

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
 Data File : BP009515.D
 Acq On : 23 Mar 2022 20:19
 Operator : CG/JU
 Sample : N2070-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-212

Quant Time: Mar 24 01:22:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 01:19:11 2022
 Response via : Initial Calibration

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

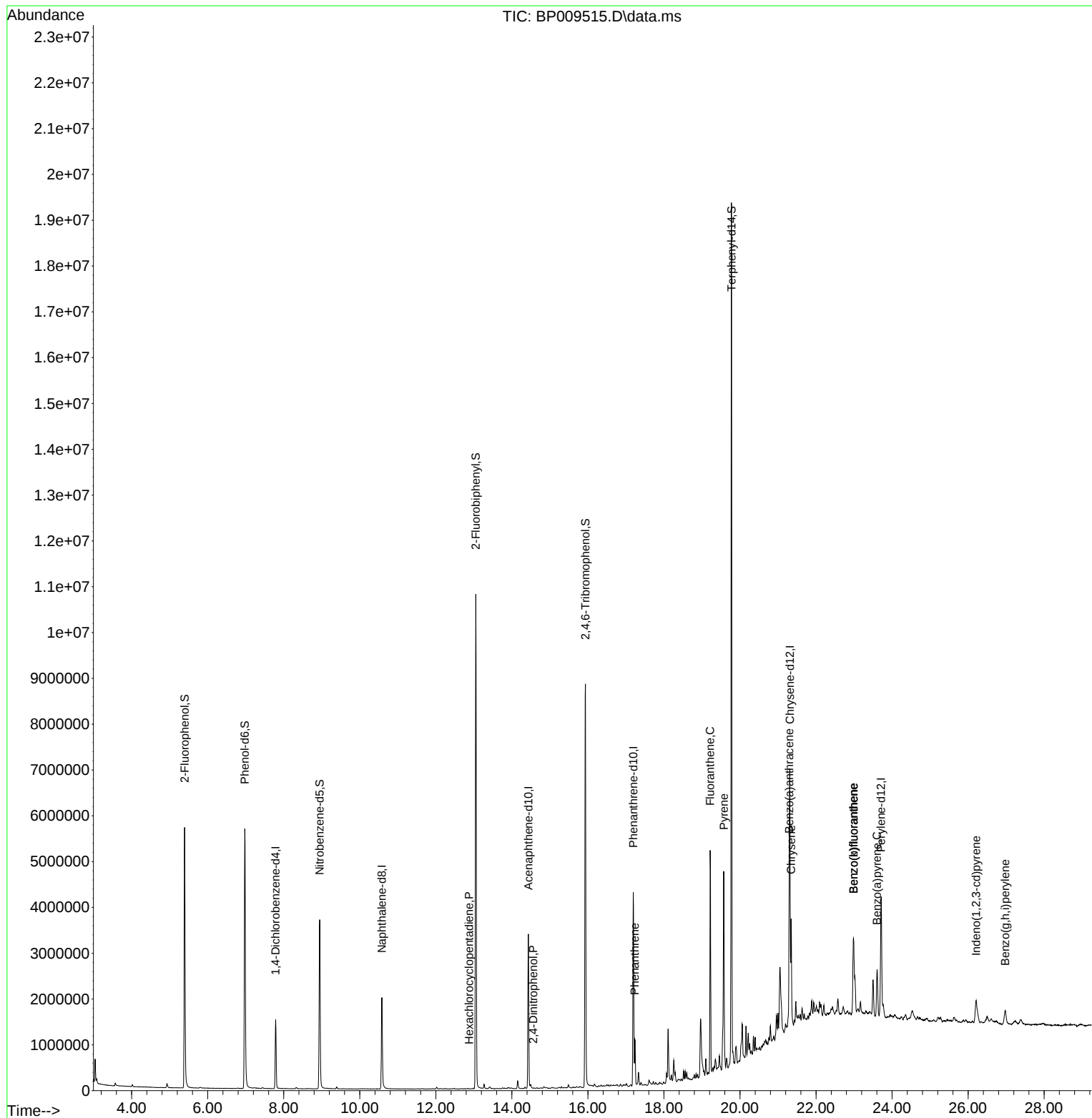
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	458868	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1963583	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	1325913	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	2846908	20.000	ng	0.00
76) Chrysene-d12	21.310	240	2451027	20.000	ng	0.00
86) Perylene-d12	23.710	264	2110631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2980990	113.423	ng	0.00
7) Phenol-d6	6.975	99	3973389	111.792	ng	0.00
23) Nitrobenzene-d5	8.946	82	2527506	68.402	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	2069979	94.607	ng	0.00
45) 2-Fluorobiphenyl	13.051	172	6044000	63.192	ng	0.00
79) Terphenyl-d14	19.775	244	9575702	70.123	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.975	77	10286	Below Cal	#	22
41) Hexachlorocyclopentadiene	12.875	237	23	7.289	ng	89
54) 2,4-Dinitrophenol	14.563	184	27	4.535	ng	# 1
71) Phenanthrene	17.234	178	664257	4.359	ng	99
75) Fluoranthene	19.216	202	2998206	16.251	ng	99
78) Pyrene	19.575	202	2891028	17.900	ng	100
81) Benzo(a)anthracene	21.292	228	1439820	8.941	ng	98
83) Chrysene	21.345	228	1470794	9.646	ng	98
87) Indeno(1,2,3-cd)pyrene	26.210	276	483270	3.018	ng	# 93
88) Benzo(b)fluoranthene	22.986	252	2063698	16.379	ng	99
89) Benzo(k)fluoranthene	22.986	252	2063698	16.728	ng	99
90) Benzo(a)pyrene	23.604	252	845854	7.846	ng	98
92) Benzo(g,h,i)perylene	26.974	276	442452	3.370	ng	99

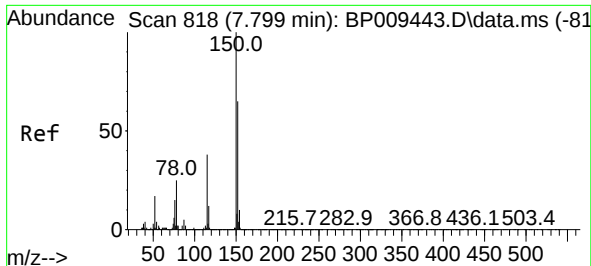
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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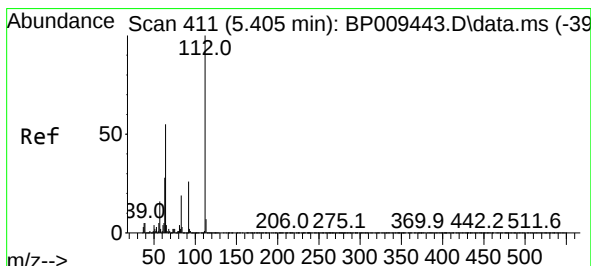
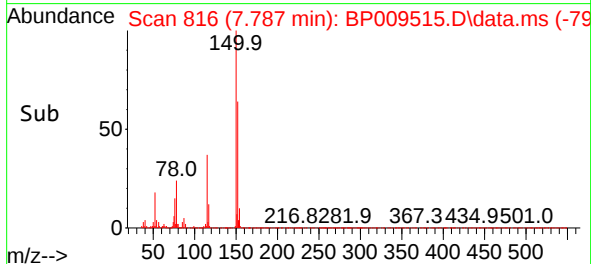
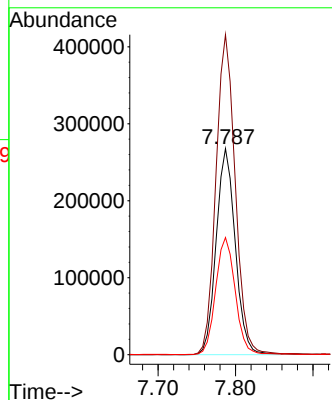
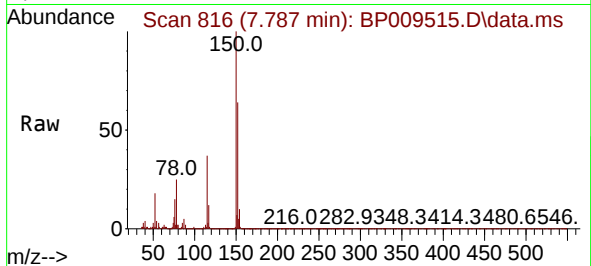




