

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126675.D
 Acq On : 25 Jan 2022 20:30
 Operator : CG/JU
 Sample : N1251-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Quant Time: Jan 26 00:23:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

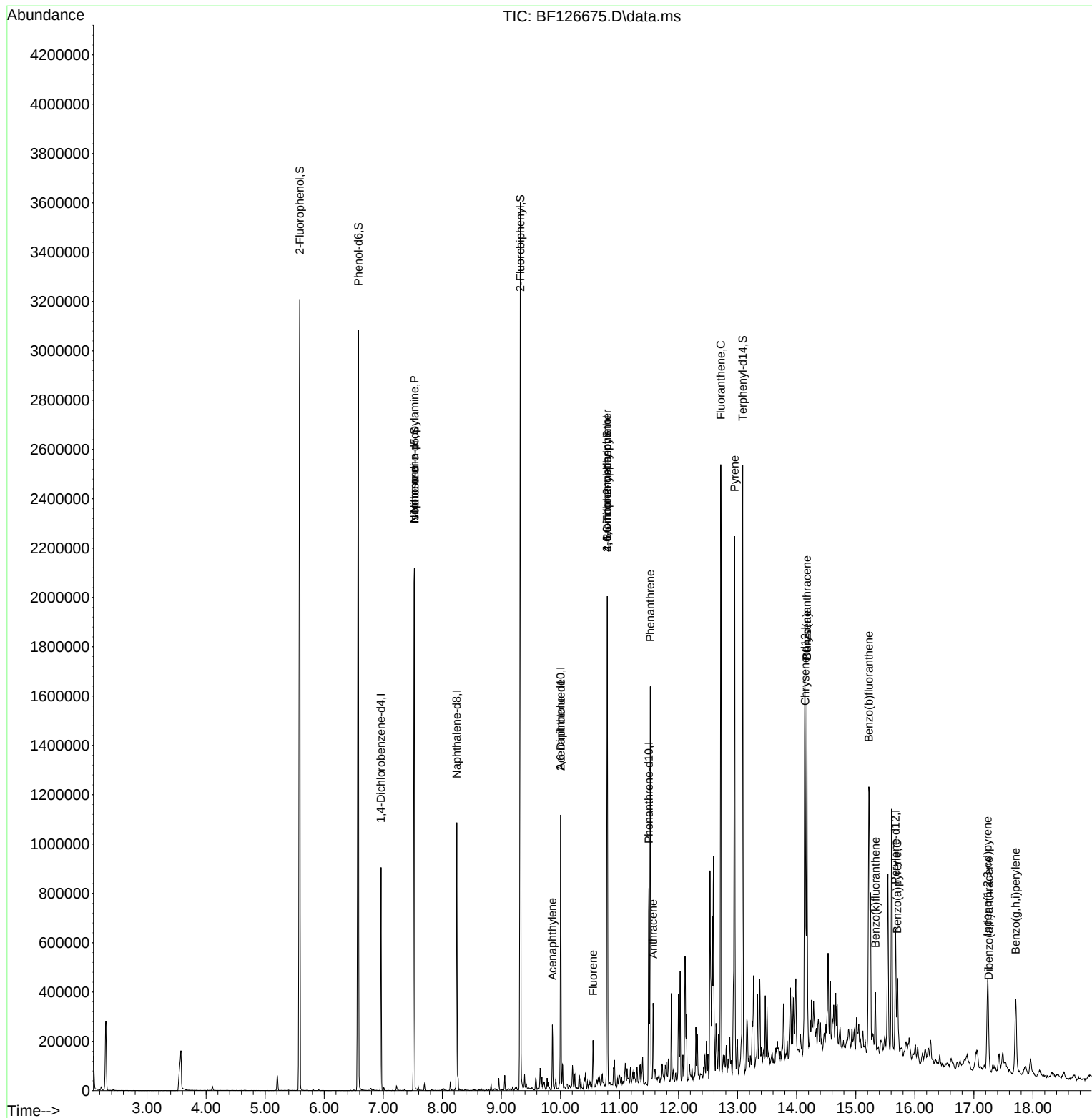
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	103892	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	395406	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	197561	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	275581	20.000	ng	0.00
76) Chrysene-d12	14.145	240	218856	20.000	ng	# 0.00
86) Perylene-d12	15.674	264	210145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	869065	110.076	ng	0.00
7) Phenol-d6	6.581	99	1154295	105.229	ng	0.00
23) Nitrobenzene-d5	7.528	82	854230	84.560	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	185068	100.098	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	977662	75.789	ng	0.00
79) Terphenyl-d14	13.086	244	731327	56.047	ng	0.00
Target Compounds						
9) Benzaldehyde	6.516	77	319	Below Cal		Qvalue # 41
19) n-Nitroso-di-n-propyla...	7.528	70	118300	14.776	ng	# 68
25) Isophorone	7.528	82	854220	43.602	ng	# 69
49) Acenaphthylene	9.863	152	92942	5.067	ng	98
51) 2,6-Dinitrotoluene	10.004	165	26252	10.842	ng	# 22
58) Fluorene	10.551	166	46226	3.633	ng	97
65) 4,6-Dinitro-2-methylph...	10.792	198	375	7.613	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	12447	3.919	ng	# 1
71) Phenanthrene	11.521	178	498545	31.665	ng	99
72) Anthracene	11.569	178	113515	7.186	ng	100
75) Fluoranthene	12.716	202	907401	58.350	ng	98
78) Pyrene	12.951	202	884857	49.996	ng	100
81) Benzo(a)anthracene	14.174	228	515176	34.632	ng	95
83) Chrysene	14.174	228	515176	35.992	ng	98
87) Indeno(1,2,3-cd)pyrene	17.233	276	254771	19.622	ng	# 84
88) Benzo(b)fluoranthene	15.221	252	888346	63.746	ng	# 95
89) Benzo(k)fluoranthene	15.333	252	98210	7.178	ng	94
90) Benzo(a)pyrene	15.704	252	122809	10.831	ng	97
91) Dibenzo(a,h)anthracene	17.251	278	64199	5.968	ng	# 93
92) Benzo(g,h,i)perylene	17.709	276	236670	22.439	ng	# 87

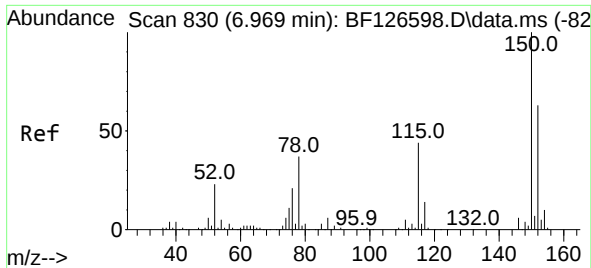
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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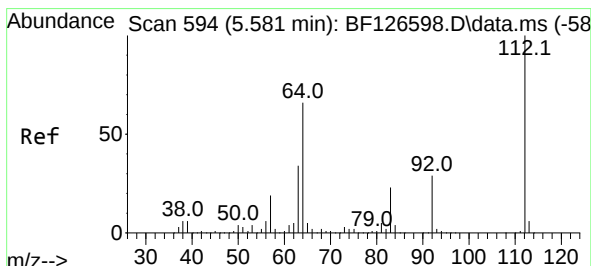
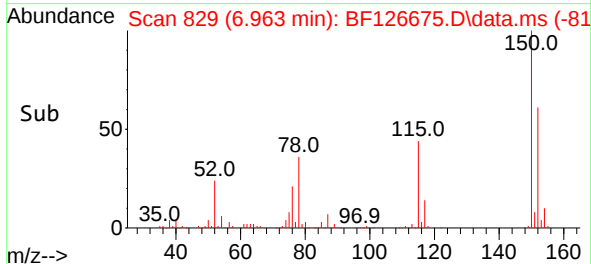
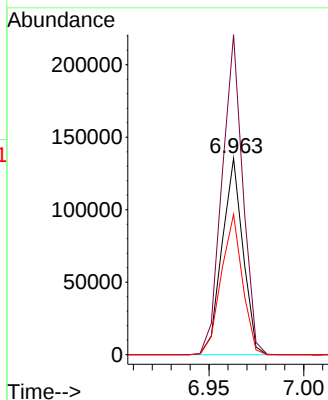
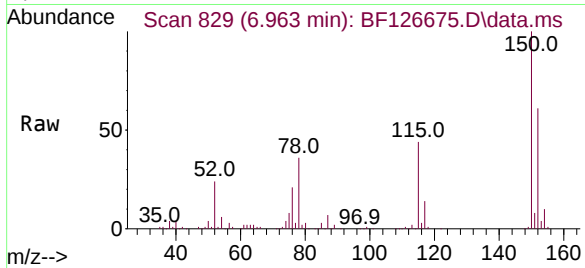




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

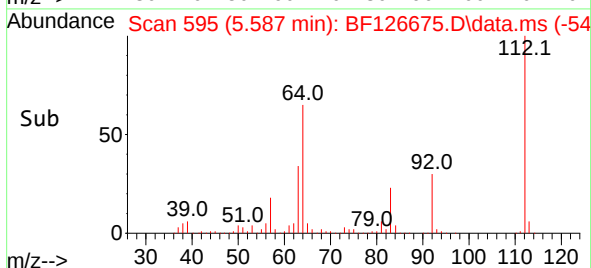
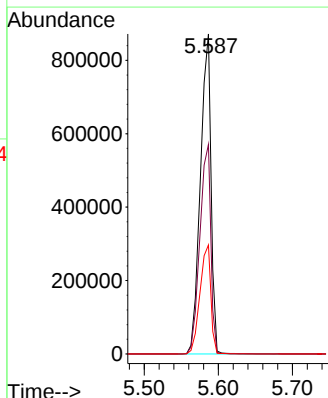
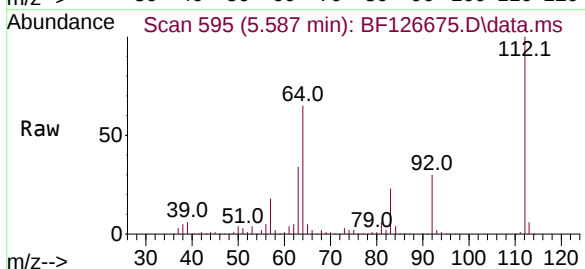
Instrument :
BNA_F
ClientSampleId :
VNJ-222

