

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
 Data File : BF134693.D
 Acq On : 09 Aug 2023 16:50
 Operator : CG\JU
 Sample : 03930-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Quant Time: Aug 10 01:41:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

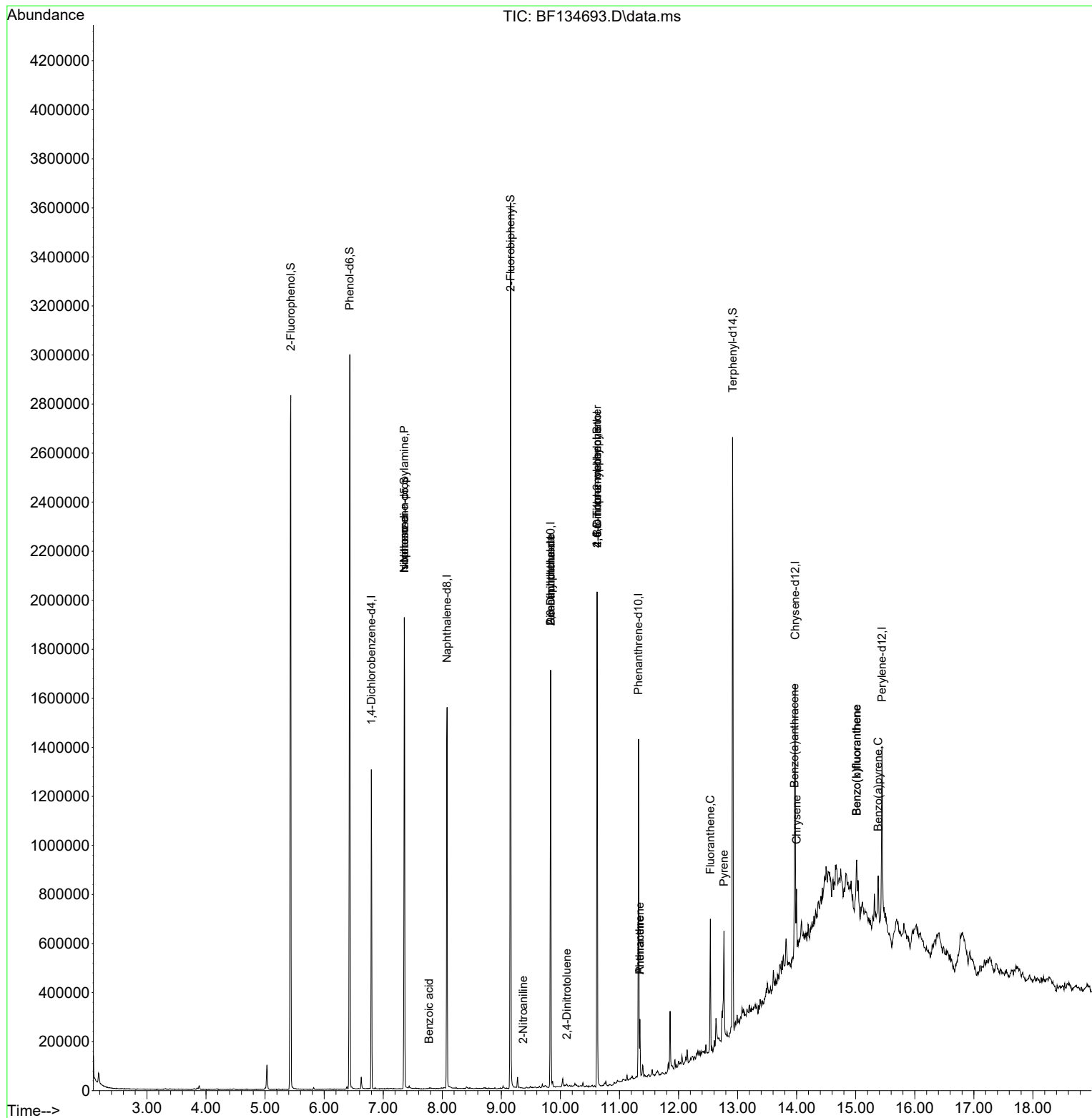
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	172258	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	668650	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	314734	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	477268	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	356760	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	333697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	798127	70.431	ng	0.00
7) Phenol-d6	6.434	99	993930	68.614	ng	0.00
23) Nitrobenzene-d5	7.357	82	588810	55.031	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	228874	71.336	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1062888	56.151	ng	0.00
79) Terphenyl-d14	12.916	244	840788	41.546	ng	0.00
Target Compounds						
9) Benzaldehyde	6.357	77	197	Below Cal		Qvalue # 64
19) n-Nitroso-di-n-propyla...	7.357	70	79252	9.138	ng	# 76
25) Isophorone	7.357	82	581832	24.932	ng	# 65
32) Benzoic acid	7.775	122	311	7.905	ng	# 73
48) 2-Nitroaniline	9.369	65	146	3.190	ng	# 8
50) Dimethylphthalate	9.834	163	67131	3.129	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	42093	11.575	ng	# 17
57) 2,4-Dinitrotoluene	10.110	165	1592	3.133	ng	# 32
65) 4,6-Dinitro-2-methylph...	10.622	198	537	8.927	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	14675	2.809	ng	# 1
71) Phenanthrene	11.345	178	75239	2.968	ng	98
72) Anthracene	11.345	178	75239	2.906	ng	99
75) Fluoranthene	12.539	202	195269	7.292	ng	96
78) Pyrene	12.769	202	162476	5.263	ng	97
81) Benzo(a)anthracene	13.963	228	78982	3.096	ng	98
83) Chrysene	13.998	228	101240	4.073	ng	98
88) Benzo(b)fluoranthene	15.016	252	167985	8.254	ng	# 87
89) Benzo(k)fluoranthene	15.016	252	167985	8.286	ng	# 88
90) Benzo(a)pyrene	15.380	252	66418	3.500	ng	# 83

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

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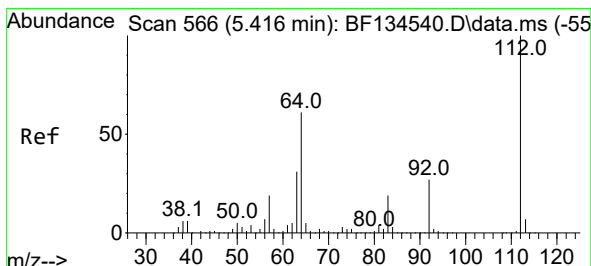
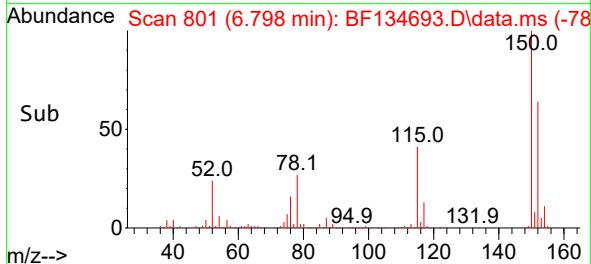
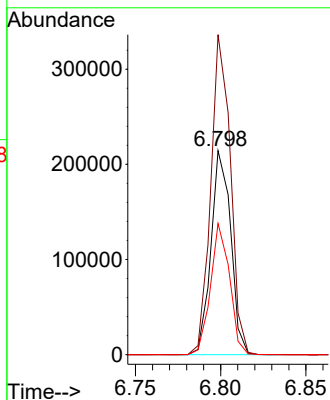
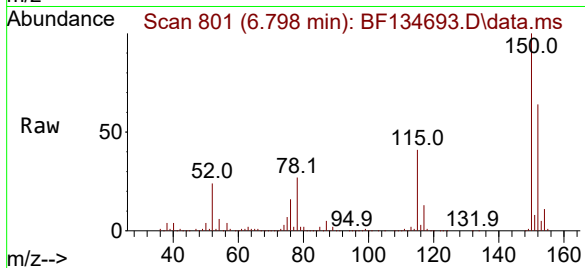




