

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090220\
 Data File : BP003194.D
 Acq On : 02 Sep 2020 19:20
 Operator : CG/JU
 Sample : L3876-13 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-215

Quant Time: Sep 03 01:01:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	83540	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	425674	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	332571	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	670348	20.00	ng	0.02
76) Chrysene-d12	21.16	240	1202522	20.00	ng	0.01
86) Perylene-d12	23.39	264	1432449	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	191721	40.58	ng	0.00
7) Phenol-d6	6.85	99	258908	43.71	ng	0.01
23) Nitrobenzene-d5	8.80	82	161376	27.33	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	229800	51.09	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	625532	27.54	ng	0.00
79) Terphenyl-d14	19.64	244	1231686	22.54	ng	0.02

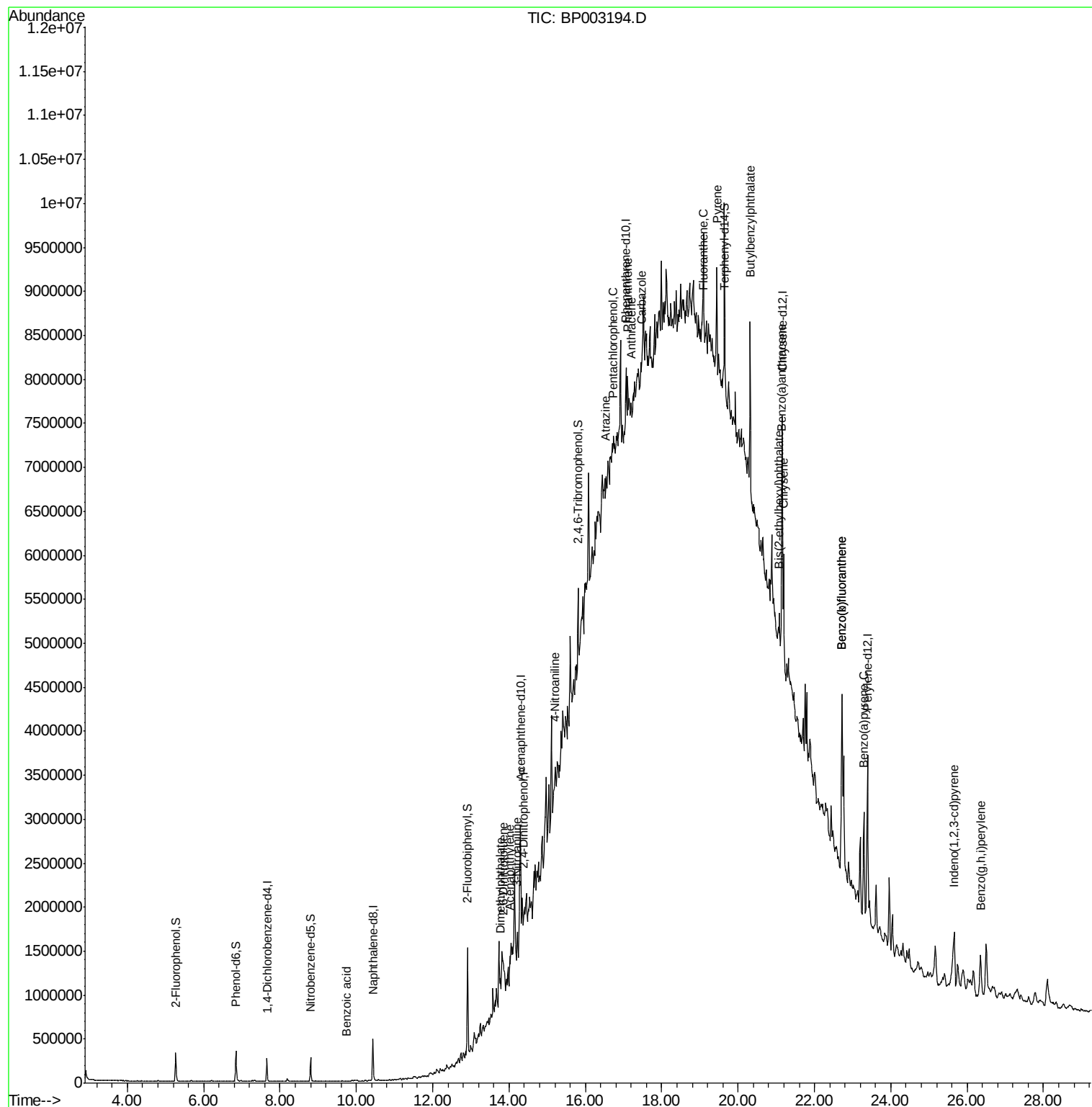
Target Compounds				Qvalue		
32) Benzoic acid	9.73	122	899	9.179	ng	# 66
49) Acenaphthylene	14.02	152	262906	8.515	ng	# 89
50) Dimethylphthalate	13.76	163	124087	4.893	ng	# 89
51) 2,6-Dinitrotoluene	13.85	165	39627	7.518	ng	# 44
53) 3-Nitroaniline	14.22	138	15223	2.549	ng	# 32
54) 2,4-Dinitrophenol	14.38	184	777	7.999	ng	# 1
62) 4-Nitroaniline	15.21	138	35671	5.811	ng	90
69) Atrazine	16.53	200	25918	3.920	ng	# 1
70) Pentachlorophenol	16.72	266	21515	5.108	ng	92
71) Phenanthrene	17.10	178	300589	8.275	ng	# 56
72) Anthracene	17.20	178	163509	4.703	ng	# 57
73) Carbazole	17.47	167	67767	2.031	ng	# 1
75) Fluoranthene	19.09	202	947906	22.579	ng	92
78) Pyrene	19.44	202	973314	12.471	ng	96
80) Butylbenzylphthalate	20.32	149	931786	28.996	ng	96
81) Benzo(a)anthracene	21.14	228	682848	9.065	ng	93
83) Chrysene	21.19	228	789970	10.954	ng	97
84) Bis(2-ethylhexyl)phthalate	21.08	149	185050	3.988	ng	# 92
87) Indeno(1,2,3-cd)pyrene	25.66	276	589836	5.522	ng	96
88) Benzo(b)fluoranthene	22.72	252	1667759	18.732	ng	# 94
89) Benzo(k)fluoranthene	22.72	252	1667759	19.606	ng	# 94
90) Benzo(a)pyrene	23.29	252	771540	9.341	ng	# 95
92) Benzo(g,h,i)perylene	26.35	276	575409	6.534	ng	98

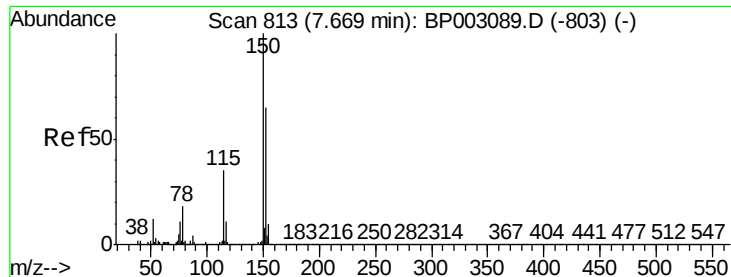
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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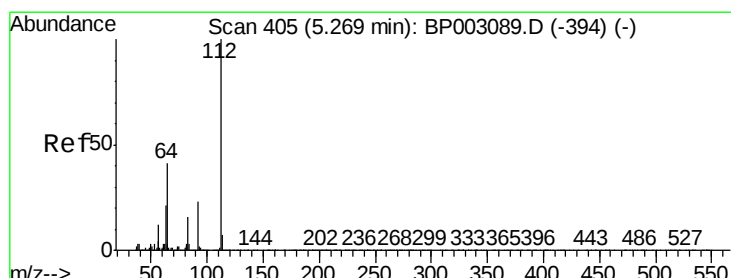
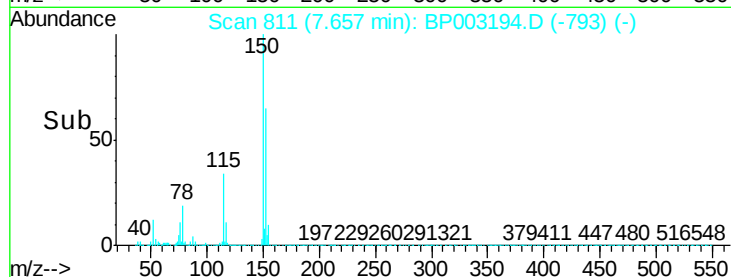
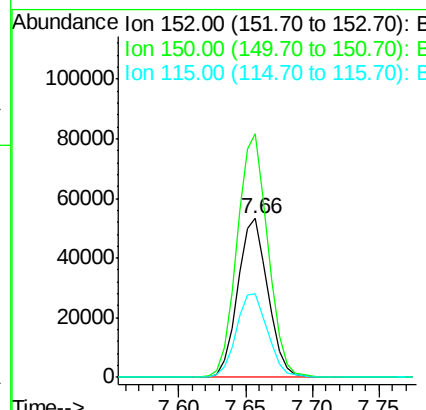
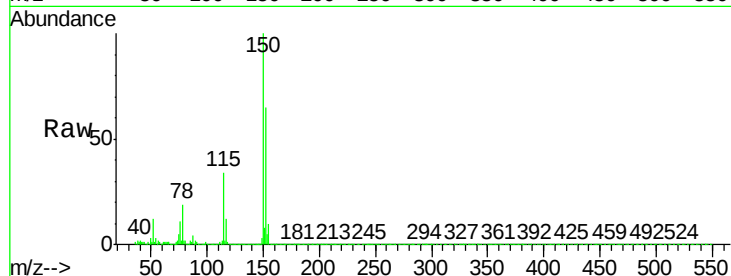


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 811
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Instrument :
BNA_P
ClientSampleId :
VNJ-215

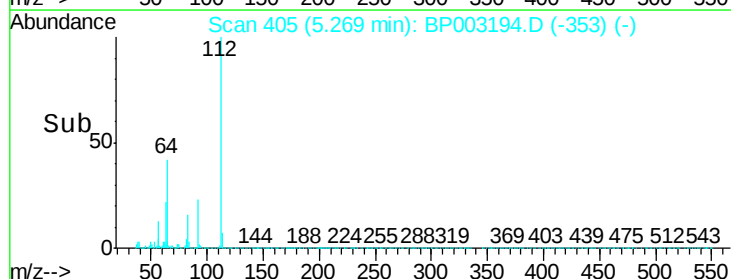
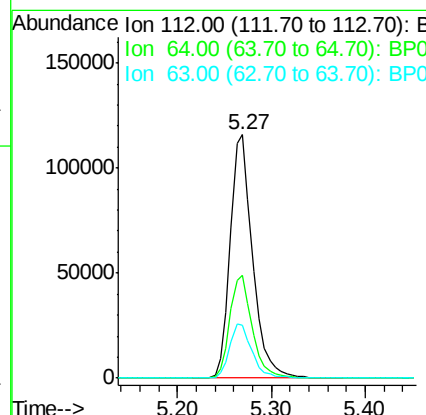
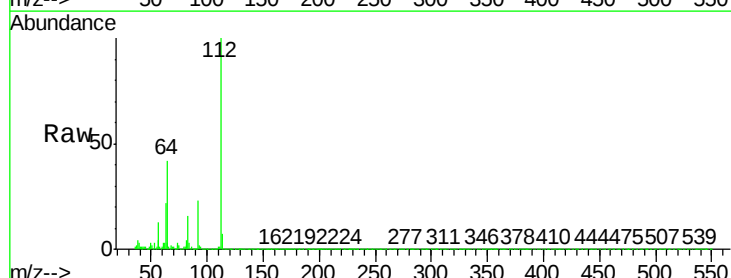
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.8	185.6
115	52.8	43.8	65.6

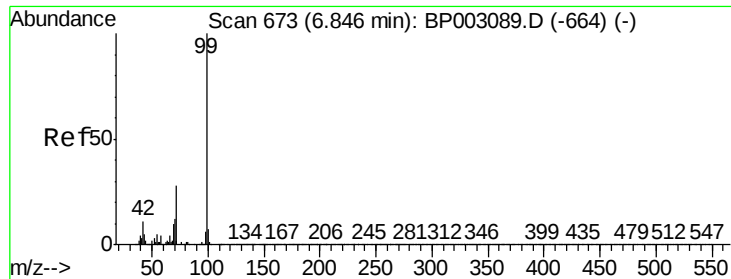


#5

2-Fluorophenol
Concen: 40.576 ng
RT: 5.27 min Scan# 405
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.0	32.8	49.2
63	21.6	17.0	25.4





#7

Phenol-d6

Concen: 43.711 ng

RT: 6.85 min Scan# 673

Delta R.T. 0.01 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampleId :

