

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135529.D
 Acq On : 02 Oct 2023 16:06
 Operator : CG\JU
 Sample : 04672-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

Quant Time: Oct 02 16:25:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

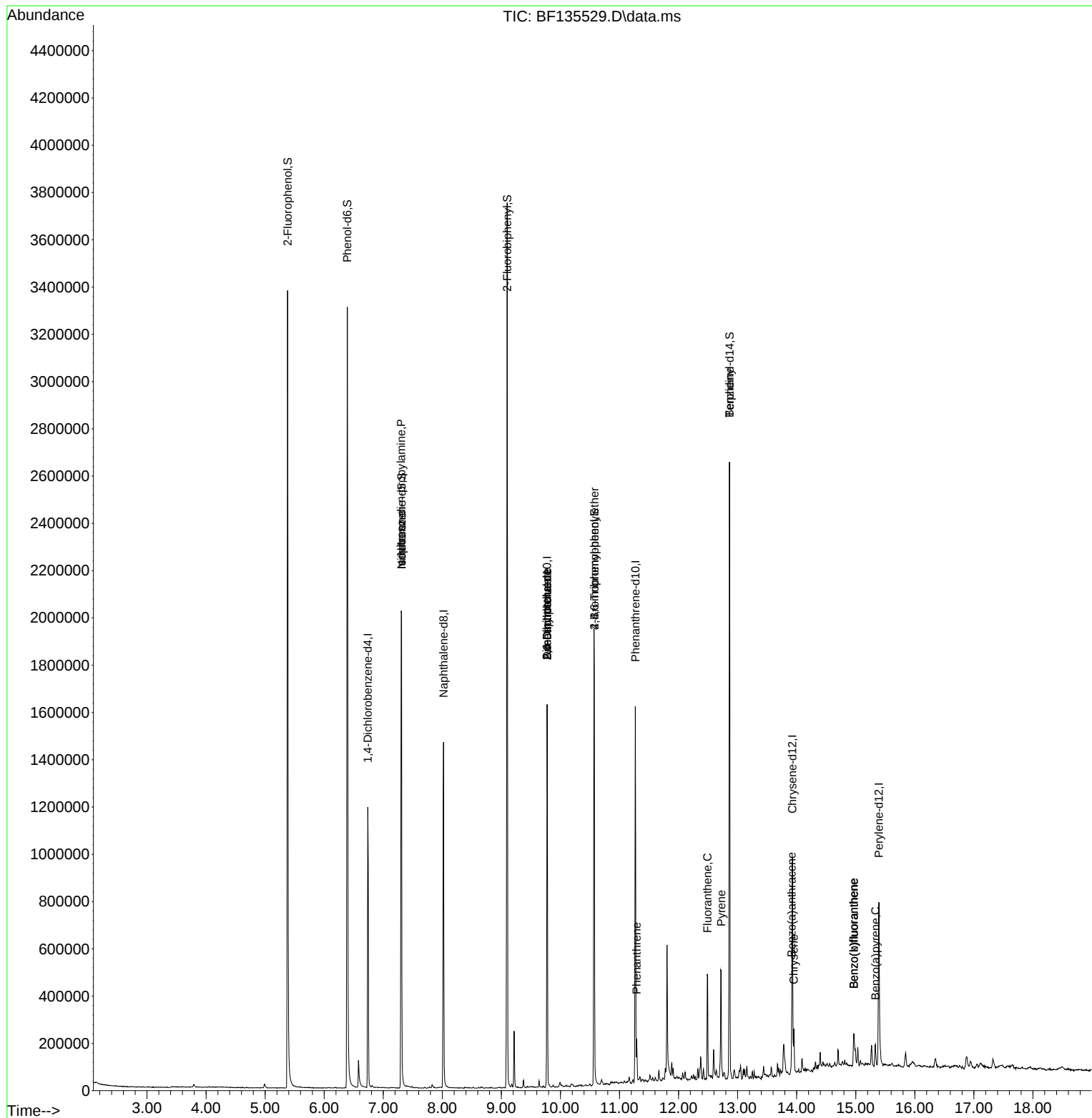
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	174959	20.000	ng	-0.01
21) Naphthalene-d8	8.022	136	656676	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	310356	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	550892	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	273838	20.000	ng	0.00
86) Perylene-d12	15.392	264	311983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	918534	85.388	ng	0.00
7) Phenol-d6	6.392	99	1156347	84.539	ng	-0.01
23) Nitrobenzene-d5	7.310	82	713438	59.026	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	226075	73.301	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1150717	55.939	ng	-0.01
79) Terphenyl-d14	12.863	244	882333	49.949	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	95363	11.256	ng	# 84
25) Isophorone	7.310	82	713428	32.144	ng	# 65
50) Dimethylphthalate	9.775	163	58056	2.767	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	40652	8.844	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	40652	7.064	ng	# 19
67) 4-Bromophenyl-phenylether	10.574	248	15355	2.803	ng	# 1
71) Phenanthrene	11.292	178	59576	2.287	ng	98
75) Fluoranthene	12.492	202	184222	6.786	ng	99
77) Benzidine	12.863	184	11615	2.070	ng	# 94
78) Pyrene	12.721	202	200305	7.683	ng	98
81) Benzo(a)anthracene	13.915	228	59275	3.352	ng	99
83) Chrysene	13.951	228	77000	4.380	ng	98
88) Benzo(b)fluoranthene	14.968	252	102708	6.081	ng	# 93
89) Benzo(k)fluoranthene	14.968	252	102708	6.156	ng	# 93
90) Benzo(a)pyrene	15.333	252	42231	2.622	ng	# 95

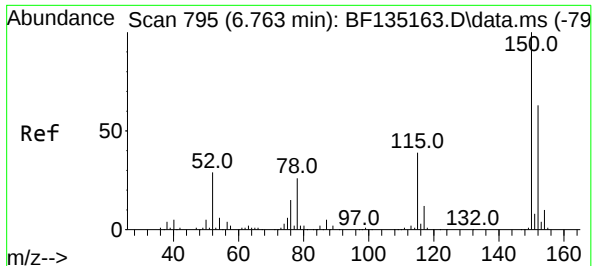
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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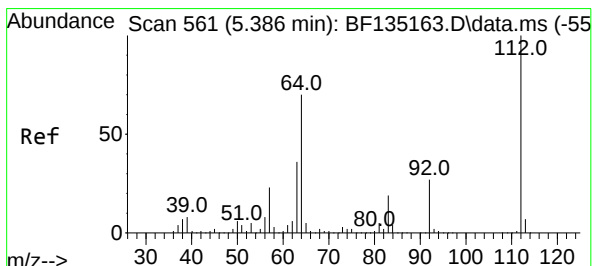
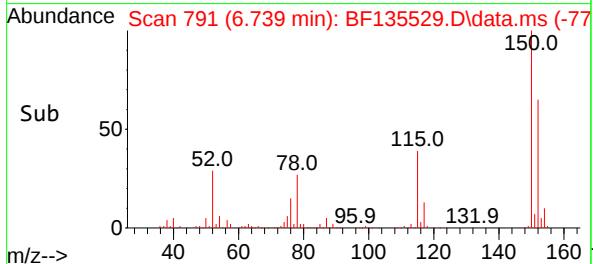
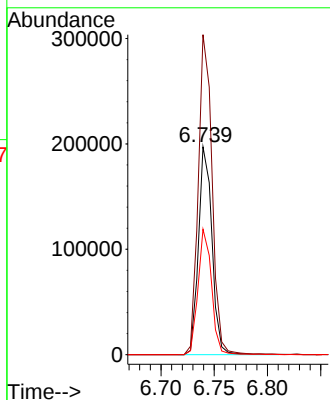
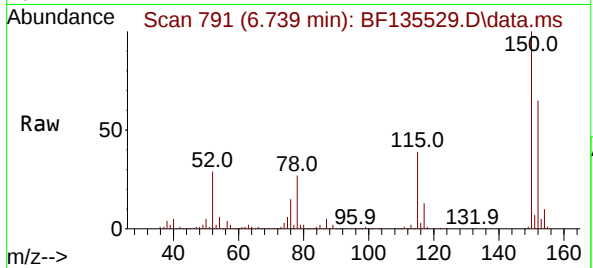




