

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
 Data File : BP003307.D
 Acq On : 16 Sep 2020 18:09
 Operator : CG/JU
 Sample : L4019-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-220

Quant Time: Sep 16 19:04:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 13:18:39 2020
 Response via : Initial Calibration

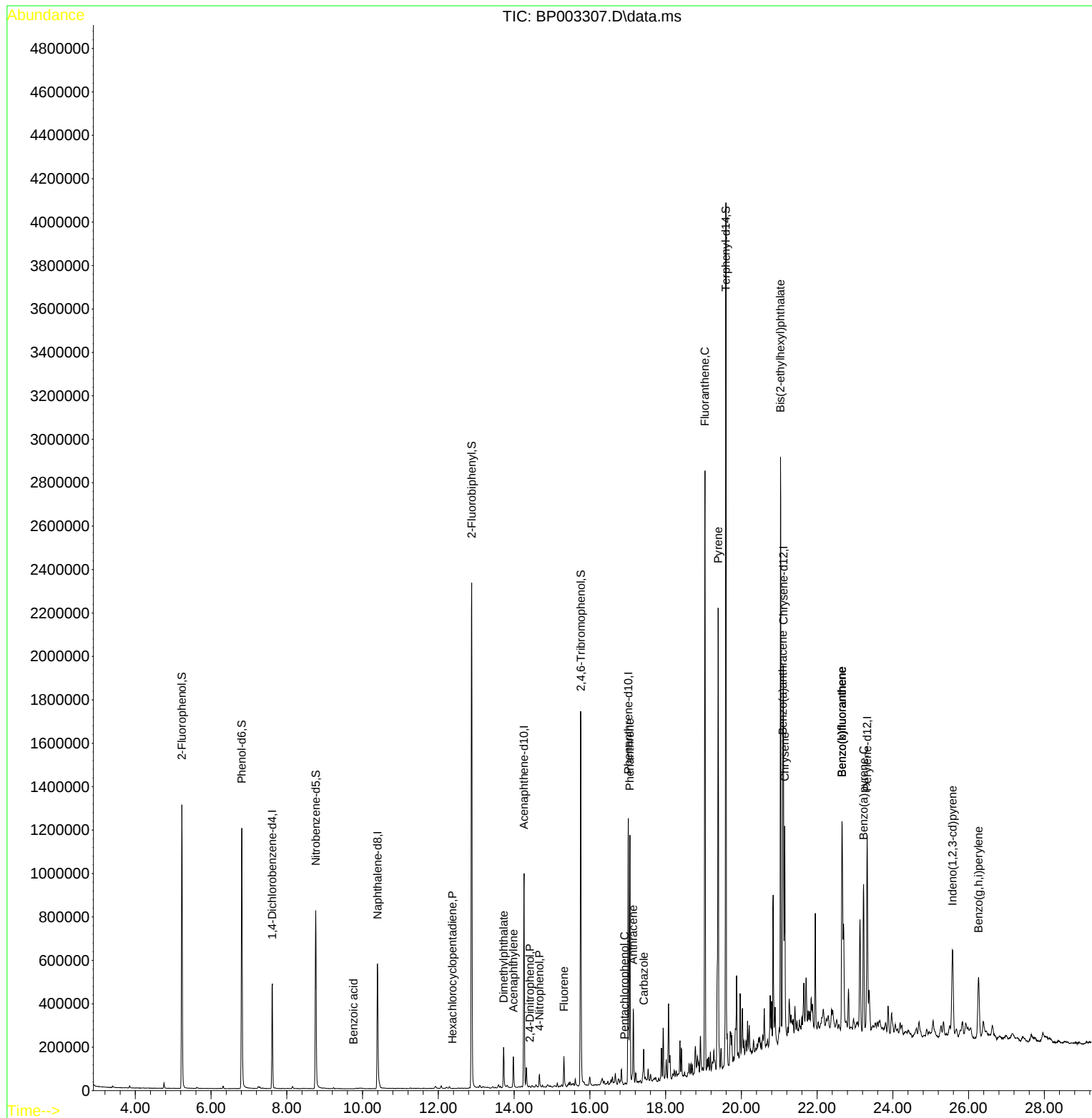
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	139759	20.00	ng	0.00
21) Naphthalene-d8	10.393	136	551328	20.00	ng	0.00
39) Acenaphthene-d10	14.263	164	344799	20.00	ng	0.00
64) Phenanthrene-d10	17.016	188	740140	20.00	ng	0.00
76) Chrysene-d12	21.110	240	623760	20.00	ng	0.00
86) Perylene-d12	23.321	264	619642	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	647408	80.89	ng	0.00
7) Phenol-d6	6.810	99	807985	75.74	ng	0.00
23) Nitrobenzene-d5	8.763	82	530620	56.54	ng	0.00
42) 2,4,6-Tribromophenol	15.763	330	376373	71.57	ng	0.00
45) 2-Fluorobiphenyl	12.881	172	1292005	54.80	ng	0.00
79) Terphenyl-d14	19.592	244	1797852	60.05	ng	0.00
Target Compounds						
32) Benzoic acid	9.757	122	24	9.16	ng	Qvalue # 27
41) Hexachlorocyclopentadiene	12.375	237	31	6.85	ng	80
49) Acenaphthylene	13.981	152	110122	3.38	ng	98
50) Dimethylphthalate	13.722	163	135342	4.92	ng	100
54) 2,4-Dinitrophenol	14.416	184	8	7.25	ng	# 1
56) 4-Nitrophenol	14.669	139	13763	3.52	ng	# 22
58) Fluorene	15.316	166	62349	2.50	ng	98
70) Pentachlorophenol	16.916	266	41	6.78	ng	98
71) Phenanthrene	17.057	178	673064	16.71	ng	100
72) Anthracene	17.145	178	216558	5.46	ng	100
73) Carbazole	17.422	167	91585	2.43	ng	99
75) Fluoranthene	19.039	202	1629213	32.18	ng	100
78) Pyrene	19.386	202	1283079	32.98	ng	100
81) Benzo(a)anthracene	21.092	228	539827	13.39	ng	98
83) Chrysene	21.145	228	553495	14.29	ng	98
84) Bis(2-ethylhexyl)phtha...	21.033	149	1064608	42.49	ng	98
87) Indeno(1,2,3-cd)pyrene	25.574	276	362201	7.71	ng	95
88) Benzo(b)fluoranthene	22.657	252	995959	25.45	ng	98
89) Benzo(k)fluoranthene	22.657	252	995959	26.56	ng	99
90) Benzo(a)pyrene	23.227	252	465917	12.63	ng	98
92) Benzo(g,h,i)perylene	26.262	276	345811	8.94	ng	98

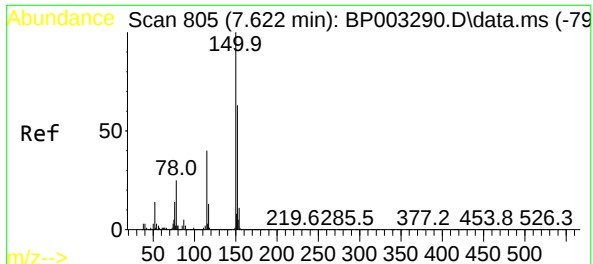
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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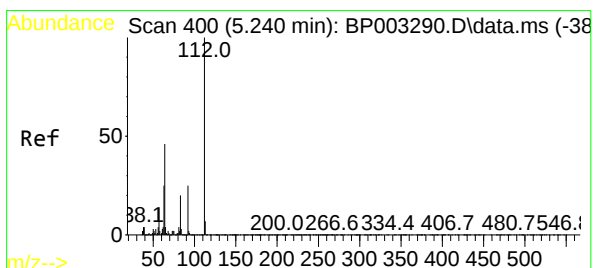
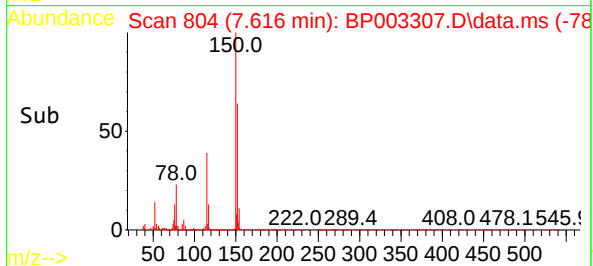
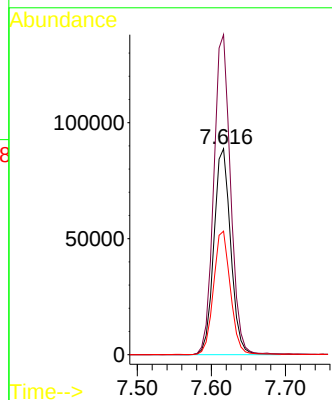
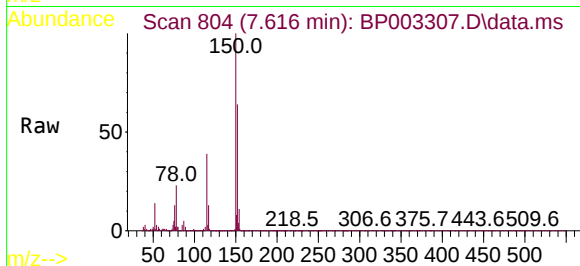




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.616 min Scan# 804
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

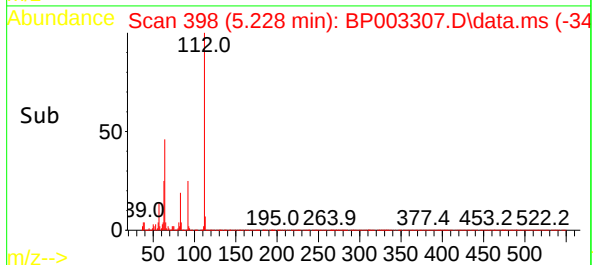
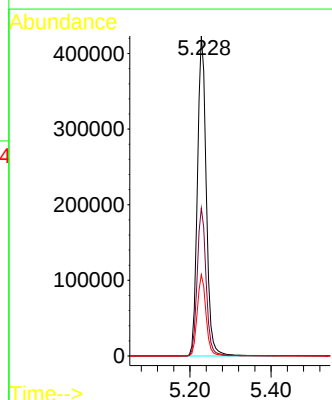
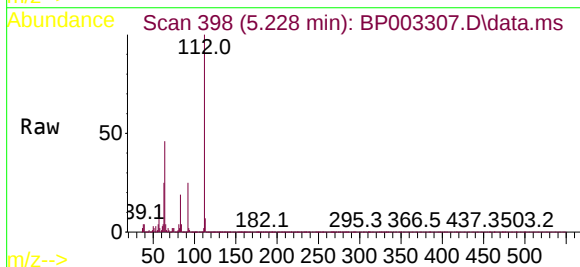
Instrument :
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VNJ-220

