

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135229.D
 Acq On : 13 Sep 2023 18:42
 Operator : CG\JU
 Sample : 04363-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Quant Time: Sep 13 20:42:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

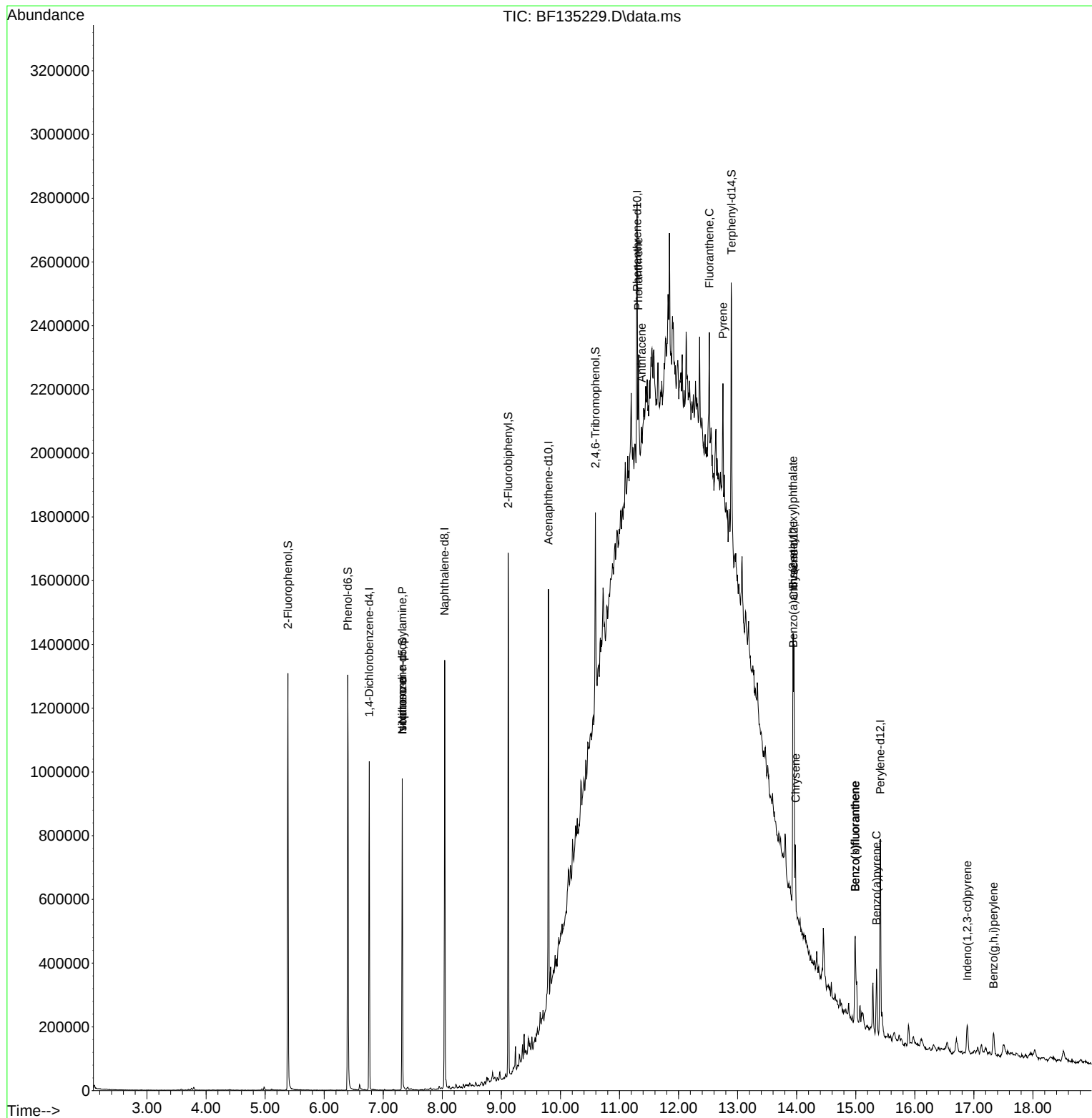
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	141287	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	521605	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	238513	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	307632	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	244187	20.000	ng	0.00
86) Perylene-d12	15.415	264	297770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	321344	36.992	ng	0.00
7) Phenol-d6	6.398	99	407534	36.895	ng	0.00
23) Nitrobenzene-d5	7.322	82	251574	26.203	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	79046	33.349	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	496659	31.416	ng	-0.01
79) Terphenyl-d14	12.898	244	320964	20.376	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	34442	5.034	ng	# 78
25) Isophorone	7.322	82	251572	14.270	ng	# 65
71) Phenanthrene	11.322	178	123665	8.500	ng	# 94
72) Anthracene	11.374	178	30983	2.072	ng	# 72
75) Fluoranthene	12.521	202	176001	11.609	ng	96
78) Pyrene	12.751	202	171570	7.380	ng	97
81) Benzo(a)anthracene	13.945	228	103171	6.543	ng	95
83) Chrysene	13.980	228	100323	6.399	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	175523	20.896	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	62427	3.197	ng	95
88) Benzo(b)fluoranthene	14.992	252	193129	11.981	ng	# 96
89) Benzo(k)fluoranthene	14.992	252	193129	12.129	ng	# 96
90) Benzo(a)pyrene	15.351	252	96002	6.245	ng	98
92) Benzo(g,h,i)perylene	17.333	276	60703	3.639	ng	96

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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QLast Update : Tue Sep 12 00:19:07 2023
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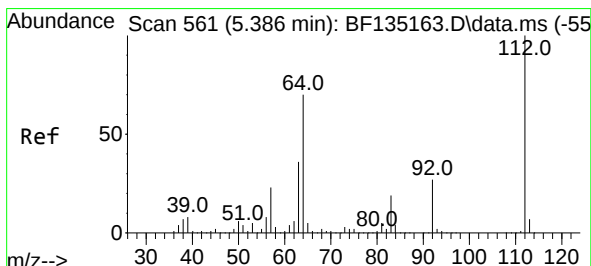
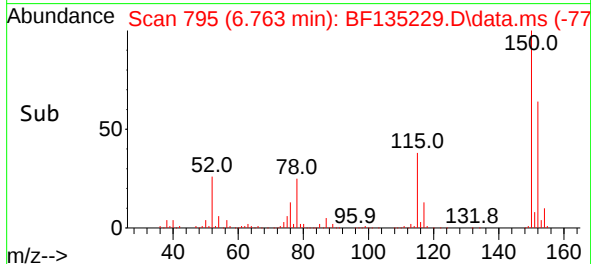
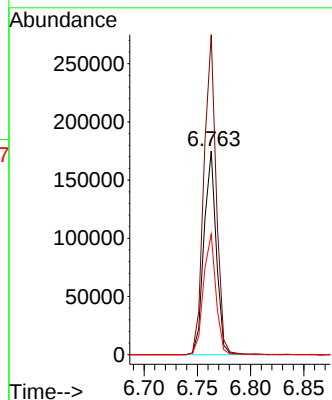
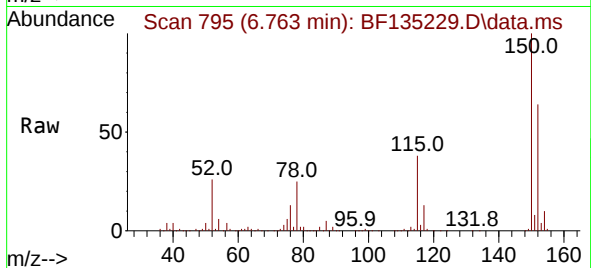




