

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142355.D
 Acq On : 13 May 2025 20:32
 Operator : RC/JU
 Sample : Q2004-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Quant Time: May 14 00:57:37 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)

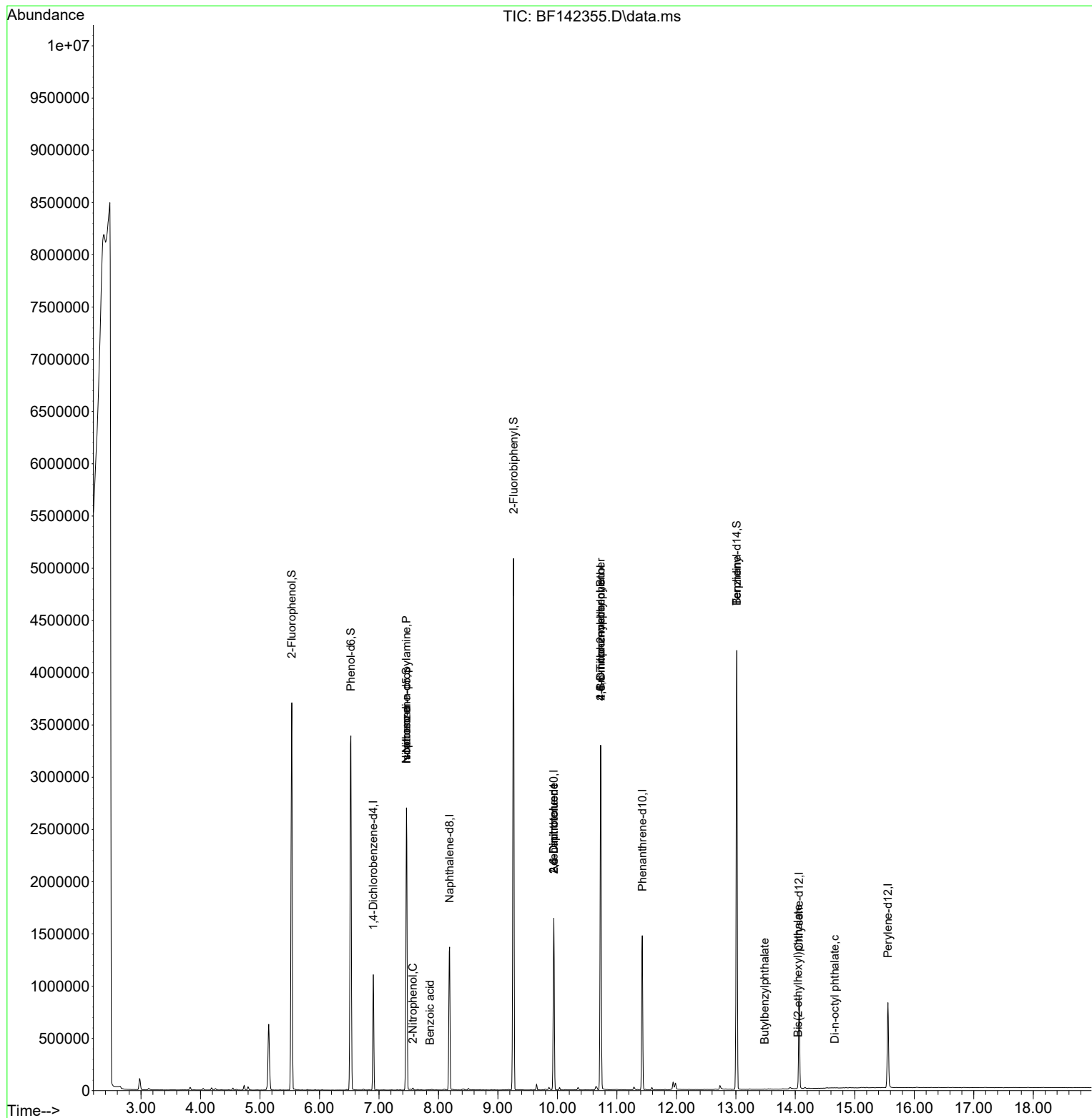
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	232608	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	893598	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	486478	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	752283	20.000	ng	0.00
76) Chrysene-d12	14.062	240	430268	20.000	ng	0.00
86) Perylene-d12	15.556	264	475484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1519379	111.505	ng	0.02
7) Phenol-d6	6.528	99	1756947	104.836	ng	0.00
23) Nitrobenzene-d5	7.463	82	1179408	80.493	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	628816	133.880	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2414447	70.768	ng	0.00
79) Terphenyl-d14	13.015	244	2080782	71.578	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	159759	15.411	ng	# 76
25) Isophorone	7.463	82	1164036	41.953	ng	# 62
26) 2-Nitrophenol	7.569	139	118	4.104	ng	# 36
32) Benzoic acid	7.857	122	922	6.141	ng	# 96
51) 2,6-Dinitrotoluene	9.939	165	62013	10.606	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	62013	8.268	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	1184	7.472	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	37384	4.385	ng	# 1
77) Benzidine	13.015	184	25735	3.291	ng	# 96
80) Butylbenzylphthalate	13.486	149	1317	3.768	ng	# 89
84) Bis(2-ethylhexyl)phtha...	14.045	149	7858	4.729	ng	# 98
85) Di-n-octyl phthalate	14.662	149	1580	7.890	ng	# 97

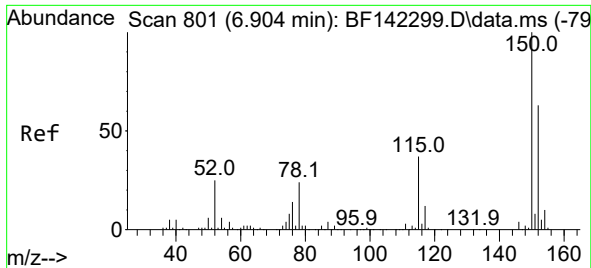
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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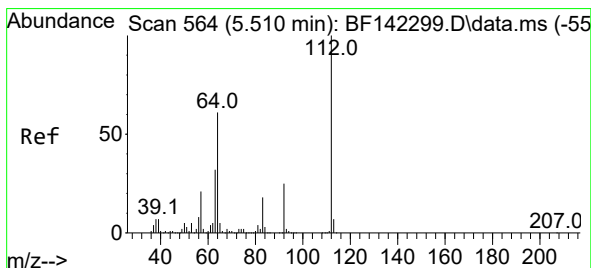
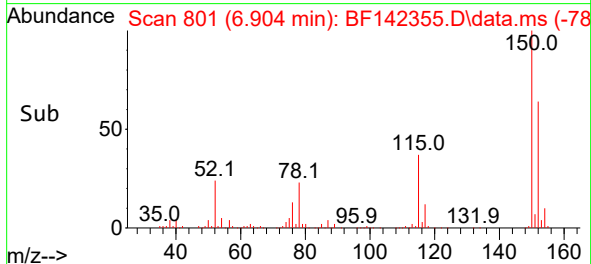
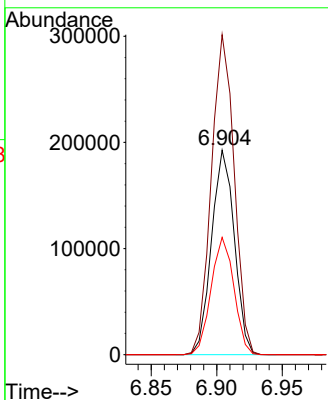
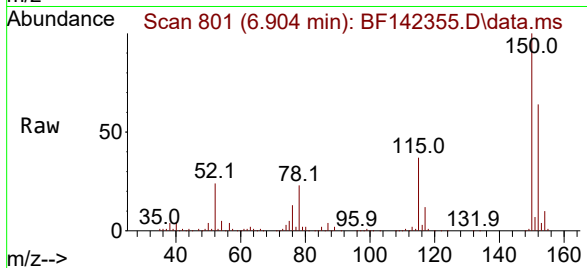