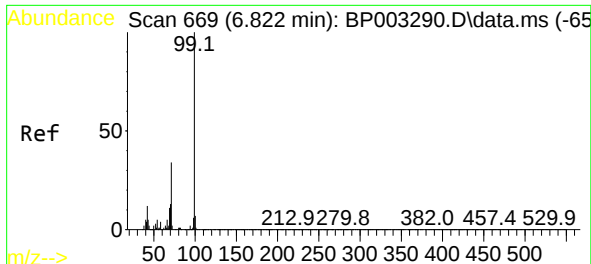
Tgt Ion:152 Resp: 139759
Ion Ratio Lower Upper
152 100
150 155.4 123.8 185.6
115 60.0 43.8 65.6



#5
2-Fluorophenol
Concen: 80.89 ng
RT: 5.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:112 Resp: 647408
Ion Ratio Lower Upper
112 100
64 46.2 32.8 49.2
63 25.4 17.0 25.4

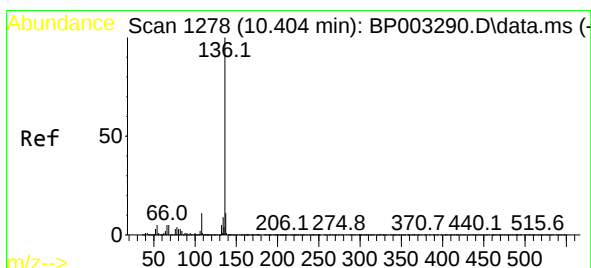
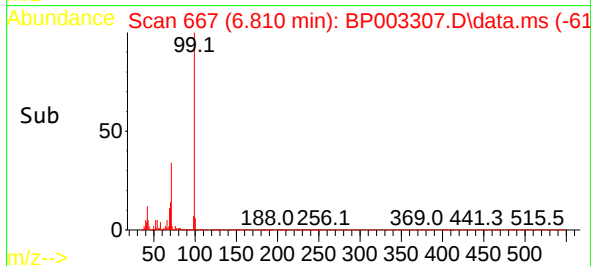
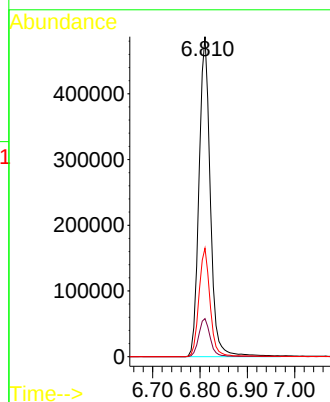
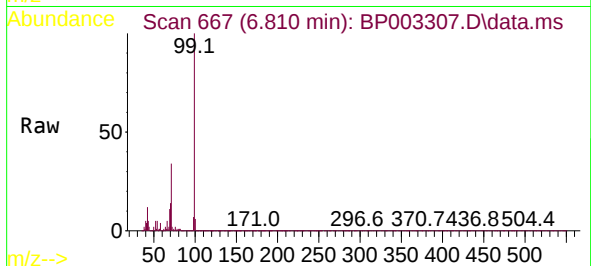




#7
Phenol-d6
Concen: 75.74 ng
RT: 6.810 min Scan# 667
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

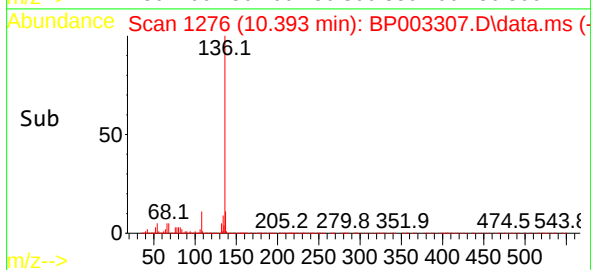
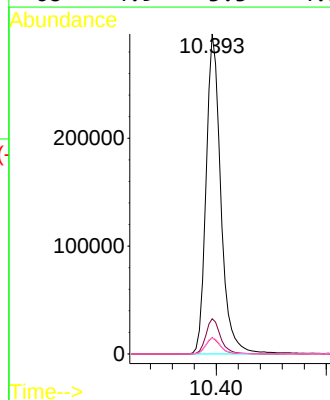
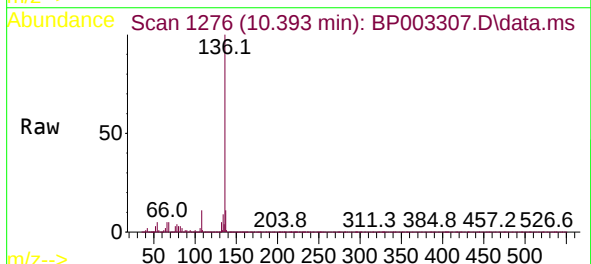
Instrument :
BNA_P
ClientSampleId :
VNJ-220

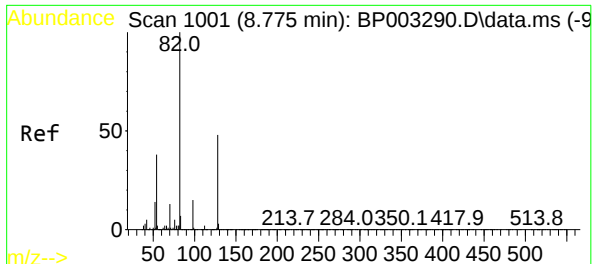
Tgt Ion: 99 Resp: 807985
Ion Ratio Lower Upper
99 100
42 11.9 8.6 13.0
71 33.9 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.393 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion: 136 Resp: 551328
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.1 3.6 5.4
68 4.9 3.3 4.9

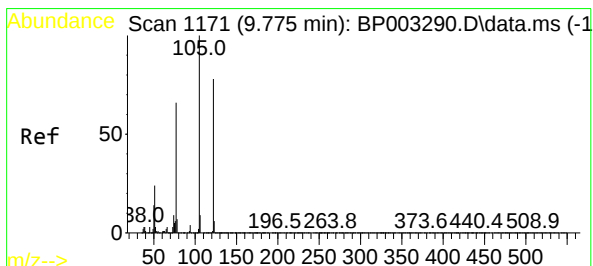
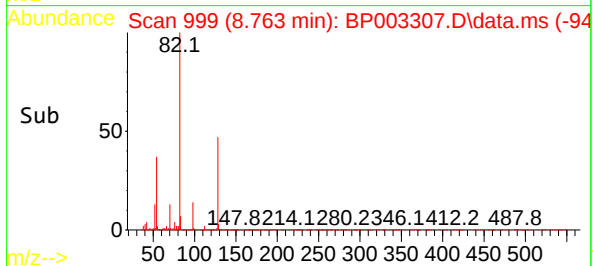
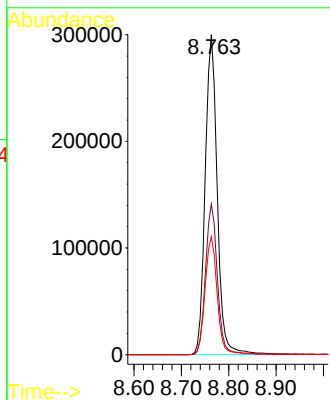
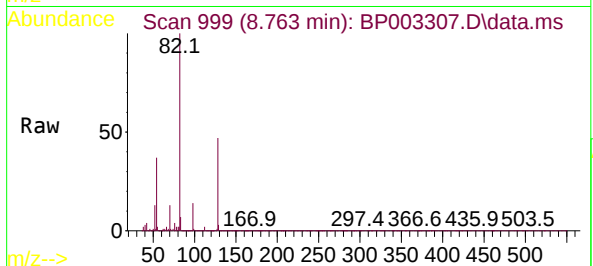




#23
Nitrobenzene-d5
Concen: 56.54 ng
RT: 8.763 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

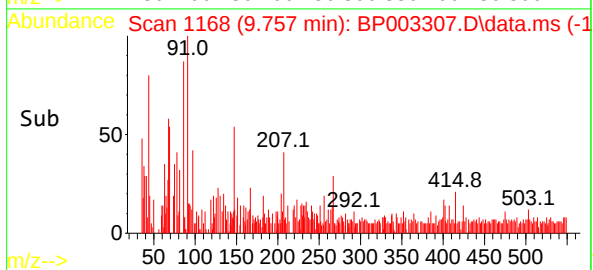
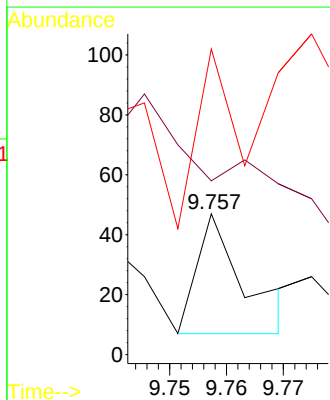
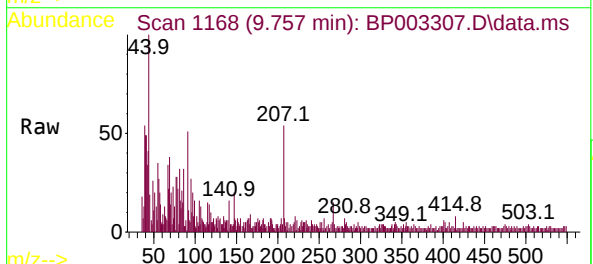
Instrument :
BNA_P
ClientSampleId :
VNJ-220