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

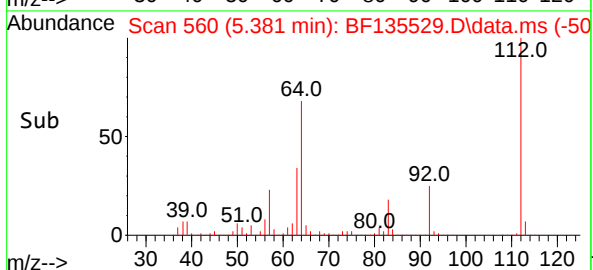
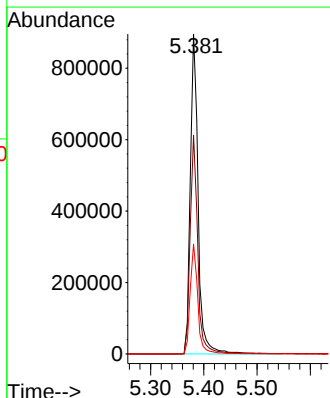
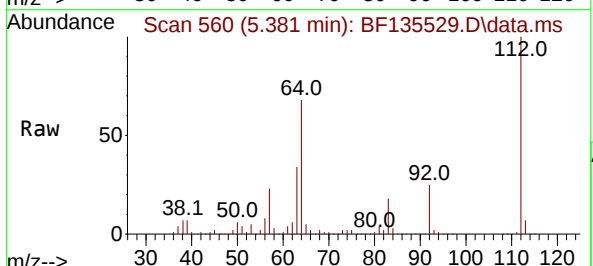
Instrument :
BNA_F
ClientSampleId :
VNJ-208

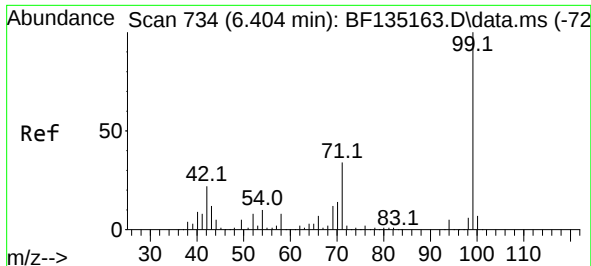
Tgt Ion:152 Resp: 174959
Ion Ratio Lower Upper
152 100
150 153.9 127.8 191.6
115 60.4 49.8 74.8



#5
2-Fluorophenol
Concen: 85.388 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:112 Resp: 918534
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 34.4 29.0 43.6

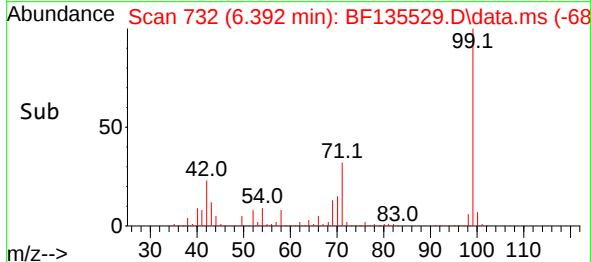
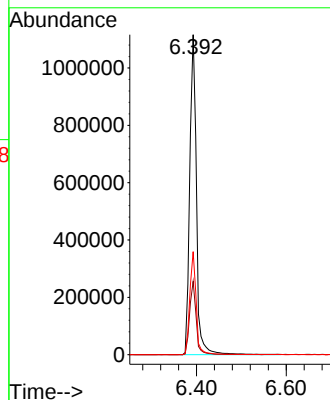
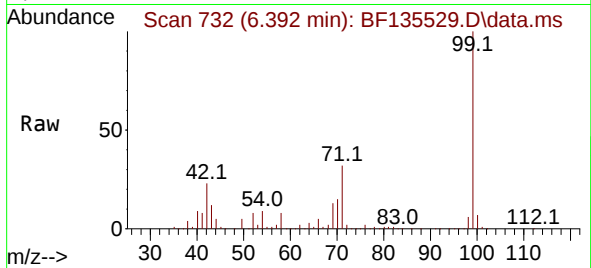




#7
Phenol-d6
Concen: 84.539 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

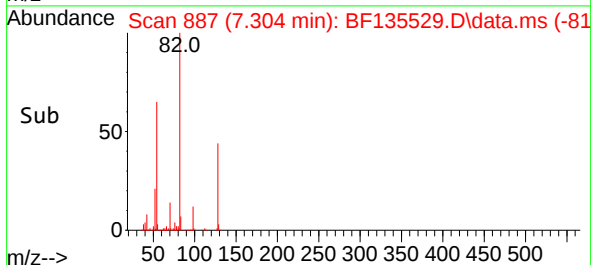
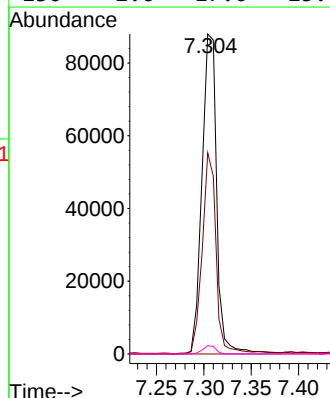
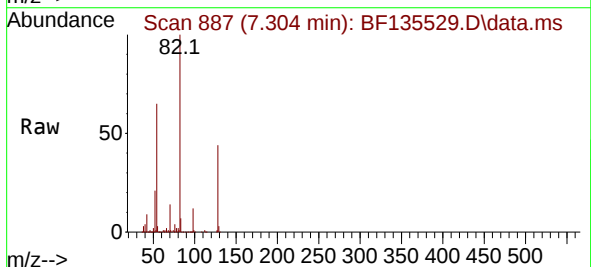
Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion: 99 Resp: 1156347
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 32.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.256 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.135 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion: 70 Resp: 95363
Ion Ratio Lower Upper
70 100
42 62.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.6 17.0 25.6#

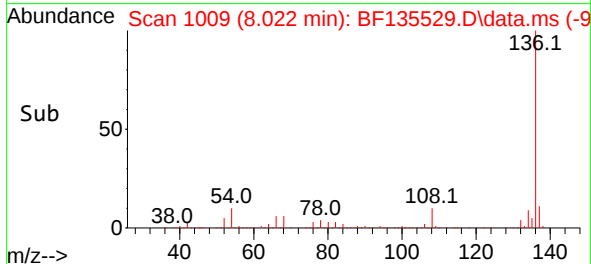
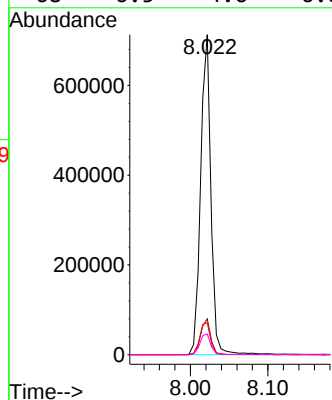
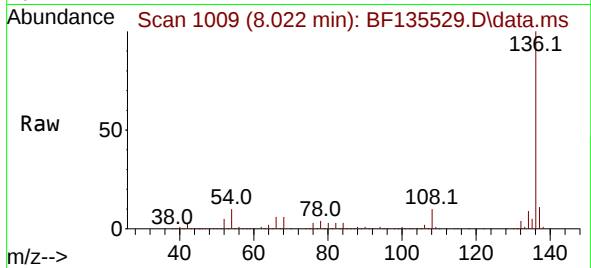