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

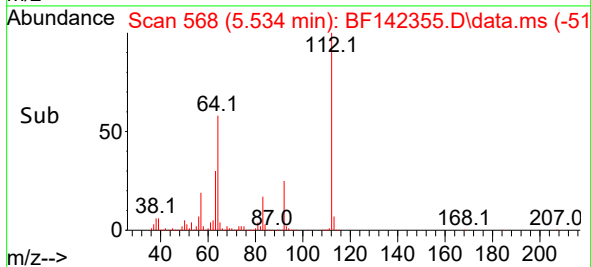
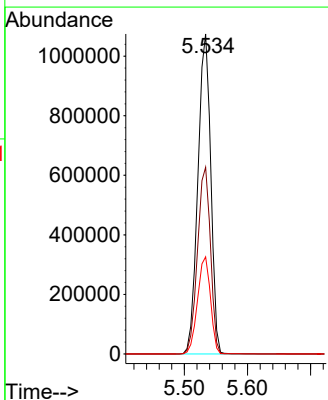
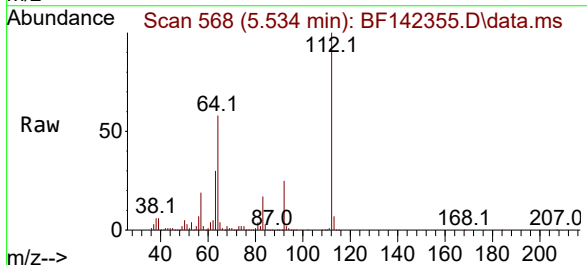
Instrument :
BNA_F
ClientSampleId :
VNJ-220

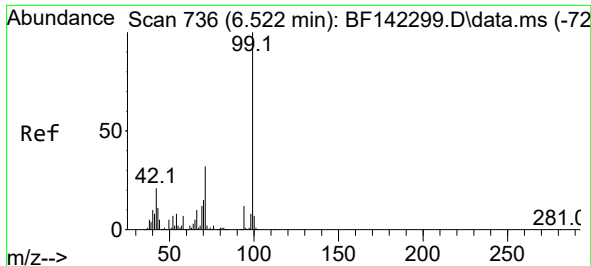
Tgt Ion:152 Resp: 232608
Ion Ratio Lower Upper
152 100
150 156.5 126.6 190.0
115 57.4 47.3 70.9



#5
2-Fluorophenol
Concen: 111.505 ng
RT: 5.534 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:112 Resp: 1519379
Ion Ratio Lower Upper
112 100
64 58.4 48.9 73.3
63 30.3 25.6 38.4

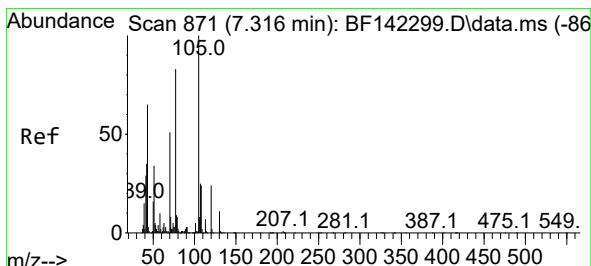
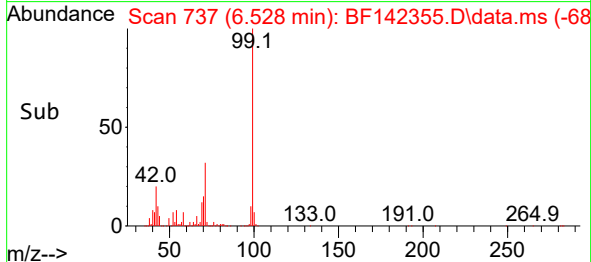
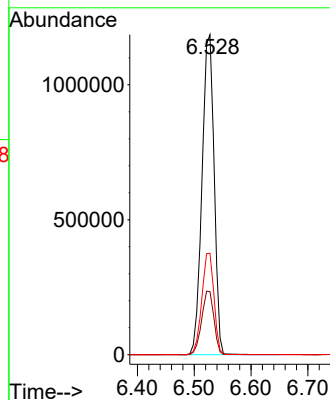
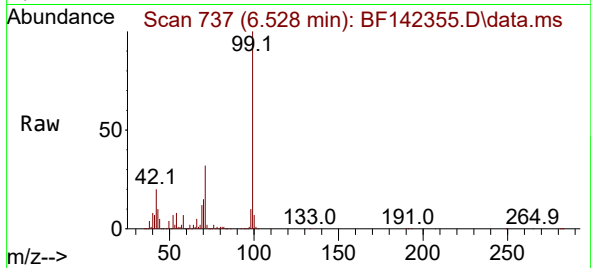




#7
Phenol-d6
Concen: 104.836 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

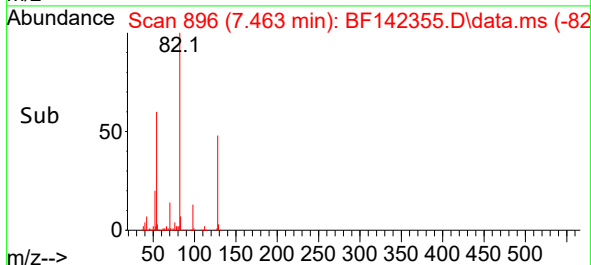
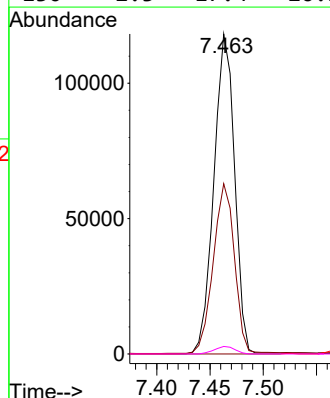
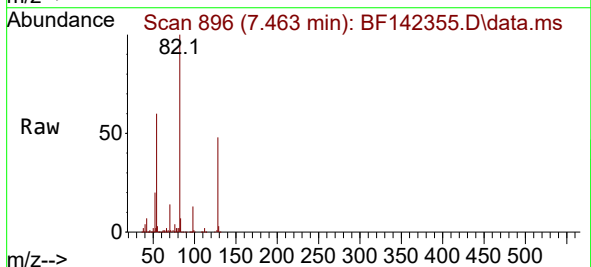
Instrument :
BNA_F
ClientSampleId :
VNJ-220