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

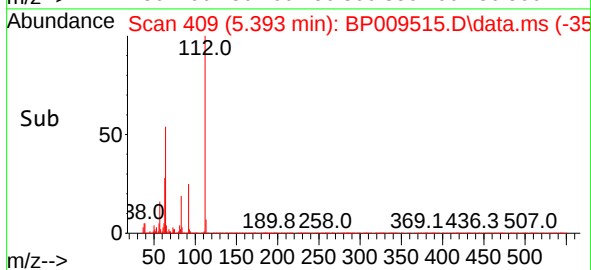
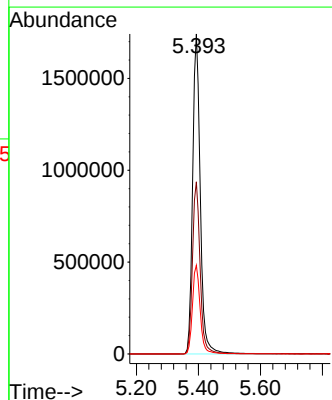
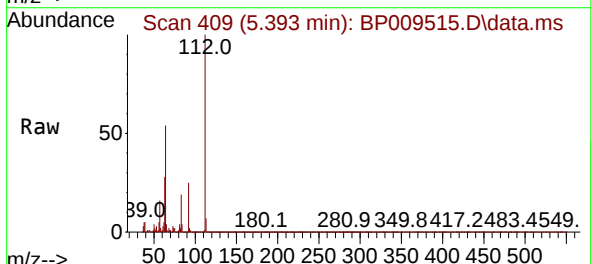
Instrument :
BNA_P
ClientSampleId :
VNJ-212

Tgt Ion:152 Resp: 458868
Ion Ratio Lower Upper
152 100
150 155.3 124.5 186.7
115 56.9 48.2 72.4



#5
2-Fluorophenol
Concen: 113.423 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:112 Resp: 2980990
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 27.7 23.0 34.6

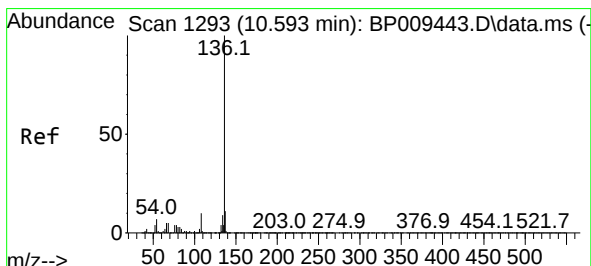
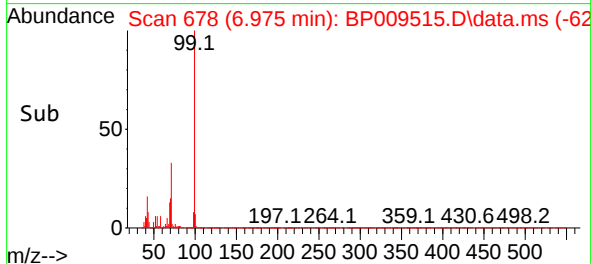
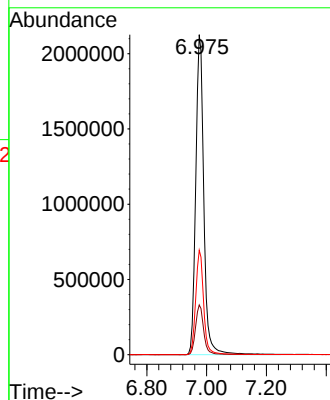
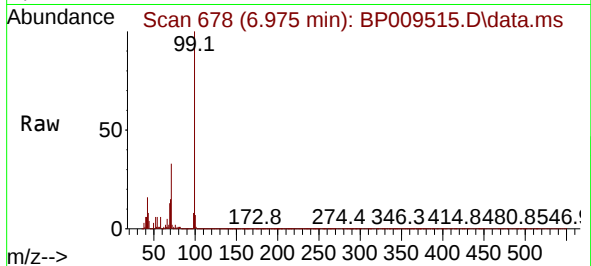




#7
Phenol-d6
Concen: 111.792 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

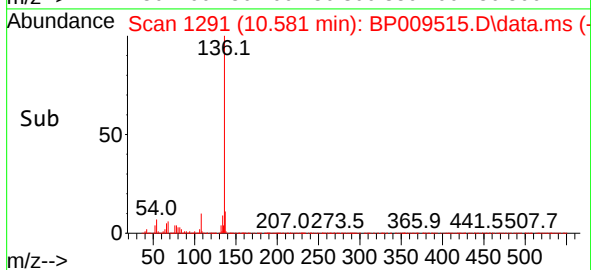
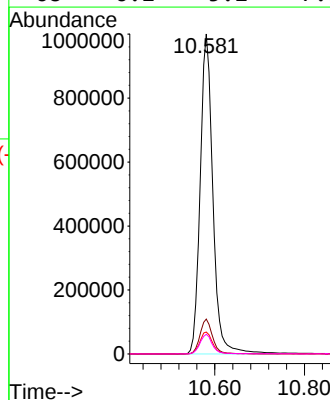
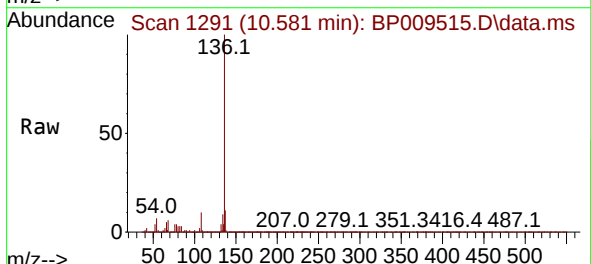
Instrument :
BNA_P
ClientSampleId :
VNJ-212

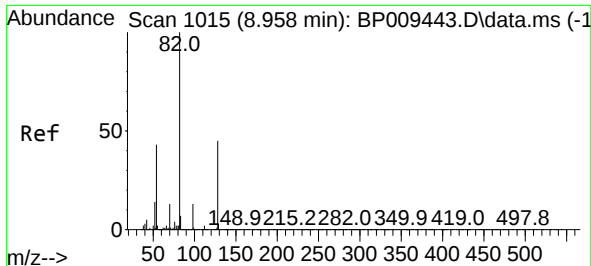
Tgt Ion: 99 Resp: 3973389
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.7 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion: 136 Resp: 1963583
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8

