

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000517.D
 Acq On : 04 Oct 2019 19:12
 Operator : JU
 Sample : K5204-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 04 23:41:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	253386	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	933098	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	533881	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	989383	20.00	ng	0.00
76) Chrysene-d12	13.98	240	811727	20.00	ng	0.00
87) Perylene-d12	15.46	264	907326	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1238307	78.56	ng	0.00
7) Phenol-d6	6.40	99	1558927	82.07	ng	0.00
23) Nitrobenzene-d5	7.32	82	863599	56.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	488223	85.82	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1967168	59.62	ng	0.00
79) Terphenyl-d14	12.92	244	2336579	58.28	ng	0.00

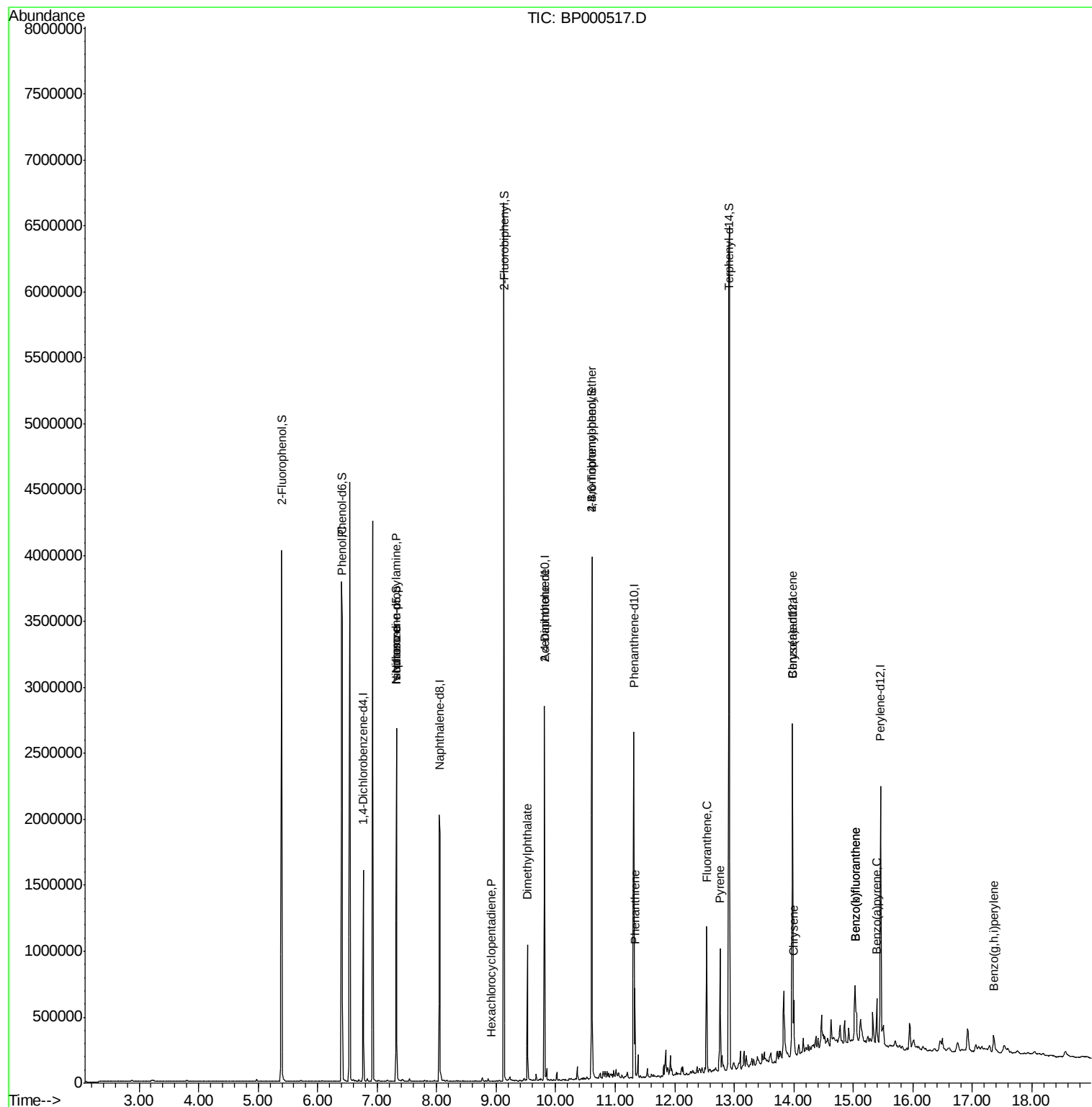
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	52842	2.717	ng	99
19) n-Nitroso-di-n-propylamine	7.32	70	106601	12.175	ng	# 74
25) Isophorone	7.32	82	863304	31.839	ng	# 61
41) Hexachlorocyclopentadiene	8.92	237	15	7.299	ng	80
50) Dimethylphthalate	9.53	163	445423	12.007	ng	99
57) 2,4-Dinitrotoluene	9.81	165	69096	6.442	ng	# 31
67) 4-Bromophenyl-phenylether	10.60	248	33908	3.045	ng	# 1
71) Phenanthrene	11.33	178	260081	5.234	ng	99
75) Fluoranthene	12.53	202	419918	7.525	ng	98
78) Pyrene	12.76	202	355674	6.353	ng	99
81) Benzo(a)anthracene	13.97	228	165047	3.332	ng	94
83) Chrysene	14.00	228	178749	3.677	ng	97
88) Benzo(b)fluoranthene	15.03	252	314985	6.119	ng	98
89) Benzo(k)fluoranthene	15.03	252	314985	6.427	ng	98
90) Benzo(a)pyrene	15.39	252	158898	3.311	ng	97
92) Benzo(g,h,i)perylene	17.36	276	107234	2.268	ng	98

