

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020724\
 Data File : BF137322.D
 Acq On : 07 Feb 2024 16:09
 Operator : CG\JU
 Sample : P1355-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Feb 07 16:29:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

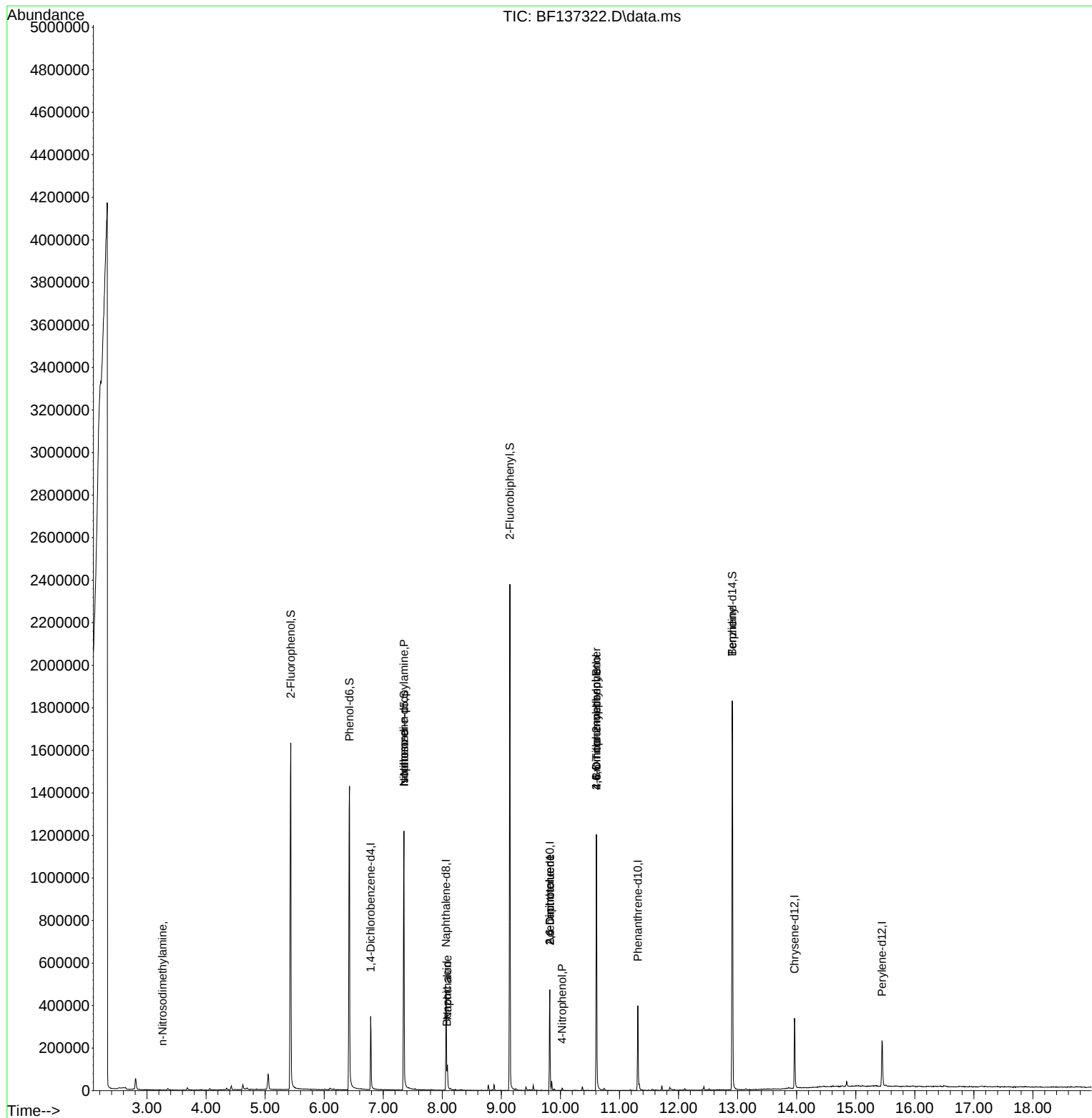
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	47898	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	185745	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	93337	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	147273	20.000	ng	0.00
76) Chrysene-d12	13.963	240	127345	20.000	ng	-0.01
86) Perylene-d12	15.445	264	112340	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	423615	145.935	ng	0.02
7) Phenol-d6	6.428	99	505215	121.958	ng	0.00
23) Nitrobenzene-d5	7.351	82	398845	96.137	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	137297	130.250	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	660403	97.264	ng	0.00
79) Terphenyl-d14	12.910	244	682084	72.814	ng	-0.01
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.263	42	201	6.171	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	52354	18.432	ng	# 78
25) Isophorone	7.351	82	398842	52.084	ng	# 67
31) Naphthalene	8.086	128	43947	4.376	ng	# 99
32) Benzoic acid	8.081	122	60	8.350	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	11792	8.770	ng	# 17
56) 4-Nitrophenol	10.027	139	2087	10.115	ng	# 1
57) 2,4-Dinitrotoluene	9.822	165	11792	6.759	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.610	198	303	5.799	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	9467	5.846	ng	# 1
77) Benzidine	12.910	184	8472	3.715	ng	# 93

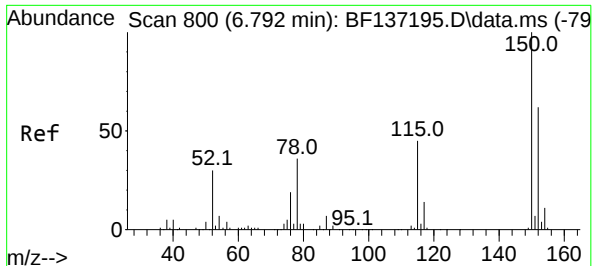
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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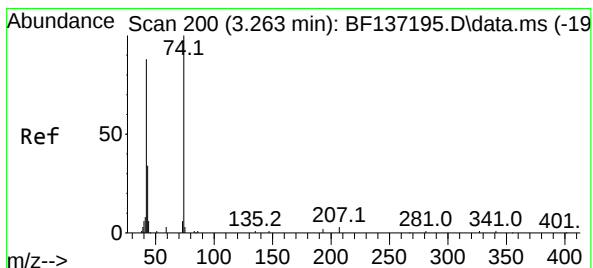
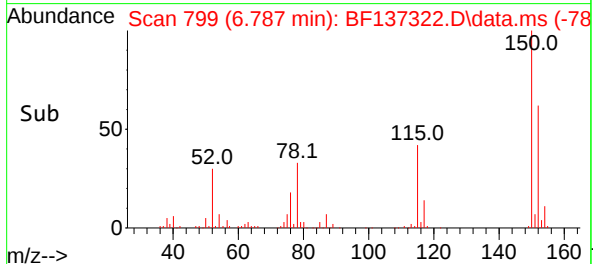
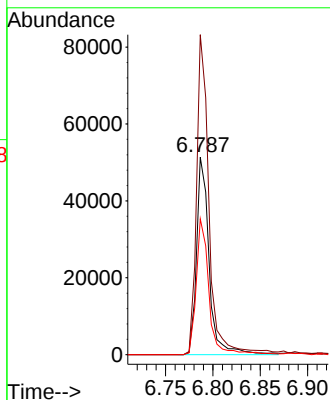
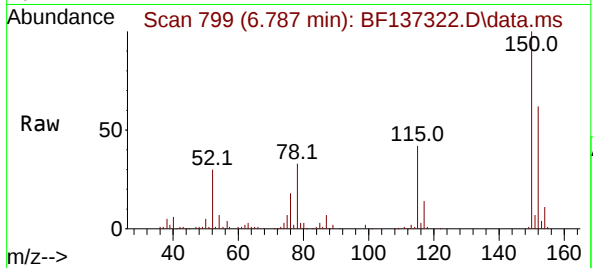