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

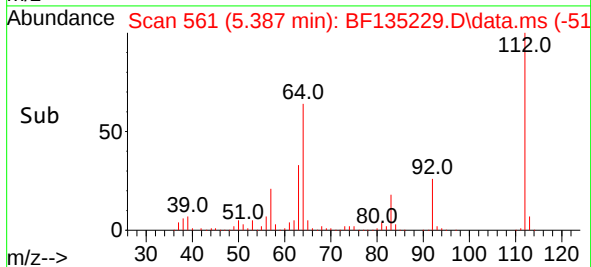
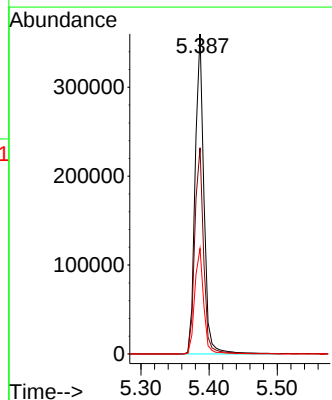
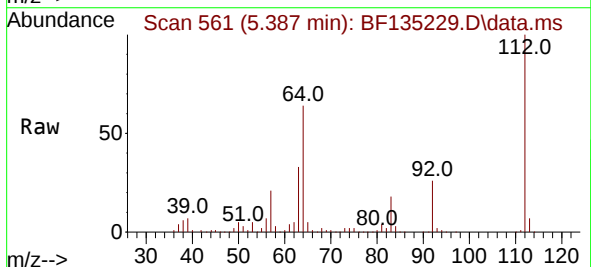
Instrument :
BNA_F
ClientSampleId :
VNJ-222

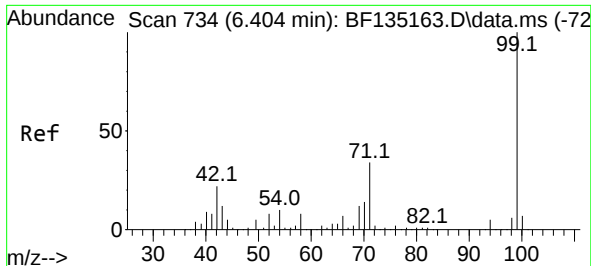
Tgt Ion:152 Resp: 141287
Ion Ratio Lower Upper
152 100
150 157.1 127.8 191.6
115 59.3 49.8 74.8



#5
2-Fluorophenol
Concen: 36.992 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Tgt Ion:112 Resp: 321344
Ion Ratio Lower Upper
112 100
64 64.4 55.9 83.9
63 32.9 29.0 43.6

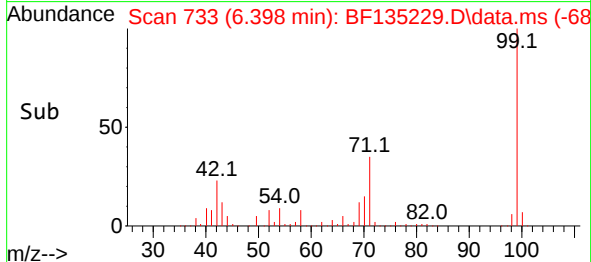
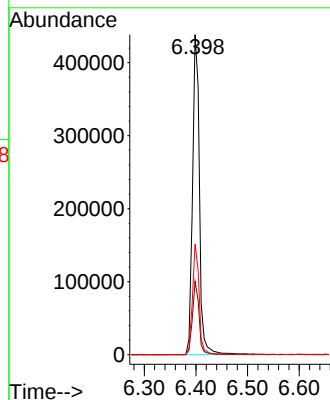
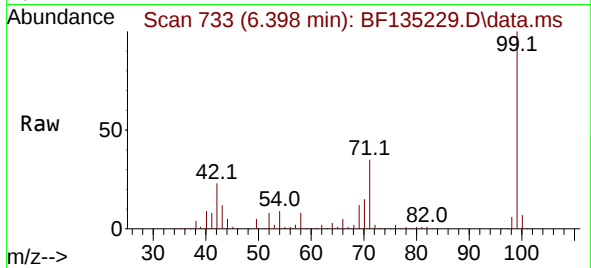




#7
Phenol-d6
Concen: 36.895 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

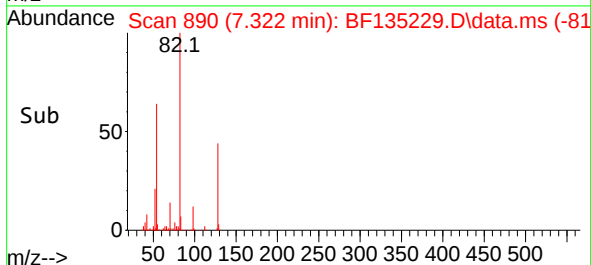
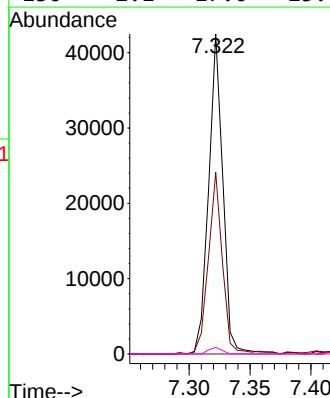
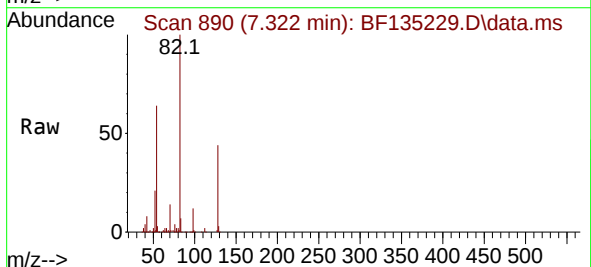
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion: 99 Resp: 407534
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.034 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Tgt Ion: 70 Resp: 34442
Ion Ratio Lower Upper
70 100
42 56.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

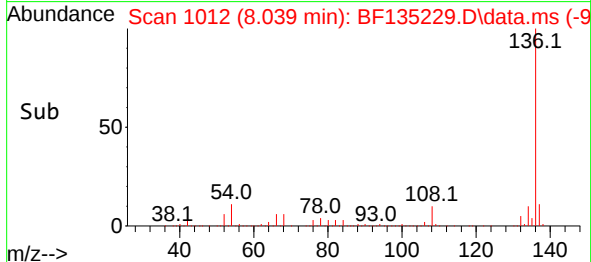
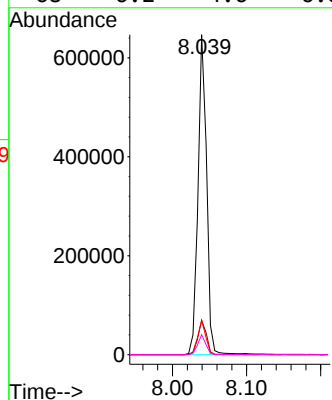
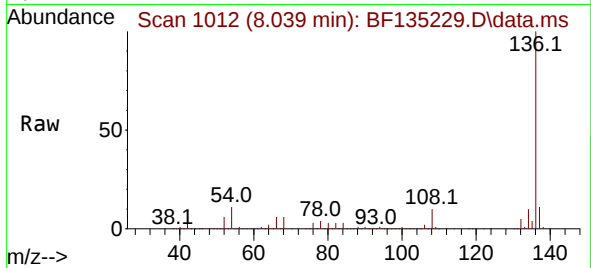