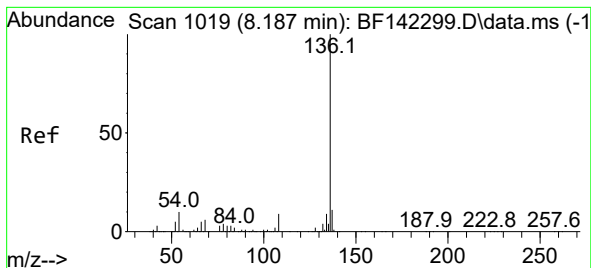
Tgt Ion: 99 Resp: 1756947
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.4
71 31.7 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.411 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion: 70 Resp: 159759
Ion Ratio Lower Upper
70 100
42 53.2 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: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142355.D

Acq: 13 May 2025 20:32

Instrument :

BNA_F

ClientSampleId :

VNJ-220

Tgt Ion:136 Resp: 893598

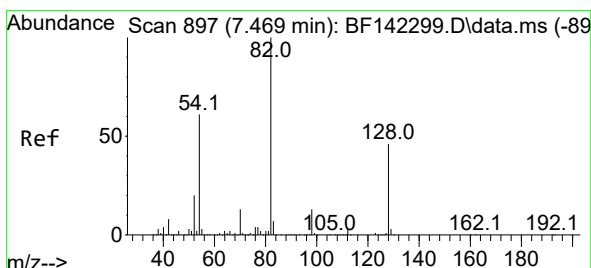
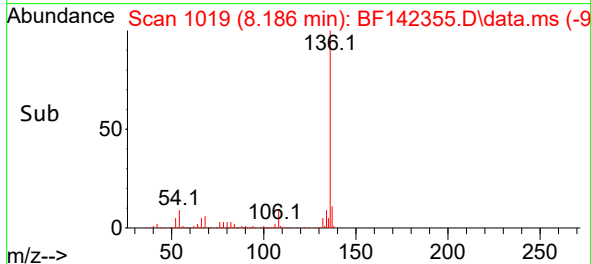
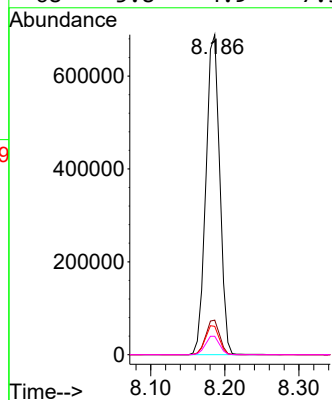
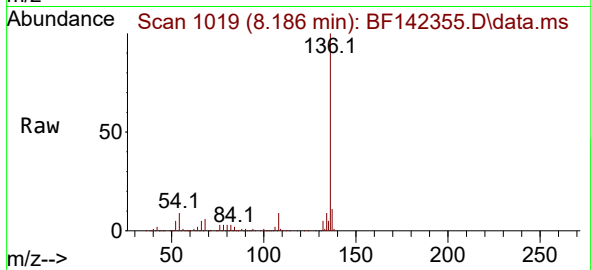
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.9 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 80.493 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142355.D

Acq: 13 May 2025 20:32

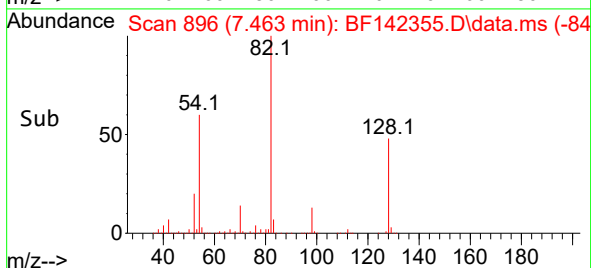
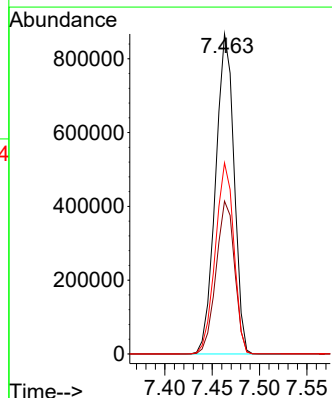
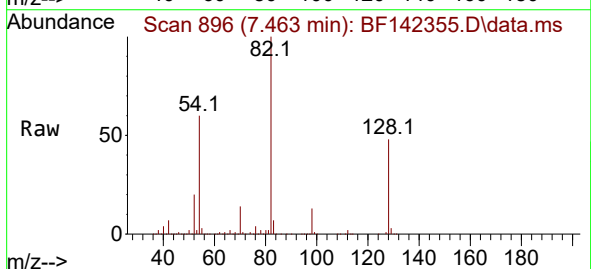
Tgt Ion: 82 Resp: 1179408

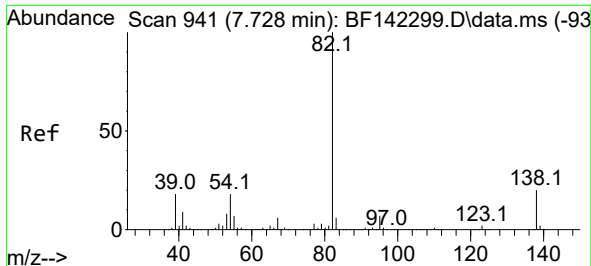
Ion Ratio Lower Upper

82 100

128 47.8 37.0 55.6

54 59.7 48.6 73.0

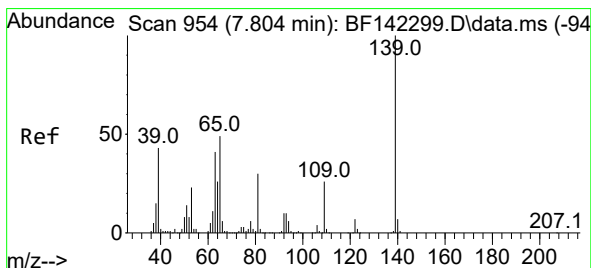
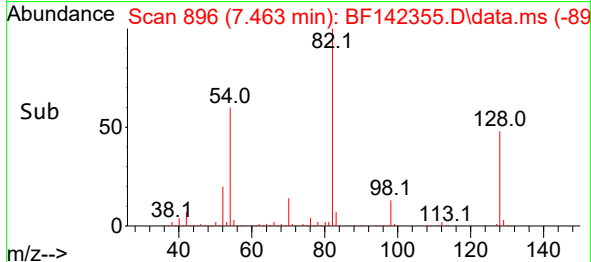
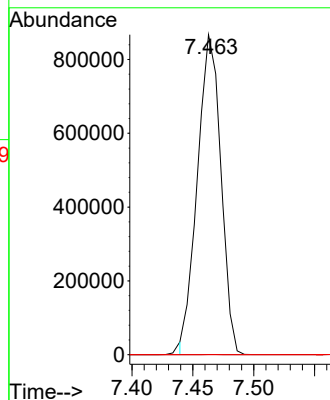
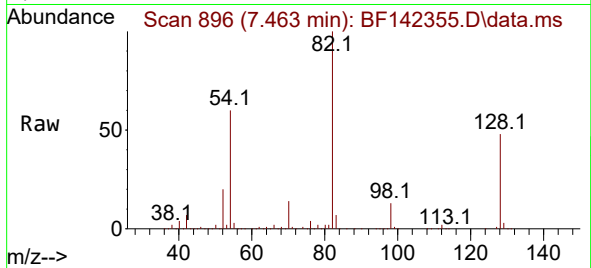




#25
Isophorone
Concen: 41.953 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

