

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136469.D
 Acq On : 08 Dec 2023 16:04
 Operator : CG\JU
 Sample : 05629-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216

Quant Time: Dec 08 16:27:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

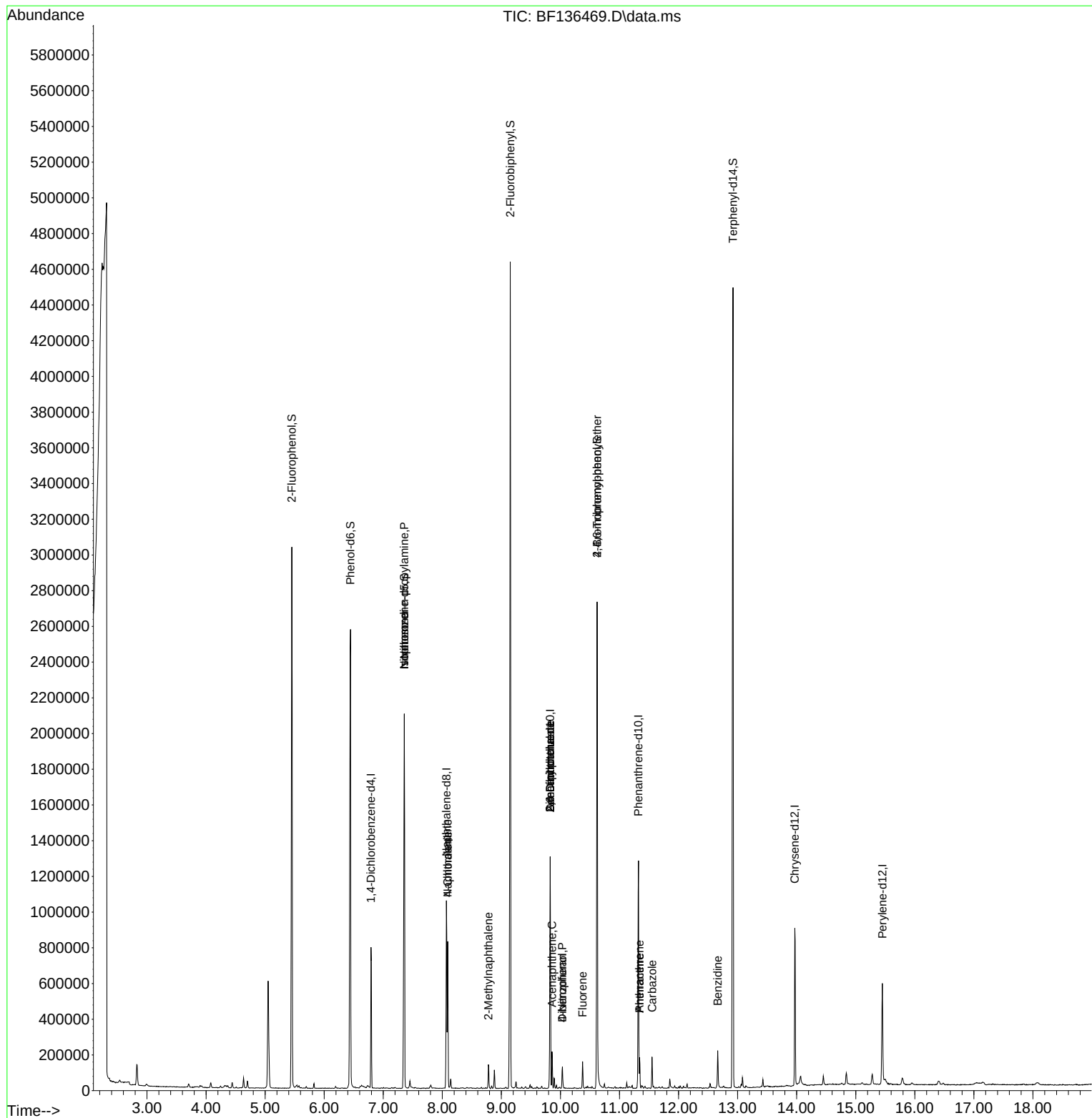
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	119423	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	485790	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	249652	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	463735	20.000	ng	0.00
76) Chrysene-d12	13.968	240	305088	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	250443	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	939805	116.220	ng	0.02
7) Phenol-d6	6.445	99	1091890	108.225	ng	0.00
23) Nitrobenzene-d5	7.357	82	791920	88.128	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	383715	124.654	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1569316	85.773	ng	-0.01
79) Terphenyl-d14	12.921	244	1688091	72.929	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	244	Below Cal	#	56
19) n-Nitroso-di-n-propyla...	7.357	70	103324	17.753	ng	# 76
25) Isophorone	7.357	82	791905	49.051	ng	# 65
31) Naphthalene	8.092	128	354808	13.244	ng	# 98
33) 4-Chloroaniline	8.092	127	46136	4.831	ng	# 33
37) 2-Methylnaphthalene	8.780	142	37568	2.204	ng	# 87
50) Dimethylphthalate	9.827	163	50083	2.725	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	32996	7.980	ng	# 29
52) Acenaphthene	9.857	154	42096	2.789	ng	100
55) Dibenzofuran	10.033	168	45723	2.074	ng	95
56) 4-Nitrophenol	10.033	139	16651	5.260	ng	# 10
57) 2,4-Dinitrotoluene	9.827	165	32996	6.032	ng	# 28
58) Fluorene	10.374	166	38528	2.177	ng	92
67) 4-Bromophenyl-phenylether	10.621	248	22855	4.239	ng	# 1
71) Phenanthrene	11.339	178	60027	2.355	ng	99
72) Anthracene	11.339	178	60027	2.338	ng	99
73) Carbazole	11.551	167	63987	2.816	ng	98
77) Benzidine	12.663	184	77934	17.177	ng	99

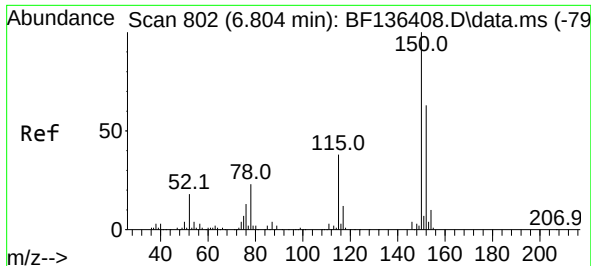
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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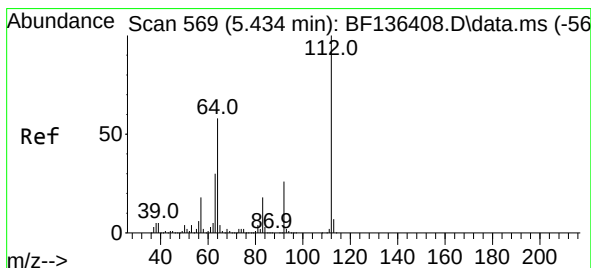
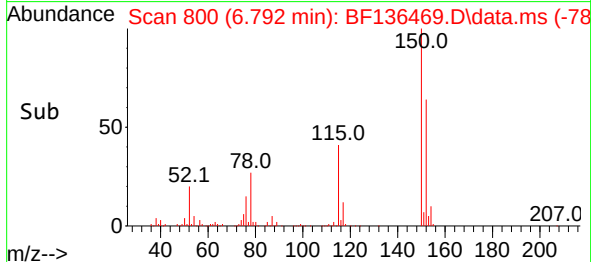
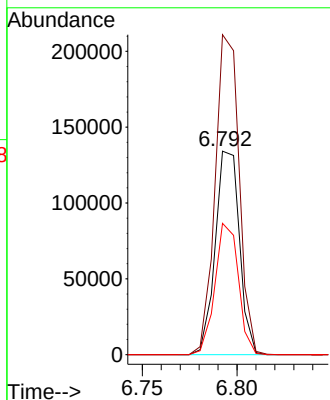
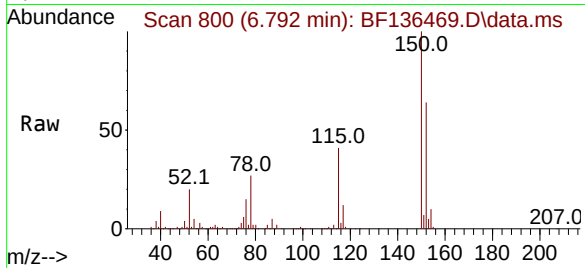