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

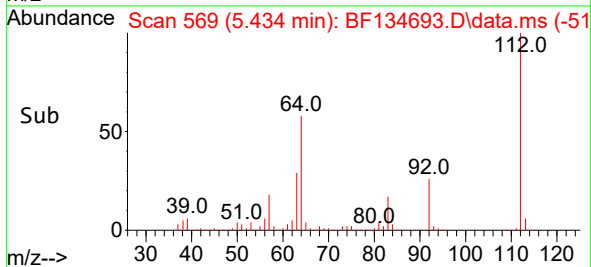
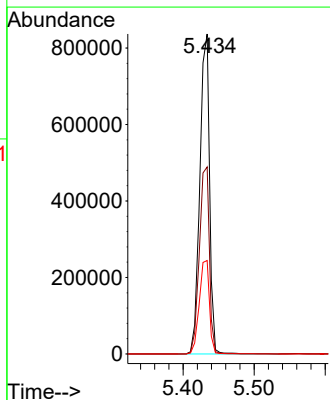
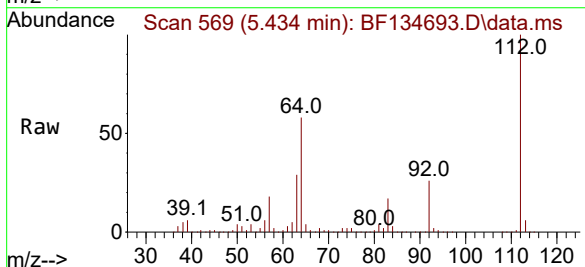
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion:152 Resp: 172258
Ion Ratio Lower Upper
152 100
150 156.9 128.3 192.5
115 64.3 52.4 78.6



#5
2-Fluorophenol
Concen: 70.431 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion:112 Resp: 798127
Ion Ratio Lower Upper
112 100
64 58.4 44.9 67.3
63 29.2 25.4 38.0

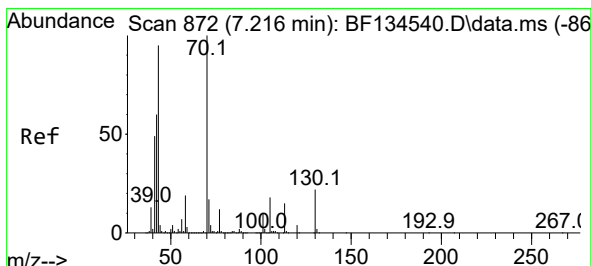
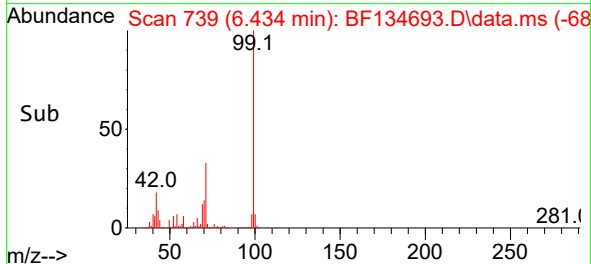
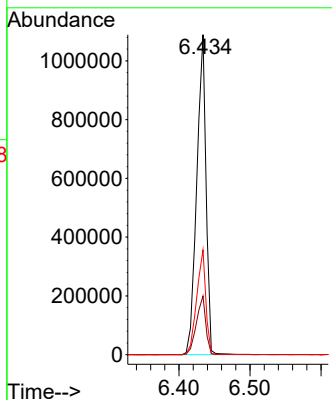
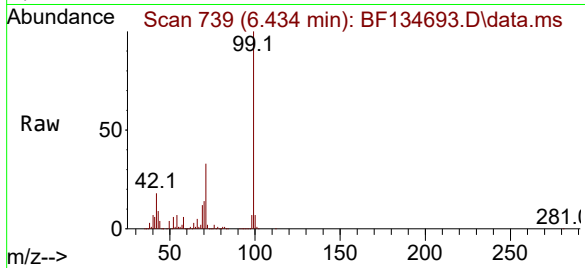




#7
Phenol-d6
Concen: 68.614 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

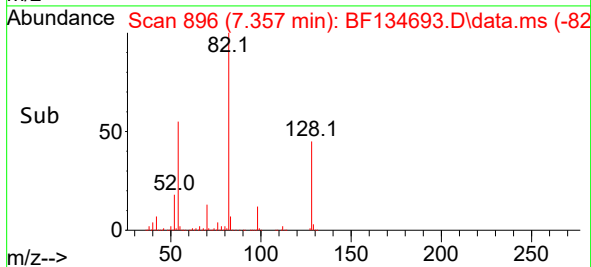
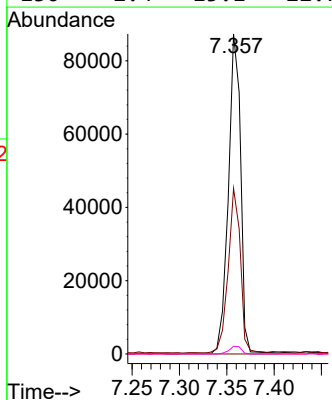
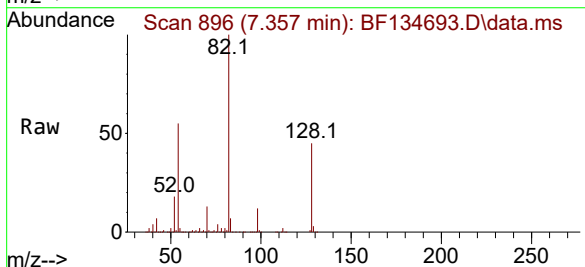
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion: 99 Resp: 993930
Ion Ratio Lower Upper
99 100
42 18.4 18.7 28.1#
71 32.8 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.138 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion: 70 Resp: 79252
Ion Ratio Lower Upper
70 100
42 51.8 54.7 82.1#
101 0.0 8.2 12.2#
130 2.4 15.1 22.7#

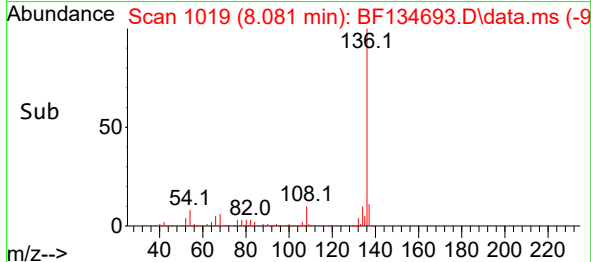
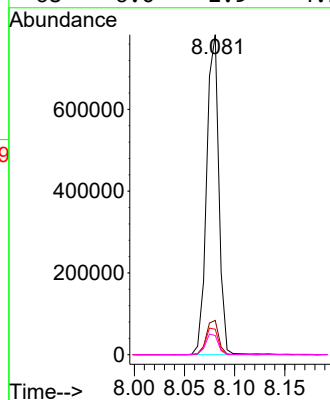
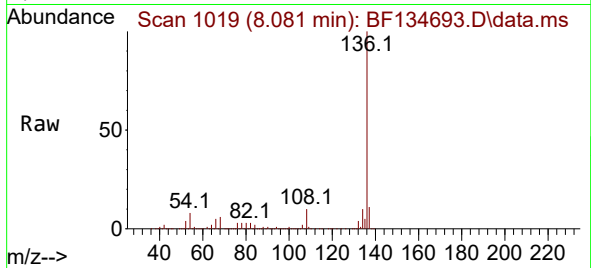




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

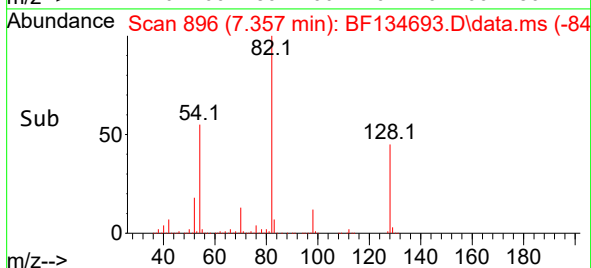
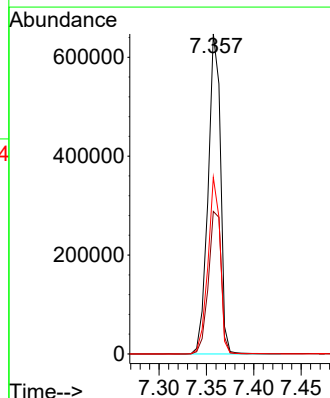
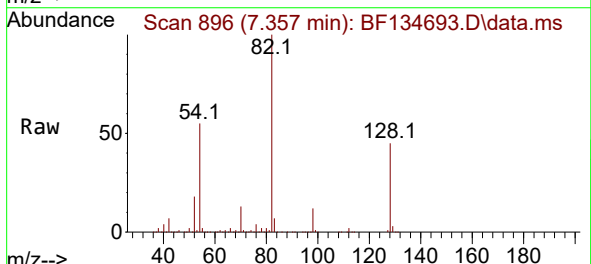
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion:136 Resp: 668650
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.0 5.2 7.8#
68 6.0 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 55.031 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion: 82 Resp: 588810
Ion Ratio Lower Upper
82 100
128 44.5 34.3 51.5
54 55.2 43.8 65.6