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

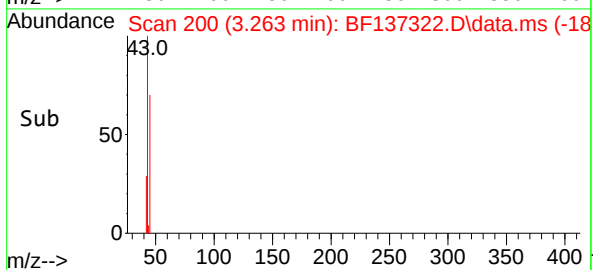
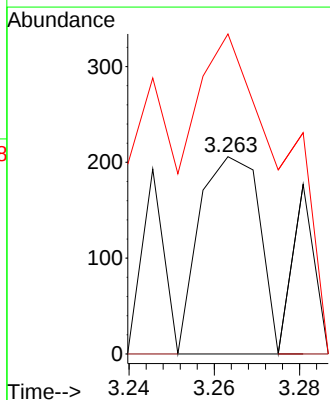
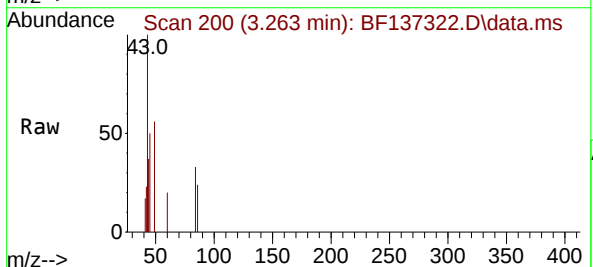
Instrument :
BNA_F
ClientSampleId :
VNJ-214

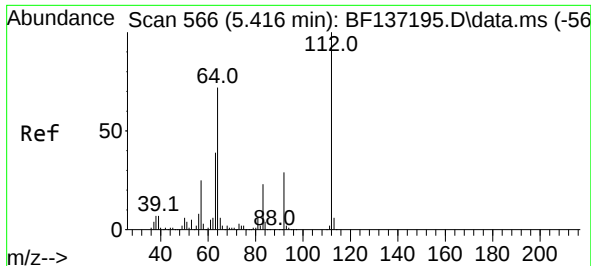
Tgt Ion:152 Resp: 47898
Ion Ratio Lower Upper
152 100
150 162.0 129.8 194.8
115 68.8 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.171 ng
RT: 3.263 min Scan# 200
Delta R.T. 0.000 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion: 42 Resp: 201
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 162.1 6.1 9.1#

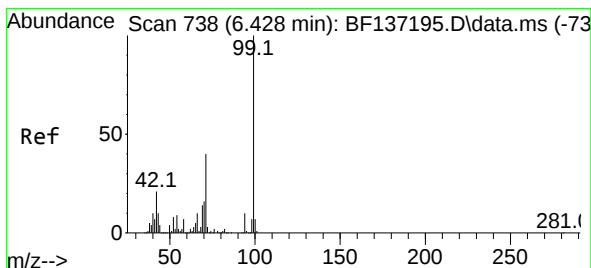
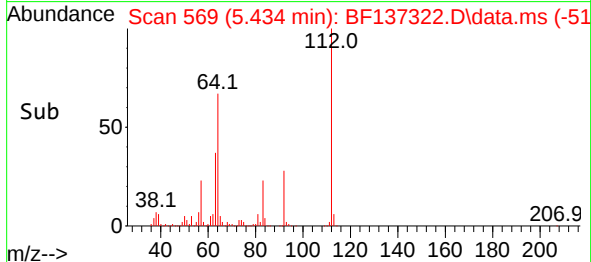
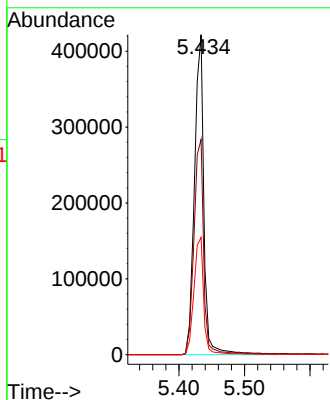
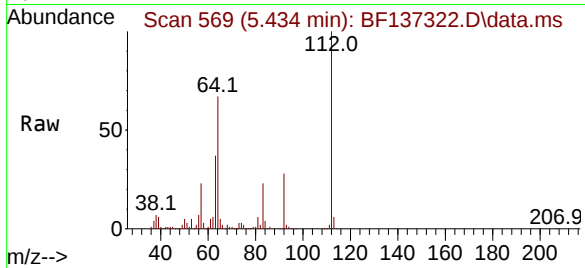




#5
2-Fluorophenol
Concen: 145.935 ng
RT: 5.434 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

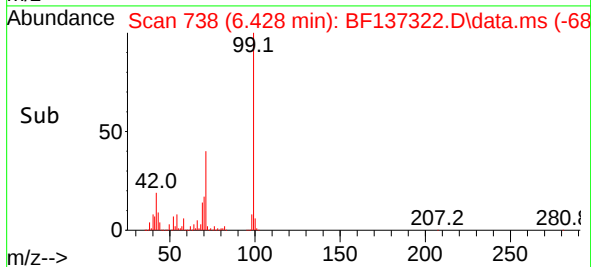
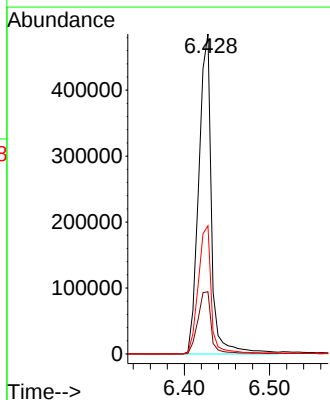
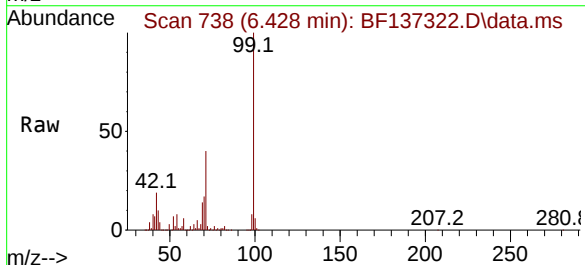
Instrument :
BNA_F
ClientSampleId :
VNJ-214