VNJ-215

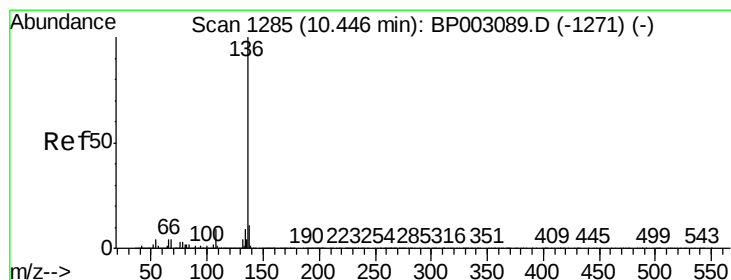
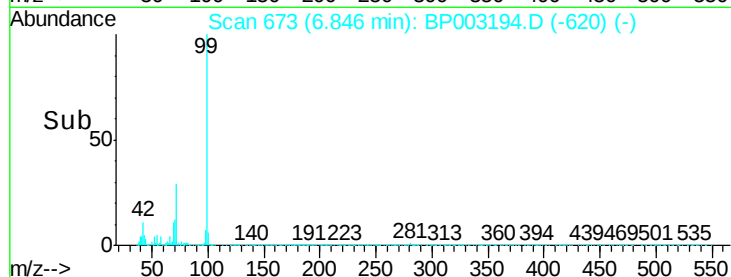
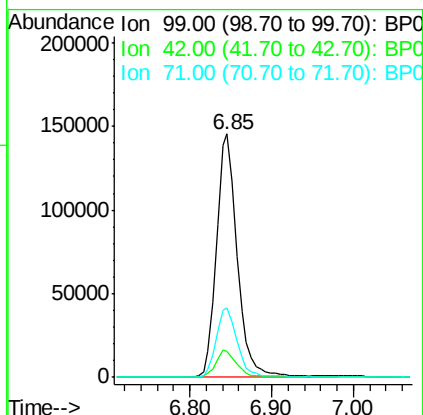
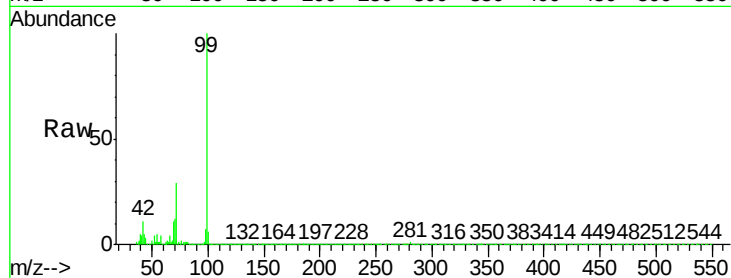
Tot Ion: 99 Resp: 258908

Ion Ratio Lower Upper

99 100

42 10.9 8.6 13.0

71 28.6 23.4 35.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Tgt Ion: 136 Resp: 425674

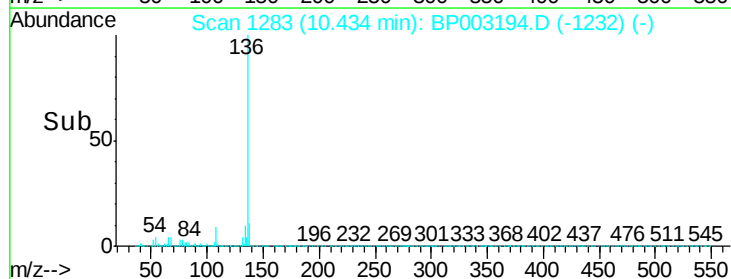
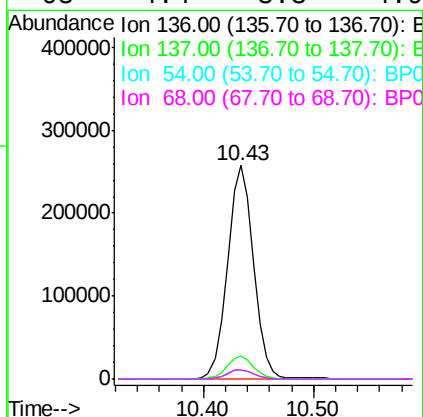
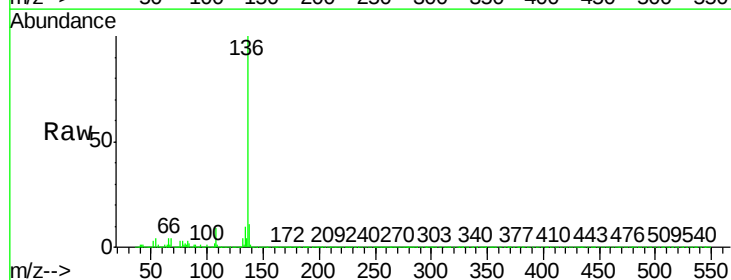
Ion Ratio Lower Upper

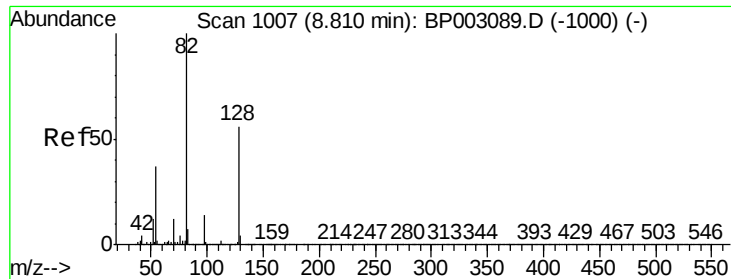
136 100

137 10.7 8.6 13.0

54 4.5 3.6 5.4

68 4.4 3.3 4.9

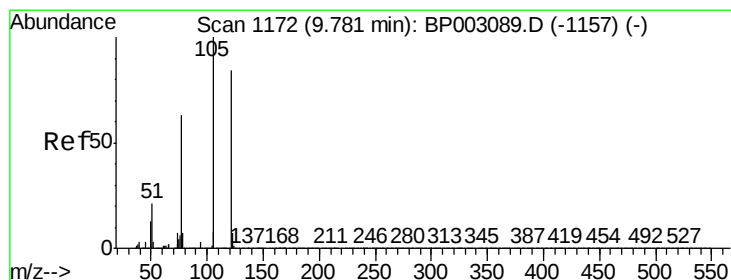
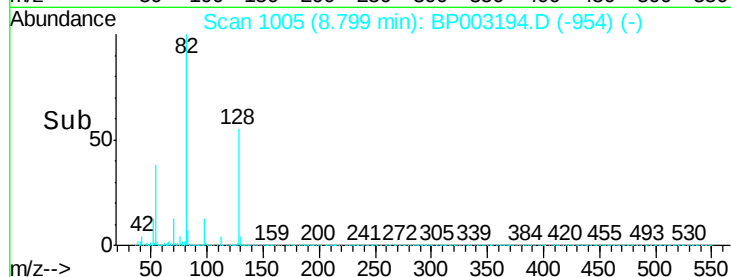
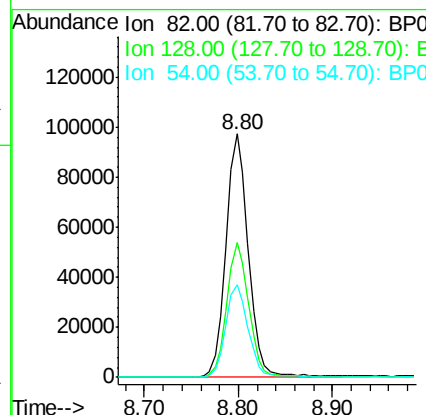
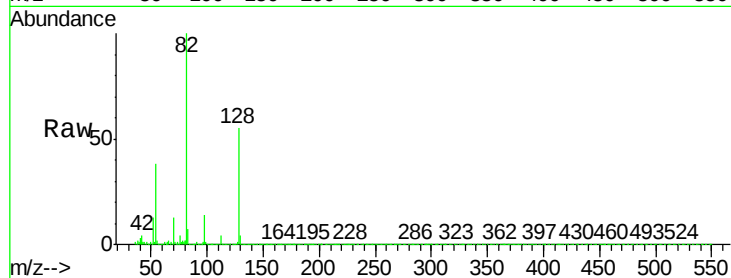




#23
 Nitrobenzene-d5
 Concen: 27.330 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BP003194.D
 Acq: 02 Sep 2020 19:20

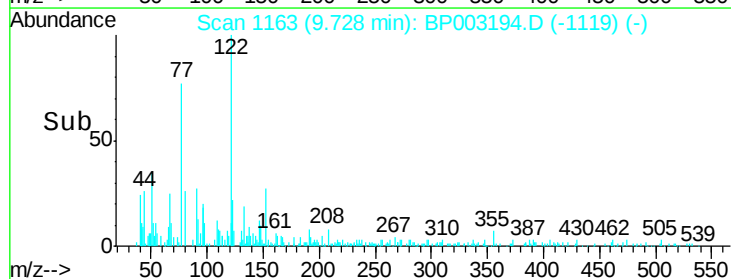
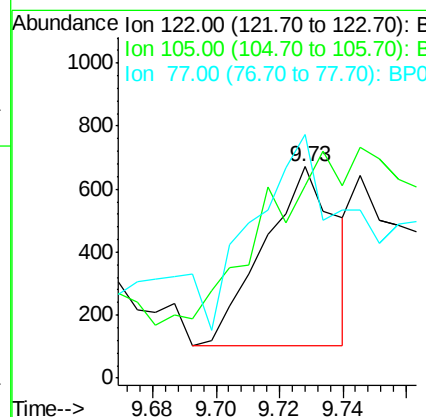
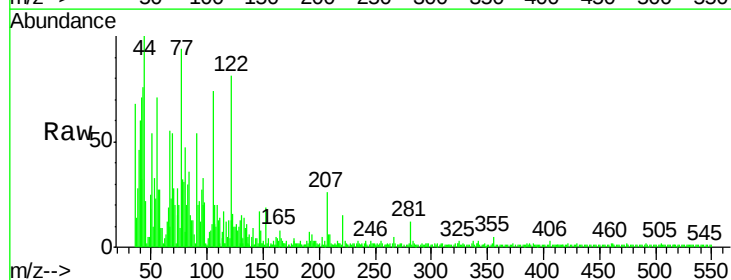
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-215

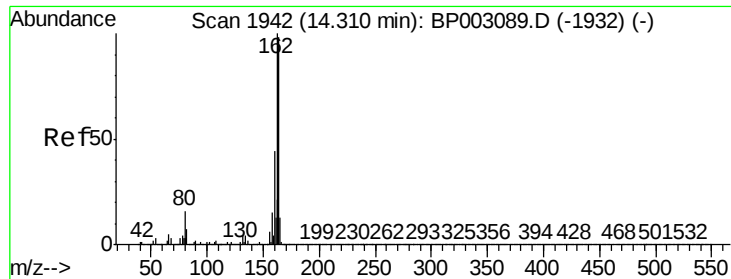
Tot Ion	82	Resp	161376
Ion Ratio	Lower	Upper	
82	100		
128	55.5	45.6	68.4
54	37.9	30.1	45.1



#32
 Benzoic acid
 Concen: 9.179 ng
 RT: 9.73 min Scan# 1163
 Delta R.T. -0.04 min
 Lab File: BP003194.D
 Acq: 02 Sep 2020 19:20

Tgt Ion	122	Resp	899
Ion Ratio	Lower	Upper	
122	100		
105	91.3	94.1	134.1#
77	115.4	50.1	90.1#

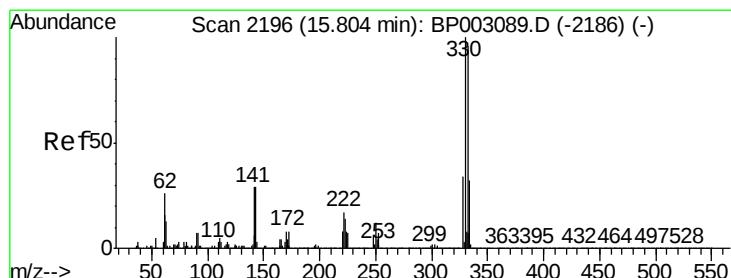
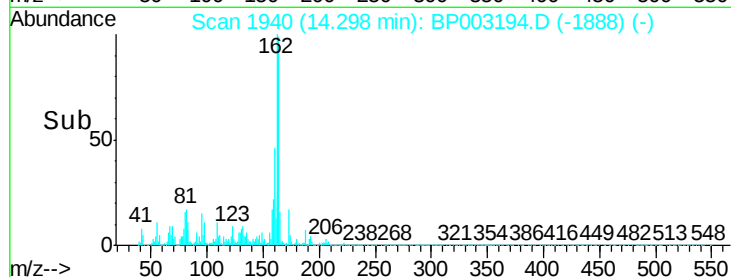
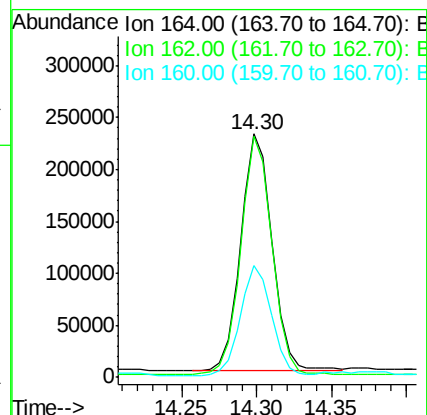
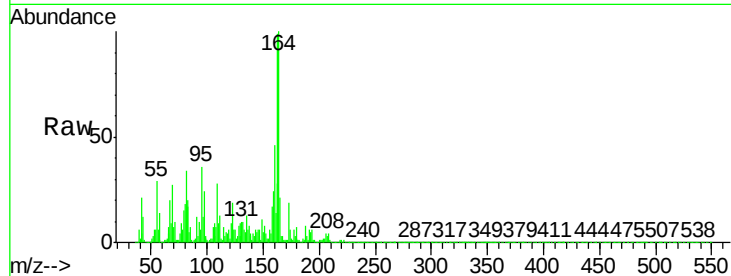