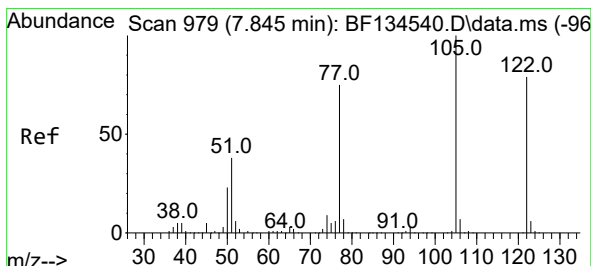
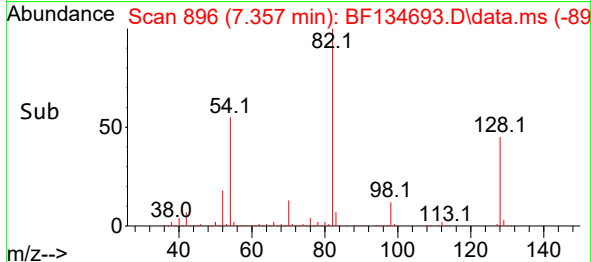
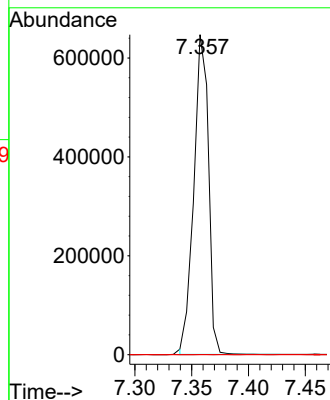
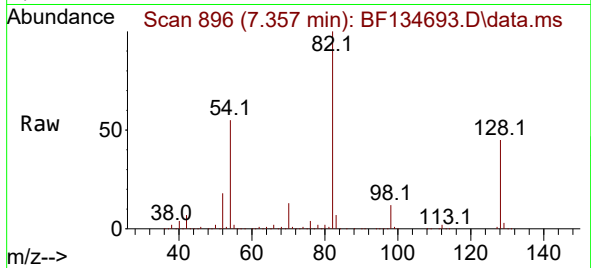




#25
Isophorone
Concen: 24.932 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

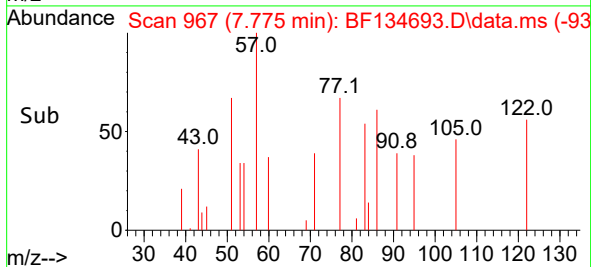
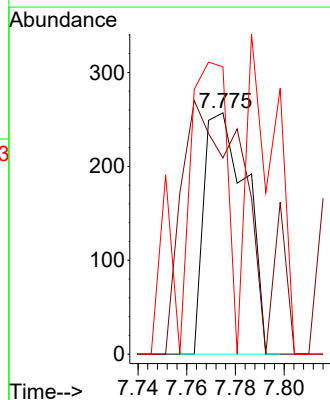
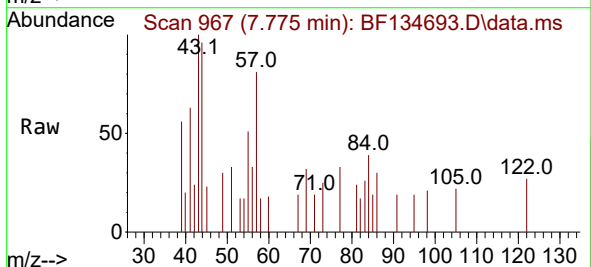
Instrument :
BNA_F
ClientSampleId :
VNJ-207

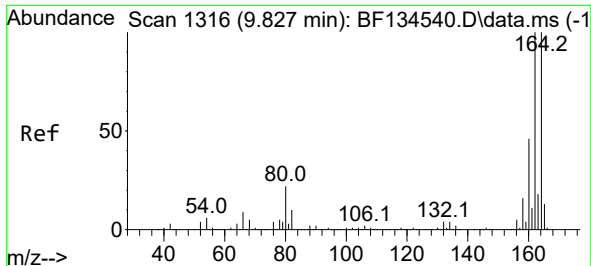
Tgt Ion: 82 Resp: 581832
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.905 ng
RT: 7.775 min Scan# 967
Delta R.T. -0.088 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion:122 Resp: 311
Ion Ratio Lower Upper
122 100
105 81.3 87.5 127.5#
77 119.1 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

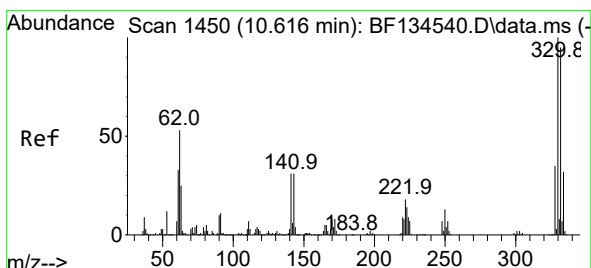
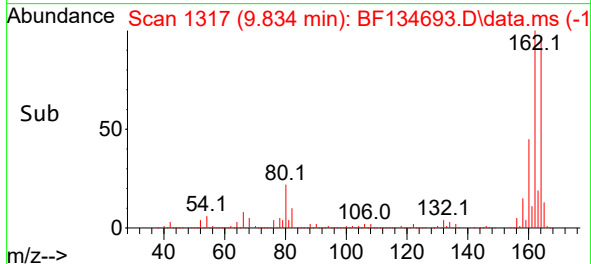
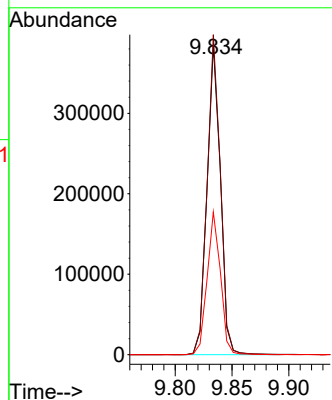
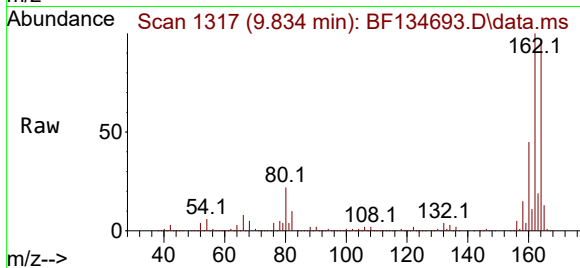
Tgt Ion:164 Resp: 314734

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

160 46.1 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 71.336 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

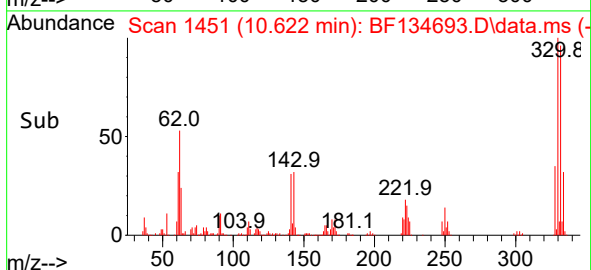
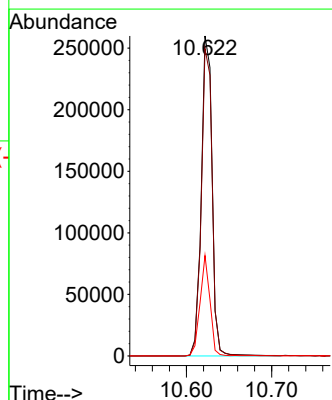
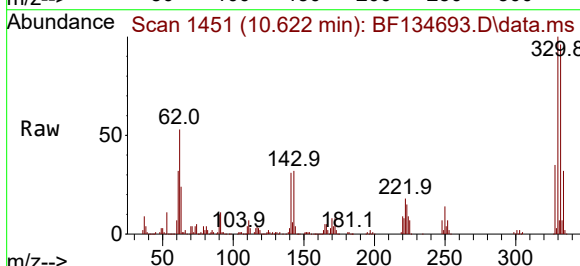
Tgt Ion:330 Resp: 228874