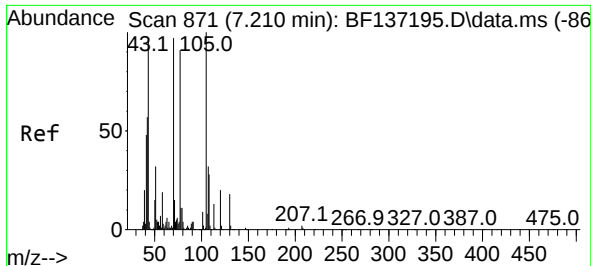
Tgt Ion:112 Resp: 423615
Ion Ratio Lower Upper
112 100
64 67.3 57.8 86.6
63 36.7 31.4 47.0



#7
Phenol-d6
Concen: 121.958 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion: 99 Resp: 505215
Ion Ratio Lower Upper
99 100
42 19.4 16.4 24.6
71 40.1 32.4 48.6

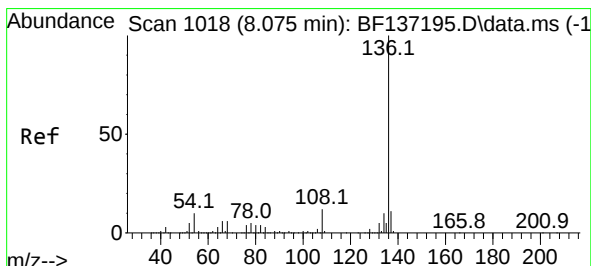
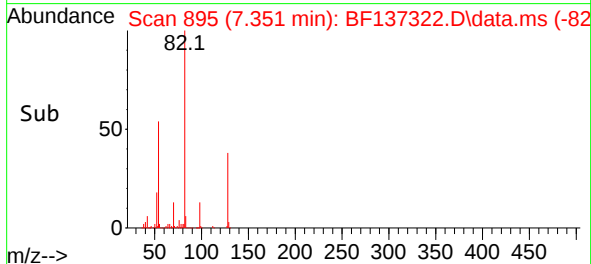
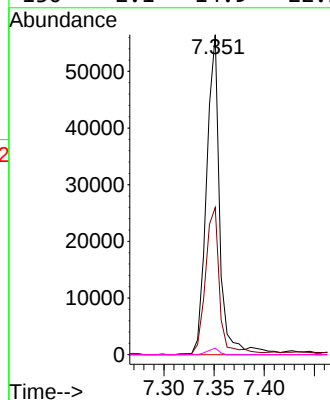
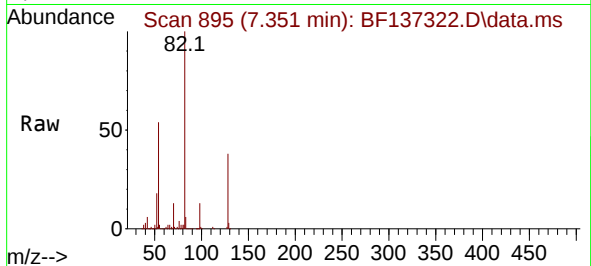




#19
n-Nitroso-di-n-propylamine
Concen: 18.432 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

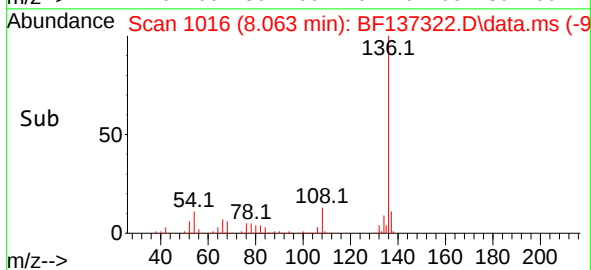
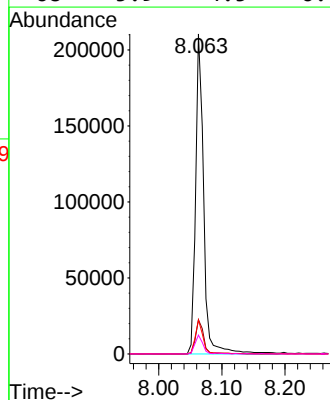
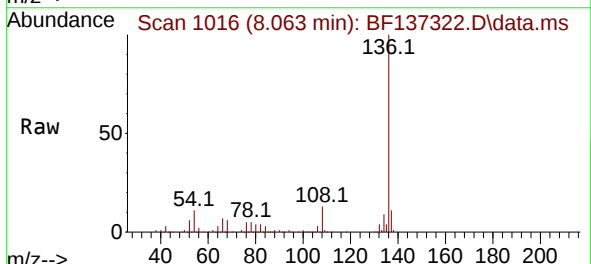
Instrument :
BNA_F
ClientSampleId :
VNJ-214

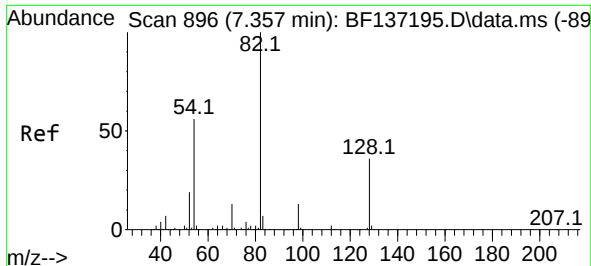
Tgt Ion:	70	Resp:	52354
Ion	Ratio	Lower	Upper
70	100		
42	46.0	47.2	70.8#
101	0.0	7.4	11.0#
130	2.1	14.9	22.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion:	136	Resp:	185745
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.7	7.8	11.8
68	5.9	4.5	6.7





#23

Nitrobenzene-d5

Concen: 96.137 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137322.D

Acq: 07 Feb 2024 16:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

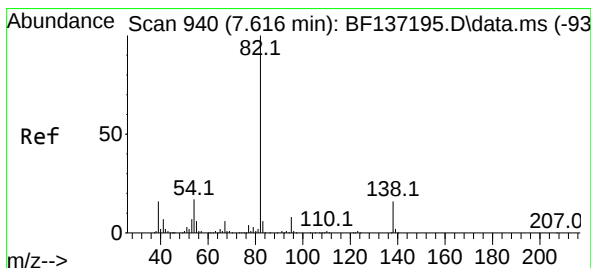
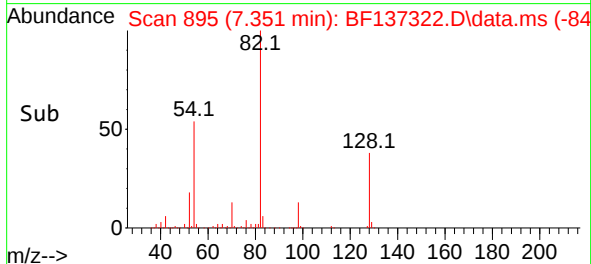
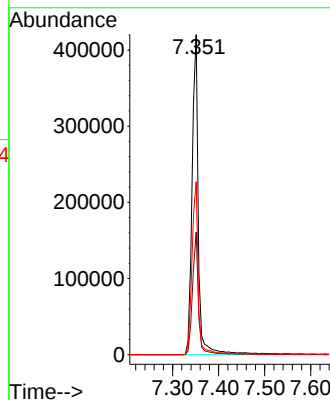
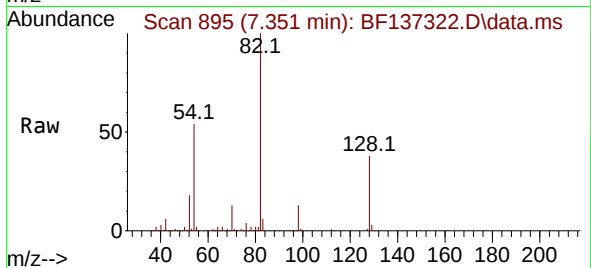
Tgt Ion: 82 Resp: 398845