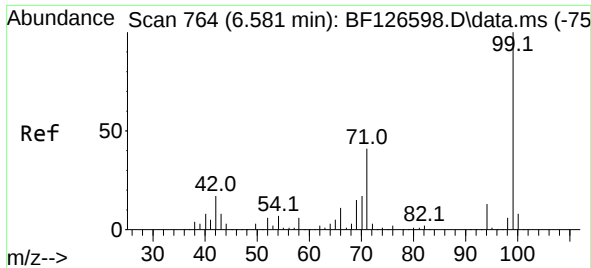
Tgt Ion:152 Resp: 103892
Ion Ratio Lower Upper
152 100
150 162.8 128.1 192.1
115 71.4 56.7 85.1



#5
2-Fluorophenol
Concen: 110.076 ng
RT: 5.587 min Scan# 595
Delta R.T. 0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:112 Resp: 869065
Ion Ratio Lower Upper
112 100
64 65.4 49.5 74.3
63 34.1 23.9 35.9

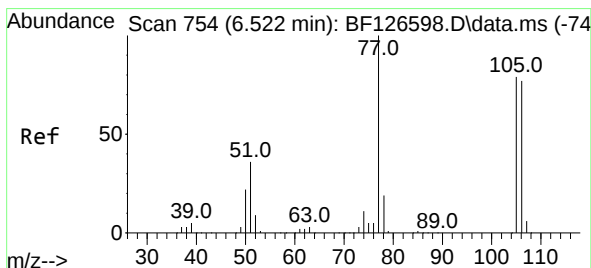
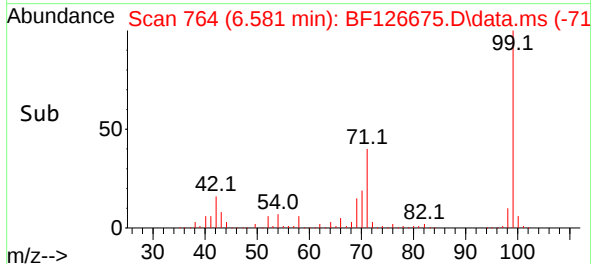
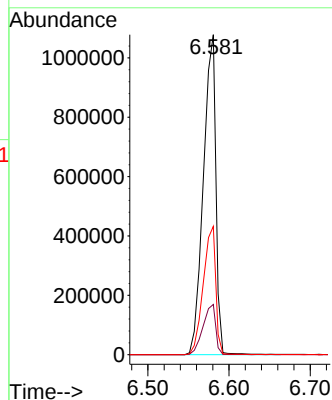
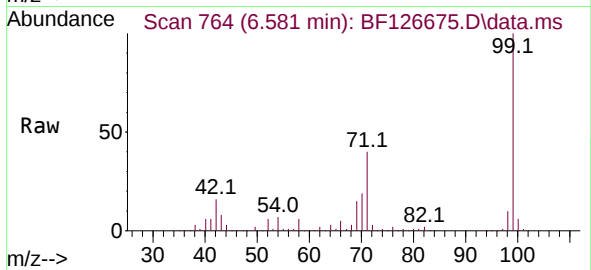




#7
Phenol-d6
Concen: 105.229 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

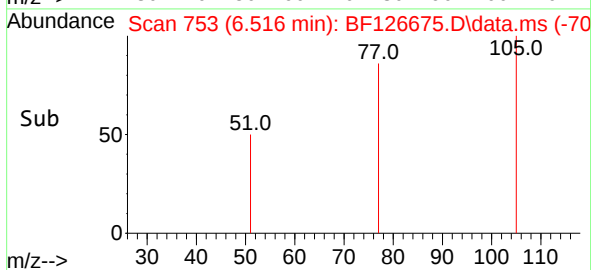
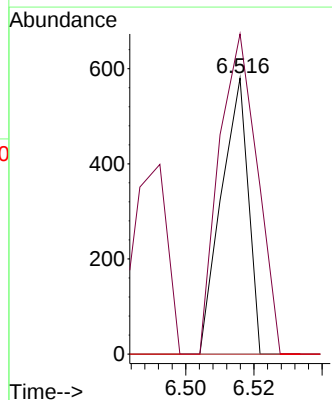
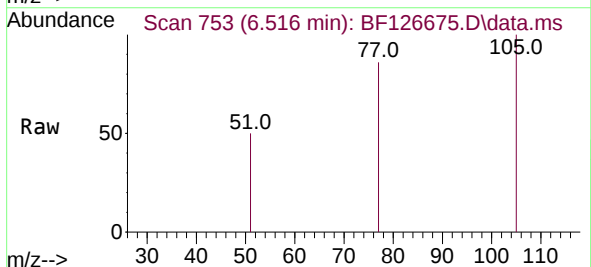
Instrument :
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ClientSampleId :
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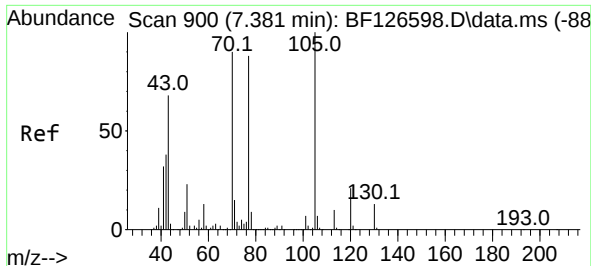
Tgt Ion: 99 Resp: 1154295
Ion Ratio Lower Upper
99 100
42 15.7 14.2 21.4
71 40.1 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

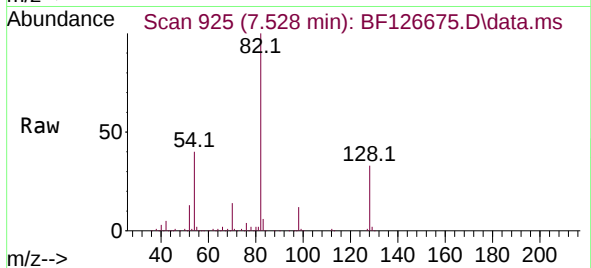
Tgt Ion: 77 Resp: 319
Ion Ratio Lower Upper
77 100
105 116.0 74.9 114.9#
106 0.0 72.4 112.4#



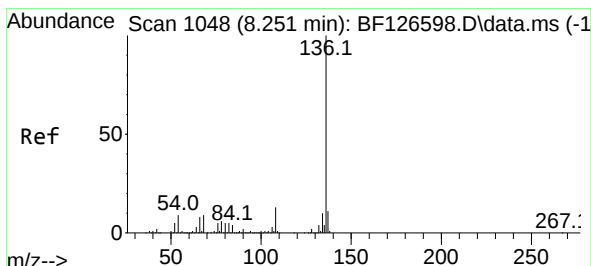
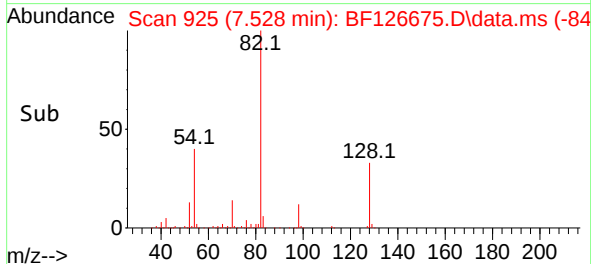
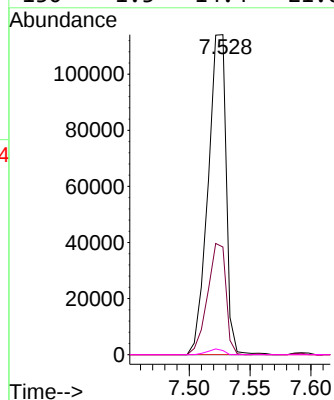


#19
n-Nitroso-di-n-propylamine
Concen: 14.776 ng
RT: 7.528 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Instrument :
BNA_F
ClientSampleId :
VNJ-222

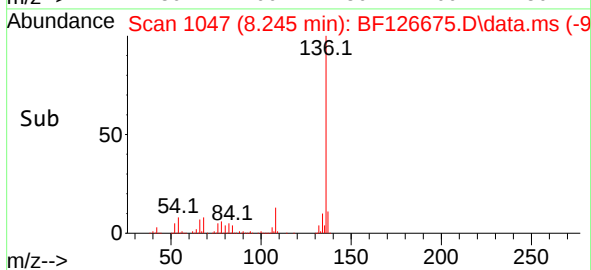
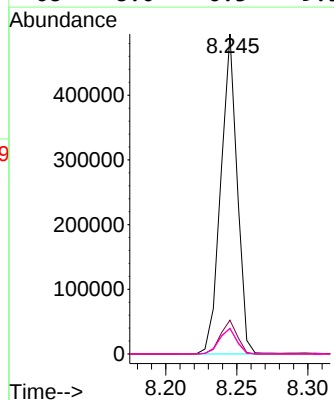
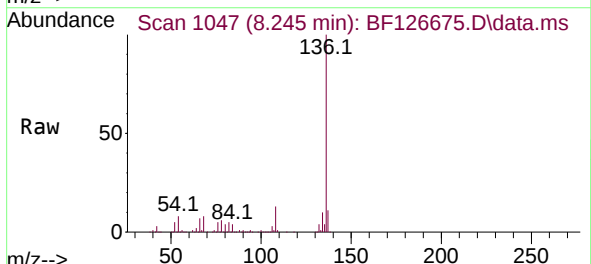