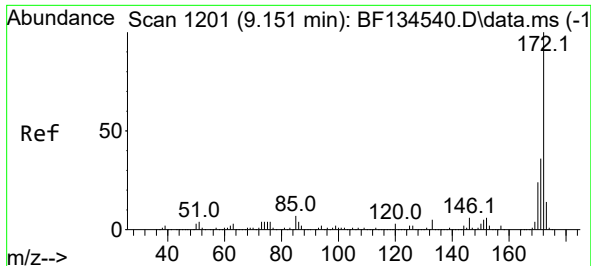
Ion Ratio Lower Upper

330 100

332 96.9 78.8 118.2

141 29.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 56.151 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

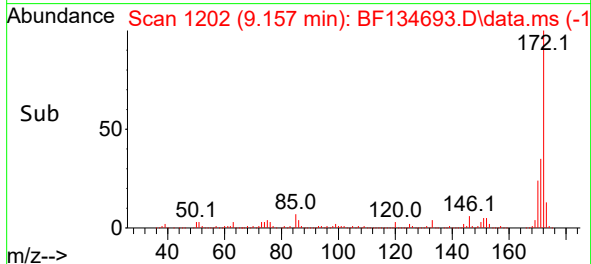
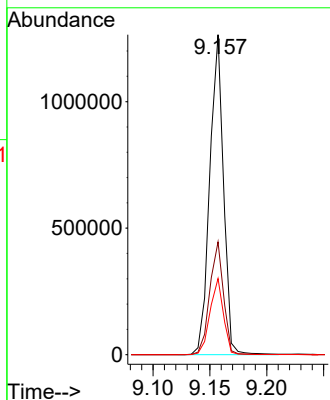
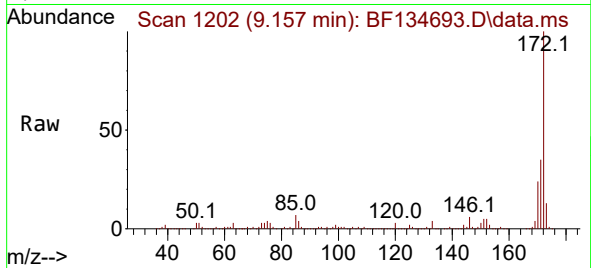
Tgt Ion:172 Resp: 1062888

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.190 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.012 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

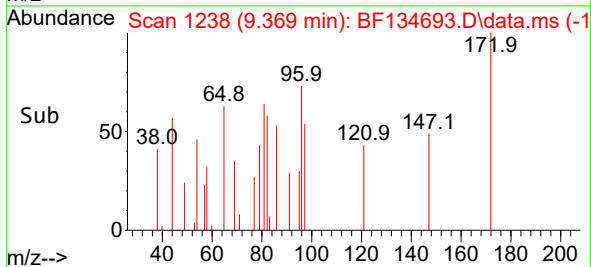
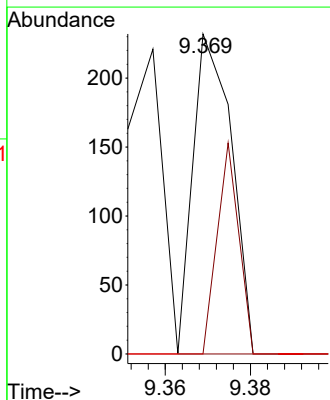
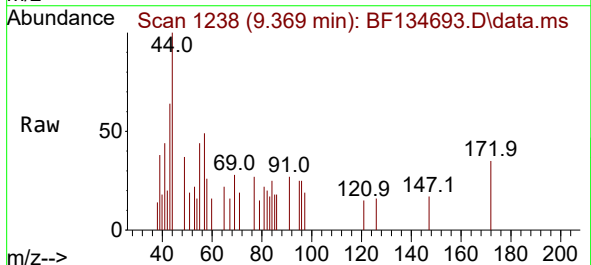
Tgt Ion: 65 Resp: 146

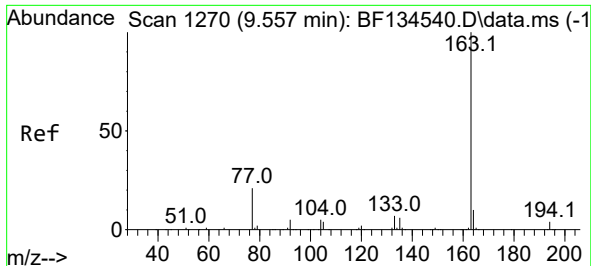
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

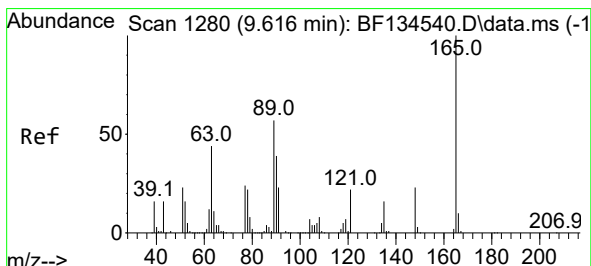
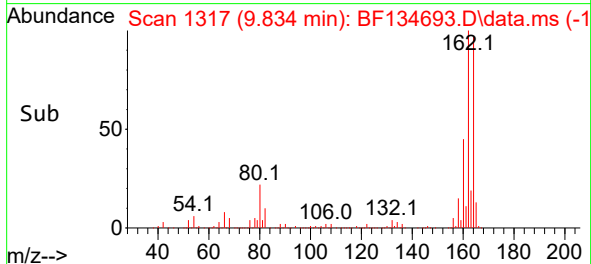
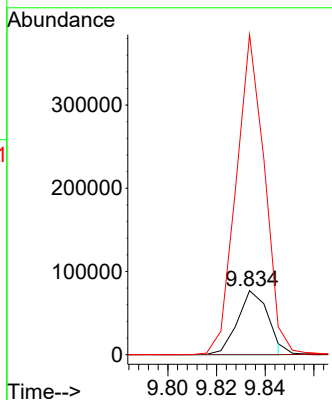
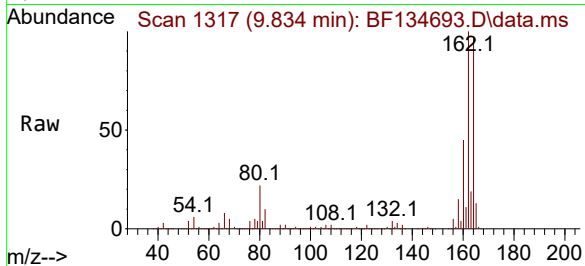




#50
Dimethylphthalate
Concen: 3.129 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

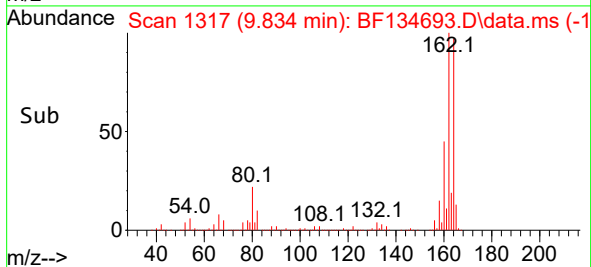
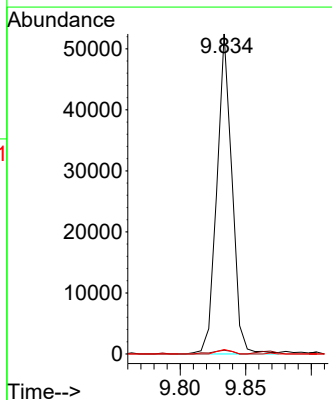
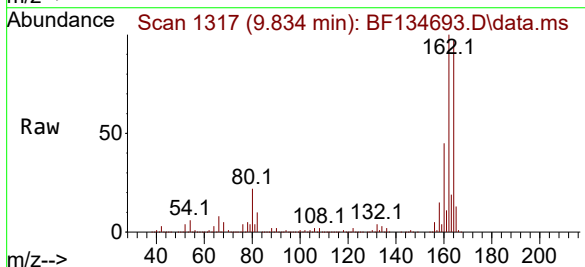
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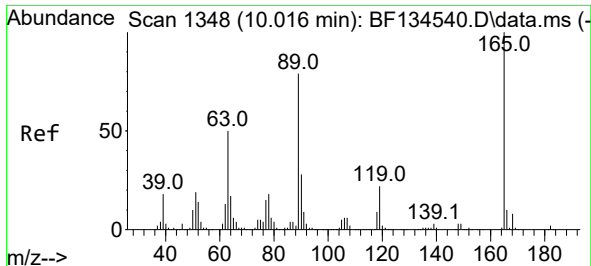
Tgt Ion:163 Resp: 67131
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 500.1 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.575 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion:165 Resp: 42093
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 1.4 51.8 77.8#