Ion Ratio Lower Upper

82 100

128 38.3 29.1 43.7

54 54.1 45.0 67.6



#25

Isophorone

Concen: 52.084 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137322.D

Acq: 07 Feb 2024 16:09

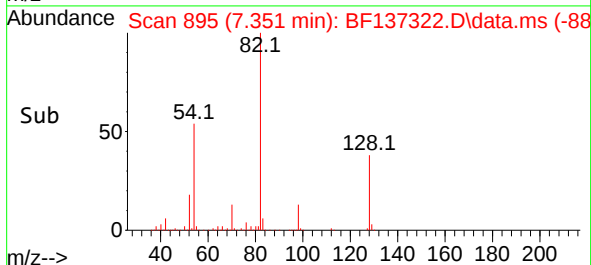
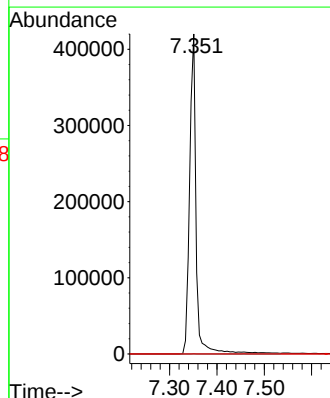
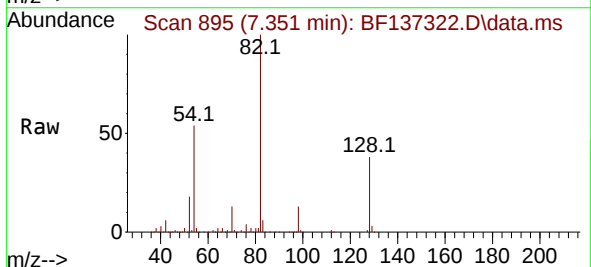
Tgt Ion: 82 Resp: 398842

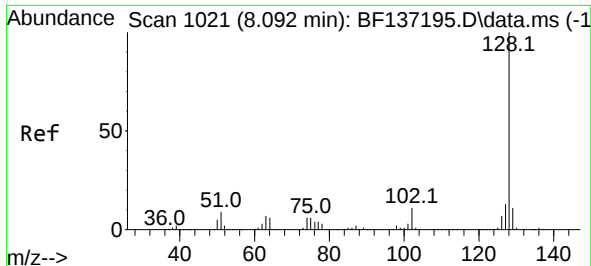
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

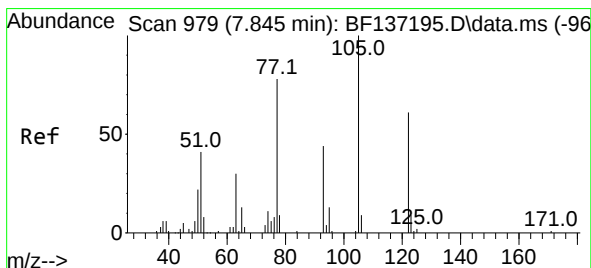
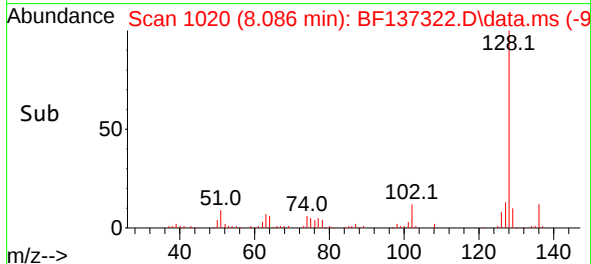
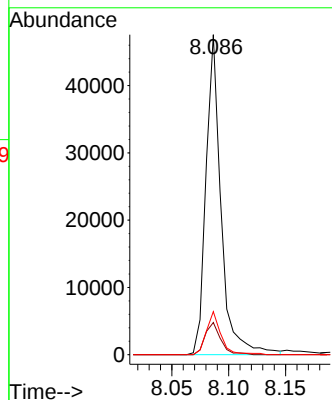
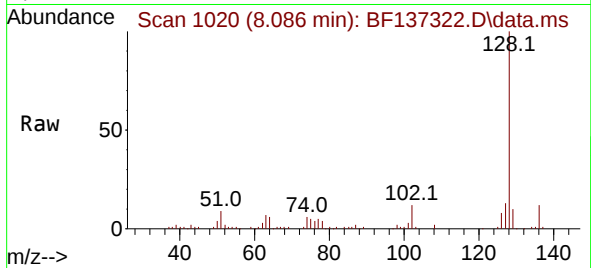




#31
Naphthalene
Concen: 4.376 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

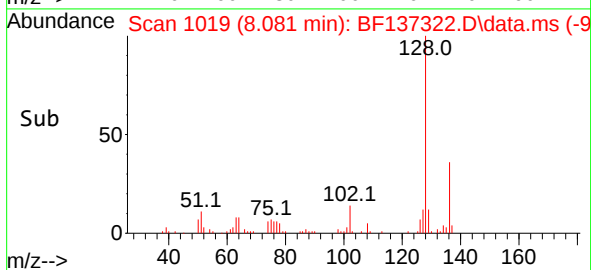
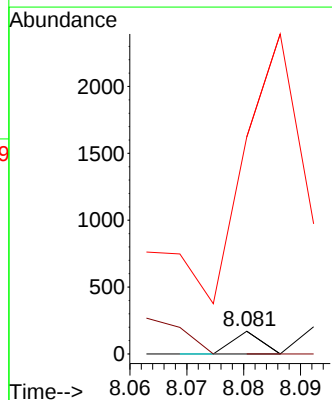
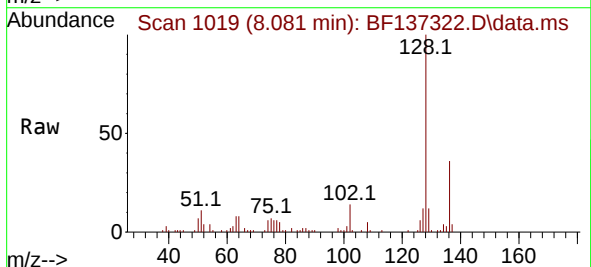
Instrument :
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VNJ-214

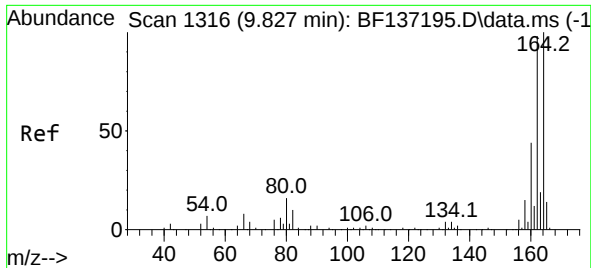
Tgt Ion:128 Resp: 43947
Ion Ratio Lower Upper
128 100
129 10.1 8.5 12.7
127 13.5 10.5 15.7