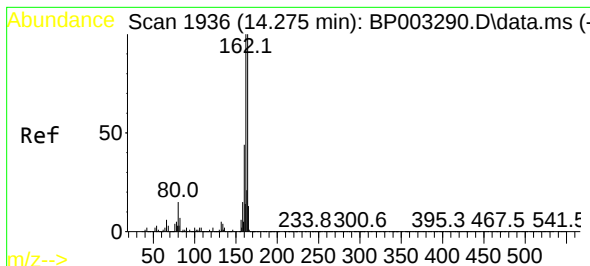
Tgt Ion: 82 Resp: 530620
Ion Ratio Lower Upper
82 100
128 47.1 45.6 68.4
54 36.9 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.757 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion: 122 Resp: 24
Ion Ratio Lower Upper
122 100
105 123.4 94.1 134.1
77 217.0 50.1 90.1#

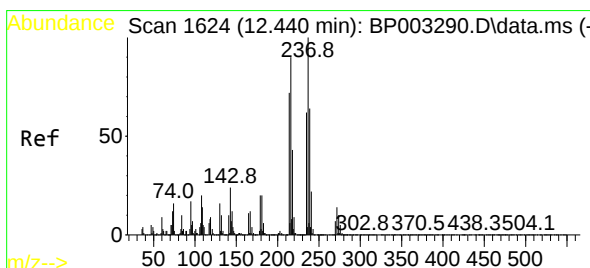
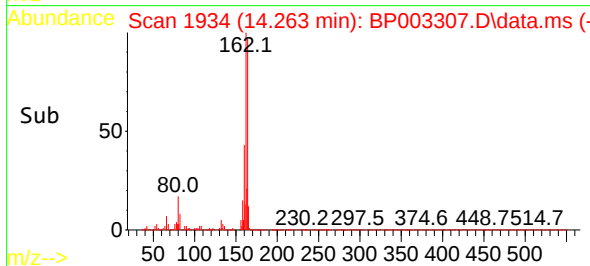
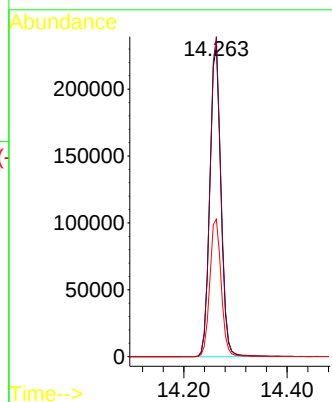
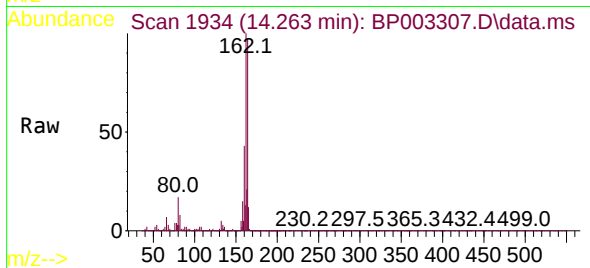




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.263 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

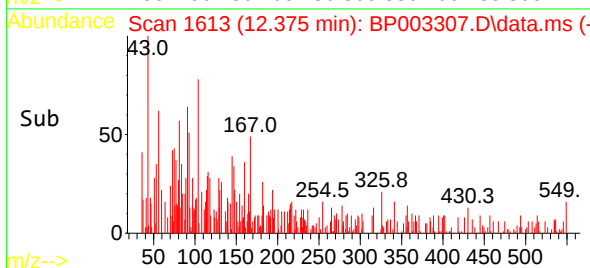
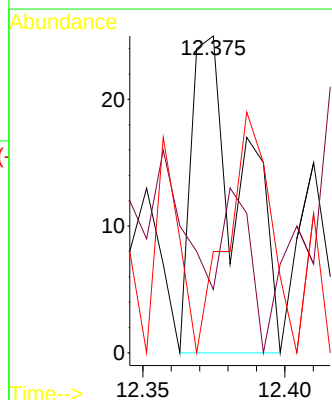
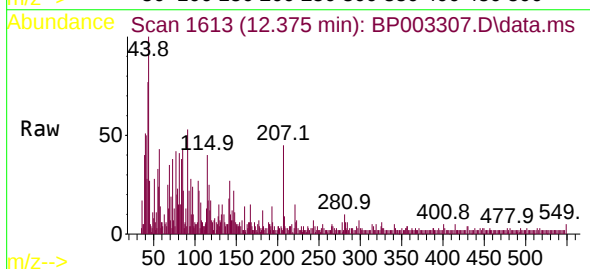
Instrument :
BNA_P
ClientSampleId :
VNJ-220

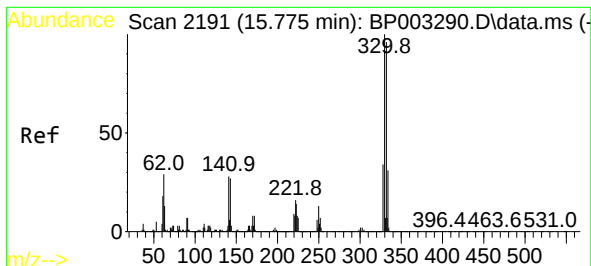
Tgt Ion:164 Resp: 344799
Ion Ratio Lower Upper
164 100
162 102.9 79.4 119.2
160 44.2 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.375 min Scan# 1613
Delta R.T. -0.053 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:237 Resp: 31
Ion Ratio Lower Upper
237 100
235 52.0 43.2 83.2
272 32.0 0.0 33.3

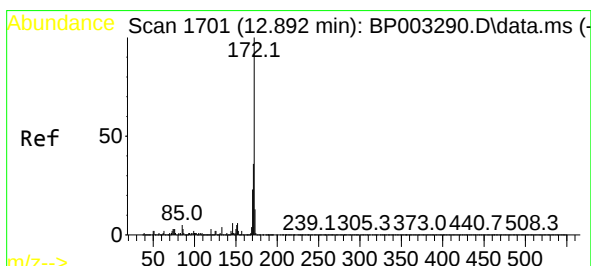
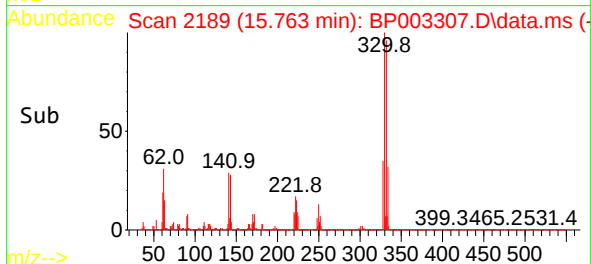
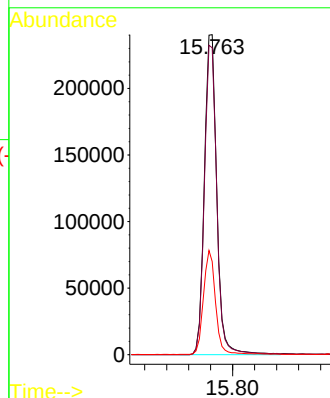
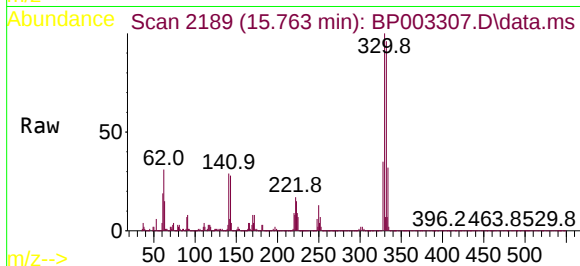




#42
2,4,6-Tribromophenol
Concen: 71.57 ng
RT: 15.763 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

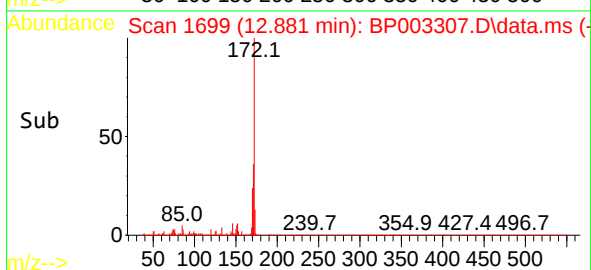
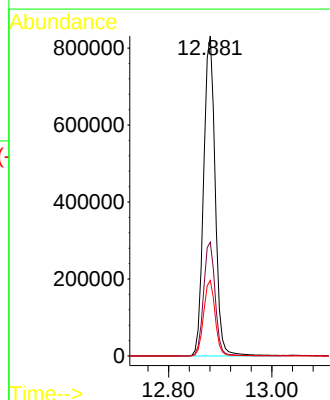
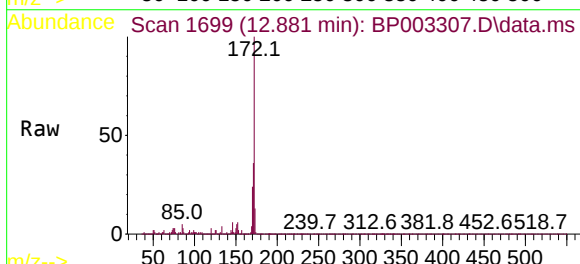
Instrument :
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ClientSampleId :
VNJ-220

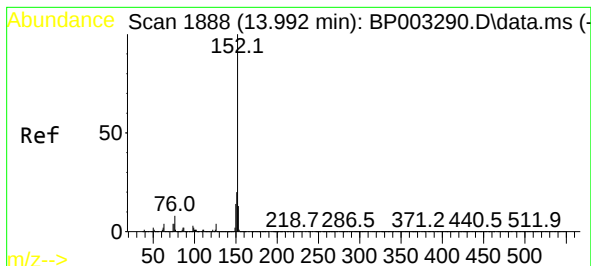
Tgt Ion:330 Resp: 376373
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 31.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 54.80 ng
RT: 12.881 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:172 Resp: 1292005
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.6 19.2 28.8