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

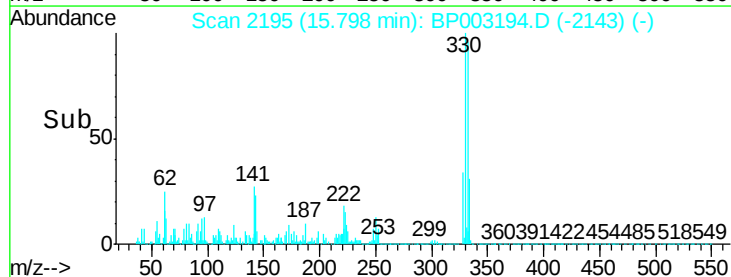
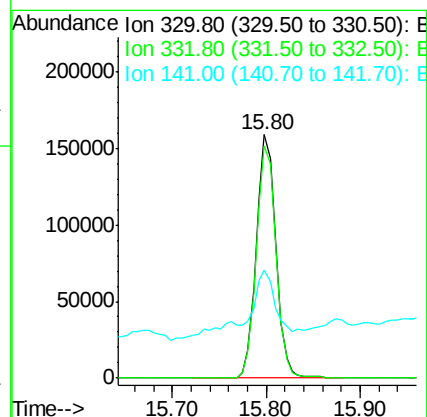
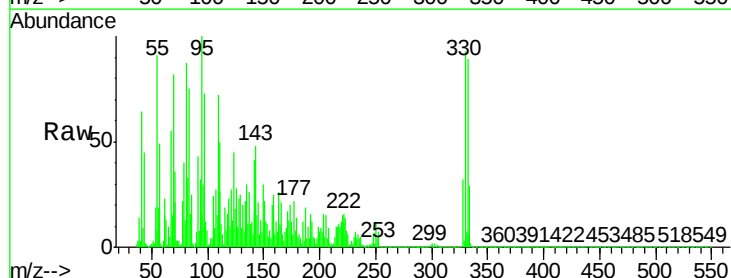
Instrument :
BNA_P
ClientSampleId :
VNJ-215

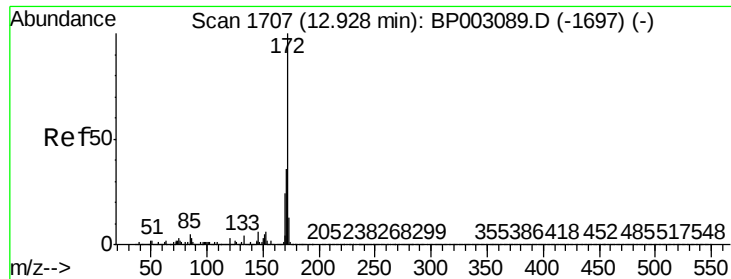
Tot Ion:164 Resp: 332571
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.2
160 45.7 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 51.090 ng
RT: 15.80 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion:330 Resp: 229800
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 23.0 23.4 35.2#

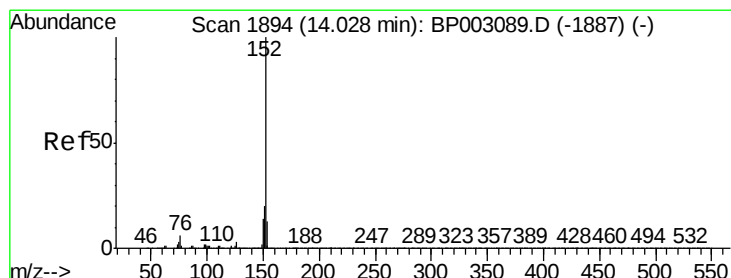
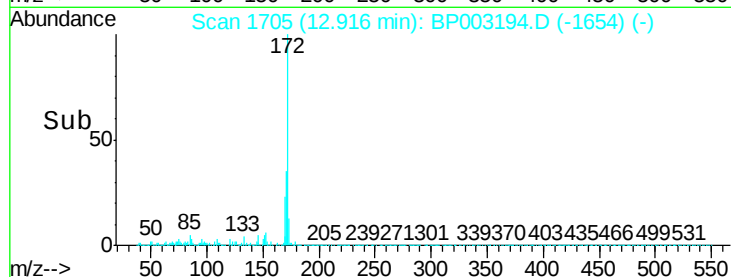
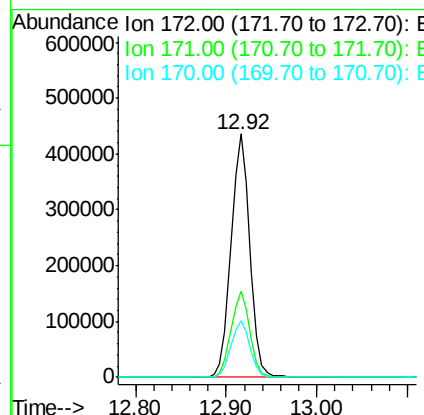
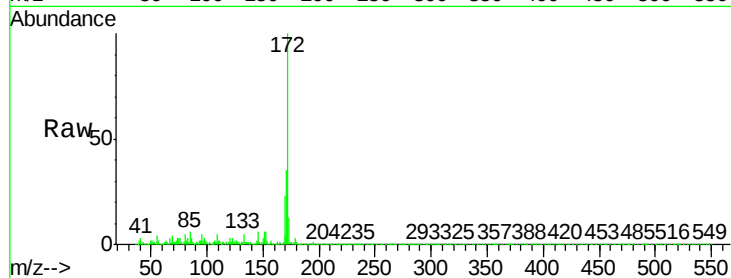




#45
2-Fluorobiphenyl
Concen: 27.545 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

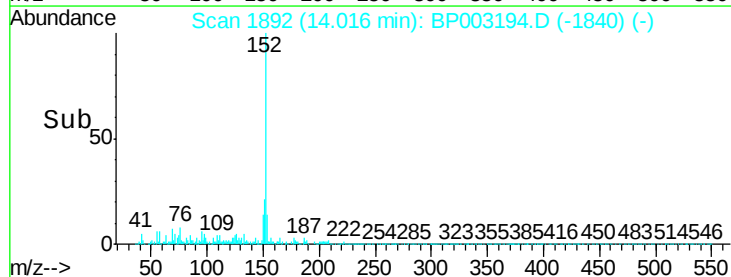
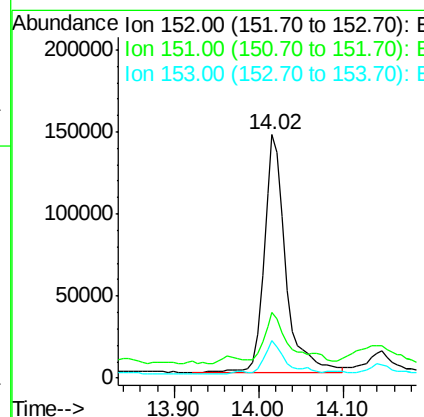
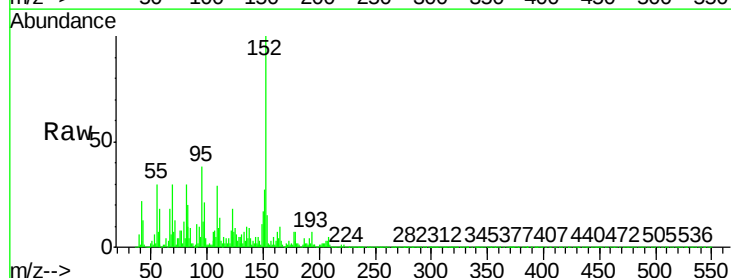
Instrument :
BNA_P
ClientSampled :
VNJ-215

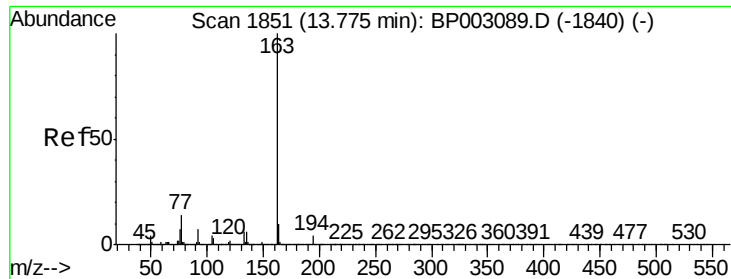
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	23.1	19.2	28.8



#49
Acenaphthylene
Concen: 8.515 ng
RT: 14.02 min Scan# 1892
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.8	15.9	23.9#
153	15.2	10.5	15.7





#50

Dimethylphthalate

Concen: 4.893 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampleId :

VNJ-215

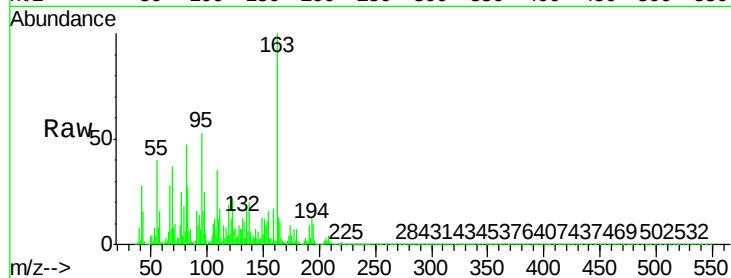
Tot Ion:163 Resp: 124087

Ion Ratio Lower Upper

163 100

194 9.9 3.3 4.9#

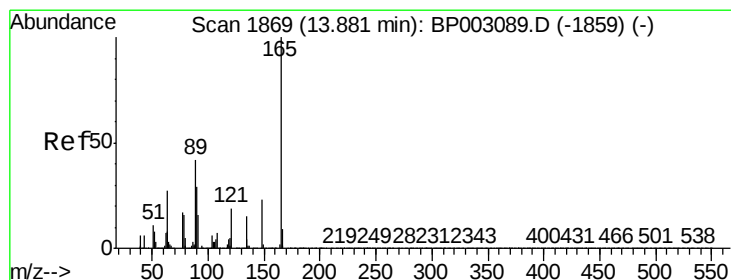
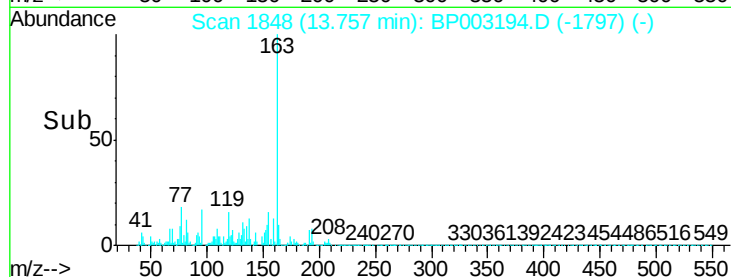
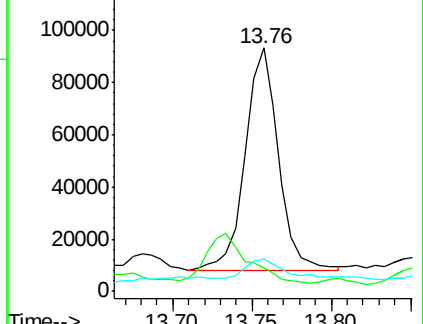
164 13.1 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.518 ng

RT: 13.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

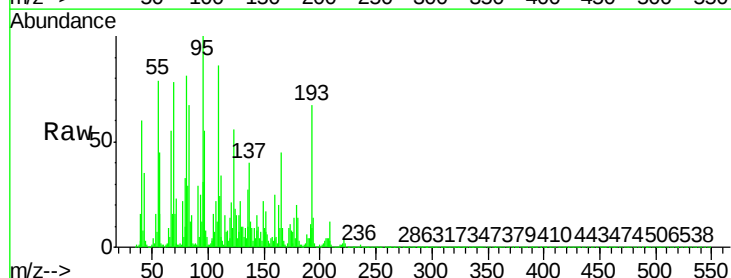
Tgt Ion:165 Resp: 39627

Ion Ratio Lower Upper

165 100

63 5.5 27.8 41.6#

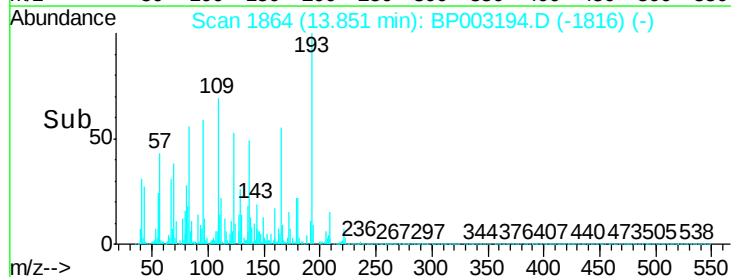
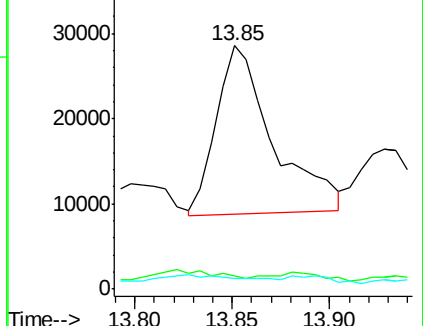
89 4.6 34.6 52.0#

