

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129647.D
 Acq On : 08 Aug 2022 23:57
 Operator : CG\JU
 Sample : N4089-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Quant Time: Aug 09 00:38:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

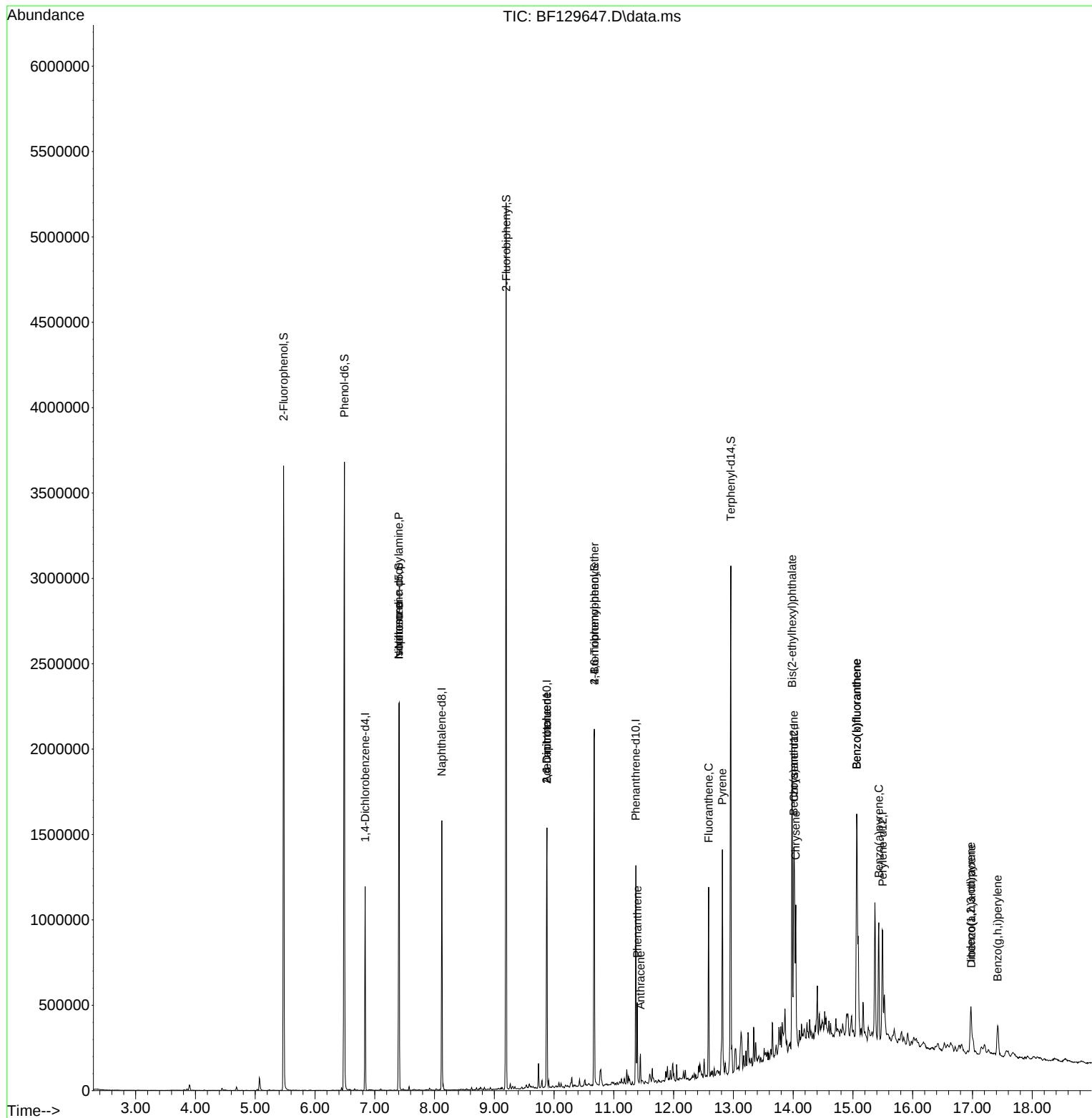
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	156974	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	612575	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	301824	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	417177	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	280128	20.000	ng	-0.01
86) Perylene-d12	15.498	264	296354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	988059	102.536	ng	0.00
7) Phenol-d6	6.492	99	1235551	102.009	ng	-0.01
23) Nitrobenzene-d5	7.404	82	798043	71.116	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	248535	85.648	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1437275	73.665	ng	-0.01
79) Terphenyl-d14	12.957	244	976110	65.738	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	106305	14.498	ng	# 74
25) Isophorone	7.404	82	795211	39.533	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	39743	8.522	ng	# 26
57) 2,4-Dinitrotoluene	9.880	165	39743	6.524	ng	# 21
67) 4-Bromophenyl-phenylether	10.675	248	15444	3.381	ng	# 1
71) Phenanthrene	11.392	178	151967	6.673	ng	98
72) Anthracene	11.445	178	65977	2.948	ng	97
75) Fluoranthene	12.586	202	386871	16.767	ng	99
78) Pyrene	12.816	202	472928	20.189	ng	97
81) Benzo(a)anthracene	14.010	228	331137	17.305	ng	96
83) Chrysene	14.045	228	372598	20.660	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	480059	35.888	ng	100
87) Indeno(1,2,3-cd)pyrene	16.974	276	164778	8.257	ng	94
88) Benzo(b)fluoranthene	15.062	252	869007	44.206	ng	# 97
89) Benzo(k)fluoranthene	15.062	252	869007	45.110	ng	98
90) Benzo(a)pyrene	15.433	252	315808	19.790	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	48848	3.007	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	138153	8.324	ng	98

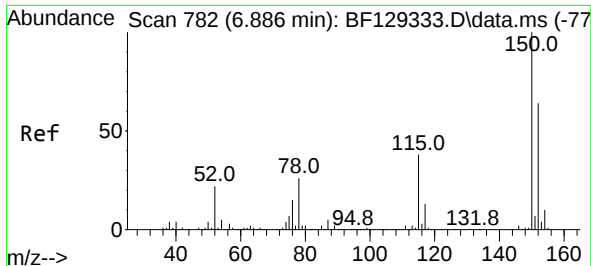
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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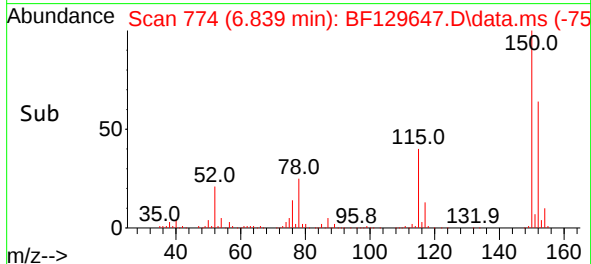
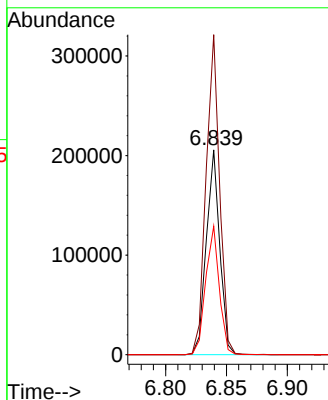
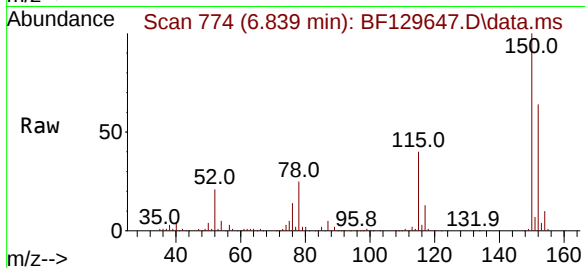




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.839 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57

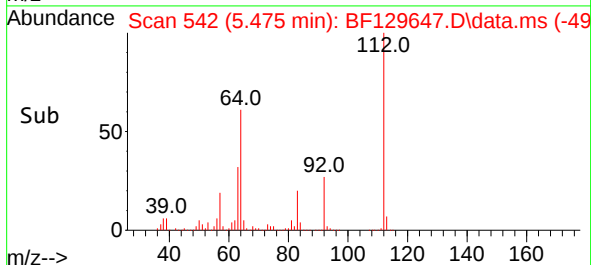
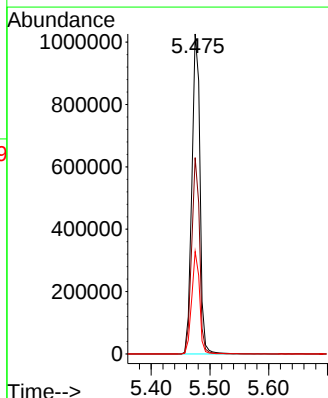
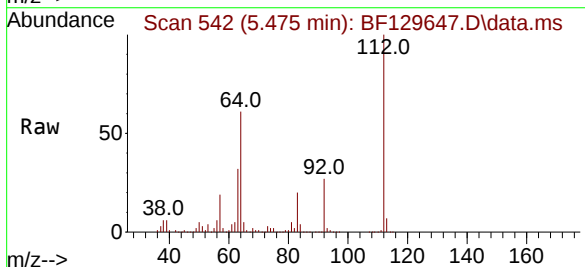
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Tgt Ion:152 Resp: 156974
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.7 185.5
 115 62.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 102.536 ng
 RT: 5.475 min Scan# 542
 Delta R.T. -0.006 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57