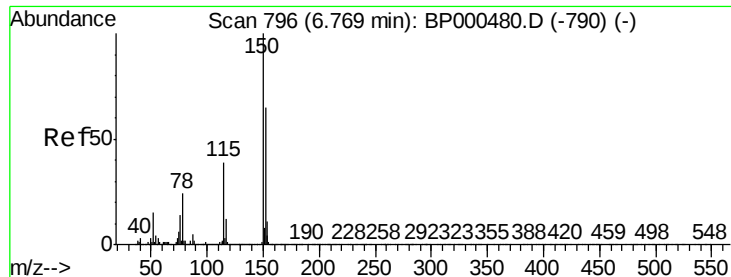
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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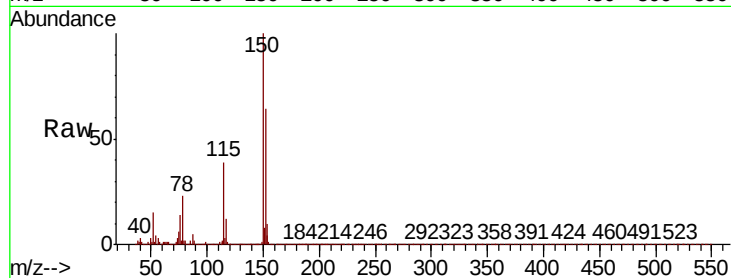


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.1	186.1
115	60.8	48.7	73.1

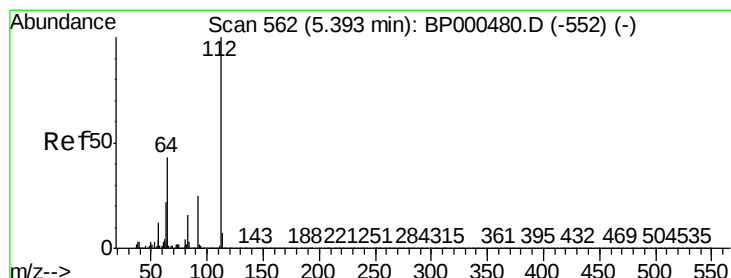
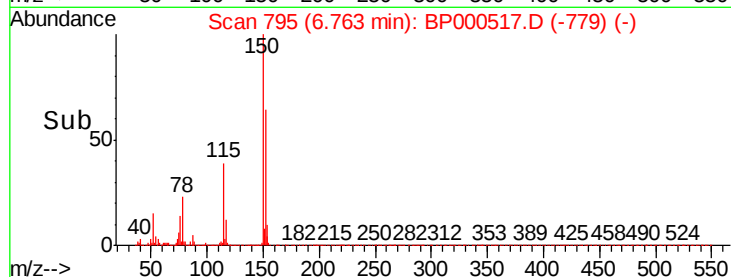
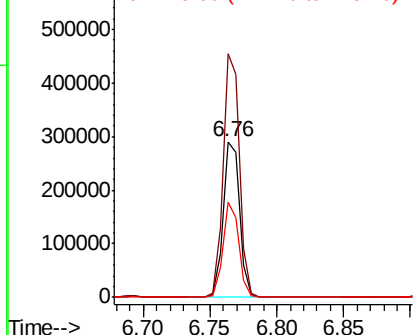


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

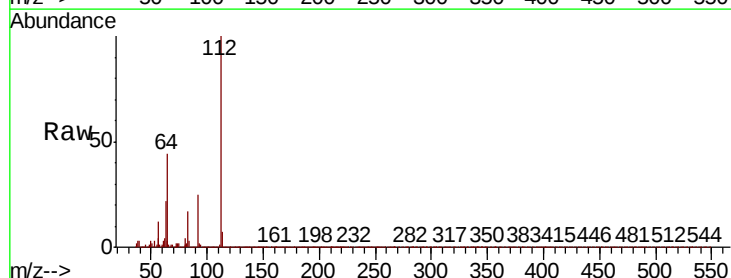
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.556 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.5	34.2	51.4
63	22.4	17.9	26.9

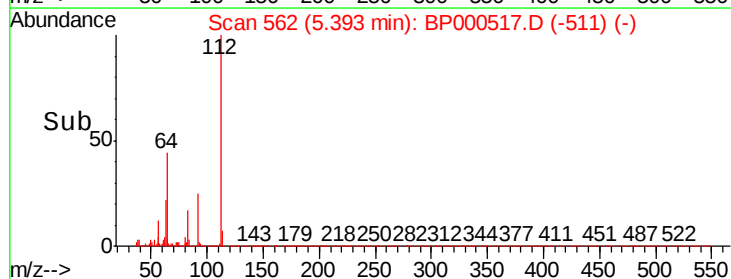
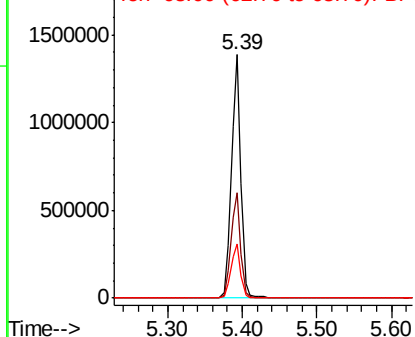


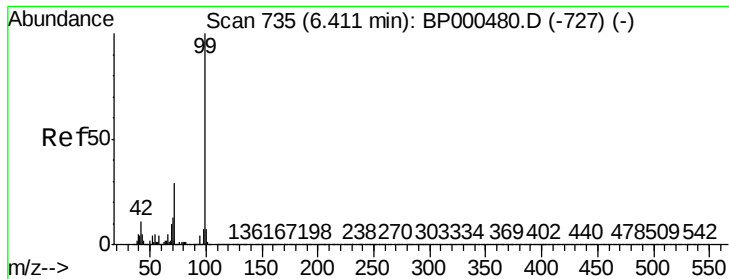
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 82.068 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

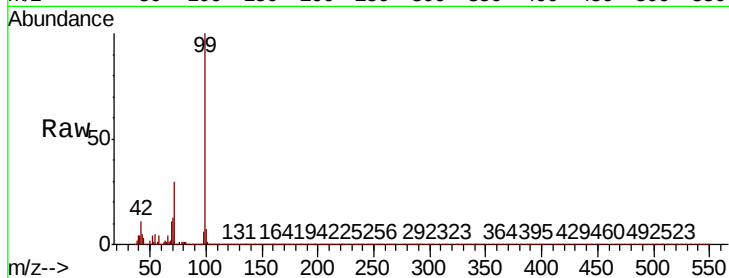
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1558927

