

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133082.D
 Acq On : 27 Apr 2023 00:05
 Operator : CG\JU
 Sample : 02490-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201

Quant Time: Apr 27 02:04:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

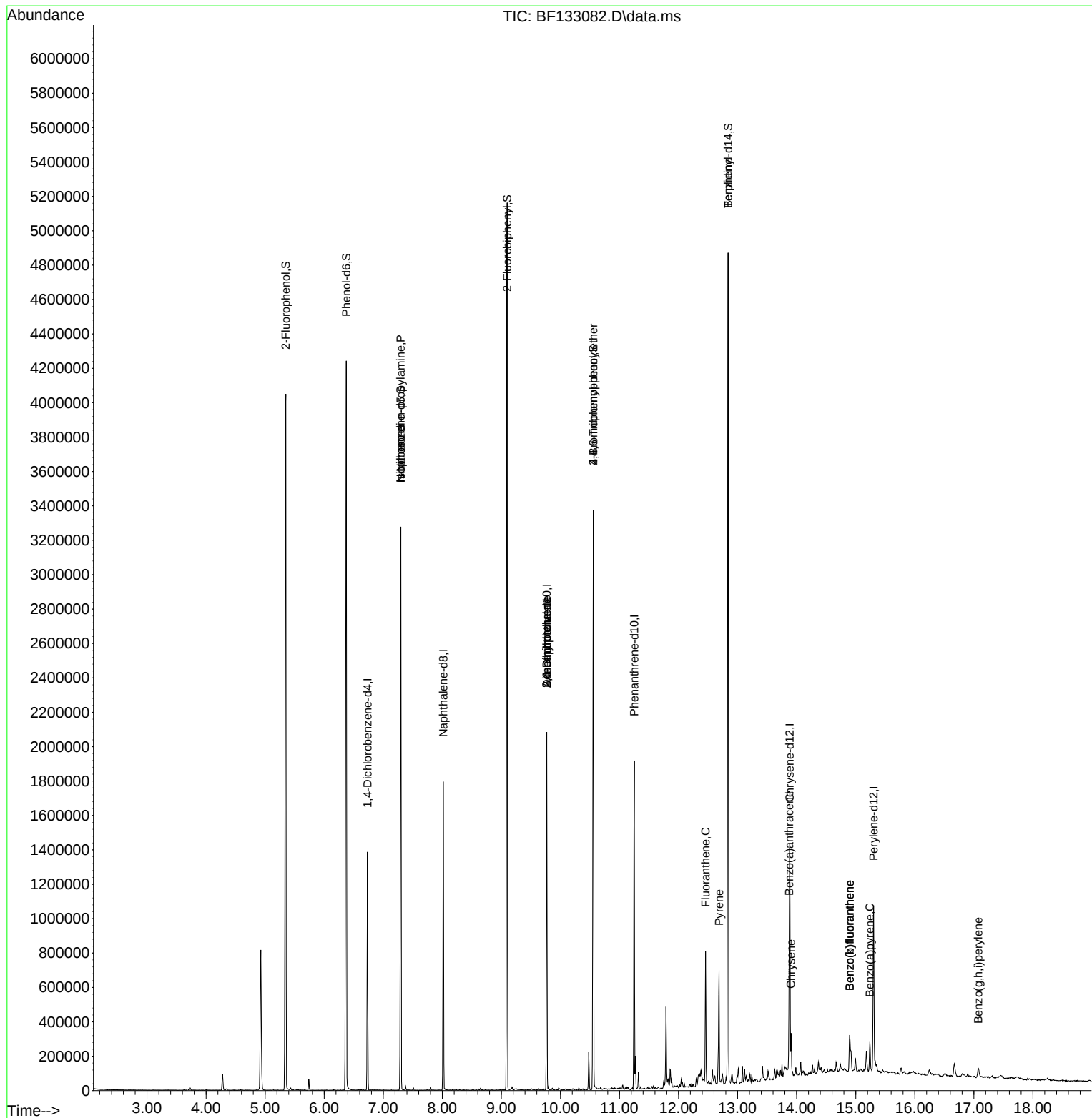
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	170864	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	697096	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	361501	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	638211	20.000	ng	0.00
76) Chrysene-d12	13.880	240	369270	20.000	ng	-0.01
86) Perylene-d12	15.304	264	393834	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1326393	117.267	ng	0.01
7) Phenol-d6	6.375	99	1625257	115.765	ng	0.00
23) Nitrobenzene-d5	7.298	82	973631	75.389	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	423613	116.519	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1619107	74.931	ng	0.00
79) Terphenyl-d14	12.839	244	1634507	76.339	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	444	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	7.298	70	128352	14.685	ng	# 78
25) Isophorone	7.298	82	972327	39.653	ng	# 63
50) Dimethylphthalate	9.769	163	72452	2.874	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	45933	8.096	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	45933	6.349	ng	# 23
67) 4-Bromophenyl-phenylether	10.557	248	26968	3.896	ng	# 1
75) Fluoranthene	12.457	202	271950	7.900	ng	99
77) Benzidine	12.839	184	18963	3.037	ng	# 93
78) Pyrene	12.686	202	241048	7.615	ng	99
81) Benzo(a)anthracene	13.874	228	103157	4.062	ng	99
83) Chrysene	13.904	228	93355	3.677	ng	99
88) Benzo(b)fluoranthene	14.898	252	147359	5.881	ng	# 97
89) Benzo(k)fluoranthene	14.898	252	147359	5.933	ng	# 97
90) Benzo(a)pyrene	15.239	252	78037	3.422	ng	98
92) Benzo(g,h,i)perylene	17.074	276	38365	2.080	ng	96

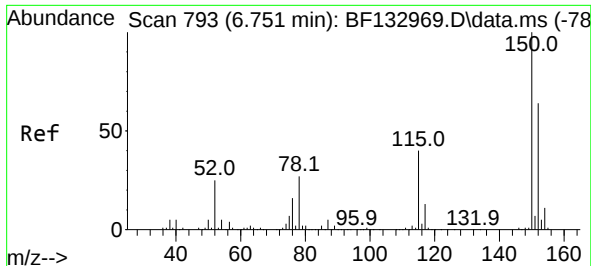
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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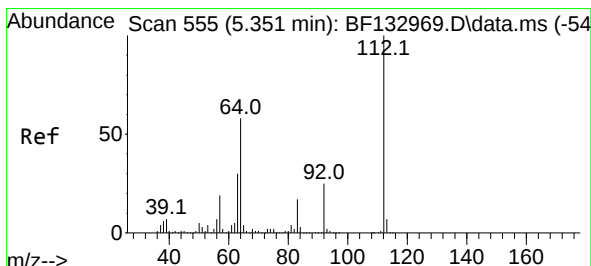
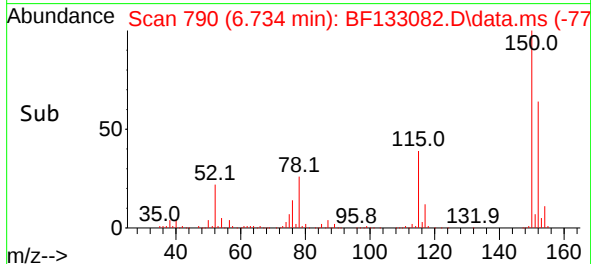
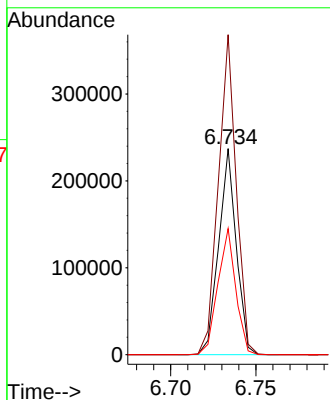
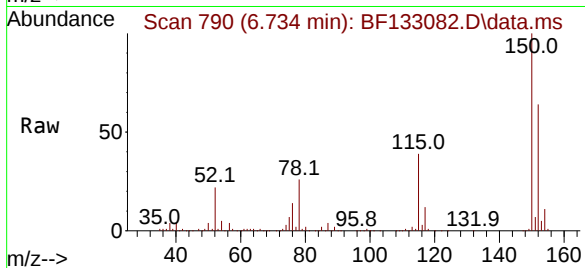