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

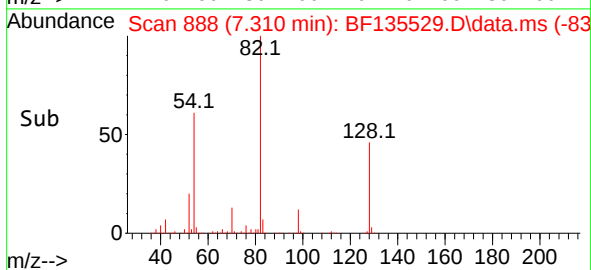
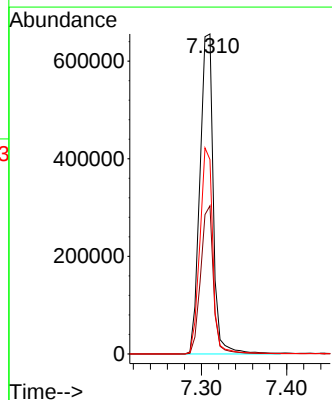
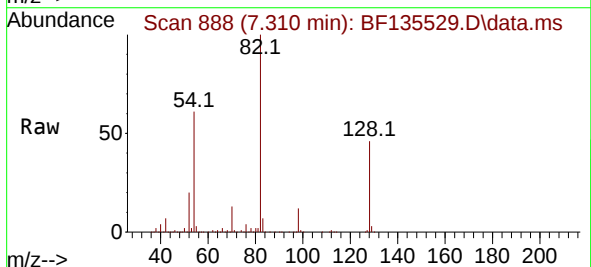
Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:136 Resp: 656676
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.0 7.7 11.5
68 6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 59.026 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion: 82 Resp: 713438
Ion Ratio Lower Upper
82 100
128 46.3 35.8 53.6
54 60.7 50.6 76.0

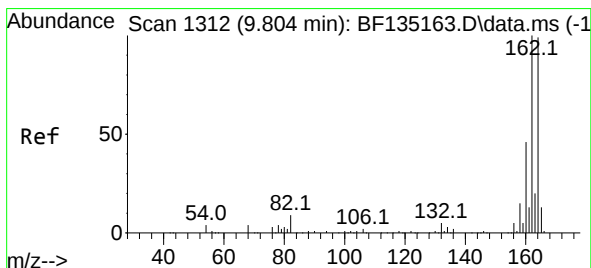
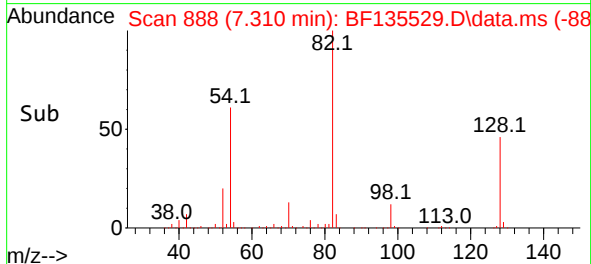
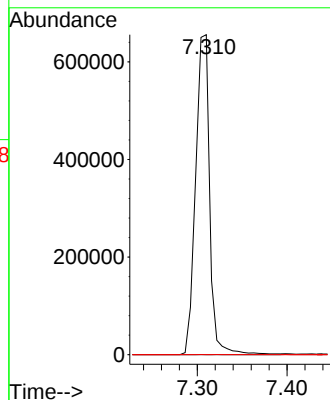
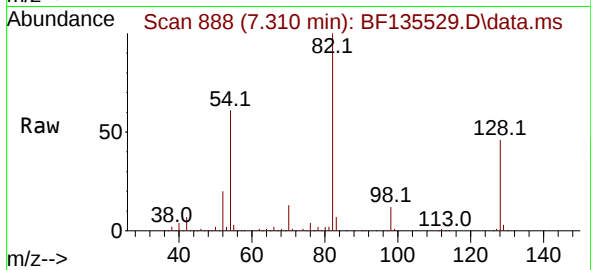




#25
Isophorone
Concen: 32.144 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

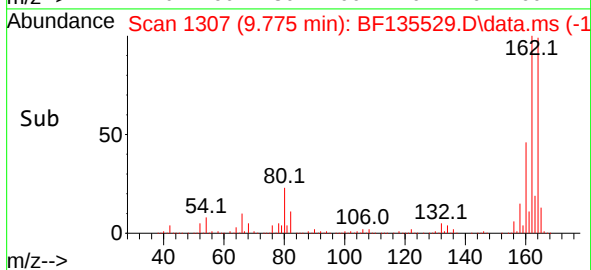
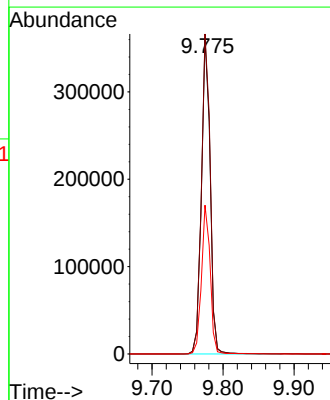
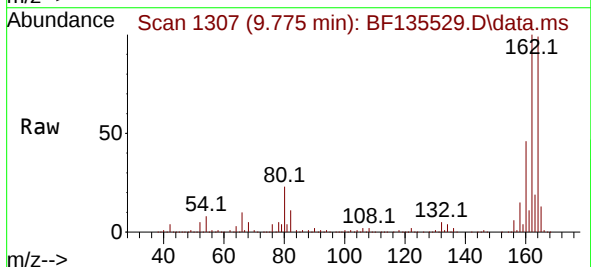
Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion: 82 Resp: 713428
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:164 Resp: 310356
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.4
160 47.0 37.0 55.4

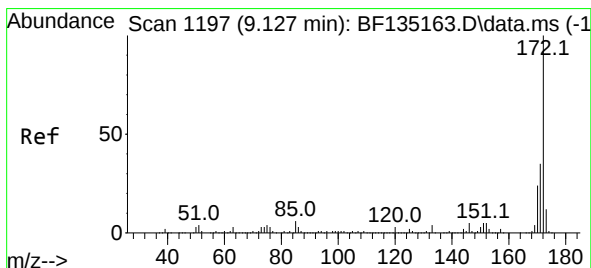
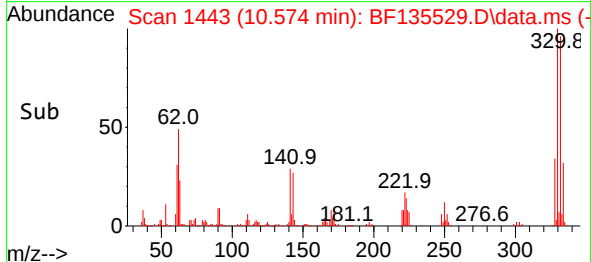
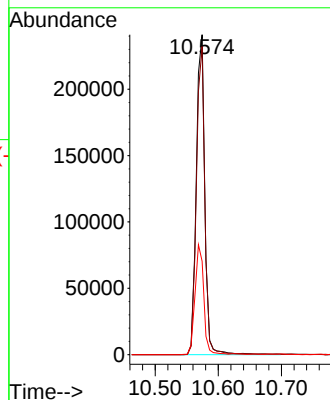
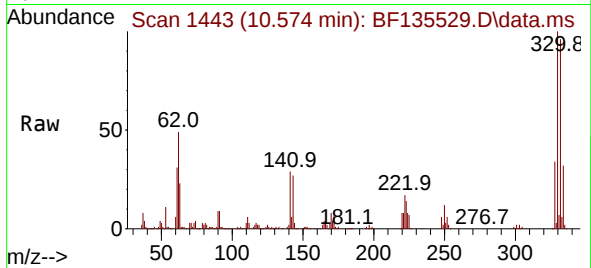