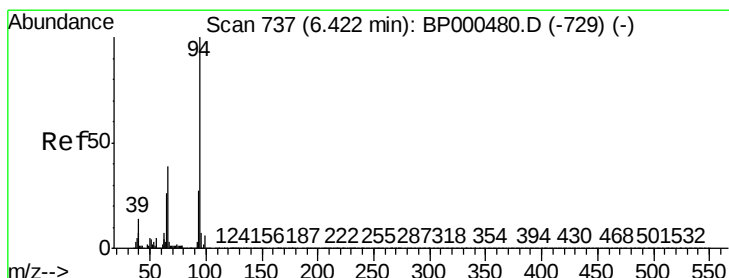
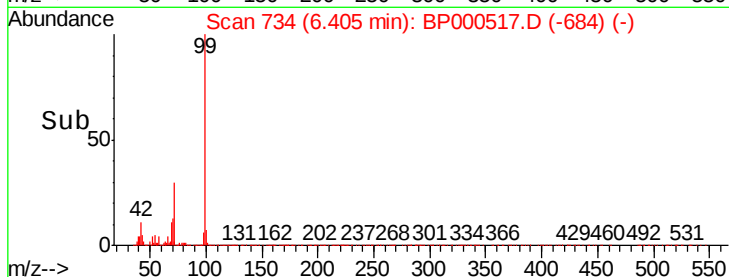
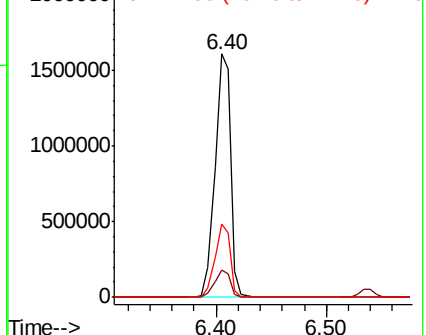
Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.6	12.8
71	30.1	23.0	34.4



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 2.717 ng

RT: 6.42 min Scan# 736

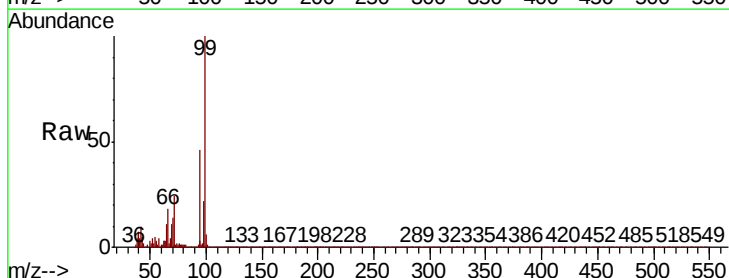
Delta R.T. -0.01 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

Tgt Ion: 94 Resp: 52842

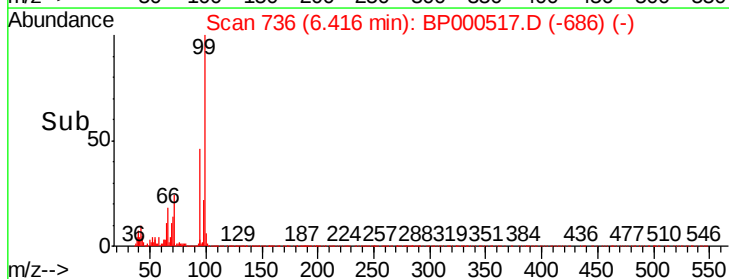
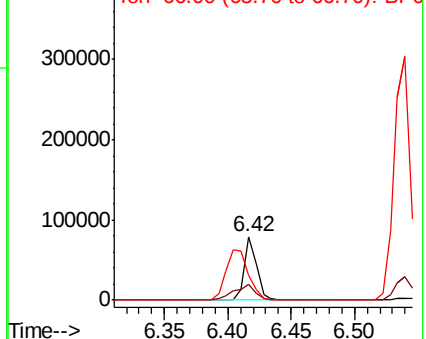
Ion	Ratio	Lower	Upper
94	100		
65	24.6	5.9	45.9
66	39.0	18.8	58.8