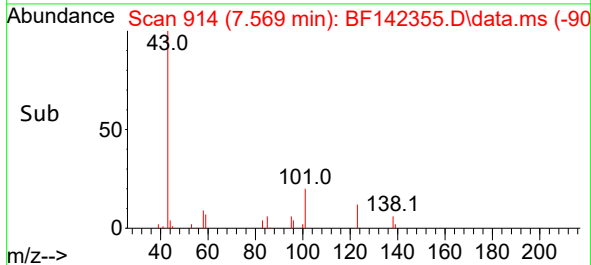
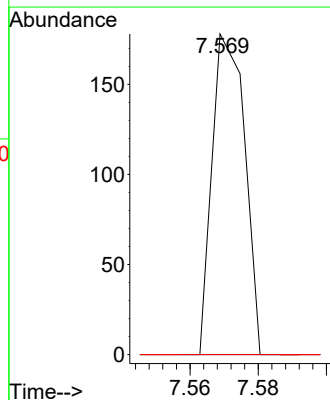
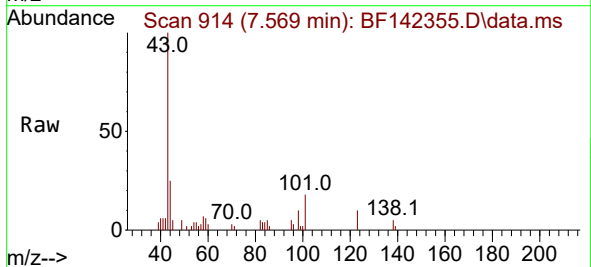
Instrument :
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VNJ-220

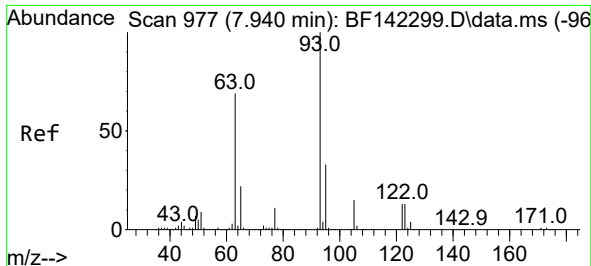
Tgt Ion: 82 Resp: 1164036
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.104 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:139 Resp: 118
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

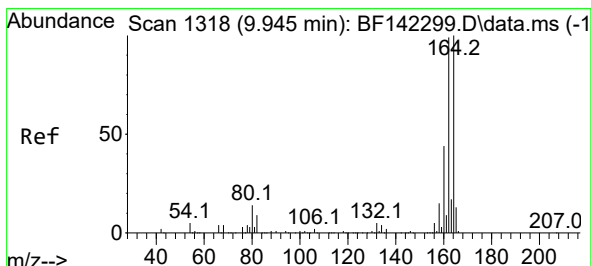
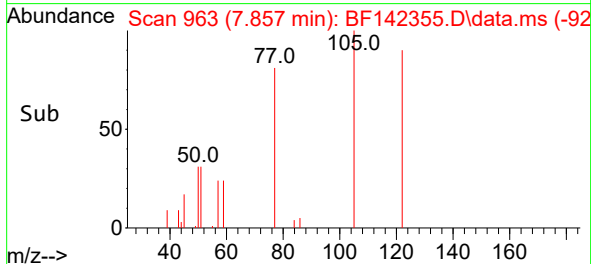
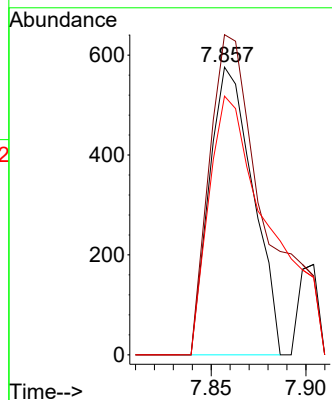
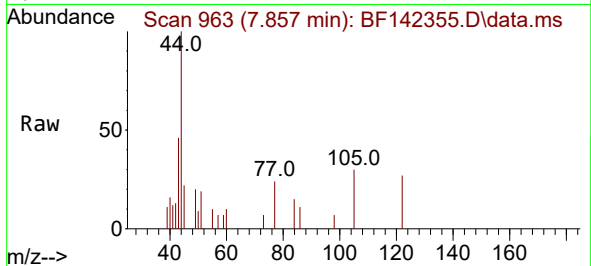




#32
Benzoic acid
Concen: 6.141 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.083 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

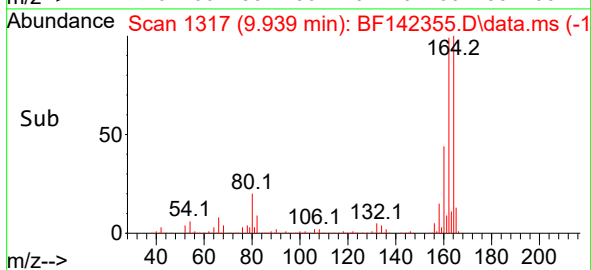
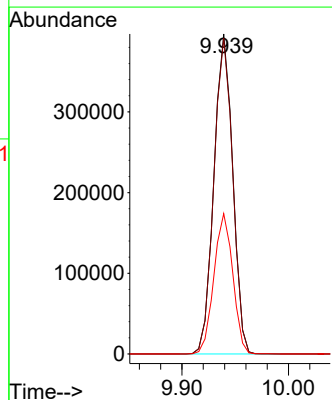
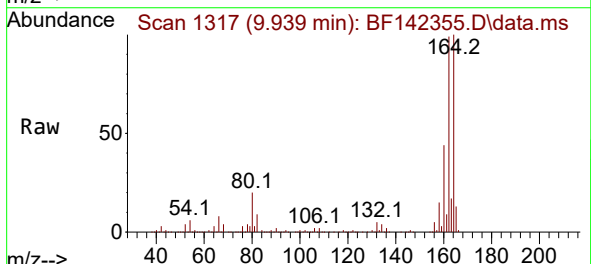
Instrument :
BNA_F
ClientSampleId :
VNJ-220

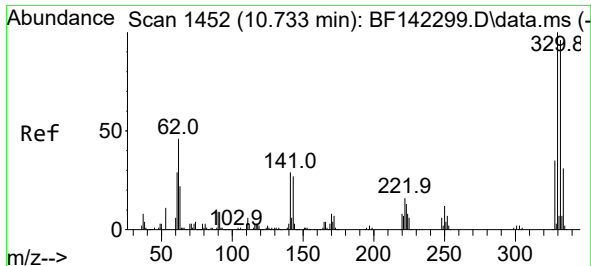
Tgt Ion:122 Resp: 922
Ion Ratio Lower Upper
122 100
105 111.3 97.9 137.9
77 89.9 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:164 Resp: 486478
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 43.8 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 133.880 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142355.D

Acq: 13 May 2025 20:32

Instrument :

BNA_F

ClientSampleId :