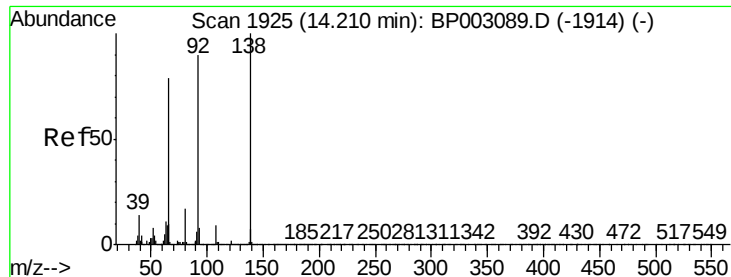


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

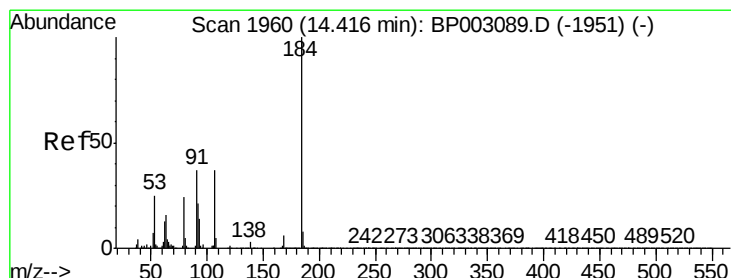
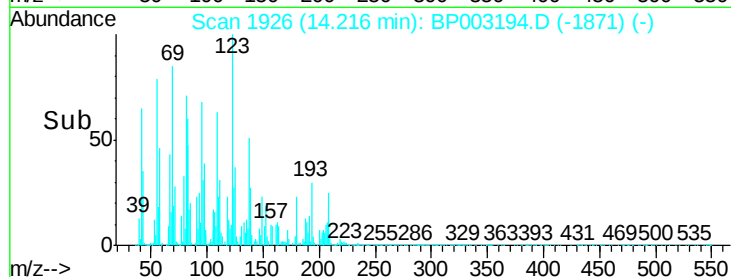
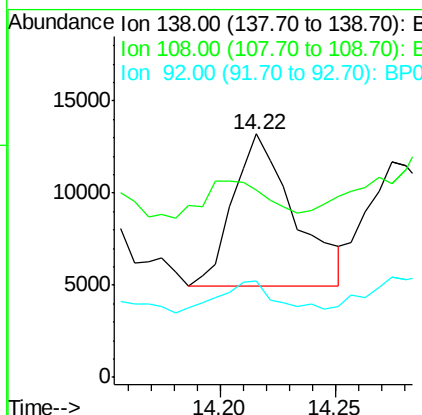
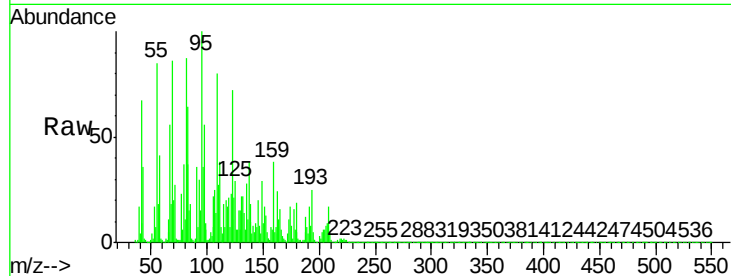




#53
3-Nitroaniline
Concen: 2.549 ng
RT: 14.22 min Scan# 1926
Delta R.T. 0.02 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

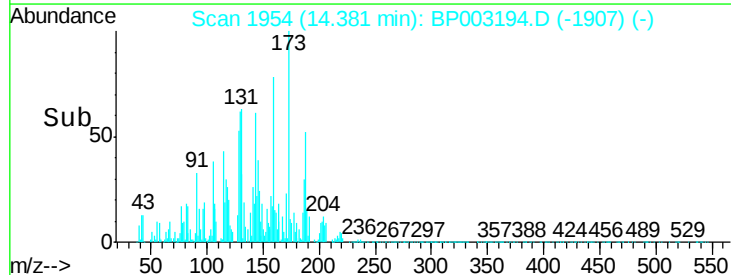
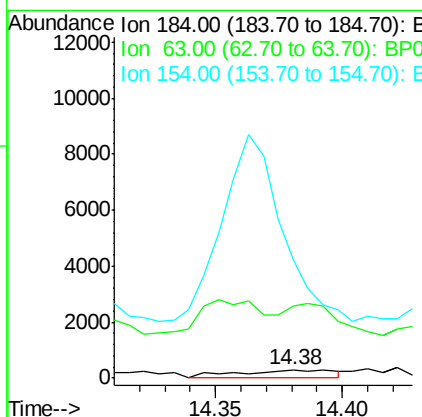
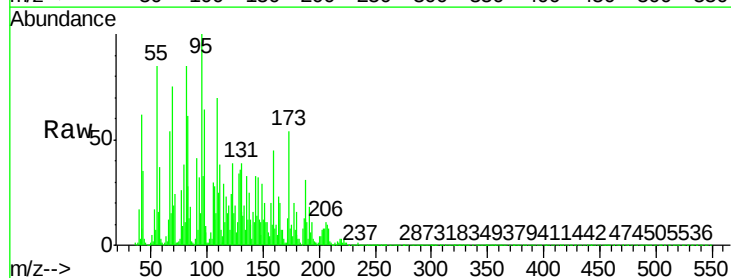
Instrument :
BNA_P
ClientSampleId :
VNJ-215

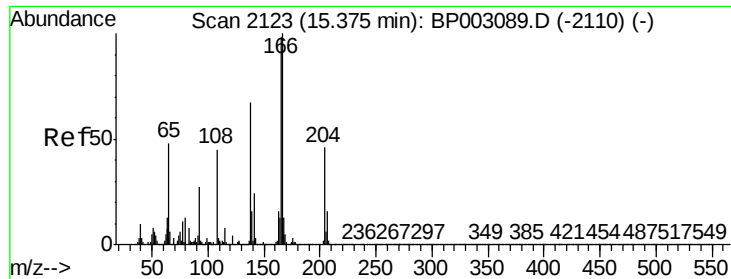
Tot Ion:138 Resp: 15223
Ion Ratio Lower Upper
138 100
108 77.0 7.5 11.3#
92 39.4 75.0 112.6#



#54
2,4-Dinitrophenol
Concen: 7.999 ng
RT: 14.38 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion:184 Resp: 777
Ion Ratio Lower Upper
184 100
63 849.0 32.3 48.5#
154 1373.2 49.1 73.7#

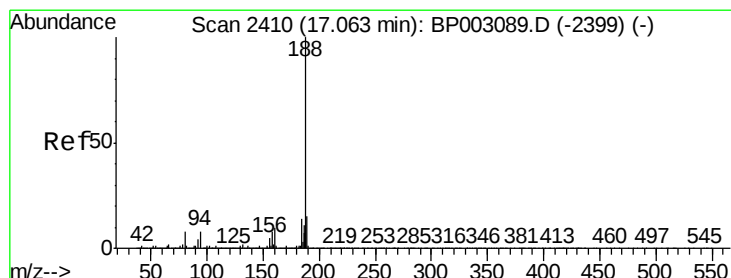
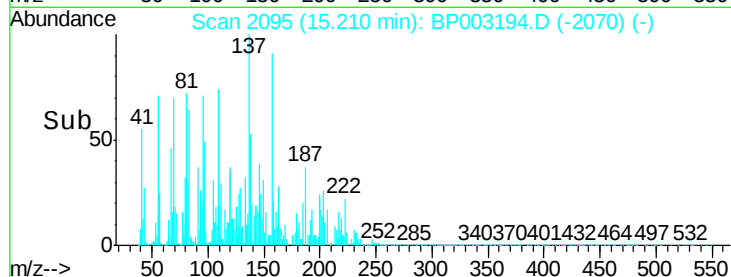
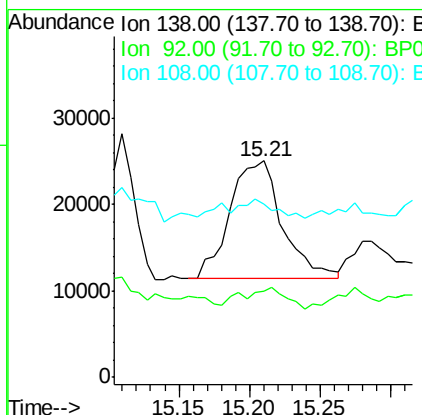
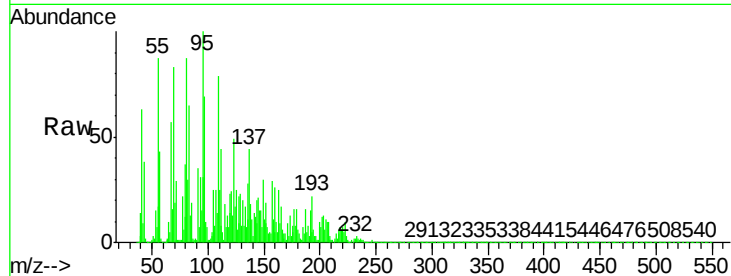




#62
4-Nitroaniline
Concen: 5.811 ng
RT: 15.21 min Scan# 2095
Delta R.T. -0.15 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

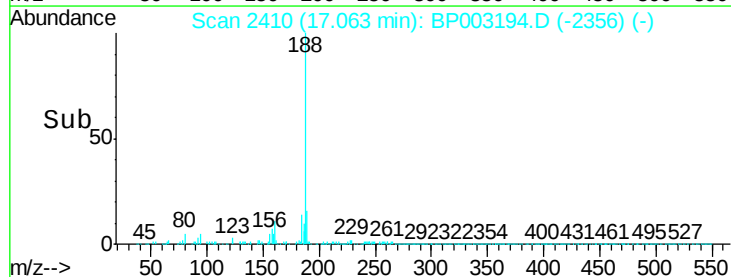
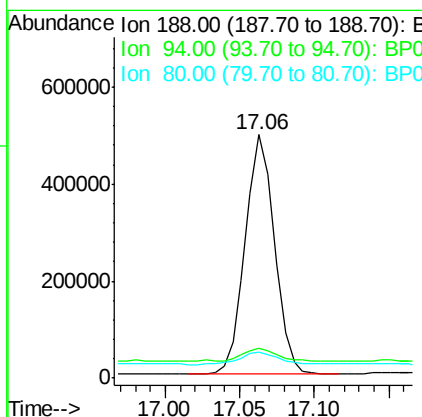
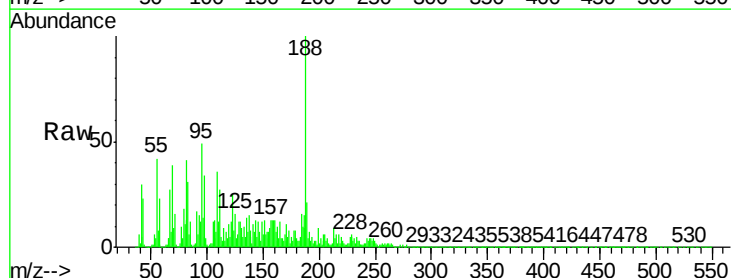
Instrument :
BNA_P
ClientSampleId :
VNJ-215

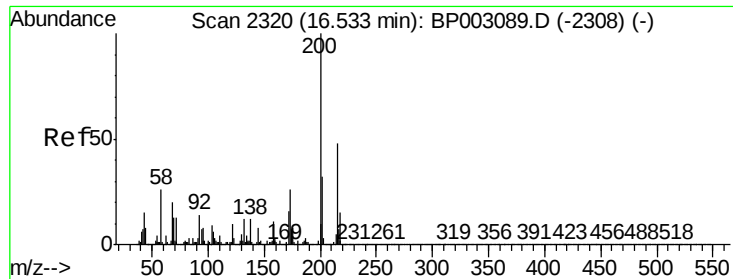
Tot Ion:138 Resp: 35671
Ion Ratio Lower Upper
138 100
92 39.6 20.7 60.7
108 80.2 47.8 87.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2410
Delta R.T. 0.02 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion:188 Resp: 670348
Ion Ratio Lower Upper
188 100
94 12.4 6.2 9.2#
80 10.9 6.2 9.2#