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

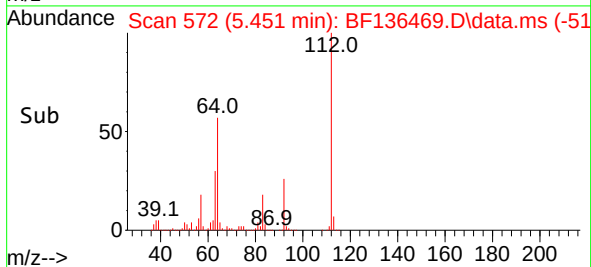
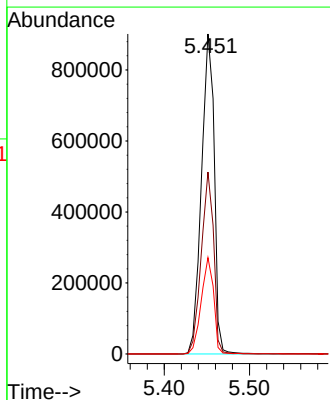
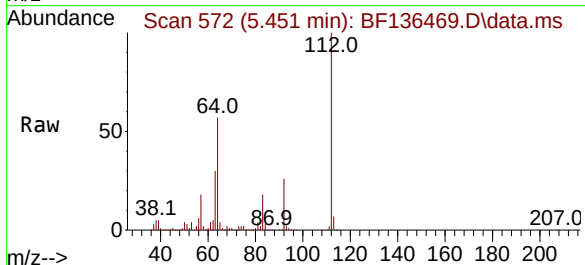
Instrument :
BNA_F
ClientSampleId :
VNJ-216

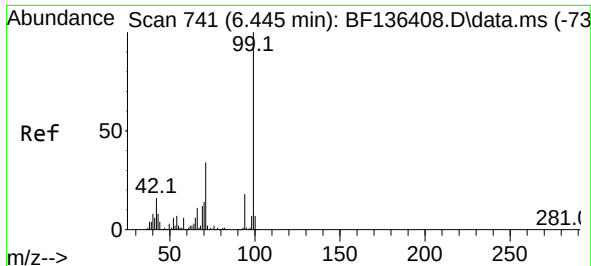
Tgt Ion:152 Resp: 119423
Ion Ratio Lower Upper
152 100
150 157.2 126.4 189.6
115 64.5 48.2 72.4



#5
2-Fluorophenol
Concen: 116.220 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.018 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:112 Resp: 939805
Ion Ratio Lower Upper
112 100
64 56.8 46.5 69.7
63 30.1 23.9 35.9

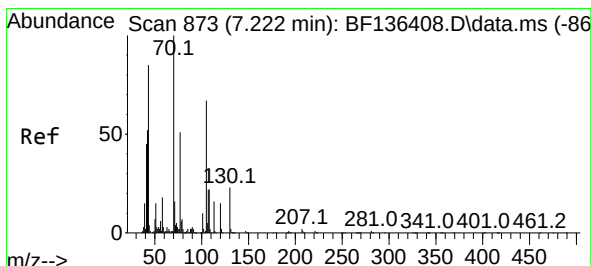
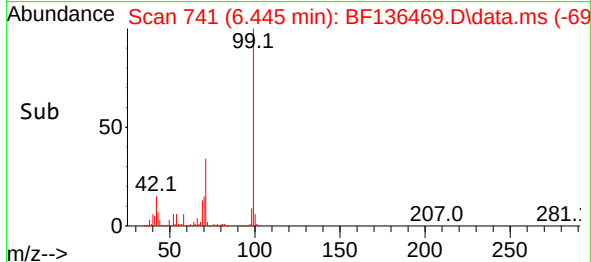
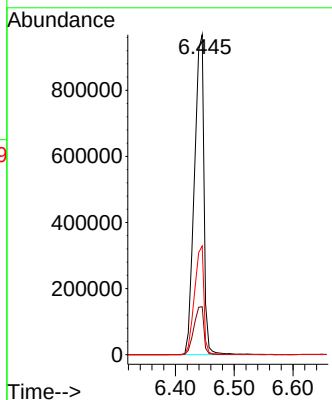
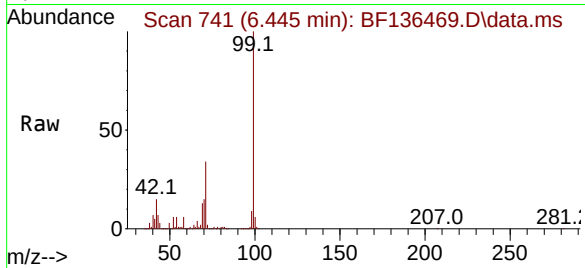




#7
Phenol-d6
Concen: 108.225 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

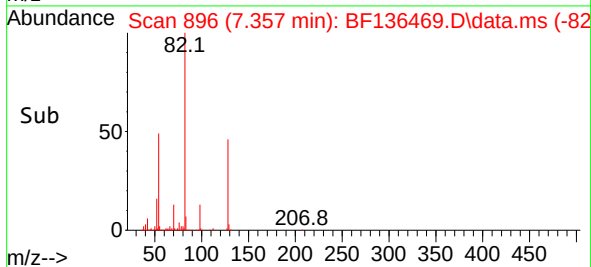
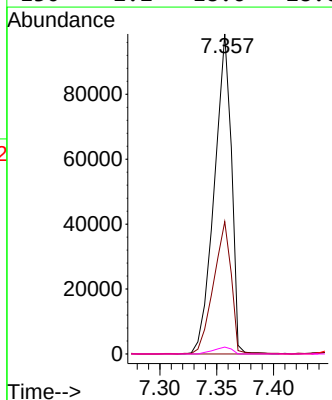
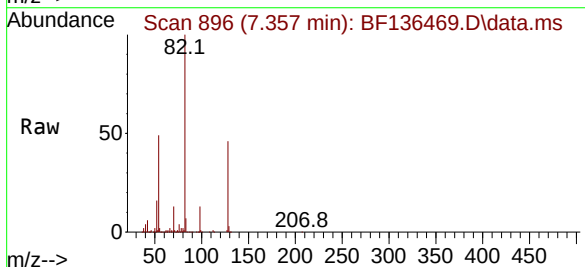
Instrument :
BNA_F
ClientSampleId :
VNJ-216

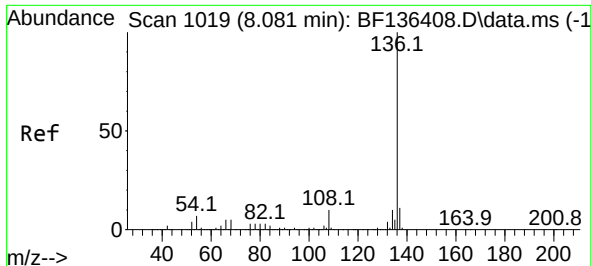
Tgt Ion: 99 Resp: 1091890
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 34.0 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.753 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion: 70 Resp: 103324
Ion Ratio Lower Upper
70 100
42 41.3 41.4 62.0#
101 0.0 8.2 12.4#
130 2.2 18.6 28.0#

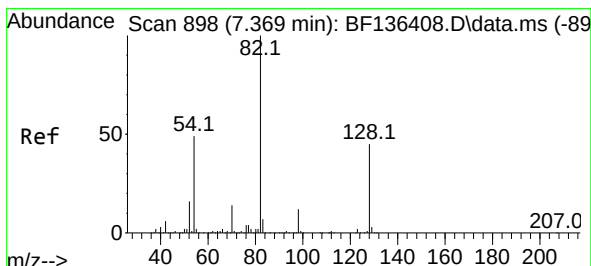
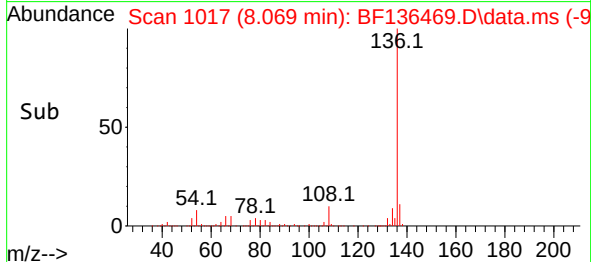
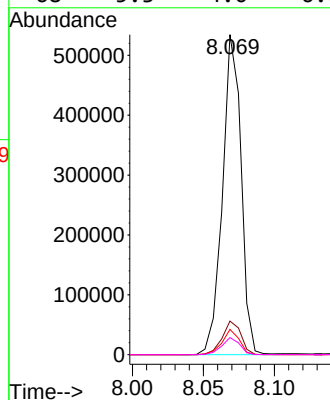
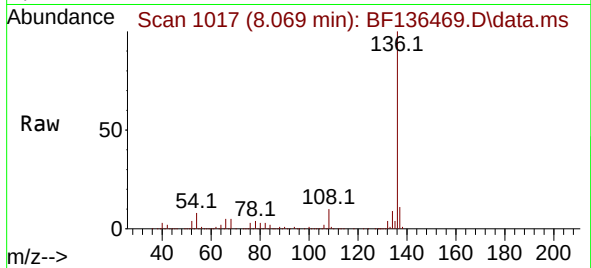