#49

Acenaphthylene

Concen: 3.38 ng

RT: 13.981 min Scan# 1886

Delta R.T. -0.006 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

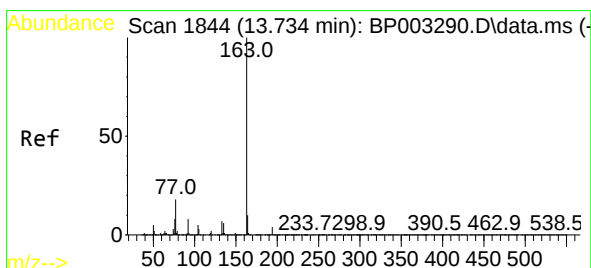
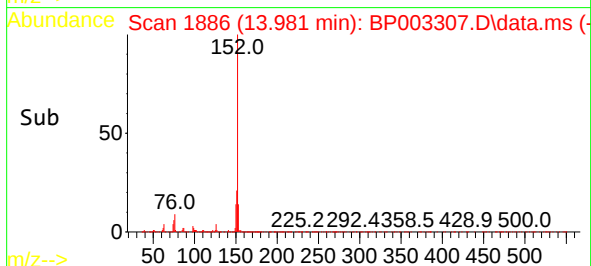
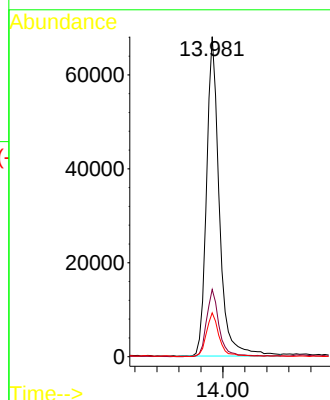
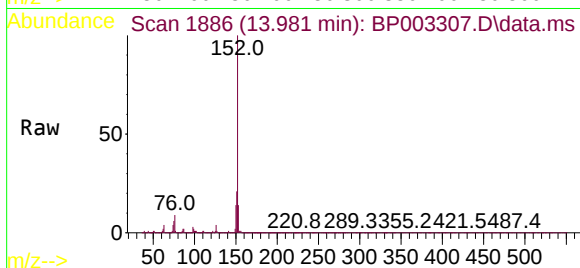
Instrument :

BNA_P

ClientSampleId :

VNJ-220

Tgt Ion:152	Resp:	110122
Ion Ratio	Lower	Upper
152	100	
151	21.0	15.9 23.9
153	13.7	10.5 15.7



#50

Dimethylphthalate

Concen: 4.92 ng

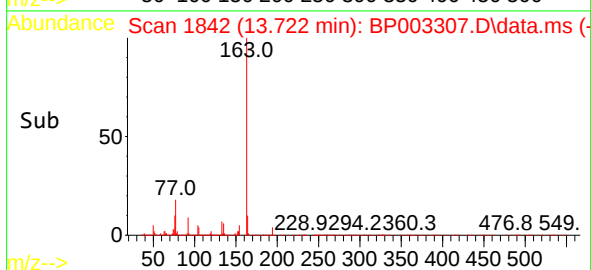
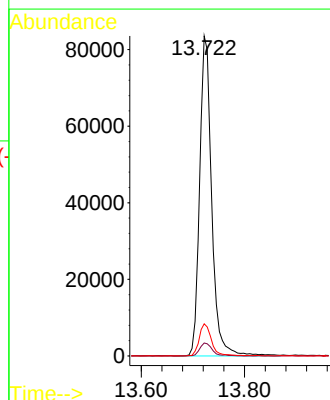
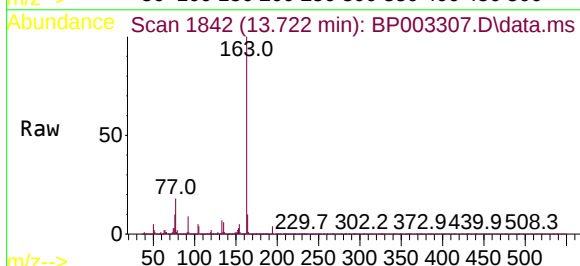
RT: 13.722 min Scan# 1842

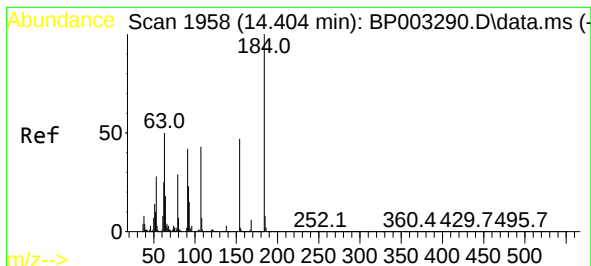
Delta R.T. -0.006 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Tgt Ion:163	Resp:	135342
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.3 4.9
164	10.1	8.2 12.2

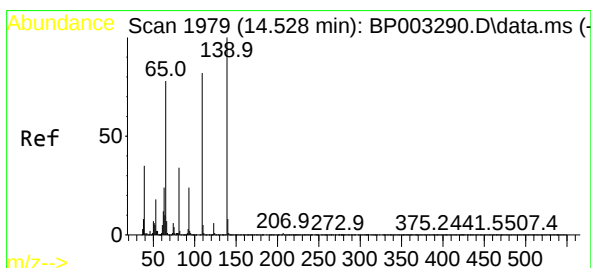
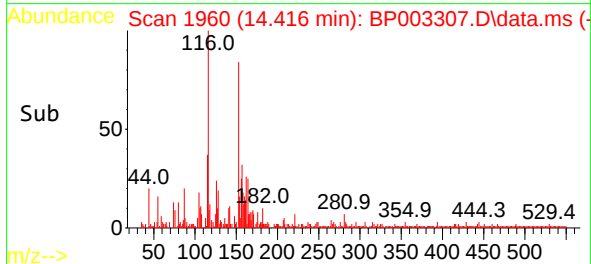
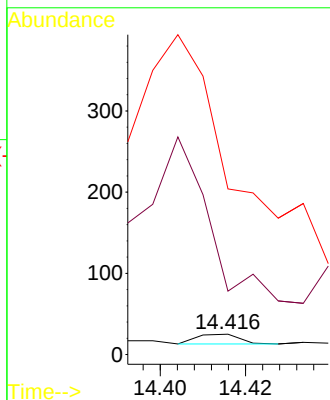
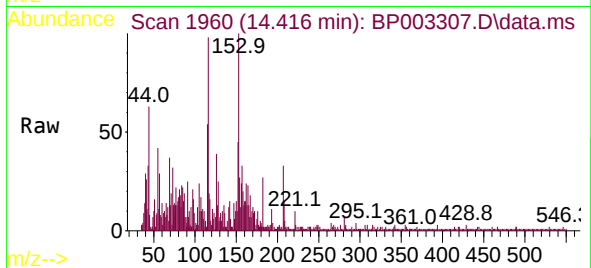




#54
2,4-Dinitrophenol
Concen: 7.25 ng
RT: 14.416 min Scan# 1960
Delta R.T. 0.018 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

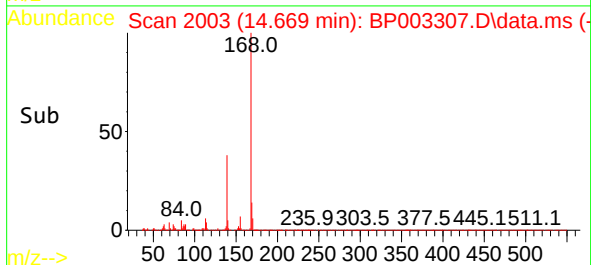
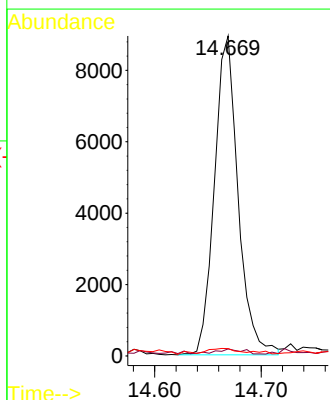
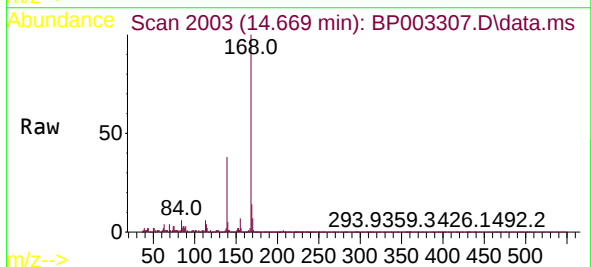
Instrument :
BNA_P
ClientSampled :
VNJ-220

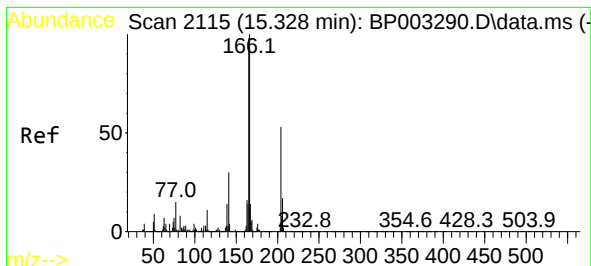
Tgt Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 312.0 32.3 48.5#
154 816.0 49.1 73.7#



#56
4-Nitrophenol
Concen: 3.52 ng
RT: 14.669 min Scan# 2003
Delta R.T. 0.153 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:139 Resp: 13763
Ion Ratio Lower Upper
139 100
109 2.2 44.6 84.6#
65 2.3 41.6 81.6#





#58

Fluorene

Concen: 2.50 ng

RT: 15.316 min Scan# 2113

Delta R.T. 0.000 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Instrument :

