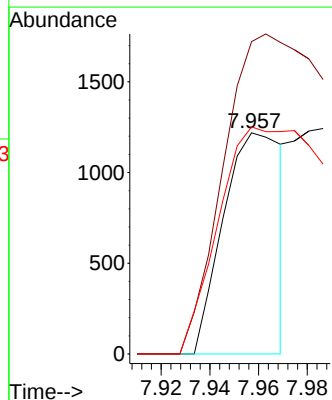
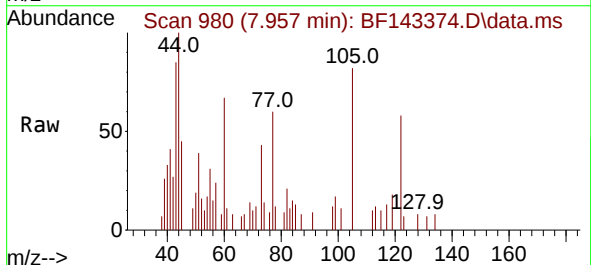
Instrument :
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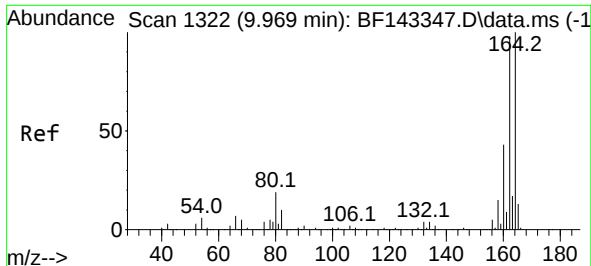
Tgt Ion: 82 Resp: 1215276
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.984 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.012 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion:122 Resp: 2032
Ion Ratio Lower Upper
122 100
105 141.3 106.4 146.4
77 102.7 79.2 119.2

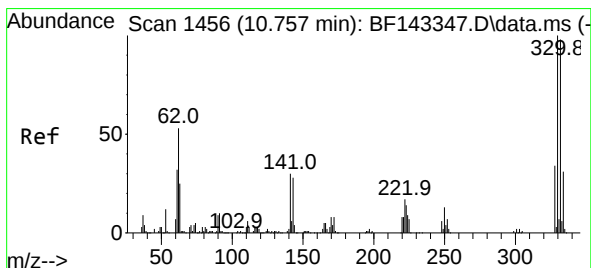
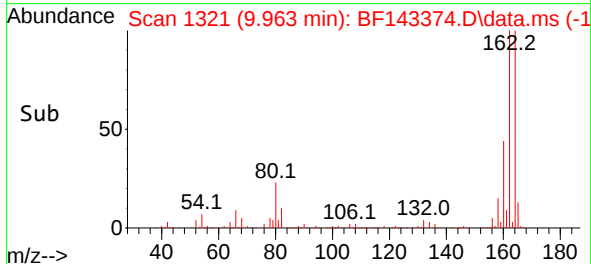
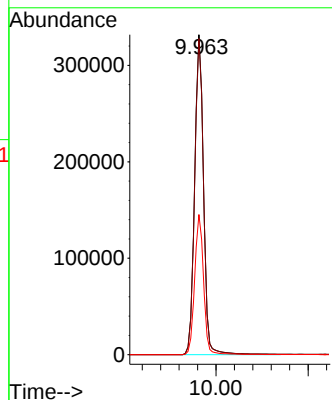
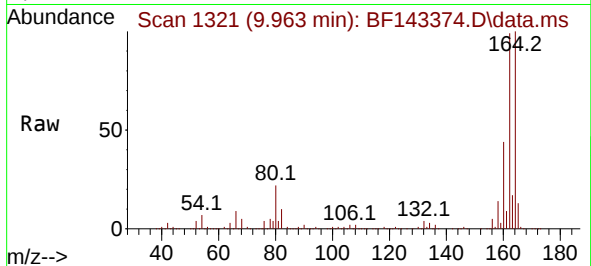




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

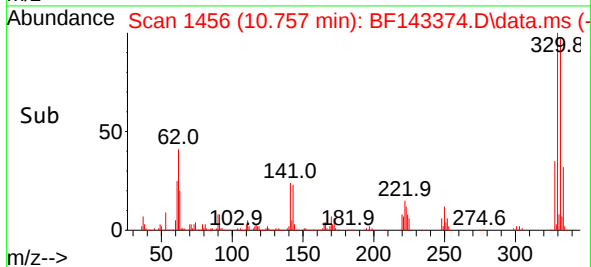
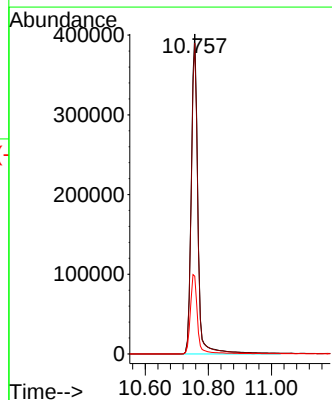
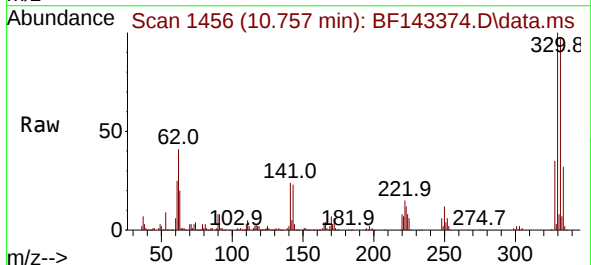
Instrument :
BNA_F
ClientSampleId :
VNJ-238