#32
Benzoic acid
Concen: 8.350 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.236 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 122.5 162.5#
77 954.7 96.4 136.4#

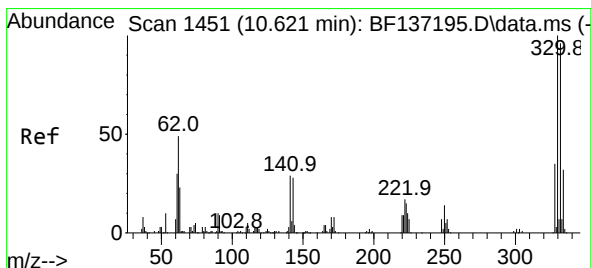
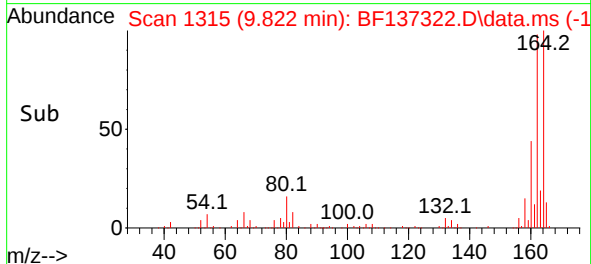
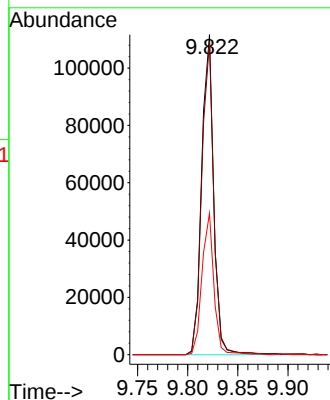
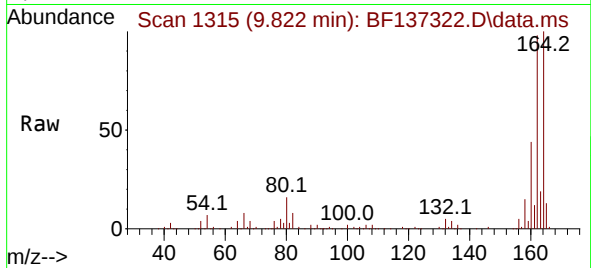




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

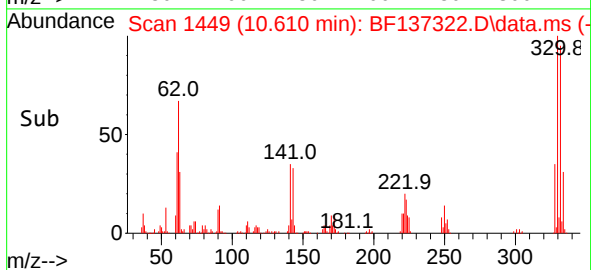
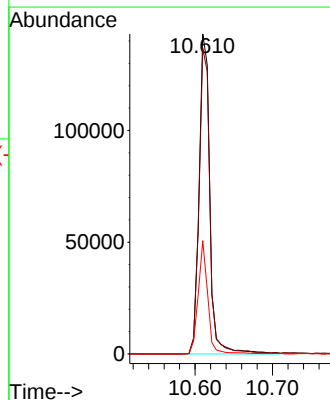
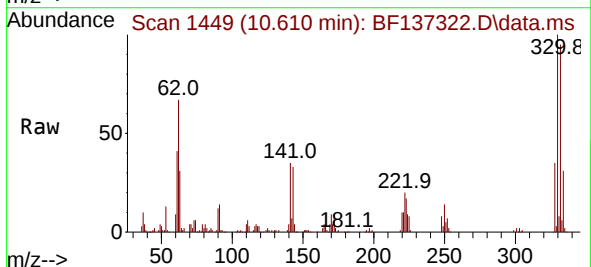
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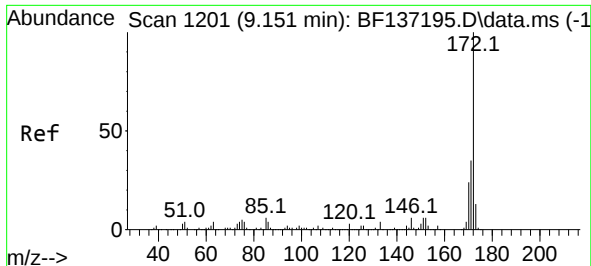
Tgt Ion:164 Resp: 93337
Ion Ratio Lower Upper
164 100
162 97.7 78.3 117.5
160 44.2 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 130.250 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion:330 Resp: 137297
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 31.8 25.2 37.8

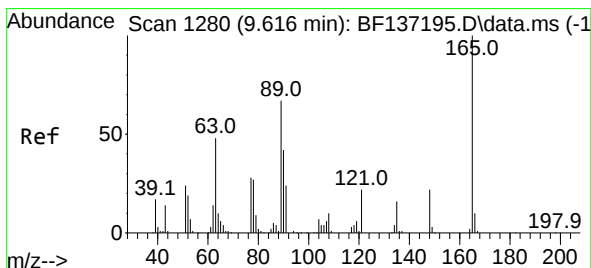
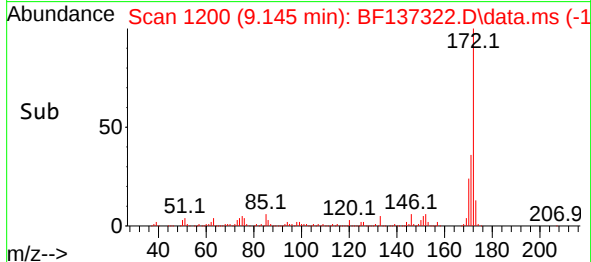
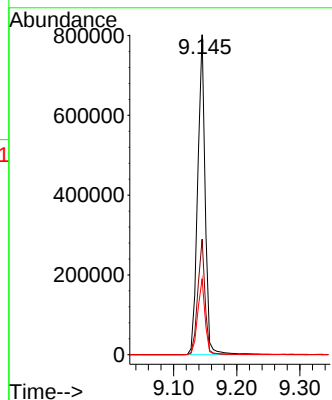
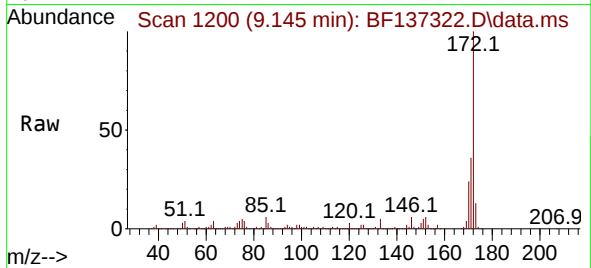




#45
2-Fluorobiphenyl
Concen: 97.264 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