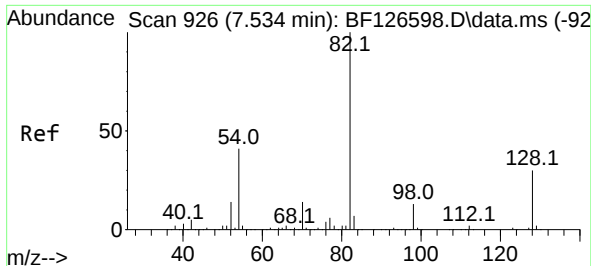
Tgt Ion:	70	Resp:	118300
Ion	Ratio	Lower	Upper
70	100		
42	33.7	45.8	68.8#
101	0.0	6.9	10.3#
130	1.3	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:	136	Resp:	395406
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.0	7.8	11.6
68	8.0	6.3	9.5

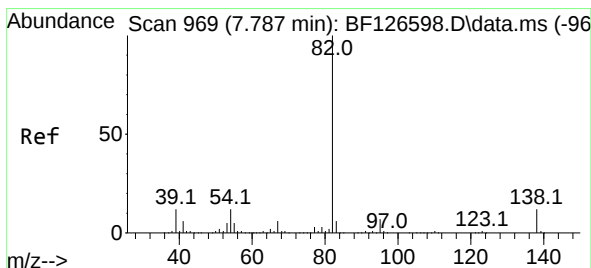
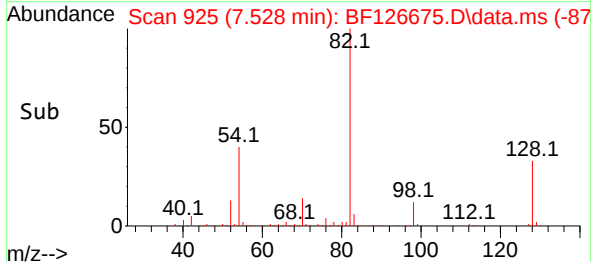
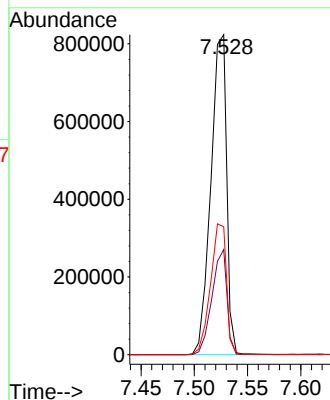
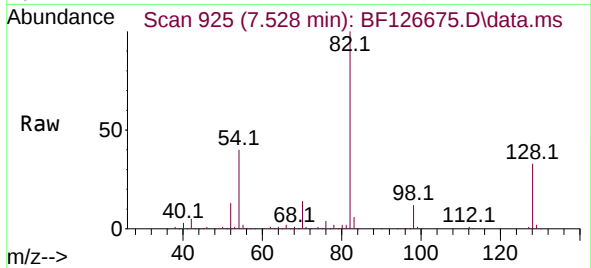




#23
Nitrobenzene-d5
Concen: 84.560 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

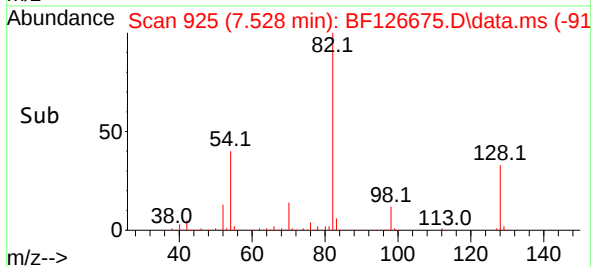
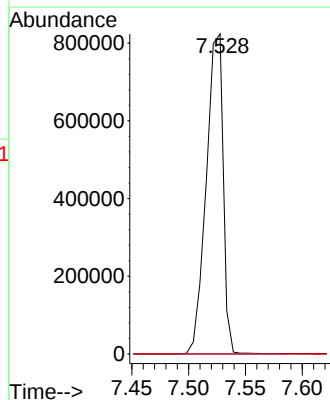
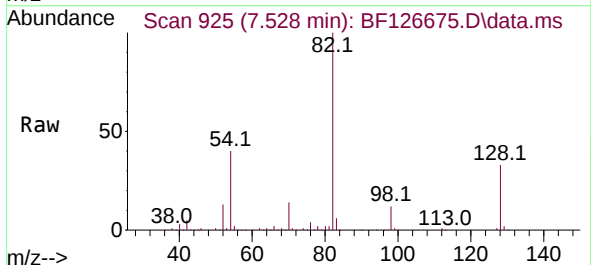
Instrument :
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ClientSampleId :
VNJ-222

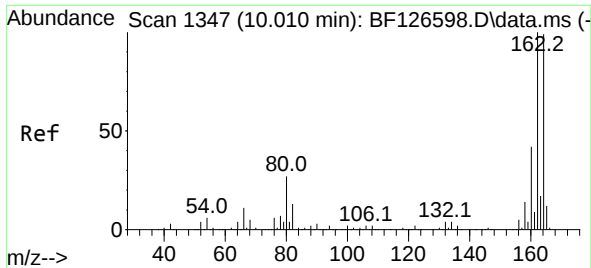
Tgt Ion: 82 Resp: 854230
Ion Ratio Lower Upper
82 100
128 32.8 32.7 49.1
54 40.0 41.7 62.5#



#25
Isophorone
Concen: 43.602 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.259 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion: 82 Resp: 854220
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

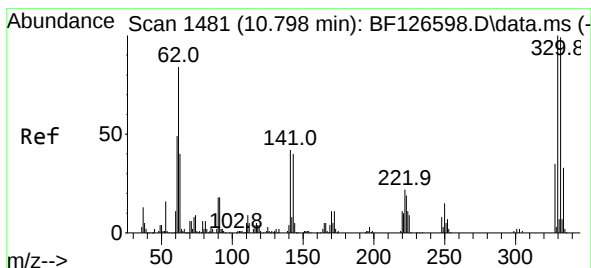
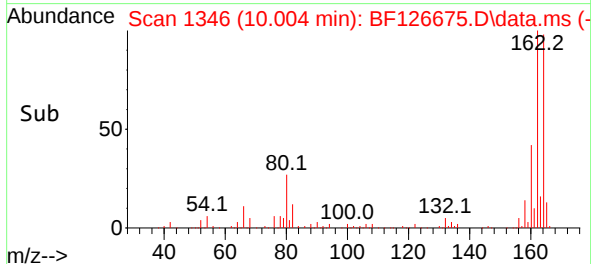
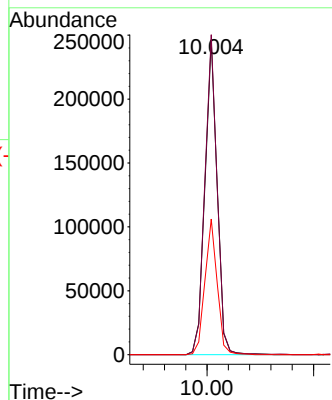
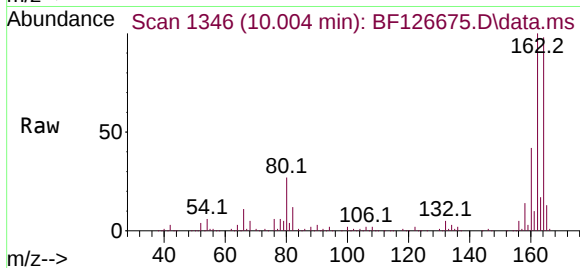




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

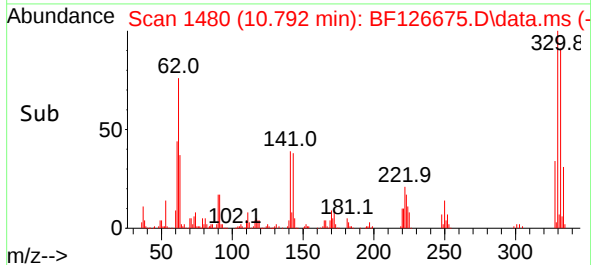
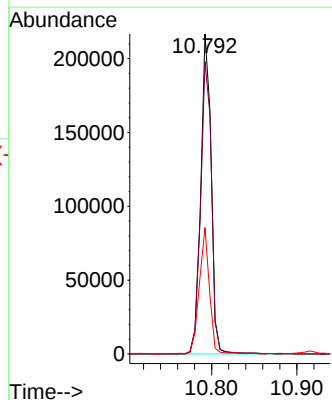
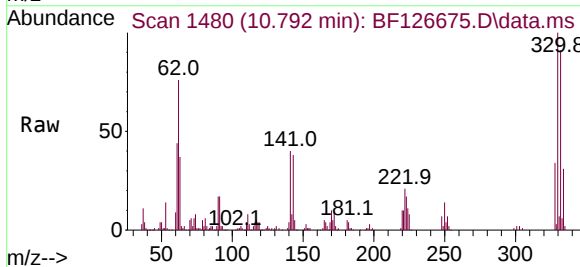
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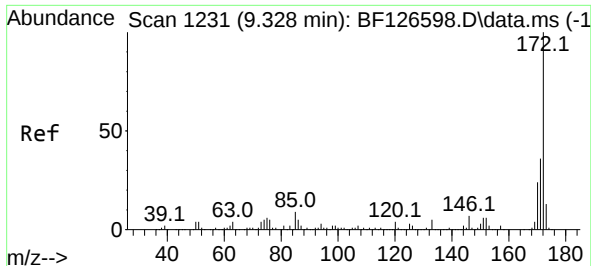
Tgt Ion:164 Resp: 197561
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 43.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 100.098 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:330 Resp: 185068
Ion Ratio Lower Upper
330 100
332 94.6 76.0 114.0
141 38.9 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 75.789 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Instrument :