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

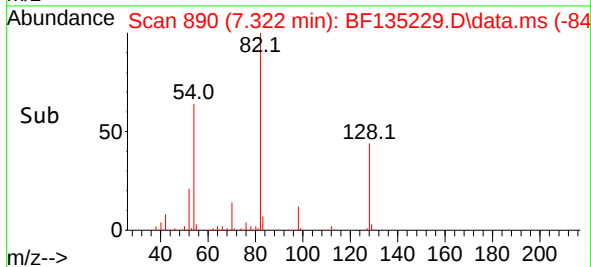
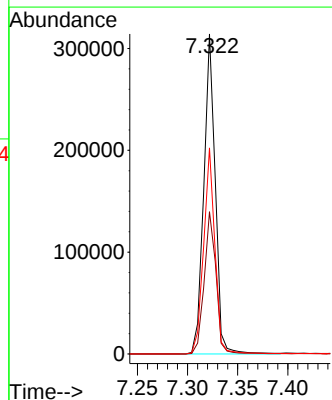
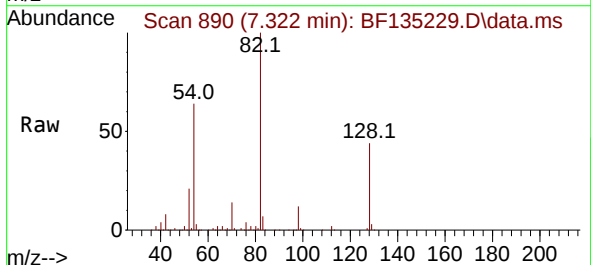
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:136 Resp: 521605
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.7 7.7 11.5
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 26.203 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Tgt Ion: 82 Resp: 251574
Ion Ratio Lower Upper
82 100
128 44.5 35.8 53.6
54 64.4 50.6 76.0

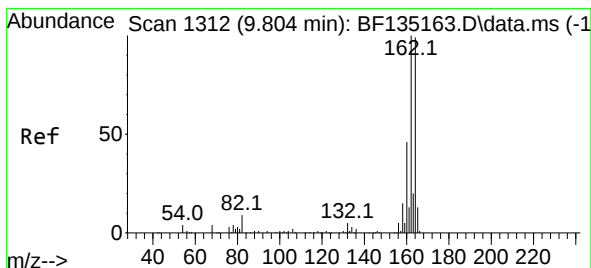
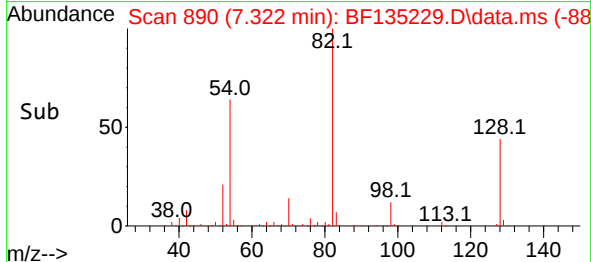
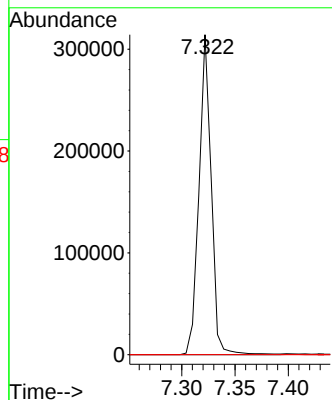
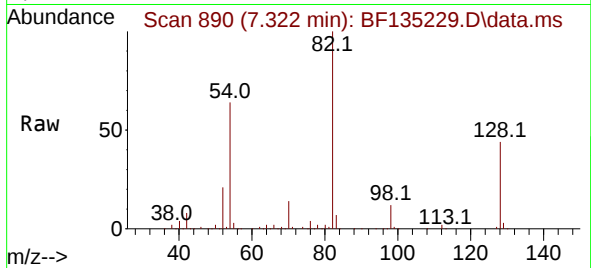




#25
Isophorone
Concen: 14.270 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

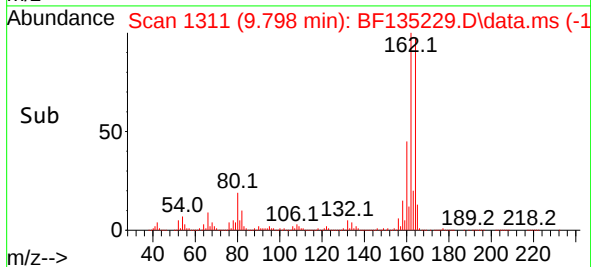
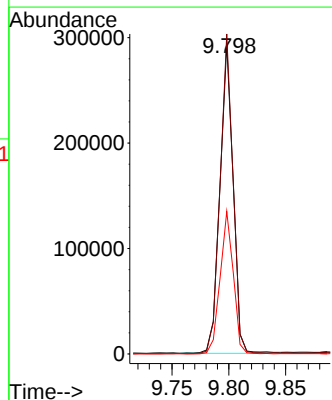
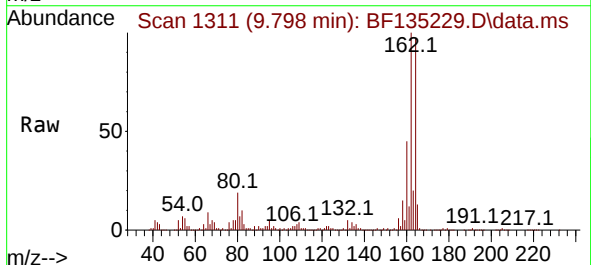
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion: 82 Resp: 251572
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: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Tgt Ion: 164 Resp: 238513
Ion Ratio Lower Upper
164 100
162 103.3 81.0 121.4
160 46.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 33.349 ng

RT: 10.592 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

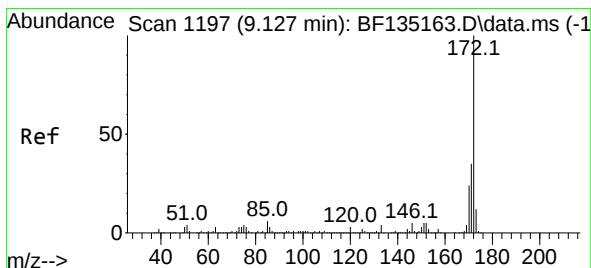
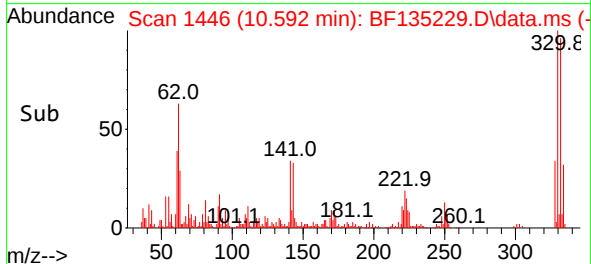
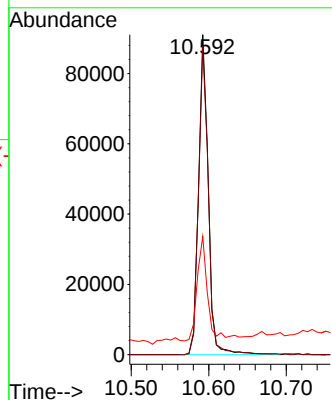
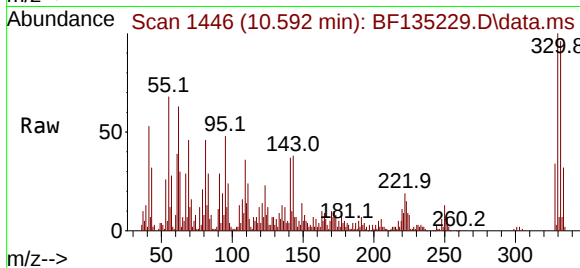
Tgt Ion:330 Resp: 79046