#42
2,4,6-Tribromophenol
Concen: 73.301 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

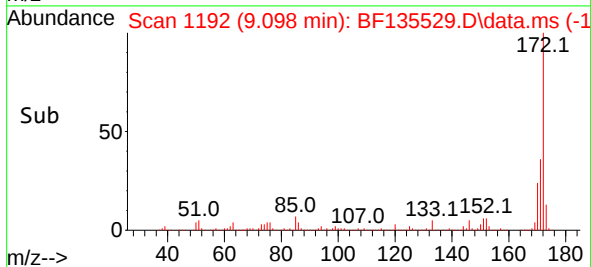
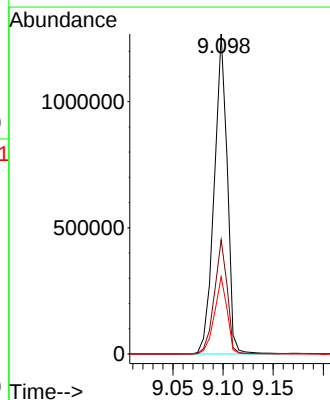
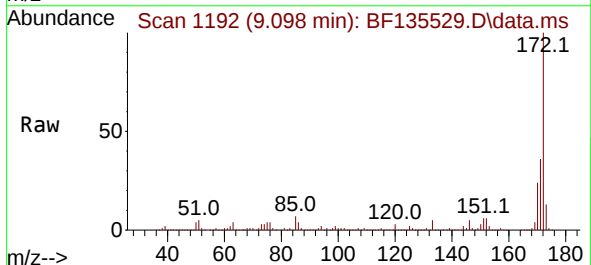
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BNA_F
ClientSampleId :
VNJ-208

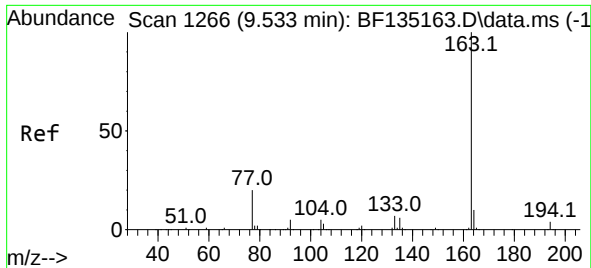
Tgt Ion:330 Resp: 226075
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 35.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 55.939 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:172 Resp: 1150717
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.2 19.0 28.4

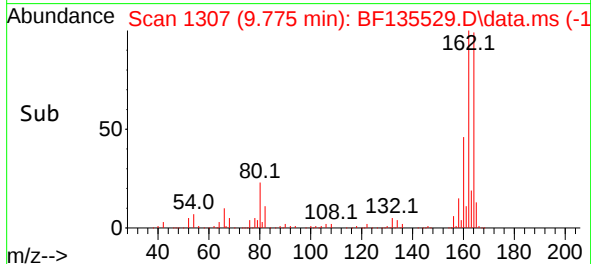
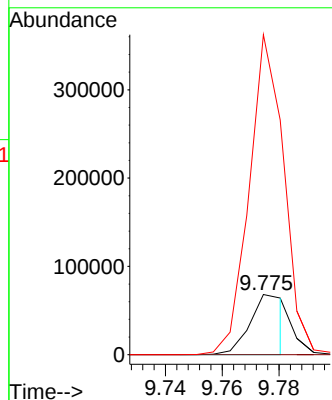
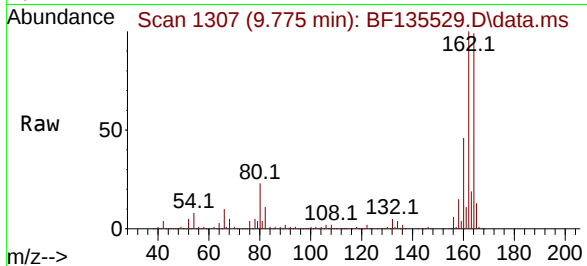




#50
Dimethylphthalate
Concen: 2.767 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

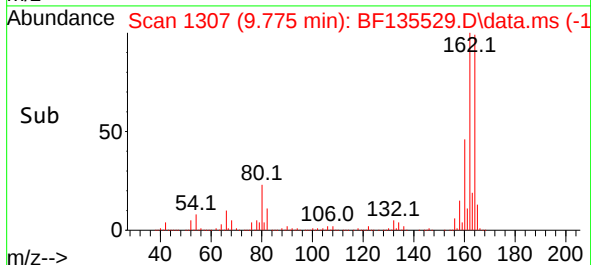
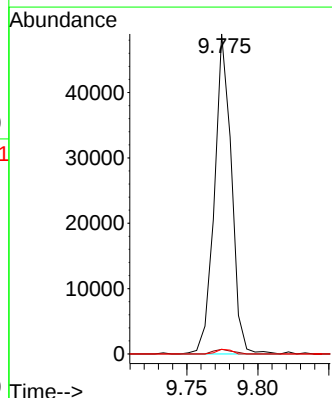
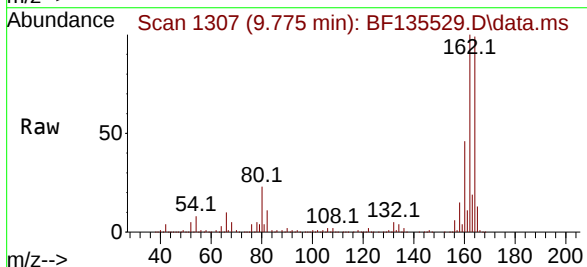
Instrument :
BNA_F
ClientSampleId :
VNJ-208

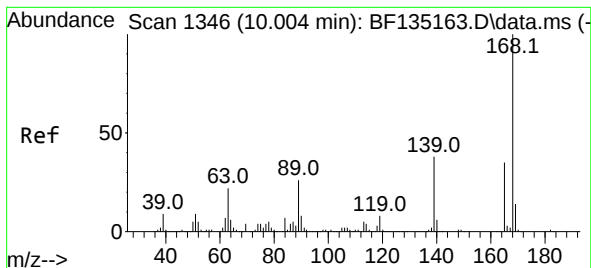
Tgt Ion:163 Resp: 58056
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 532.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.844 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.188 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:165 Resp: 40652
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 1.4 49.8 74.8#

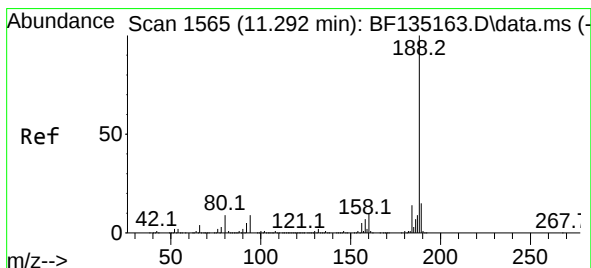
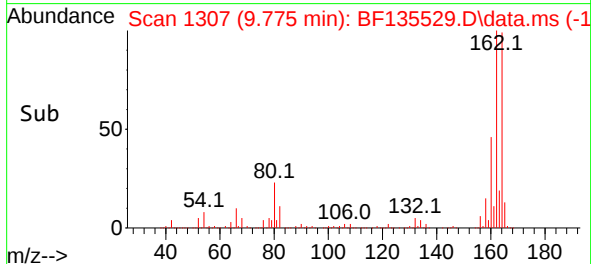
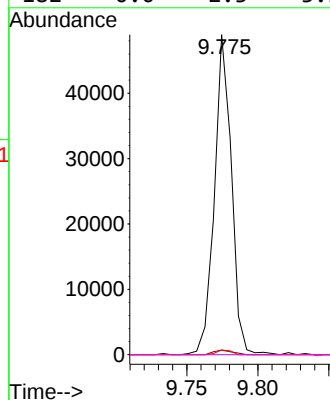
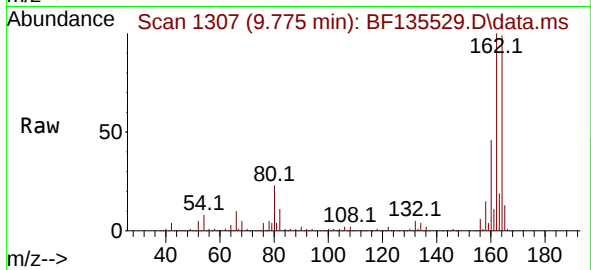