BNA_F

ClientSampleId :

VNJ-222

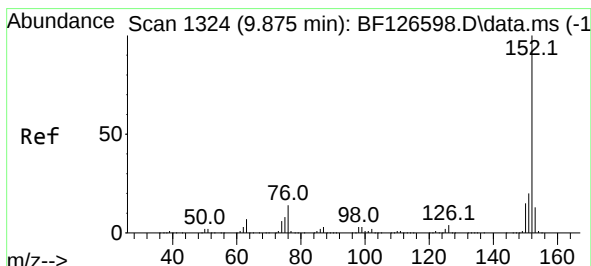
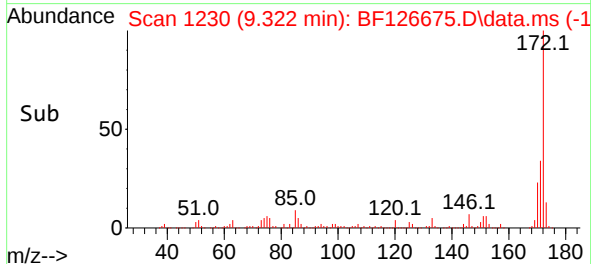
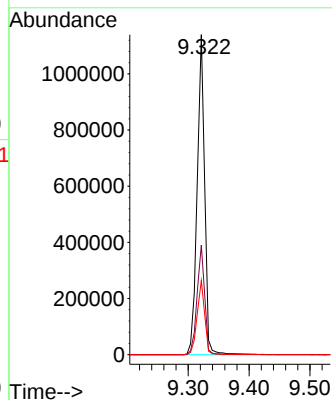
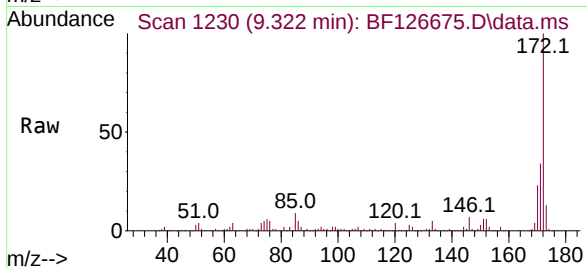
Tgt Ion:172 Resp: 977662

Ion Ratio Lower Upper

172 100

171 34.3 28.3 42.5

170 23.1 19.0 28.6



#49

Acenaphthylene

Concen: 5.067 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

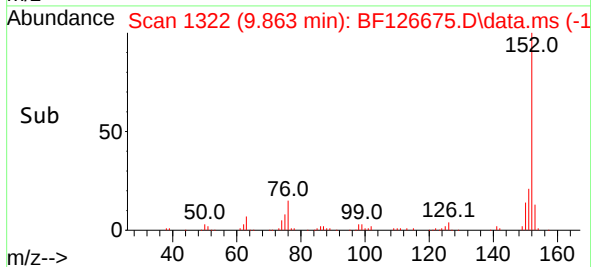
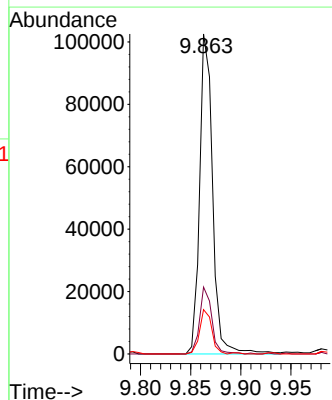
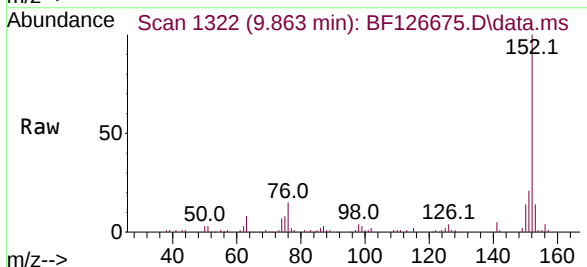
Tgt Ion:152 Resp: 92942

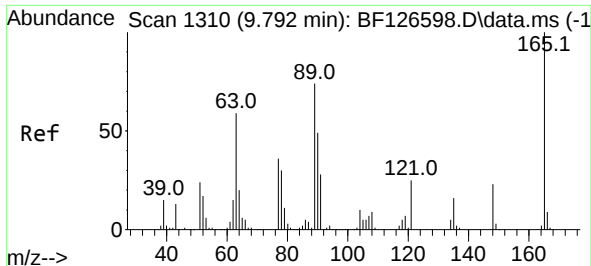
Ion Ratio Lower Upper

152 100

151 20.9 15.7 23.5

153 13.8 11.4 17.0

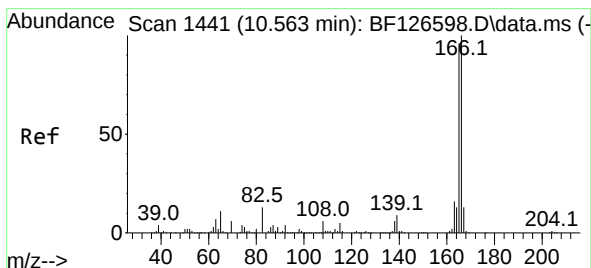
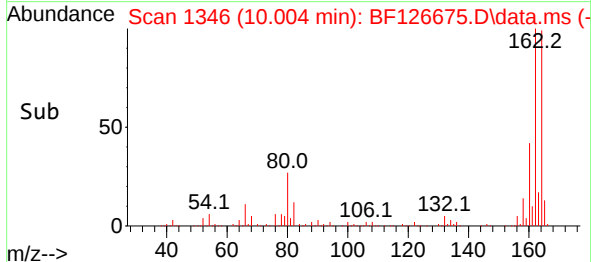
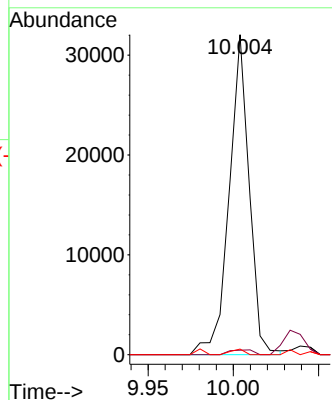
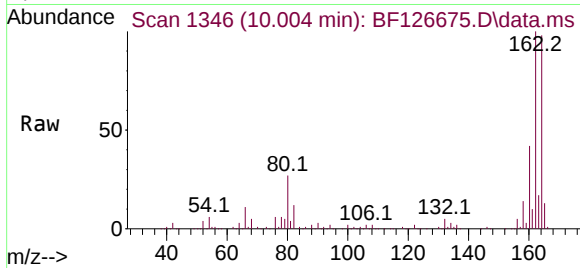




#51
2,6-Dinitrotoluene
Concen: 10.842 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

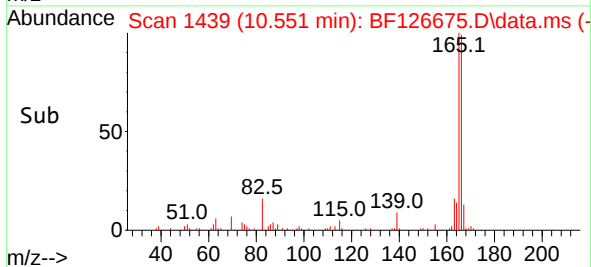
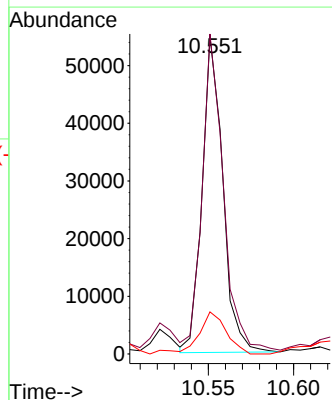
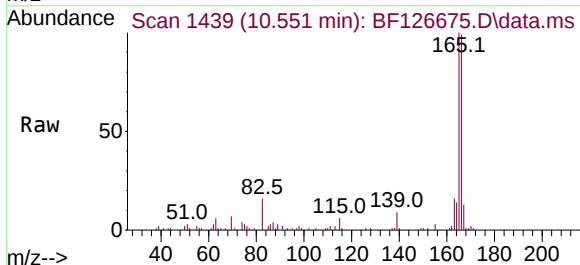
Instrument :
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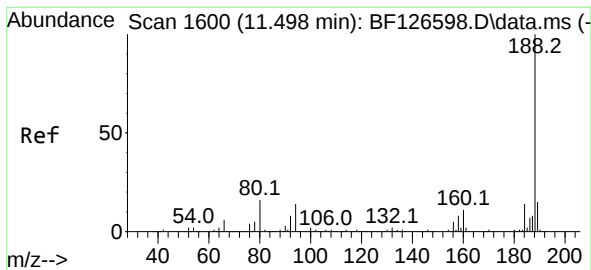
Tgt Ion:165 Resp: 26252
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.7 50.5 75.7#



#58
Fluorene
Concen: 3.633 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.012 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:166 Resp: 46226
Ion Ratio Lower Upper
166 100
165 100.7 77.7 116.5
167 13.2 10.7 16.1