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 793
 Delta R.T. -0.005 min
 Lab File: BF133082.D
 Acq: 27 Apr 2023 00:05

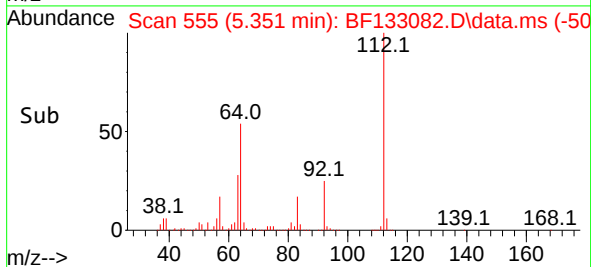
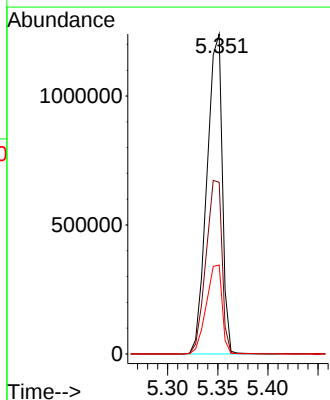
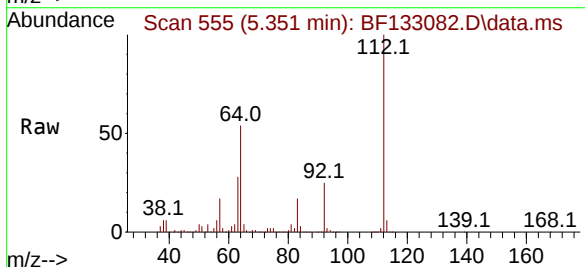
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201

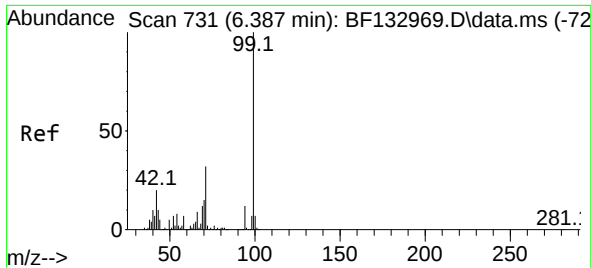
Tgt Ion:152 Resp: 170864
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.8 187.2
 115 61.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 117.267 ng
 RT: 5.351 min Scan# 555
 Delta R.T. 0.012 min
 Lab File: BF133082.D
 Acq: 27 Apr 2023 00:05

Tgt Ion:112 Resp: 1326393
 Ion Ratio Lower Upper
 112 100
 64 53.7 46.8 70.2
 63 27.8 23.8 35.8





#7

Phenol-d6

Concen: 115.765 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

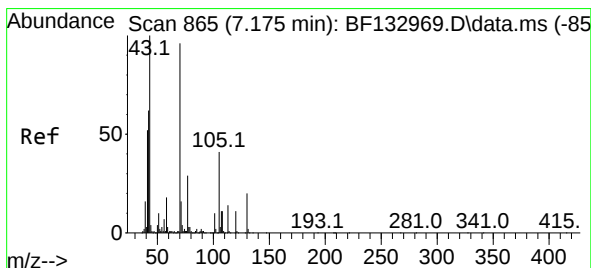
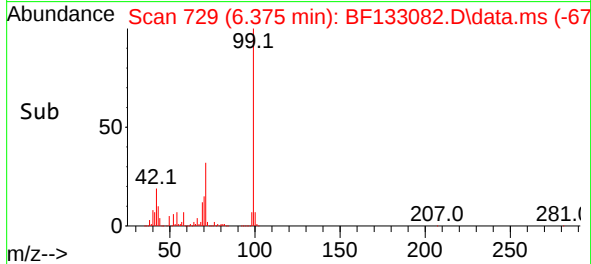
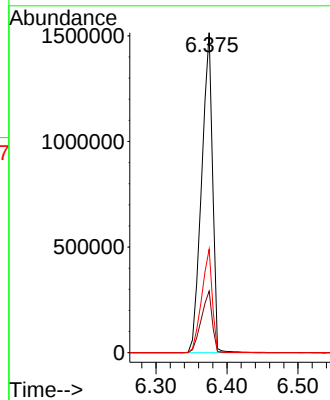
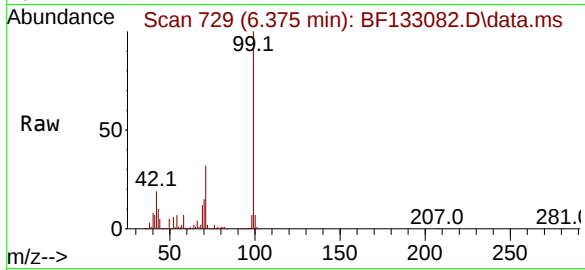
BNA_F

ClientSampleId :

VNJ-201

Tgt Ion: 99 Resp: 1625257

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.3	24.5
71	32.4	25.6	38.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.685 ng

RT: 7.298 min Scan# 886

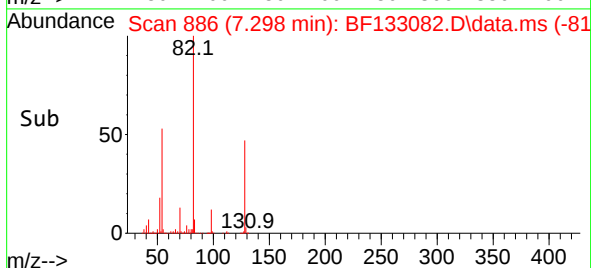
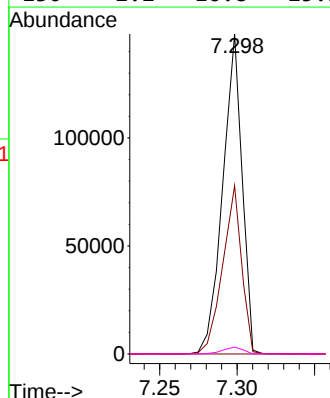
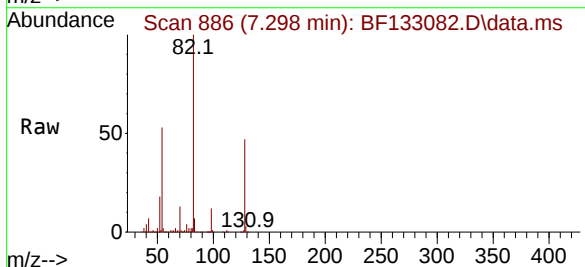
Delta R.T. 0.141 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Tgt Ion: 70 Resp: 128352

Ion	Ratio	Lower	Upper
70	100		
42	52.6	51.8	77.6
101	0.0	8.0	12.0#
130	2.2	16.8	25.2#