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

141 35.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 31.416 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

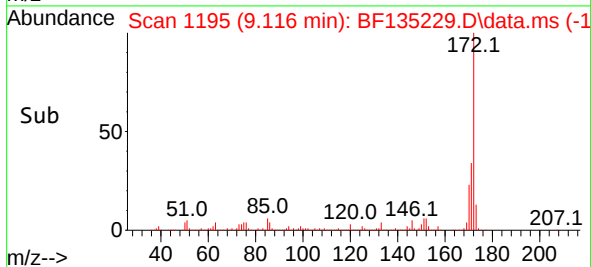
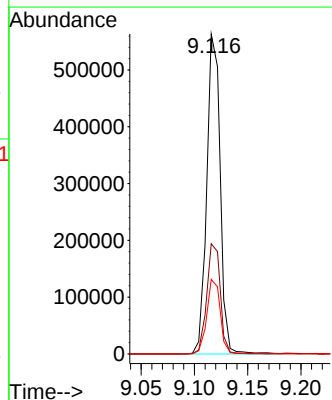
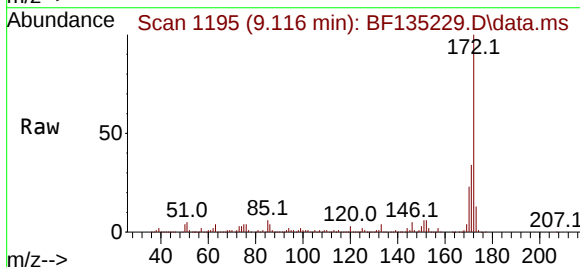
Tgt Ion:172 Resp: 496659

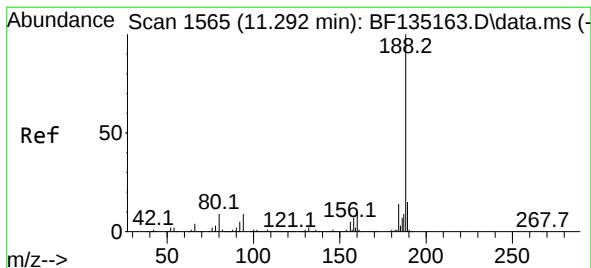
Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 23.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

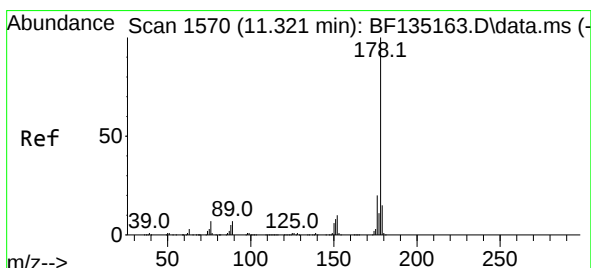
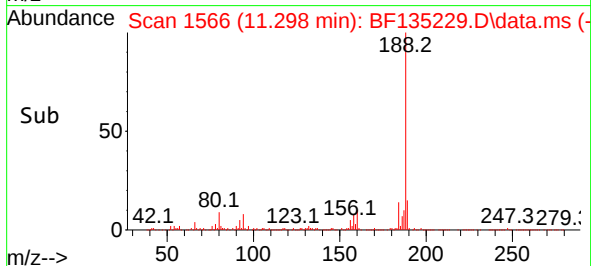
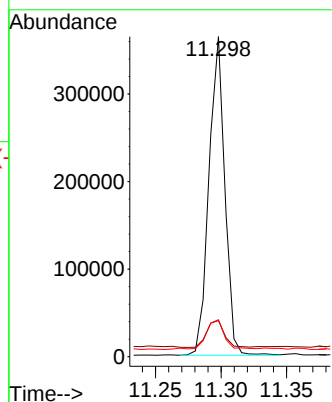
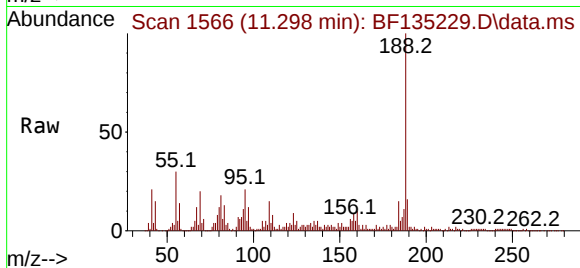
Tgt Ion:188 Resp: 307632

Ion Ratio Lower Upper

188 100

94 11.3 7.0 10.6#

80 11.5 7.5 11.3#



#71

Phenanthrene

Concen: 8.500 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

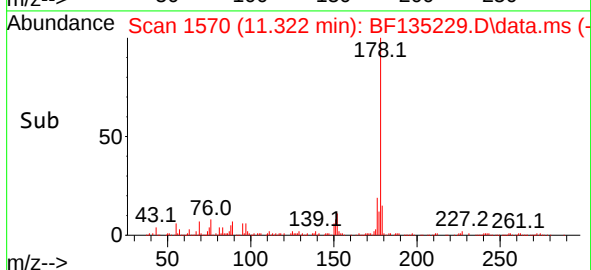
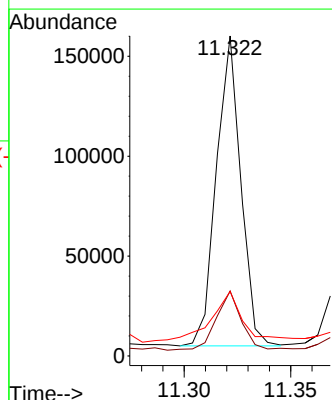
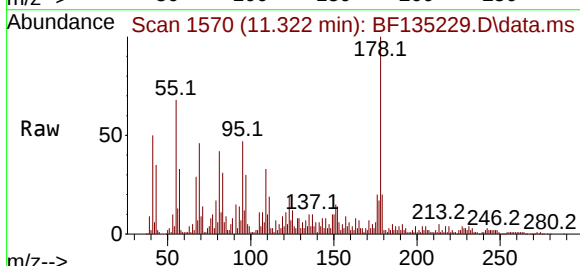
Tgt Ion:178 Resp: 123665

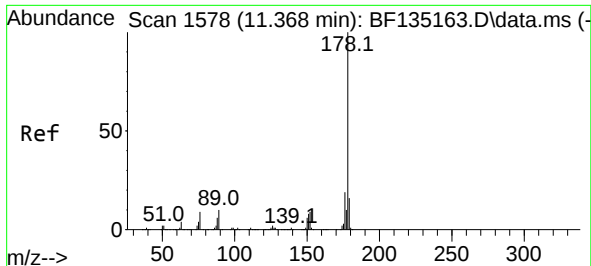
Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