#57
2,4-Dinitrotoluene
Concen: 7.064 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

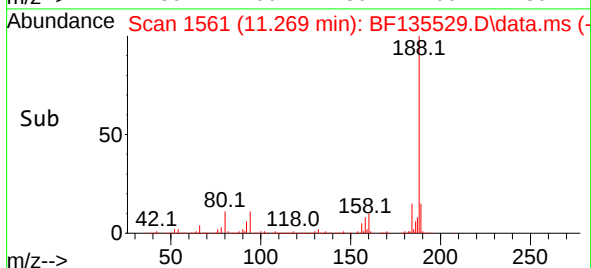
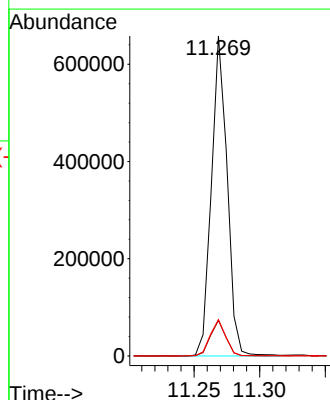
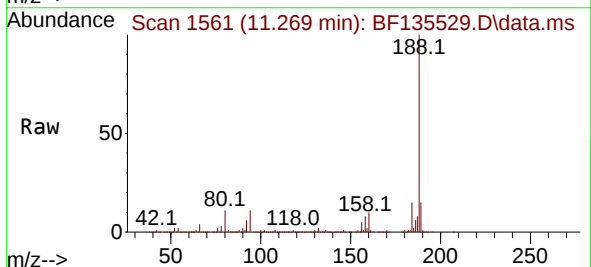
Instrument :
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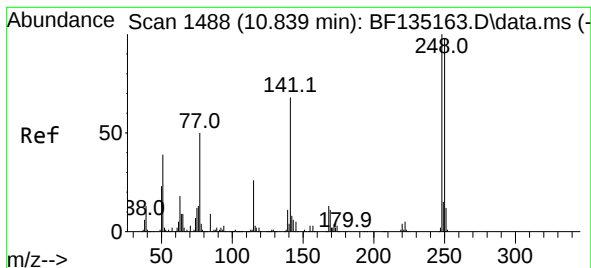
Tgt Ion:165 Resp: 40652
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 1.4 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:188 Resp: 550892
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6#
80 11.4 7.5 11.3#

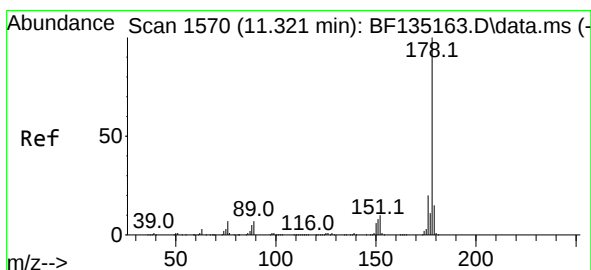
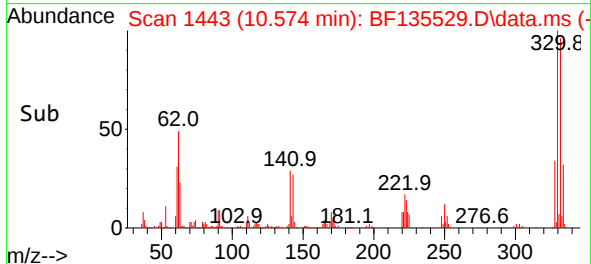
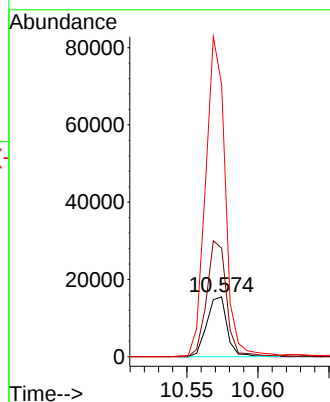
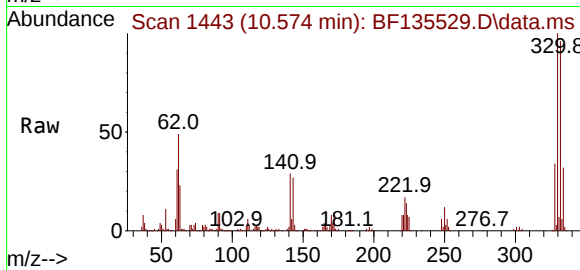




#67
4-Bromophenyl-phenylether
Concen: 2.803 ng
RT: 10.574 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

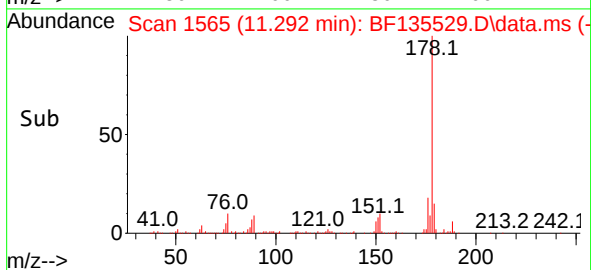
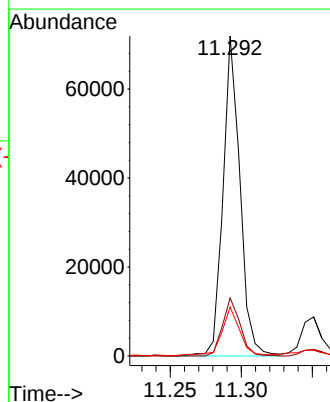
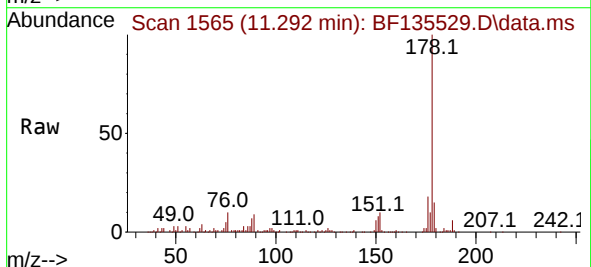
Instrument :
BNA_F
ClientSampleId :
VNJ-208

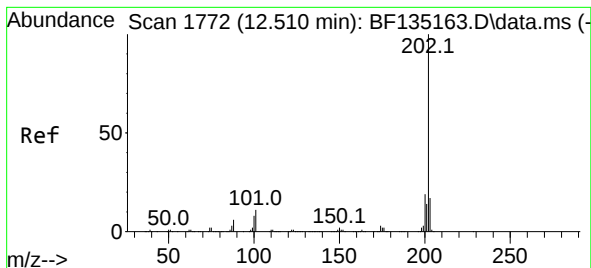
Tgt Ion:248 Resp: 15355
Ion Ratio Lower Upper
248 100
250 181.4 78.6 117.8#
141 454.0 54.2 81.2#



#71
Phenanthrene
Concen: 2.287 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:178 Resp: 59576
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.3 12.0 18.0