Tgt Ion:112 Resp: 988059
 Ion Ratio Lower Upper
 112 100
 64 61.3 53.3 79.9
 63 32.0 28.0 42.0

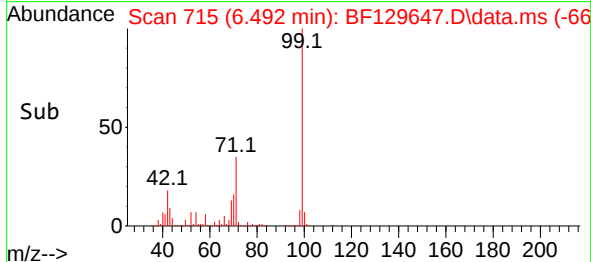
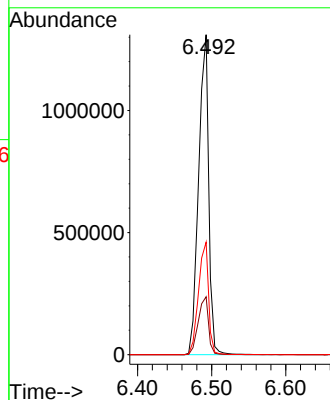
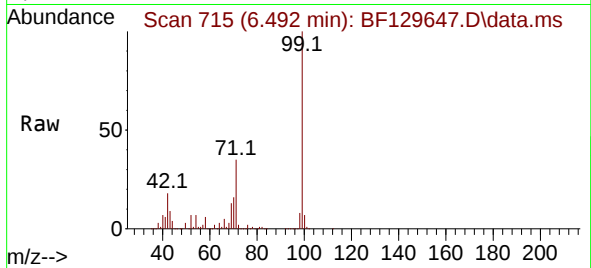




#7
Phenol-d6
Concen: 102.009 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

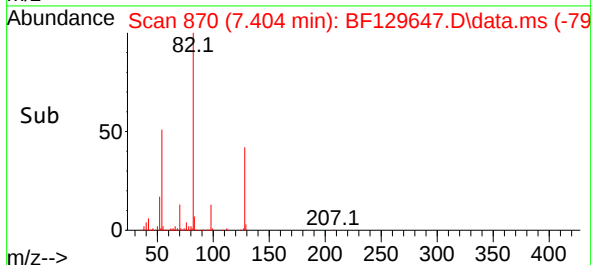
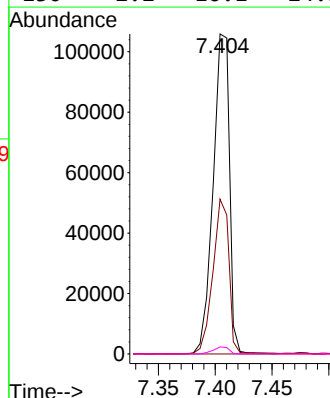
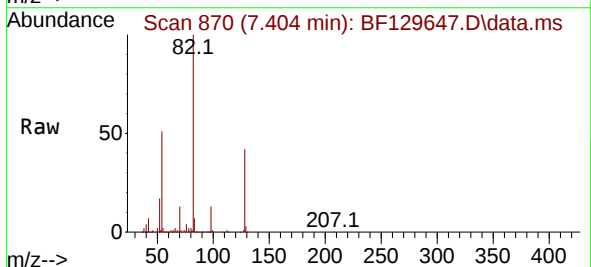
Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 99 Resp: 1235551
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 35.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.498 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion: 70 Resp: 106305
Ion Ratio Lower Upper
70 100
42 48.3 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



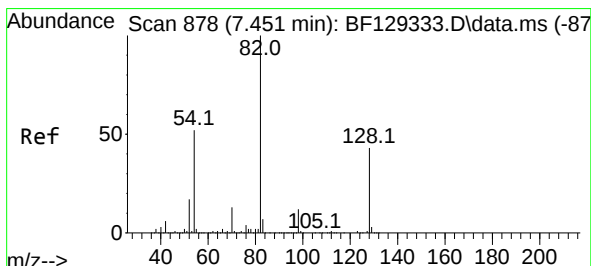
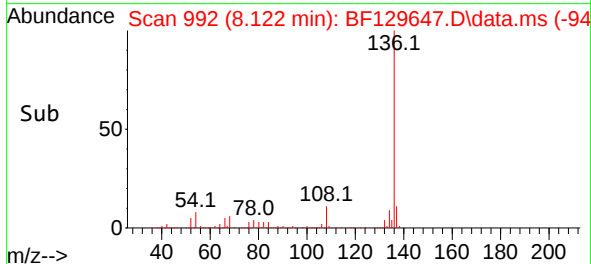
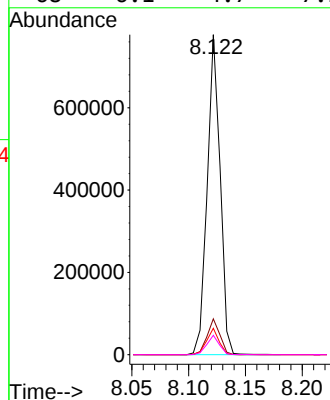
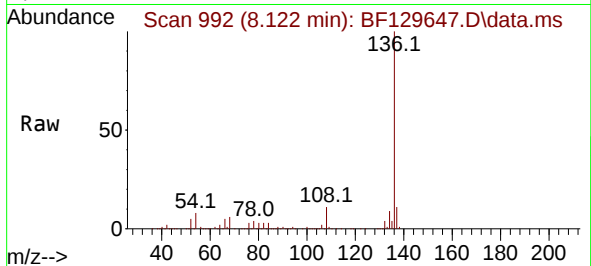


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:136 Resp: 612575

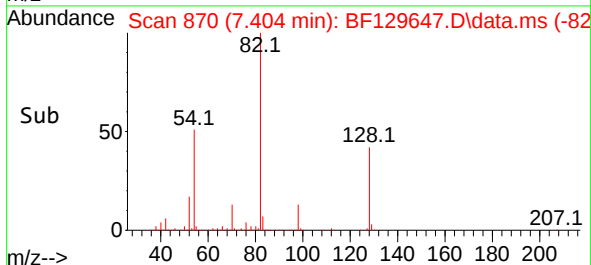
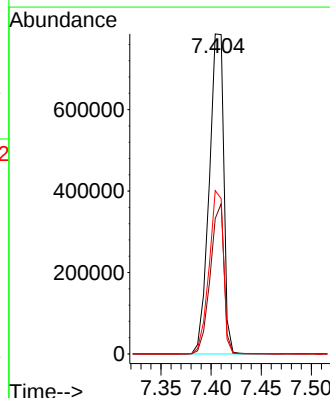
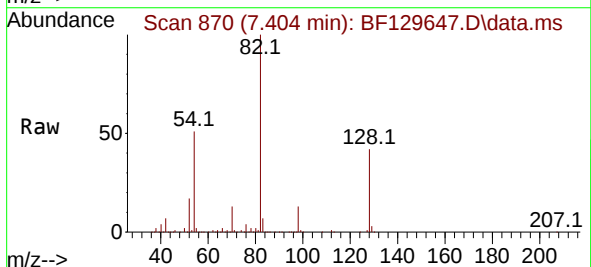
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.2	7.5	11.3
68	6.1	4.7	7.1

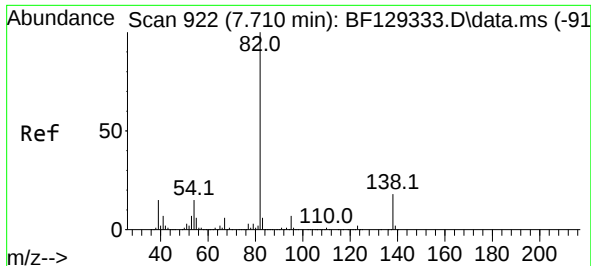


#23
Nitrobenzene-d5
Concen: 71.116 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion: 82 Resp: 798043