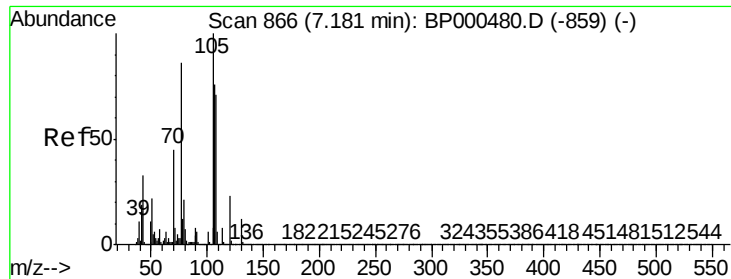


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

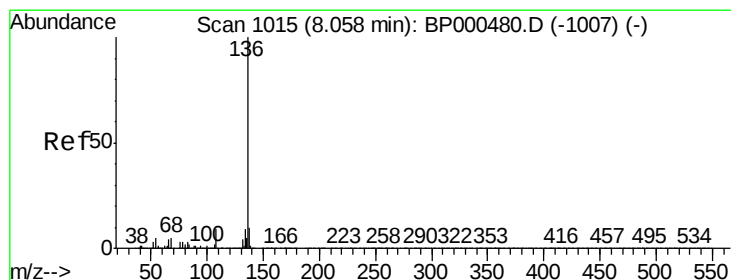
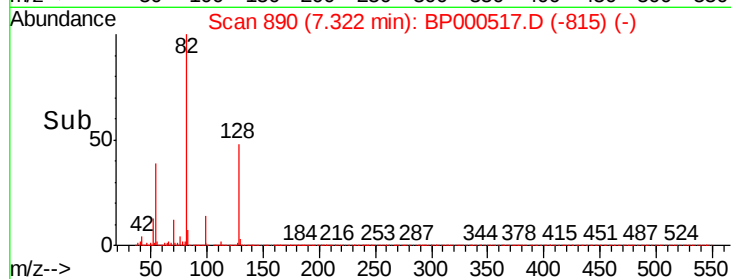
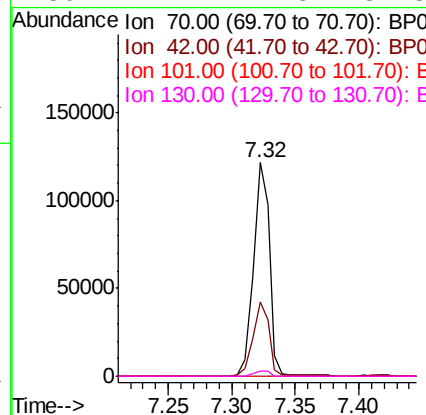
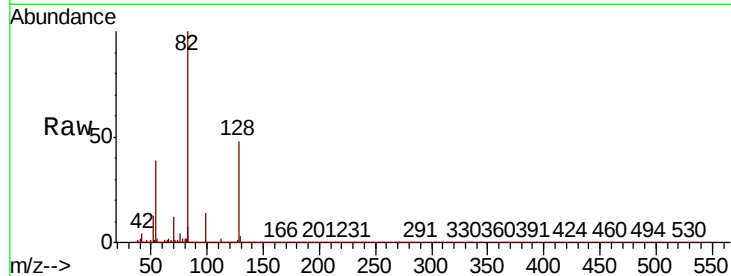




#19
n-Nitroso-di-n-propylamine
Concen: 12.175 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.14 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

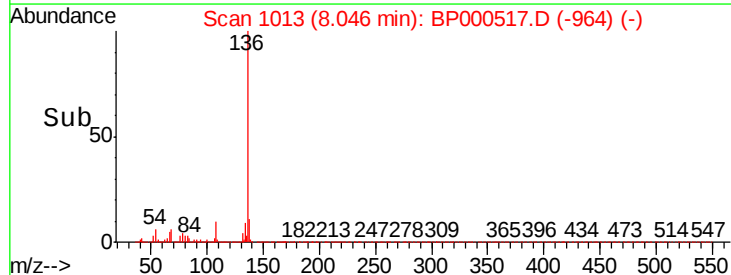
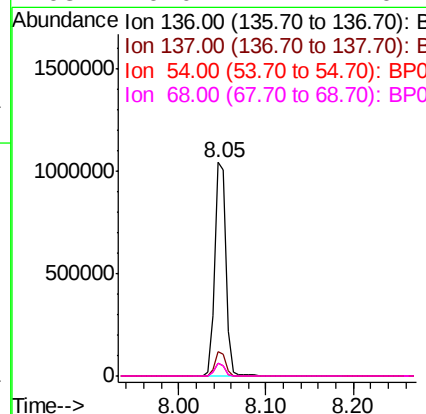
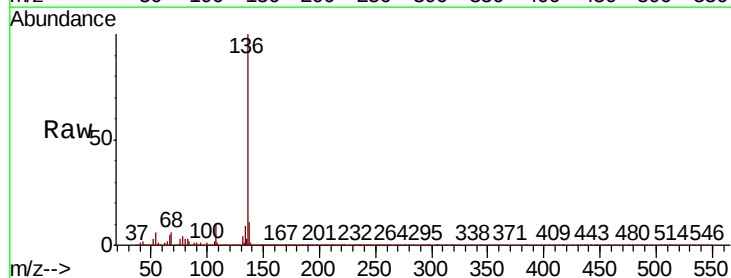
Instrument :
BNA_P
ClientSampleId :

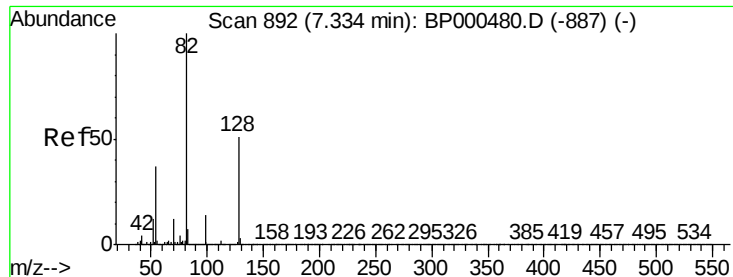
Tot Ion:	70	Resp:	106601
Ion	Ratio	Lower	Upper
70	100		
42	34.8	33.2	49.8
101	0.1	9.9	14.9#
130	2.4	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion:	136	Resp:	933098
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	6.0	4.1	6.1
68	6.0	4.1	6.1

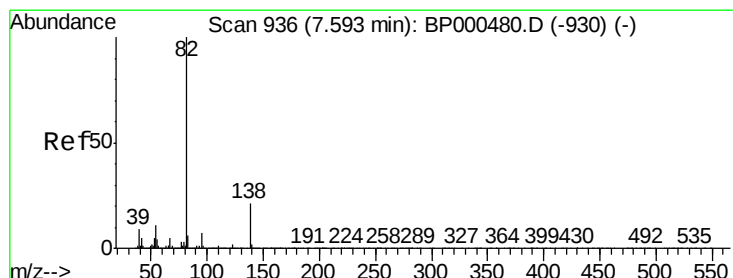
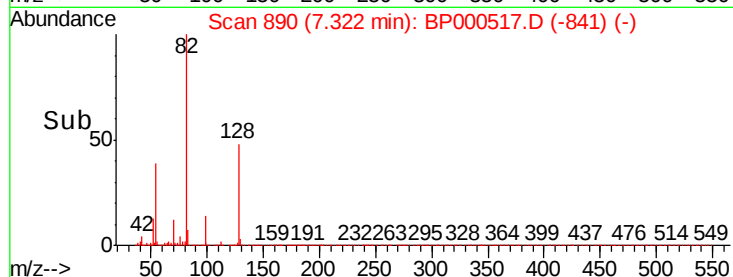
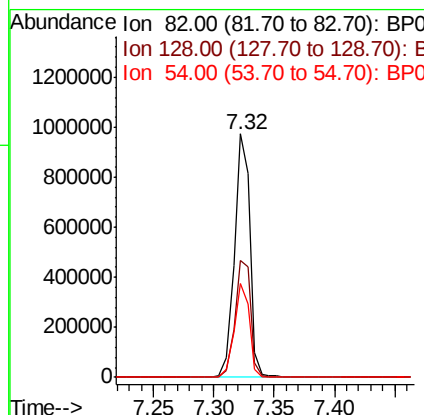
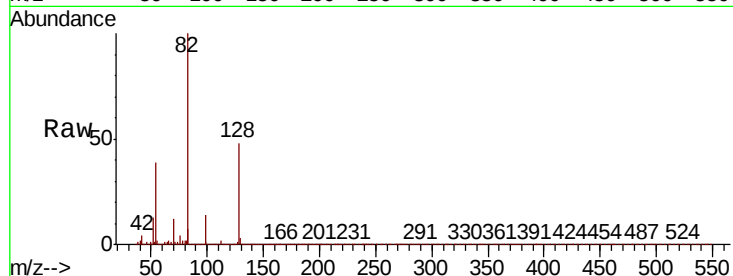