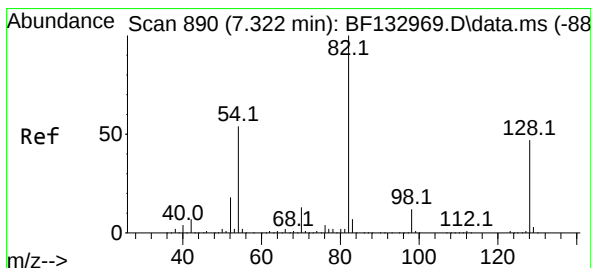
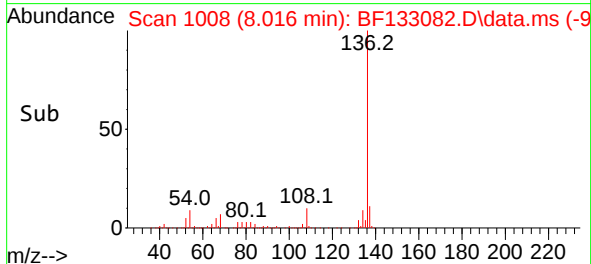
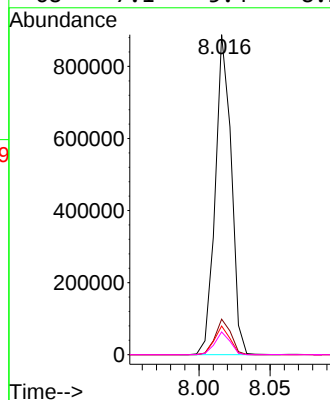
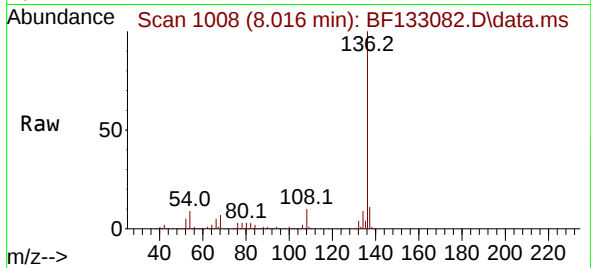


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Instrument :
BNA_F
ClientSampleId :
VNJ-201

Tgt Ion:136 Resp: 697096

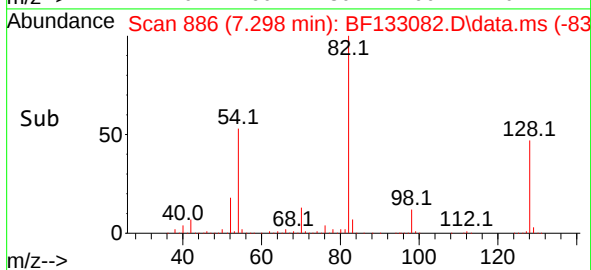
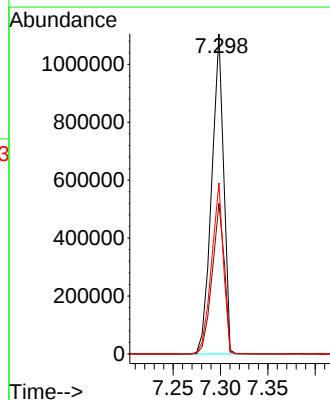
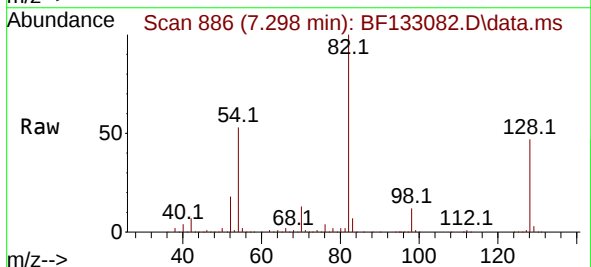
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.9	7.0	10.4
68	7.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 75.389 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion: 82 Resp: 973631

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	53.4	43.0	64.4

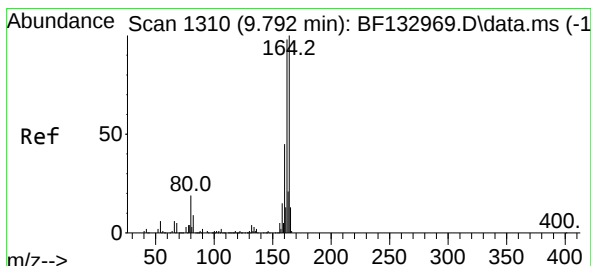
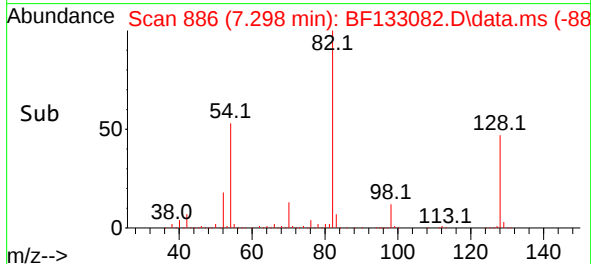
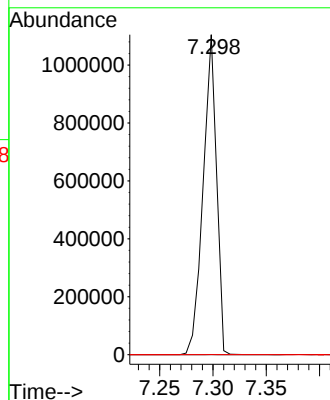
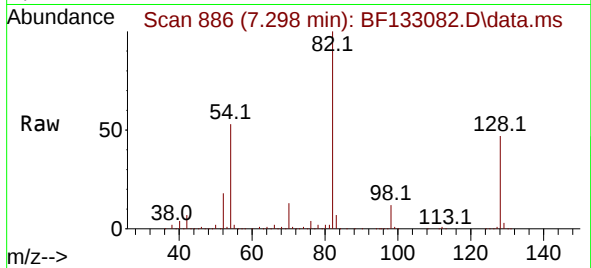




#25
Isophorone
Concen: 39.653 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

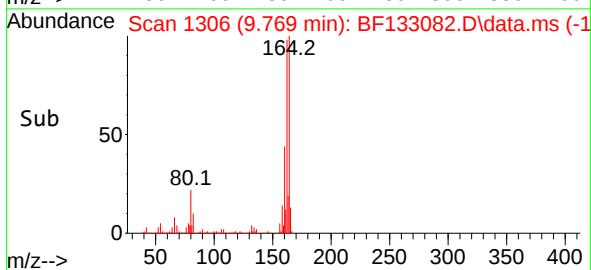
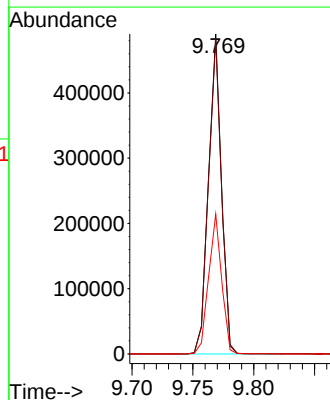
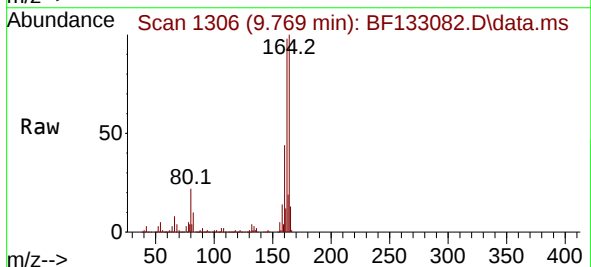
Instrument :
BNA_F
ClientSampleId :
VNJ-201

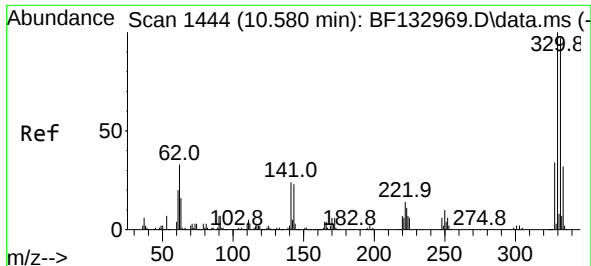
Tgt Ion: 82 Resp: 972327
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:164 Resp: 361501
Ion Ratio Lower Upper
164 100
162 98.4 78.7 118.1
160 43.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 116.519 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