VNJ-220

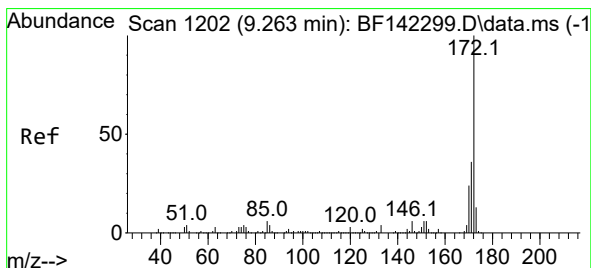
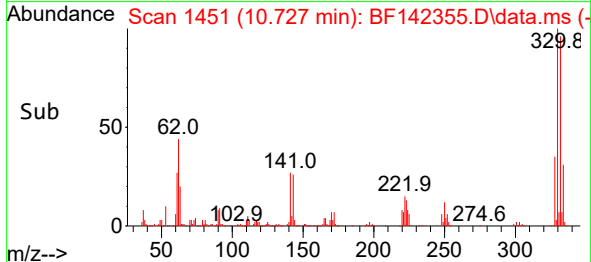
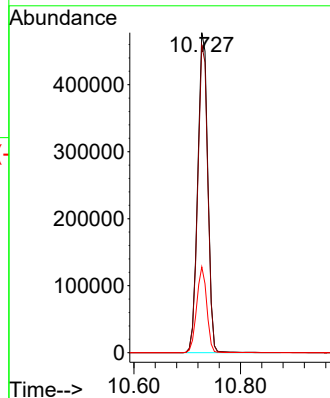
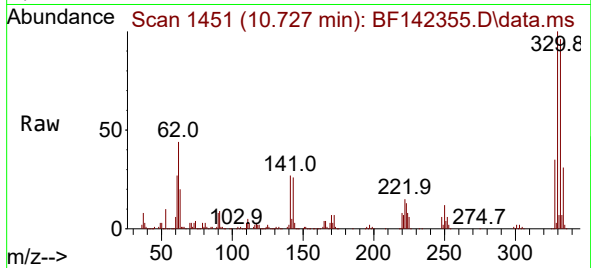
Tgt Ion:330 Resp: 628816

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

141 26.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 70.768 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF142355.D

Acq: 13 May 2025 20:32

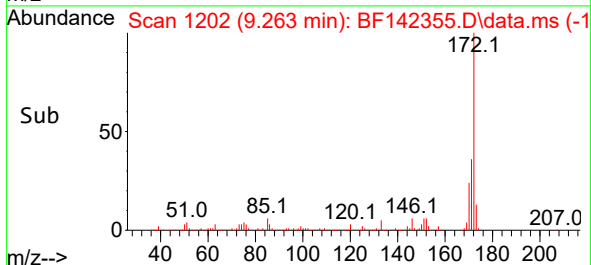
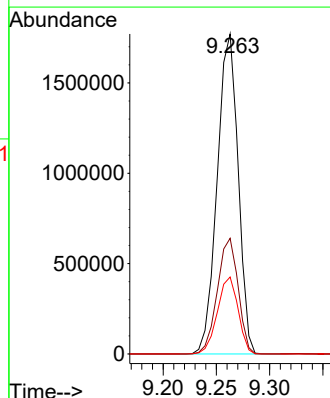
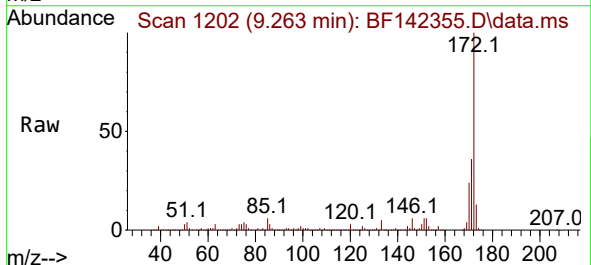
Tgt Ion:172 Resp: 2414447

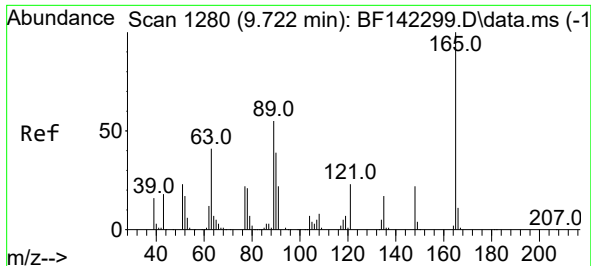
Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 24.0 19.0 28.4

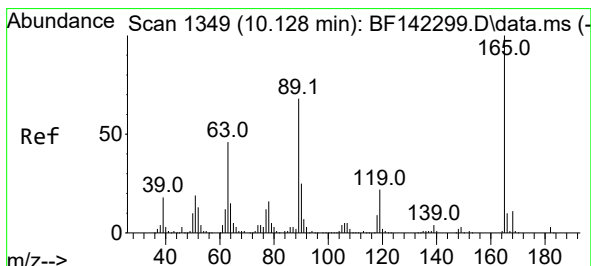
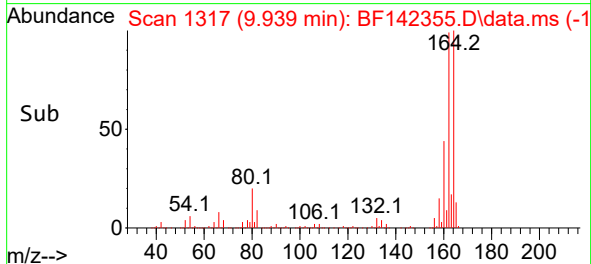
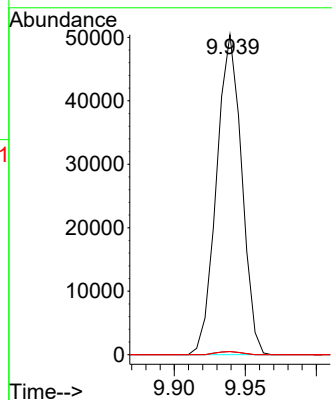
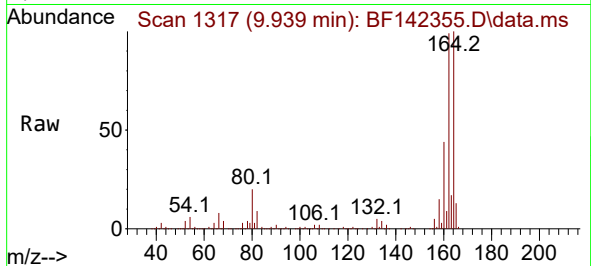




#51
2,6-Dinitrotoluene
Concen: 10.606 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

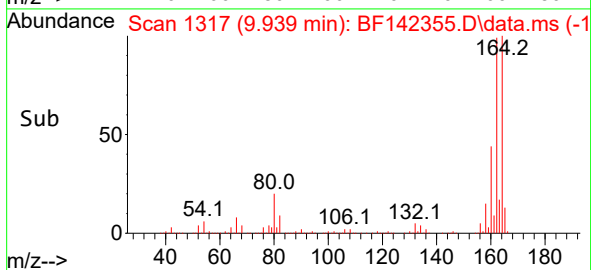
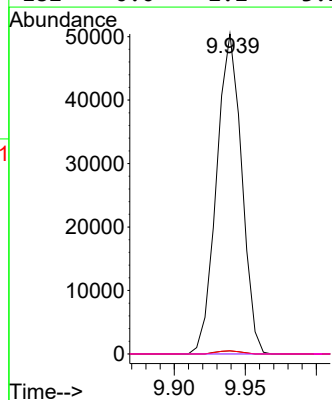
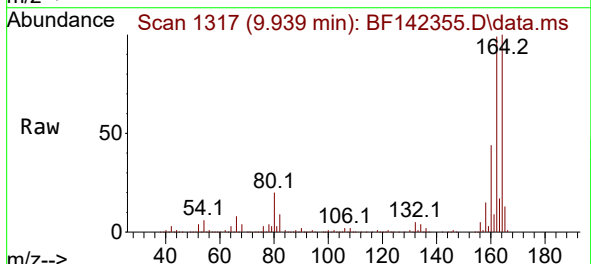
Instrument :
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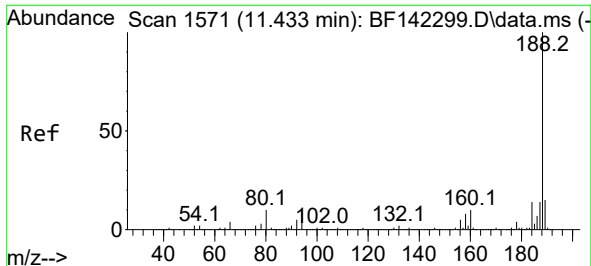
Tgt Ion:165 Resp: 62013
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.268 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:165 Resp: 62013
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#