#23
Nitrobenzene-d5
Concen: 56.526 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

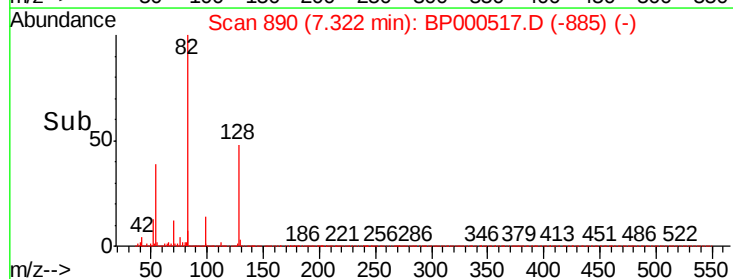
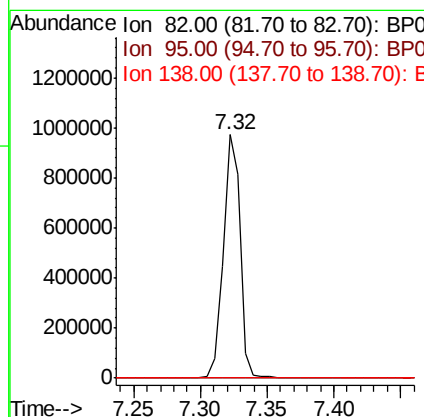
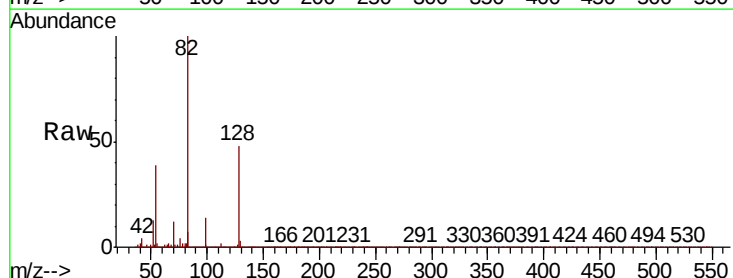
Instrument :
BNA_P
ClientSampleId :

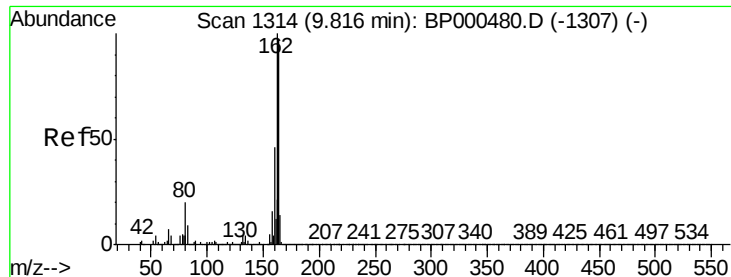
Tot Ion	82	Resp	863599
Ion Ratio	Lower	Upper	
82	100		
128	48.0	40.9	61.3
54	38.8	29.4	44.2



#25
Isophorone
Concen: 31.839 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.27 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion	82	Resp	863304
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	17.0	25.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

Instrument :

BNA_P

ClientSampleId :

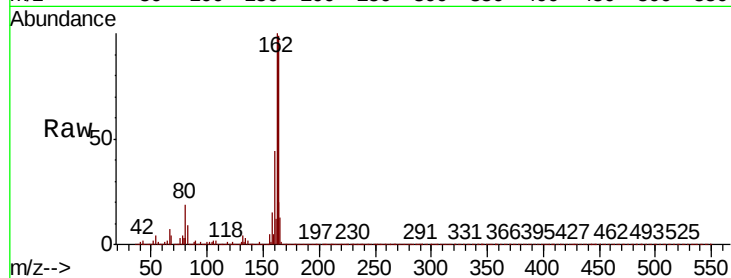
Tot Ion:164 Resp: 533881

Ion Ratio Lower Upper

164 100

162 100.8 82.2 123.2

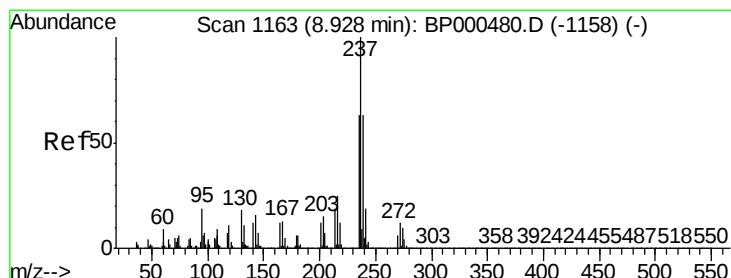
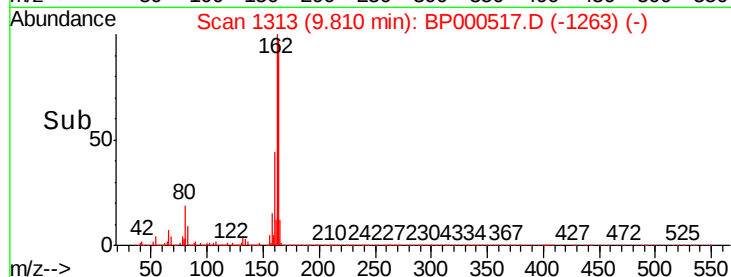
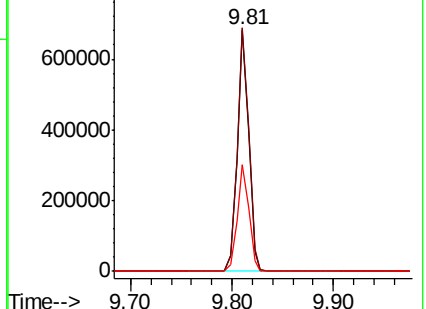
160 44.4 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 7.299 ng