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

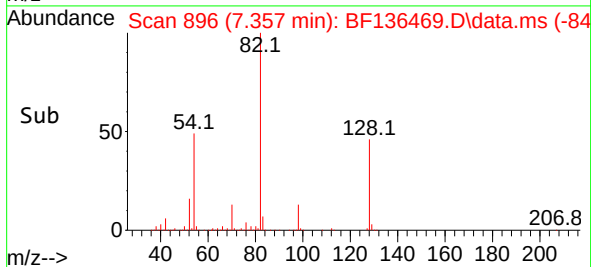
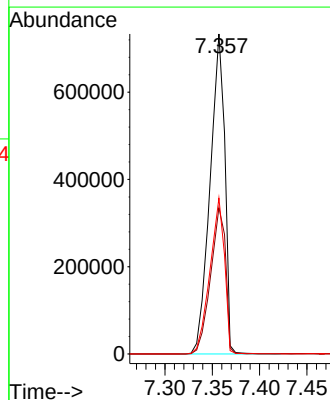
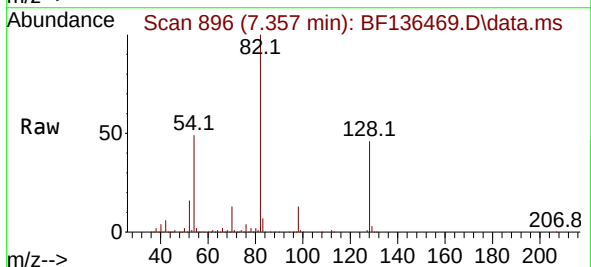
Instrument :
BNA_F
ClientSampleId :
VNJ-216

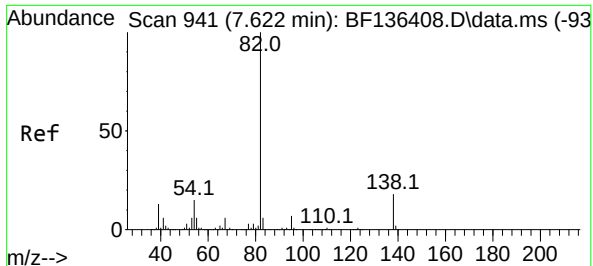
Tgt Ion:136	Resp:	485790	
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	7.9	5.7	8.5
68	5.3	4.0	6.0



#23
Nitrobenzene-d5
Concen: 88.128 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion: 82	Resp: 791920
Ion Ratio	Lower Upper
82 100	
128 45.7	36.3 54.5
54 48.7	39.0 58.6

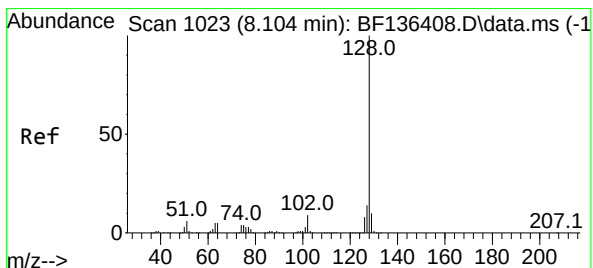
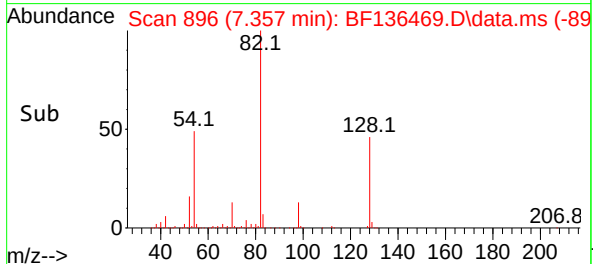
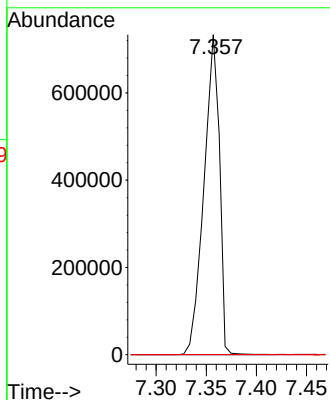
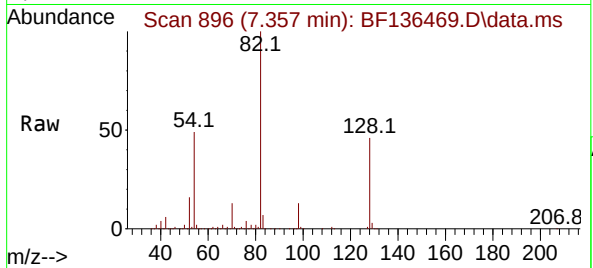




#25
Isophorone
Concen: 49.051 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

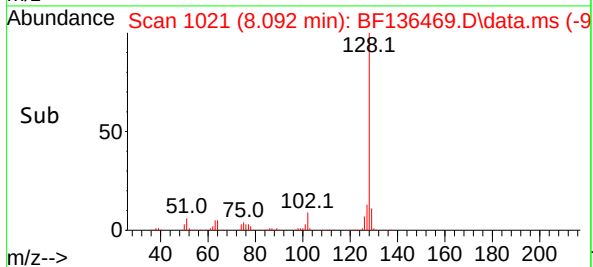
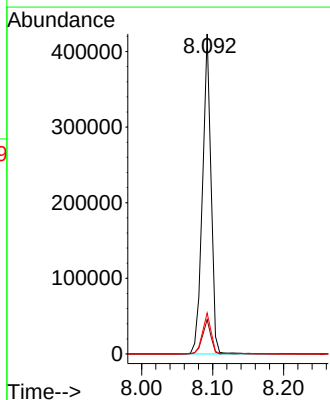
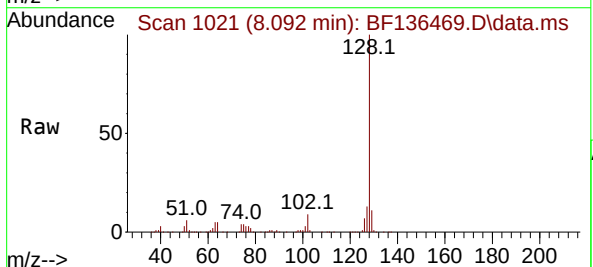
Instrument :
BNA_F
ClientSampleId :
VNJ-216

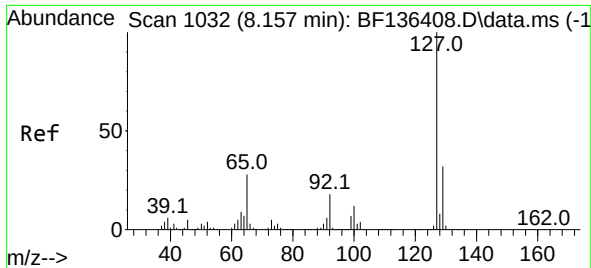
Tgt Ion: 82 Resp: 791905
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 13.244 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion: 128 Resp: 354808
Ion Ratio Lower Upper
128 100
129 10.8 8.3 12.5
127 12.8 11.1 16.7

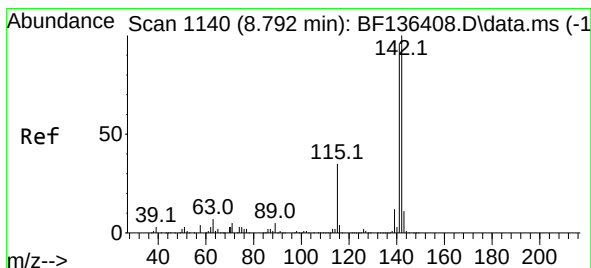
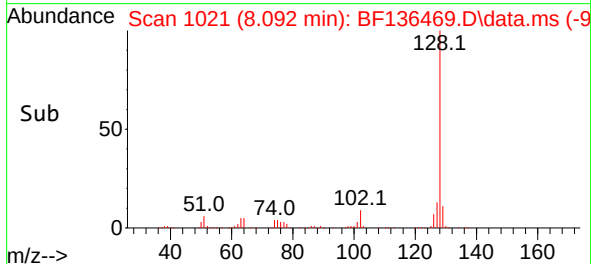
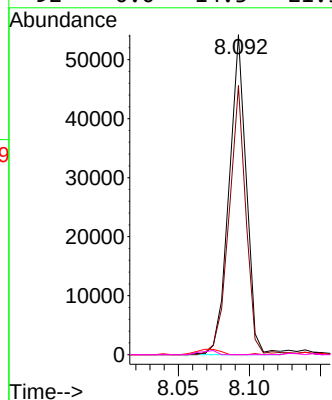
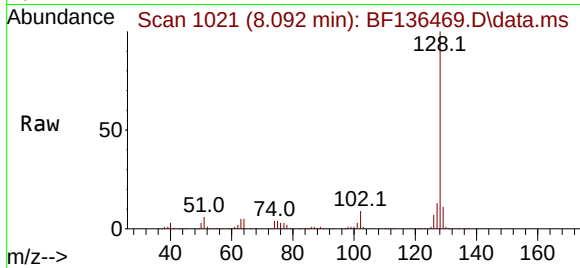