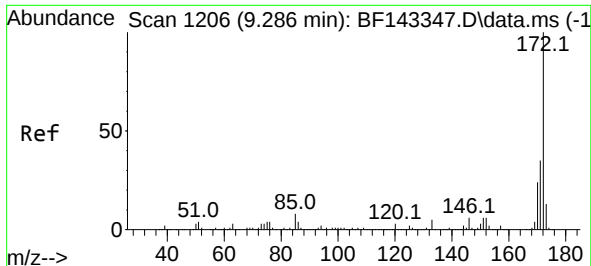
Tgt Ion:164 Resp: 444222
Ion Ratio Lower Upper
164 100
162 98.8 78.6 118.0
160 43.8 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 180.164 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion:330 Resp: 584897
Ion Ratio Lower Upper
330 100
332 96.8 78.1 117.1
141 27.1 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 84.076 ng

RT: 9.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

Instrument :

BNA_F

ClientSampleId :

VNJ-238

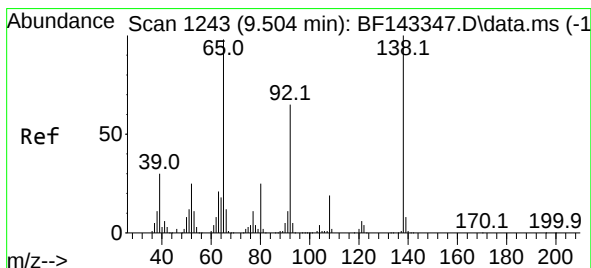
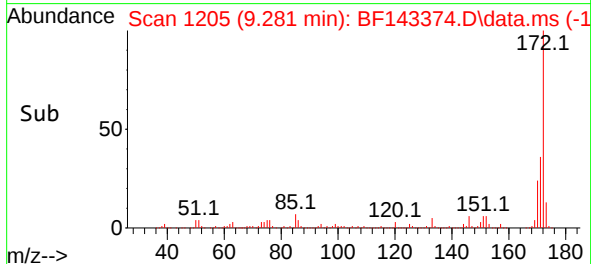
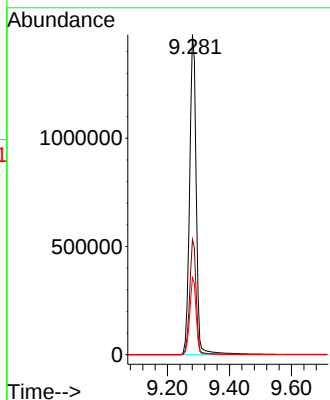
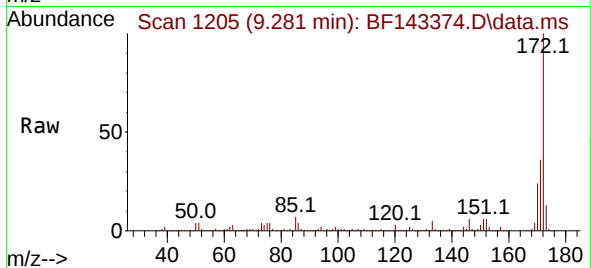
Tgt Ion:172 Resp: 2202464

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 24.0 19.1 28.7



#48

2-Nitroaniline

Concen: 2.798 ng

RT: 9.439 min Scan# 1232

Delta R.T. -0.065 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

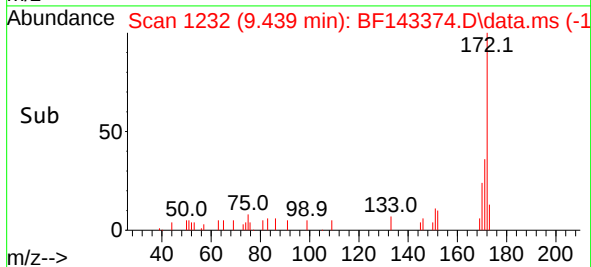
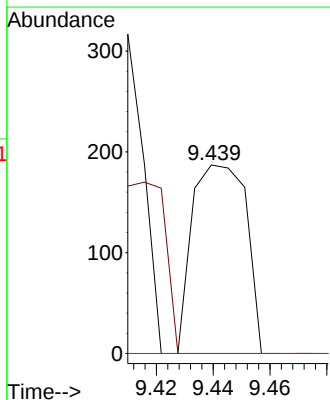
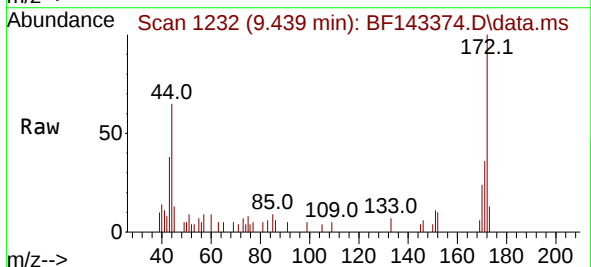
Tgt Ion: 65 Resp: 247