RT: 8.92 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

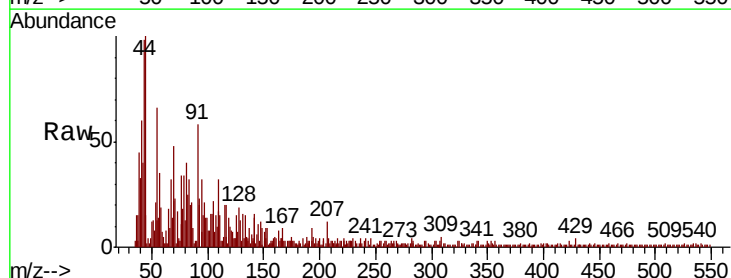
Tgt Ion:237 Resp: 15

Ion Ratio Lower Upper

237 100

235 50.0 42.9 82.9

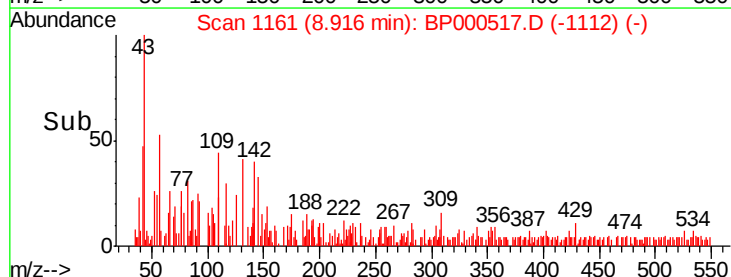
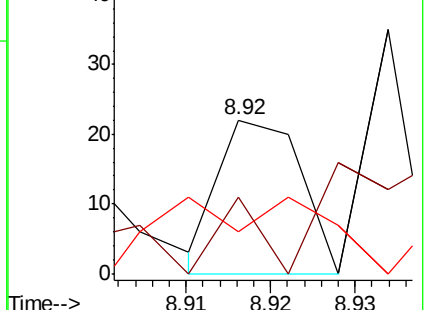
272 27.3 0.0 32.4

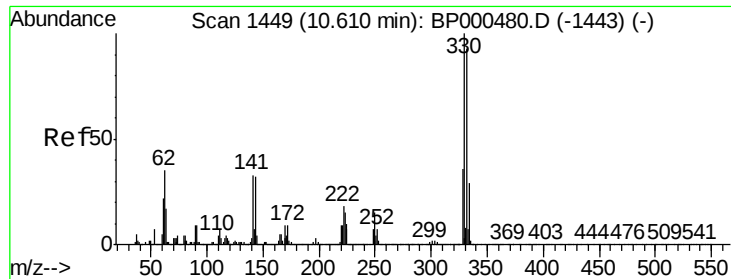


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

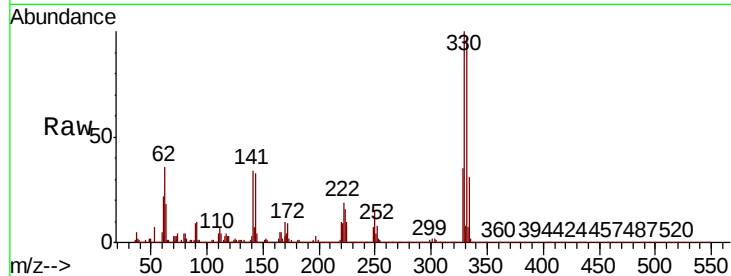




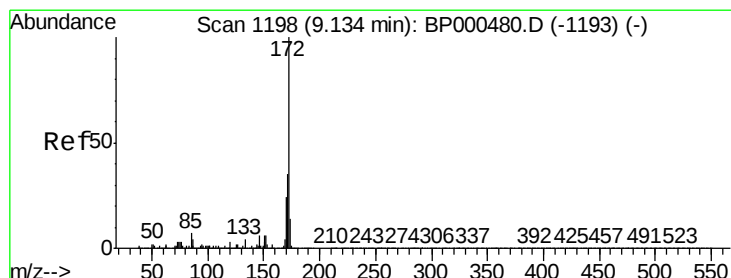
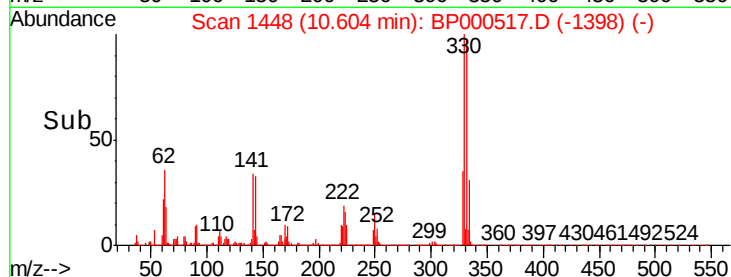
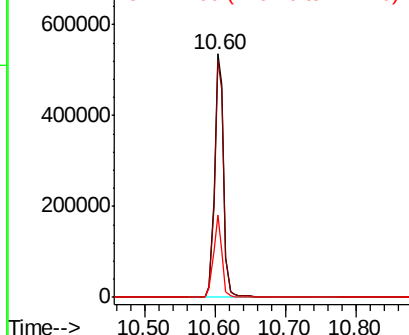
#42
2,4,6-Tribromophenol
Concen: 85.817 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 488223
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 31.4 26.0 39.0