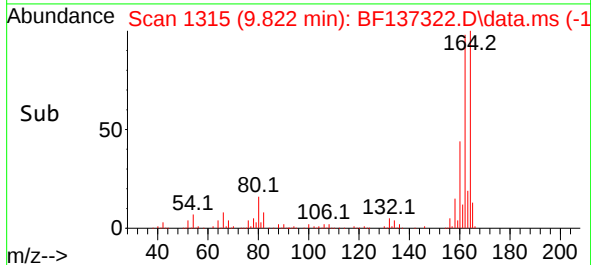
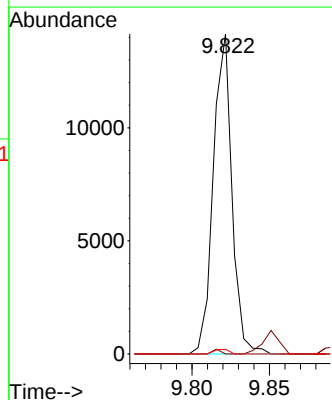
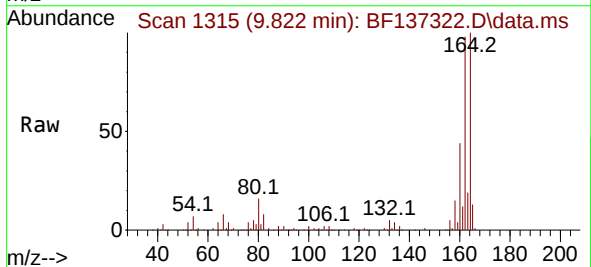
Instrument :
BNA_F
ClientSampleId :
VNJ-214

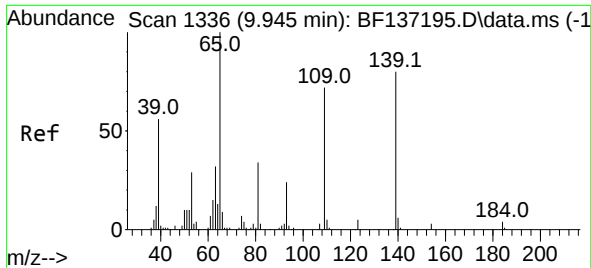
Tgt Ion:172 Resp: 660403
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.7 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 8.770 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion:165 Resp: 11792
Ion Ratio Lower Upper
165 100
63 0.0 55.1 82.7#
89 1.4 53.5 80.3#

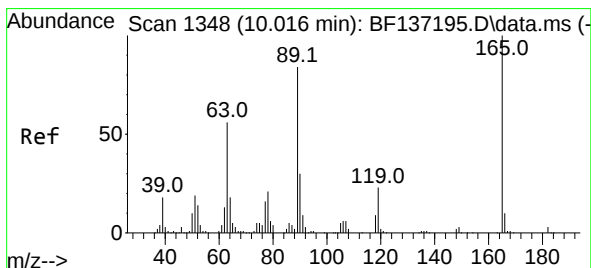
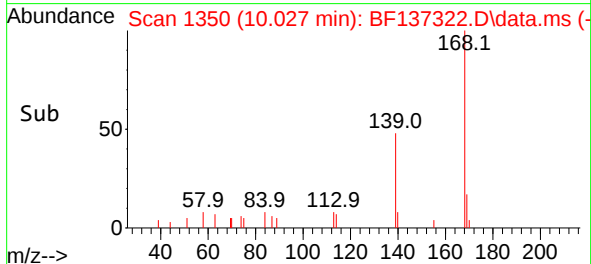
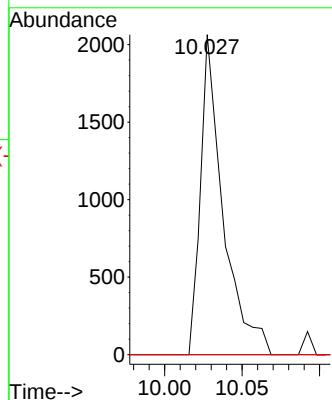
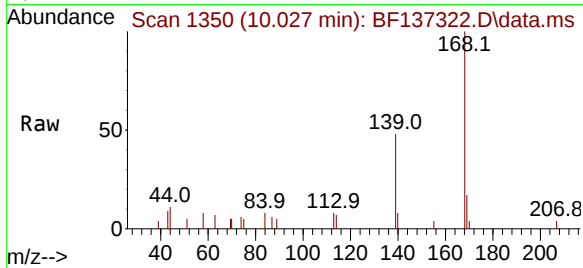




#56
4-Nitrophenol
Concen: 10.115 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

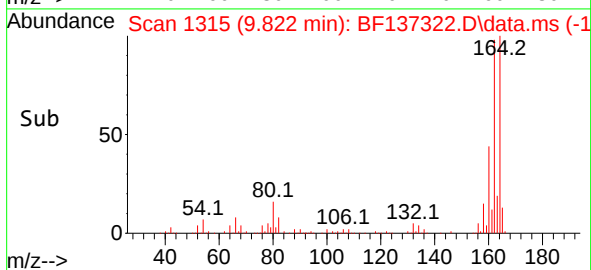
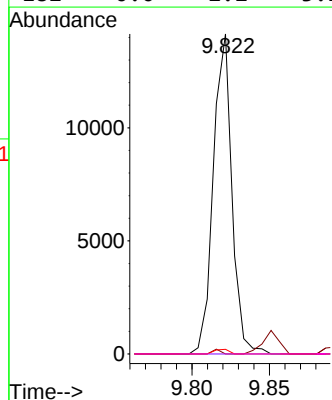
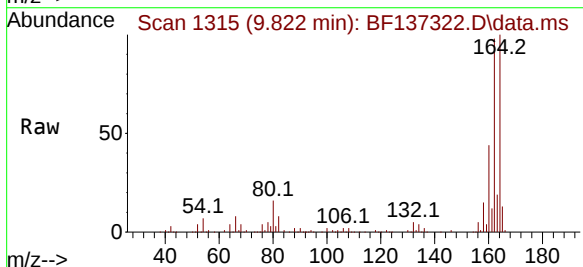
Instrument :
BNA_F
ClientSampleId :
VNJ-214

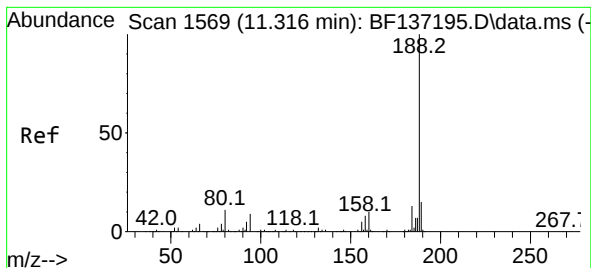
Tgt Ion:139 Resp: 2087
Ion Ratio Lower Upper
139 100
109 0.0 70.4 110.4#
65 0.0 107.6 147.6#



#57
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion:165 Resp: 11792
Ion Ratio Lower Upper
165 100
63 0.0 46.1 69.1#
89 1.4 67.5 101.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137322.D