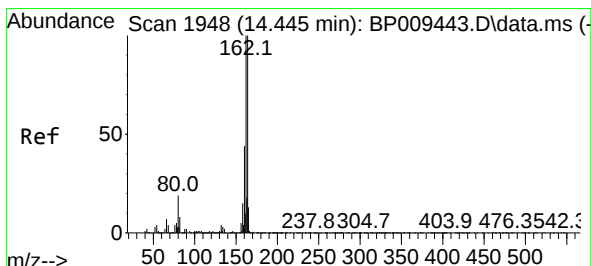
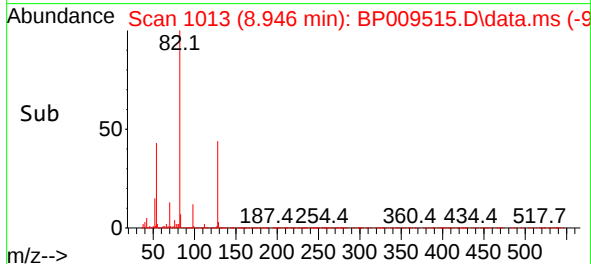
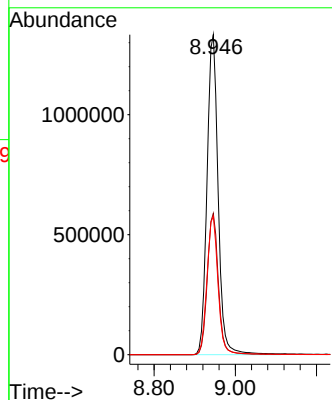
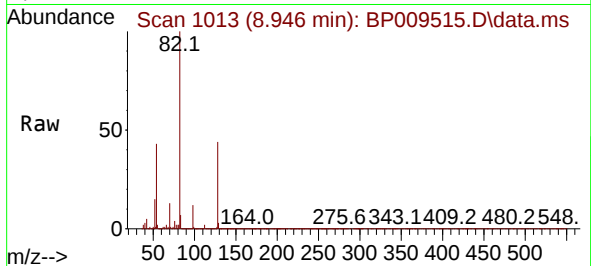




#23
 Nitrobenzene-d5
 Concen: 68.402 ng
 RT: 8.946 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: BP009515.D
 Acq: 23 Mar 2022 20:19

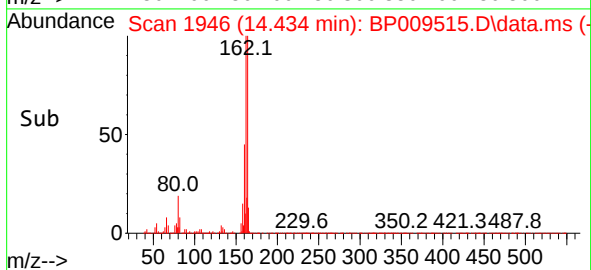
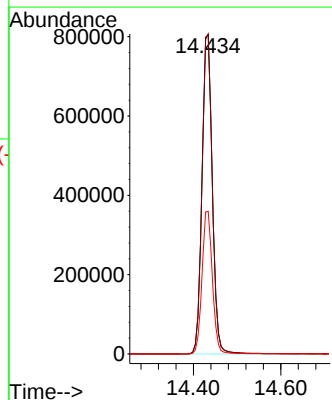
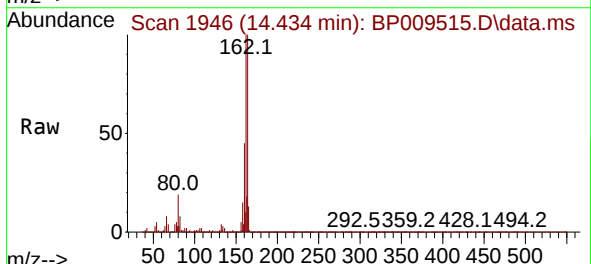
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-212

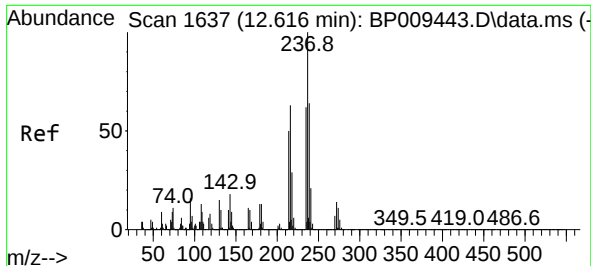
Tgt Ion: 82 Resp: 2527506
 Ion Ratio Lower Upper
 82 100
 128 44.2 34.2 51.4
 54 43.3 34.7 52.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.434 min Scan# 1946
 Delta R.T. 0.000 min
 Lab File: BP009515.D
 Acq: 23 Mar 2022 20:19

Tgt Ion:164 Resp: 1325913
 Ion Ratio Lower Upper
 164 100
 162 100.3 79.1 118.7
 160 44.7 34.9 52.3

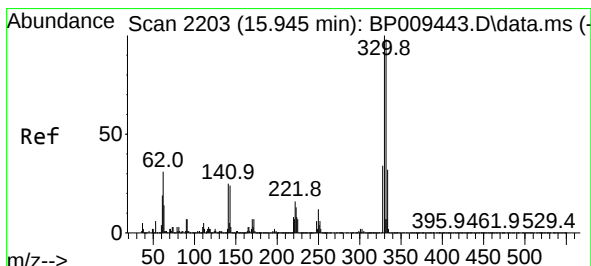
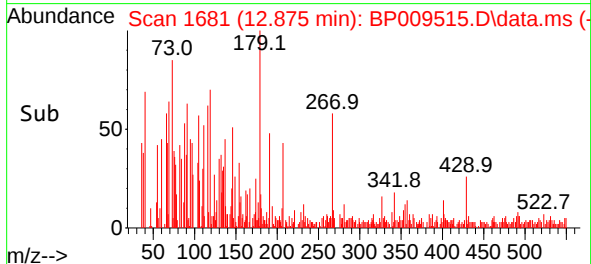
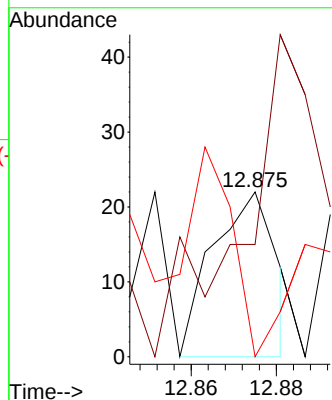
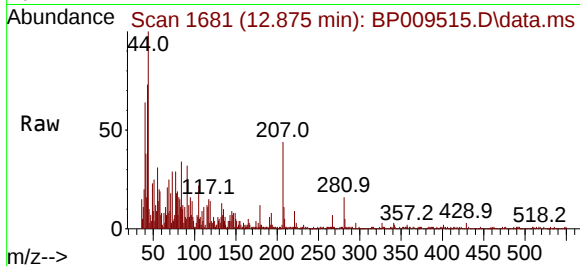




#41
Hexachlorocyclopentadiene
Concen: 7.289 ng
RT: 12.875 min Scan# 1
Delta R.T. 0.271 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