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.0	51.0
54	51.1	46.9	70.3

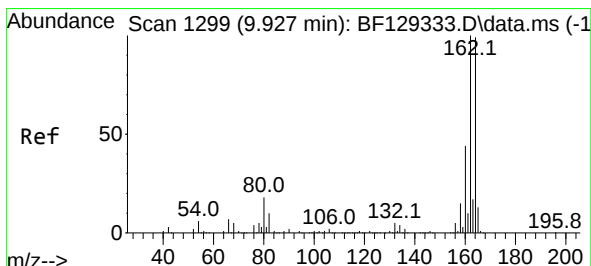
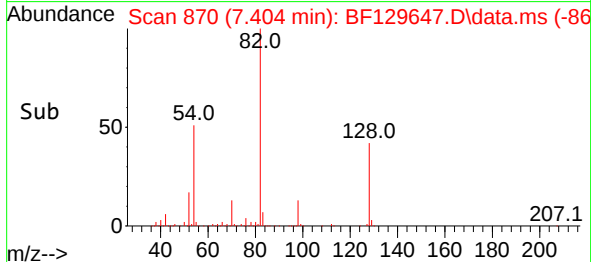
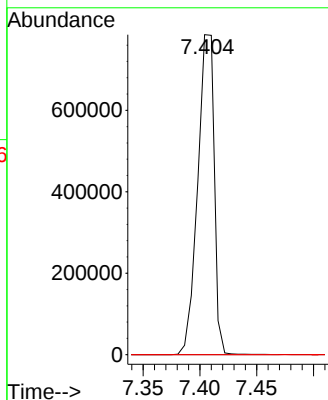
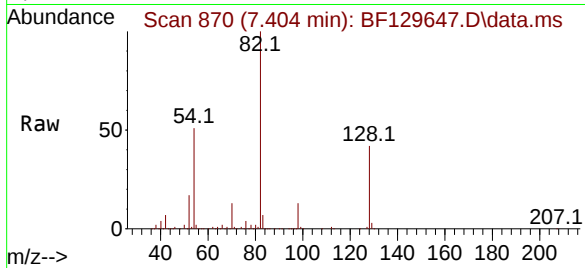




#25
Isophorone
Concen: 39.533 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

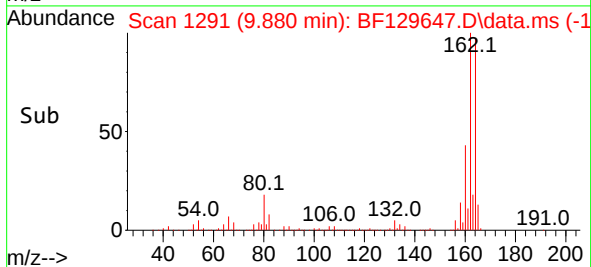
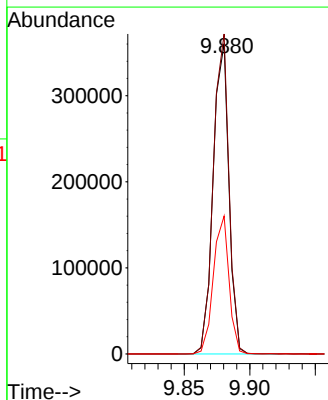
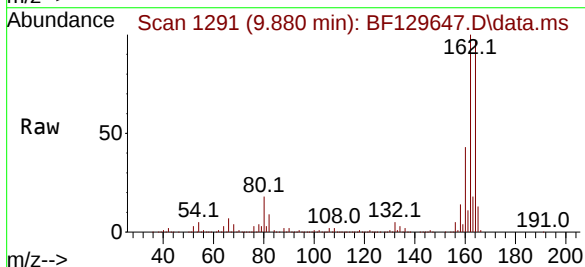
Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 82 Resp: 795211
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion: 164 Resp: 301824
Ion Ratio Lower Upper
164 100
162 103.1 79.5 119.3
160 44.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 85.648 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-228

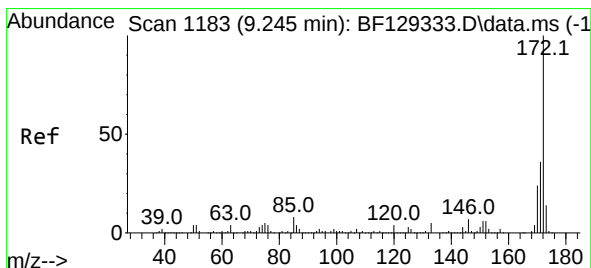
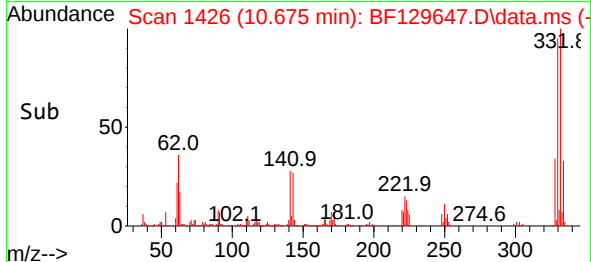
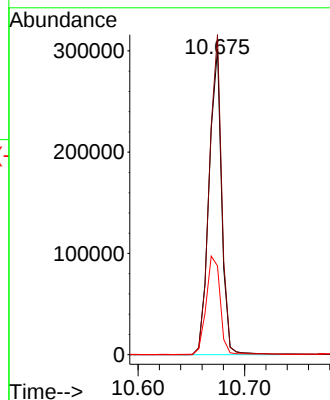
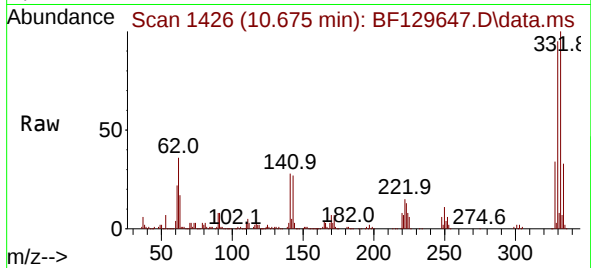
Tgt Ion:330 Resp: 248535

Ion Ratio Lower Upper

330 100

332 103.9 76.8 115.2

141 35.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 73.665 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

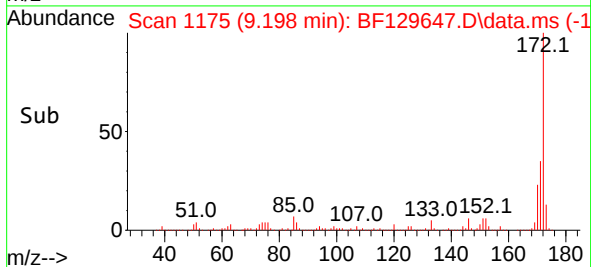
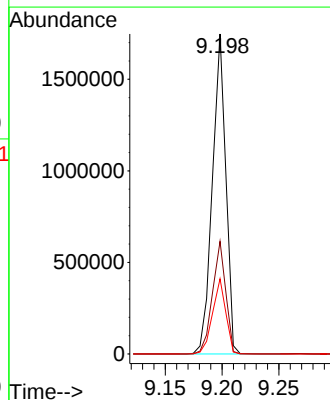
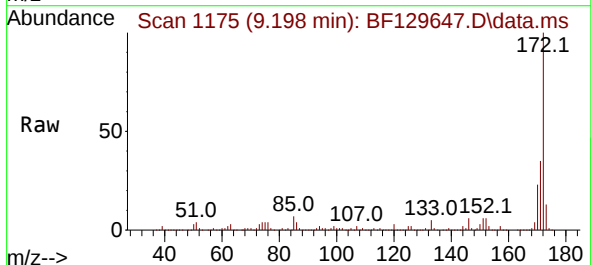
Tgt Ion:172 Resp: 1437275

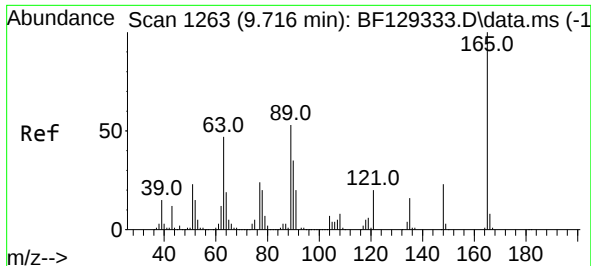
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.5 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.522 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-228