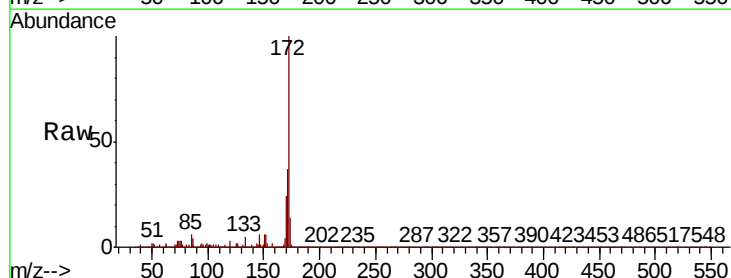


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

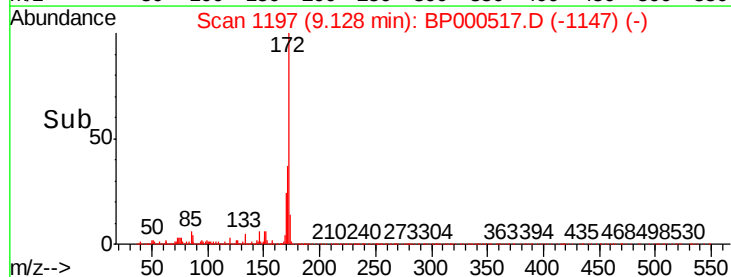
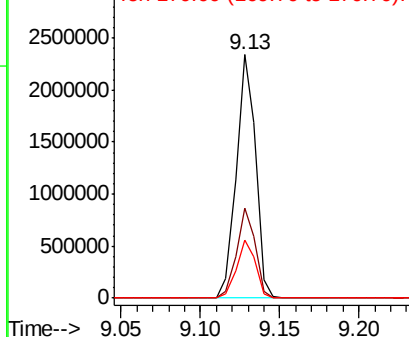


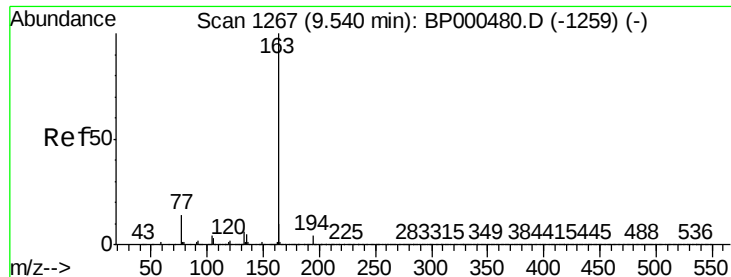
#45
2-Fluorobiphenyl
Concen: 59.618 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion:172 Resp: 1967168
Ion Ratio Lower Upper
172 100
171 37.0 28.4 42.6
170 24.0 19.1 28.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 12.007 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

Instrument :

BNA_P

ClientSampleId :

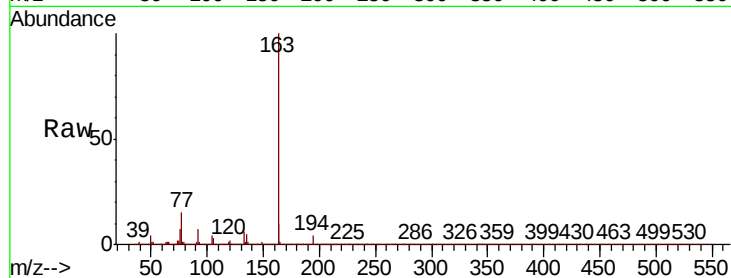
Tot Ion:163 Resp: 445423

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

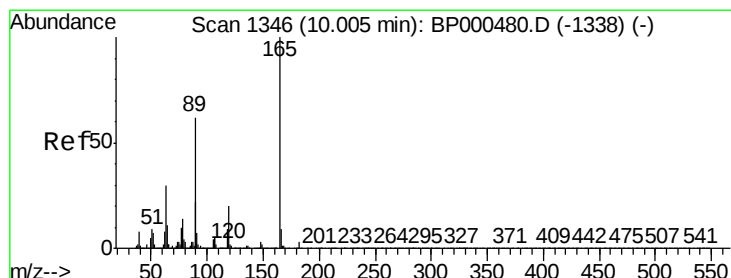
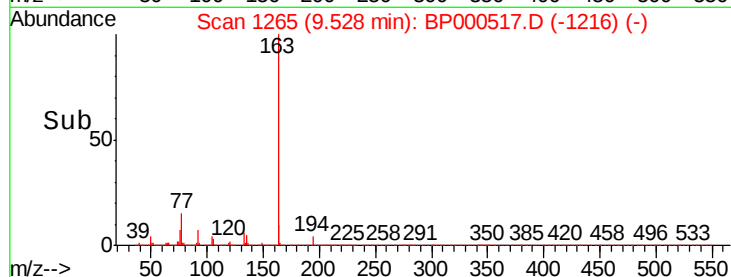
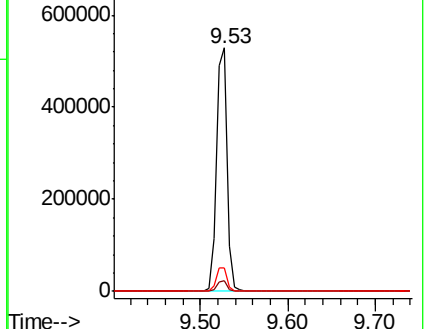
164 9.7 8.0 12.0