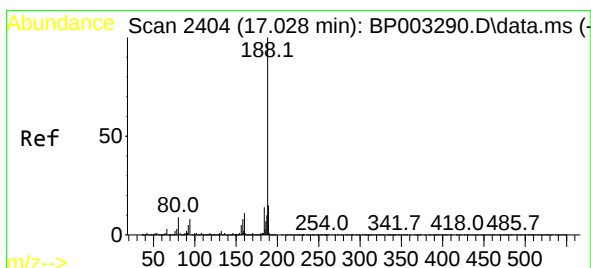
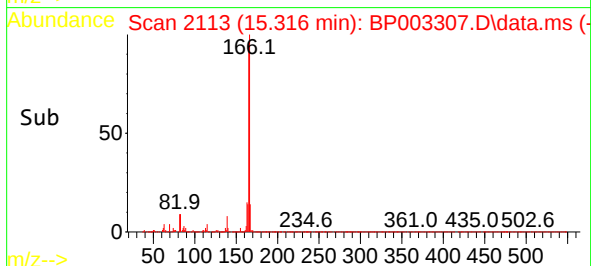
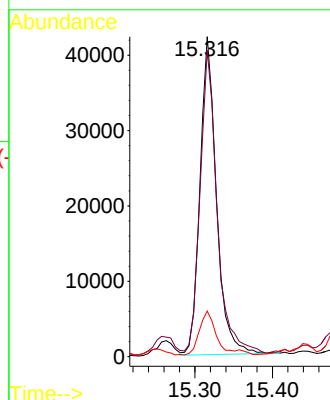
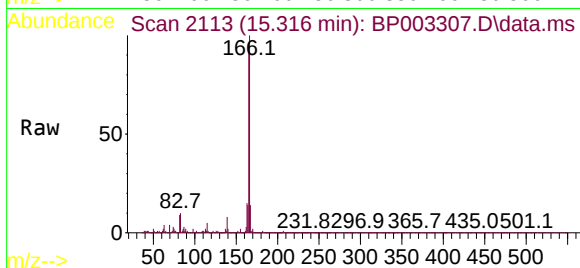
BNA_P

ClientSampleId :

VNJ-220

Tgt Ion:166 Resp: 62349

Ion	Ratio	Lower	Upper
166	100		
165	95.7	77.8	116.8
167	14.3	11.0	16.4



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.016 min Scan# 2402

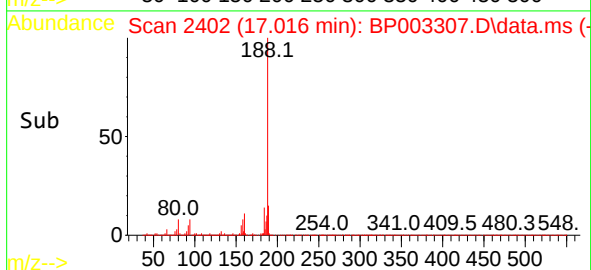
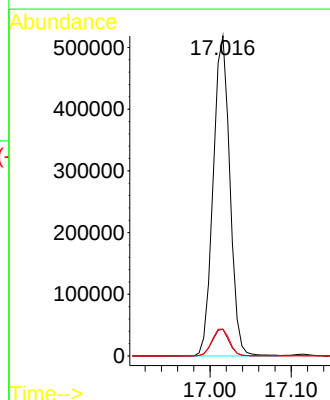
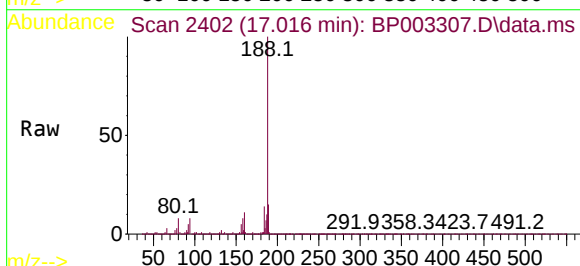
Delta R.T. 0.000 min

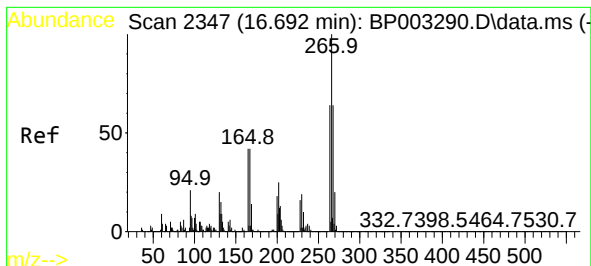
Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Tgt Ion:188 Resp: 740140

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.2	9.2
80	8.4	6.2	9.2

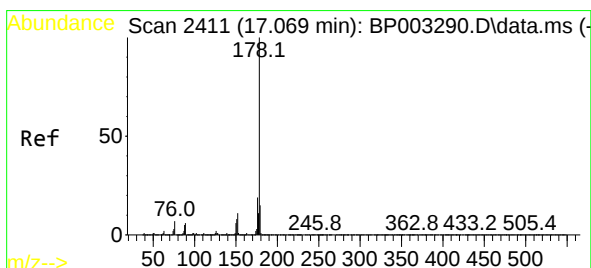
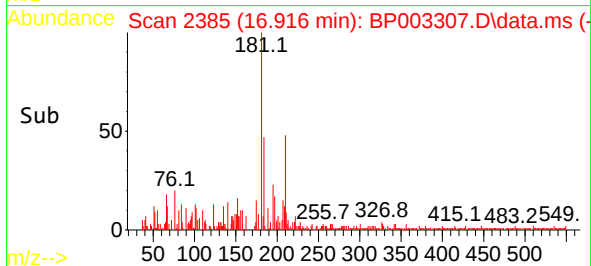
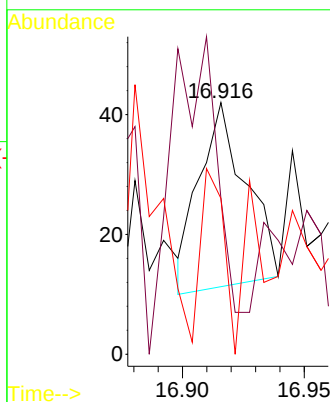
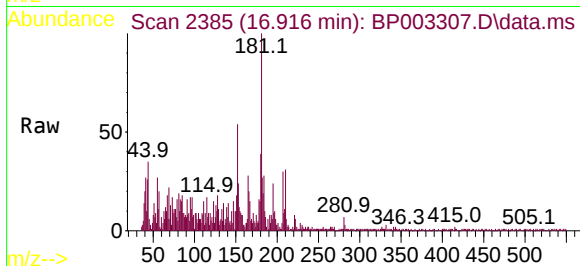




#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.916 min Scan# 2385
Delta R.T. 0.229 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

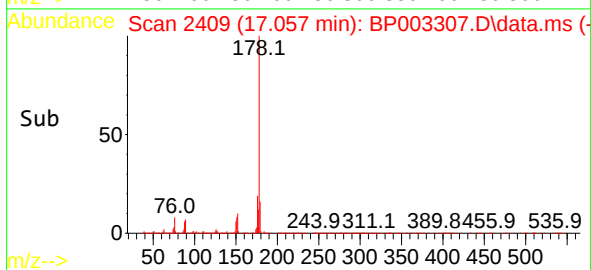
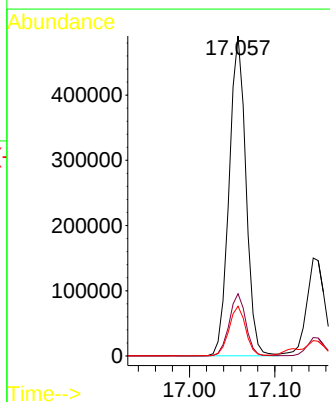
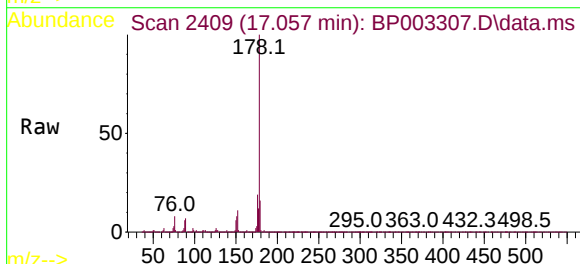
Instrument :
BNA_P
ClientSampled :
VNJ-220

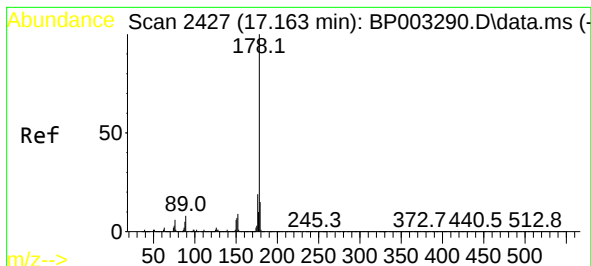
Tgt Ion:266 Resp: 41
Ion Ratio Lower Upper
266 100
268 61.9 51.1 76.7
264 61.9 50.6 76.0



#71
Phenanthrene
Concen: 16.71 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:178 Resp: 673064
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7





#72

Anthracene

Concen: 5.46 ng

RT: 17.145 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Instrument :

BNA_P

ClientSampleId :

VNJ-220

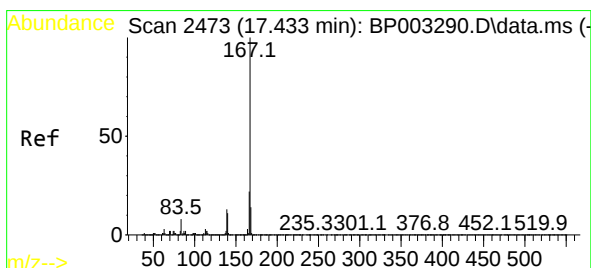
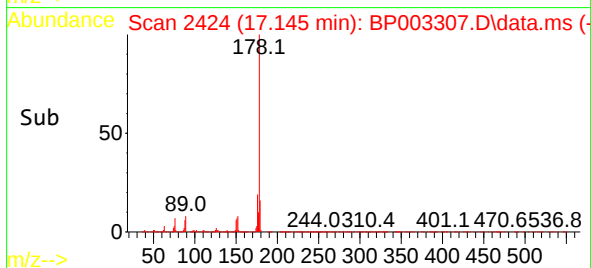
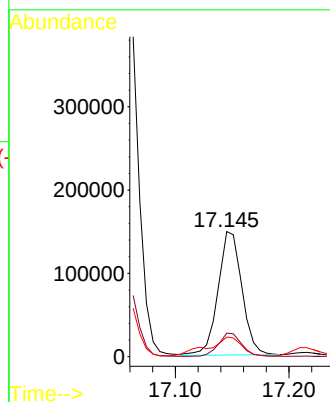
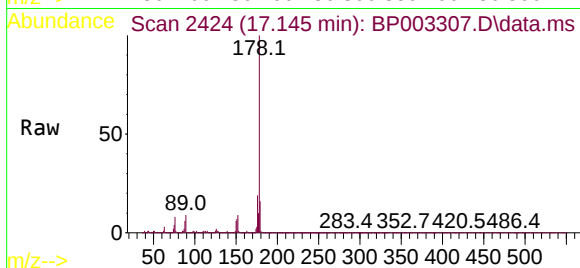
Tgt Ion:178 Resp: 216558