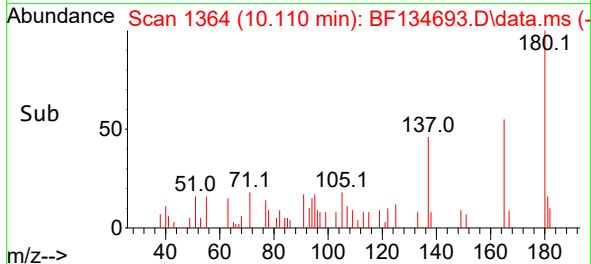
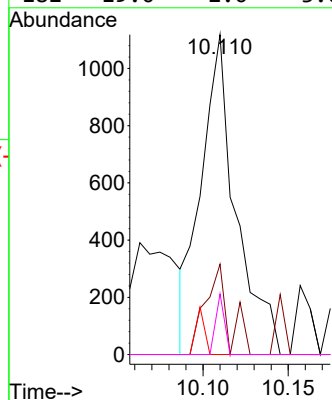
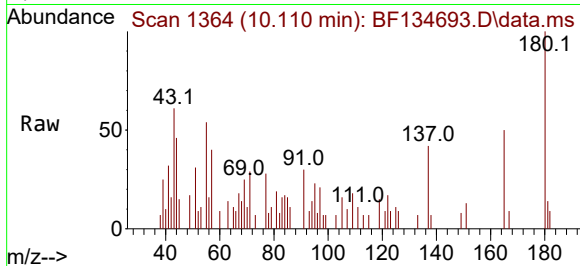




#57
2,4-Dinitrotoluene
Concen: 3.133 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

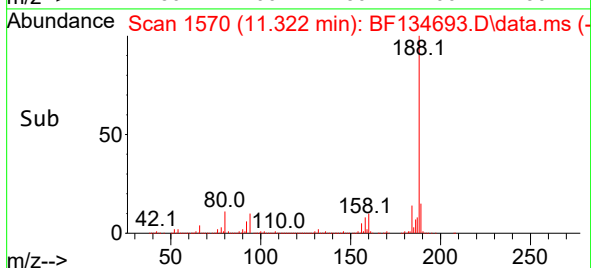
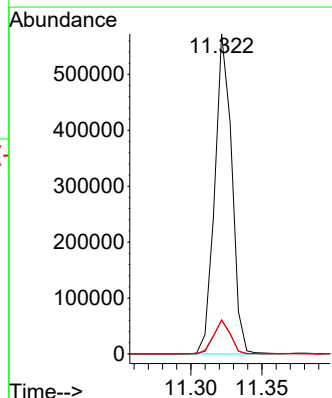
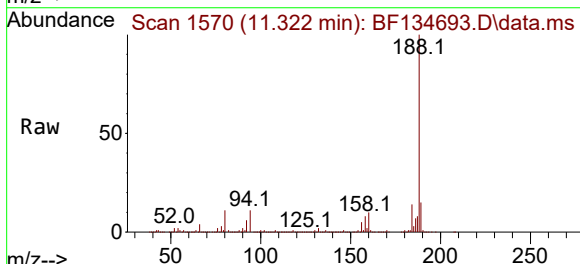
Instrument :
BNA_F
ClientSampleId :
VNJ-207

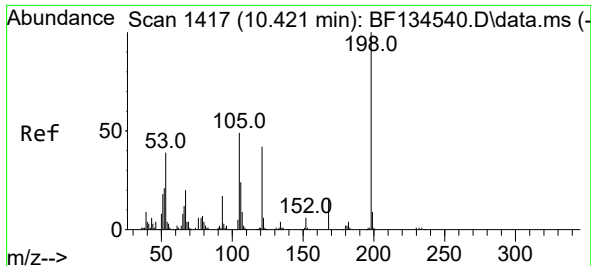
Tgt Ion:	165	Resp:	1592
Ion	Ratio	Lower	Upper
165	100		
63	28.3	48.9	73.3#
89	0.0	61.7	92.5#
182	19.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion:	188	Resp:	477268
Ion	Ratio	Lower	Upper
188	100		
94	10.5	5.1	7.7#
80	10.7	6.6	9.8#

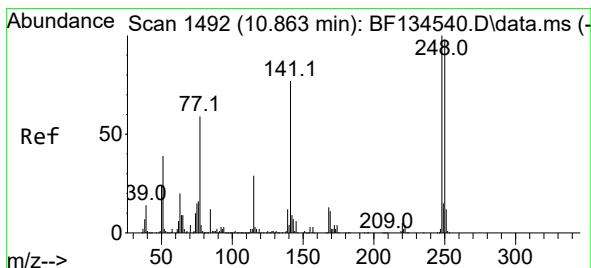
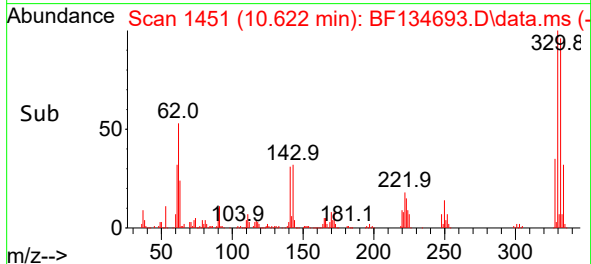
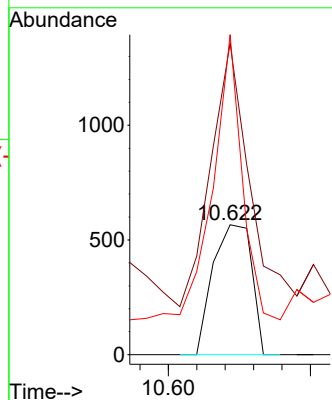
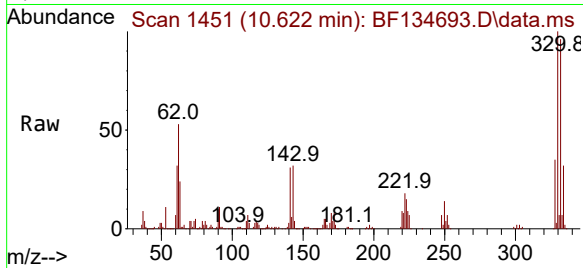




#65
4,6-Dinitro-2-methylphenol
Concen: 8.927 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

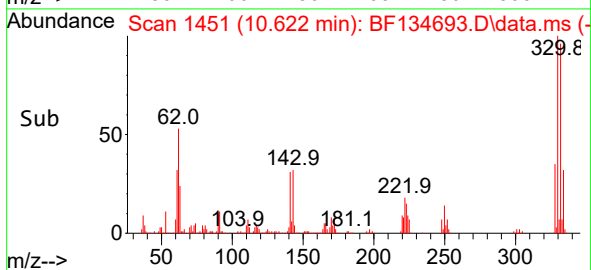
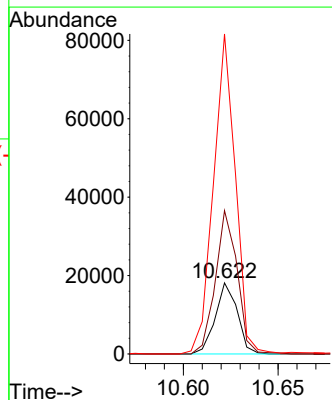
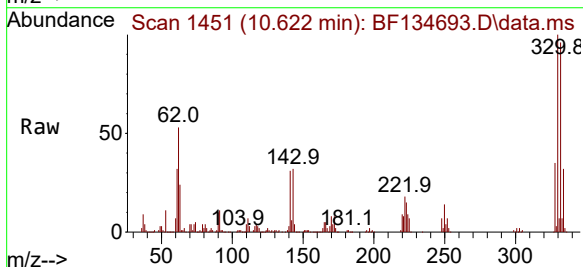
Instrument :
BNA_F
ClientSampleId :
VNJ-207