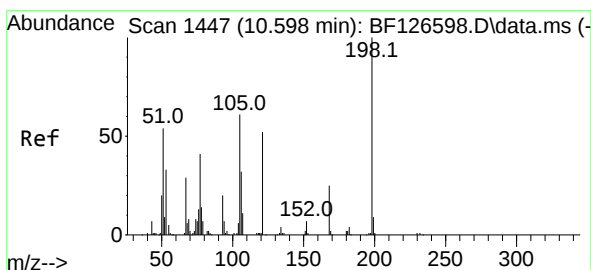
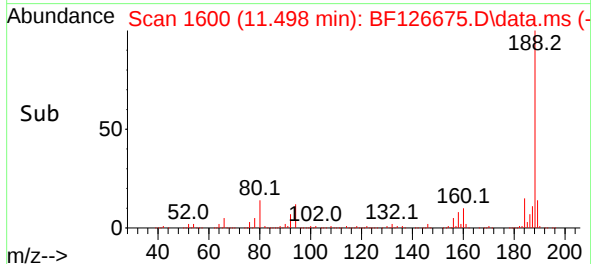
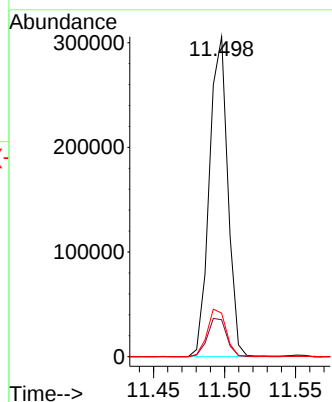
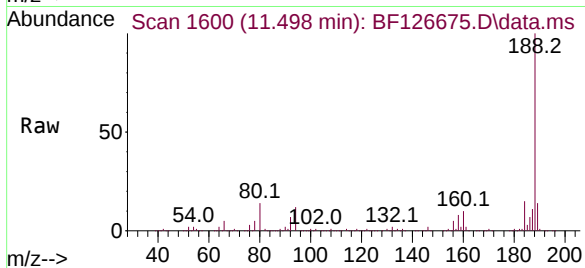




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

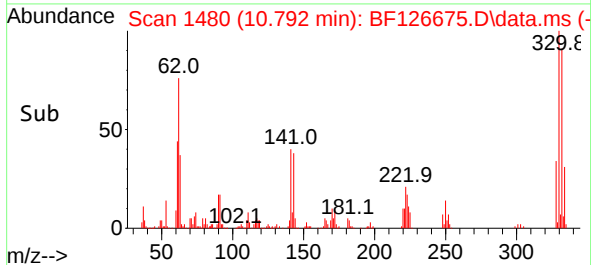
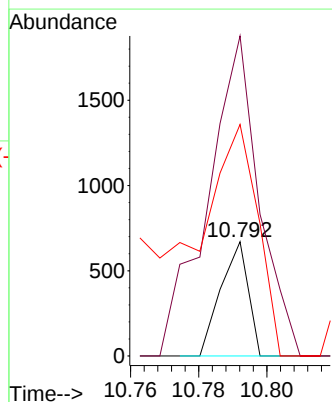
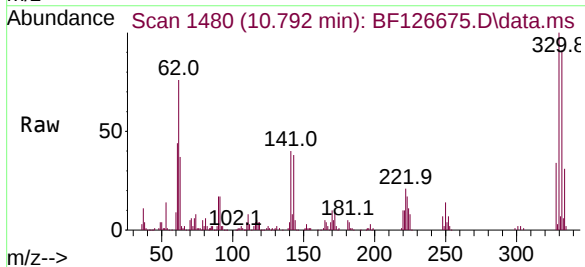
Instrument :
BNA_F
ClientSampleId :
VNJ-222

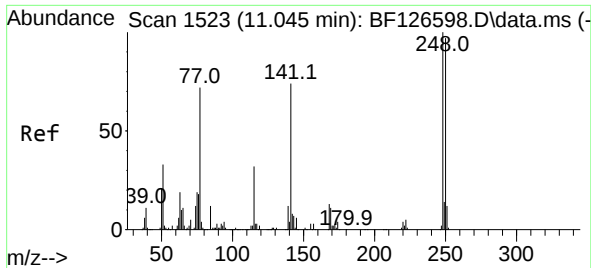
Tgt Ion:188 Resp: 275581
Ion Ratio Lower Upper
188 100
94 11.5 10.1 15.1
80 13.6 11.8 17.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.613 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.194 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:198 Resp: 375
Ion Ratio Lower Upper
198 100
51 280.1 32.0 72.0#
105 202.7 32.7 72.7#

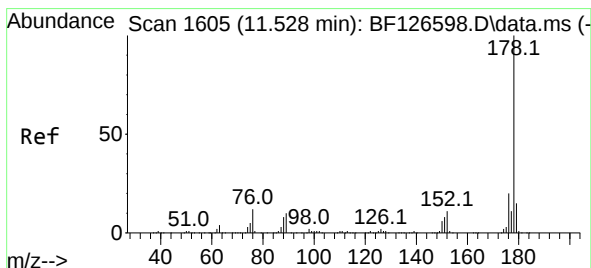
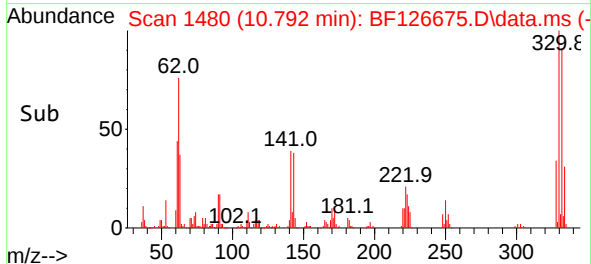
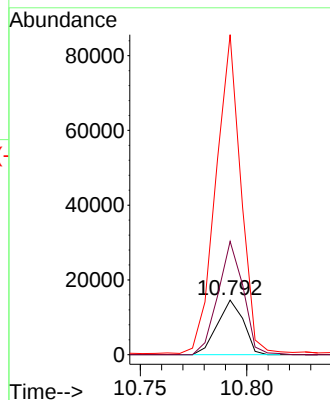
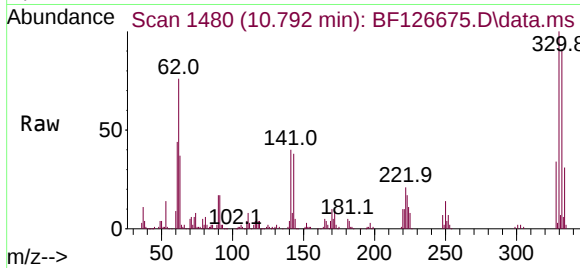




#67
4-Bromophenyl-phenylether
Concen: 3.919 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

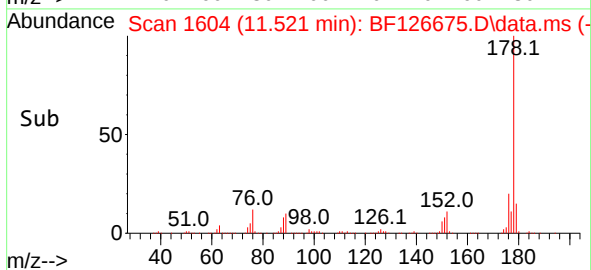
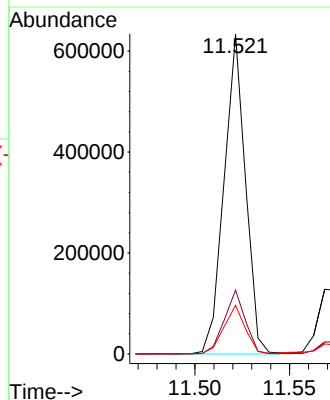
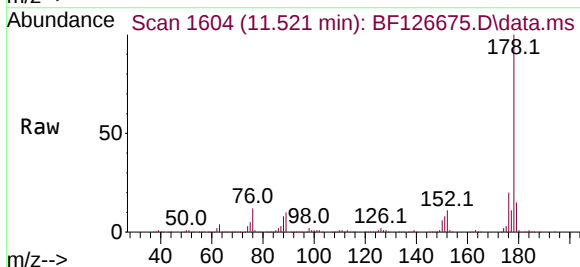
Instrument :
BNA_F
ClientSampleId :
VNJ-222

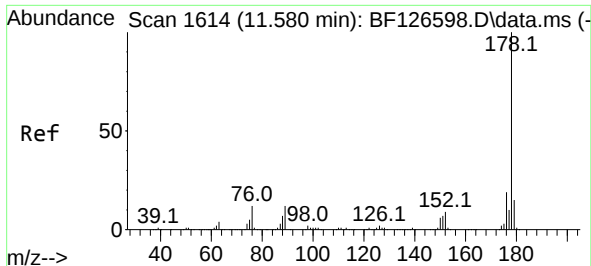
Tgt Ion:248 Resp: 12447
Ion Ratio Lower Upper
248 100
250 207.6 76.2 114.4#
141 586.3 66.2 99.4#



#71
Phenanthrene
Concen: 31.665 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:178 Resp: 498545
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.2 12.3 18.5