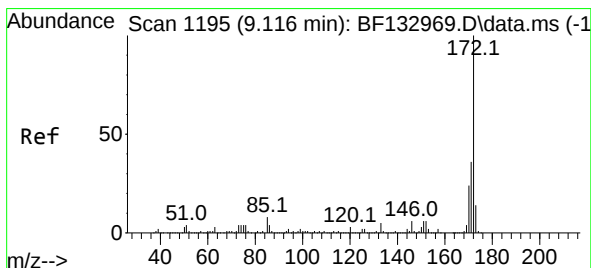
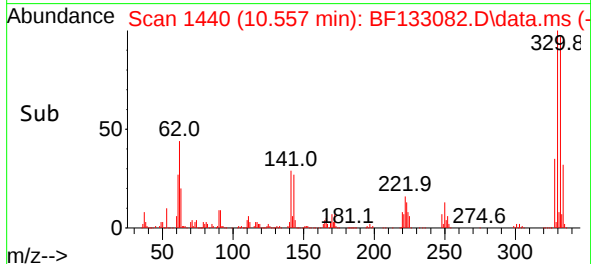
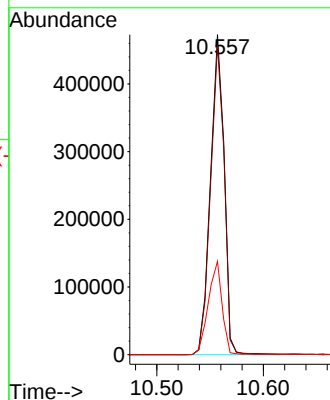
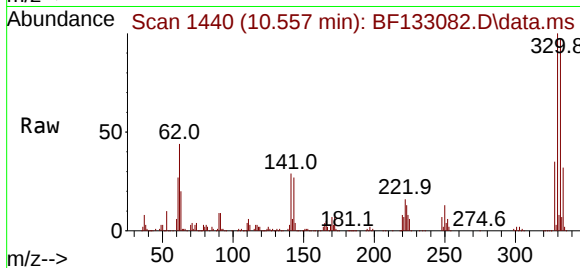
Tgt Ion:330 Resp: 423613

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 29.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 74.931 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

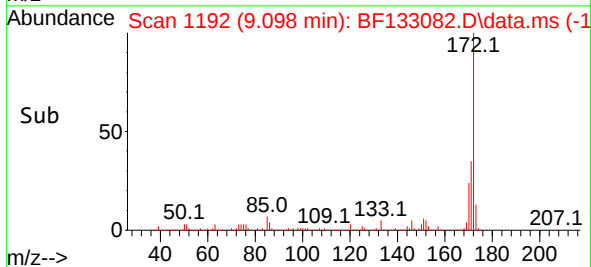
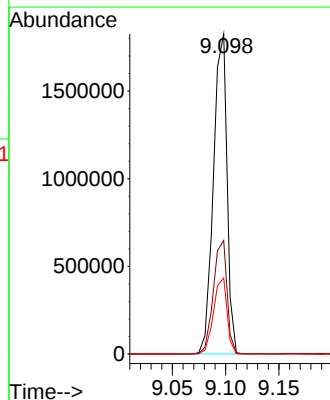
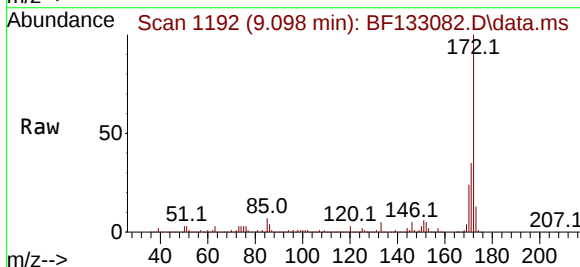
Tgt Ion:172 Resp: 1619107

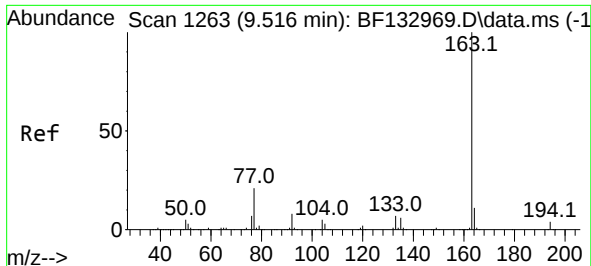
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.8 19.4 29.2

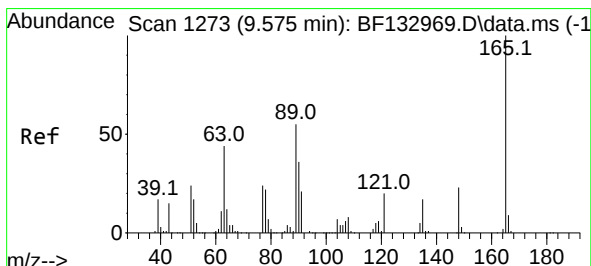
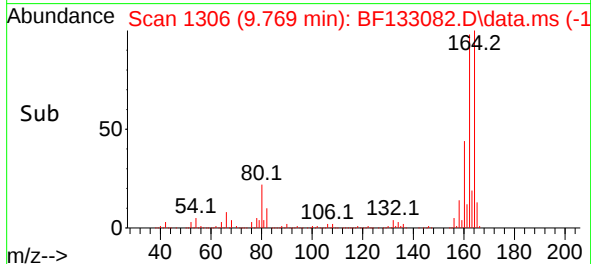
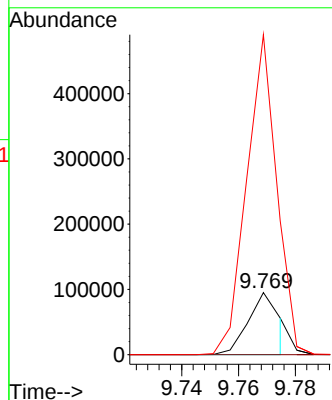
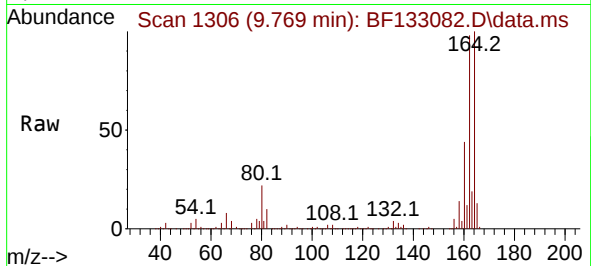




#50
Dimethylphthalate
Concen: 2.874 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.265 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

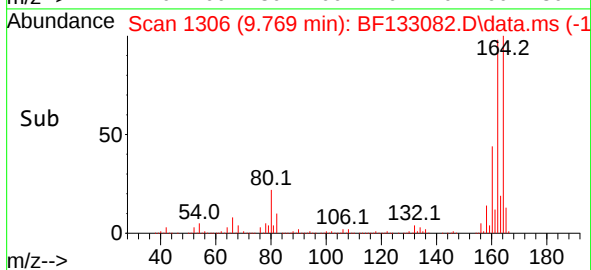
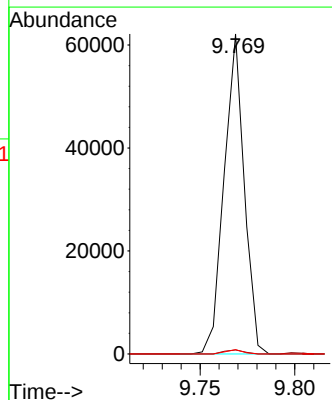
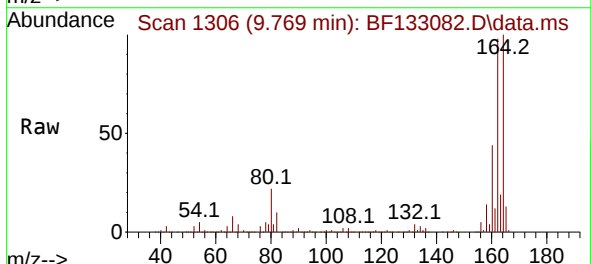
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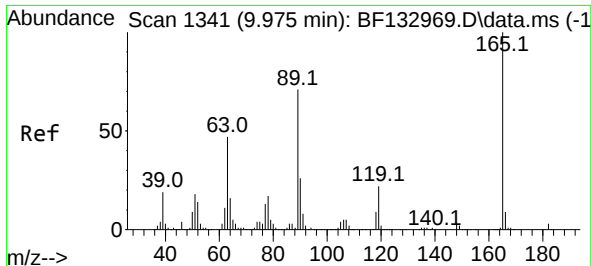
Tgt Ion:163 Resp: 72452
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 515.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.096 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.212 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:165 Resp: 45933
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.3 44.0 66.0#