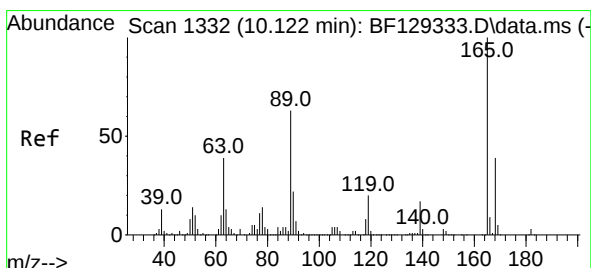
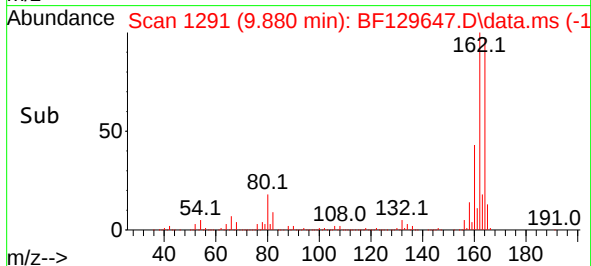
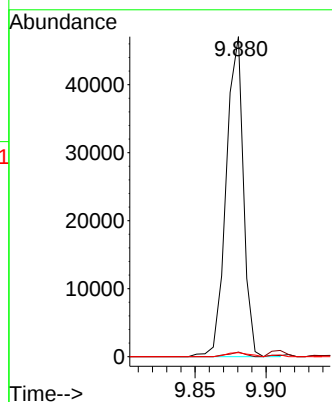
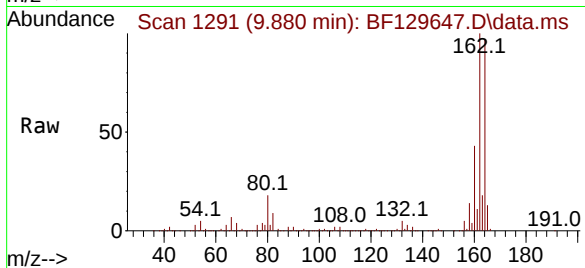
Tgt Ion:165 Resp: 39743

Ion Ratio Lower Upper

165 100

63 1.5 44.9 67.3#

89 1.3 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.524 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

Tgt Ion:165 Resp: 39743

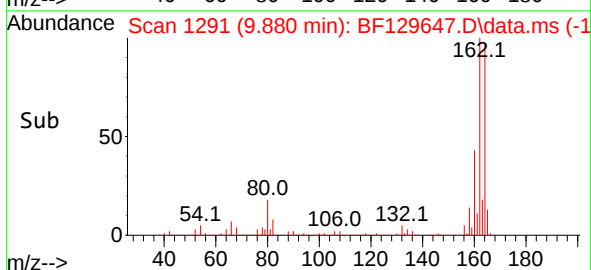
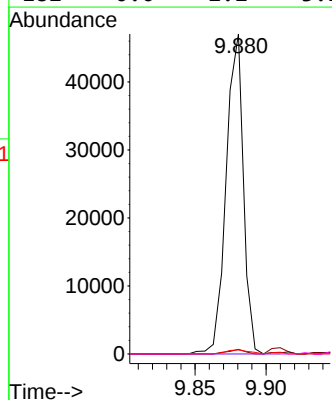
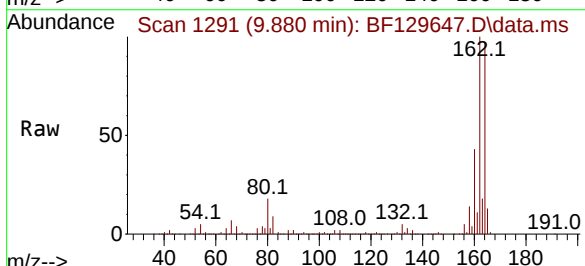
Ion Ratio Lower Upper

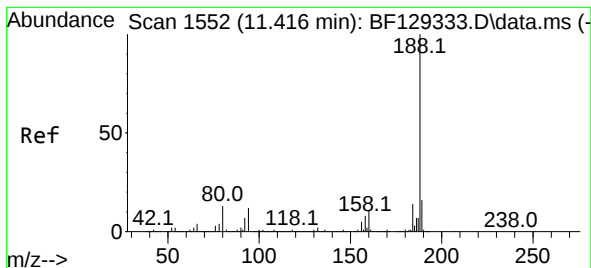
165 100

63 1.5 39.8 59.6#

89 1.3 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

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ClientSampleId :

VNJ-228

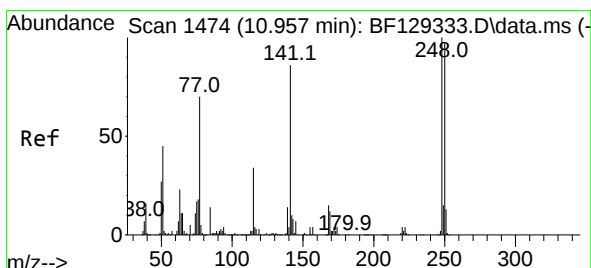
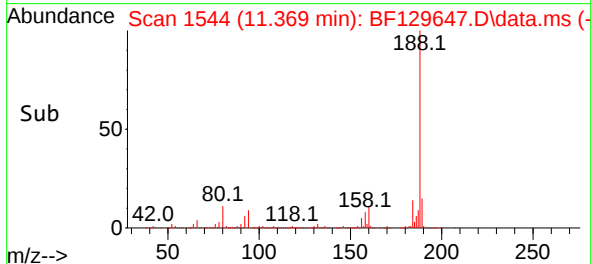
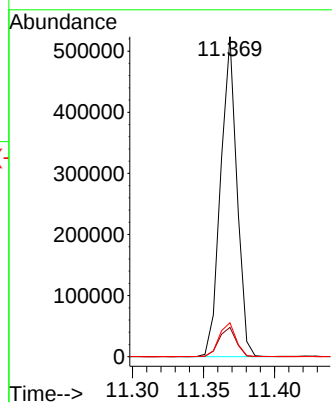
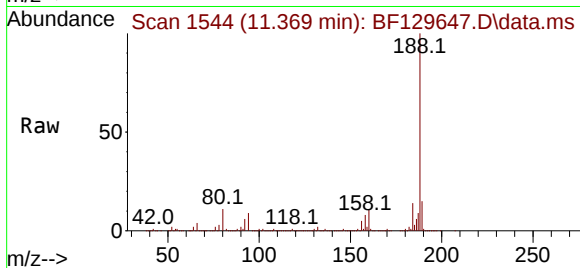
Tgt Ion:188 Resp: 417177

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

80 10.6 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.381 ng

RT: 10.675 min Scan# 1426

Delta R.T. -0.247 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

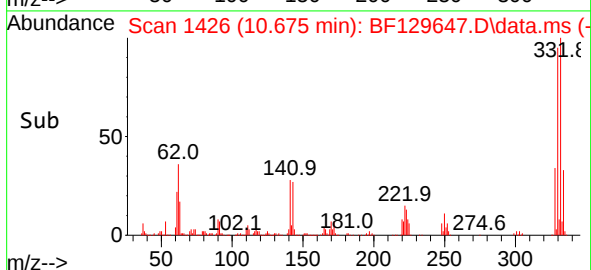
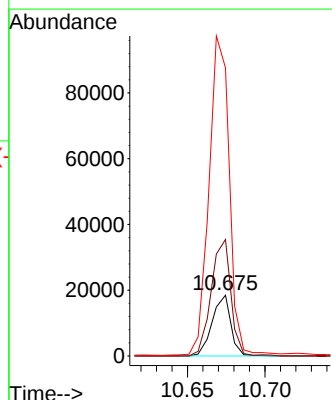
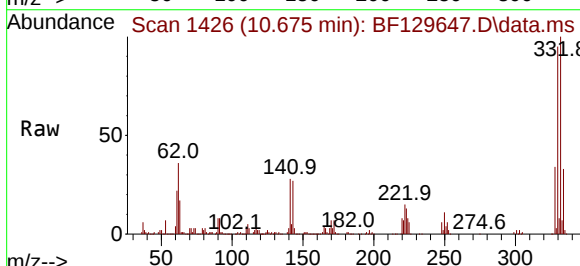
Tgt Ion:248 Resp: 15444