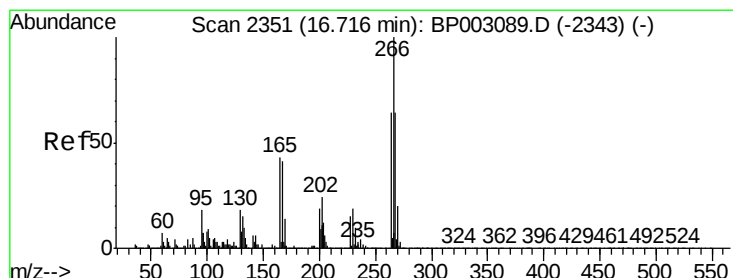
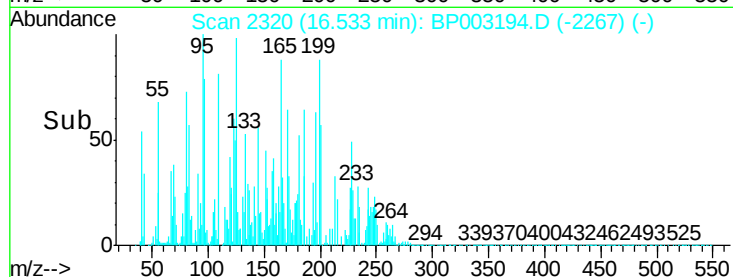
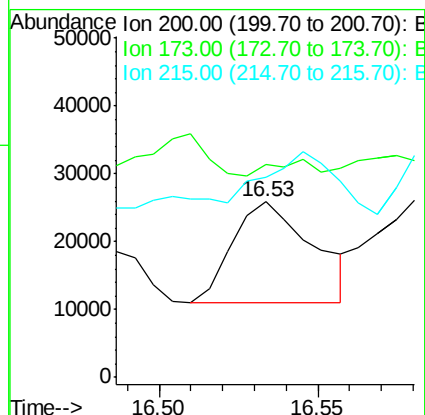
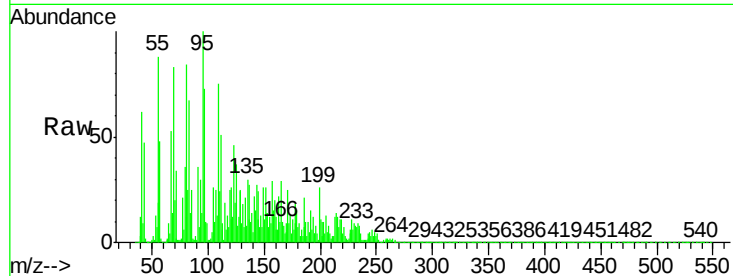




#69
Atrazine
Concen: 3.920 ng
RT: 16.53 min Scan# 2320
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

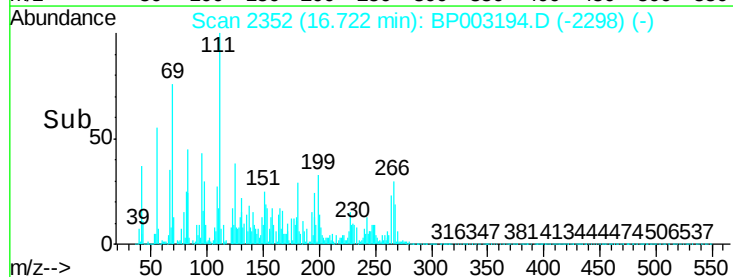
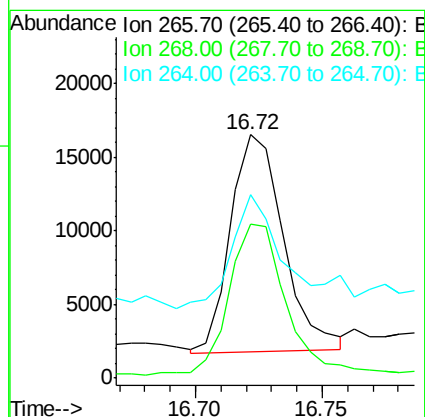
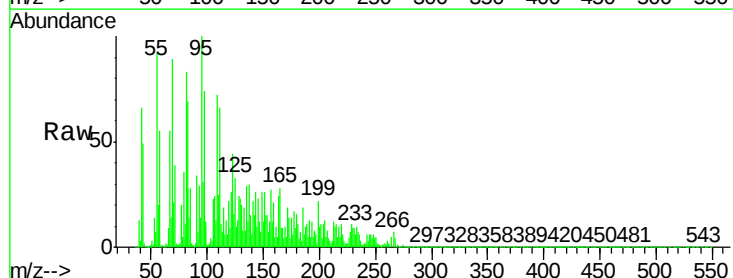
Instrument :
BNA_P
ClientSampleId :
VNJ-215

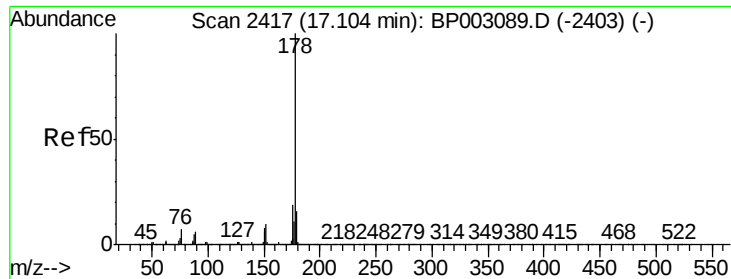
Tot Ion:200 Resp: 25918
Ion Ratio Lower Upper
200 100
173 121.5 5.9 45.9#
215 113.6 28.4 68.4#



#70
Pentachlorophenol
Concen: 5.108 ng
RT: 16.72 min Scan# 2352
Delta R.T. 0.02 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion:266 Resp: 21515
Ion Ratio Lower Upper
266 100
268 63.2 51.1 76.7
264 75.4 50.6 76.0





#71

Phenanthrene

Concen: 8.275 ng

RT: 17.10 min Scan# 2417

Delta R.T. 0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampled :

VNJ-215

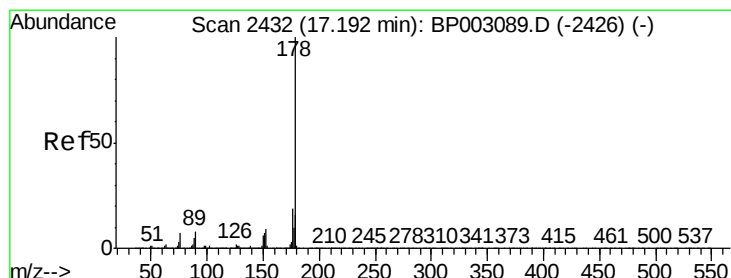
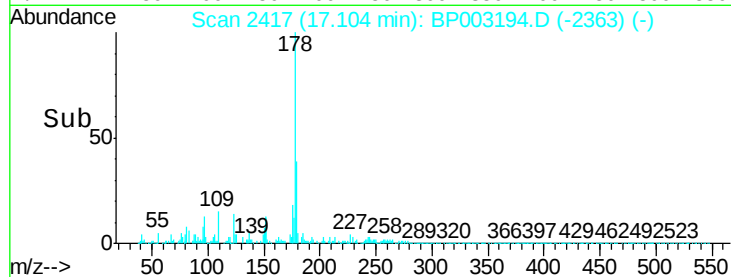
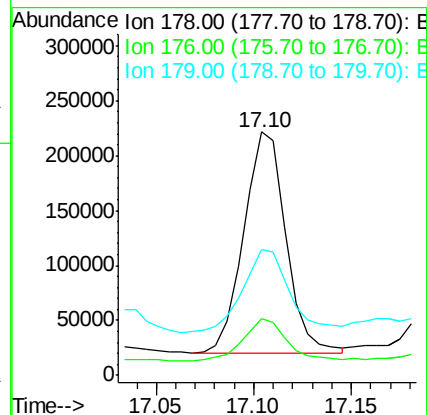
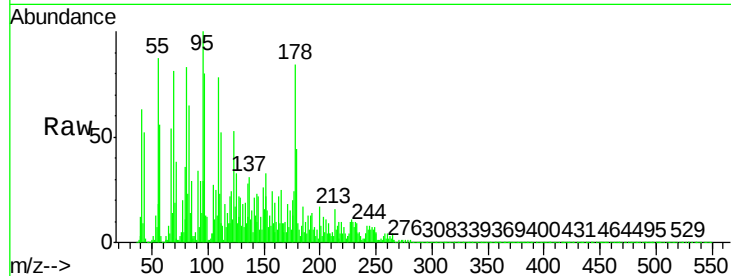
Tot Ion:178 Resp: 300589

Ion Ratio Lower Upper

178 100

176 23.2 15.3 22.9#

179 51.8 12.5 18.7#



#72

Anthracene

Concen: 4.703 ng

RT: 17.20 min Scan# 2433

Delta R.T. 0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

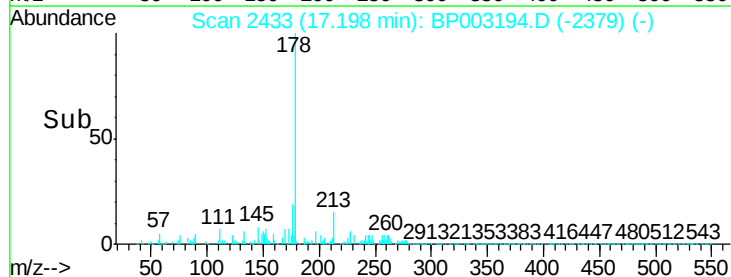
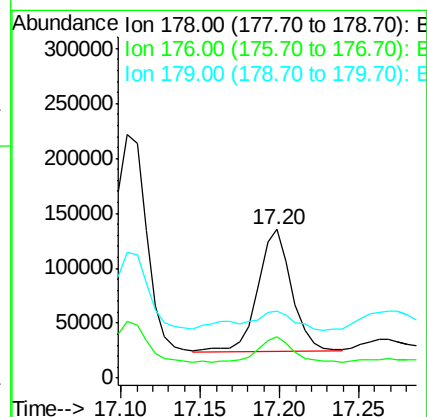
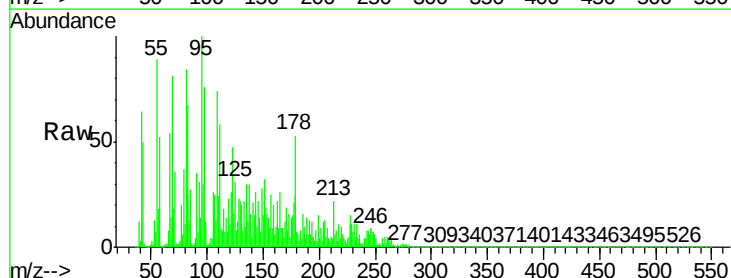
Tgt Ion:178 Resp: 163509

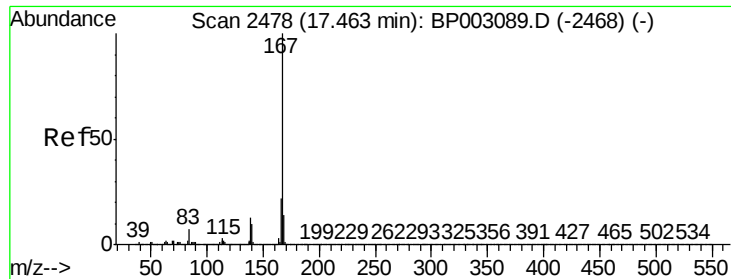
Ion Ratio Lower Upper

178 100

176 27.4 15.0 22.4#

179 45.5 12.5 18.7#

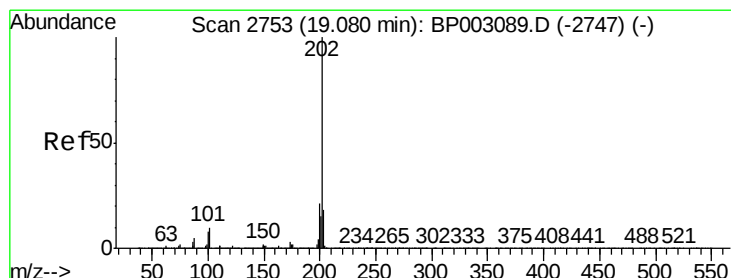
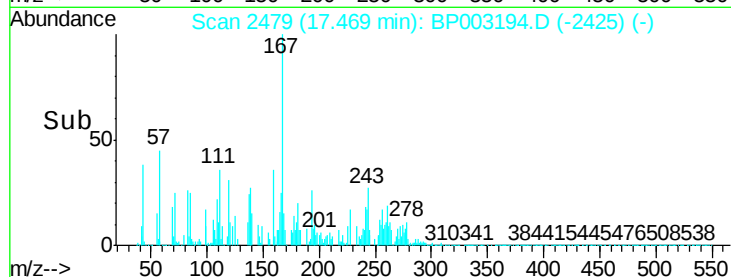
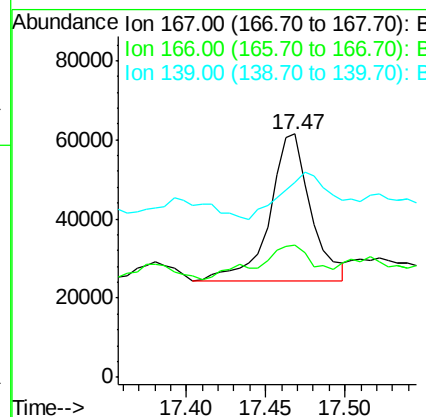
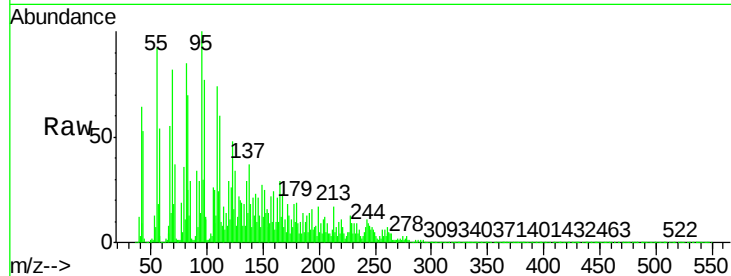