#33
4-Chloroaniline
Concen: 4.831 ng
RT: 8.092 min Scan# 1138
Delta R.T. -0.065 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

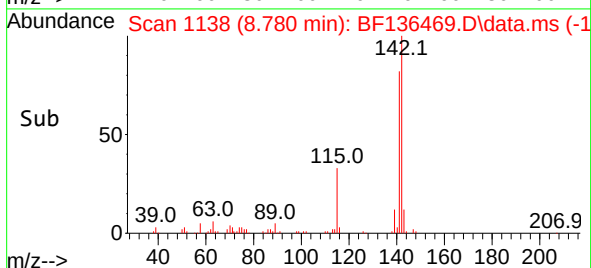
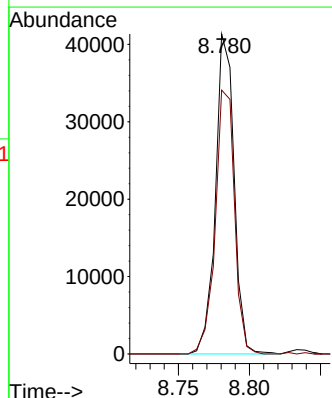
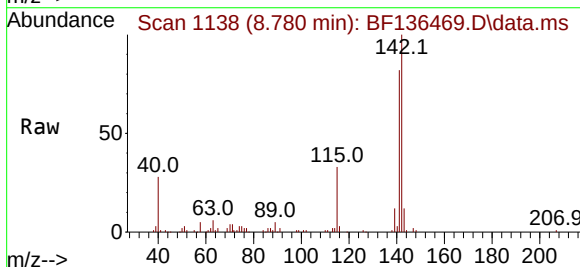
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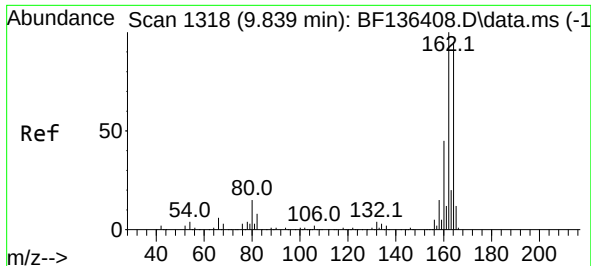
Tgt Ion:127	Resp:	46136
Ion Ratio	Lower	Upper
127	100	
129	84.1	25.4 38.2#
65	0.0	22.5 33.7#
92	0.0	14.3 21.5#



#37
2-Methylnaphthalene
Concen: 2.204 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:142	Resp:	37568
Ion Ratio	Lower	Upper
142	100	
141	82.5	76.4 114.6

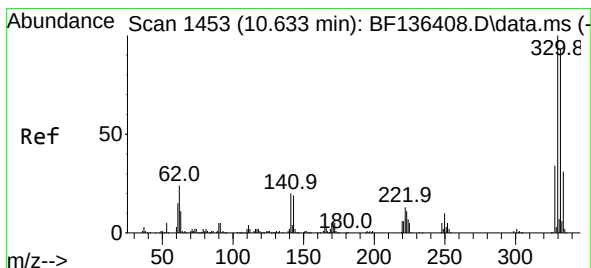
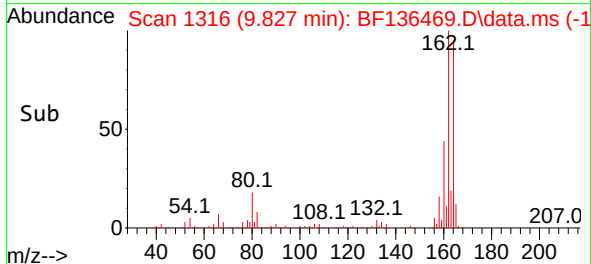
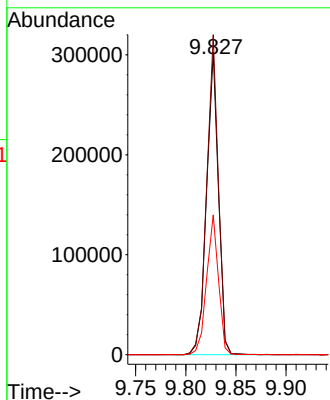
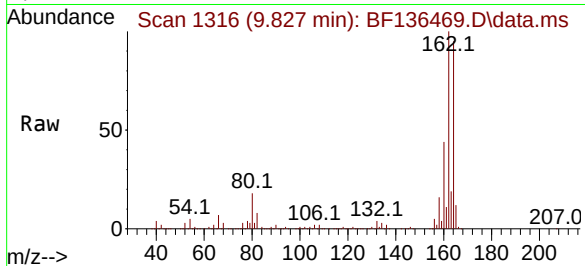




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

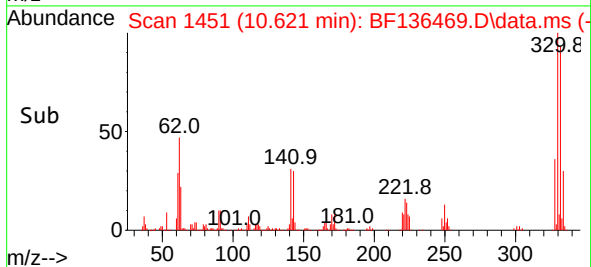
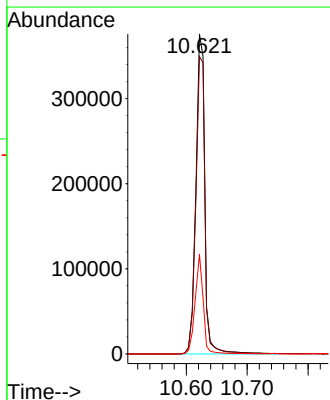
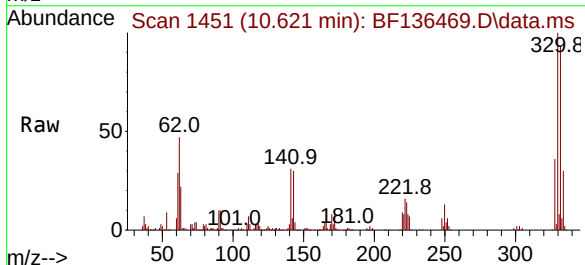
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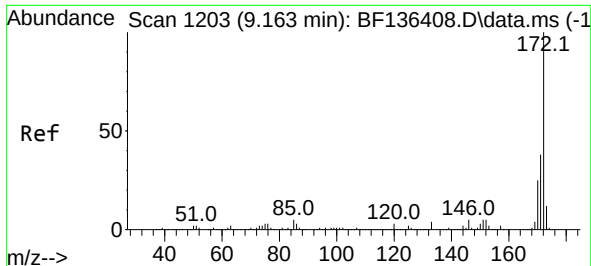
Tgt Ion:164 Resp: 249652
Ion Ratio Lower Upper
164 100
162 105.7 84.4 126.6
160 46.2 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 124.654 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:330 Resp: 383715
Ion Ratio Lower Upper
330 100
332 94.9 76.4 114.6
141 28.4 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 85.773 ng

RT: 9.151 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

VNJ-216

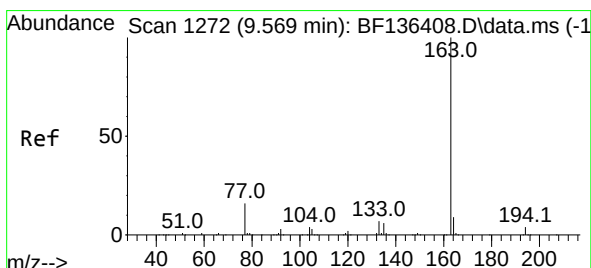
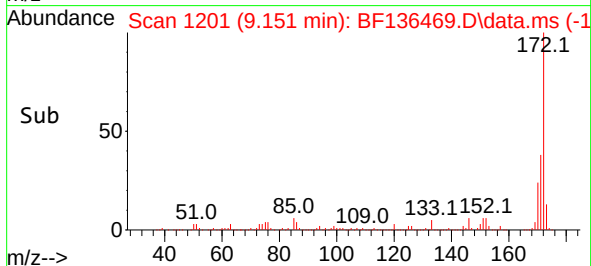
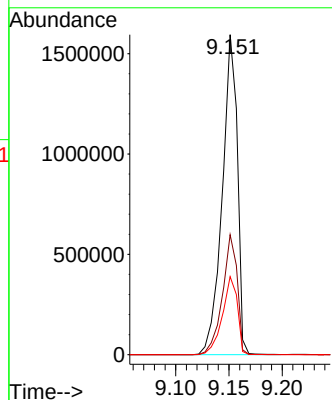
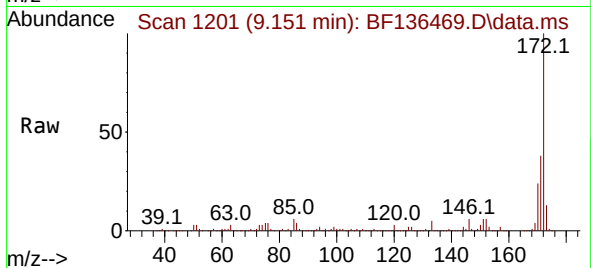
Tgt Ion:172 Resp: 1569316