#75

Fluoranthene

Concen: 6.786 ng

RT: 12.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135529.D

Acq: 02 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

VNJ-208

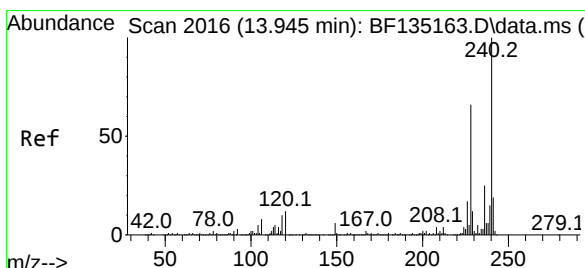
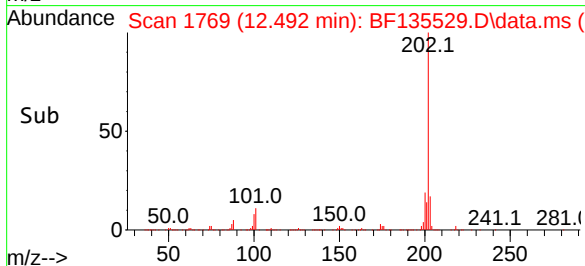
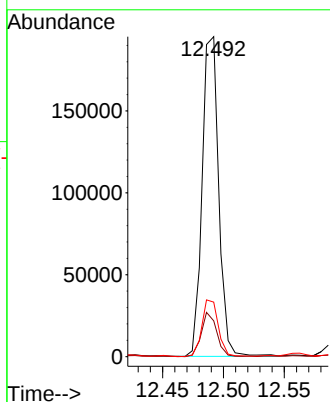
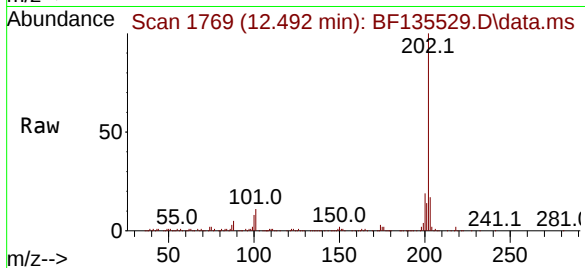
Tgt Ion:202 Resp: 184222

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.3

203 17.0 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF135529.D

Acq: 02 Oct 2023 16:06

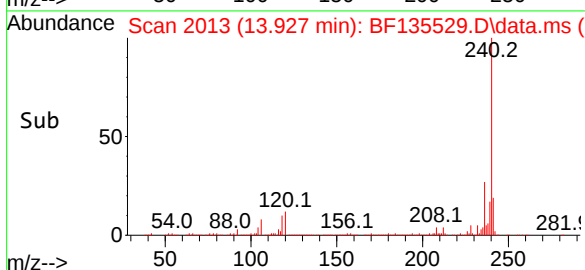
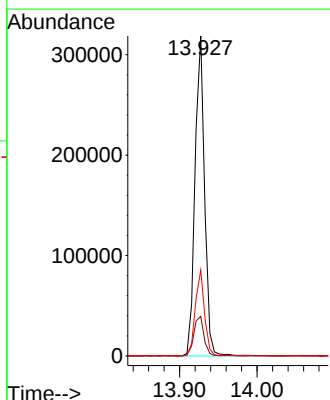
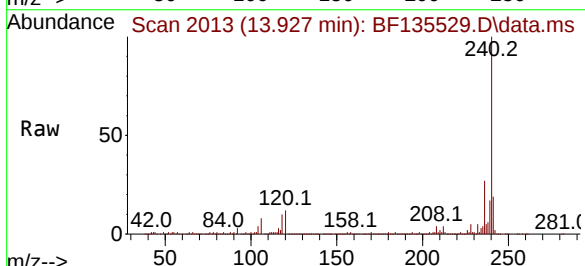
Tgt Ion:240 Resp: 273838

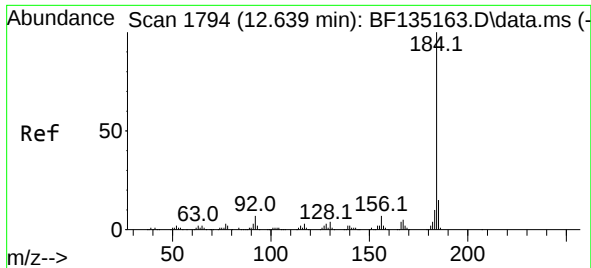
Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

236 26.9 19.8 29.8

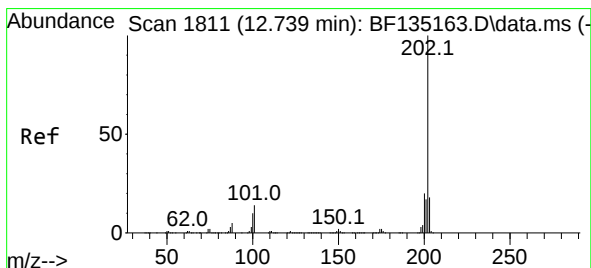
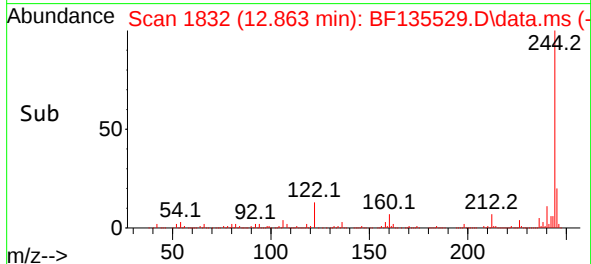
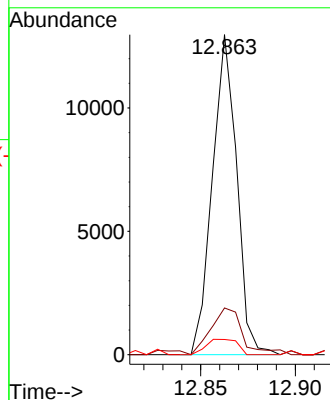
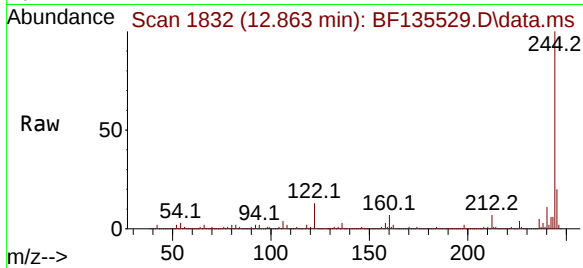




#77
Benzidine
Concen: 2.070 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.241 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

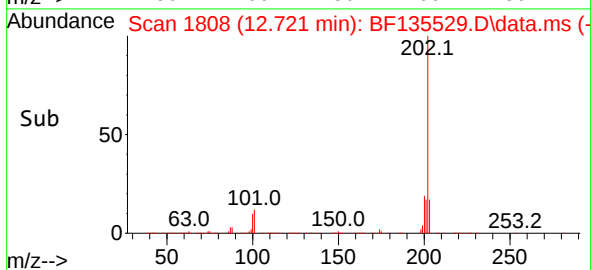
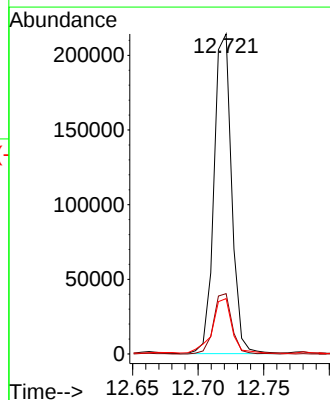
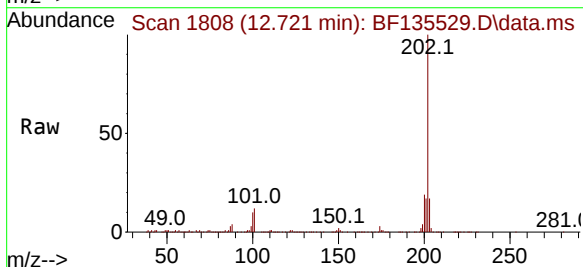
Instrument :
BNA_F
ClientSampleId :
VNJ-208