#73
 Carbazole
 Concen: 2.031 ng
 RT: 17.47 min Scan# 2479
 Delta R.T. 0.02 min
 Lab File: BP003194.D
 Acq: 02 Sep 2020 19:20

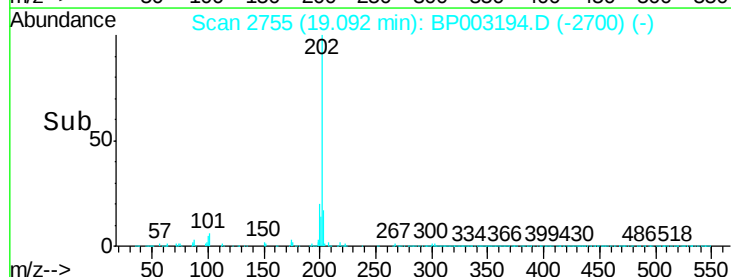
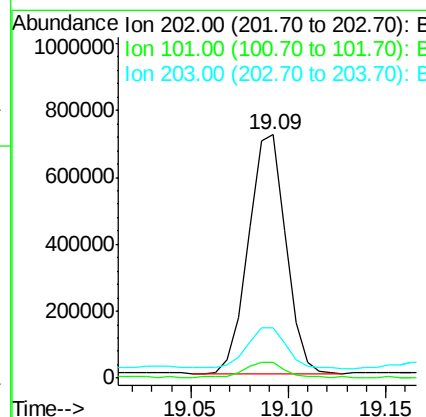
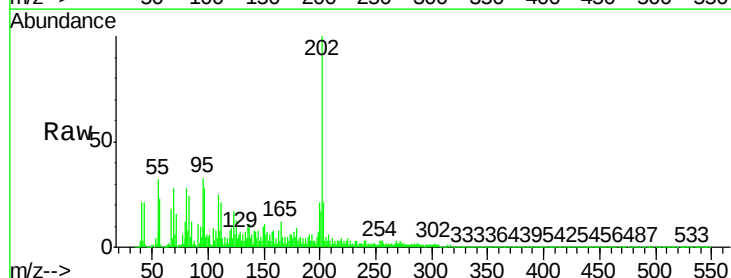
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-215

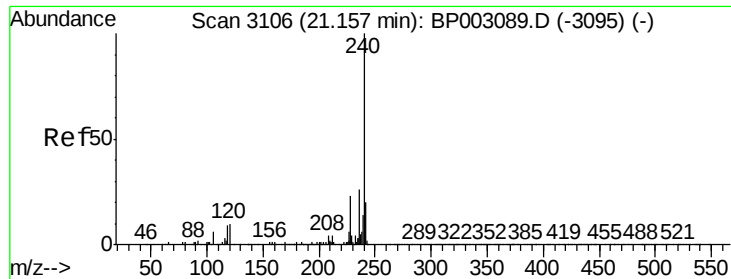
Tot Ion:167 Resp: 67767
 Ion Ratio Lower Upper
 167 100
 166 54.5 17.6 26.4#
 139 79.9 10.2 15.4#



#75
 Fluoranthene
 Concen: 22.579 ng
 RT: 19.09 min Scan# 2755
 Delta R.T. 0.02 min
 Lab File: BP003194.D
 Acq: 02 Sep 2020 19:20

Tgt Ion:202 Resp: 947906
 Ion Ratio Lower Upper
 202 100
 101 6.2 0.0 29.4
 203 20.9 0.0 37.8

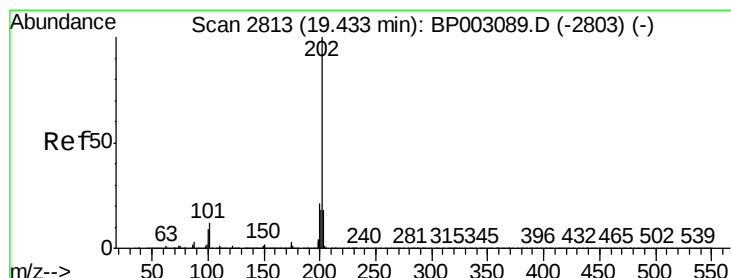
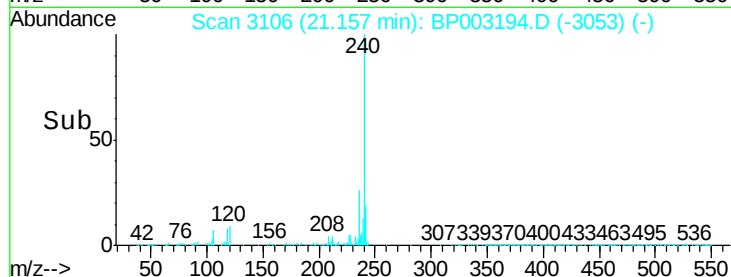
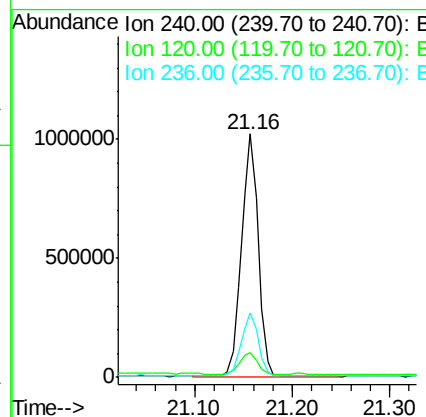
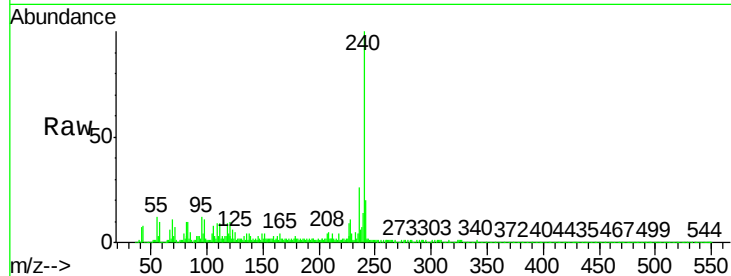




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

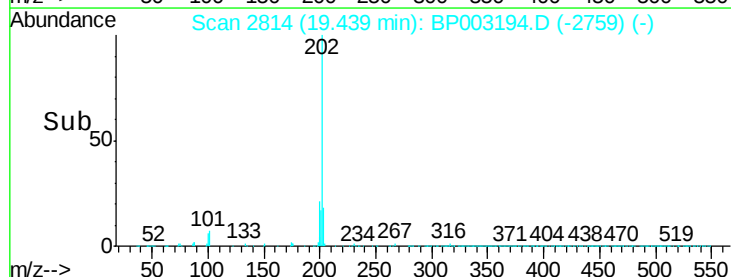
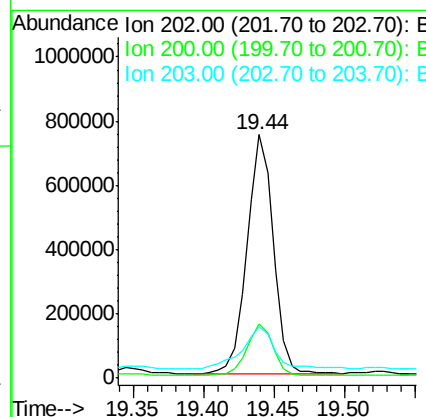
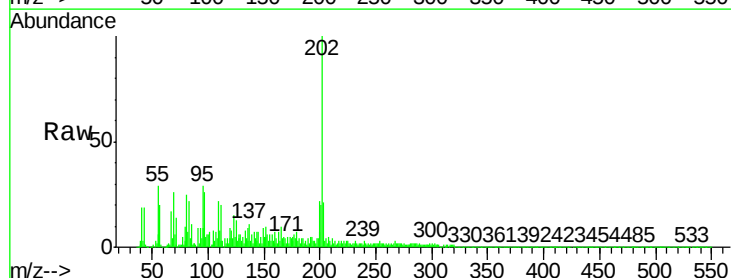
Instrument :
BNA_P
ClientSampleID :
VNJ-215

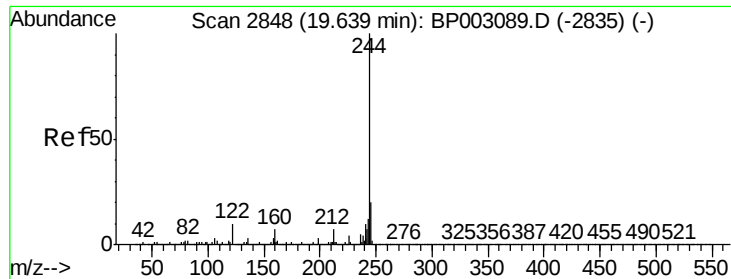
Tot Ion:240 Resp: 1202522
Ion Ratio Lower Upper
240 100
120 10.4 7.8 11.6
236 26.5 20.8 31.2



#78
Pyrene
Concen: 12.471 ng
RT: 19.44 min Scan# 2814
Delta R.T. 0.02 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion:202 Resp: 973314
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 21.2 14.2 21.2





#79

Terphenyl-d14

Concen: 22.538 ng

RT: 19.64 min Scan# 2848

Delta R.T. 0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampleId :

VNJ-215

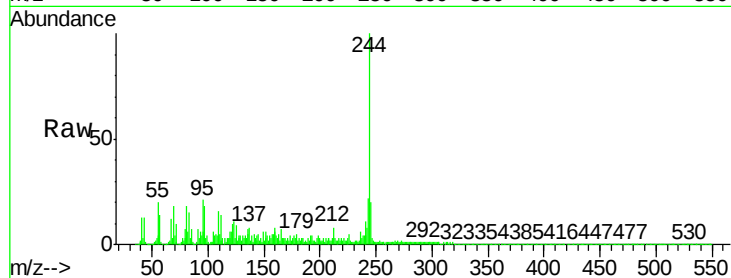
Tot Ion:244 Resp: 1231686

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.6

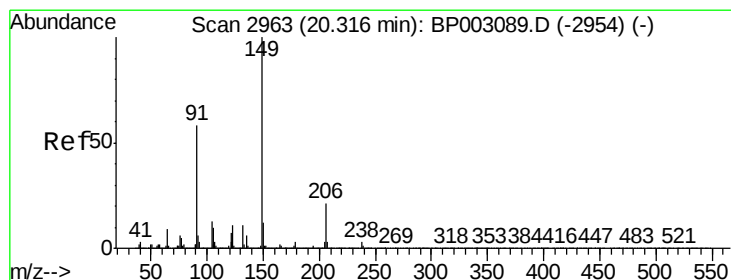
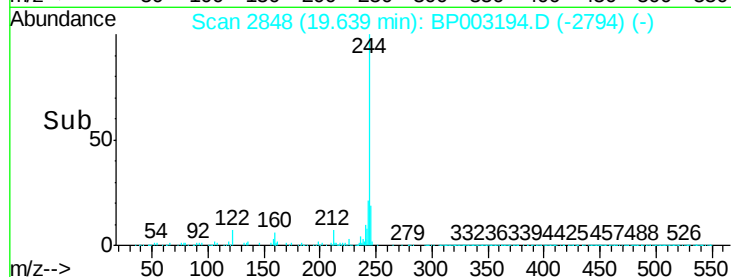
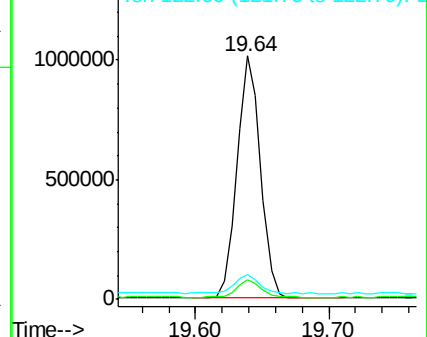
122 10.0 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 28.996 ng