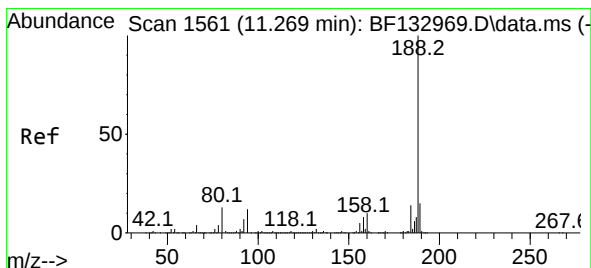
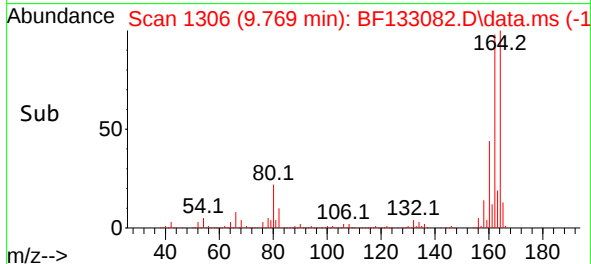
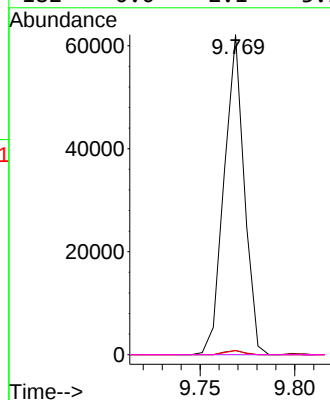
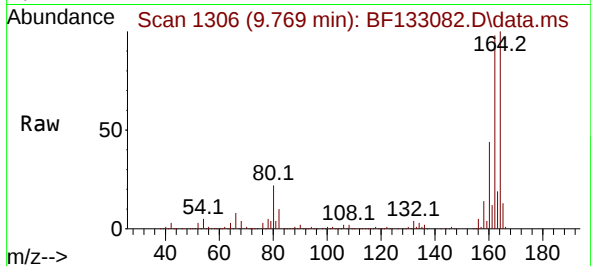




#57
2,4-Dinitrotoluene
Concen: 6.349 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

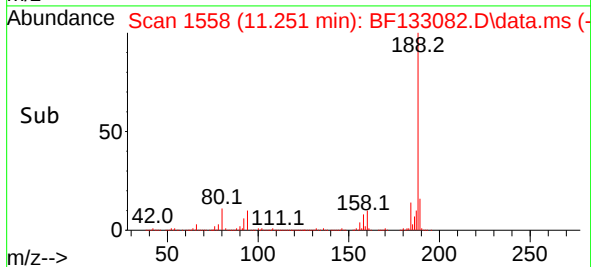
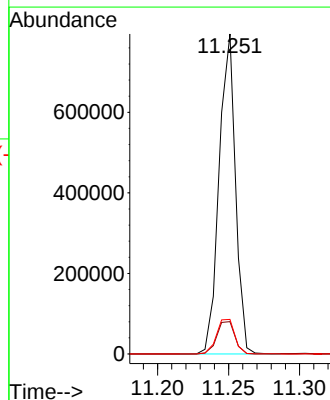
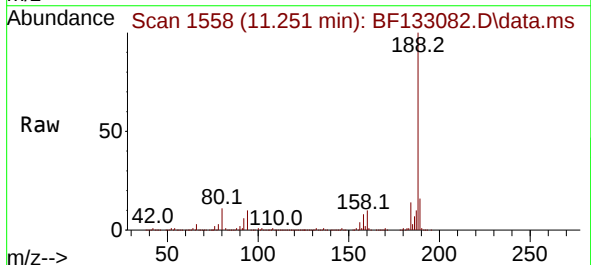
Instrument :
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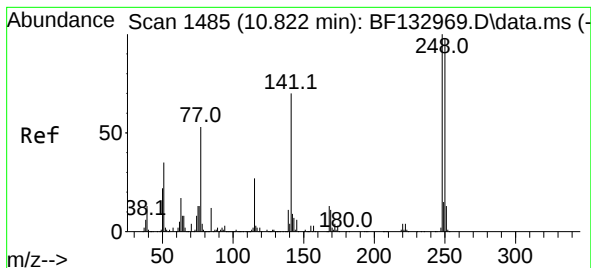
Tgt Ion:165 Resp: 45933
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:188 Resp: 638211
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.8 10.4 15.6

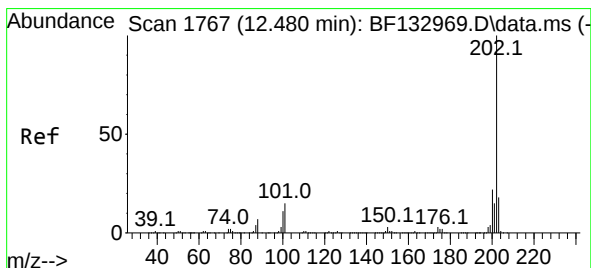
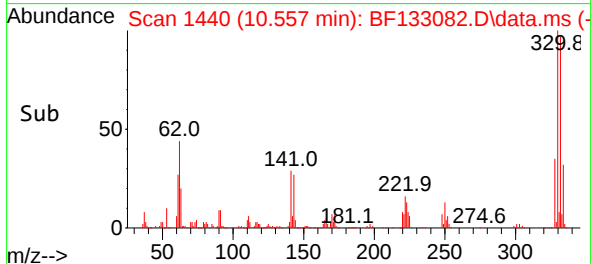
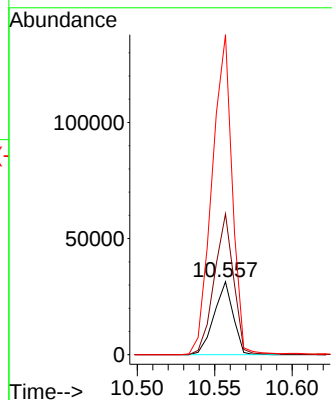
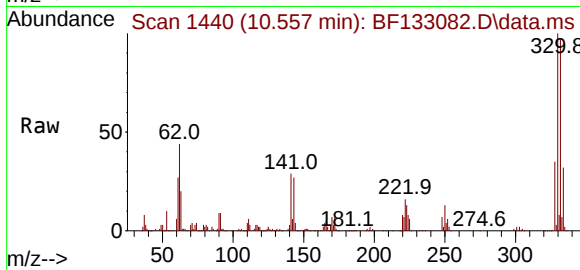




#67
4-Bromophenyl-phenylether
Concen: 3.896 ng
RT: 10.557 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

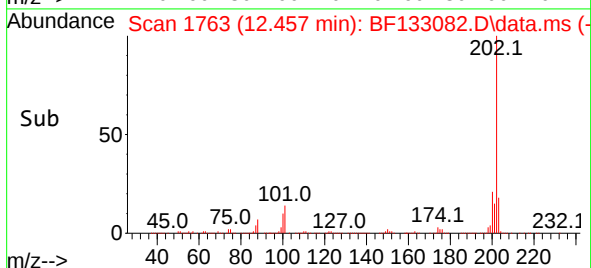
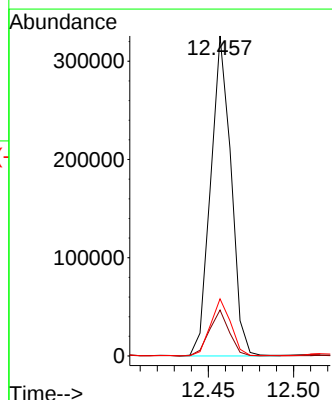
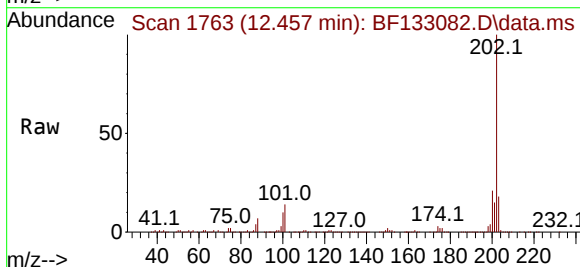
Instrument :
BNA_F
ClientSampleId :
VNJ-201