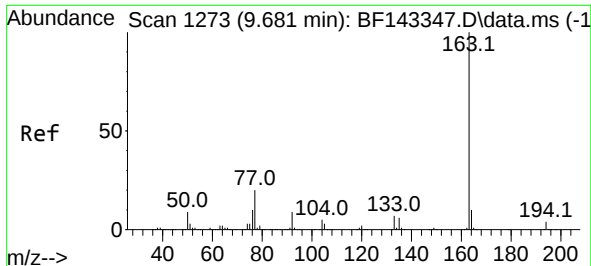
Ion Ratio Lower Upper

65 100

92 0.0 53.1 79.7#

138 0.0 81.4 122.0#

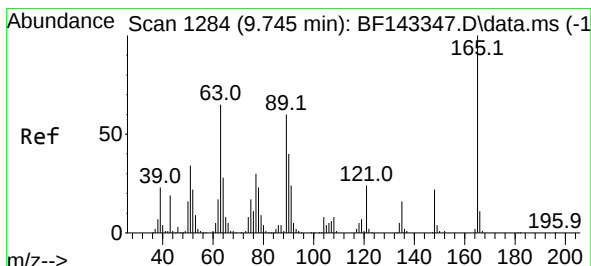
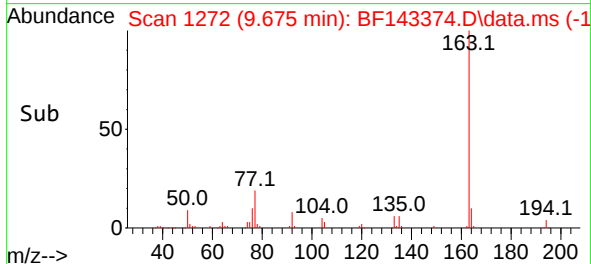
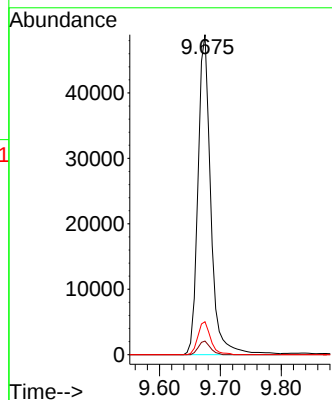
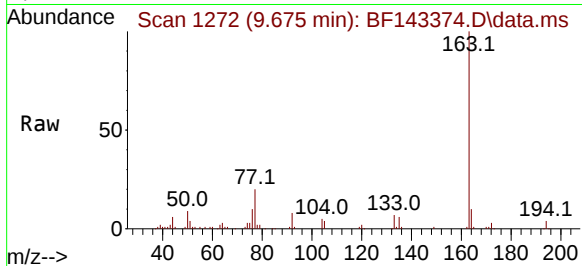




#50
Dimethylphthalate
Concen: 2.760 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

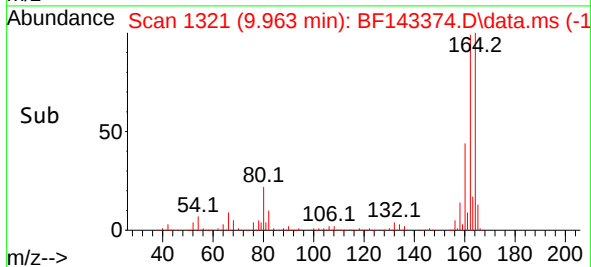
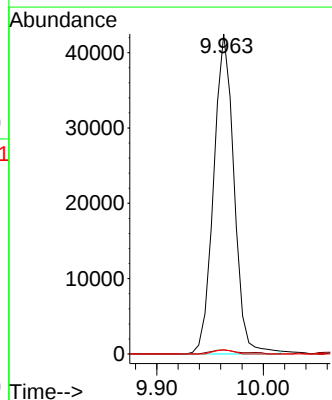
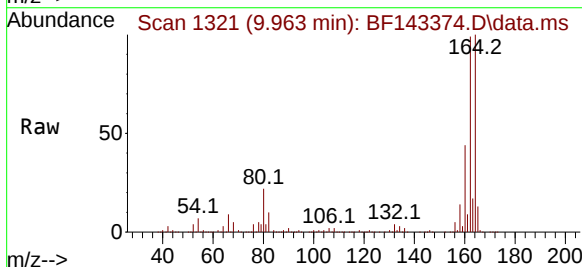
Instrument :
BNA_F
ClientSampleId :
VNJ-238

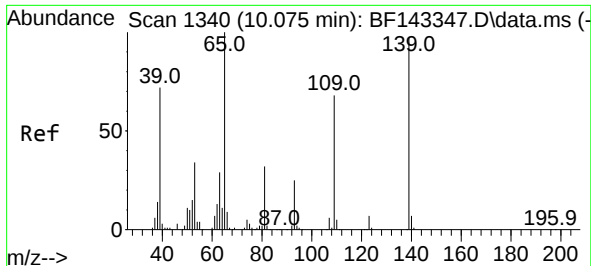
Tgt Ion:163 Resp: 71647
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.3 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 13.740 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.218 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion:165 Resp: 56418
Ion Ratio Lower Upper
165 100
63 1.3 51.6 77.4#
89 1.3 47.7 71.5#