179 20.1 12.0 18.0#

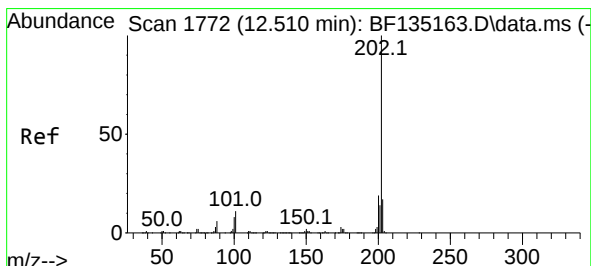
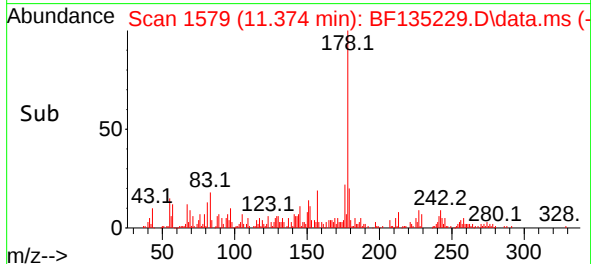
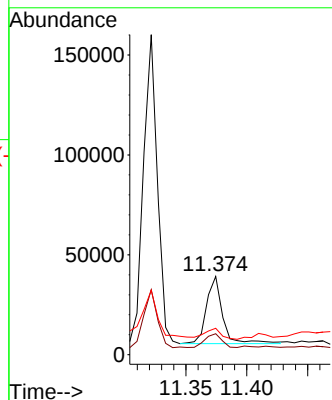
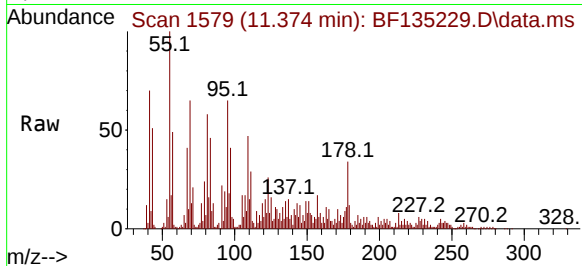




#72
 Anthracene
 Concen: 2.072 ng
 RT: 11.374 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF135229.D
 Acq: 13 Sep 2023 18:42

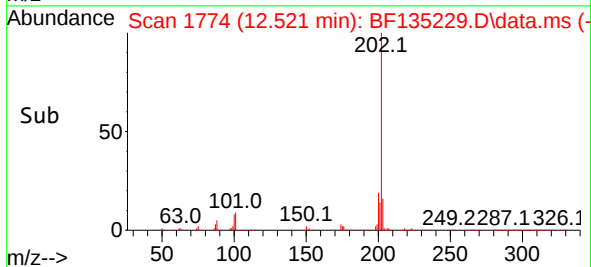
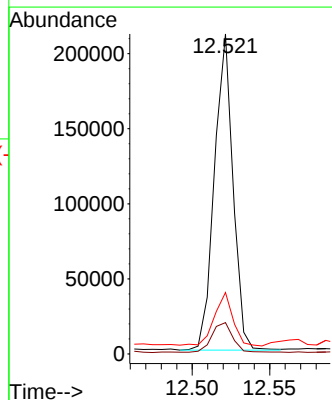
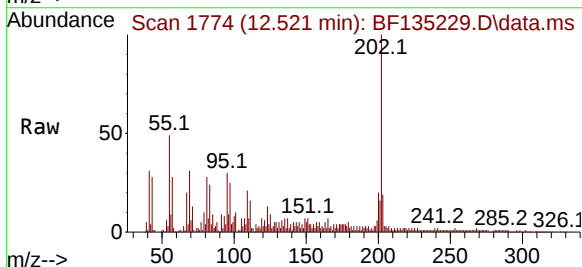
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

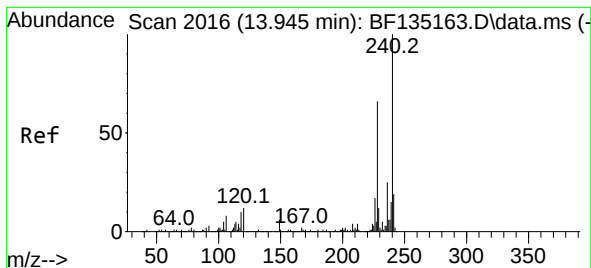
Tgt Ion:178 Resp: 30983
 Ion Ratio Lower Upper
 178 100
 176 26.8 15.4 23.2#
 179 33.7 12.6 19.0#



#75
 Fluoranthene
 Concen: 11.609 ng
 RT: 12.521 min Scan# 1774
 Delta R.T. 0.012 min
 Lab File: BF135229.D
 Acq: 13 Sep 2023 18:42

Tgt Ion:202 Resp: 176001
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.3
 203 19.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

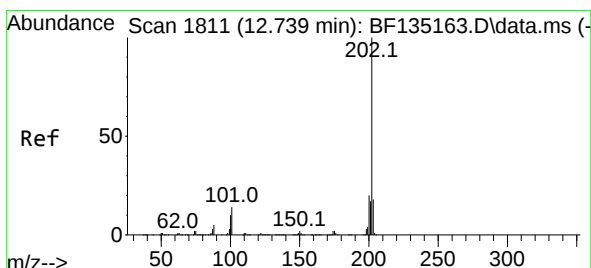
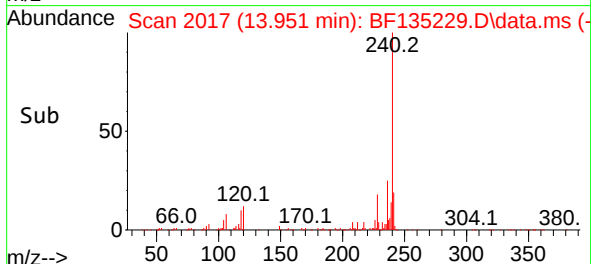
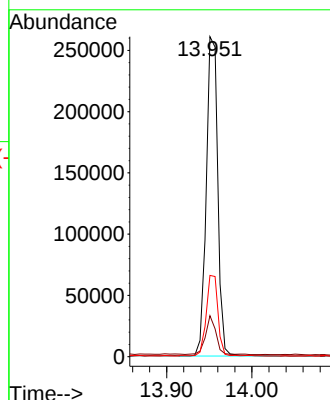
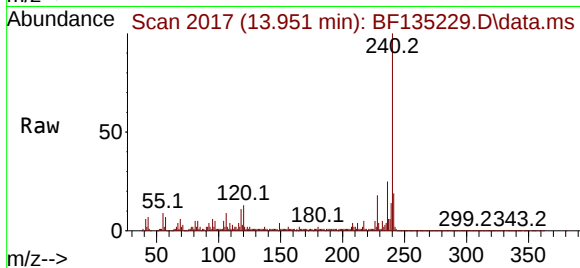
Tgt Ion:240 Resp: 244187