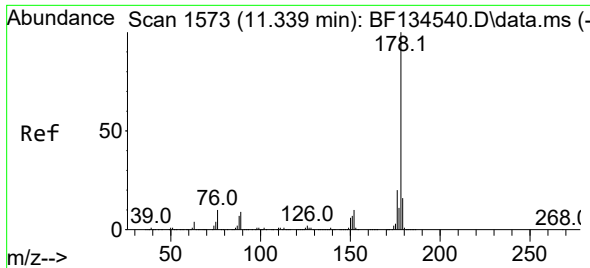
Tgt Ion:198 Resp: 537
Ion Ratio Lower Upper
198 100
51 239.8 38.6 78.6#
105 246.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.809 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion:248 Resp: 14675
Ion Ratio Lower Upper
248 100
250 202.0 79.6 119.4#
141 450.8 59.6 89.4#

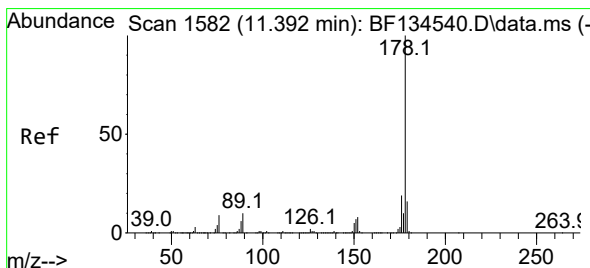
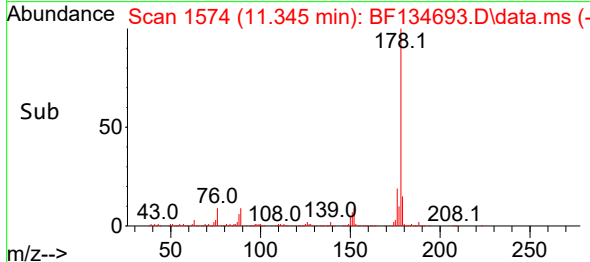
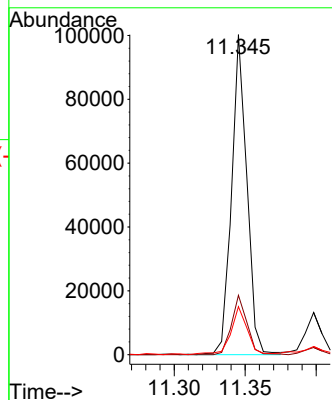
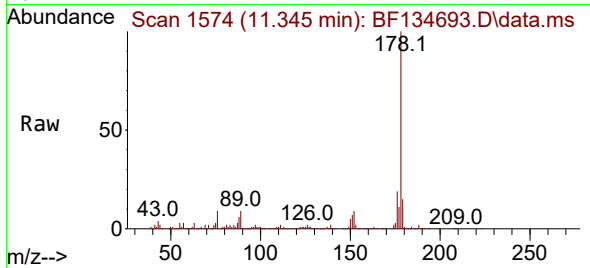




#71
Phenanthrene
Concen: 2.968 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

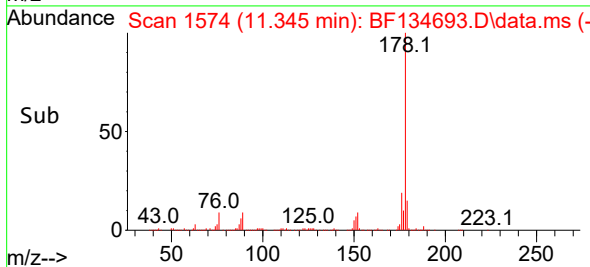
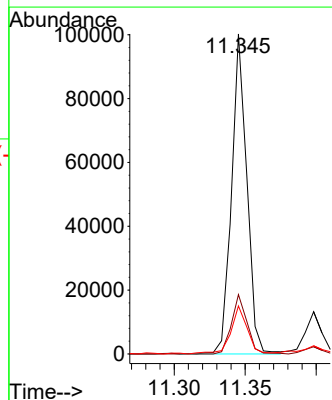
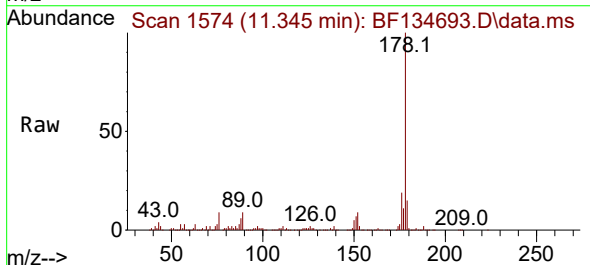
Instrument :
BNA_F
ClientSampleId :
VNJ-207

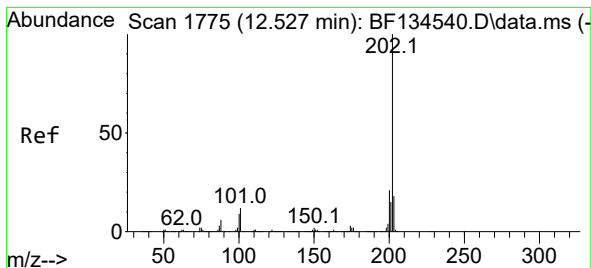
Tgt Ion:178 Resp: 75239
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.0 12.7 19.1



#72
Anthracene
Concen: 2.906 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.059 min
Lab File: BF134693.D
Acq: 09 Aug 2023 16:50

Tgt Ion:178 Resp: 75239
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.0 12.3 18.5





#75

Fluoranthene

Concen: 7.292 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

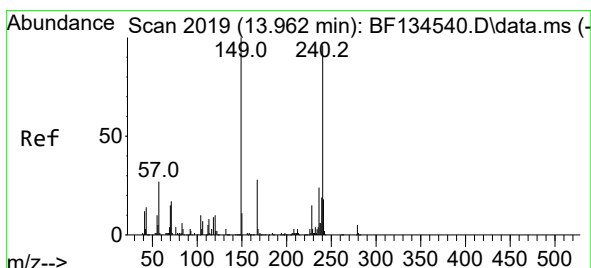
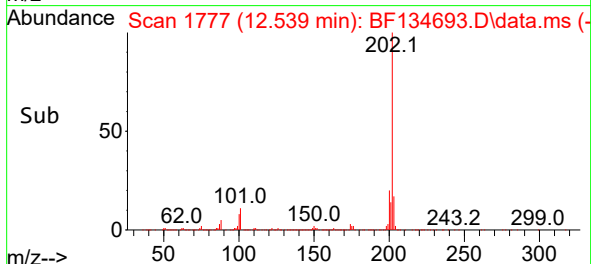
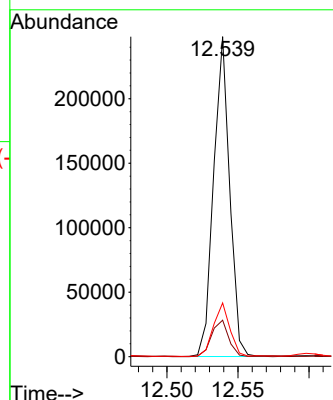
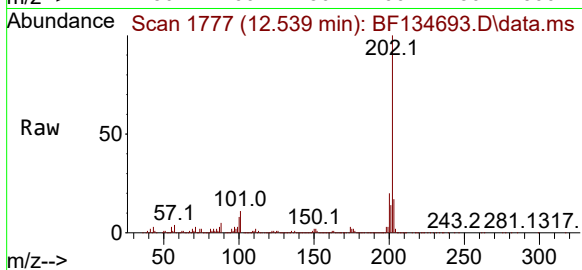
Tgt Ion:202 Resp: 195269

Ion Ratio Lower Upper

202 100

101 11.4 0.0 28.5

203 16.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

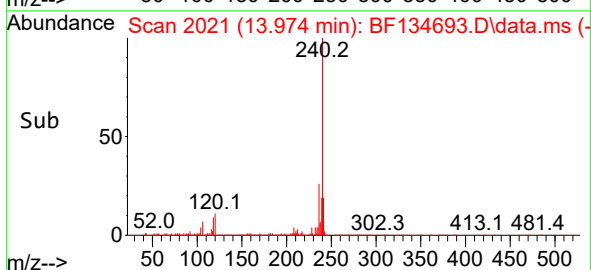
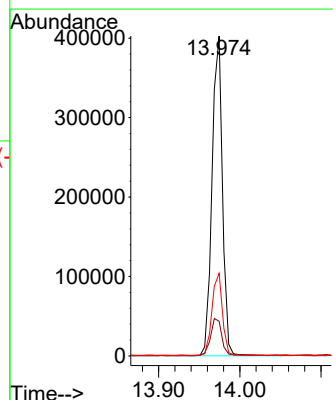
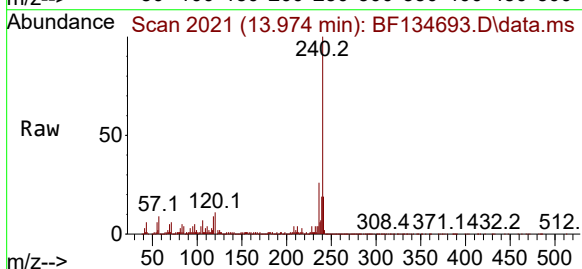
Tgt Ion:240 Resp: 356760