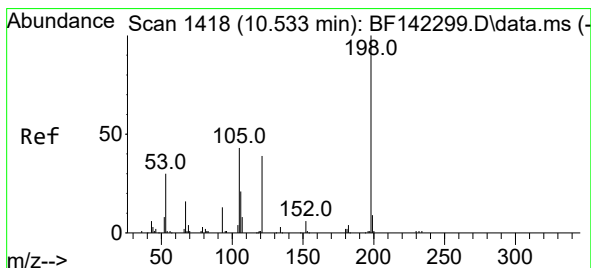
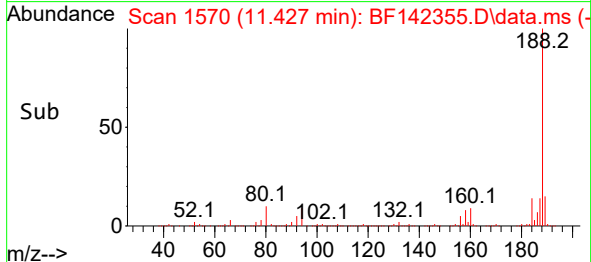
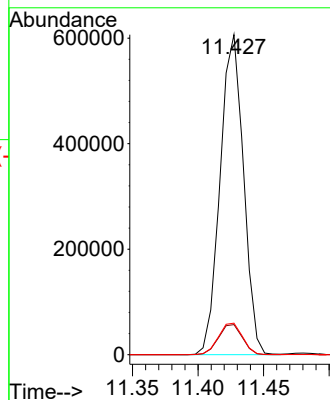
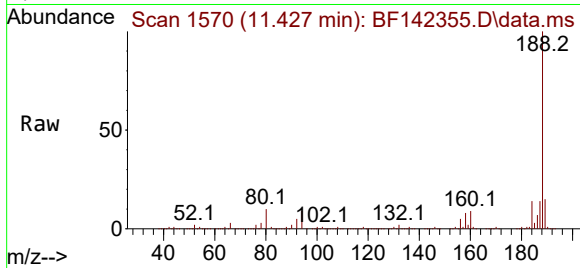




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

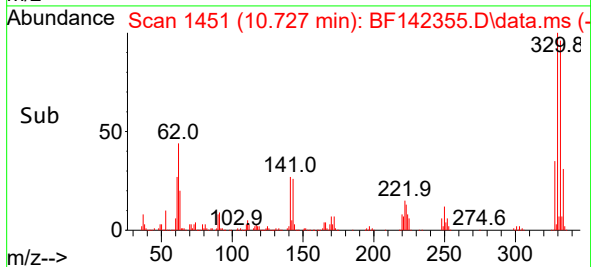
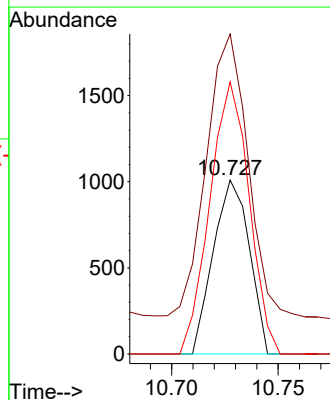
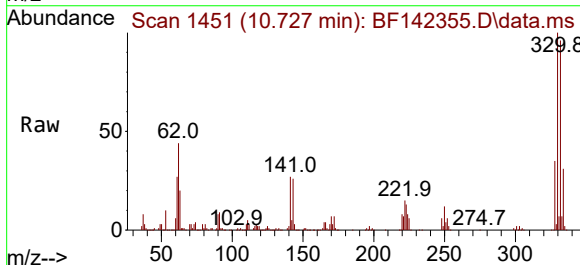
Instrument :
BNA_F
ClientSampleId :
VNJ-220

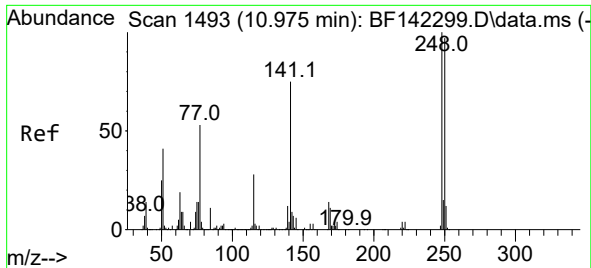
Tgt Ion:188 Resp: 752283
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.8 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.472 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.194 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:198 Resp: 1184
Ion Ratio Lower Upper
198 100
51 184.0 32.9 72.9#
105 156.3 23.7 63.7#

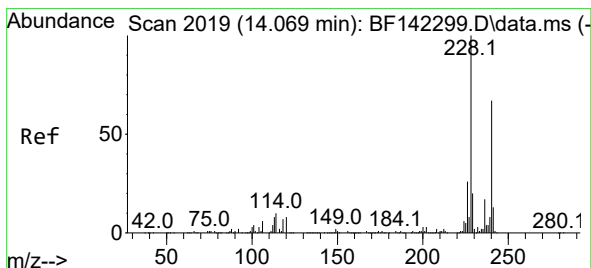
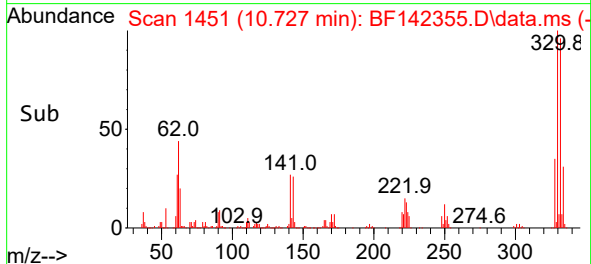
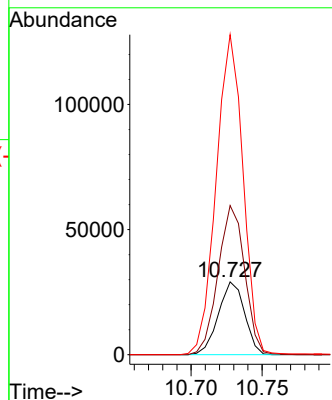
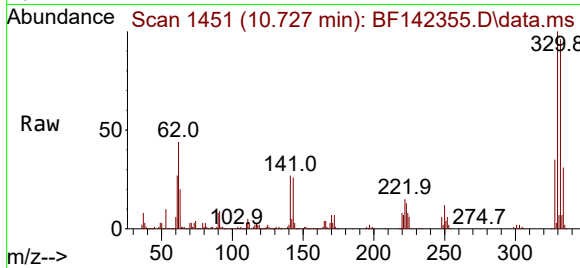