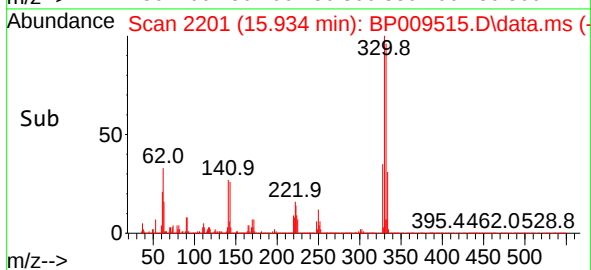
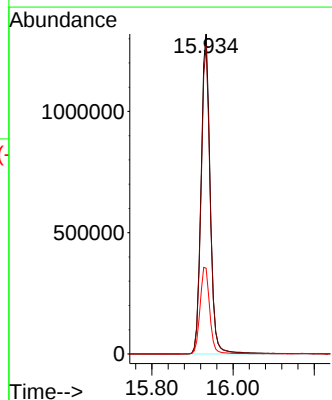
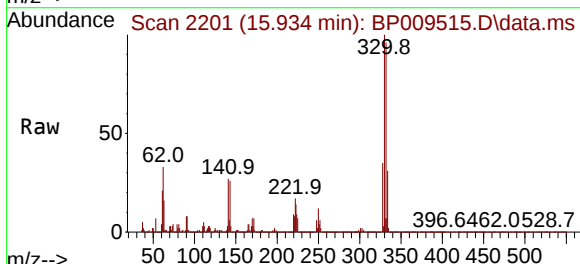
Instrument :
BNA_P
ClientSampleId :
VNJ-212

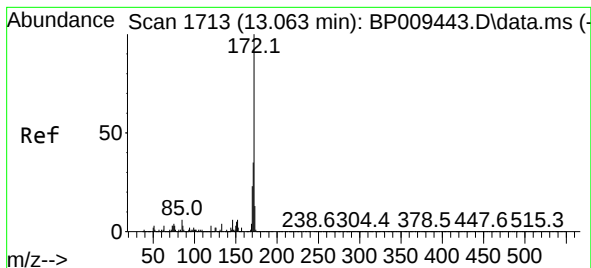
Tgt Ion:	237	Resp:	23
Ion	Ratio	Lower	Upper
237	100		
235	68.2	42.6	82.6
272	0.0	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 94.607 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:	330	Resp:	2069979
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	28.8	27.6	41.4





#45

2-Fluorobiphenyl

Concen: 63.192 ng

RT: 13.051 min Scan# 1711

Delta R.T. -0.006 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

Instrument :

BNA_P

ClientSampleId :

VNJ-212

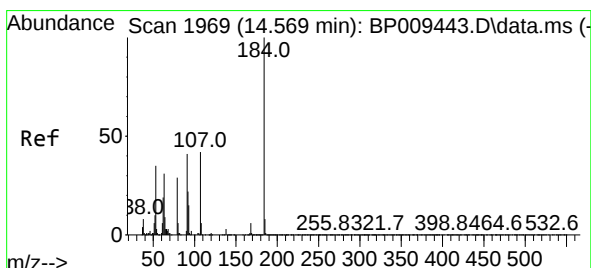
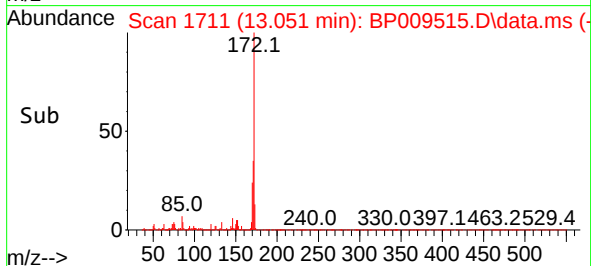
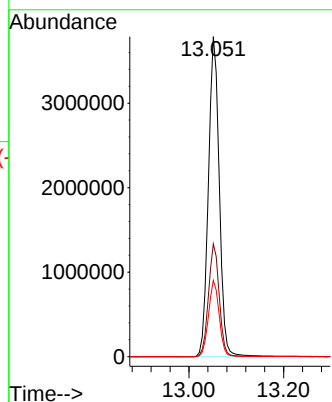
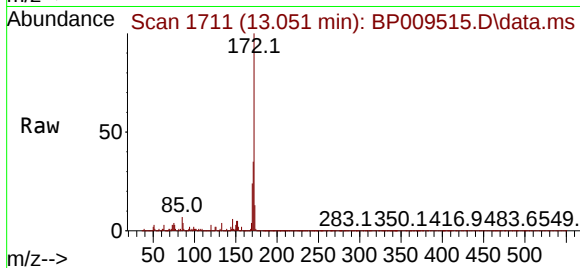
Tgt Ion:172 Resp: 6044000

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.8 18.6 27.8



#54

2,4-Dinitrophenol

Concen: 4.535 ng

RT: 14.563 min Scan# 1968

Delta R.T. 0.000 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

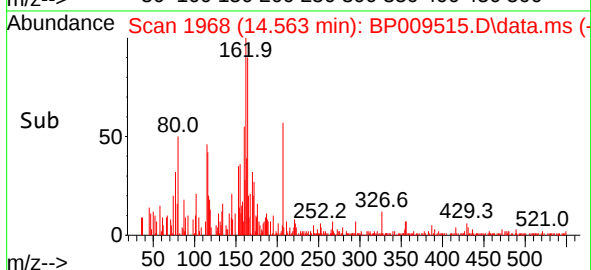
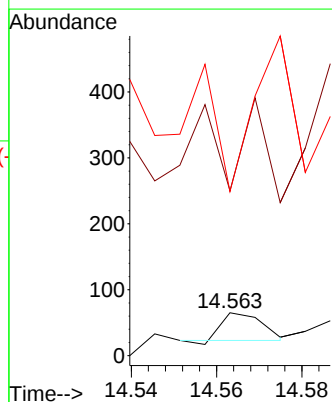
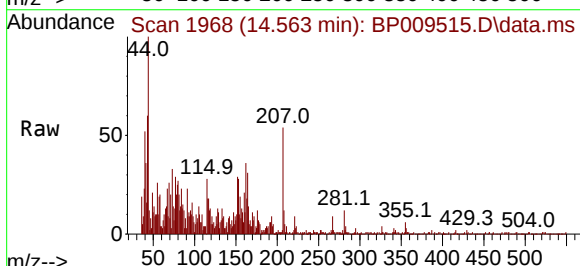
Tgt Ion:184 Resp: 27