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

236 25.4 19.8 29.8



#78

Pyrene

Concen: 7.380 ng

RT: 12.751 min Scan# 1813

Delta R.T. 0.012 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

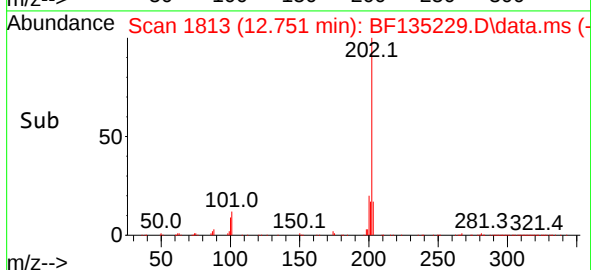
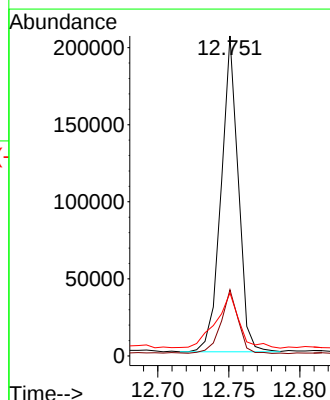
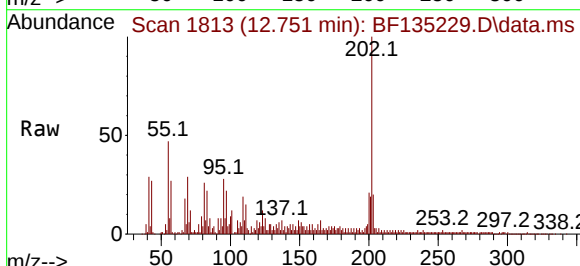
Tgt Ion:202 Resp: 171570

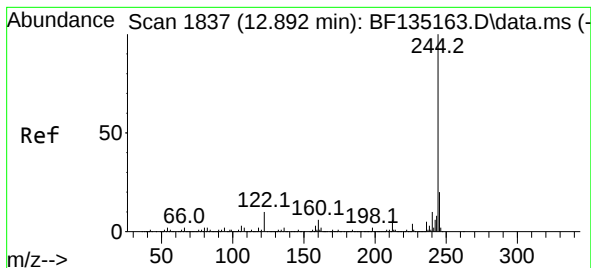
Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

203 19.7 14.2 21.4





#79

Terphenyl-d14

Concen: 20.376 ng

RT: 12.898 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

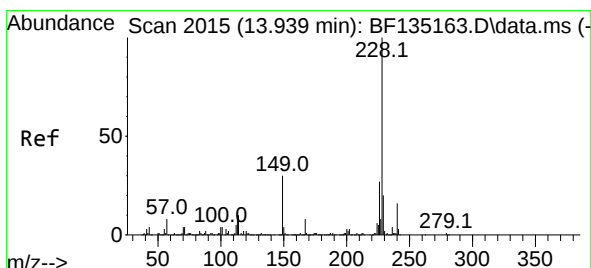
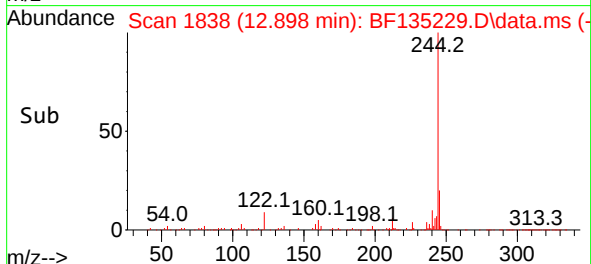
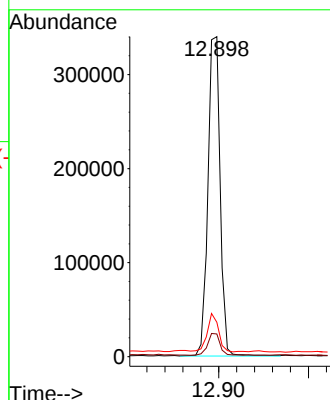
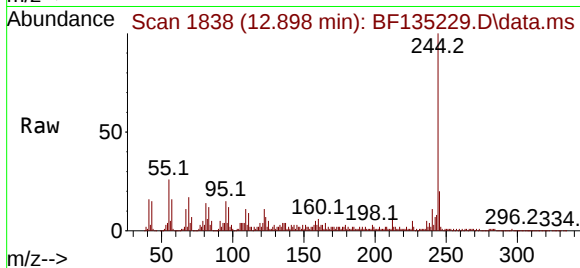
Tgt Ion:244 Resp: 320964

Ion Ratio Lower Upper

244 100

212 7.1 5.1 7.7

122 10.7 7.9 11.9



#81

Benzo(a)anthracene

Concen: 6.543 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

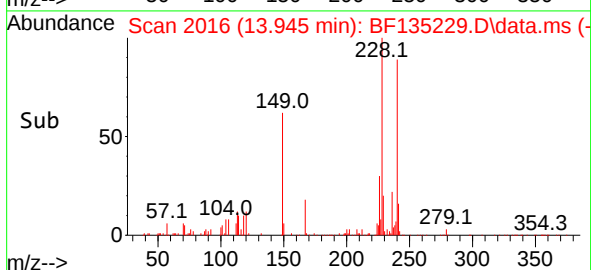
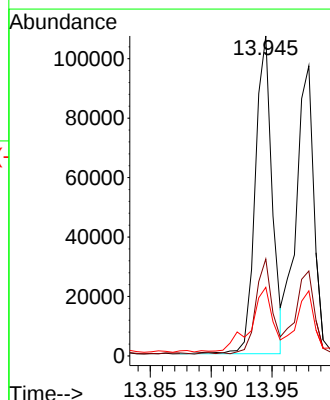
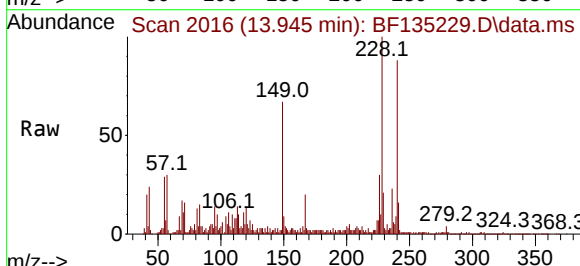
Tgt Ion:228 Resp: 103171