#67
4-Bromophenyl-phenylether
Concen: 4.385 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

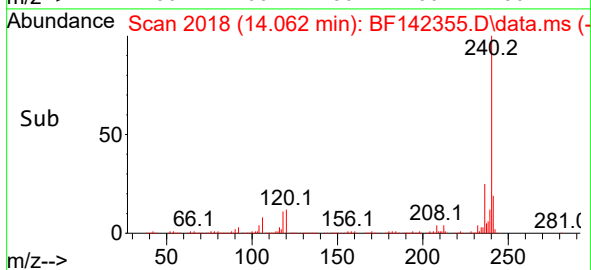
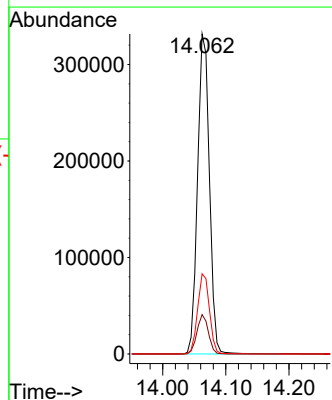
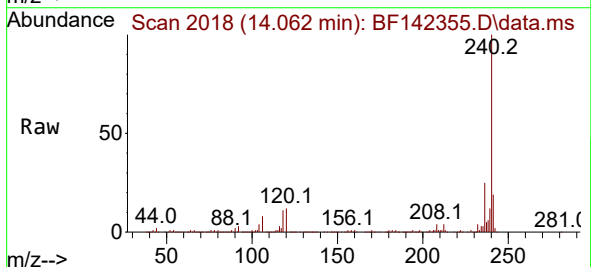
Instrument :
BNA_F
ClientSampleId :
VNJ-220

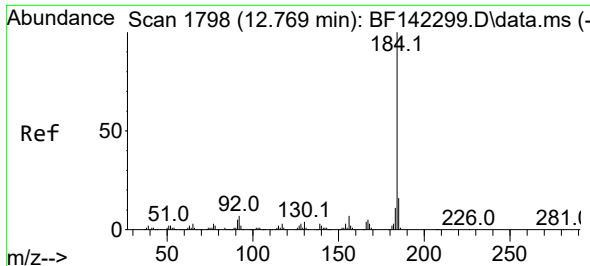
Tgt Ion:248 Resp: 37384
Ion Ratio Lower Upper
248 100
250 204.7 77.9 116.9#
141 439.5 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:240 Resp: 430268
Ion Ratio Lower Upper
240 100
120 12.3 9.7 14.5
236 25.0 20.0 30.0

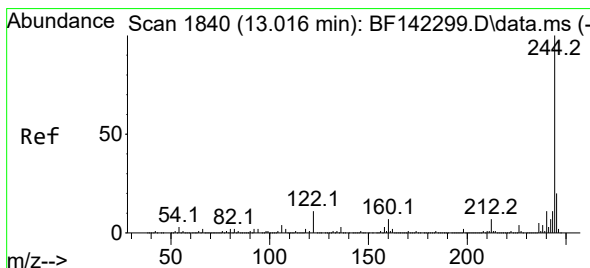
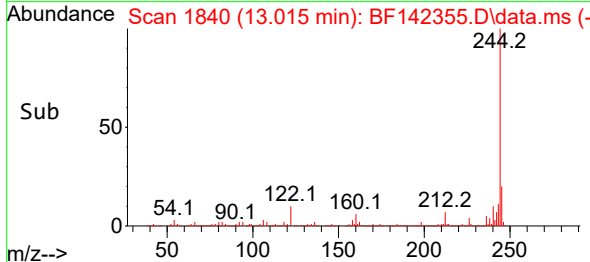
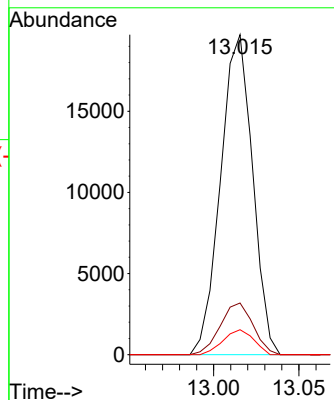
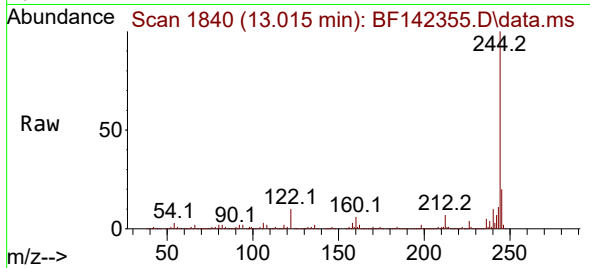




#77
Benzidine
Concen: 3.291 ng
RT: 13.015 min Scan# 1840
Delta R.T. 0.246 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

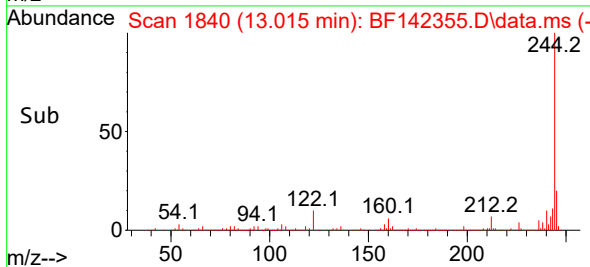
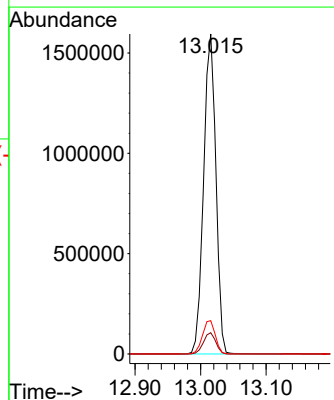
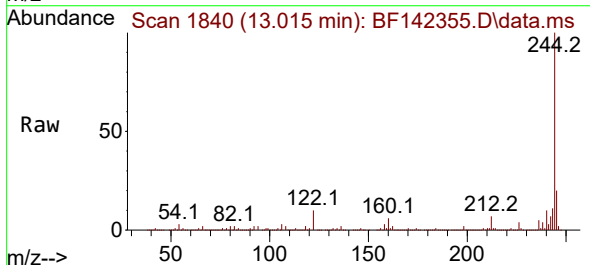
Instrument :
BNA_F
ClientSampleId :
VNJ-220

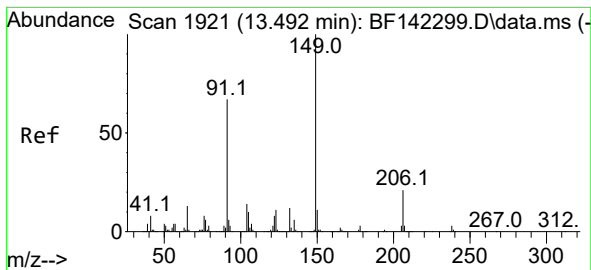
Tgt Ion:184 Resp: 25735
Ion Ratio Lower Upper
184 100
185 16.2 12.6 18.8
183 7.8 8.6 12.8#