Ion Ratio Lower Upper

172 100

171 37.5 30.5 45.7

170 24.4 19.9 29.9



#50

Dimethylphthalate

Concen: 2.725 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

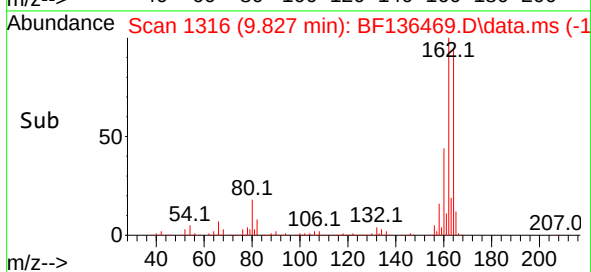
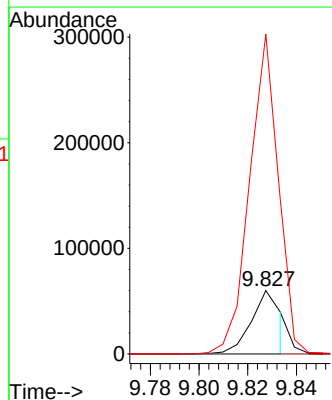
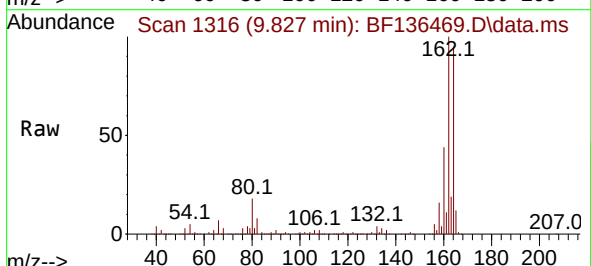
Tgt Ion:163 Resp: 50083

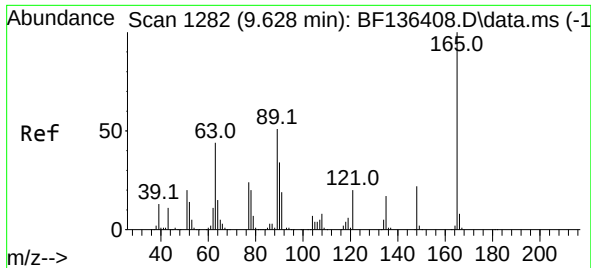
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 504.4 7.4 11.2#





#51

2,6-Dinitrotoluene

Concen: 7.980 ng

RT: 9.827 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

VNJ-216

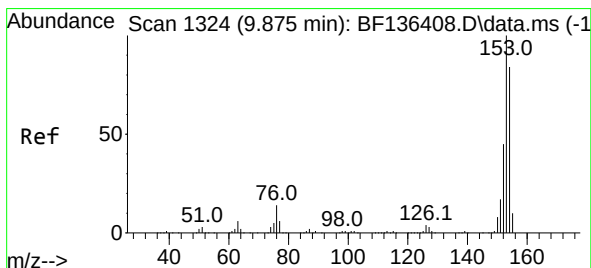
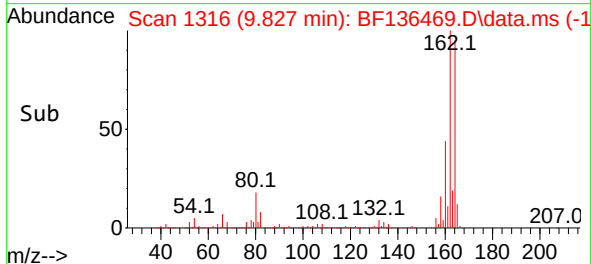
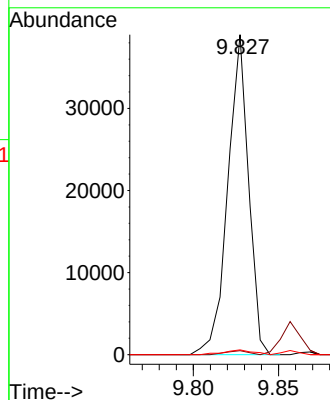
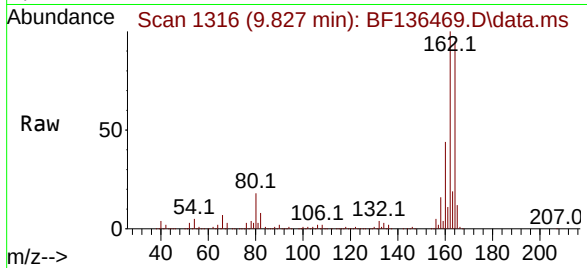
Tgt Ion:165 Resp: 32996

Ion Ratio Lower Upper

165 100

63 1.2 40.4 60.6#

89 1.5 40.6 60.8#



#52

Acenaphthene

Concen: 2.789 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.018 min

Lab File: BF136469.D

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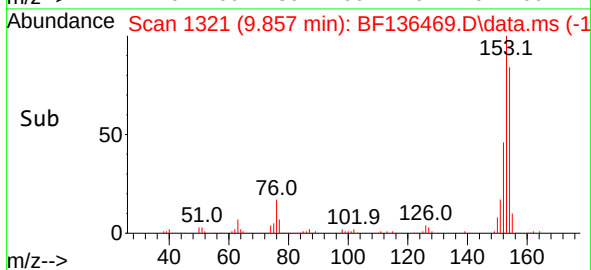
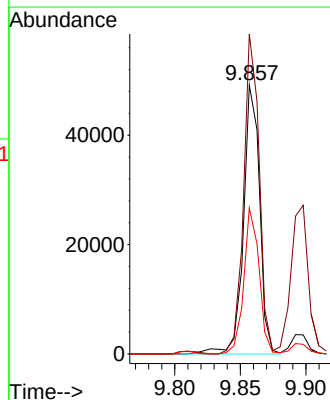
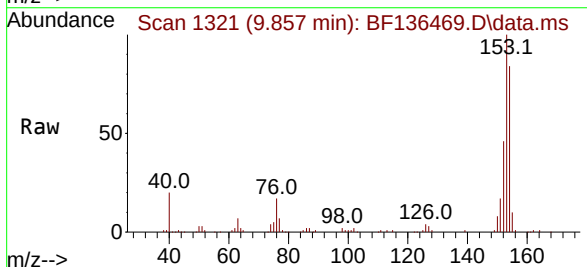
Tgt Ion:154 Resp: 42096

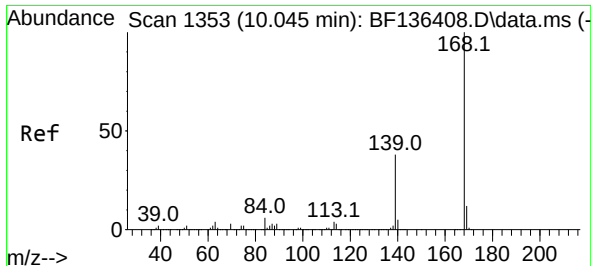
Ion Ratio Lower Upper

154 100

153 119.0 95.3 142.9

152 54.3 43.2 64.8

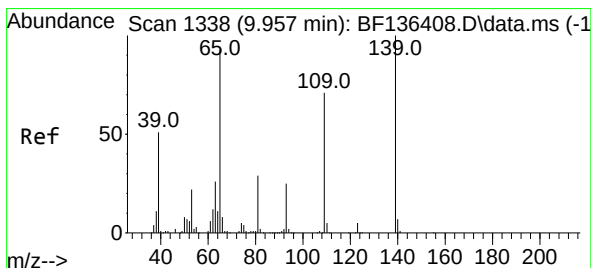
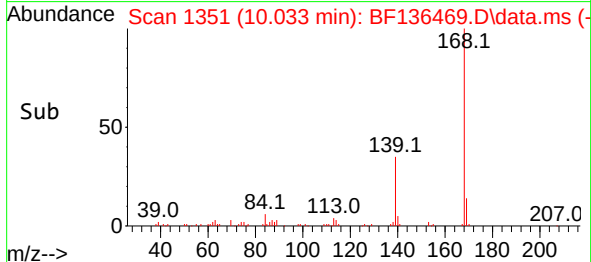
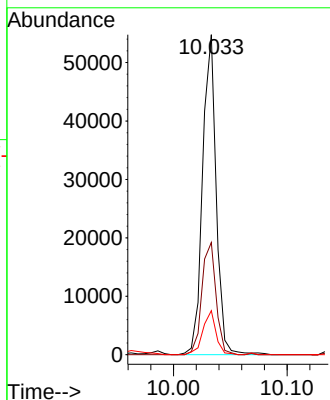
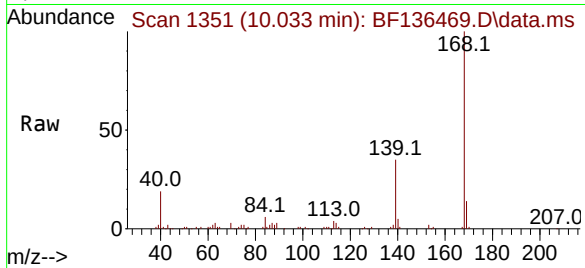