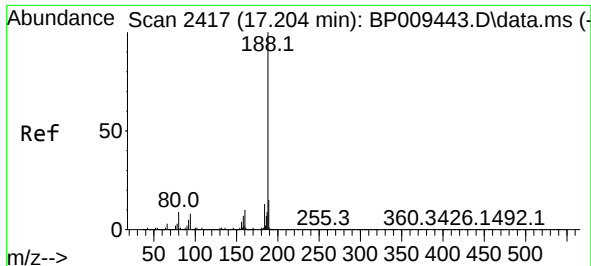
Ion Ratio Lower Upper

184 100

63 384.6 46.3 69.5#

154 383.1 45.8 68.6#

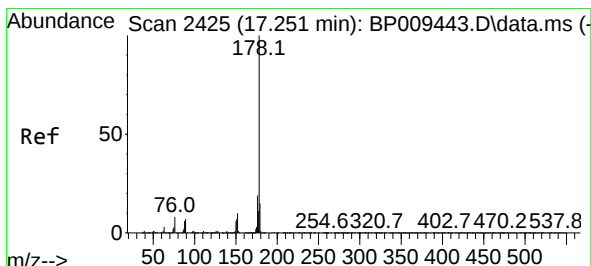
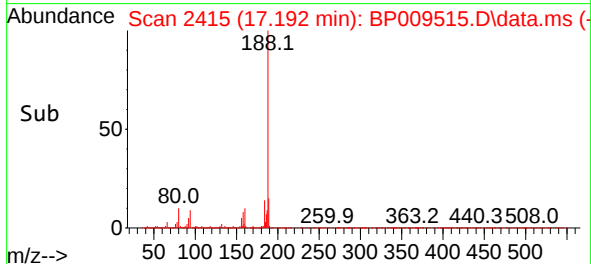
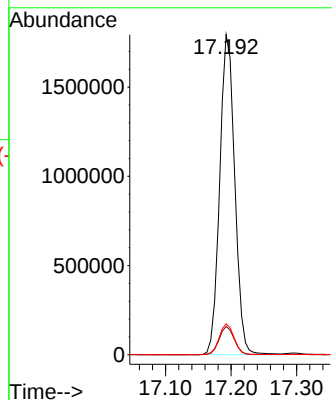
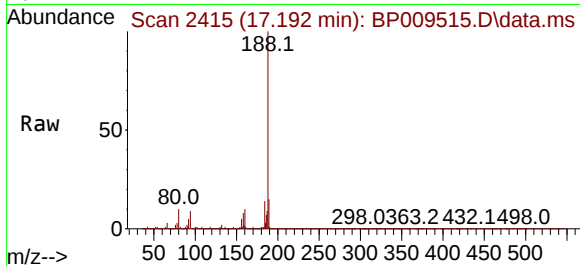




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

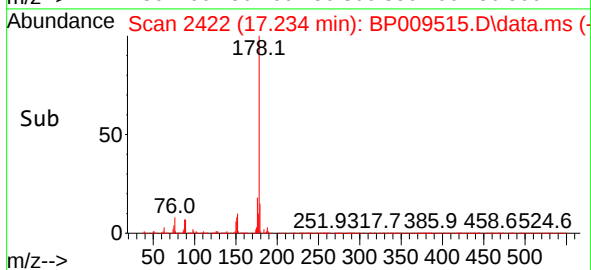
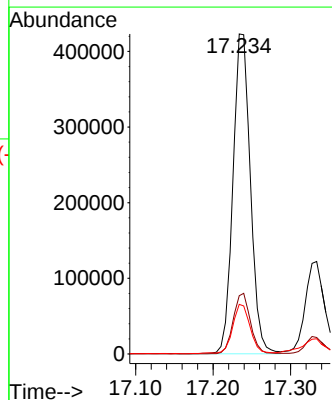
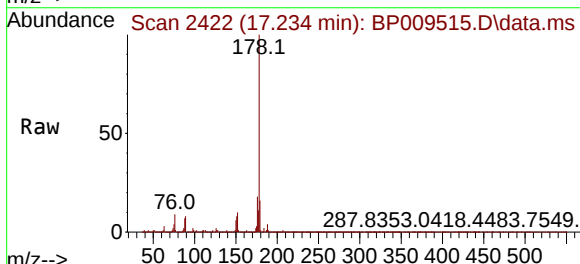
Instrument :
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VNJ-212

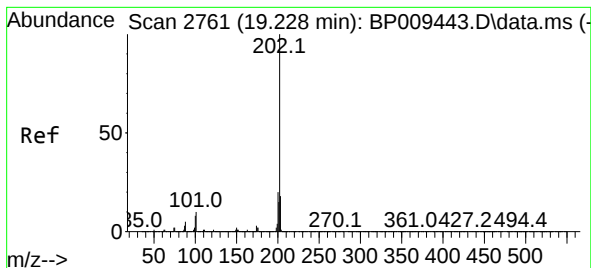
Tgt Ion:188 Resp: 2846908
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.6 8.8 13.2



#71
Phenanthrene
Concen: 4.359 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:178 Resp: 664257
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.5 12.3 18.5





#75

Fluoranthene

Concen: 16.251 ng

RT: 19.216 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

Instrument :

BNA_P

ClientSampleId :

VNJ-212

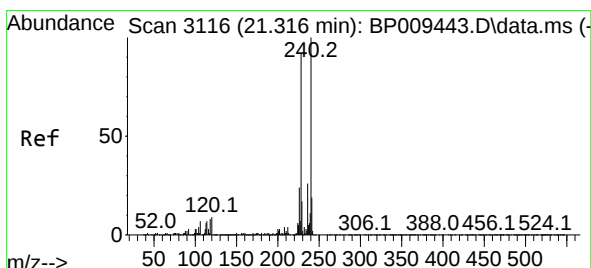
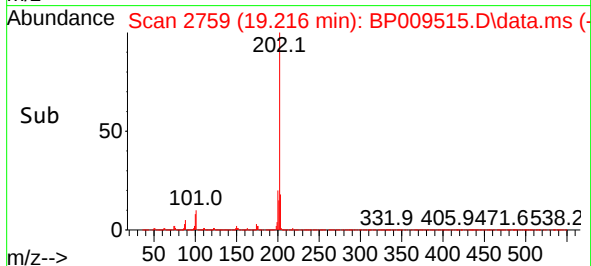
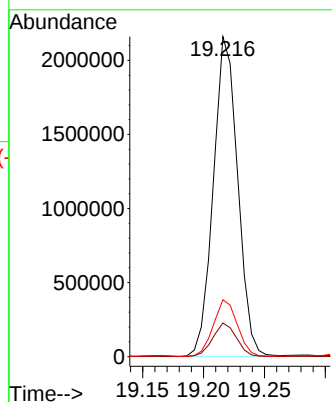
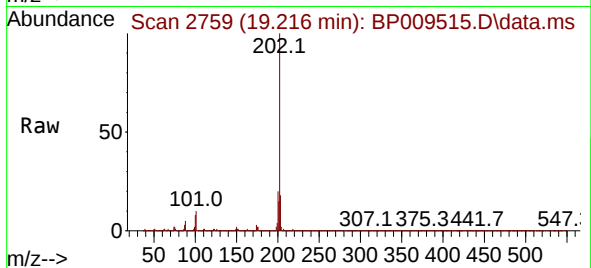
Tgt Ion:202 Resp: 2998206

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.5

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.310 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

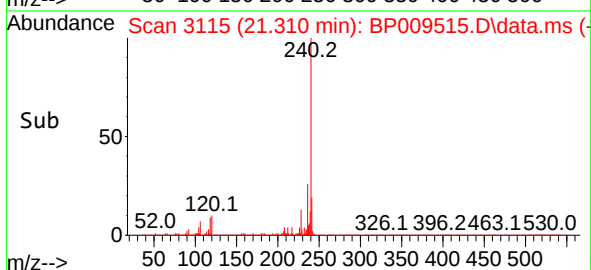
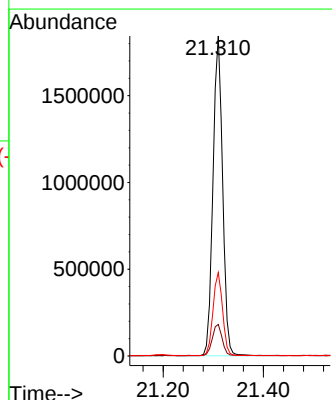
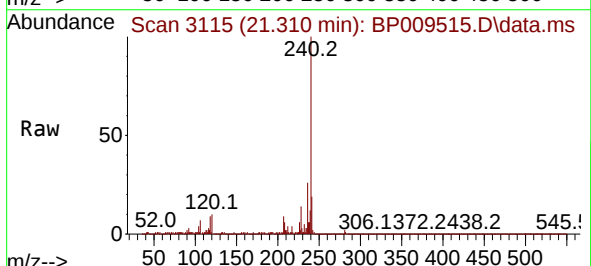
Tgt Ion:240 Resp: 2451027