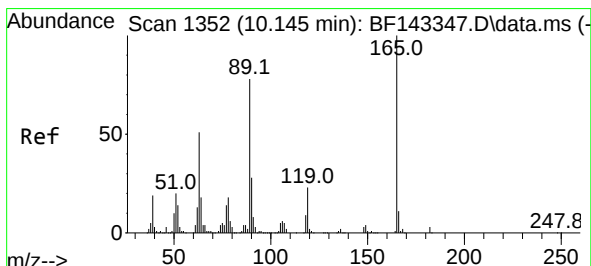
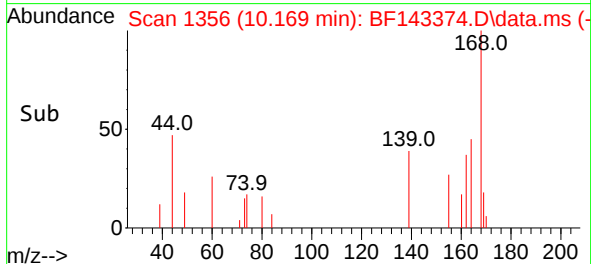
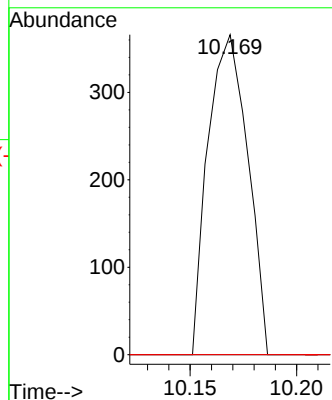
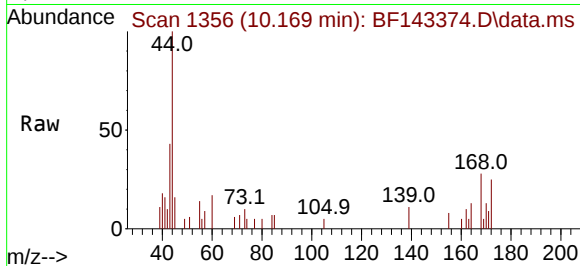




#56
4-Nitrophenol
Concen: 5.581 ng
RT: 10.169 min Scan# 1356
Delta R.T. 0.094 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

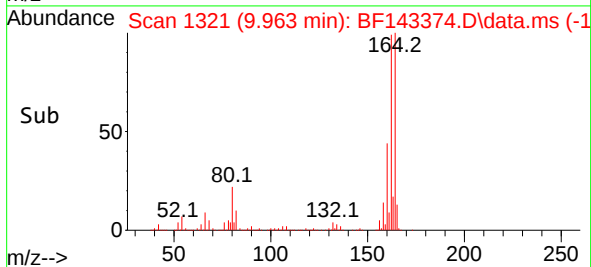
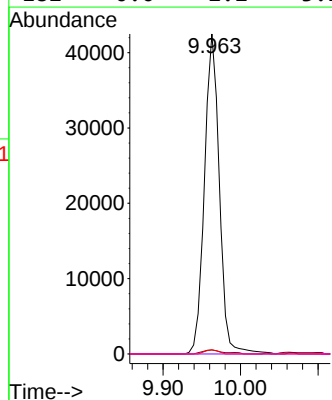
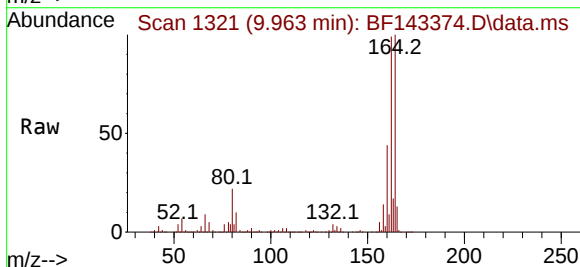
Instrument :
BNA_F
ClientSampleId :
VNJ-238

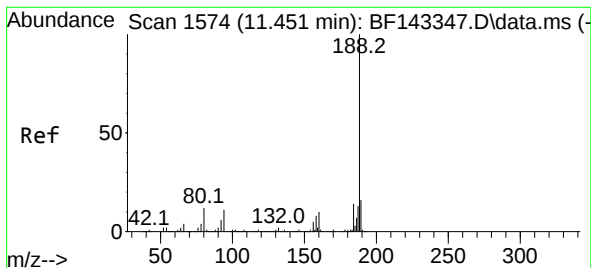
Tgt Ion:139 Resp: 475
Ion Ratio Lower Upper
139 100
109 0.0 49.4 89.4#
65 0.0 83.7 123.7#



#57
2,4-Dinitrotoluene
Concen: 11.174 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion:165 Resp: 56753
Ion Ratio Lower Upper
165 100
63 1.3 41.8 62.8#
89 1.3 62.4 93.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

Instrument :

BNA_F

ClientSampleId :