#55
Dibenzenofuran
Concen: 2.074 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

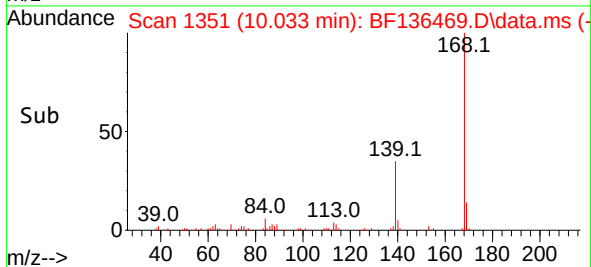
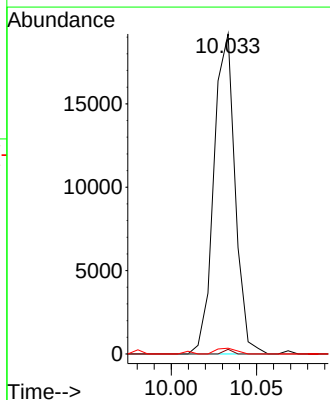
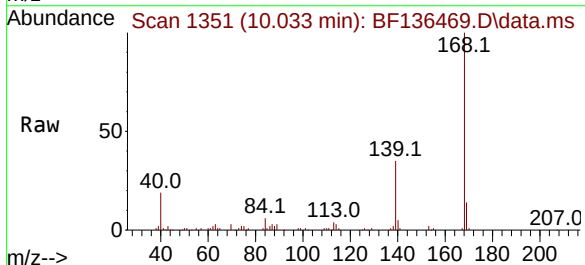
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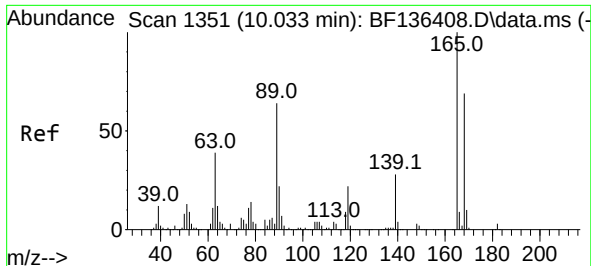
Tgt Ion:168 Resp: 45723
Ion Ratio Lower Upper
168 100
139 35.0 30.4 45.6
169 13.7 9.9 14.9



#56
4-Nitrophenol
Concen: 5.260 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.076 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:139 Resp: 16651
Ion Ratio Lower Upper
139 100
109 1.5 50.6 90.6#
65 1.8 73.1 113.1#

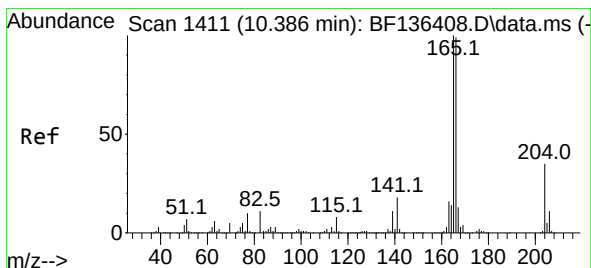
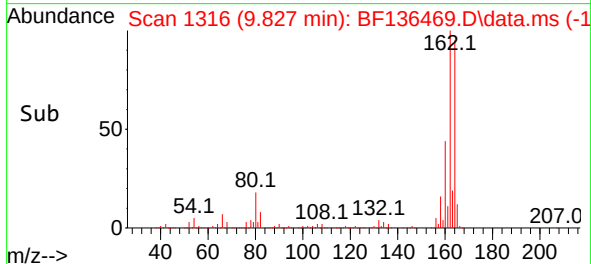
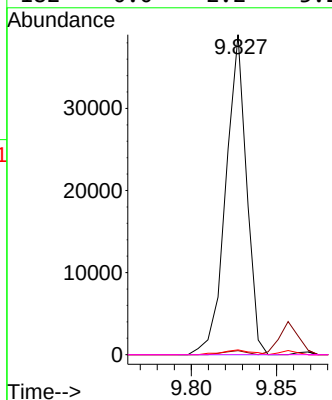
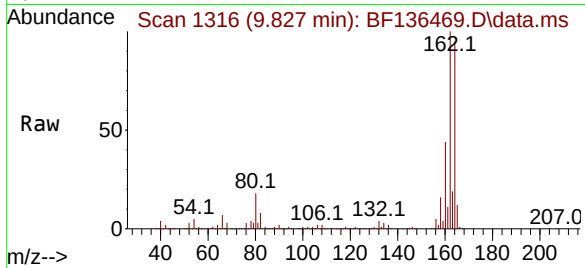




#57
2,4-Dinitrotoluene
Concen: 6.032 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

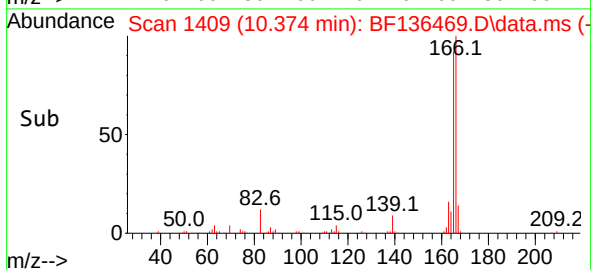
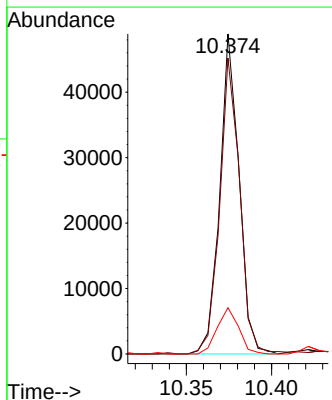
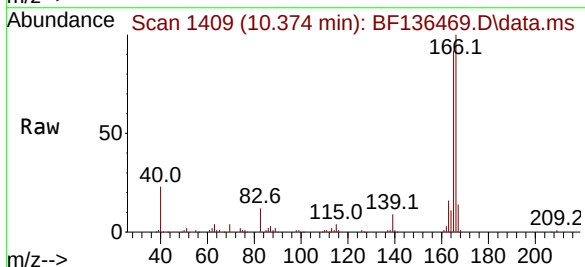
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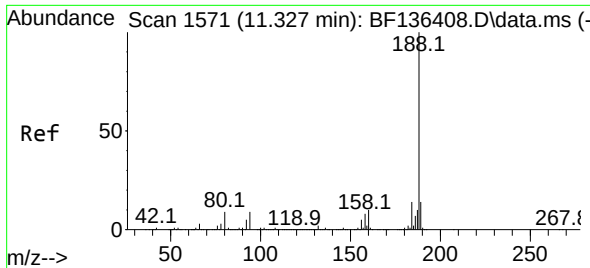
Tgt Ion:165 Resp: 32996
Ion Ratio Lower Upper
165 100
63 1.2 31.4 47.2#
89 1.5 51.7 77.5#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.177 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:166 Resp: 38528
Ion Ratio Lower Upper
166 100
165 92.5 80.5 120.7
167 14.5 10.5 15.7