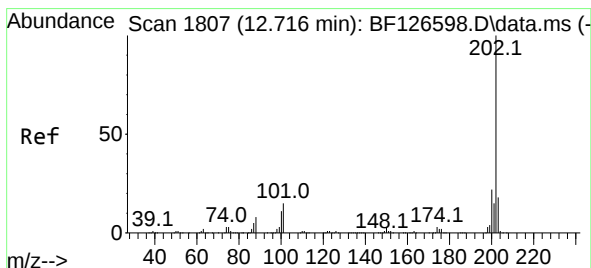
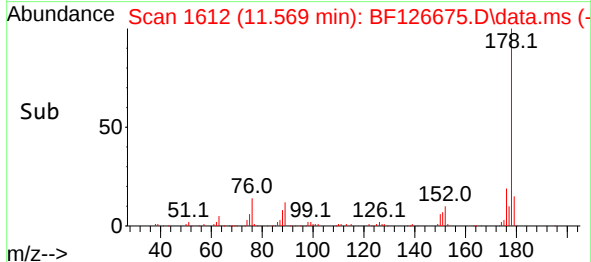
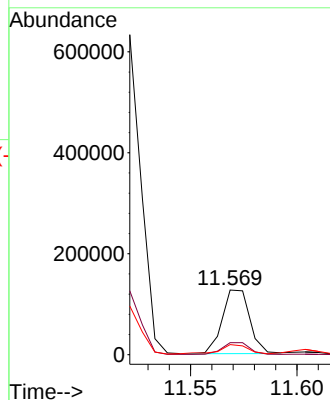
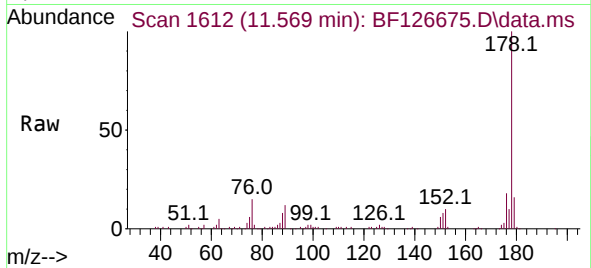




#72
 Anthracene
 Concen: 7.186 ng
 RT: 11.569 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

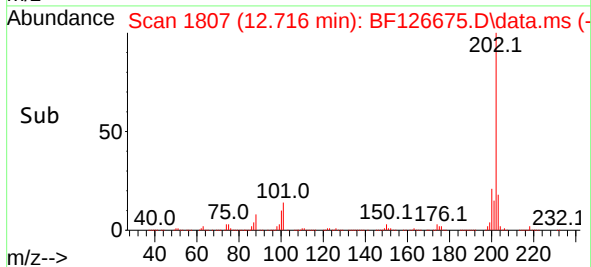
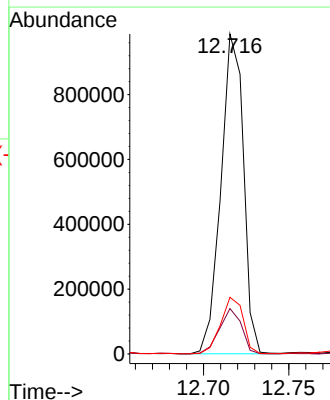
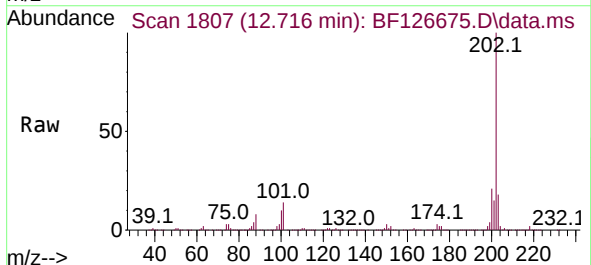
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

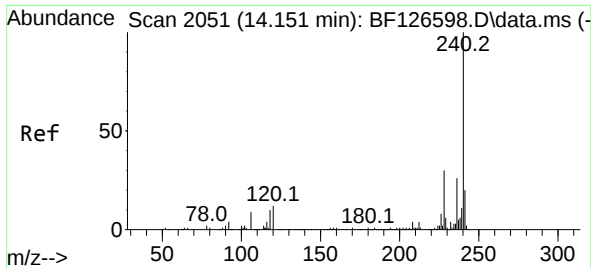
Tgt Ion:178 Resp: 113515
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 15.5 12.5 18.7



#75
 Fluoranthene
 Concen: 58.350 ng
 RT: 12.716 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

Tgt Ion:202 Resp: 907401
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 35.7
 203 17.7 0.0 37.1

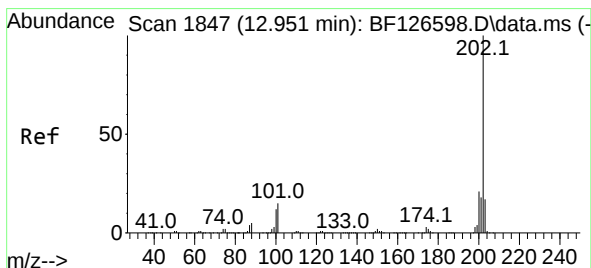
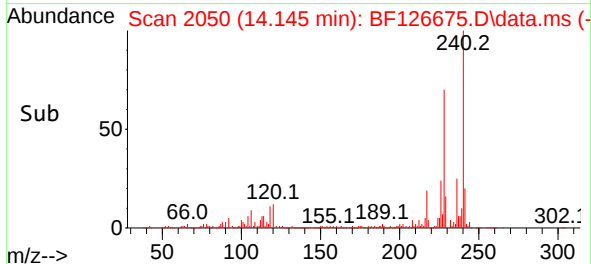
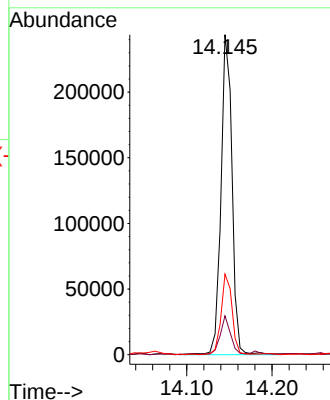
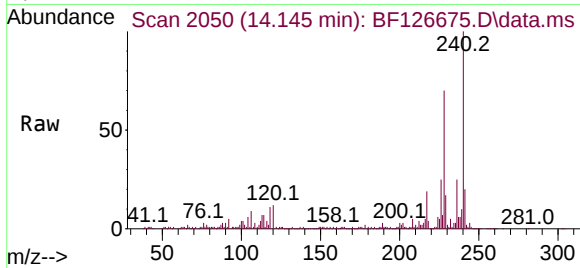




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

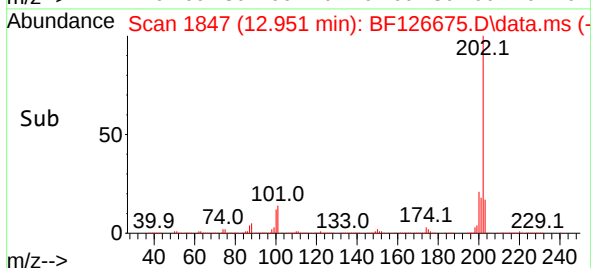
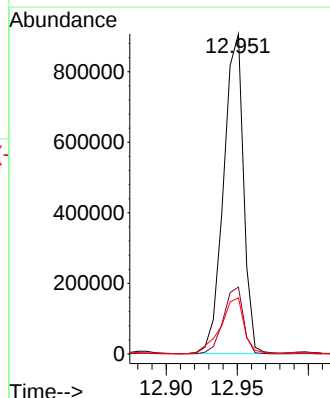
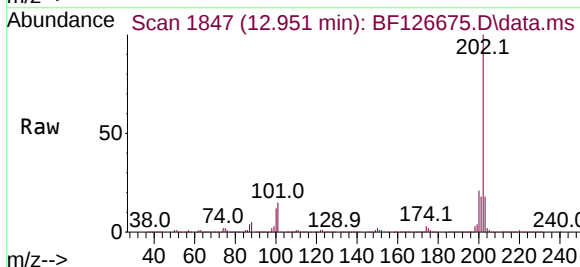
Instrument :
BNA_F
ClientSampleId :
VNJ-222

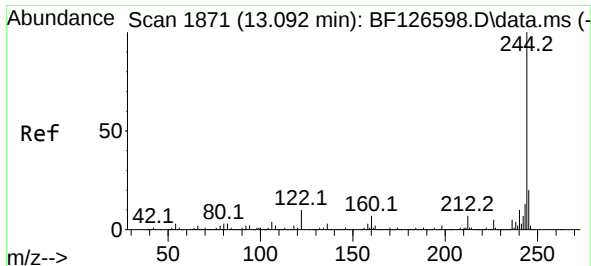
Tgt Ion:240 Resp: 218856
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6#
236 25.2 20.5 30.7



#78
Pyrene
Concen: 49.996 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:202 Resp: 884857
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 13.8 20.8

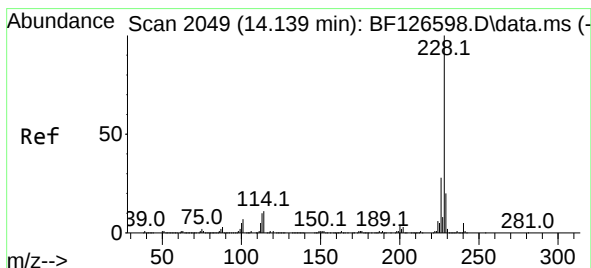
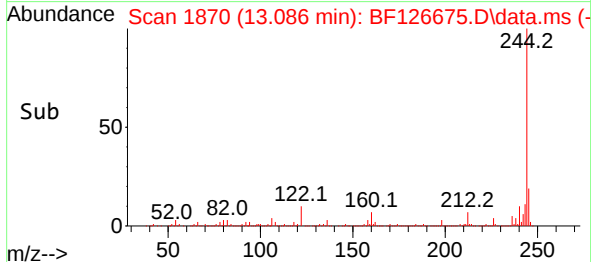
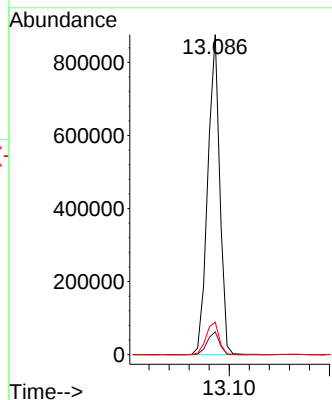
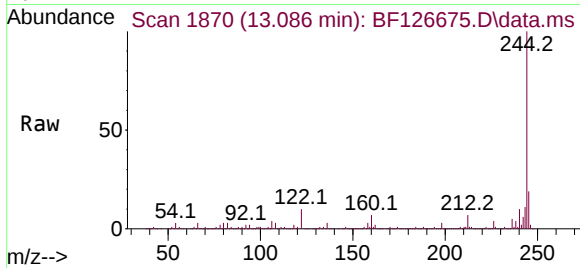