Acq: 07 Feb 2024 16:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

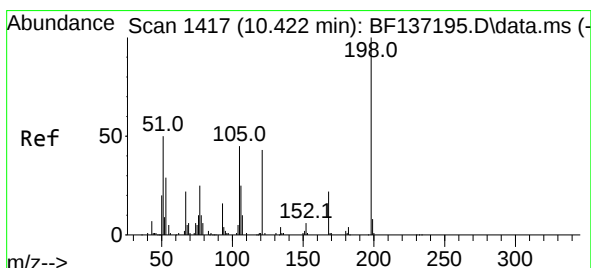
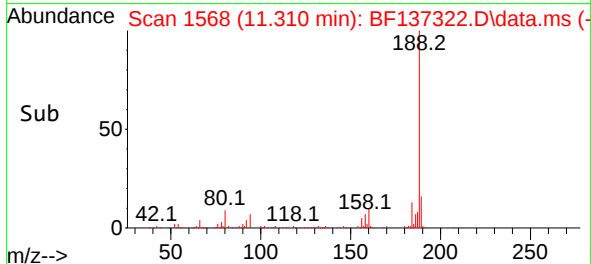
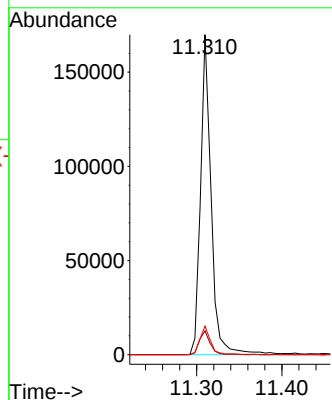
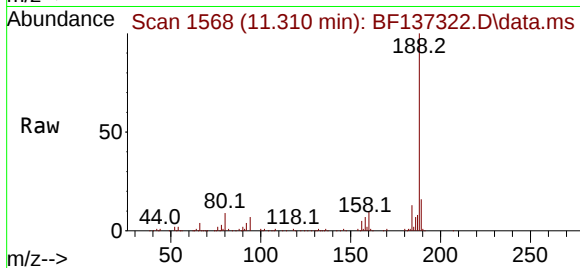
Tgt Ion:188 Resp: 147273

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 8.9 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.799 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137322.D

Acq: 07 Feb 2024 16:09

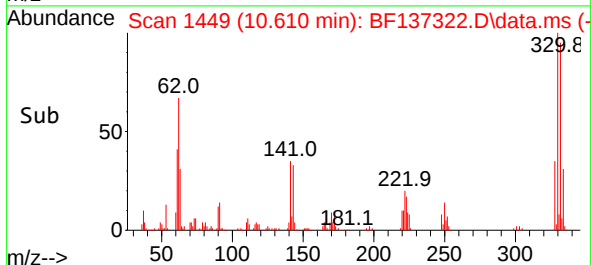
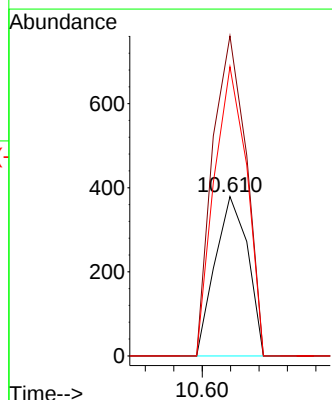
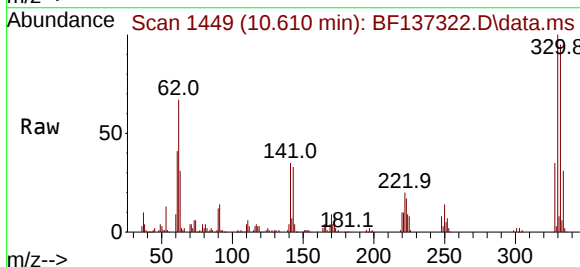
Tgt Ion:198 Resp: 303

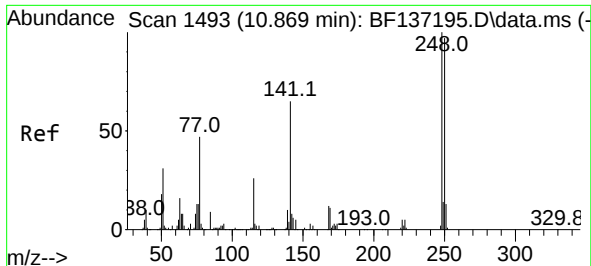
Ion Ratio Lower Upper

198 100

51 200.8 40.9 80.9#

105 181.5 26.5 66.5#

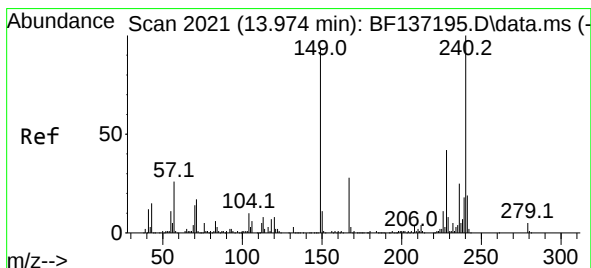
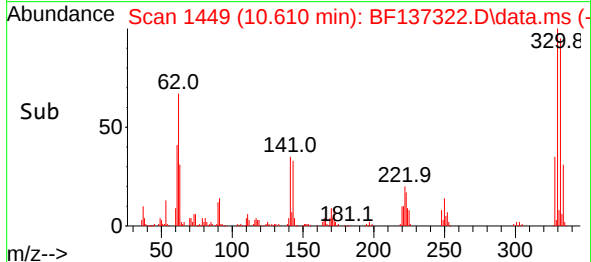
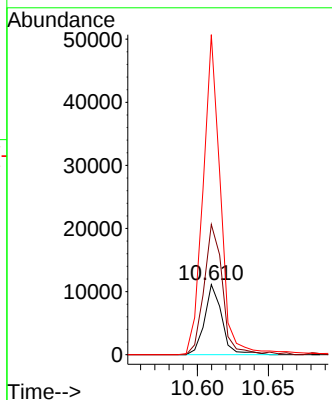
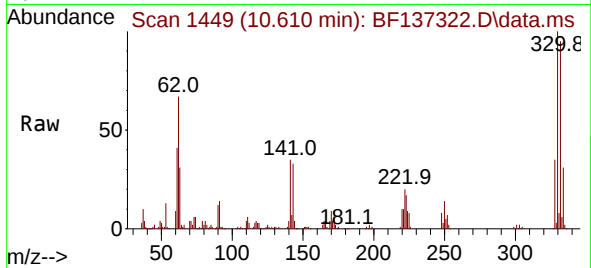




#67
4-Bromophenyl-phenylether
Concen: 5.846 ng
RT: 10.610 min Scan# 1493
Delta R.T. -0.259 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

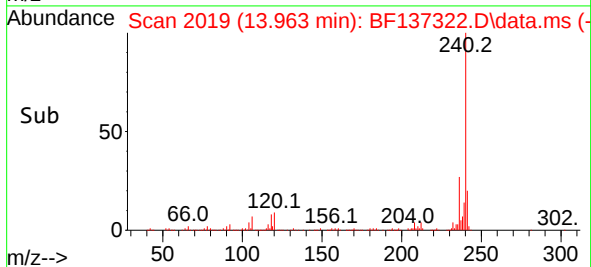
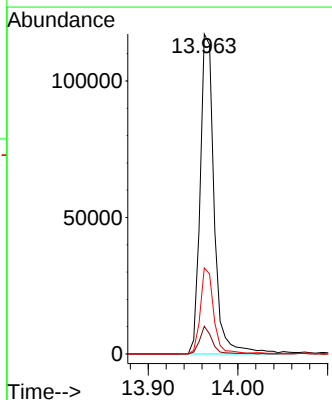
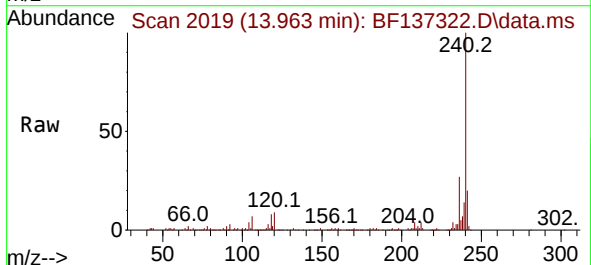
Instrument :
BNA_F
ClientSampleId :
VNJ-214