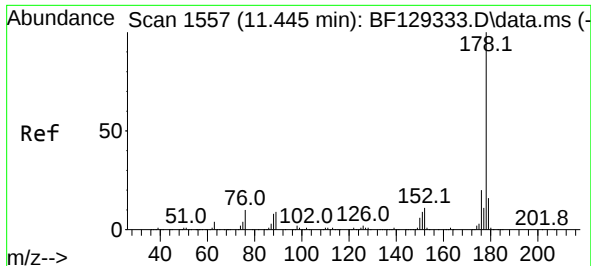
Ion Ratio Lower Upper

248 100

250 191.6 80.6 120.8#

141 473.7 58.9 88.3#

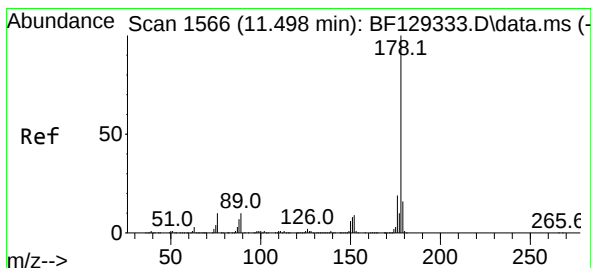
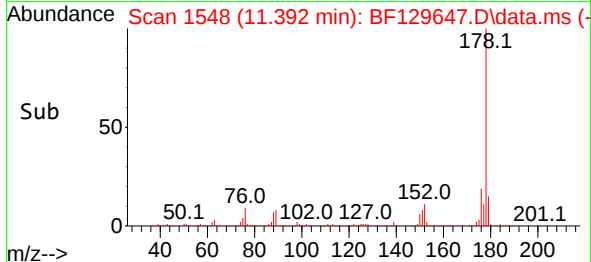
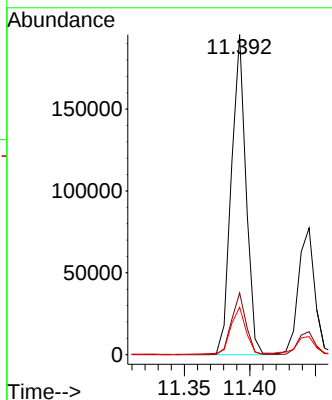
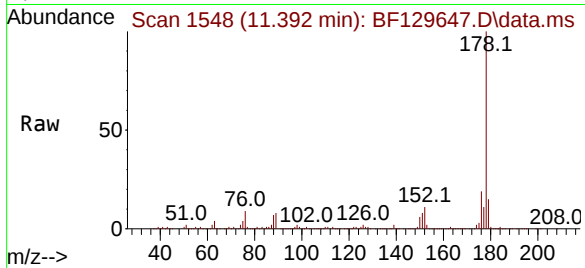




#71
Phenanthrene
Concen: 6.673 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

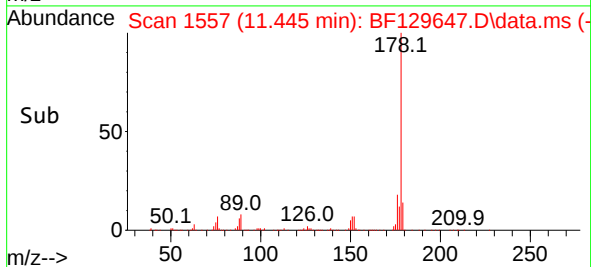
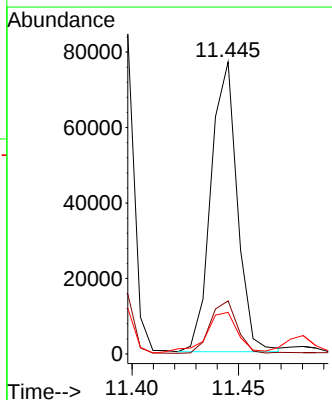
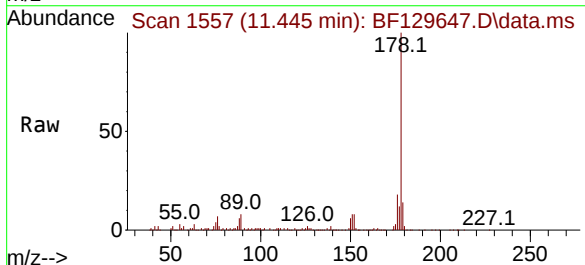
Instrument :
BNA_F
ClientSampleId :
VNJ-228

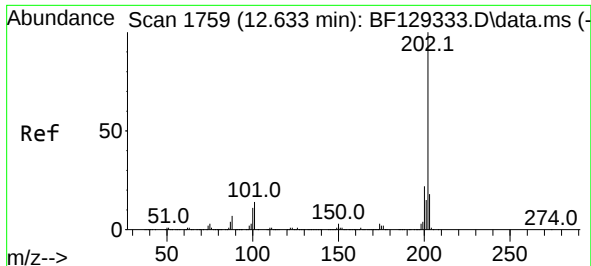
Tgt Ion:178 Resp: 151967
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 14.9 12.6 19.0



#72
Anthracene
Concen: 2.948 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.018 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:178 Resp: 65977
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.2 12.6 19.0

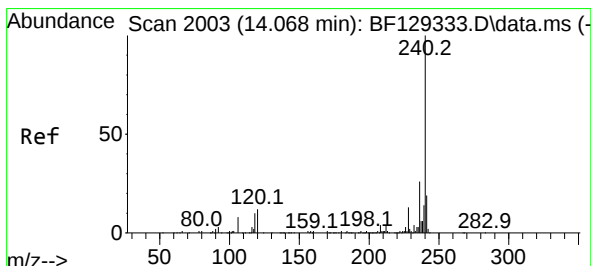
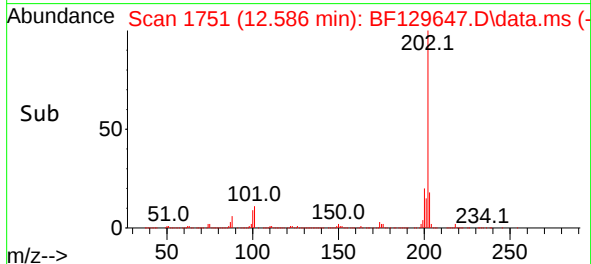
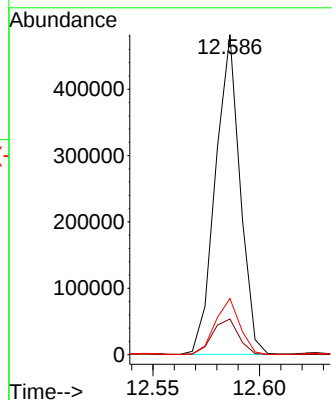
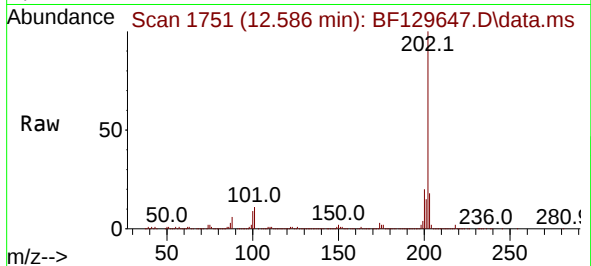




#75
Fluoranthene
Concen: 16.767 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

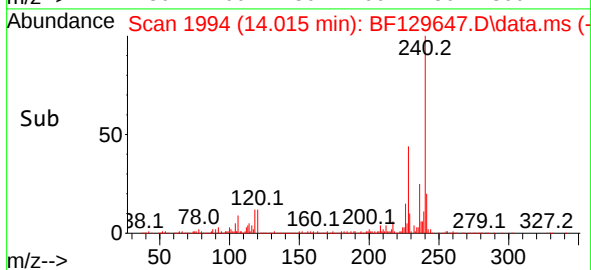
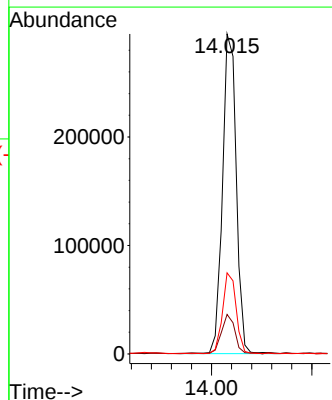
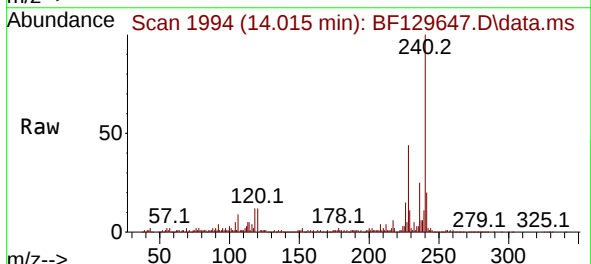
Instrument :
BNA_F
ClientSampleId :
VNJ-228