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.8 12.5 18.7



#73

Carbazole

Concen: 2.43 ng

RT: 17.422 min Scan# 2471

Delta R.T. -0.006 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

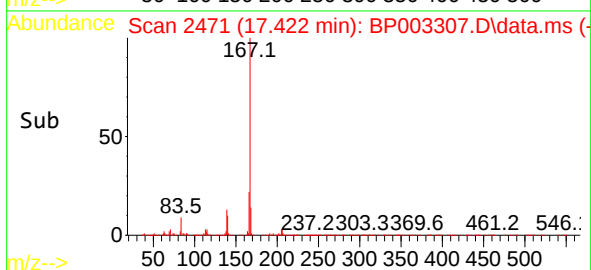
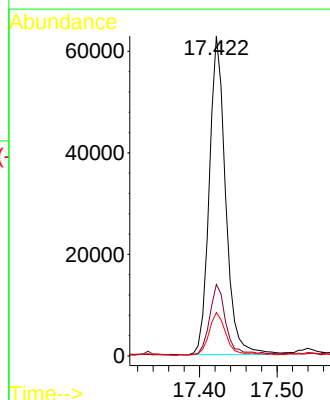
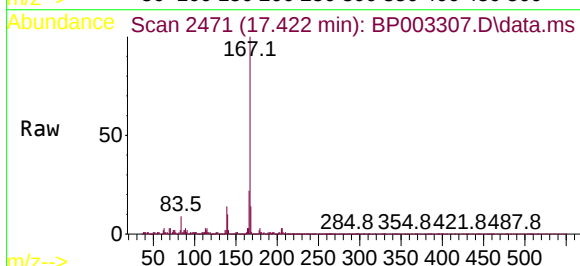
Tgt Ion:167 Resp: 91585

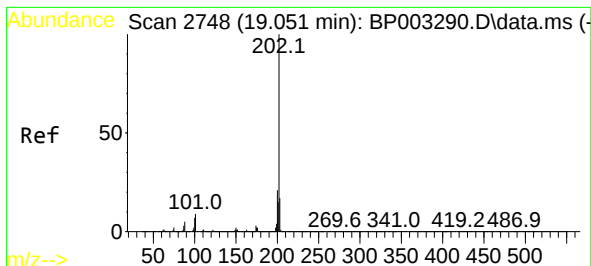
Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

139 13.6 10.2 15.4

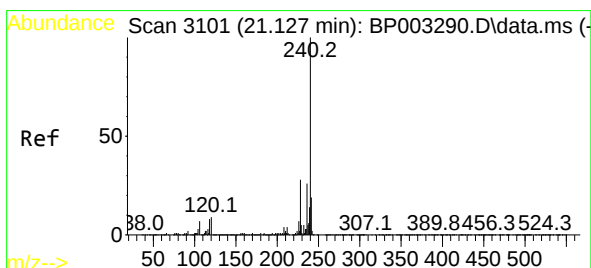
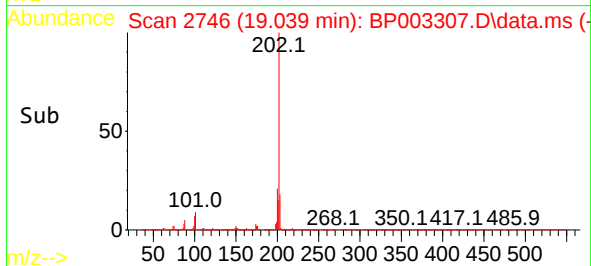
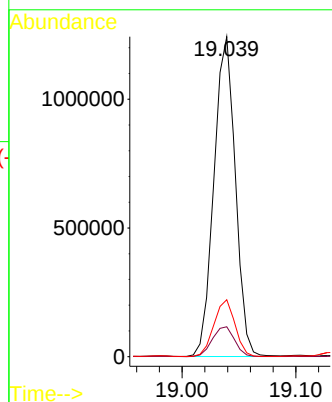
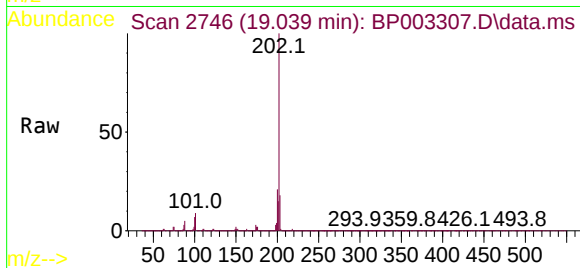




#75
Fluoranthene
Concen: 32.18 ng
RT: 19.039 min Scan# 2746
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

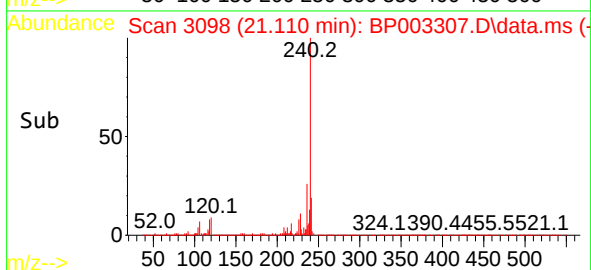
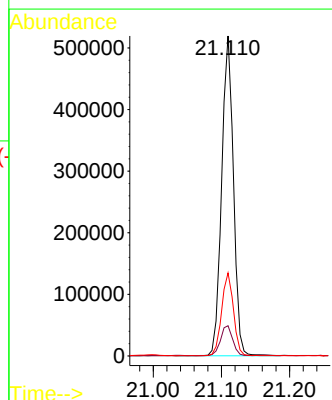
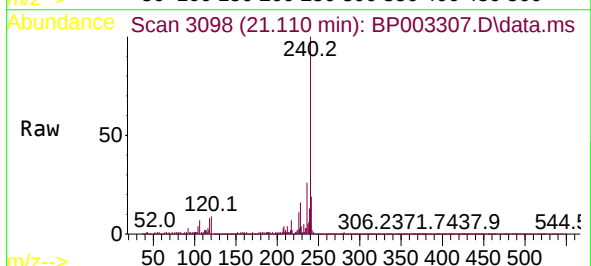
Instrument :
BNA_P
ClientSampleId :
VNJ-220

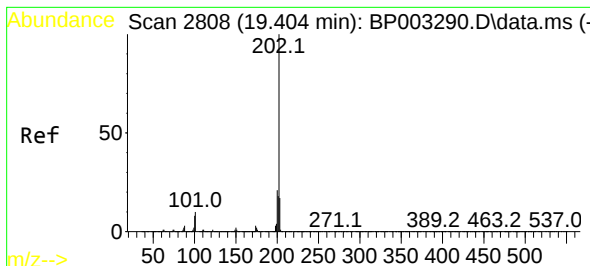
Tgt Ion:202 Resp: 1629213
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.110 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:240 Resp: 623760
Ion Ratio Lower Upper
240 100
120 9.5 7.8 11.6
236 25.9 20.8 31.2





#78

Pyrene

Concen: 32.98 ng

RT: 19.386 min Scan# 2805

Delta R.T. -0.006 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Instrument :

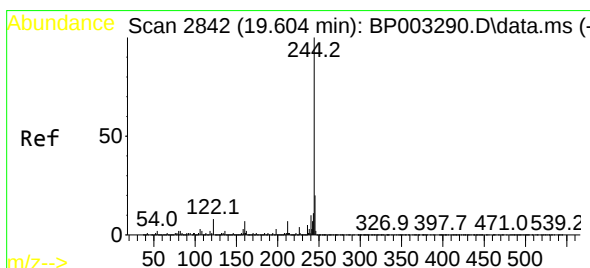
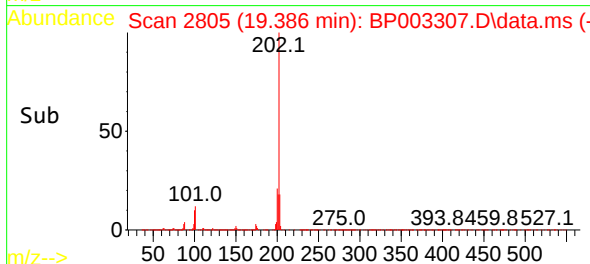
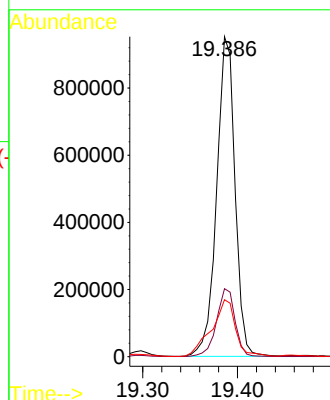
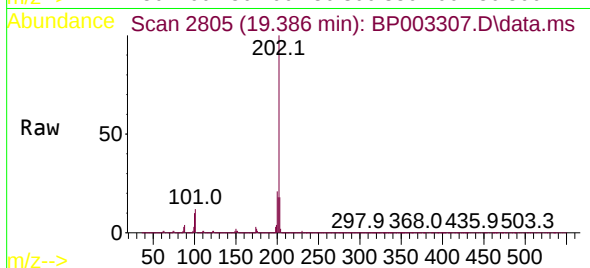
BNA_P

ClientSampleId :