#79
 Terphenyl-d14
 Concen: 56.047 ng
 RT: 13.086 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

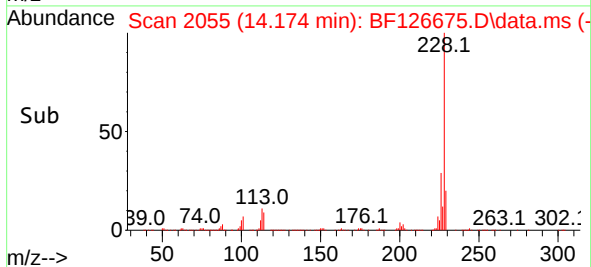
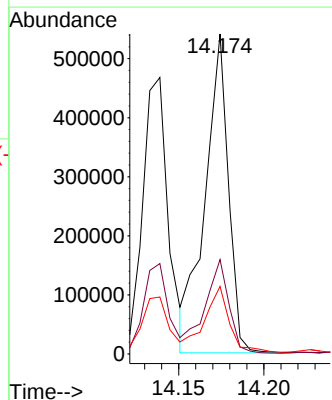
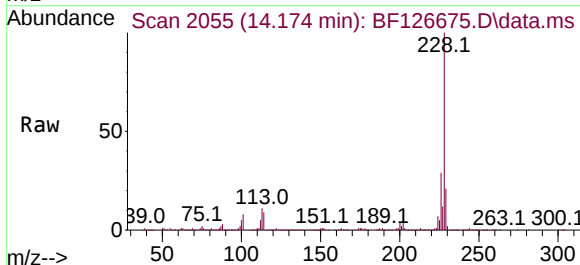
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

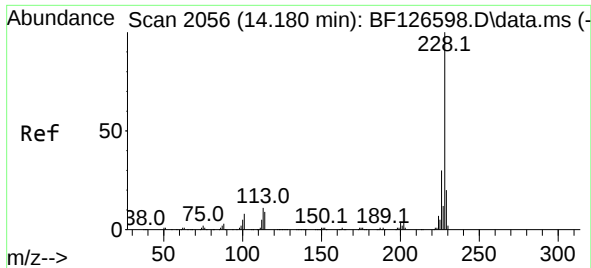
Tgt Ion:244 Resp: 731327
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.0 7.4
 122 10.2 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 34.632 ng
 RT: 14.174 min Scan# 2055
 Delta R.T. 0.035 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

Tgt Ion:228 Resp: 515176
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.4 32.0
 229 21.1 15.4 23.2





#83

Chrysene

Concen: 35.992 ng

RT: 14.174 min Scan# 2055

Delta R.T. -0.006 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Instrument :

BNA_F

ClientSampleId :

VNJ-222

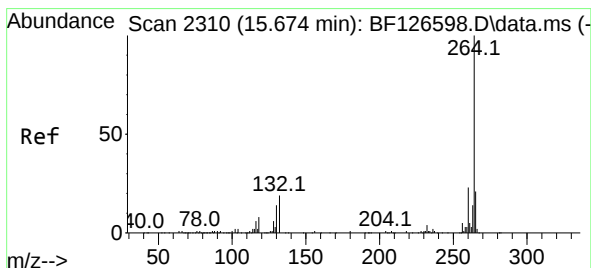
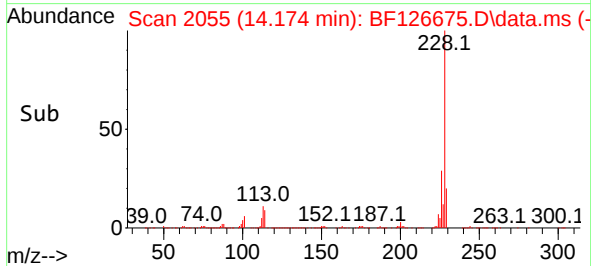
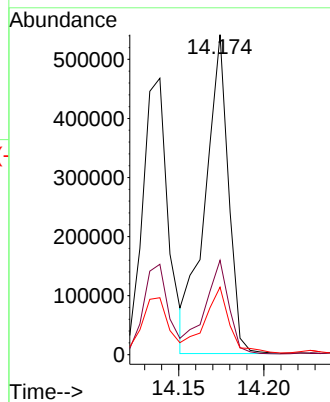
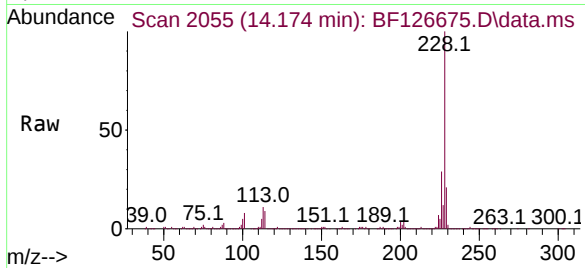
Tgt Ion:228 Resp: 515176

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 21.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.674 min Scan# 2310

Delta R.T. -0.000 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

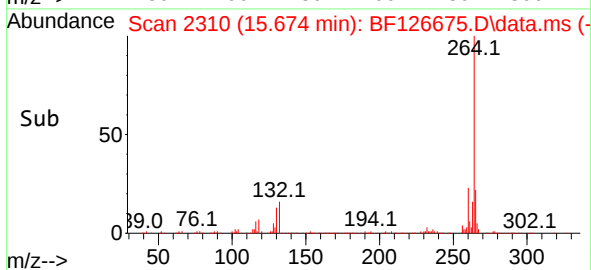
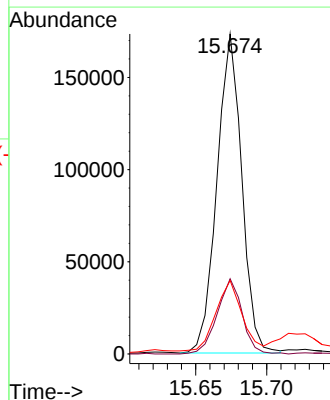
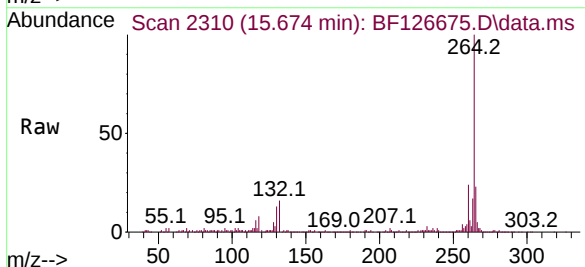
Tgt Ion:264 Resp: 210145

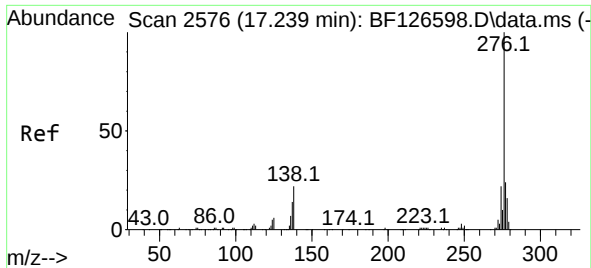
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 23.0 17.4 26.2

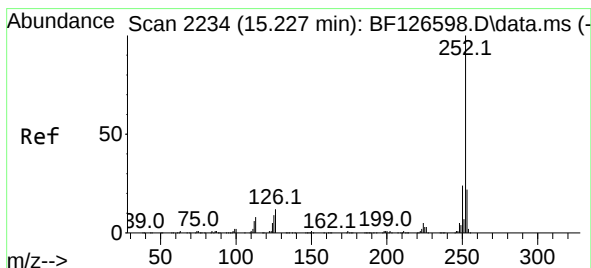
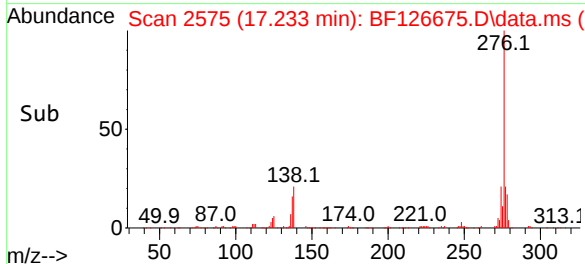
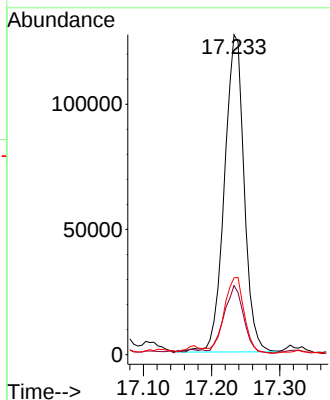
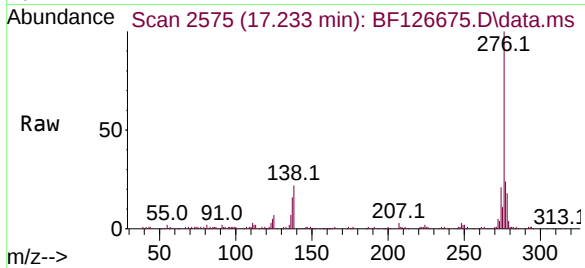