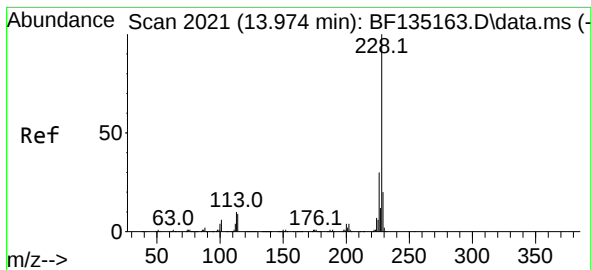
Ion Ratio Lower Upper

228 100

226 30.3 21.7 32.5

229 21.5 15.8 23.8





#83

Chrysene

Concen: 6.399 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

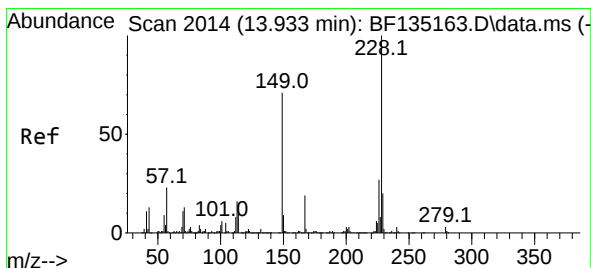
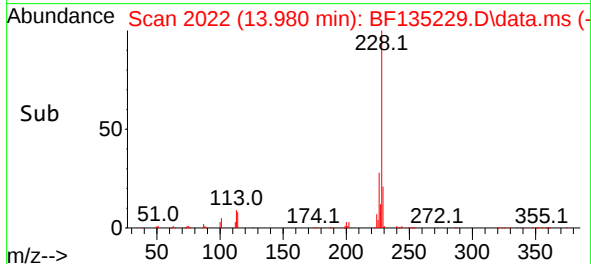
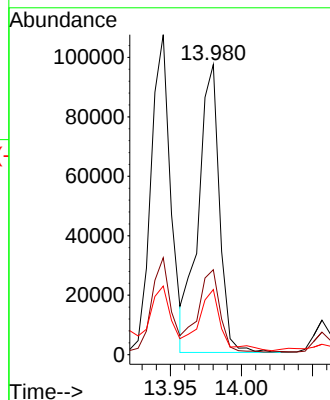
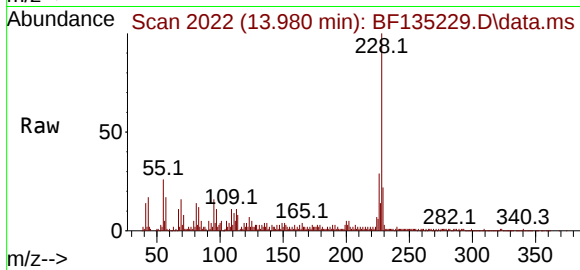
Tgt Ion:228 Resp: 100323

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

229 22.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.896 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

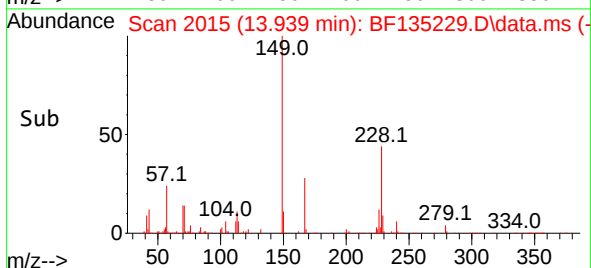
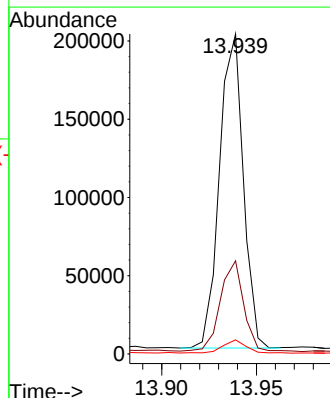
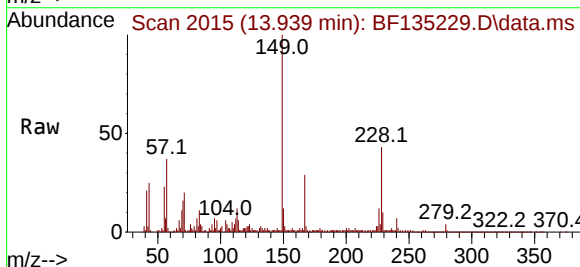
Tgt Ion:149 Resp: 175523

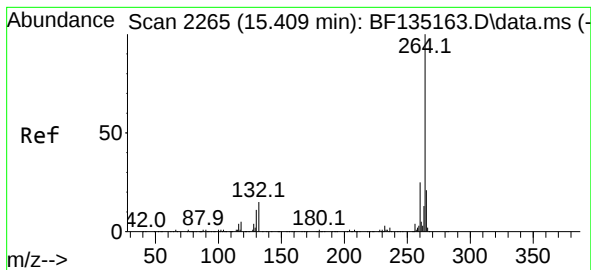
Ion Ratio Lower Upper

149 100

167 29.1 21.9 32.9

279 4.4 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

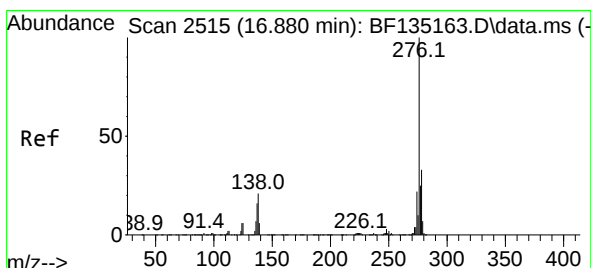
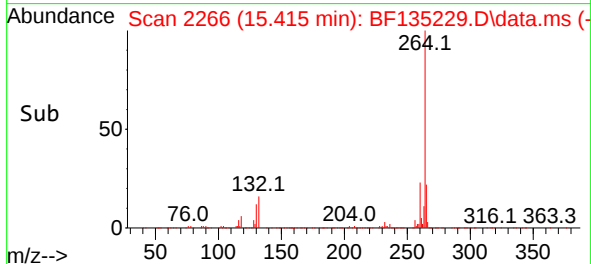
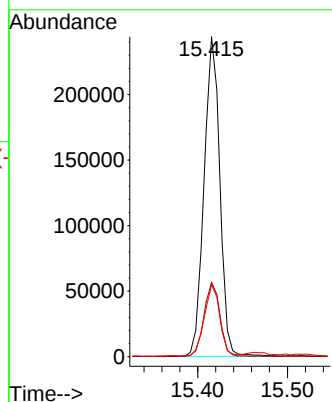
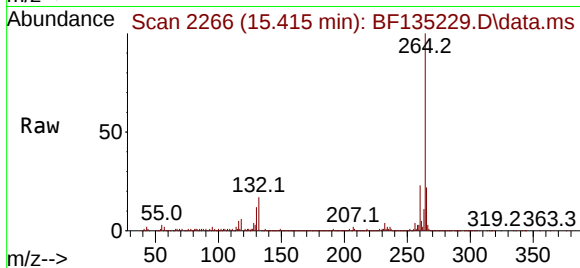
Tgt Ion:264 Resp: 297770

Ion Ratio Lower Upper

264 100

260 23.2 19.8 29.6

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.197 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

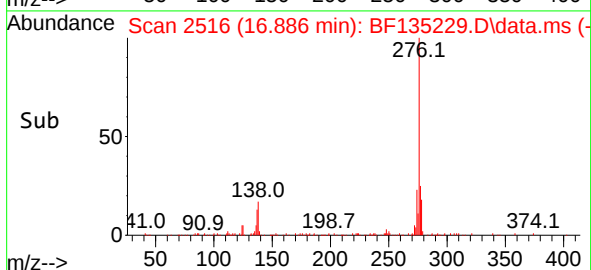
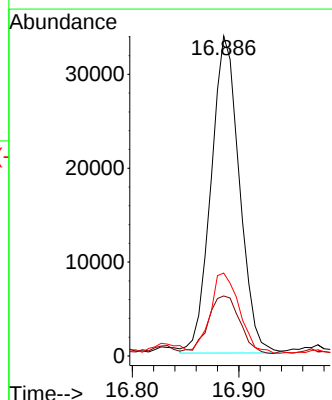
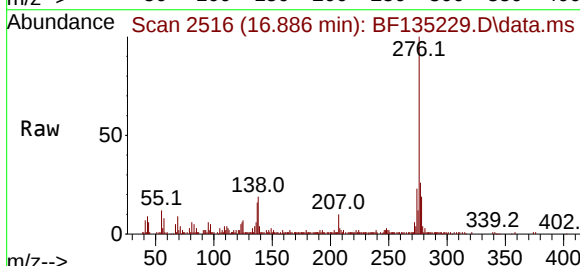
Tgt Ion:276 Resp: 62427