#79
Terphenyl-d14
Concen: 71.578 ng
RT: 13.015 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:244 Resp: 2080782
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.4 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.768 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142355.D

Acq: 13 May 2025 20:32

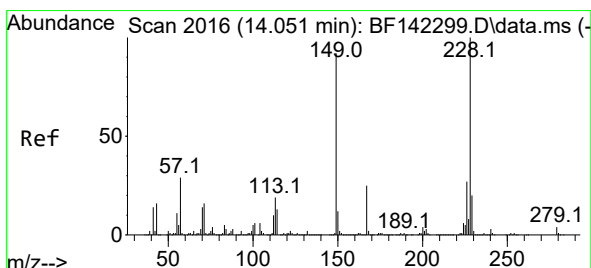
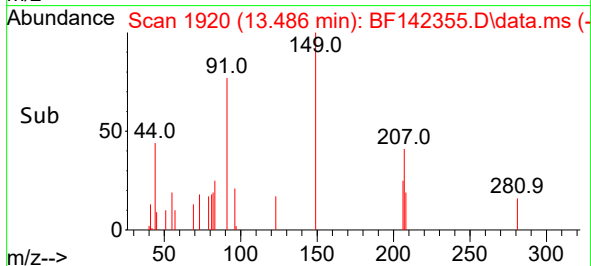
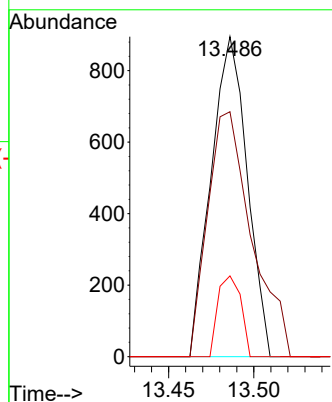
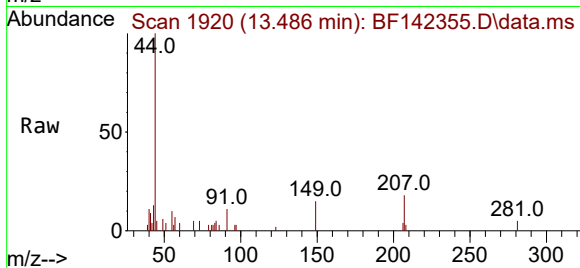
Instrument :

BNA_F

ClientSampleId :

VNJ-220

Tgt Ion:149	Resp:	1317
Ion Ratio	Lower	Upper
149	100	
91	76.5	53.8 80.6
206	25.3	16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.729 ng

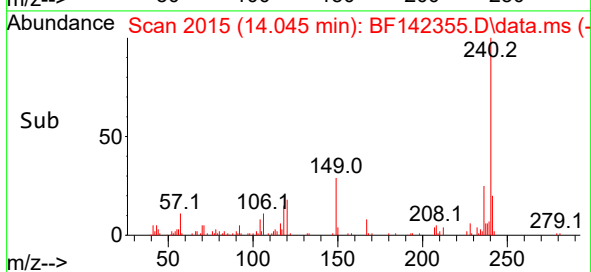
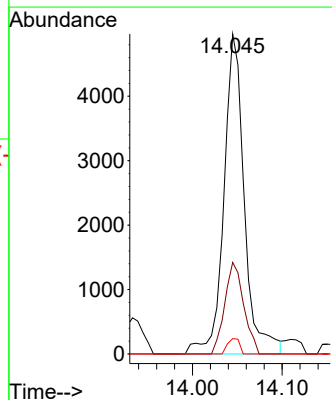
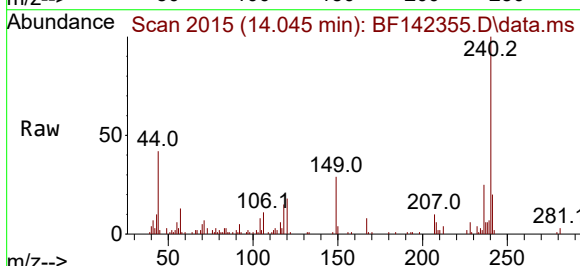
RT: 14.045 min Scan# 2015

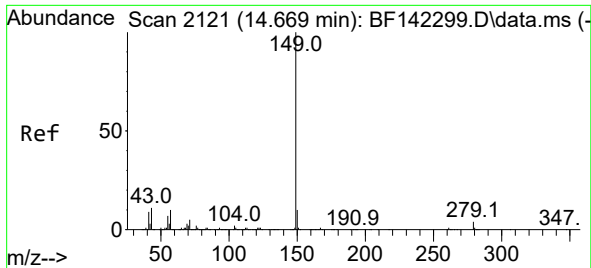
Delta R.T. -0.006 min

Lab File: BF142355.D

Acq: 13 May 2025 20:32

Tgt Ion:149	Resp:	7858
Ion Ratio	Lower	Upper
149	100	
167	28.6	22.0 33.0
279	4.8	3.0 4.6#

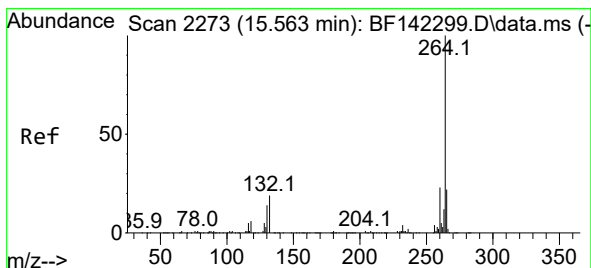
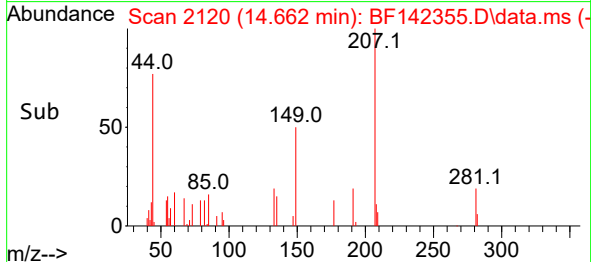
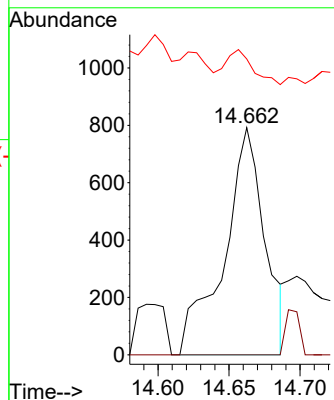
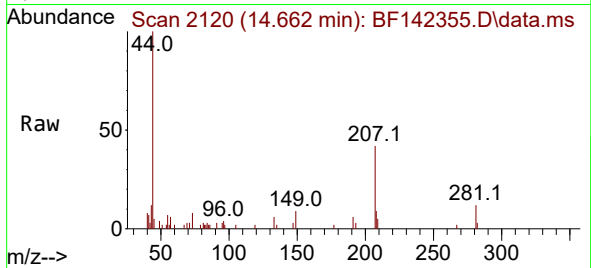




#85
Di-n-octyl phthalate
Concen: 7.890 ng
RT: 14.662 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Instrument :
BNA_F
ClientSampleId :
VNJ-220

Tgt Ion:149 Resp: 1580
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 10.5 9.2 13.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142355.D
Acq: 13 May 2025 20:32

Tgt Ion:264 Resp: 475484
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.5 17.5 26.3