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.622 ng
 RT: 17.233 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

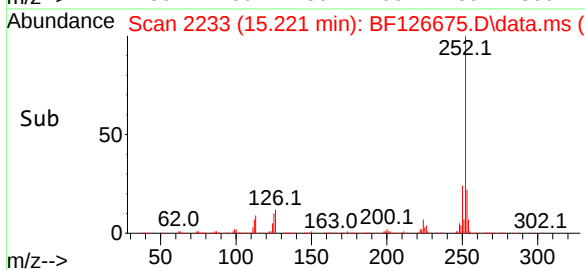
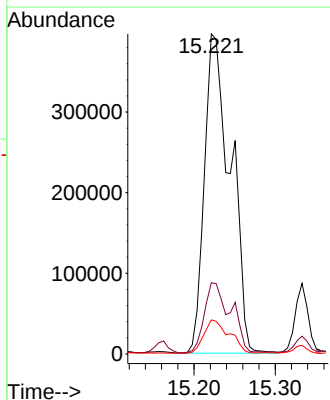
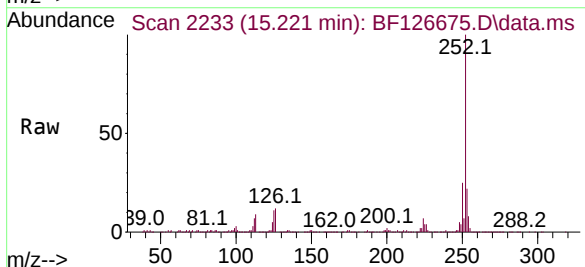
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

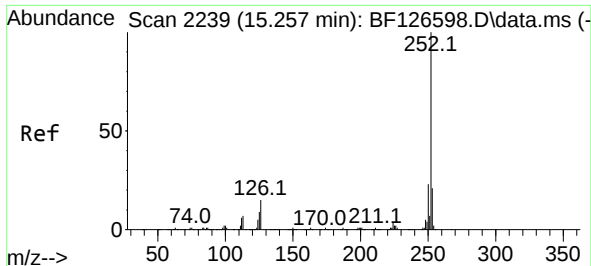
Tgt Ion:276 Resp: 254771
 Ion Ratio Lower Upper
 276 100
 138 21.2 29.2 43.8#
 277 24.7 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 63.746 ng
 RT: 15.221 min Scan# 2233
 Delta R.T. -0.006 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

Tgt Ion:252 Resp: 888346
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 10.6 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 7.178 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.076 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Instrument :

BNA_F

ClientSampleId :

VNJ-222

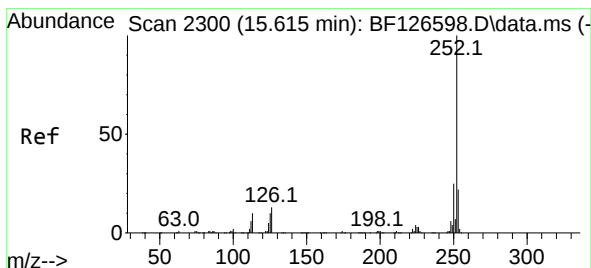
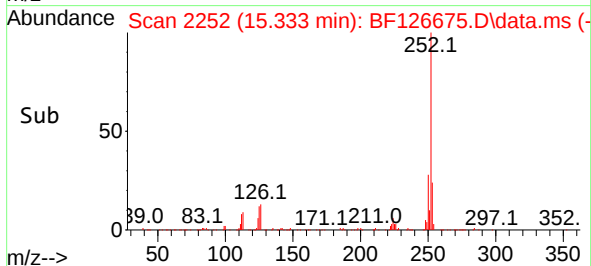
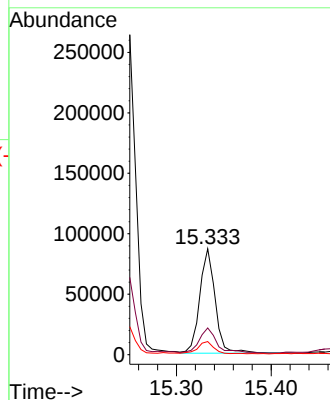
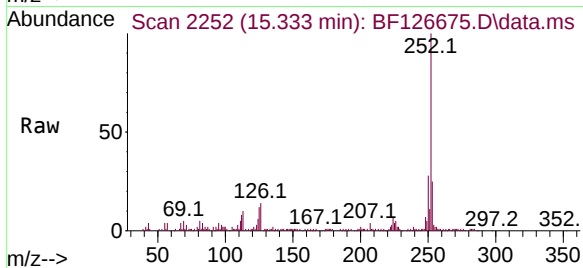
Tgt Ion:252 Resp: 98210

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 12.4 11.8 17.6



#90

Benzo(a)pyrene

Concen: 10.831 ng

RT: 15.704 min Scan# 2315

Delta R.T. 0.088 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

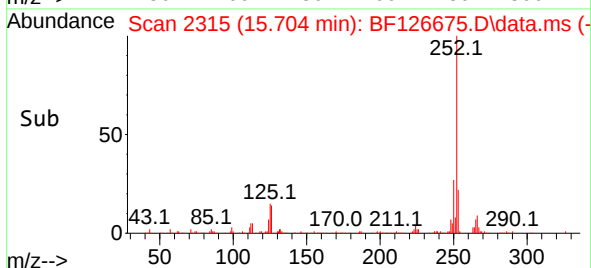
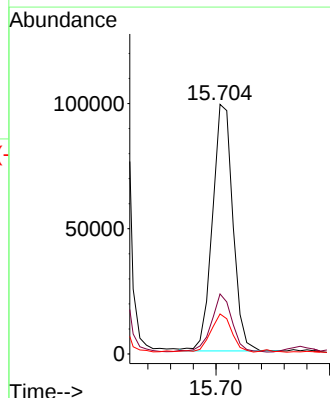
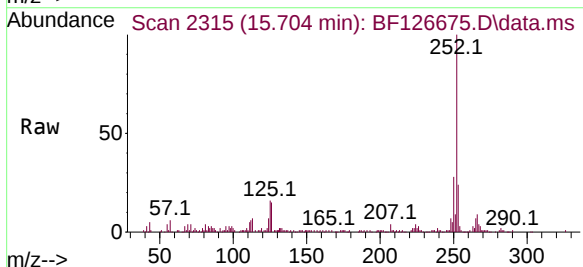
Tgt Ion:252 Resp: 122809

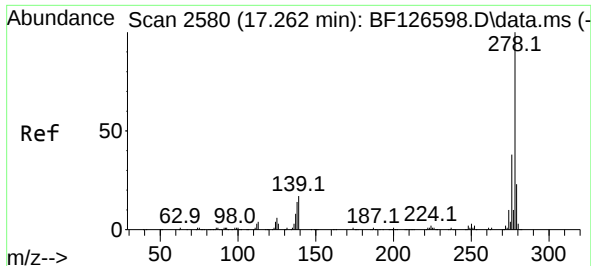
Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 16.1 13.0 19.6

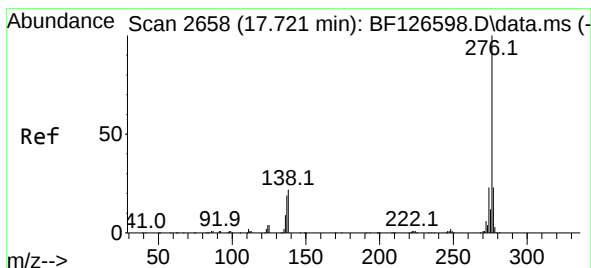
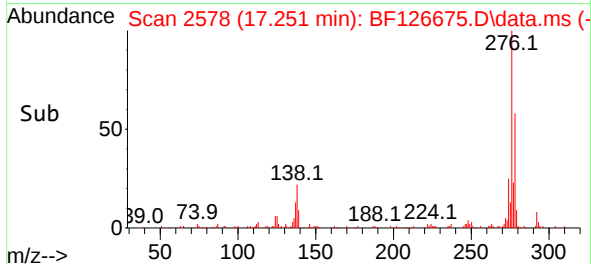
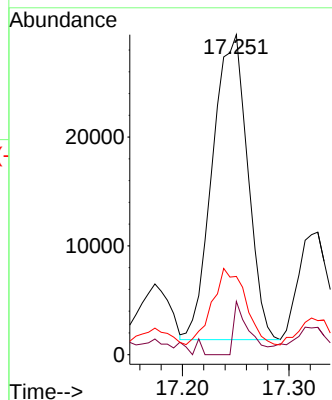
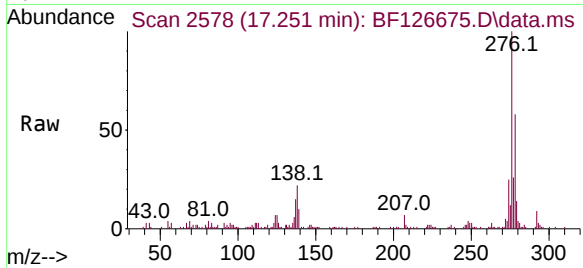




#91
Dibenzo(a,h)anthracene
Concen: 5.968 ng
RT: 17.251 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:278 Resp: 64199
Ion Ratio Lower Upper
278 100
139 16.6 18.0 27.0#
279 24.4 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 22.439 ng
RT: 17.709 min Scan# 2656
Delta R.T. -0.012 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

Tgt Ion:276 Resp: 236670
Ion Ratio Lower Upper
276 100
277 22.3 18.5 27.7
138 20.7 25.9 38.9#