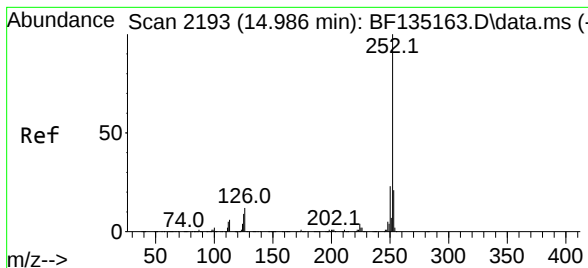
Ion Ratio Lower Upper

276 100

138 20.5 19.2 28.8

277 26.0 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 11.981 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

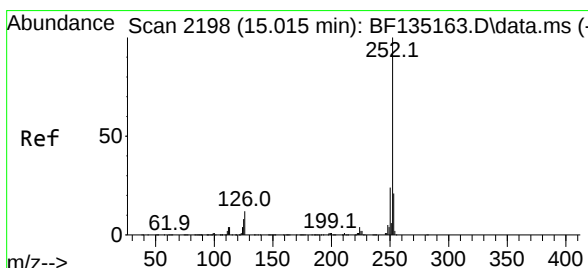
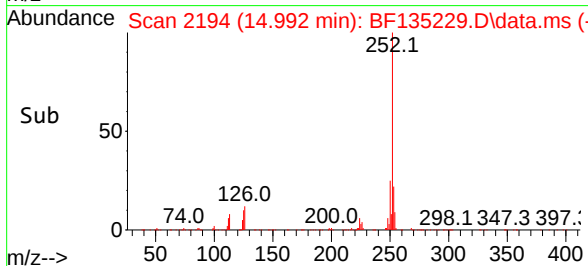
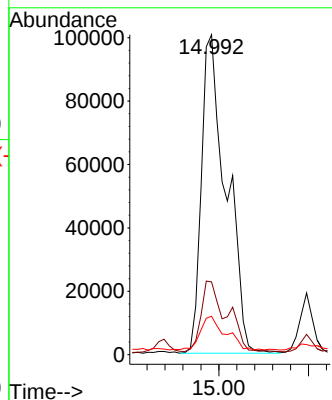
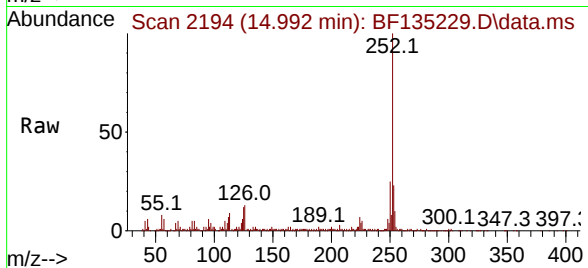
Tgt Ion:252 Resp: 193129

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 12.0 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 12.129 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.023 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

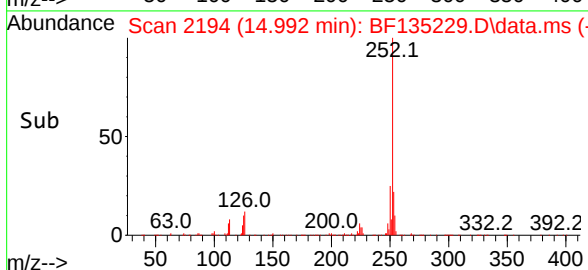
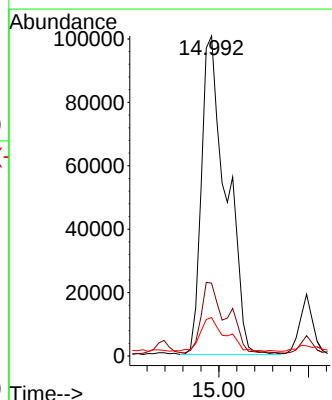
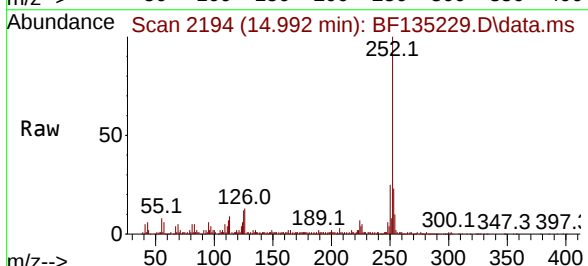
Tgt Ion:252 Resp: 193129

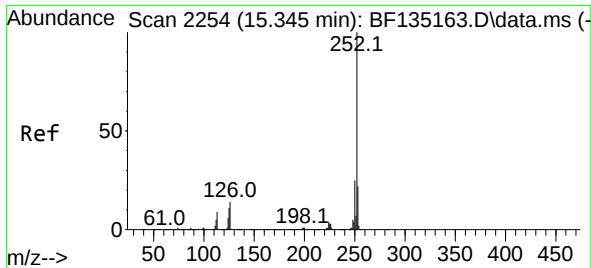
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 12.0 7.2 10.8#

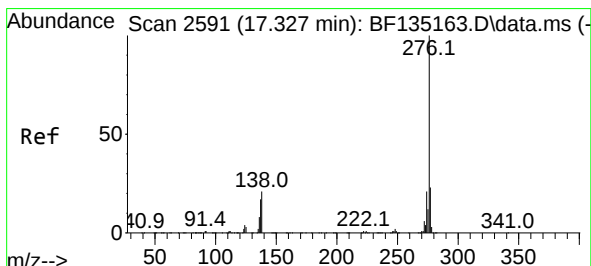
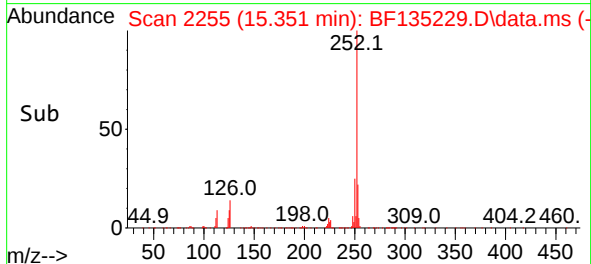
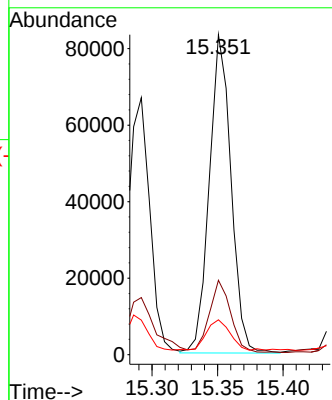
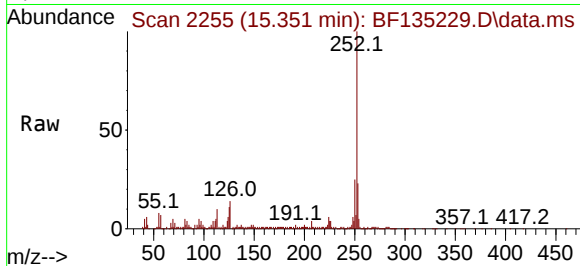




#90
Benzo(a)pyrene
Concen: 6.245 ng
RT: 15.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:252 Resp: 96002
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.9 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 3.639 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Tgt Ion:276 Resp: 60703
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 18.6 16.9 25.3