VNJ-238

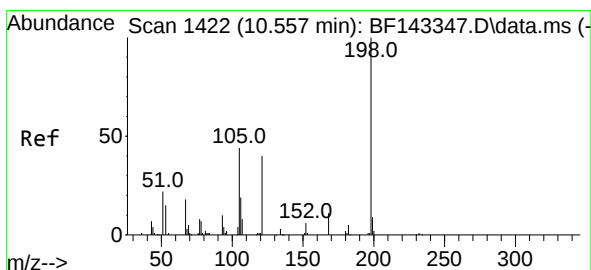
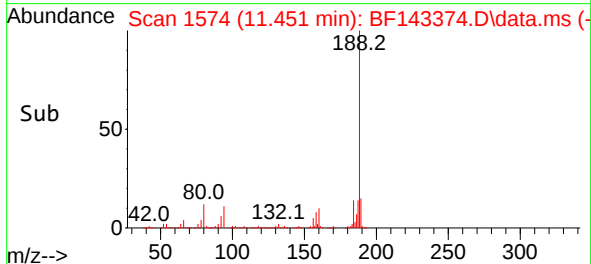
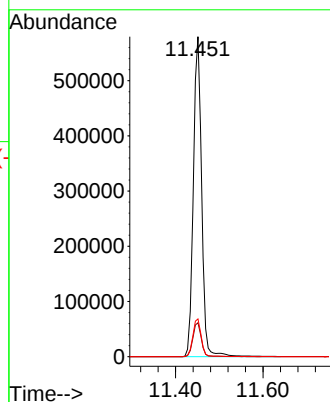
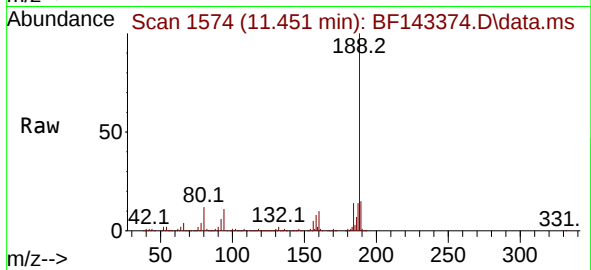
Tgt Ion:188 Resp: 765361

Ion Ratio Lower Upper

188 100

94 10.6 8.8 13.2

80 11.8 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.604 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

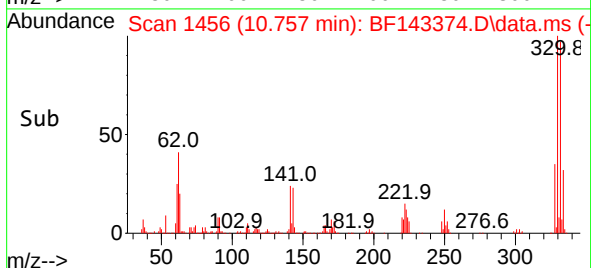
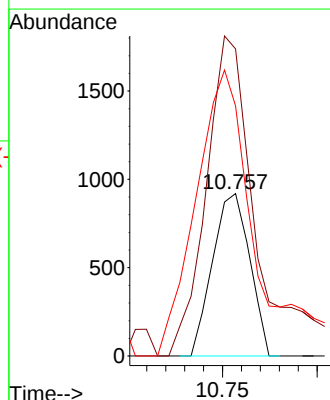
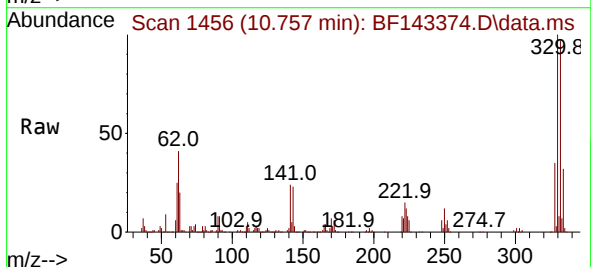
Tgt Ion:198 Resp: 1253