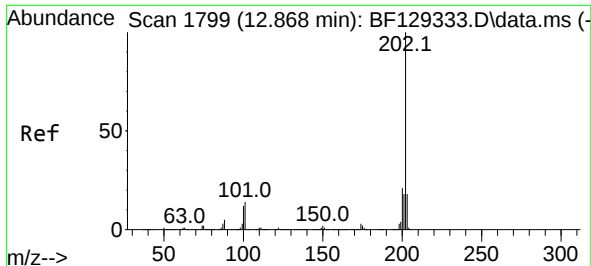
Tgt Ion:202 Resp: 386871
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:240 Resp: 280128
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 25.3 20.8 31.2

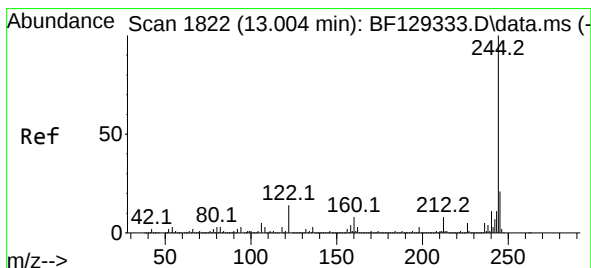
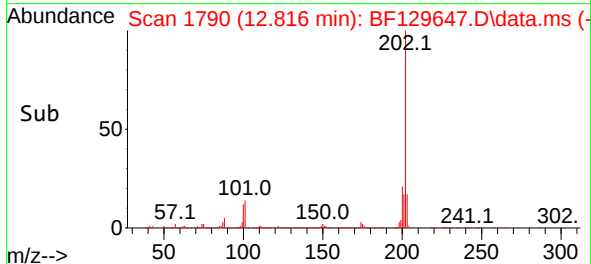
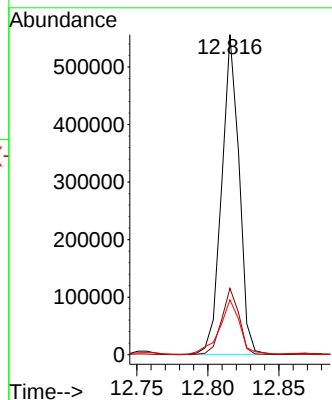
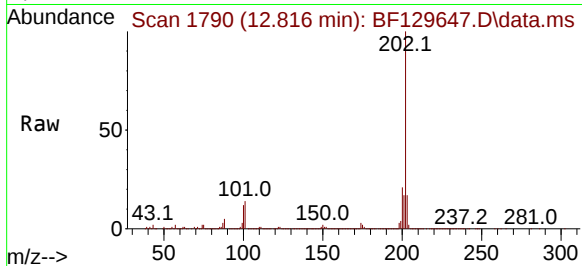




#78
Pyrene
Concen: 20.189 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

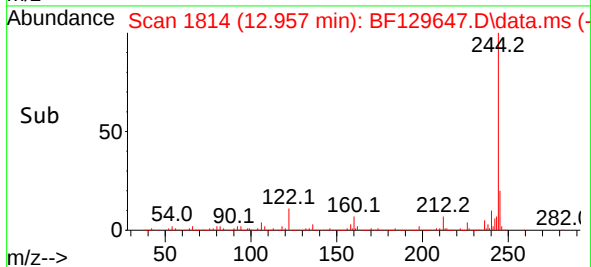
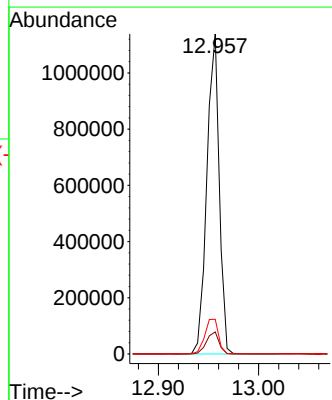
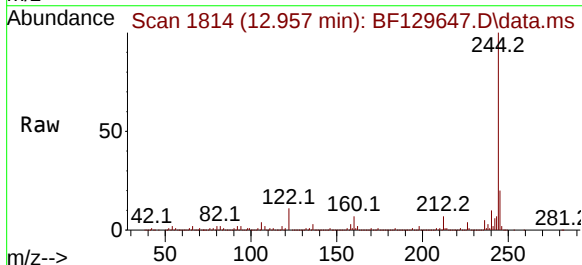
Instrument :
BNA_F
ClientSampleId :
VNJ-228

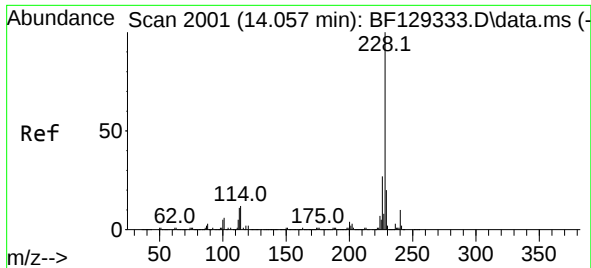
Tgt Ion:202 Resp: 472928
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.2 14.6 21.8



#79
Terphenyl-d14
Concen: 65.738 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:244 Resp: 976110
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 10.8 8.8 13.2

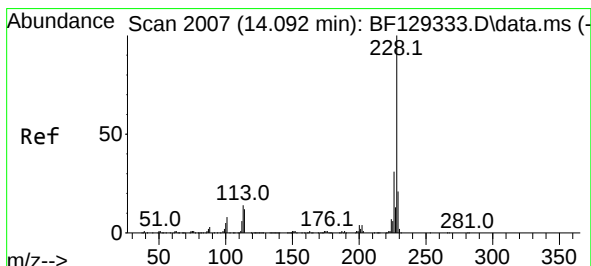
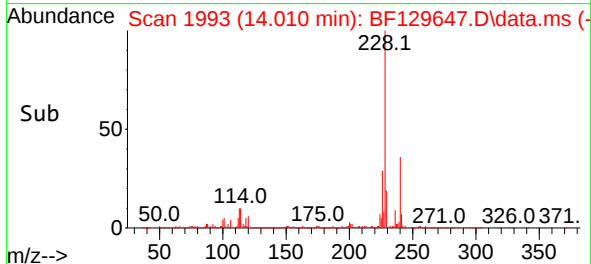
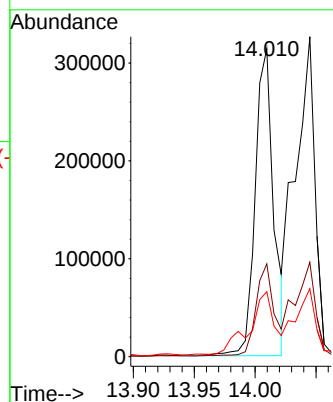
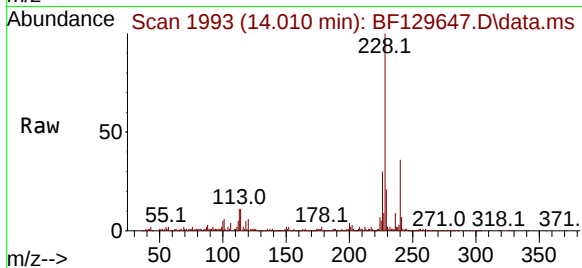




#81
Benzo(a)anthracene
Concen: 17.305 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

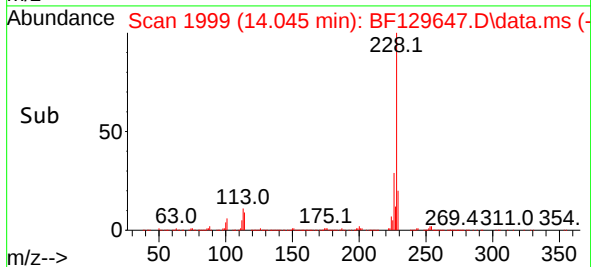
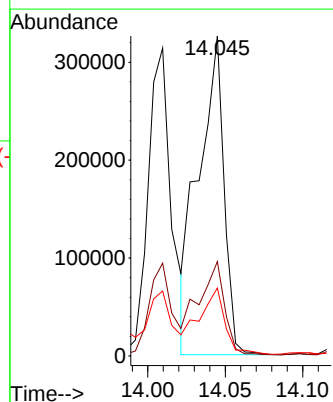
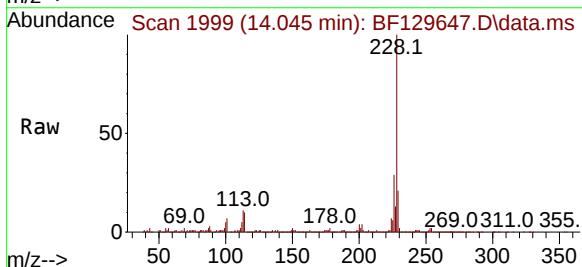
Instrument :
BNA_F
ClientSampleId :
VNJ-228