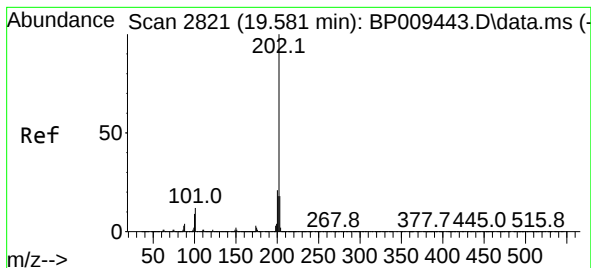
Ion Ratio Lower Upper

240 100

120 9.9 9.0 13.4

236 26.1 20.6 30.8





#78

Pyrene

Concen: 17.900 ng

RT: 19.575 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

Instrument :

BNA_P

ClientSampleId :

VNJ-212

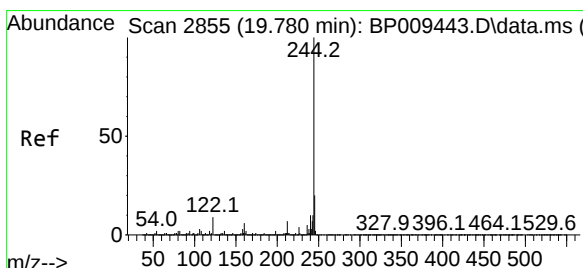
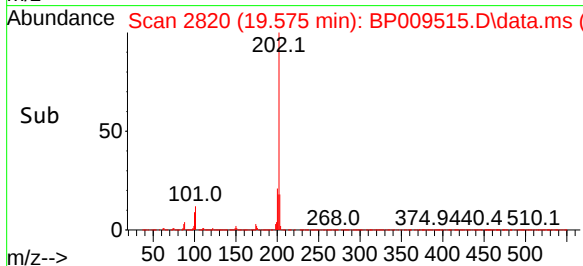
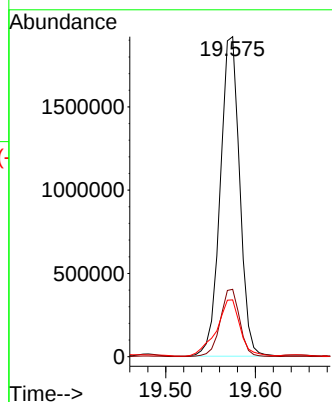
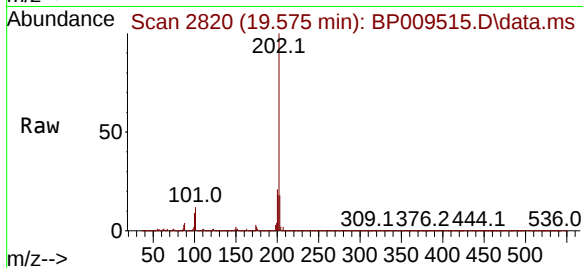
Tgt Ion:202 Resp: 2891028

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.8 14.2 21.4



#79

Terphenyl-d14

Concen: 70.123 ng

RT: 19.775 min Scan# 2854

Delta R.T. -0.006 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

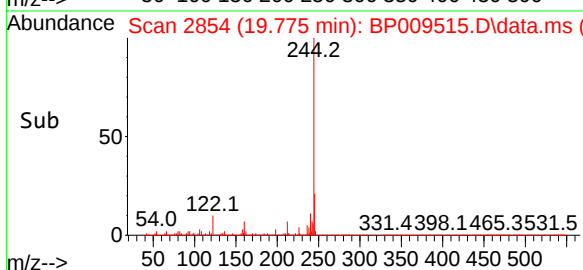
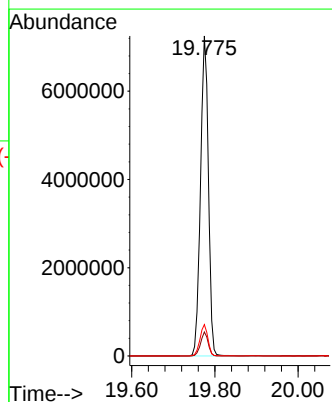
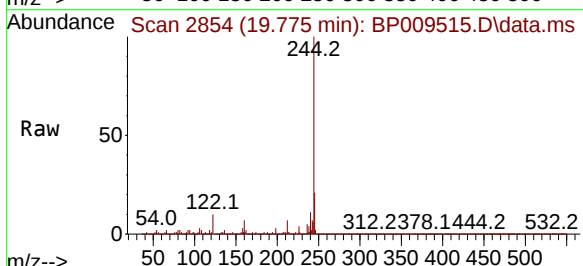
Tgt Ion:244 Resp: 9575702

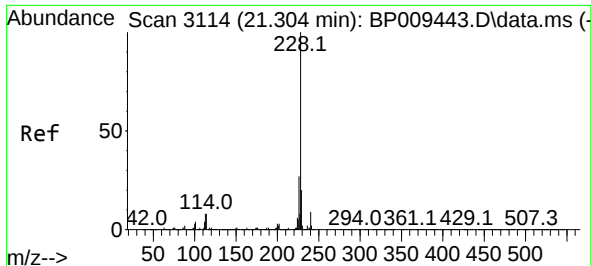
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 9.8 8.3 12.5

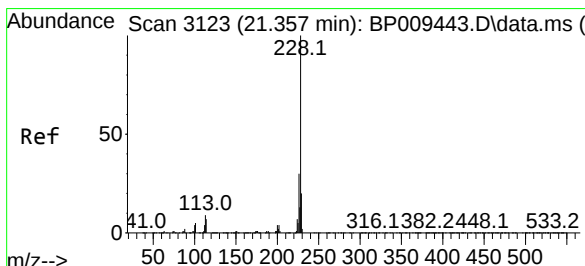
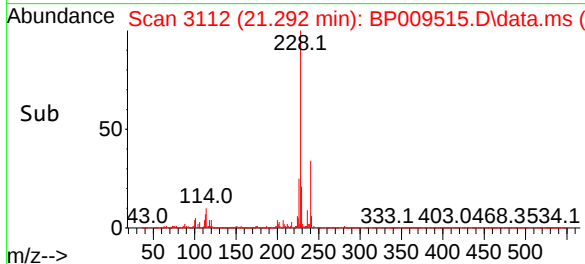
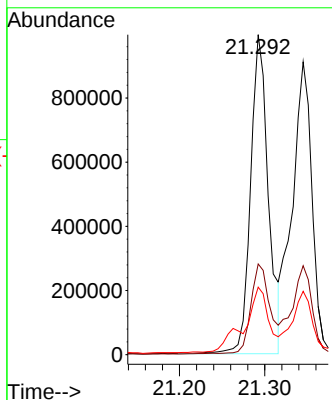
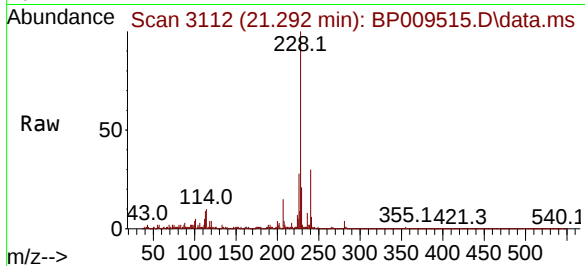