VNJ-220

Tgt Ion:202 Resp: 1283079

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	17.8	14.2	21.2



#79

Terphenyl-d14

Concen: 60.05 ng

RT: 19.592 min Scan# 2840

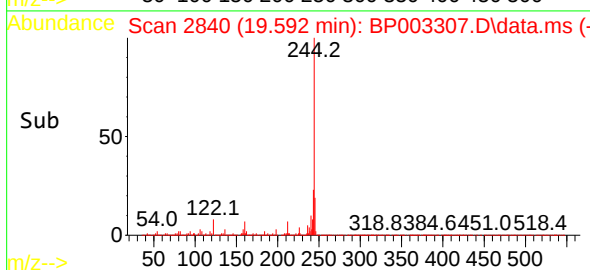
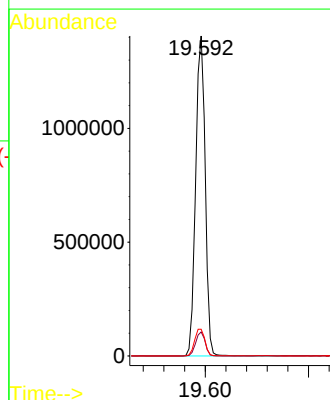
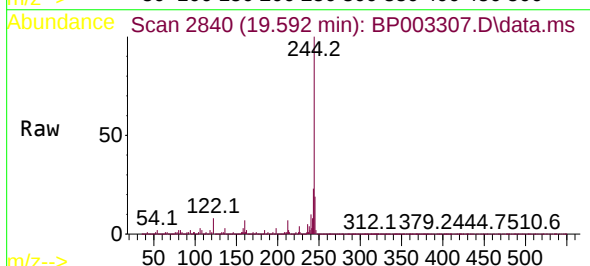
Delta R.T. 0.000 min

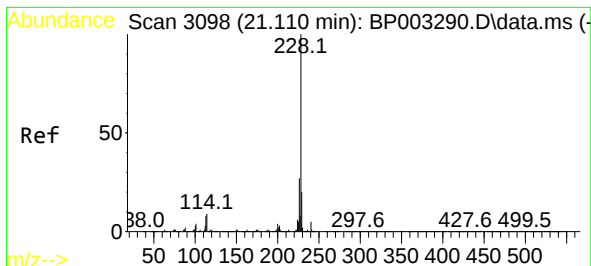
Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Tgt Ion:244 Resp: 1797852

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.3	7.8	11.8

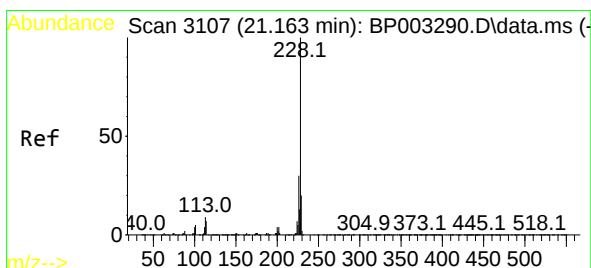
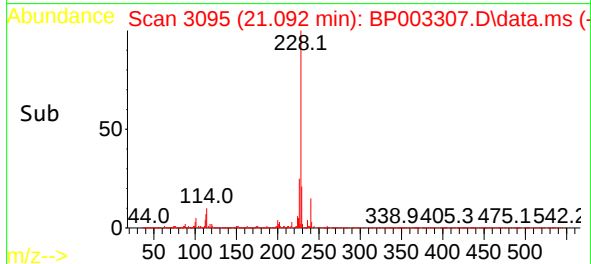
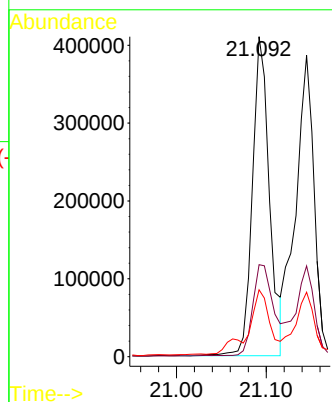
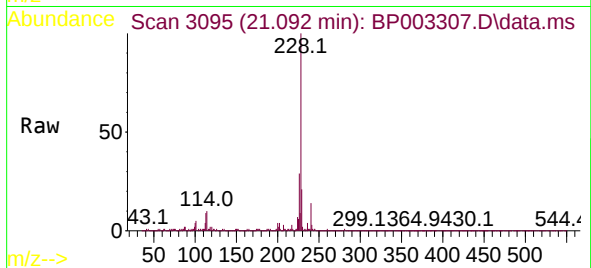




#81
Benzo(a)anthracene
Concen: 13.39 ng
RT: 21.092 min Scan# 3095
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

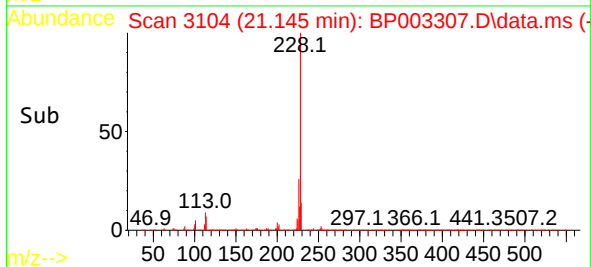
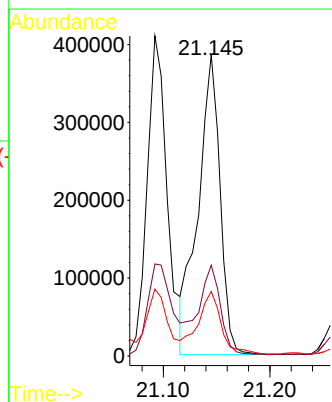
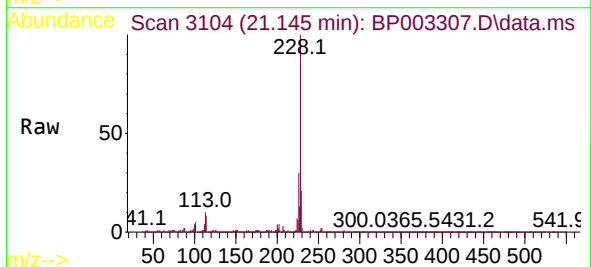
Instrument :
BNA_P
ClientSampleId :
VNJ-220

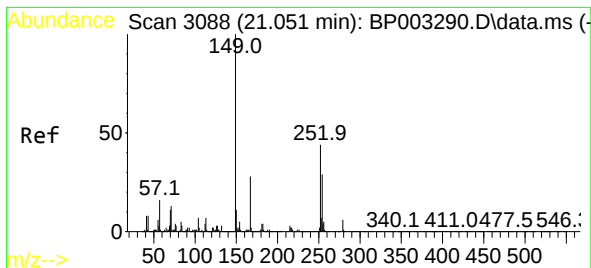
Tgt Ion:228 Resp: 539827
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 20.9 15.9 23.9



#83
Chrysene
Concen: 14.29 ng
RT: 21.145 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:228 Resp: 553495
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.4 15.8 23.6

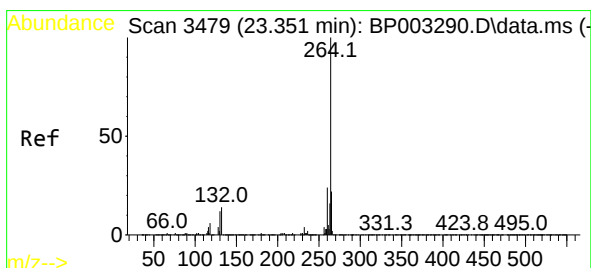
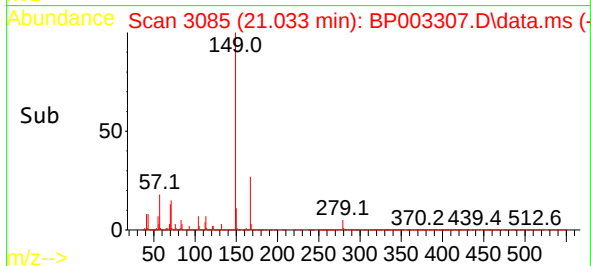
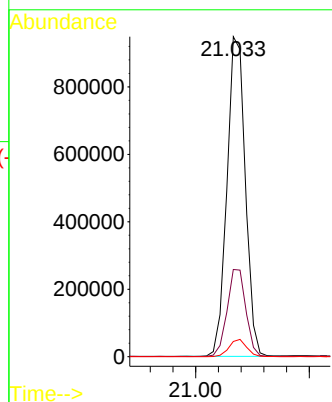
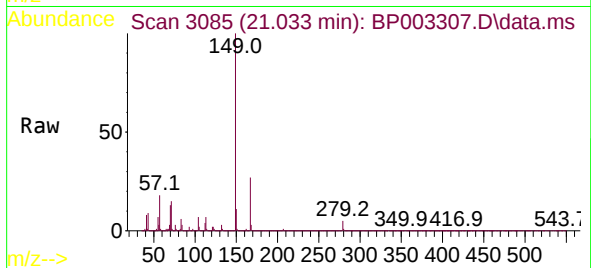




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.49 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

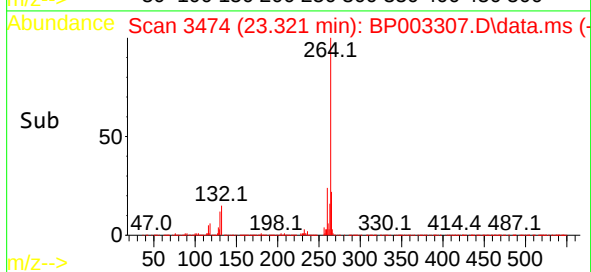
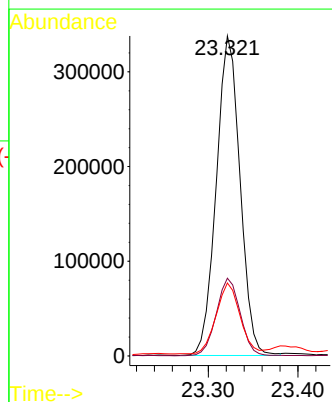
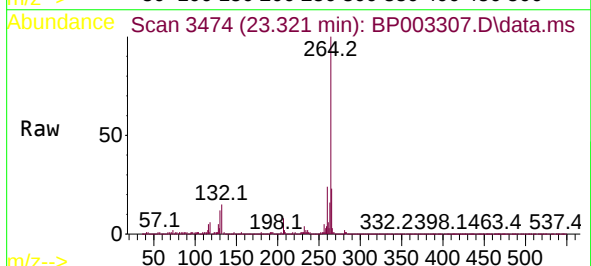
Instrument :
BNA_P
ClientSampled :
VNJ-220