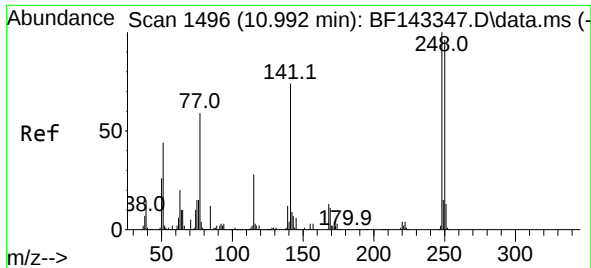
Ion Ratio Lower Upper

198 100

51 189.0 41.7 81.7#

105 153.9 26.8 66.8#

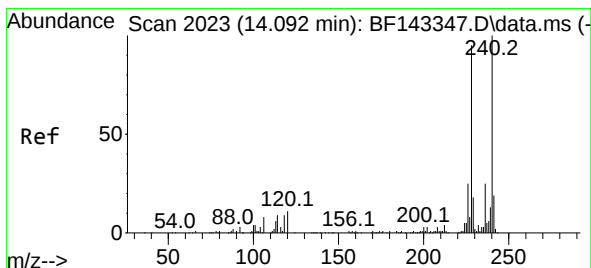
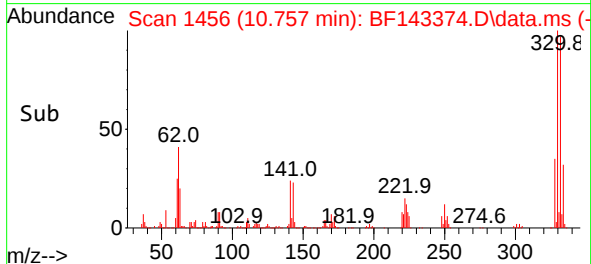
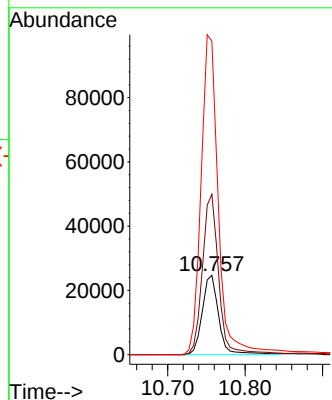
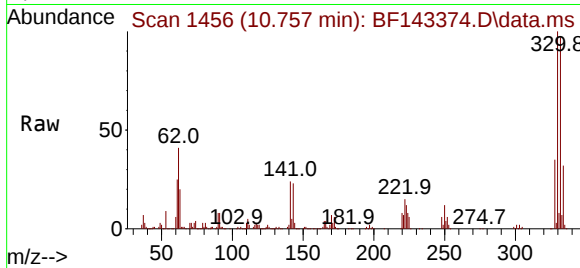




#67
4-Bromophenyl-phenylether
Concen: 4.167 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

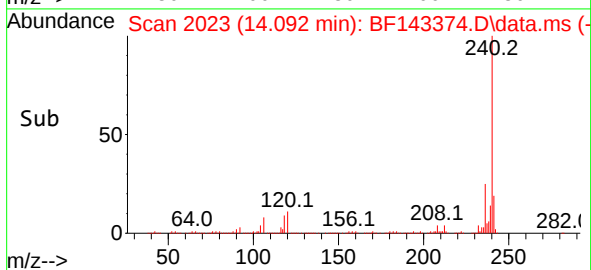
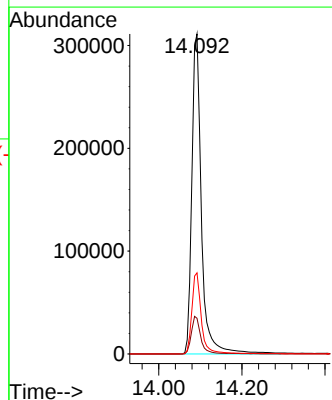
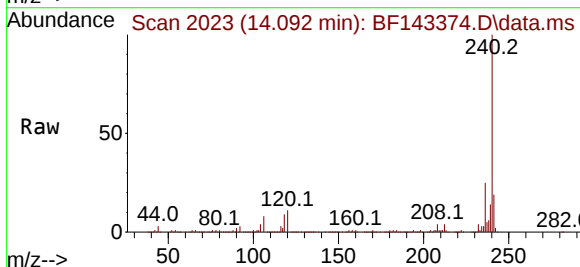
Instrument :
BNA_F
ClientSampleId :
VNJ-238

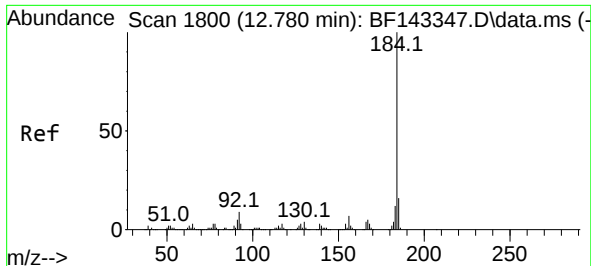
Tgt Ion:248 Resp: 36472
Ion Ratio Lower Upper
248 100
250 202.1 77.1 115.7#
141 394.8 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion:240 Resp: 500082
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.6
236 25.4 19.9 29.9

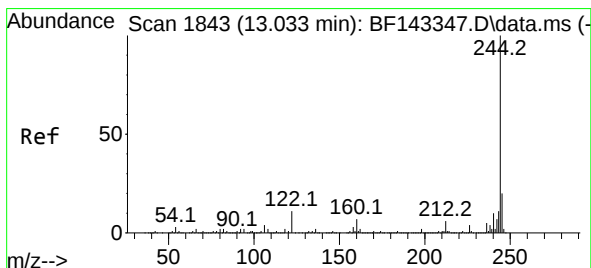
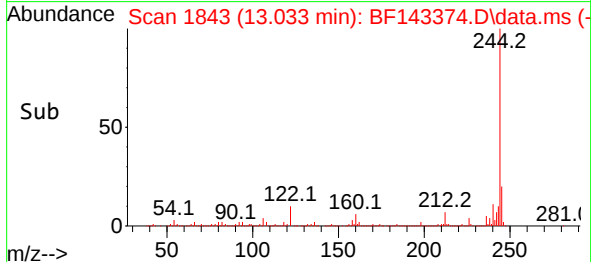
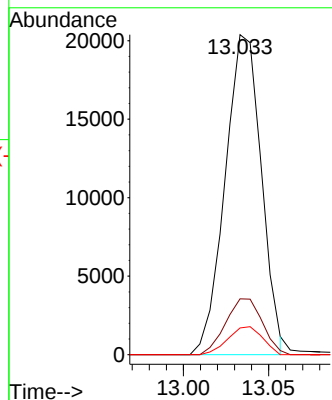
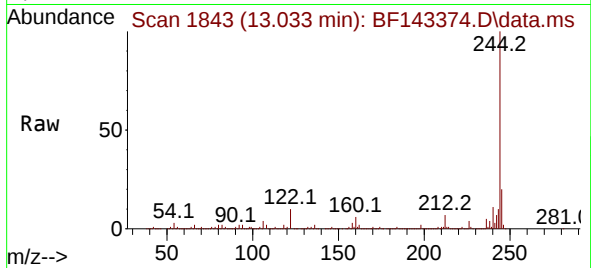