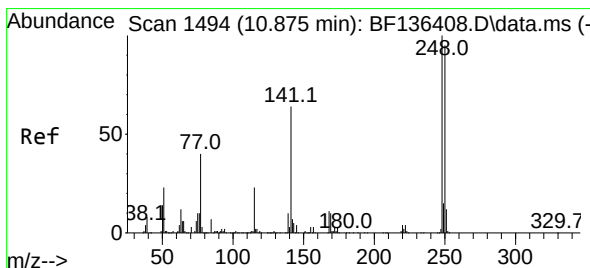
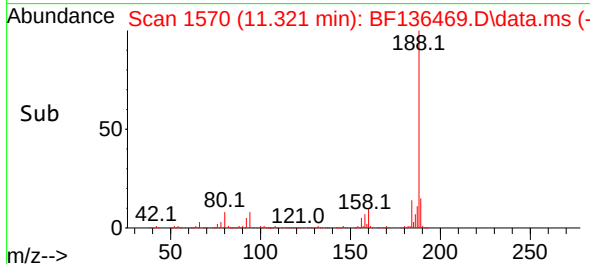
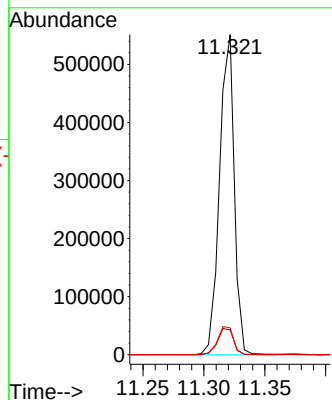
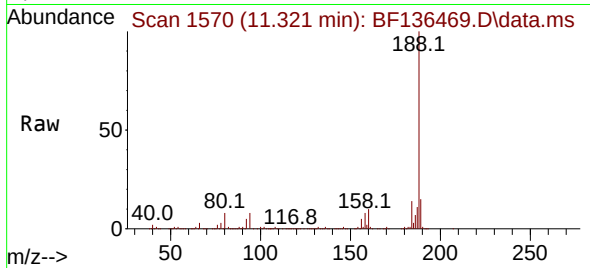




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

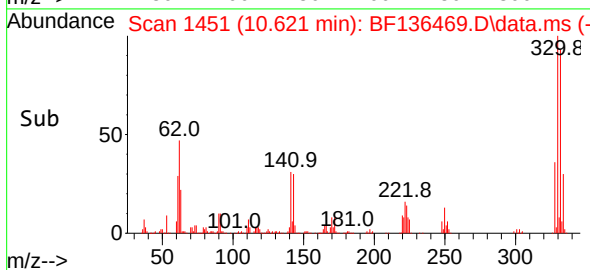
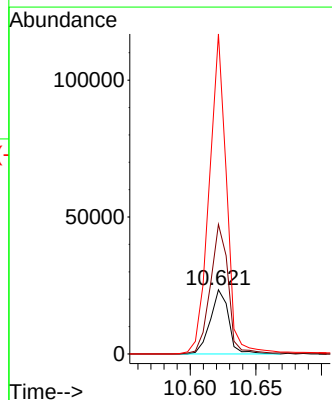
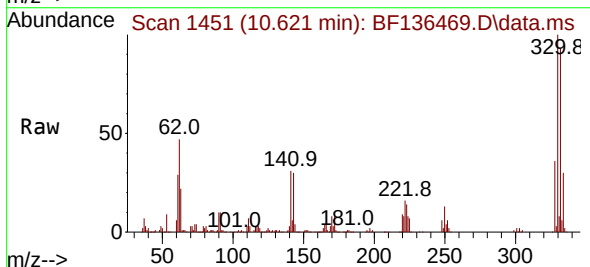
Instrument :
BNA_F
ClientSampleId :
VNJ-216

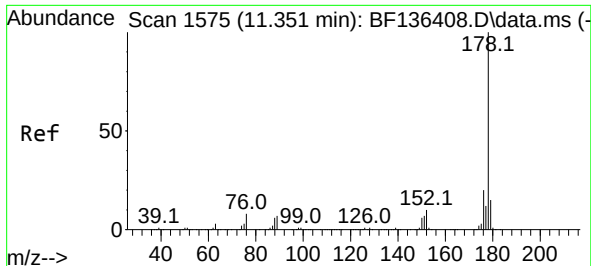
Tgt Ion:188 Resp: 463735
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.4 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.239 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:248 Resp: 22855
Ion Ratio Lower Upper
248 100
250 201.9 76.2 114.2#
141 498.5 51.0 76.4#

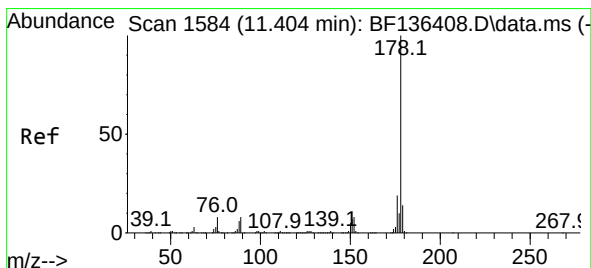
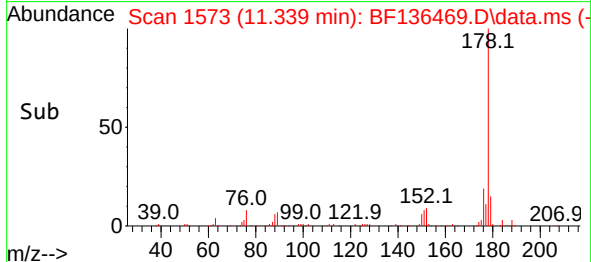
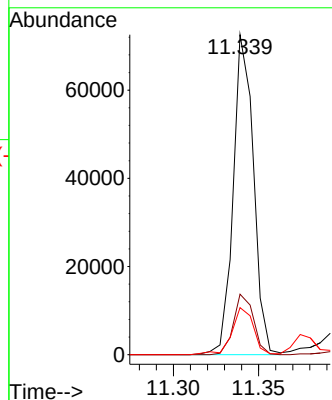
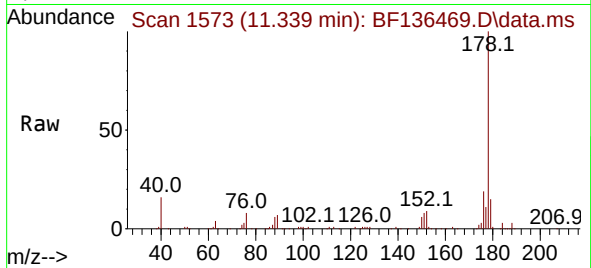




#71
Phenanthrene
Concen: 2.355 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

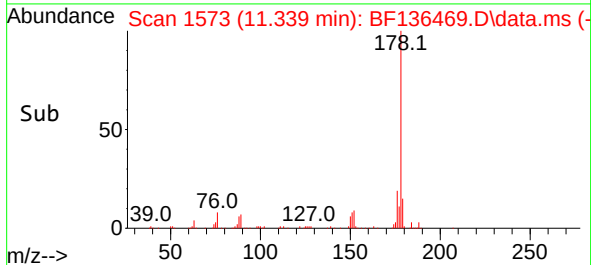
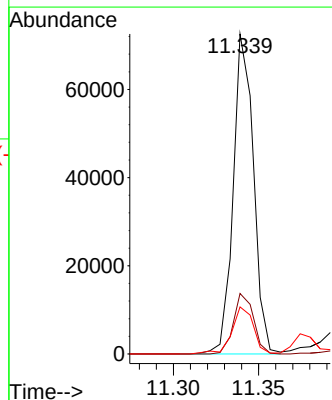
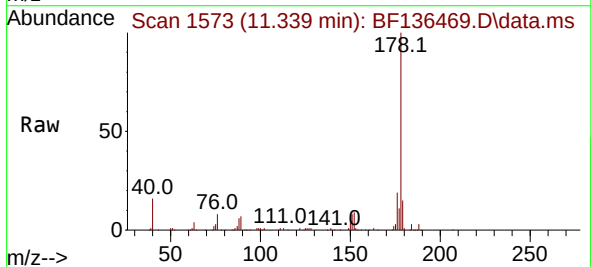
Instrument :
BNA_F
ClientSampleId :
VNJ-216

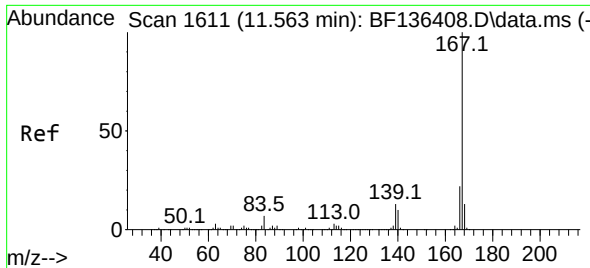
Tgt Ion:178 Resp: 60027
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.7 11.8 17.6



#72
Anthracene
Concen: 2.338 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.065 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:178 Resp: 60027
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.7 11.4 17.0