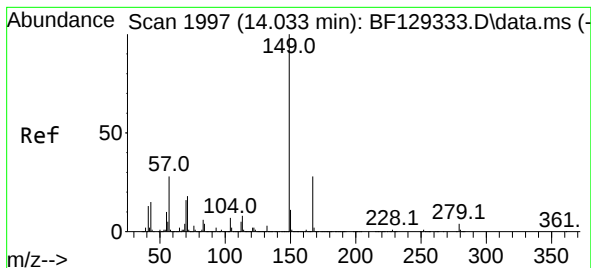
Tgt Ion:228 Resp: 331137
Ion Ratio Lower Upper
228 100
226 30.2 22.1 33.1
229 21.1 15.8 23.8



#83
Chrysene
Concen: 20.660 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:228 Resp: 372598
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 21.3 15.9 23.9

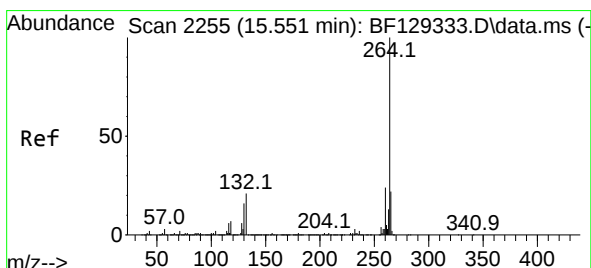
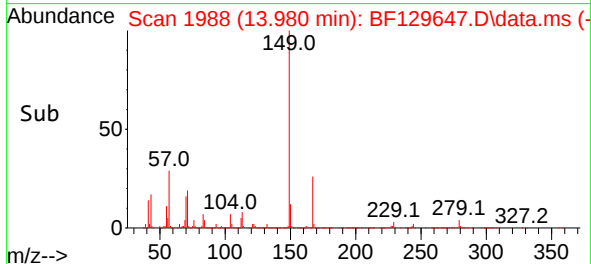
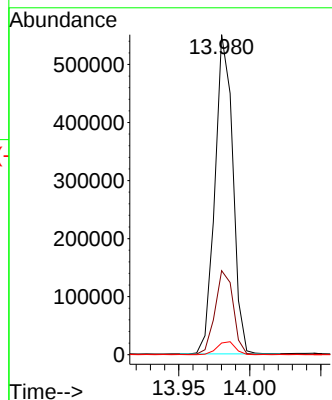
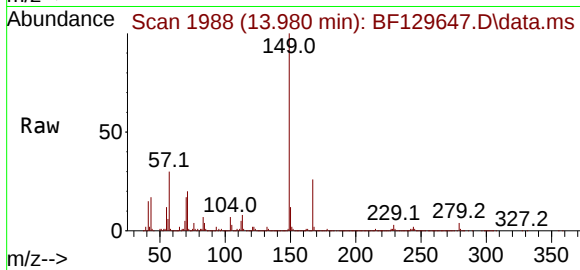




#84
Bis(2-ethylhexyl)phthalate
Concen: 35.888 ng
RT: 13.980 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

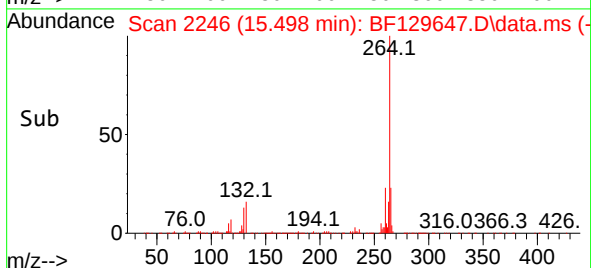
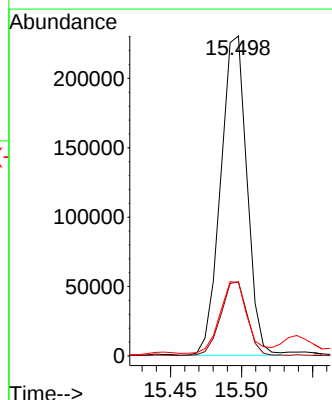
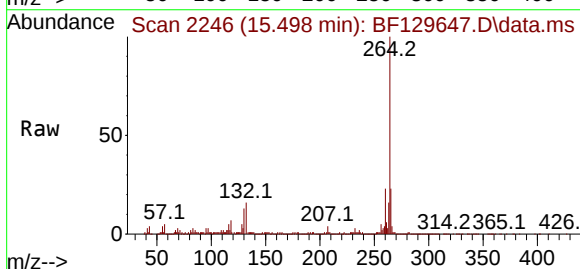
Instrument :
BNA_F
ClientSampleId :
VNJ-228

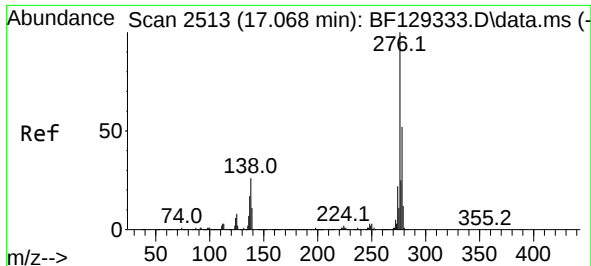
Tgt Ion:149 Resp: 480059
Ion Ratio Lower Upper
149 100
167 26.3 21.0 31.4
279 3.7 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2246
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:264 Resp: 296354
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 23.0 17.2 25.8

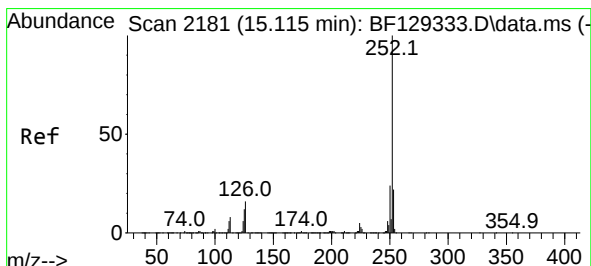
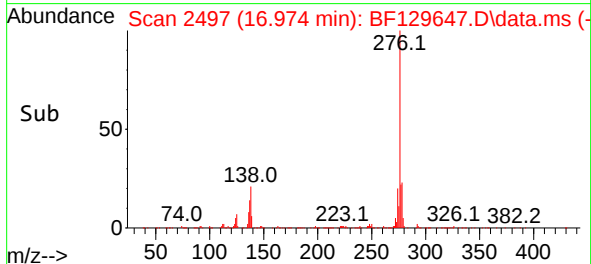
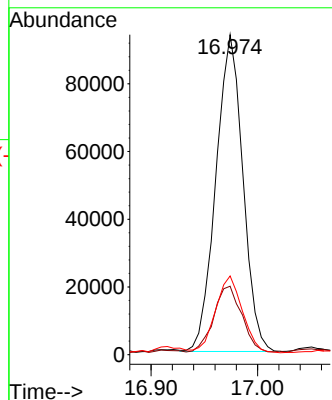
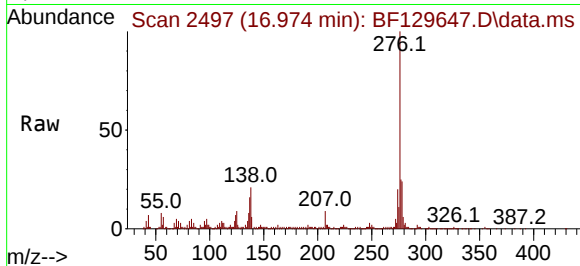




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.257 ng
RT: 16.974 min Scan# 2497
Delta R.T. -0.024 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

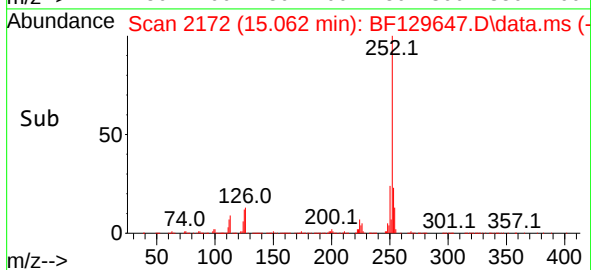
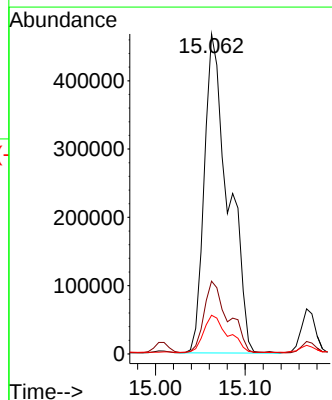
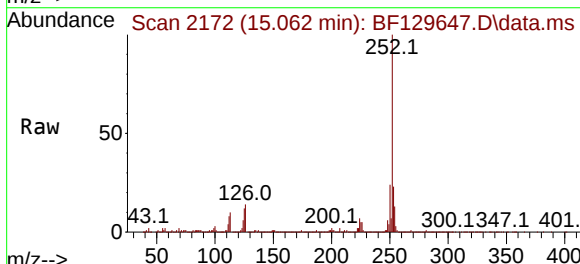
Instrument :
BNA_F
ClientSampleId :
VNJ-228