#81
Benzo(a)anthracene
Concen: 8.941 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

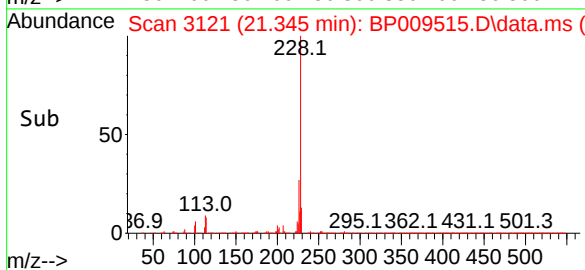
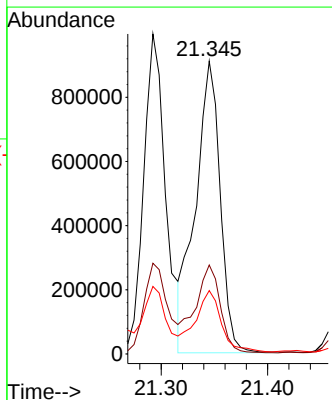
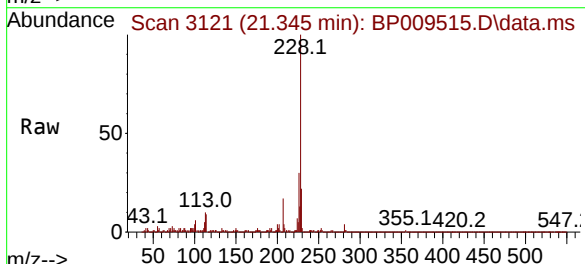
Instrument :
BNA_P
ClientSampleId :
VNJ-212

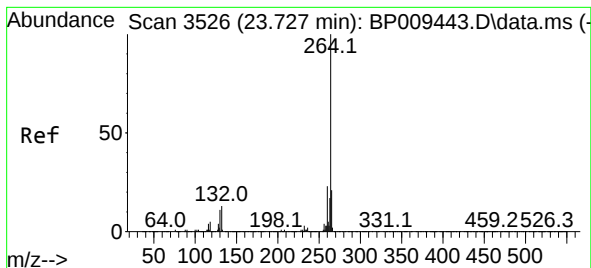
Tgt Ion:228 Resp: 1439820
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 21.1 16.1 24.1



#83
Chrysene
Concen: 9.646 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:228 Resp: 1470794
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.710 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

Instrument :

BNA_P

ClientSampleId :

VNJ-212

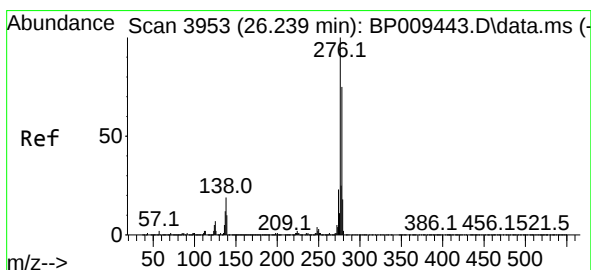
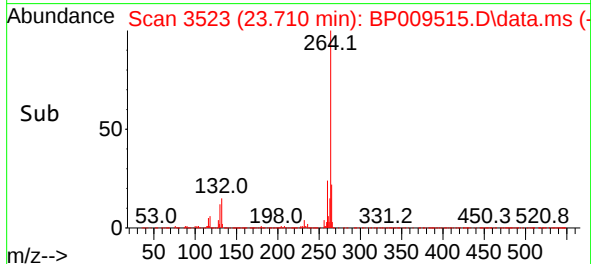
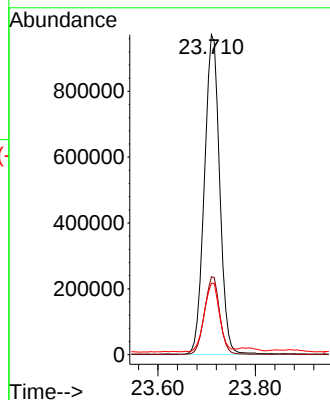
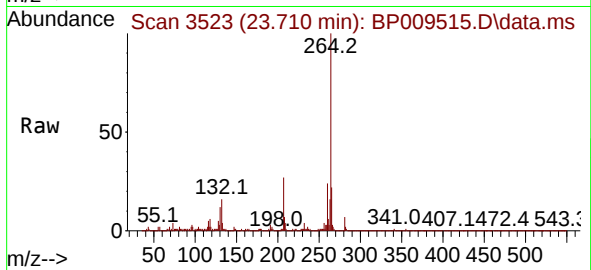
Tgt Ion:264 Resp: 2110631

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 22.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.018 ng

RT: 26.210 min Scan# 3948

Delta R.T. -0.017 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

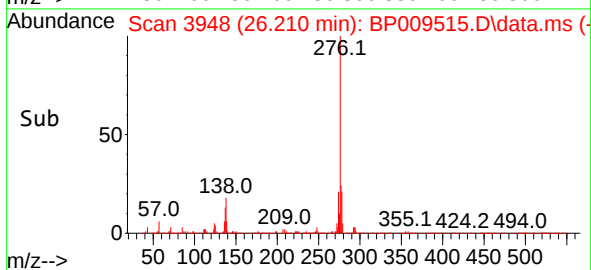
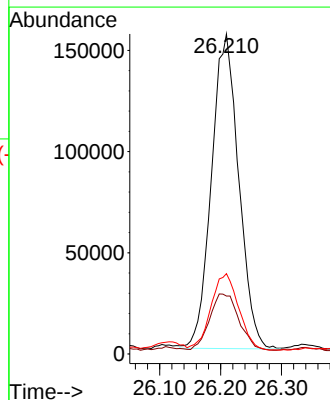
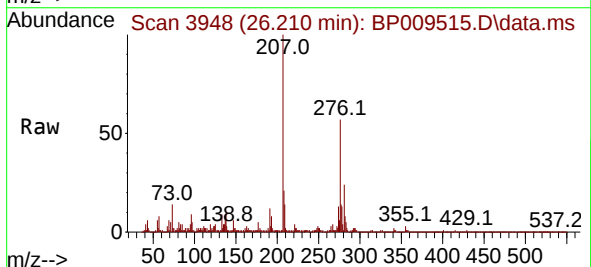
Tgt Ion:276 Resp: 483270