RT: 20.32 min Scan# 2963

Delta R.T. 0.01 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

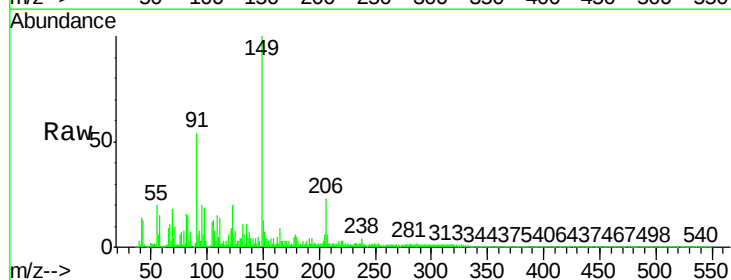
Tgt Ion:149 Resp: 931786

Ion Ratio Lower Upper

149 100

91 53.6 45.4 68.0

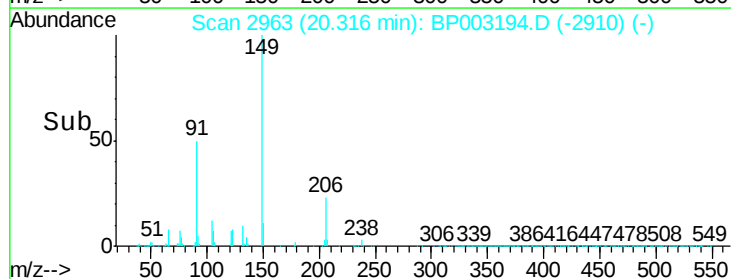
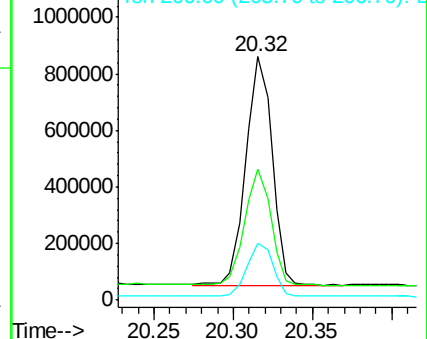
206 23.1 17.1 25.7

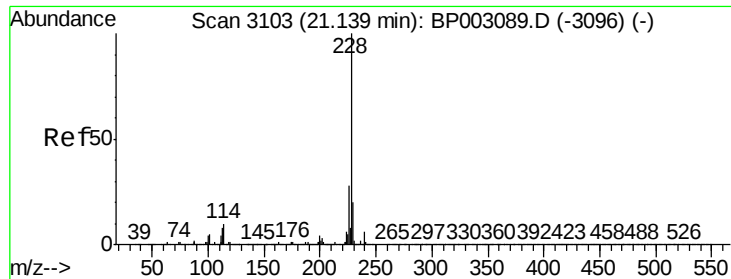


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

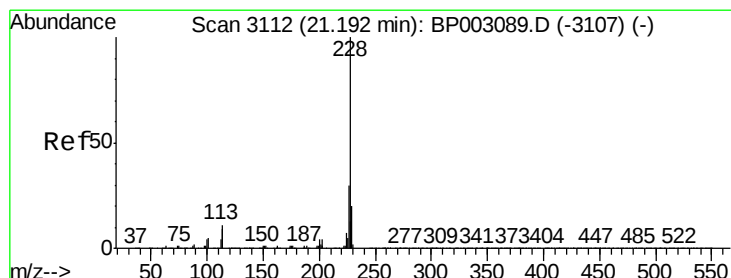
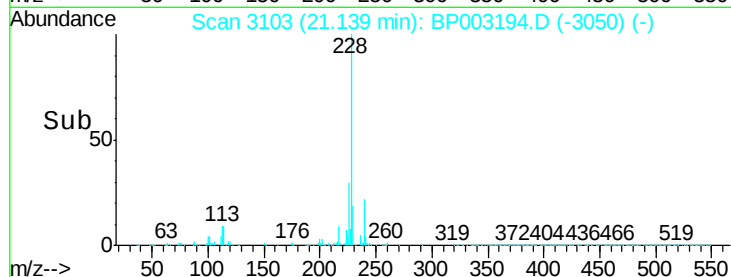
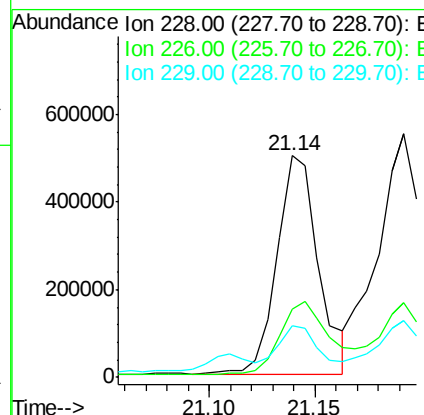
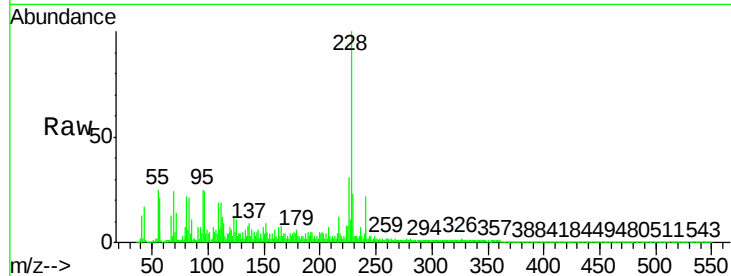




#81
Benzo(a)anthracene
Concen: 9.065 ng
RT: 21.14 min Scan# 3103
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

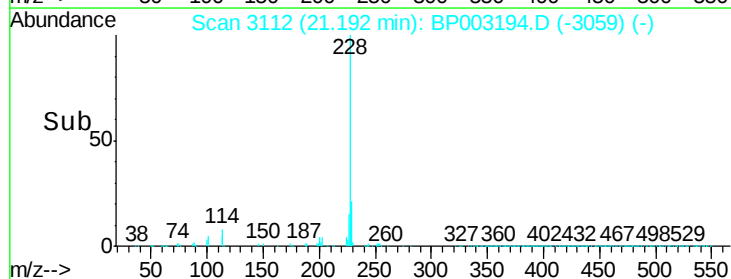
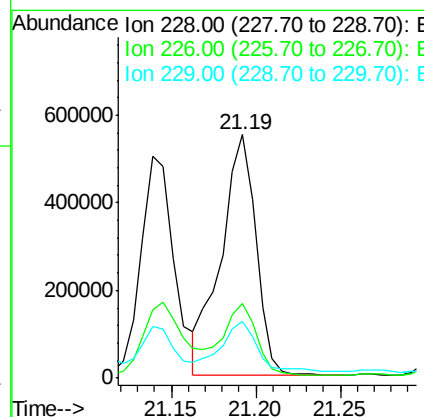
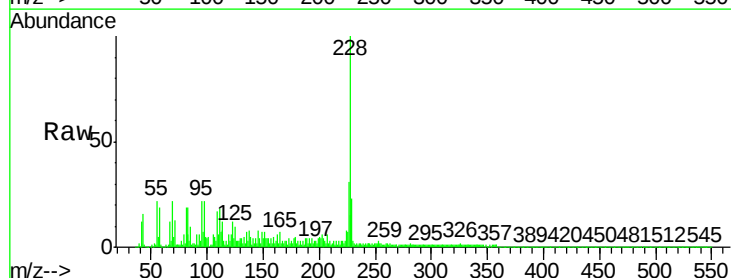
Instrument :
BNA_P
ClientSampleId :
VNJ-215

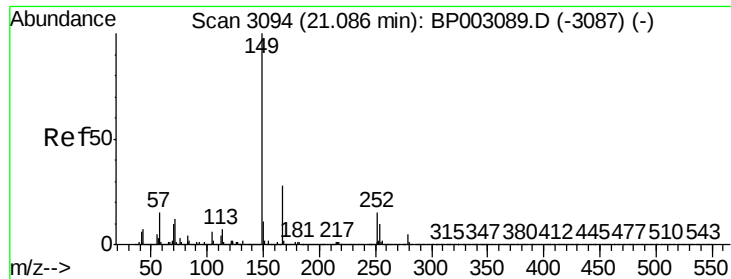
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.1	33.1
229	23.2	15.9	23.9



#83
Chrysene
Concen: 10.954 ng
RT: 21.19 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BP003194.D
Acq: 02 Sep 2020 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	23.2	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.988 ng

RT: 21.08 min Scan# 3093

Delta R.T. 0.01 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampleId :

VNJ-215

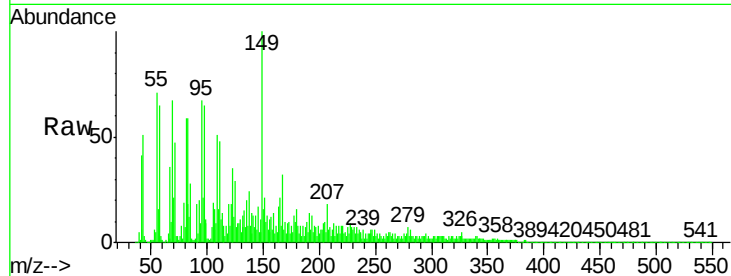
Tot Ion:149 Resp: 185050

Ion Ratio Lower Upper

149 100

167 32.5 22.6 34.0

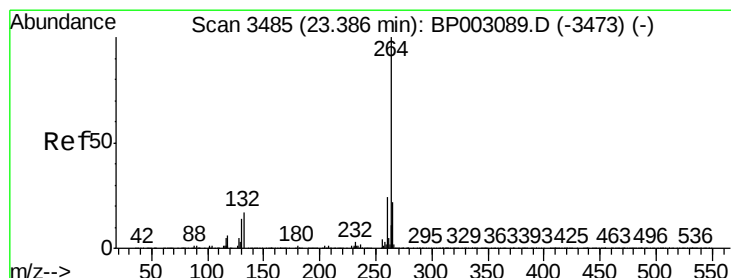
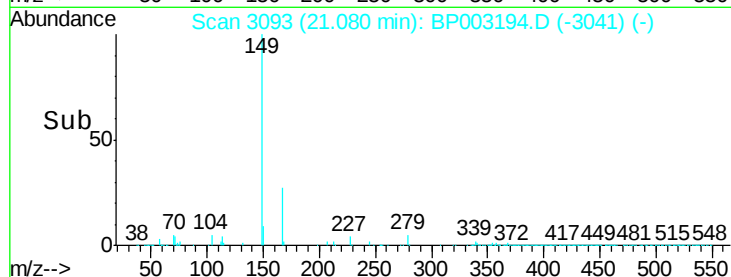
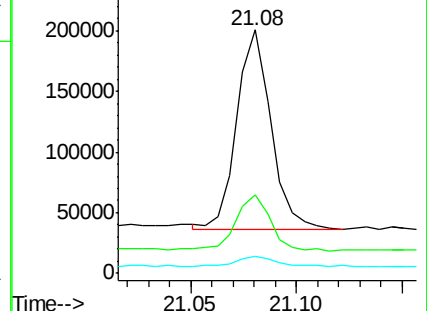
279 7.3 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.39 min Scan# 3486

Delta R.T. 0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

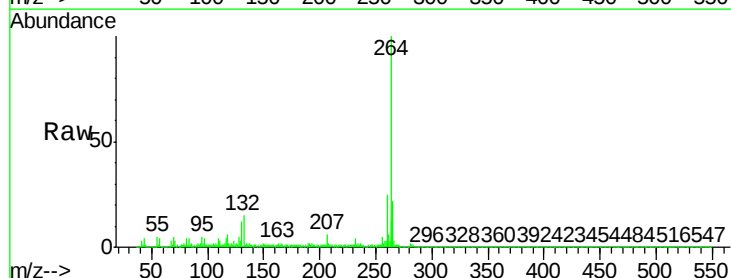
Tgt Ion:264 Resp: 1432449

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

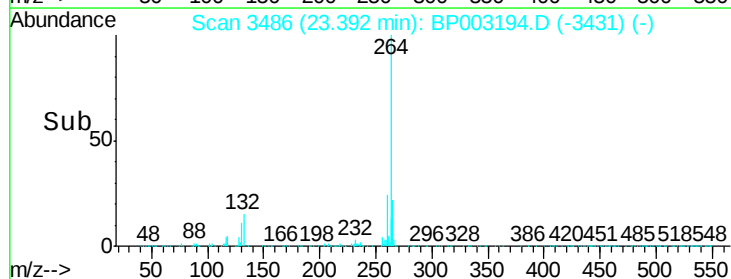
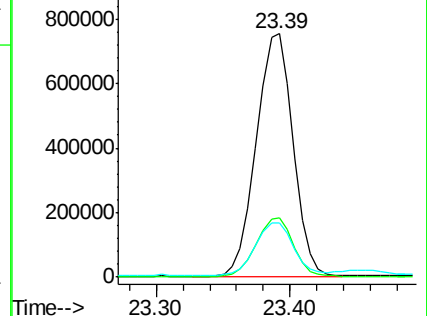
265 22.4 17.4 26.2