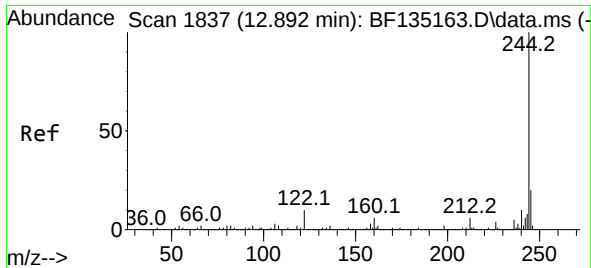
Tgt Ion:184 Resp: 11615
Ion Ratio Lower Upper
184 100
185 14.6 11.7 17.5
183 4.8 8.2 12.4#



#78
Pyrene
Concen: 7.683 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF135529.D
Acq: 02 Oct 2023 16:06

Tgt Ion:202 Resp: 200305
Ion Ratio Lower Upper
202 100
200 18.9 16.2 24.2
203 17.3 14.2 21.4

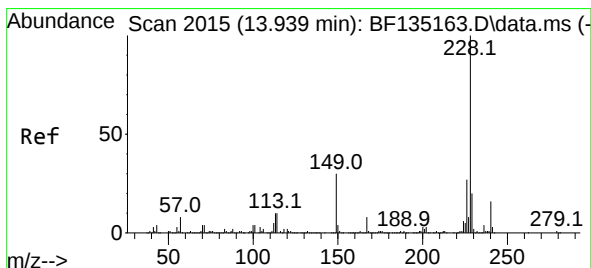
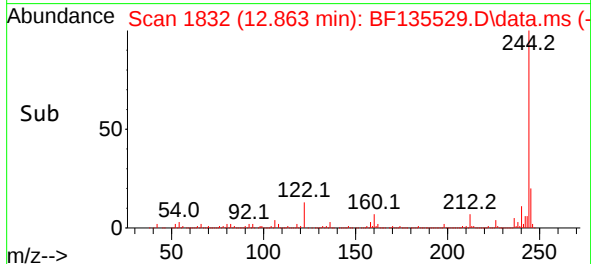
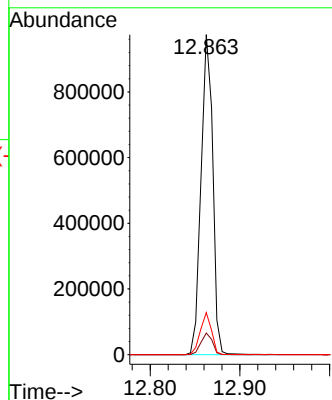
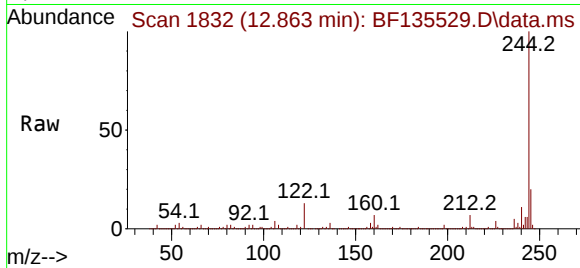




#79
 Terphenyl-d14
 Concen: 49.949 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135529.D
 Acq: 02 Oct 2023 16:06

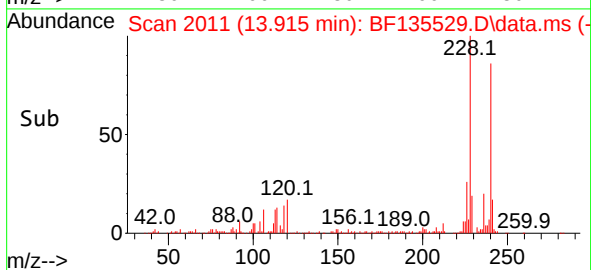
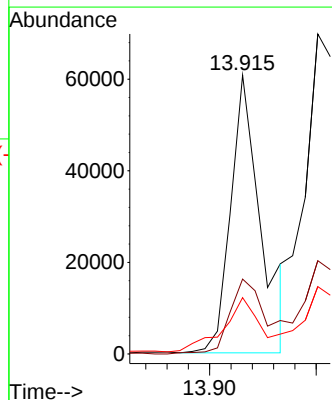
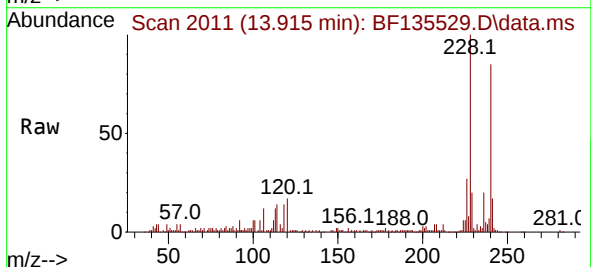
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

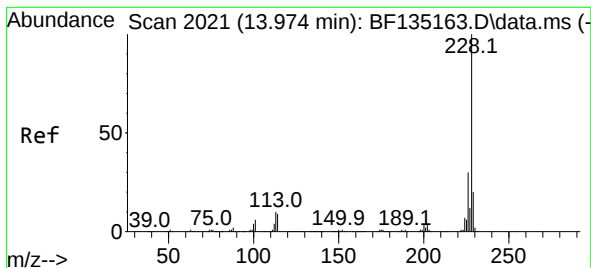
Tgt Ion:244 Resp: 882333
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.2 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 3.352 ng
 RT: 13.915 min Scan# 2011
 Delta R.T. -0.006 min
 Lab File: BF135529.D
 Acq: 02 Oct 2023 16:06

Tgt Ion:228 Resp: 59275
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.7 32.5
 229 20.2 15.8 23.8





#83

Chrysene

Concen: 4.380 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135529.D

Acq: 02 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

VNJ-208

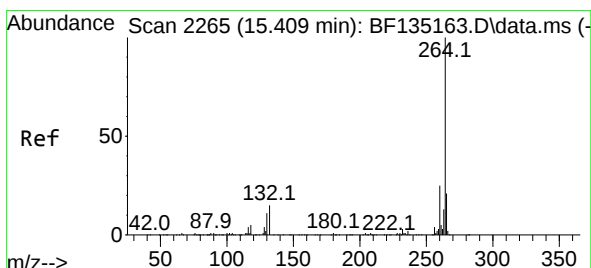
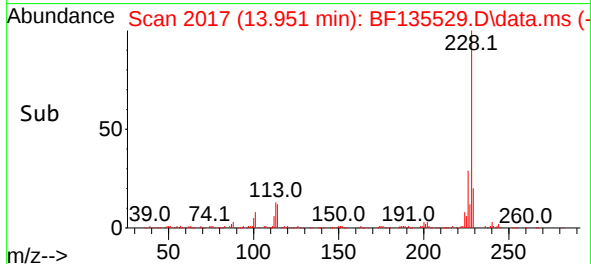
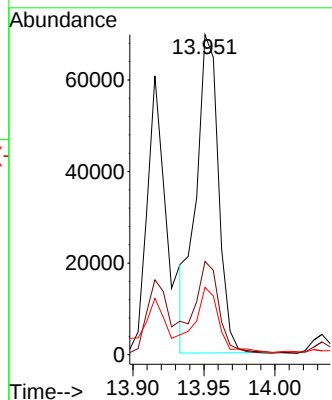
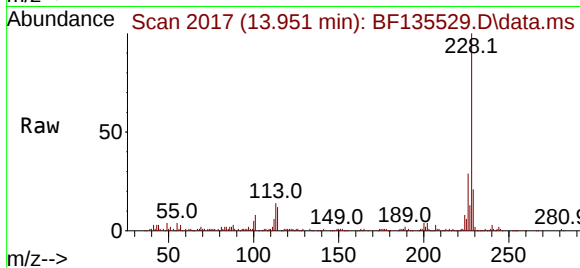
Tgt Ion:228 Resp: 77000