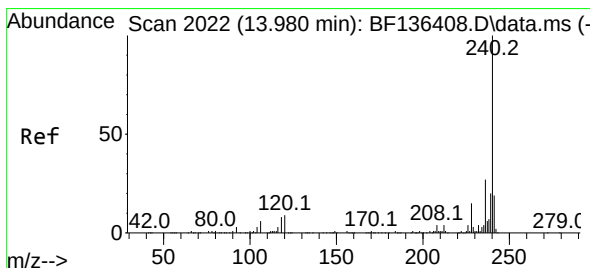
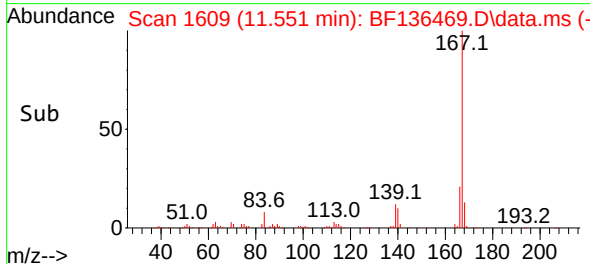
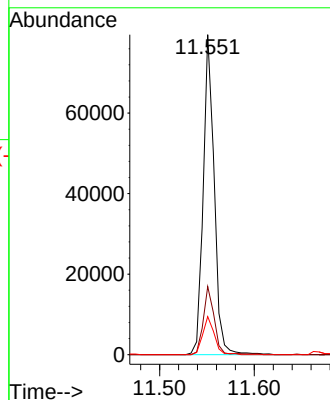
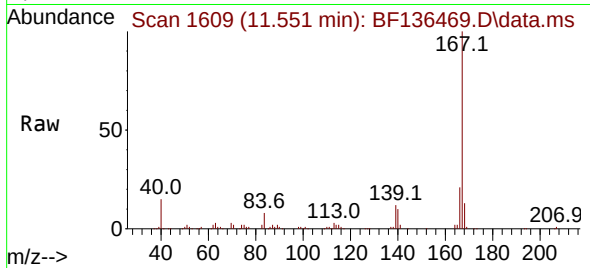




#73
 Carbazole
 Concen: 2.816 ng
 RT: 11.551 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF136469.D
 Acq: 08 Dec 2023 16:04

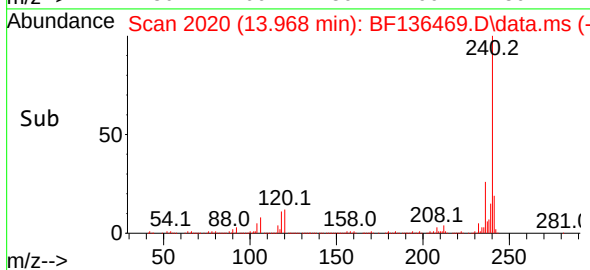
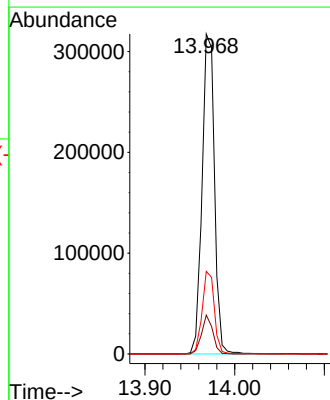
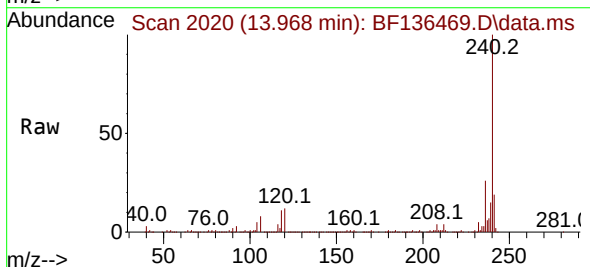
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216

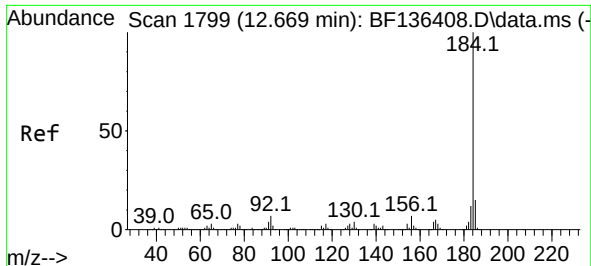
Tgt Ion:167 Resp: 63987
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.0 27.0
 139 11.9 10.2 15.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.012 min
 Lab File: BF136469.D
 Acq: 08 Dec 2023 16:04

Tgt Ion:240 Resp: 305088
 Ion Ratio Lower Upper
 240 100
 120 12.1 7.3 10.9#
 236 25.8 21.3 31.9

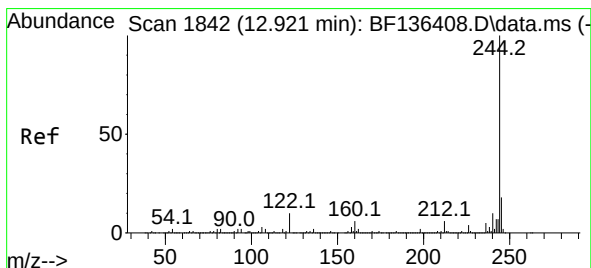
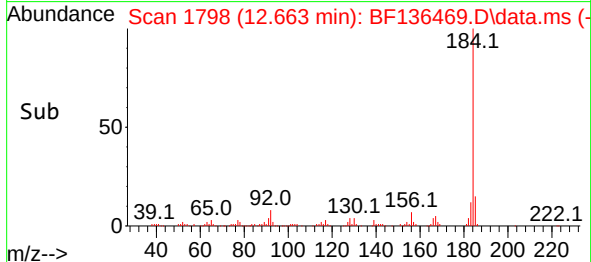
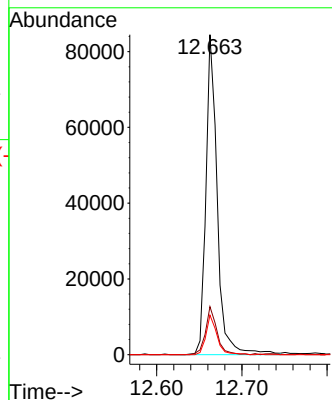
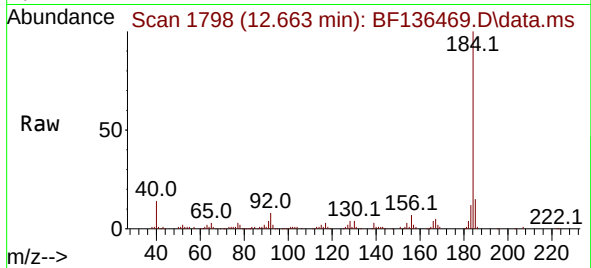




#77
Benzidine
Concen: 17.177 ng
RT: 12.663 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

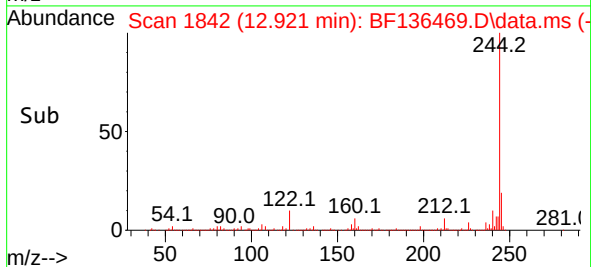
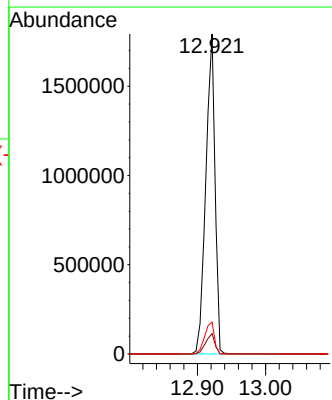
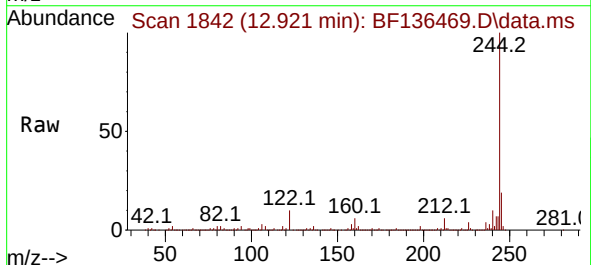
Instrument :
BNA_F
ClientSampleId :
VNJ-216

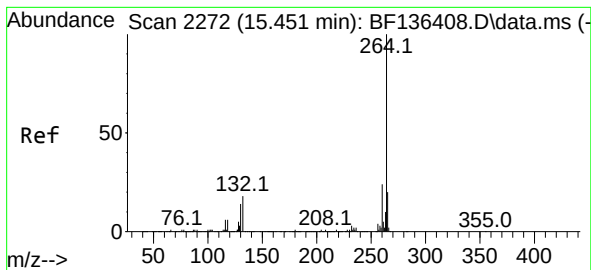
Tgt Ion:184 Resp: 77934
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 12.3 9.4 14.0



#79
Terphenyl-d14
Concen: 72.929 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:244 Resp: 1688091
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 10.0 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:264 Resp: 250443

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 20.1 15.9 23.9