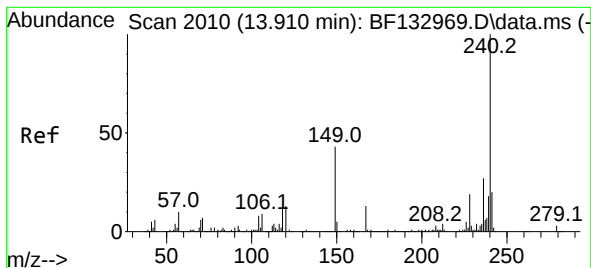
Tgt Ion:248 Resp: 26968
Ion Ratio Lower Upper
248 100
250 193.0 78.7 118.1#
141 438.4 56.3 84.5#



#75
Fluoranthene
Concen: 7.900 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:202 Resp: 271950
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.3
203 17.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

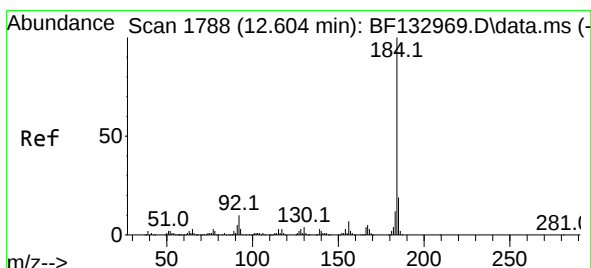
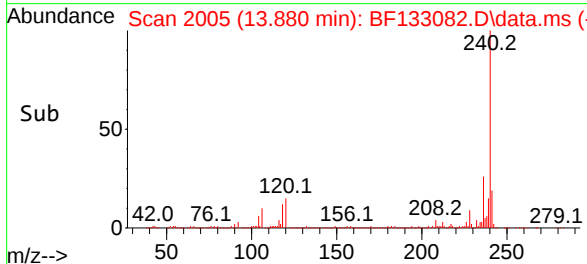
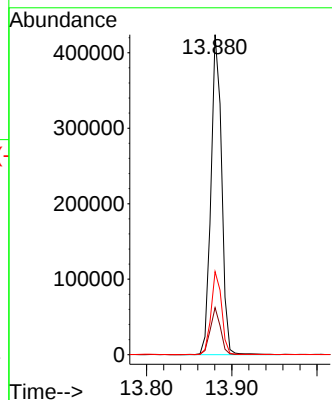
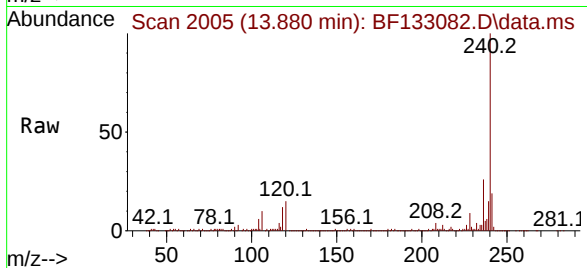
Tgt Ion:240 Resp: 369270

Ion Ratio Lower Upper

240 100

120 14.7 10.5 15.7

236 26.0 21.5 32.3



#77

Benzidine

Concen: 3.037 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.253 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

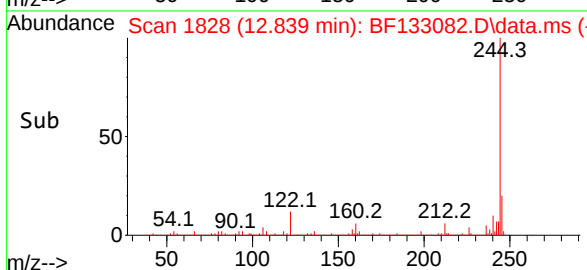
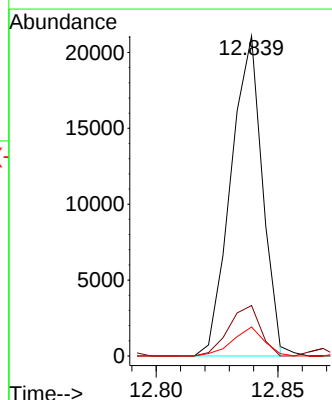
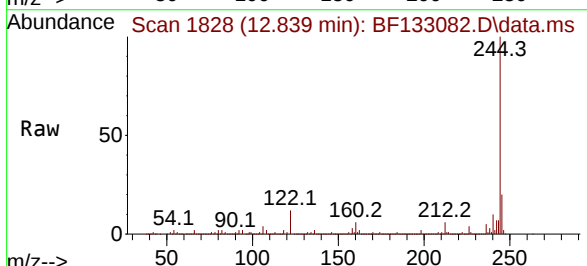
Tgt Ion:184 Resp: 18963

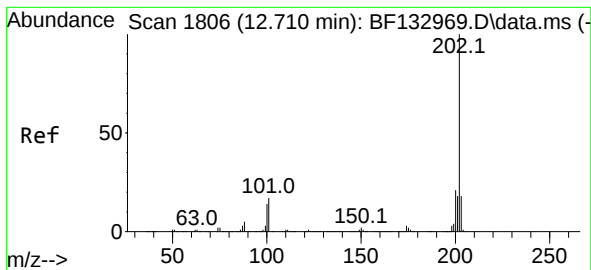
Ion Ratio Lower Upper

184 100

185 15.8 15.4 23.2

183 9.0 9.4 14.0#





#78

Pyrene

Concen: 7.615 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

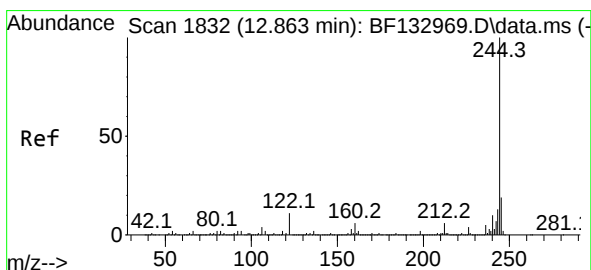
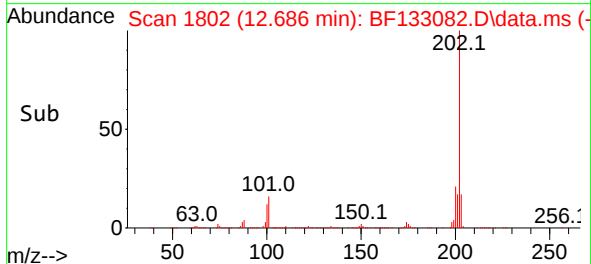
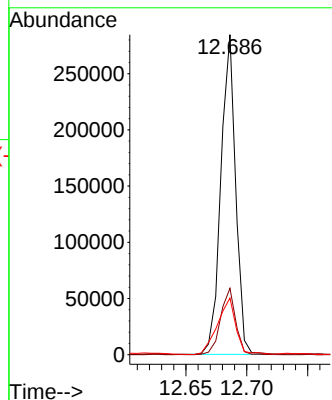
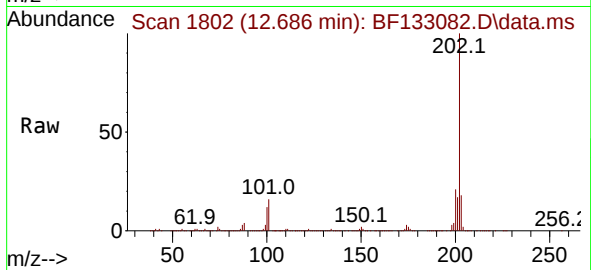
Tgt Ion:202 Resp: 241048

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 76.339 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