#77
Benzidine
Concen: 2.201 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.253 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

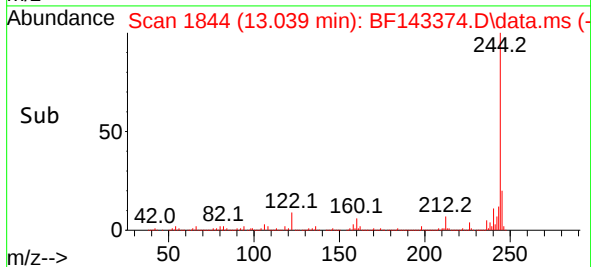
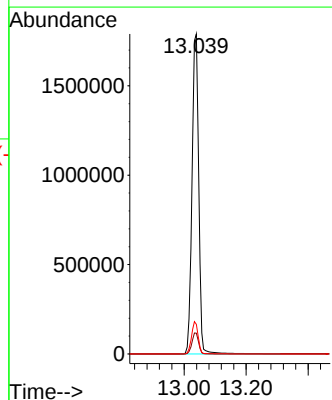
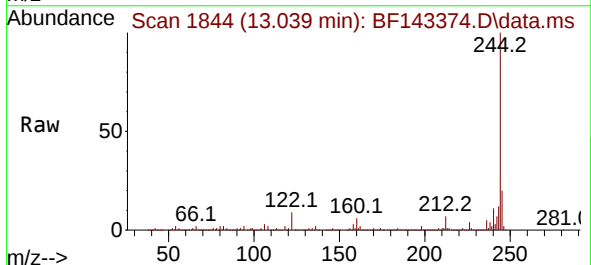
Instrument :
BNA_F
ClientSampleId :
VNJ-238

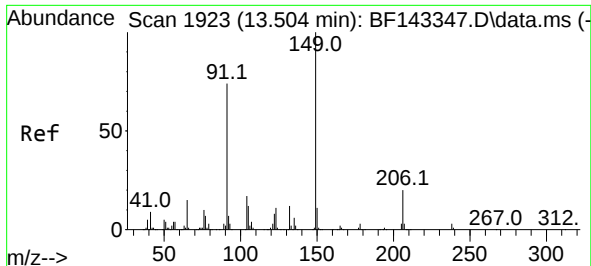
Tgt Ion:184 Resp: 30098
Ion Ratio Lower Upper
184 100
185 17.4 12.8 19.2
183 8.4 9.3 13.9#



#79
Terphenyl-d14
Concen: 95.759 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143374.D
Acq: 13 Aug 2025 14:42

Tgt Ion:244 Resp: 2682269
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 9.3 8.9 13.3

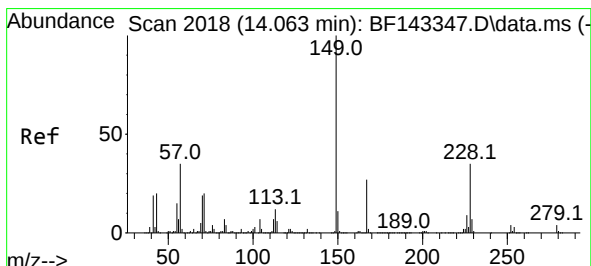
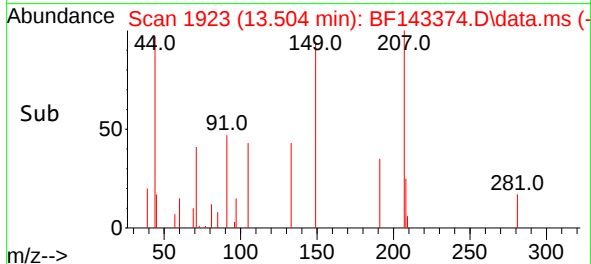
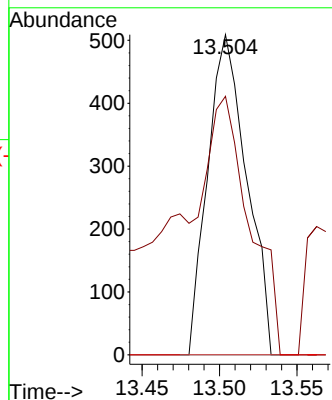
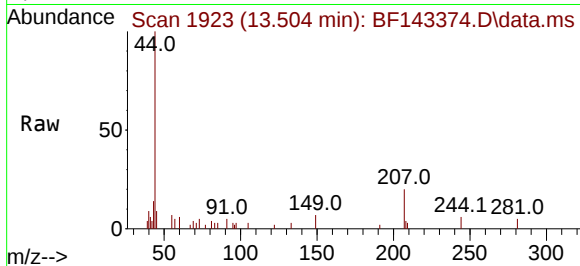