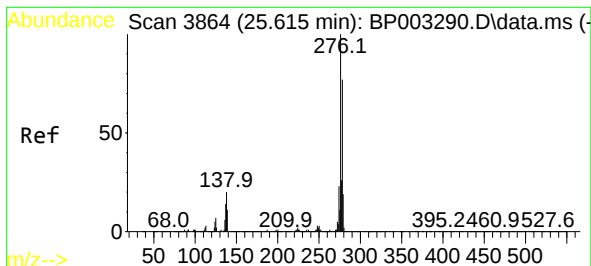
Tgt Ion:149 Resp: 1064608
Ion Ratio Lower Upper
149 100
167 27.3 22.6 34.0
279 4.7 4.2 6.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.321 min Scan# 3474
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:264 Resp: 619642
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.8 17.4 26.2

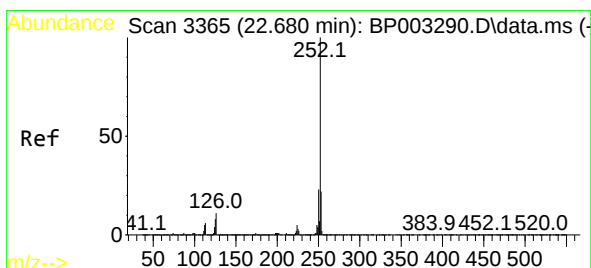
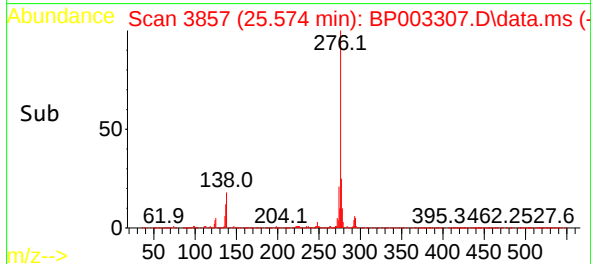
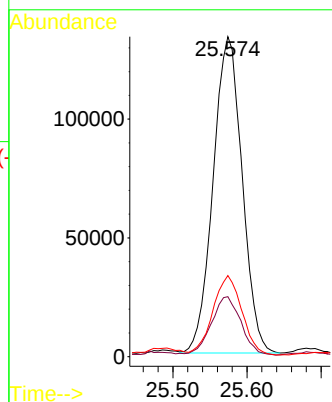
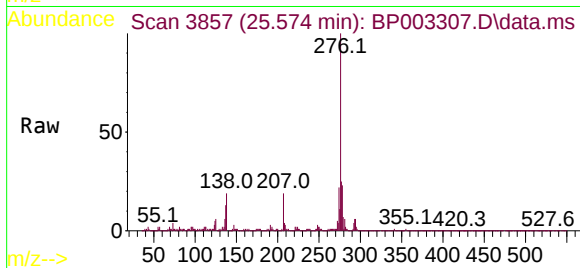




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.71 ng
RT: 25.574 min Scan# 3857
Delta R.T. -0.012 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

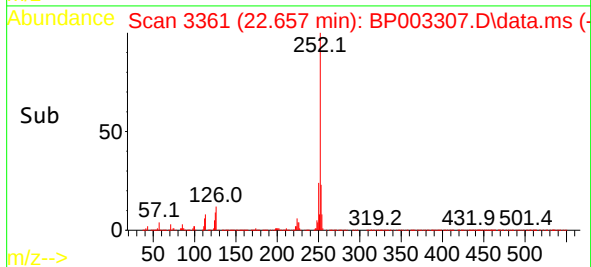
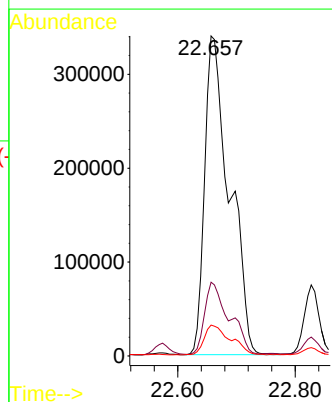
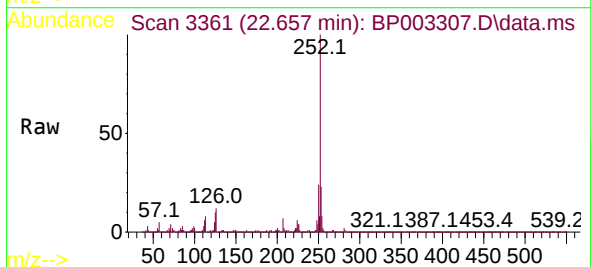
Instrument :
BNA_P
ClientSampleId :
VNJ-220

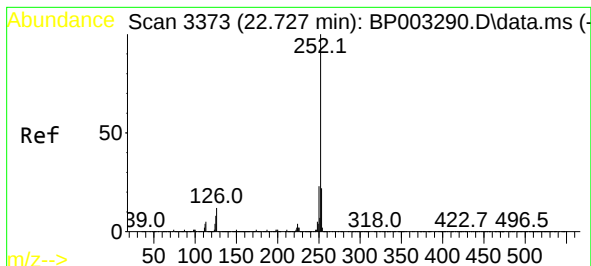
Tgt Ion:276 Resp: 362201
Ion Ratio Lower Upper
276 100
138 18.8 18.7 28.1
277 25.0 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 25.45 ng
RT: 22.657 min Scan# 3361
Delta R.T. -0.006 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Tgt Ion:252 Resp: 995959
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 9.7 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 26.56 ng

RT: 22.657 min Scan# 3361

Delta R.T. -0.047 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

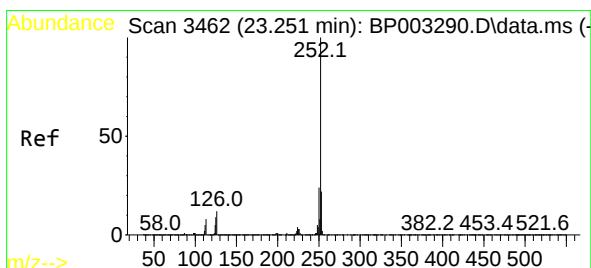
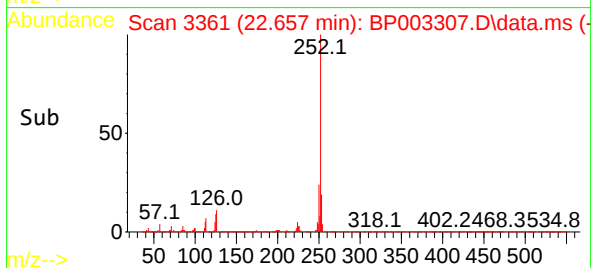
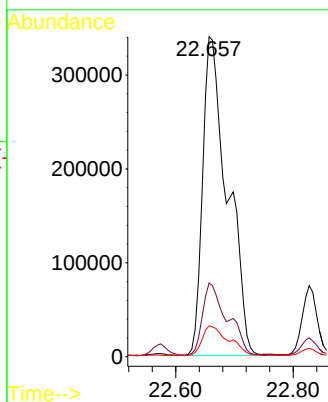
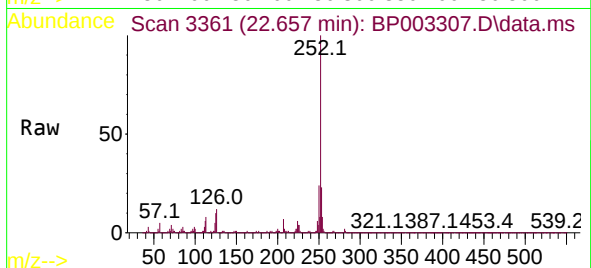
Instrument :

BNA_P

ClientSampleId :

VNJ-220

Tgt Ion:252 Resp: 995959
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.8
 125 9.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 12.63 ng

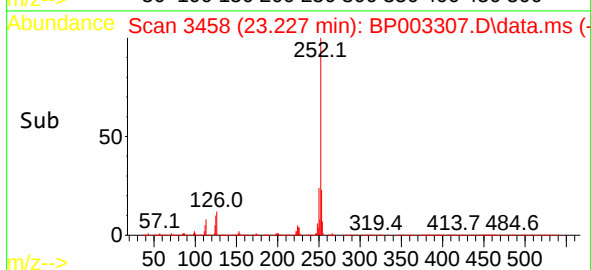
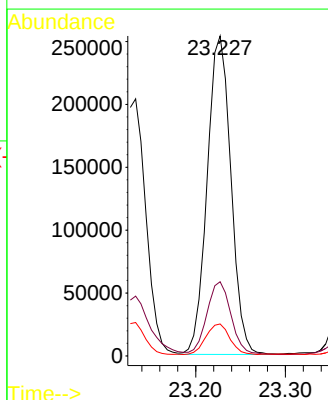
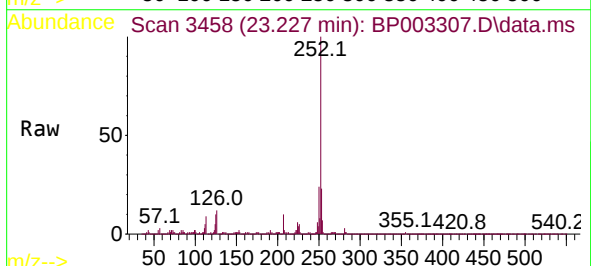
RT: 23.227 min Scan# 3458

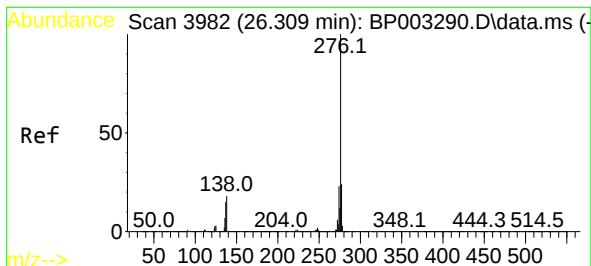
Delta R.T. -0.006 min

Lab File: BP003307.D

Acq: 16 Sep 2020 18:09

Tgt Ion:252 Resp: 465917
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.0
 125 10.0 8.2 12.4





#92
Benzo(g,h,i)perylene
Concen: 8.94 ng
RT: 26.262 min Scan# 3974
Delta R.T. -0.012 min
Lab File: BP003307.D
Acq: 16 Sep 2020 18:09

Instrument :
BNA_P
ClientSampleId :
VNJ-220

Tgt Ion:276 Resp: 345811
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.6
138 19.4 16.6 24.8