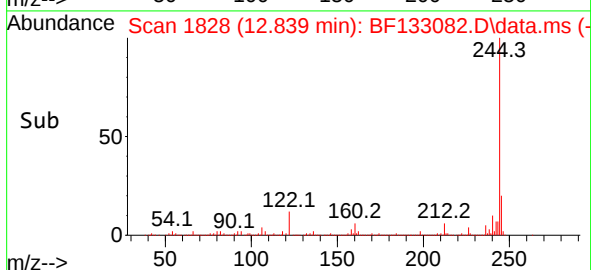
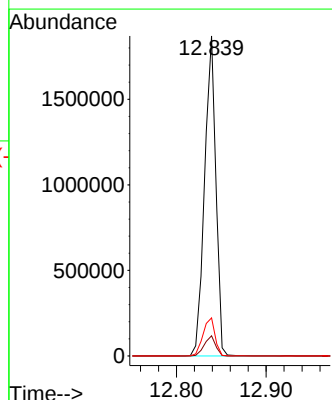
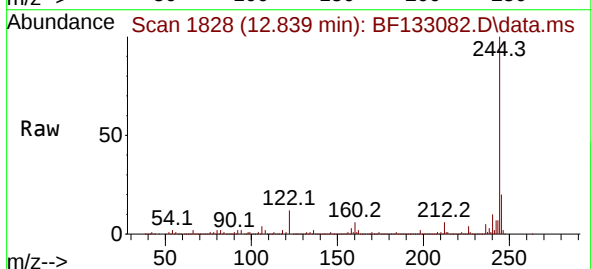
Tgt Ion:244 Resp: 1634507

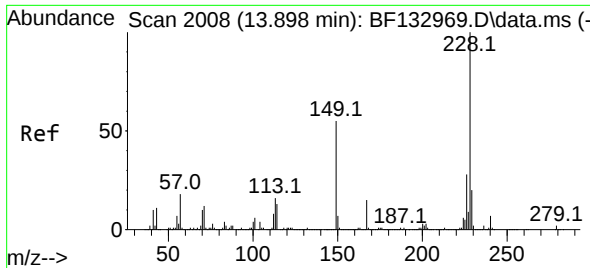
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.9 8.6 13.0

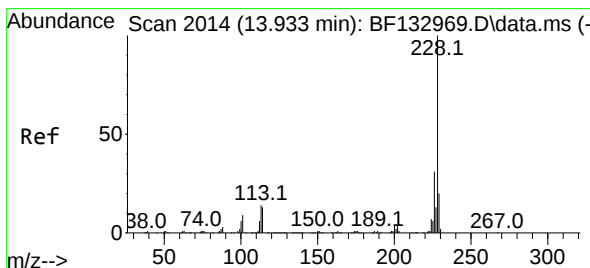
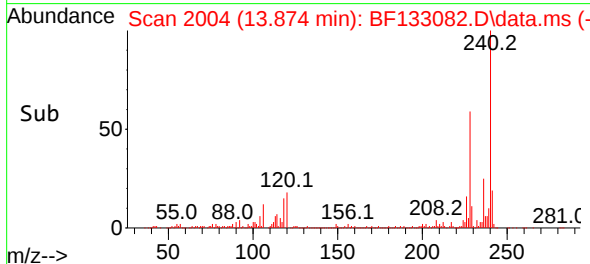
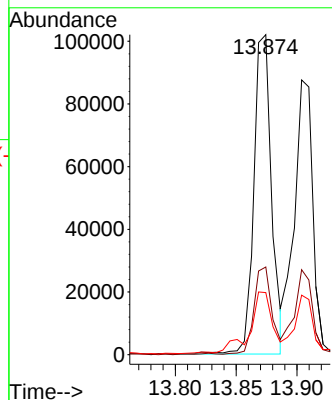
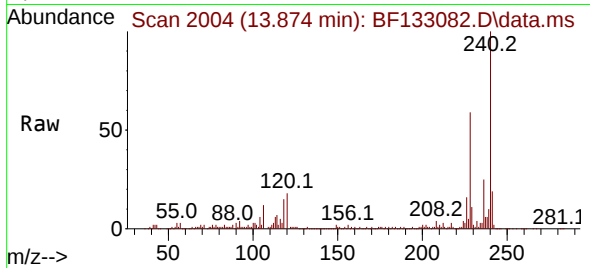




#81
Benzo(a)anthracene
Concen: 4.062 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

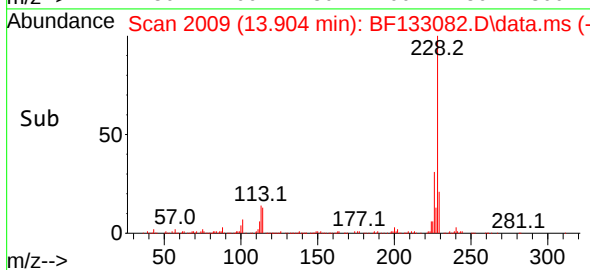
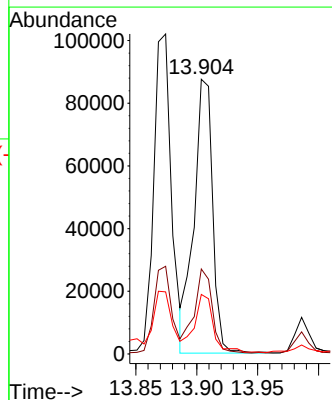
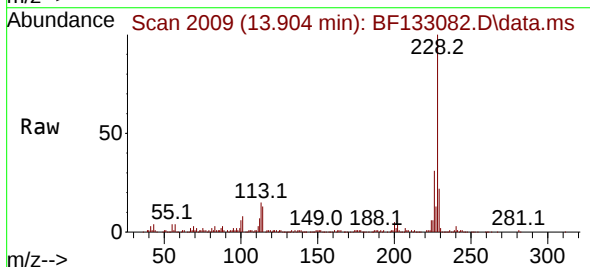
Instrument :
BNA_F
ClientSampleId :
VNJ-201

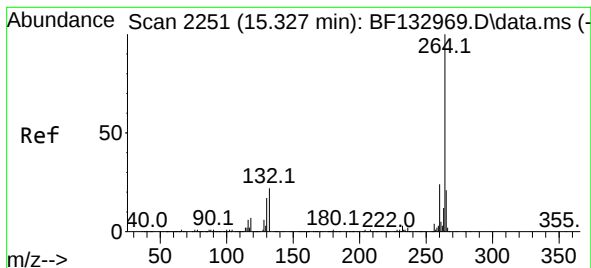
Tgt Ion:228 Resp: 103157
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.4 16.0 24.0



#83
Chrysene
Concen: 3.677 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:228 Resp: 93355
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 21.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

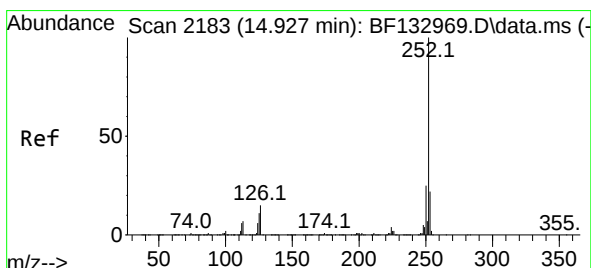
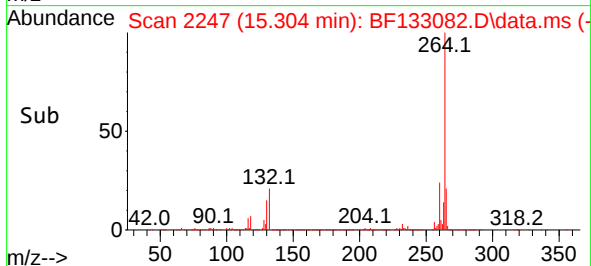
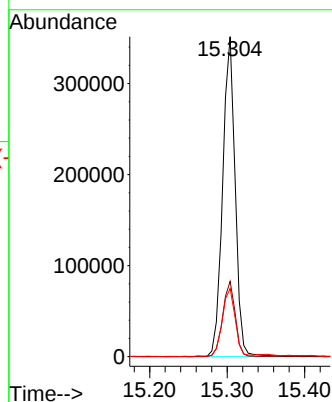
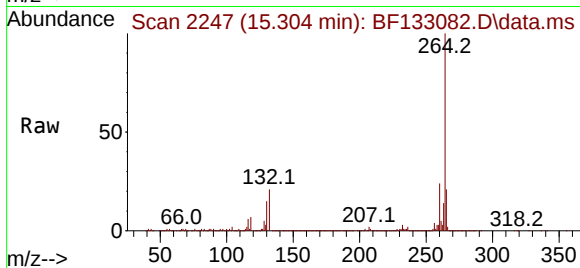
Tgt Ion:264 Resp: 393834