#80
 Butylbenzylphthalate
 Concen: 3.450 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143374.D
 Acq: 13 Aug 2025 14:42

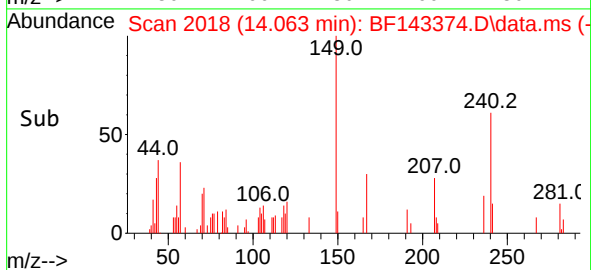
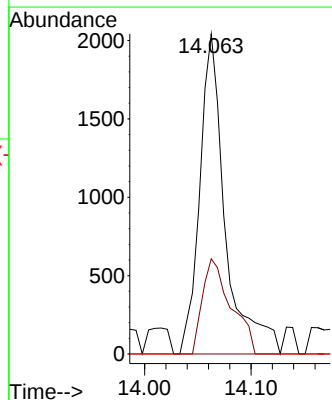
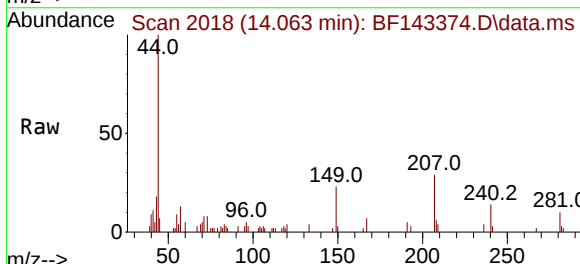
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-238

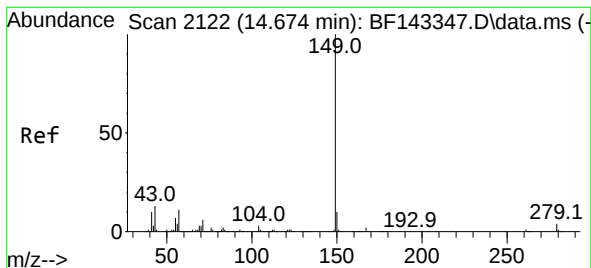
Tgt Ion:	149	Resp:	889
Ion	Ratio	Lower	Upper
149	100		
91	80.7	58.8	88.2
206	0.0	16.4	24.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.246 ng
 RT: 14.063 min Scan# 1818
 Delta R.T. -0.000 min
 Lab File: BF143374.D
 Acq: 13 Aug 2025 14:42

Tgt Ion:	149	Resp:	3408
Ion	Ratio	Lower	Upper
149	100		
167	29.8	21.4	32.0
279	0.0	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 6.033 ng

RT: 14.674 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

Instrument :

BNA_F

ClientSampleId :

VNJ-238

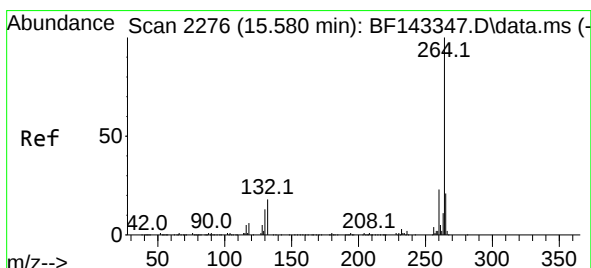
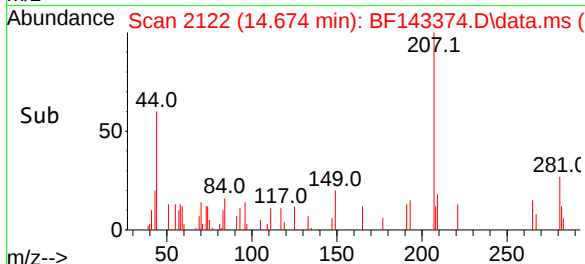
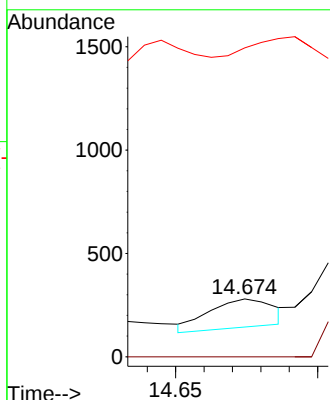
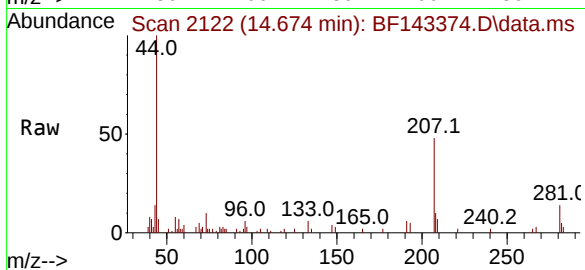
Tgt Ion:149 Resp: 221

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 96.4 10.8 16.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF143374.D

Acq: 13 Aug 2025 14:42

Tgt Ion:264 Resp: 363143

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 21.0 17.2 25.8