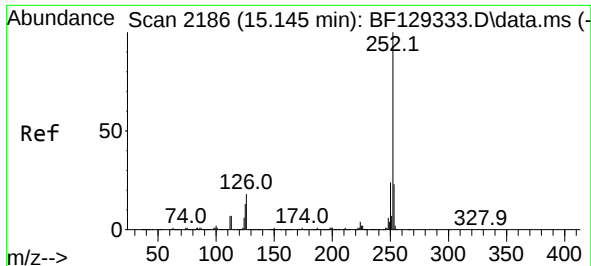
Tgt Ion:276 Resp: 164778
Ion Ratio Lower Upper
276 100
138 21.5 21.1 31.7
277 24.1 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 44.206 ng
RT: 15.062 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:252 Resp: 869007
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.1 8.0 12.0#

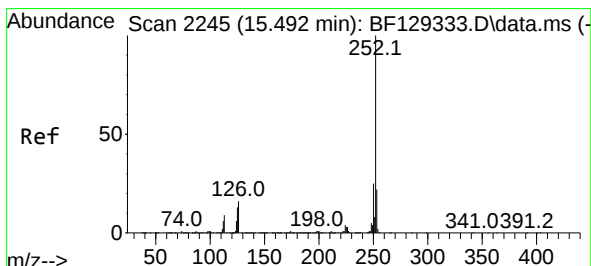
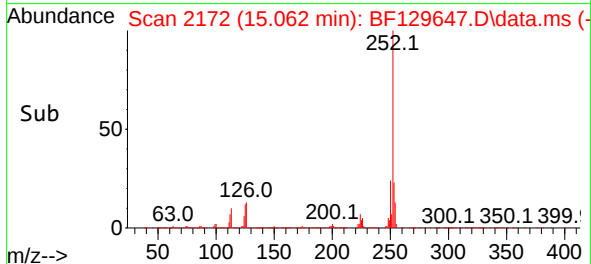
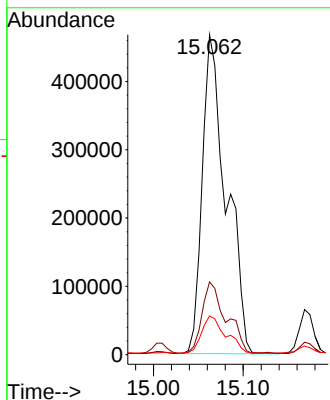
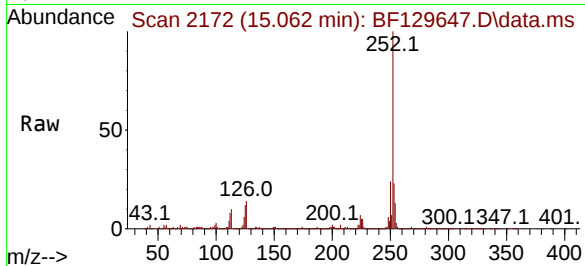




#89
Benzo(k)fluoranthene
Concen: 45.110 ng
RT: 15.062 min Scan# 2186
Delta R.T. -0.041 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

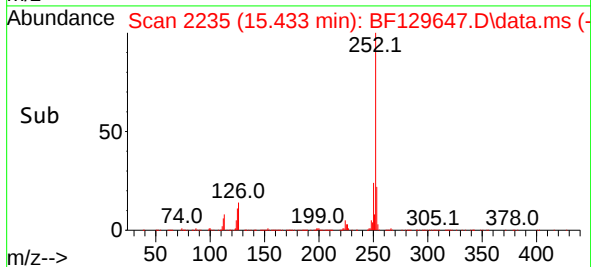
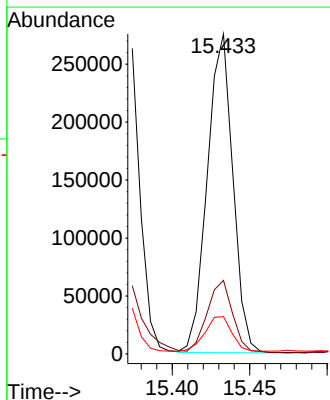
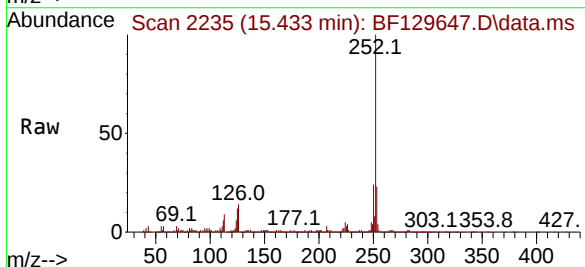
Instrument :
BNA_F
ClientSampleId :
VNJ-228

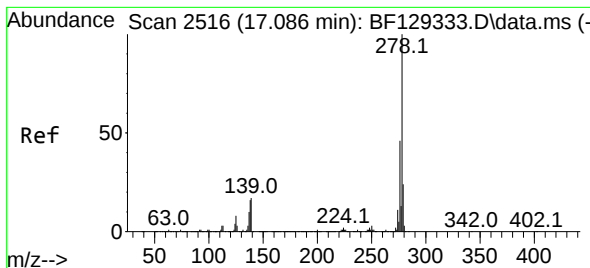
Tgt Ion:252 Resp: 869007
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 19.790 ng
RT: 15.433 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Tgt Ion:252 Resp: 315808
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.007 ng

RT: 16.980 min Scan# 2498

Delta R.T. -0.029 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-228

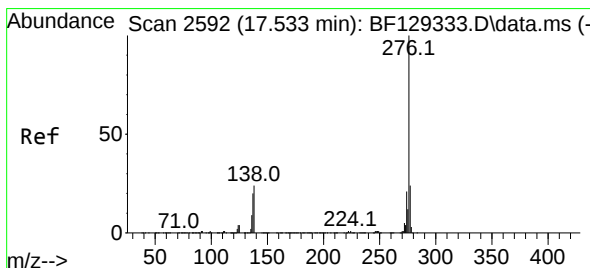
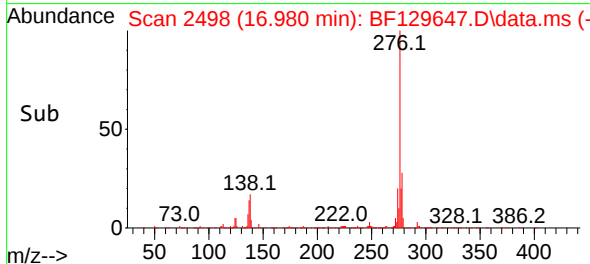
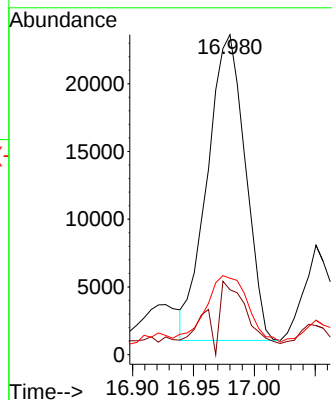
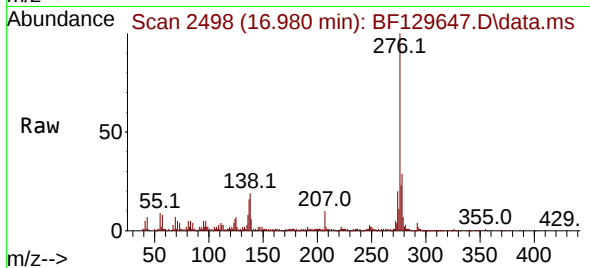
Tgt Ion:278 Resp: 48848

Ion Ratio Lower Upper

278 100

139 20.3 12.8 19.2#

279 23.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 8.324 ng

RT: 17.421 min Scan# 2573

Delta R.T. -0.029 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

Tgt Ion:276 Resp: 138153

Ion Ratio Lower Upper

276 100

277 25.6 19.1 28.7

138 22.3 18.0 27.0