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 5.881 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

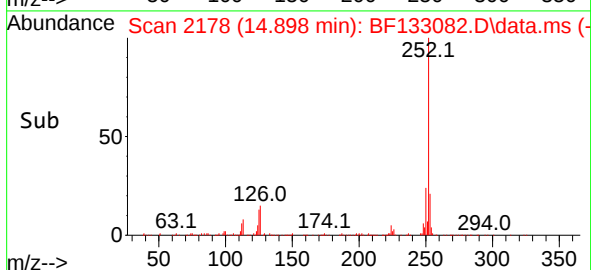
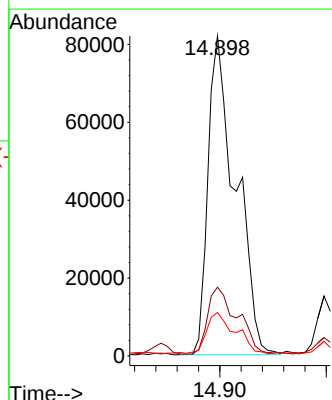
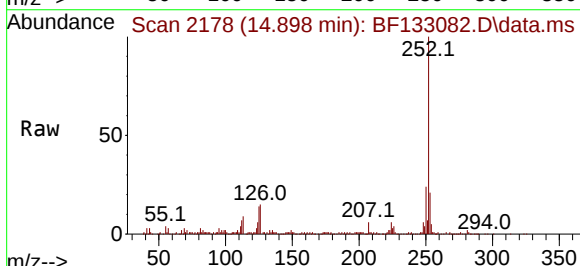
Tgt Ion:252 Resp: 147359

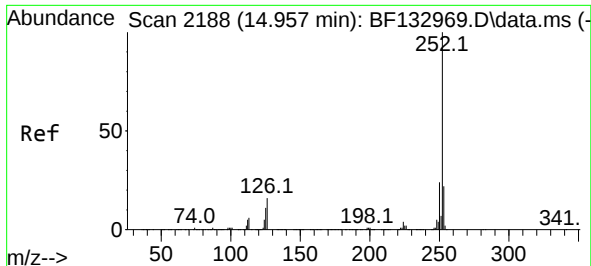
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 13.6 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.933 ng

RT: 14.898 min Scan# 2188

Delta R.T. -0.035 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

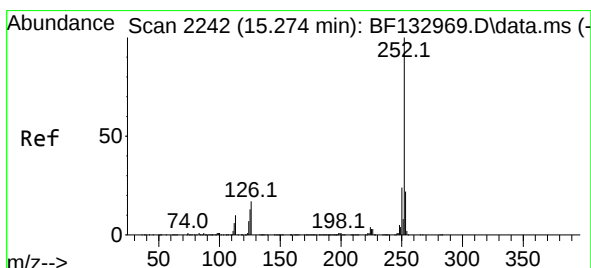
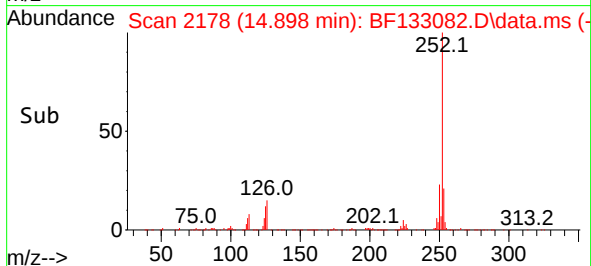
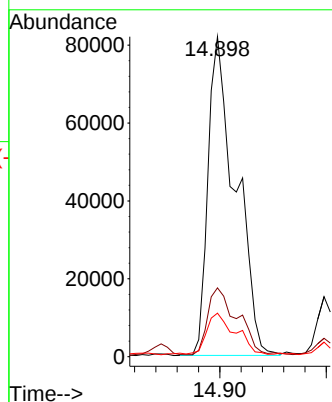
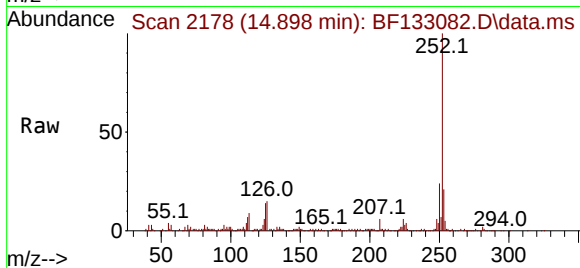
Tgt Ion:252 Resp: 147359

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 13.6 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 3.422 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.012 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

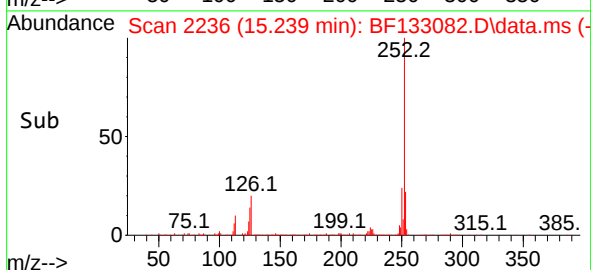
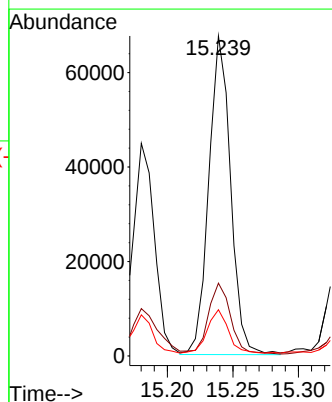
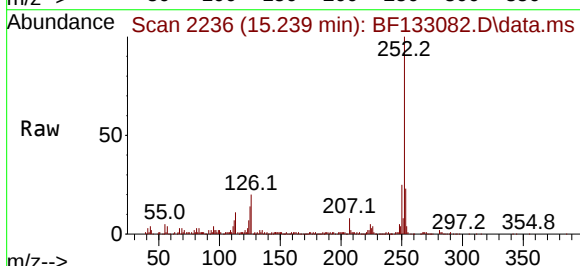
Tgt Ion:252 Resp: 78037

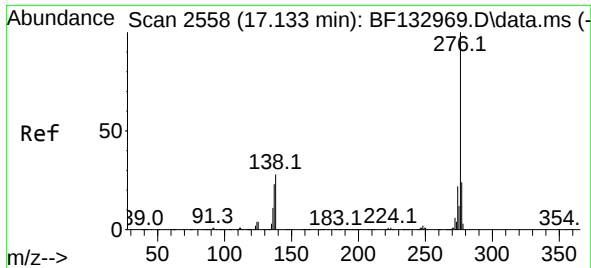
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

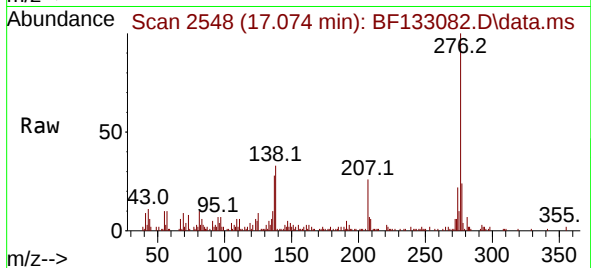
125 14.4 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.080 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF133082.D
 Acq: 27 Apr 2023 00:05

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201



Tgt Ion:	276	Resp:	38365
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.0
138	32.6	22.7	34.1