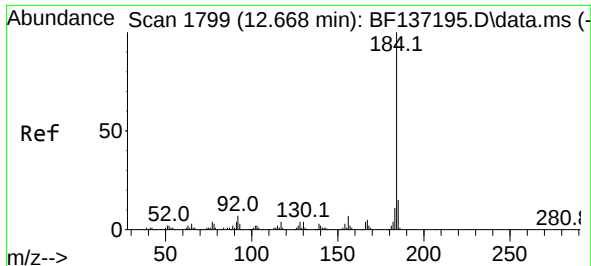
Tgt Ion:248 Resp: 9467
Ion Ratio Lower Upper
248 100
250 186.0 77.7 116.5#
141 456.8 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

Tgt Ion:240 Resp: 127345
Ion Ratio Lower Upper
240 100
120 8.7 6.3 9.5
236 26.9 20.3 30.5

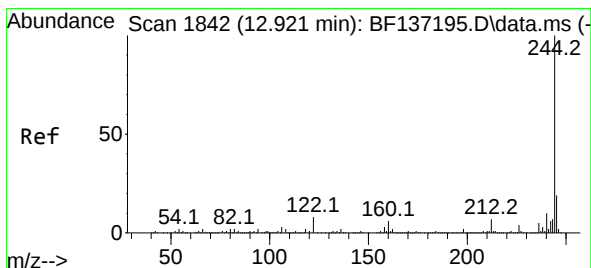
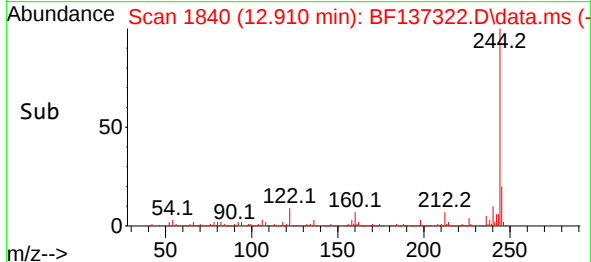
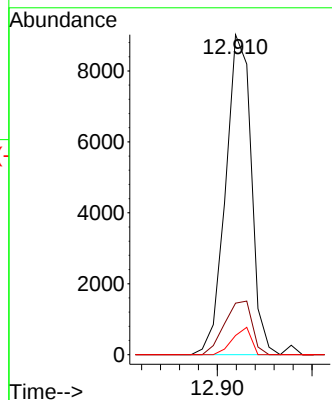
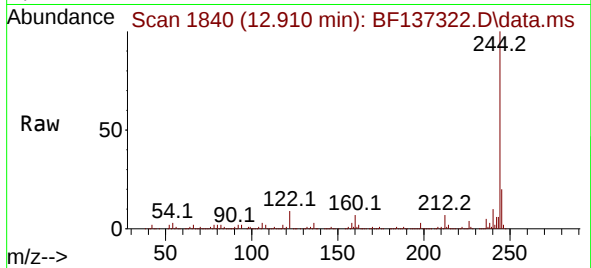




#77
Benzidine
Concen: 3.715 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.242 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

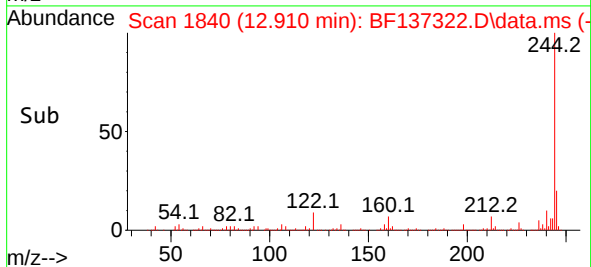
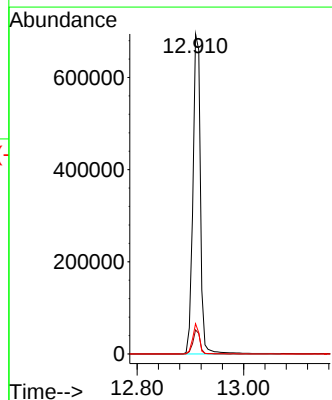
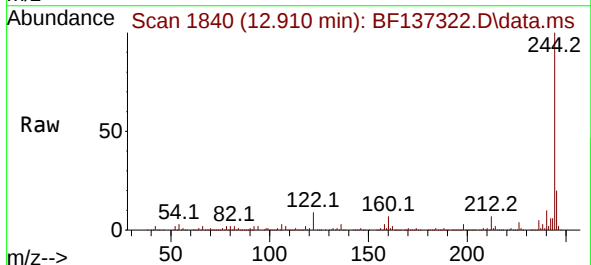
Instrument :
BNA_F
ClientSampleId :
VNJ-214

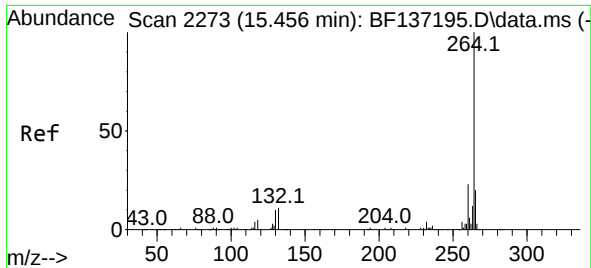
Tgt Ion:184 Resp: 8472
Ion Ratio Lower Upper
184 100
185 16.1 11.9 17.9
183 6.0 8.8 13.2#



#79
Terphenyl-d14
Concen: 72.814 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF137322.D
Acq: 07 Feb 2024 16:09

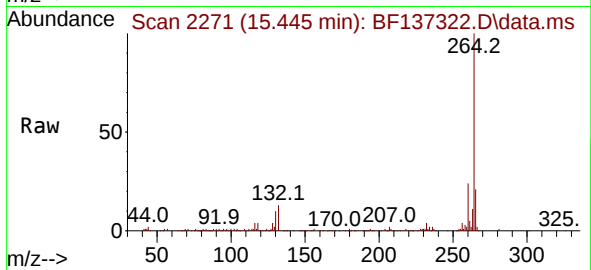
Tgt Ion:244 Resp: 682084
Ion Ratio Lower Upper
244 100
212 7.5 5.5 8.3
122 9.5 6.2 9.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF137322.D
 Acq: 07 Feb 2024 16:09

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214



Tgt Ion:264	Resp:	112340
Ion	Ratio	Lower Upper
264	100	
260	23.7	18.2 27.4
265	21.1	16.2 24.2