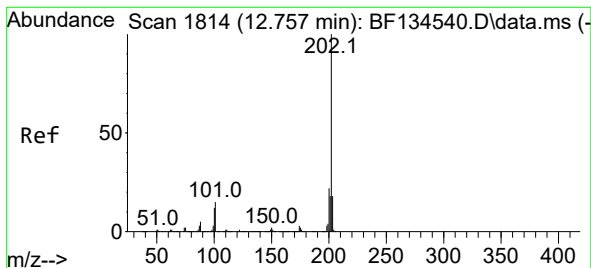
Ion Ratio Lower Upper

240 100

120 10.8 6.6 10.0#

236 25.9 20.2 30.2





#78

Pyrene

Concen: 5.263 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

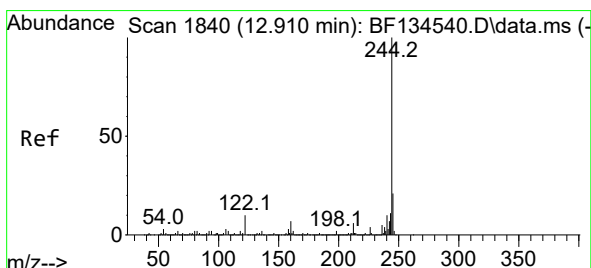
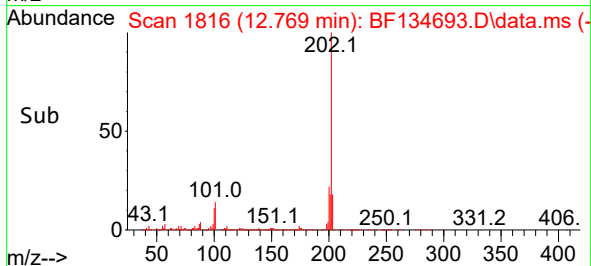
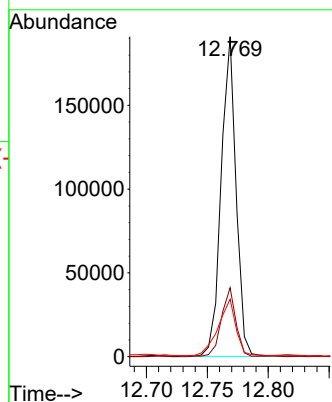
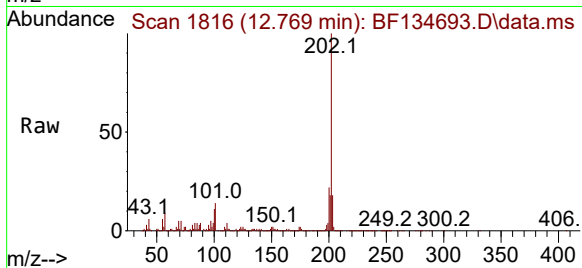
Tgt Ion:202 Resp: 162476

Ion Ratio Lower Upper

202 100

200 21.5 15.8 23.8

203 18.0 13.5 20.3



#79

Terphenyl-d14

Concen: 41.546 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

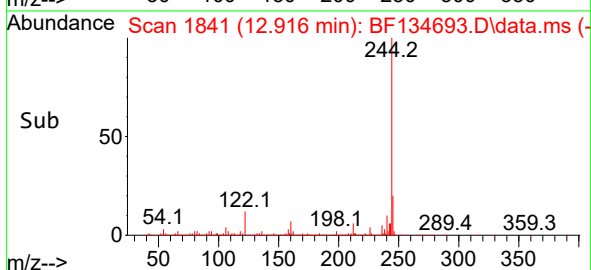
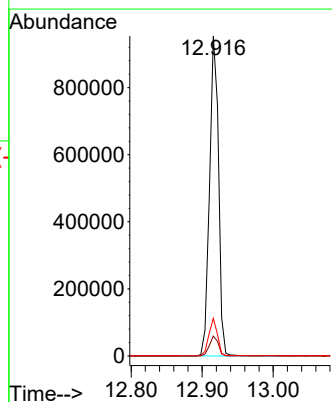
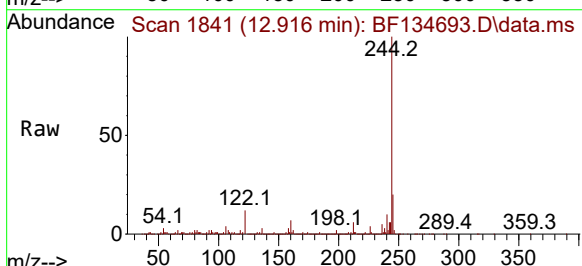
Tgt Ion:244 Resp: 840788

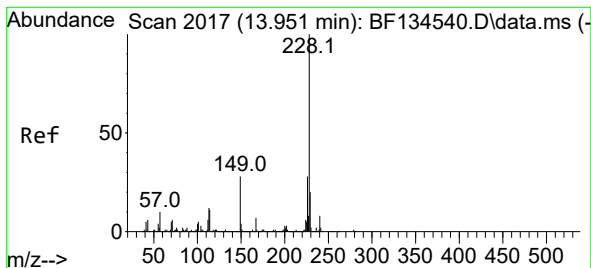
Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 11.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 3.096 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

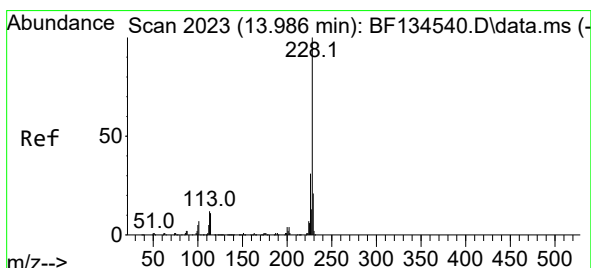
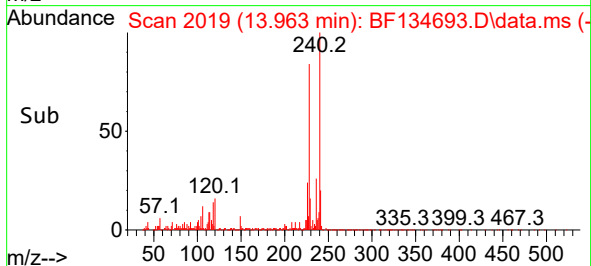
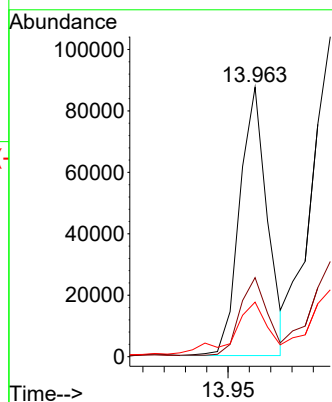
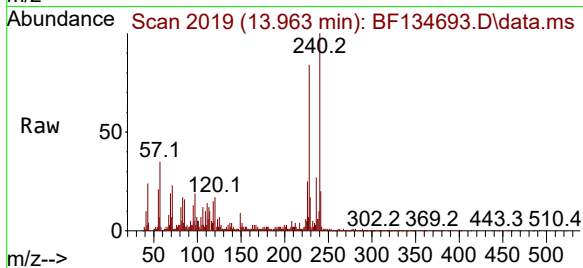
Tgt Ion:228 Resp: 78982

Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

229 20.2 15.8 23.6



#83

Chrysene

Concen: 4.073 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

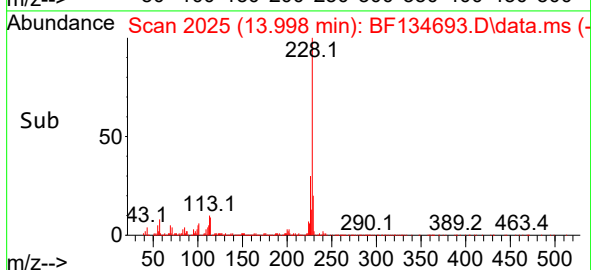
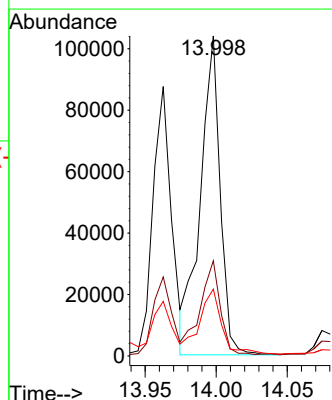
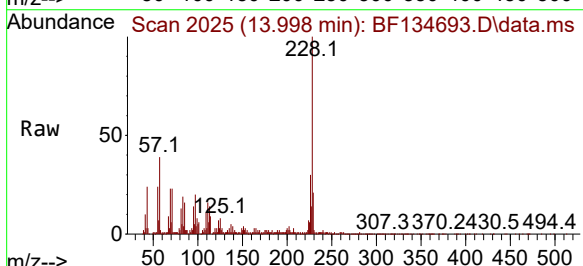
Tgt Ion:228 Resp: 101240

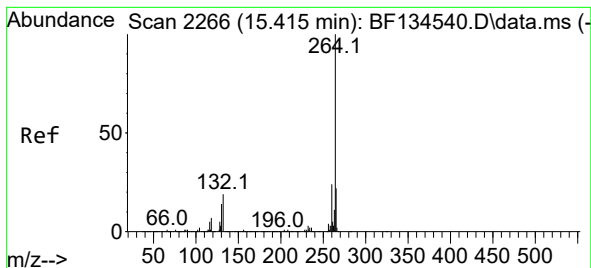
Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

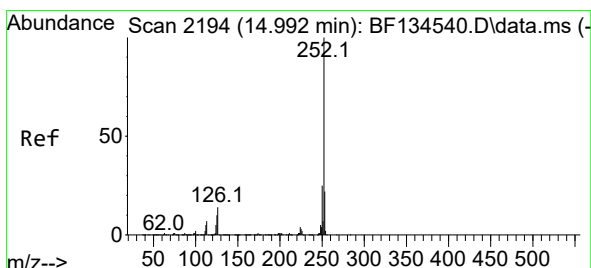
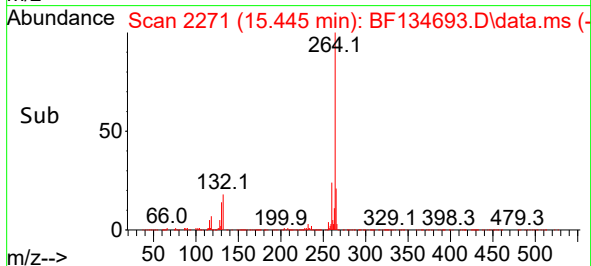
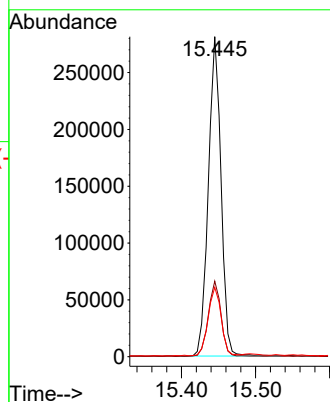
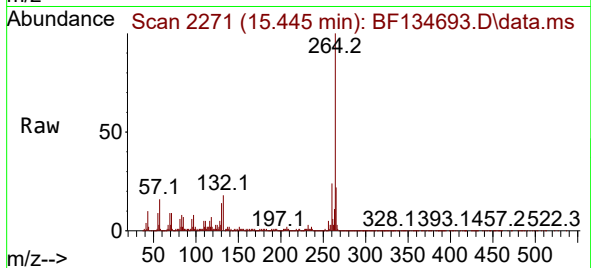
Tgt Ion:264 Resp: 333697

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.6 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 8.254 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

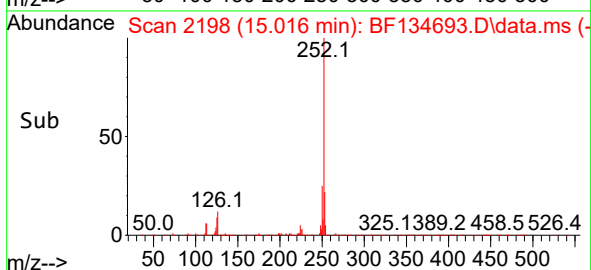
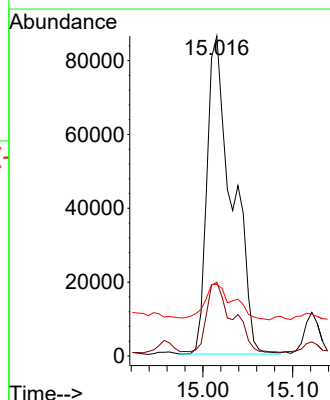
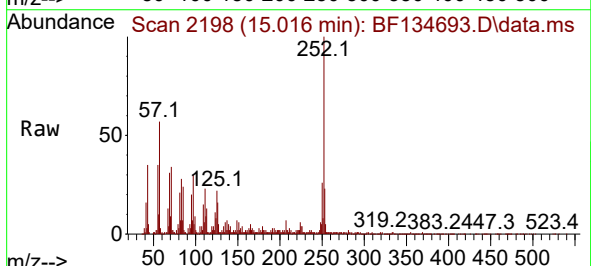
Tgt Ion:252 Resp: 167985

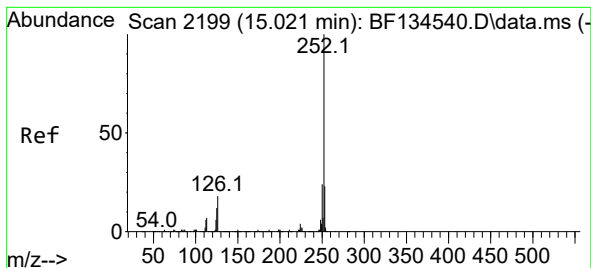
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 22.4 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 8.286 ng

RT: 15.016 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Instrument :

BNA_F

ClientSampleId :

VNJ-207

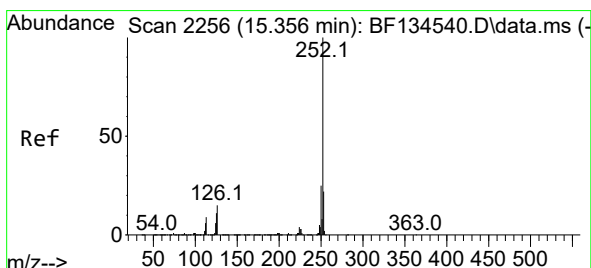
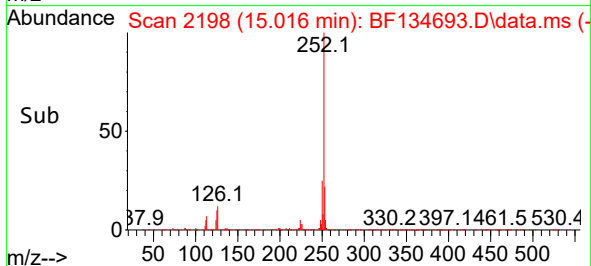
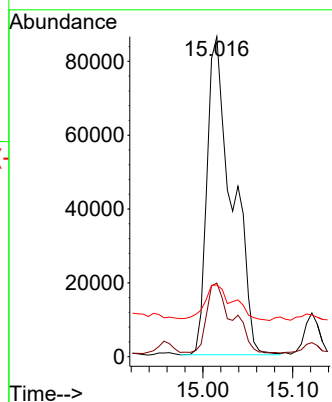
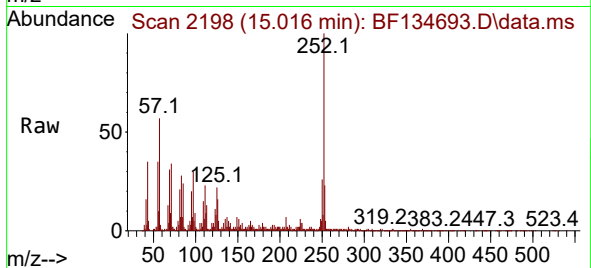
Tgt Ion:252 Resp: 167985

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 22.4 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 3.500 ng

RT: 15.380 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF134693.D

Acq: 09 Aug 2023 16:50

Tgt Ion:252 Resp: 66418

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.4

125 28.1 6.2 9.4#