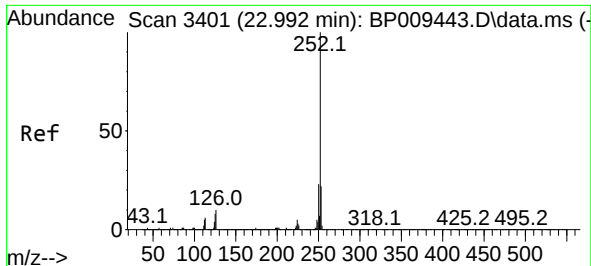
Ion Ratio Lower Upper

276 100

138 19.5 20.5 30.7#

277 24.6 20.4 30.6

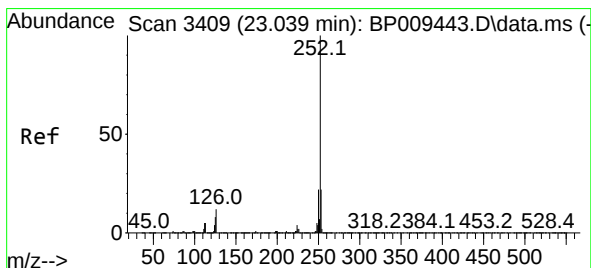
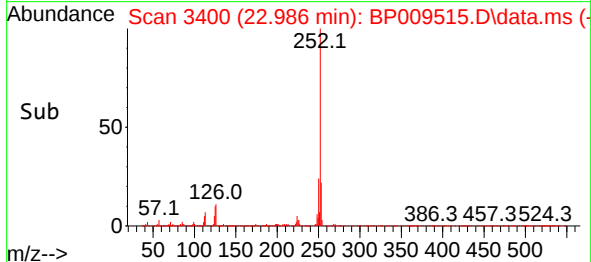
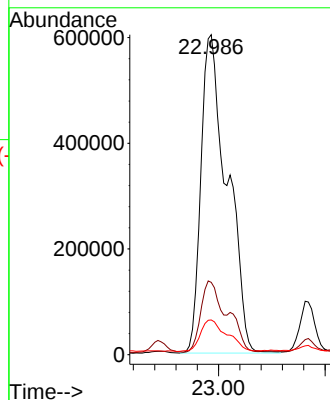
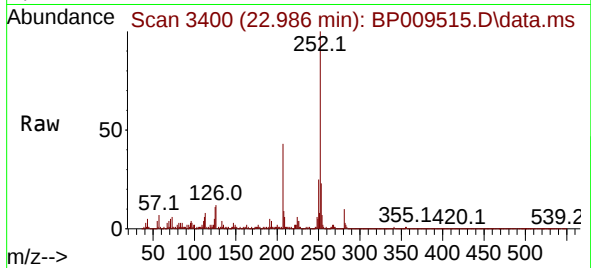




#88
Benzo(b)fluoranthene
Concen: 16.379 ng
RT: 22.986 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

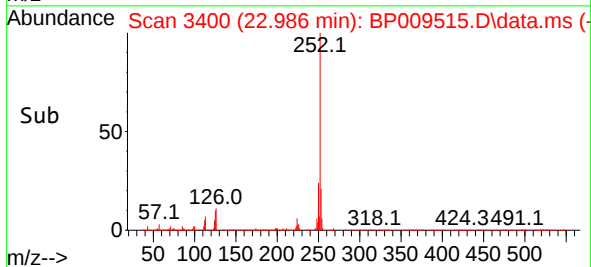
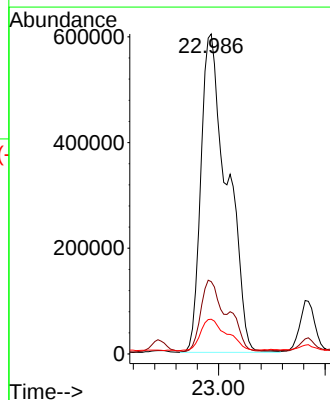
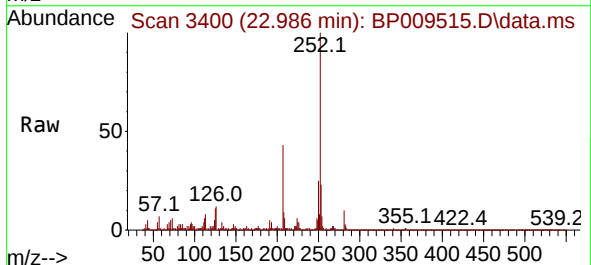
Instrument :
BNA_P
ClientSampleId :
VNJ-212

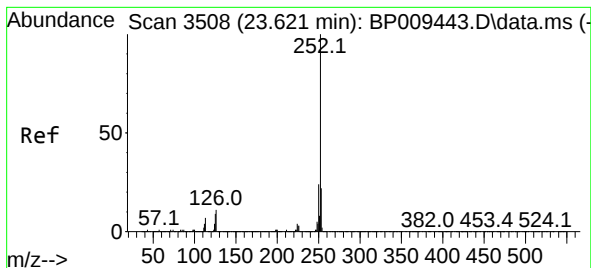
Tgt Ion:252 Resp: 2063698
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 16.728 ng
RT: 22.986 min Scan# 3400
Delta R.T. -0.053 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:252 Resp: 2063698
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 10.8 8.3 12.5





#90

Benzo(a)pyrene

Concen: 7.846 ng

RT: 23.604 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

Instrument :

BNA_P

ClientSampleId :

VNJ-212

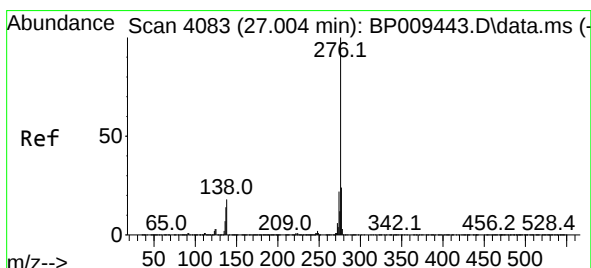
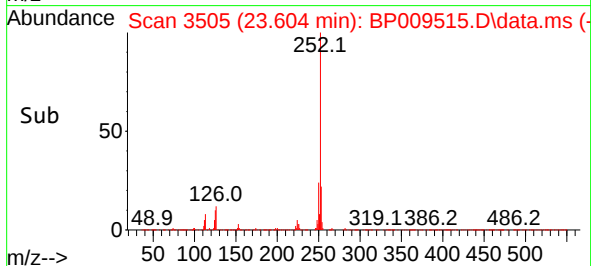
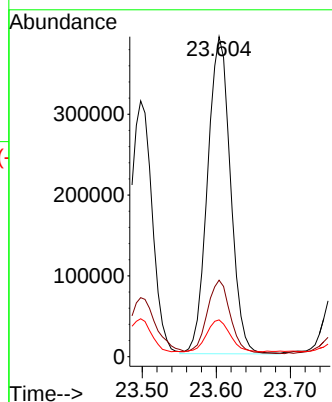
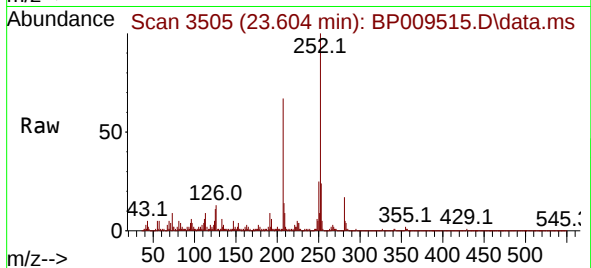
Tgt Ion:252 Resp: 845854

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 11.5 9.3 13.9



#92

Benzo(g,h,i)perylene

Concen: 3.370 ng

RT: 26.974 min Scan# 4078

Delta R.T. -0.011 min

Lab File: BP009515.D

Acq: 23 Mar 2022 20:19

Tgt Ion:276 Resp: 442452

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 21.4 18.0 27.0