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

229 21.1 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.000 min

Lab File: BF135529.D

Acq: 02 Oct 2023 16:06

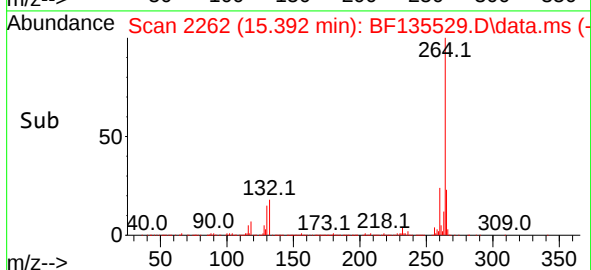
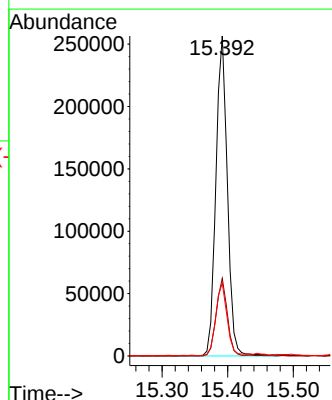
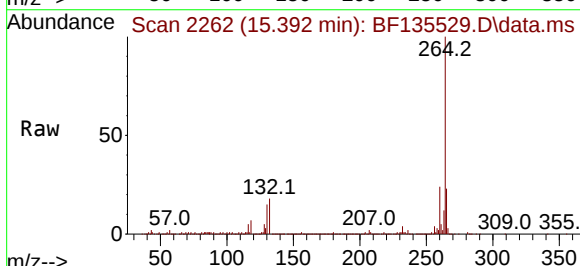
Tgt Ion:264 Resp: 311983

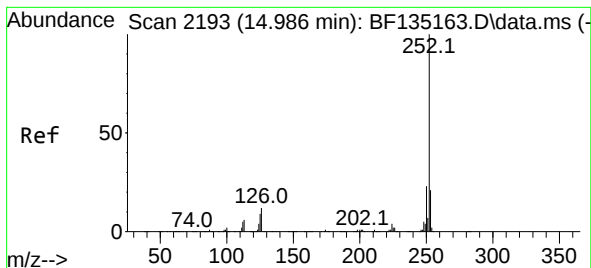
Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

265 22.7 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 6.081 ng

RT: 14.968 min Scan# 2190

Delta R.T. -0.000 min

Lab File: BF135529.D

Acq: 02 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

VNJ-208

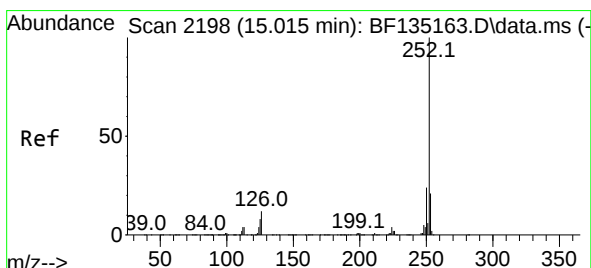
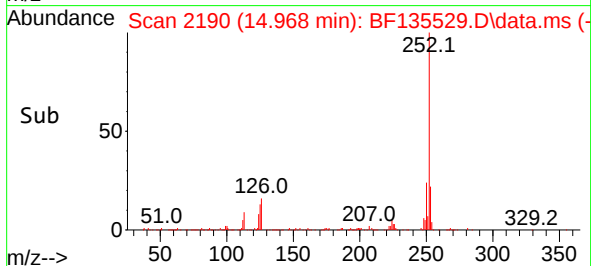
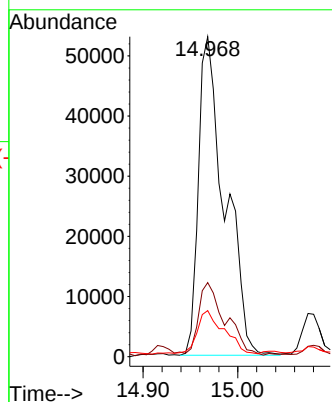
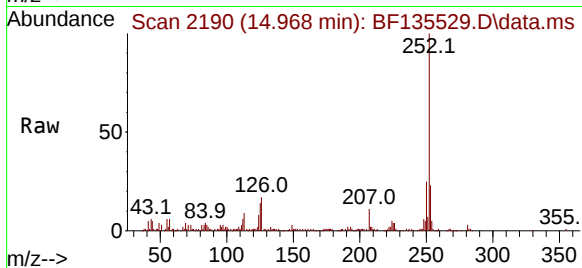
Tgt Ion:252 Resp: 102708

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 14.4 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 6.156 ng

RT: 14.968 min Scan# 2190

Delta R.T. -0.029 min

Lab File: BF135529.D

Acq: 02 Oct 2023 16:06

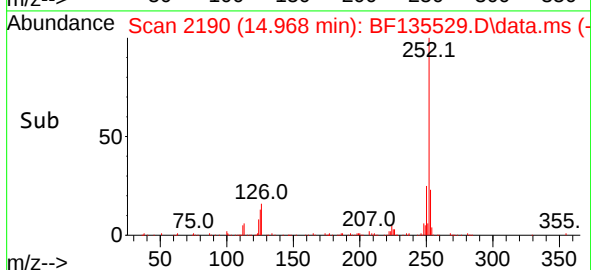
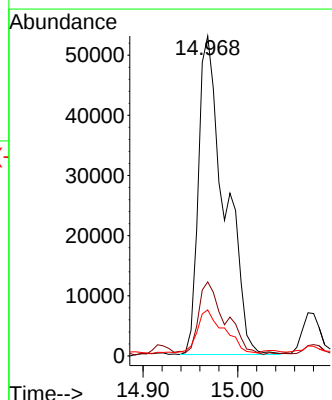
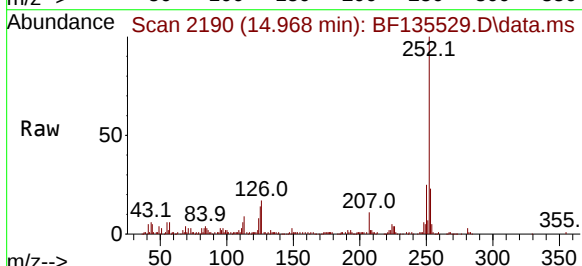
Tgt Ion:252 Resp: 102708

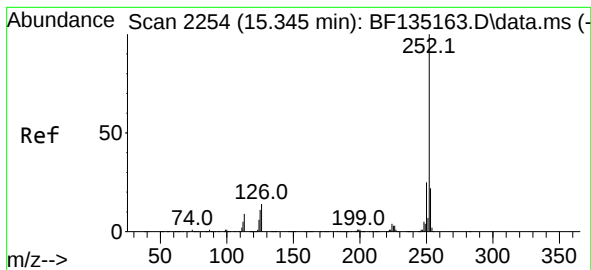
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 14.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.622 ng

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135529.D

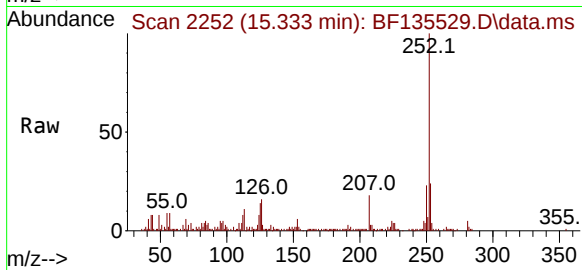
Acq: 02 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

VNJ-208



Tgt Ion:252 Resp: 42231

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 14.1 9.2 13.8#