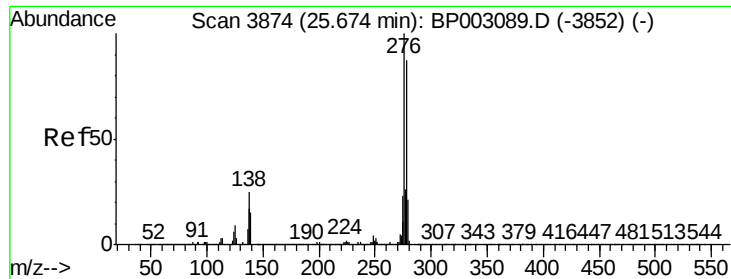


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

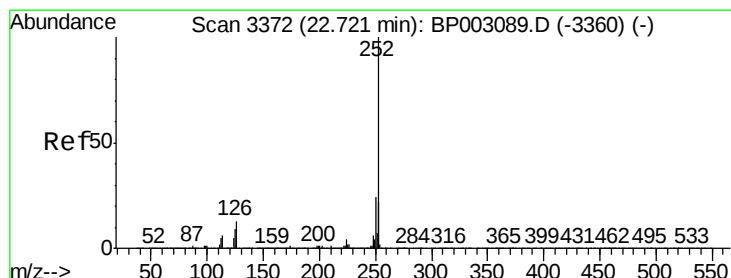
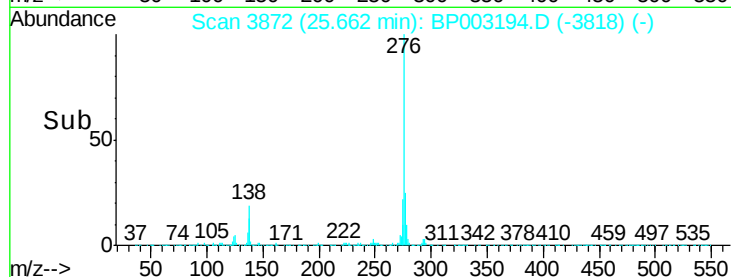
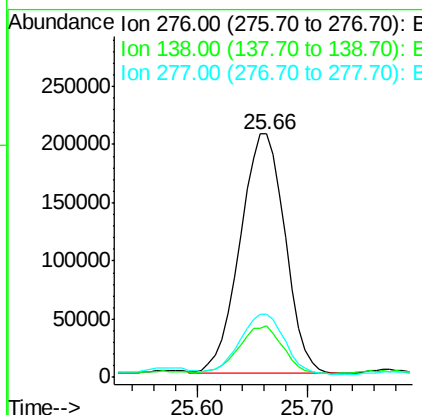
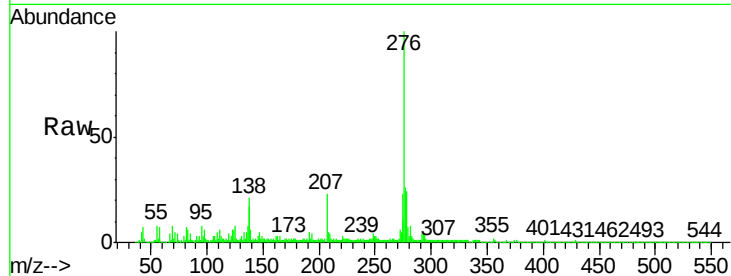




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.522 ng
 RT: 25.66 min Scan# 3872
 Delta R.T. 0.02 min
 Lab File: BP003194.D
 Acq: 02 Sep 2020 19:20

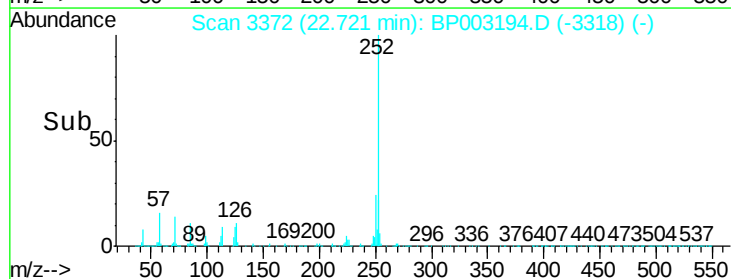
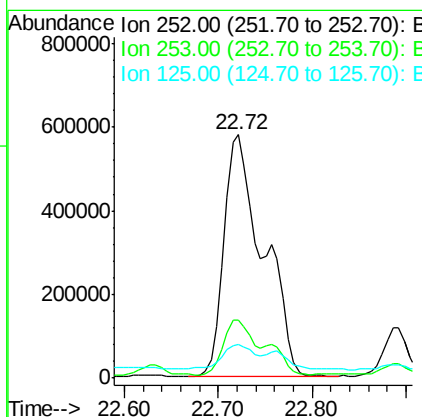
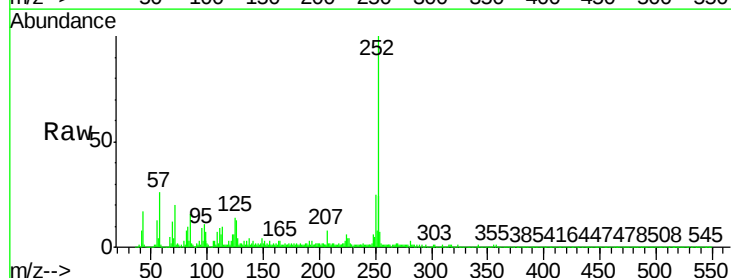
Instrument :
 BNA_P
 ClientSampled :
 VNJ-215

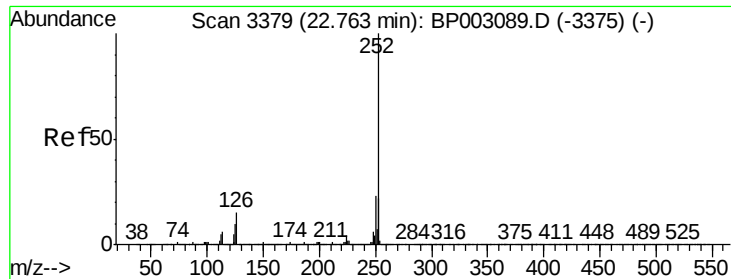
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.7	28.1
277	25.1	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 18.732 ng
 RT: 22.72 min Scan# 3372
 Delta R.T. 0.02 min
 Lab File: BP003194.D
 Acq: 02 Sep 2020 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	13.7	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 19.606 ng

RT: 22.72 min Scan# 3372

Delta R.T. -0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampleId :

VNJ-215

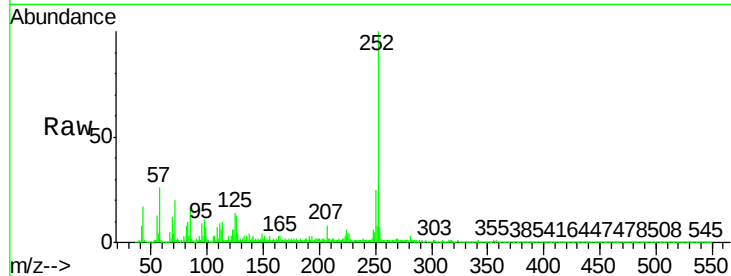
Tot Ion:252 Resp: 1667759

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

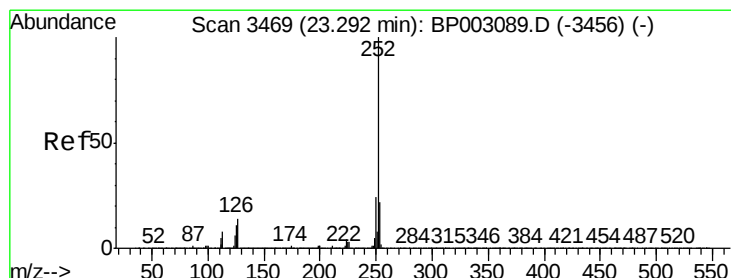
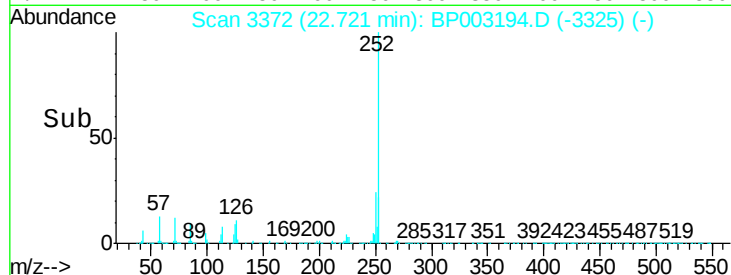
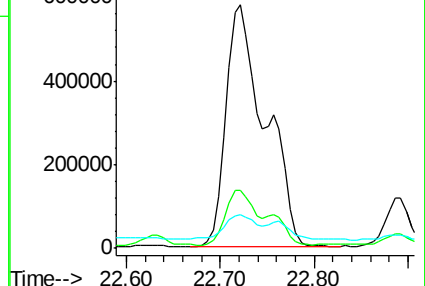
125 13.7 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 9.341 ng

RT: 23.29 min Scan# 3469

Delta R.T. 0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

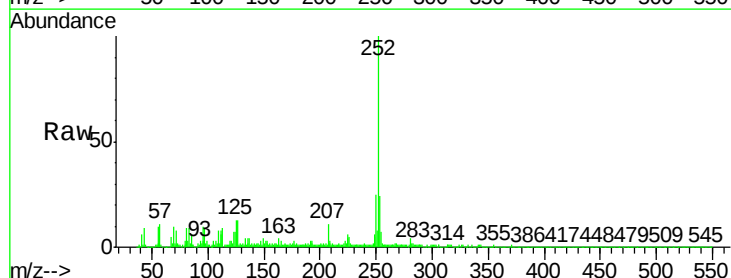
Tgt Ion:252 Resp: 771540

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

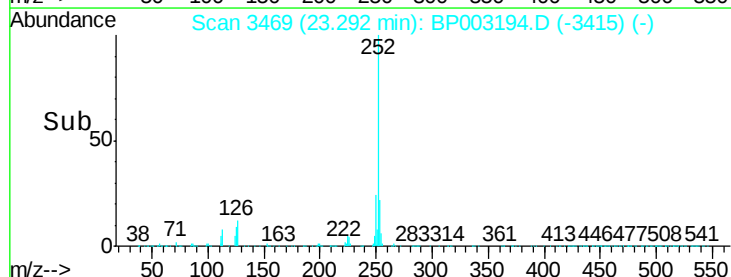
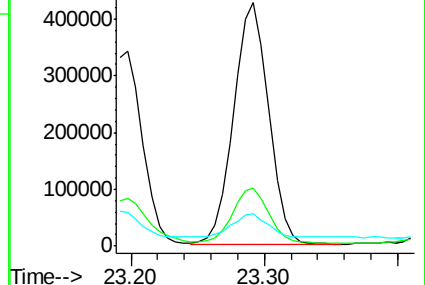
125 13.3 8.2 12.4#

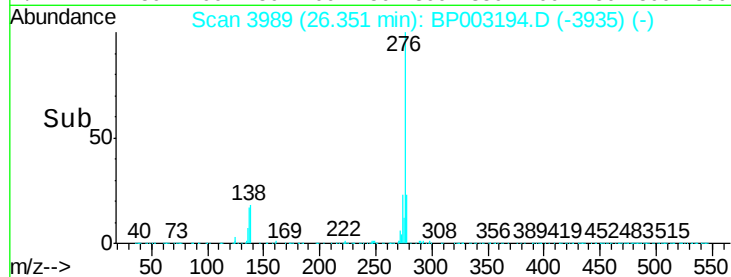
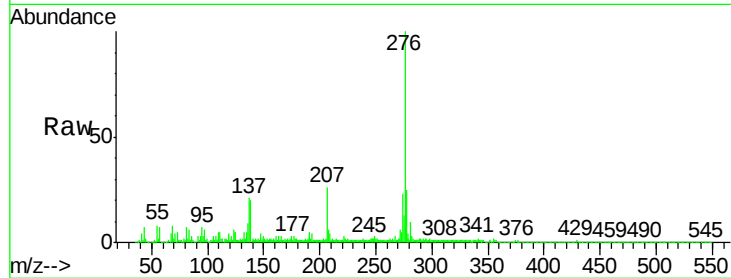
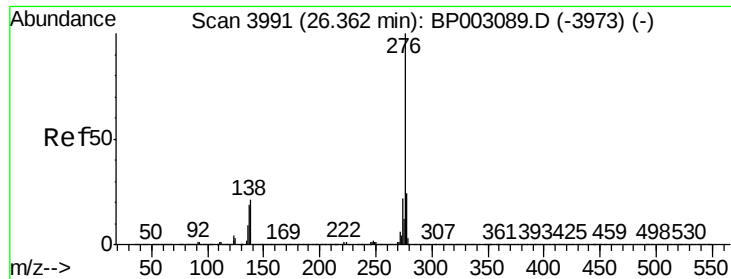


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 6.534 ng

RT: 26.35 min Scan# 3989

Delta R.T. 0.02 min

Lab File: BP003194.D

Acq: 02 Sep 2020 19:20

Instrument :

BNA_P

ClientSampleId :

VNJ-215

Tot Ion:276 Resp: 575409

Ion Ratio Lower Upper

276 100

277 25.2 19.0 28.6

138 20.3 16.6 24.8