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



#57

2,4-Dinitrotoluene

Concen: 6.442 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

Tgt Ion:165 Resp: 69096

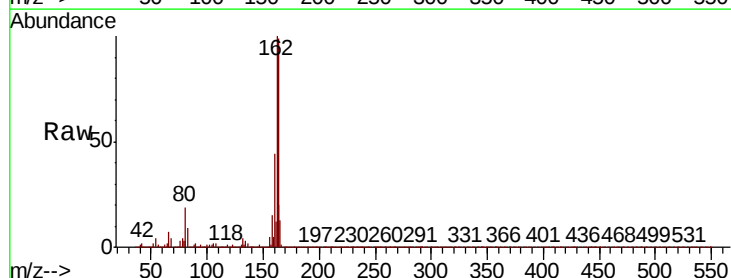
Ion Ratio Lower Upper

165 100

63 0.9 24.2 36.4#

89 1.2 49.4 74.0#

182 0.3 2.5 3.7#

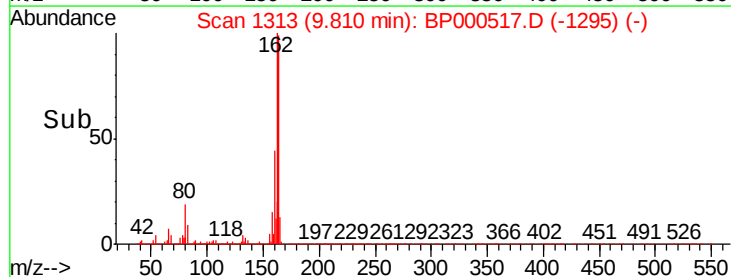
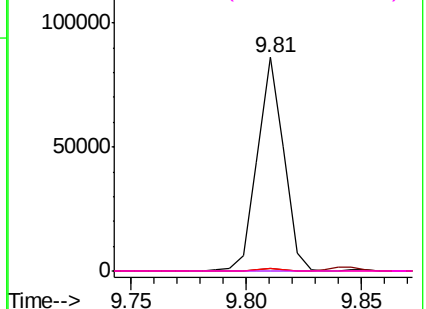


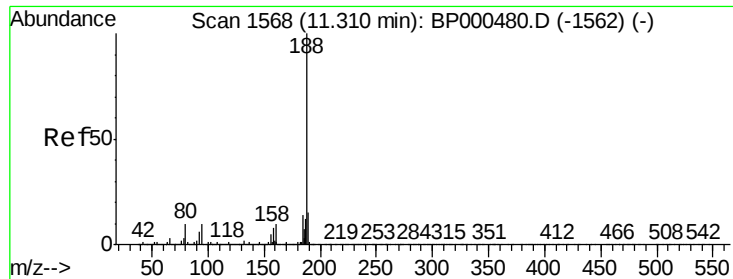
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

Instrument :

BNA_P

ClientSampled :

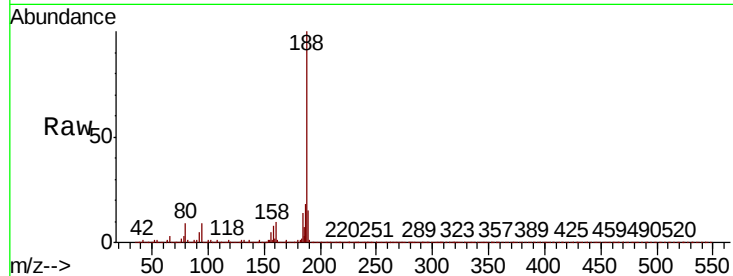
Tot Ion:188 Resp: 989383

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

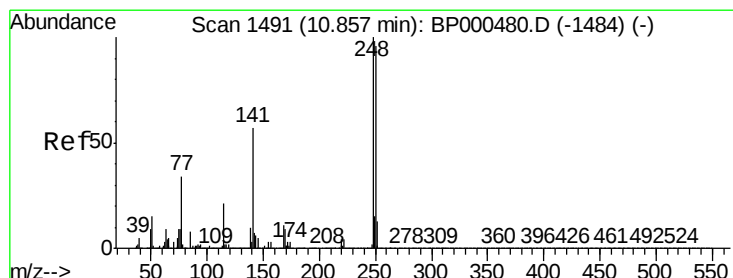
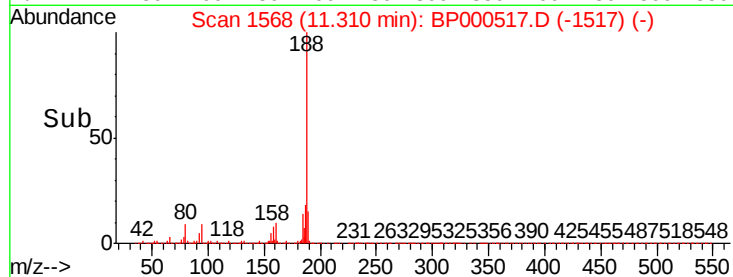
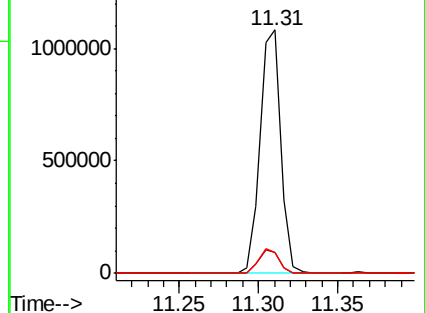
80 8.6 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#67

4-Bromophenyl-phenylether

Concen: 3.045 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

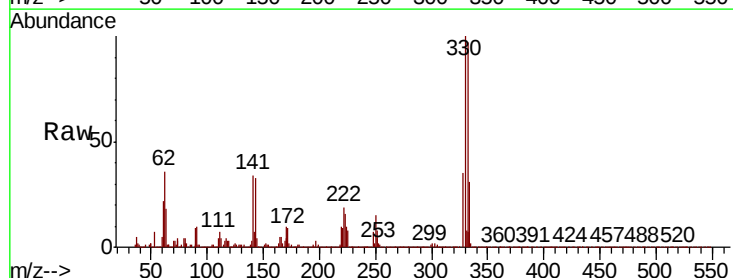
Tgt Ion:248 Resp: 33908

Ion Ratio Lower Upper

248 100

250 205.6 77.2 115.8#

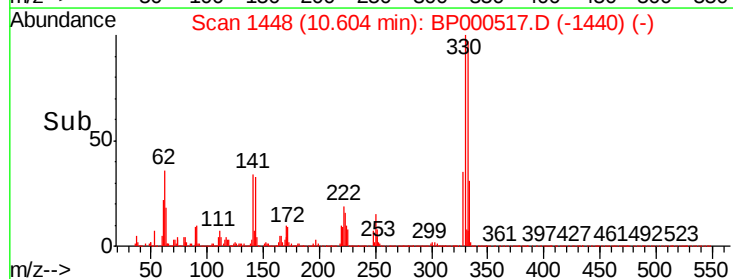
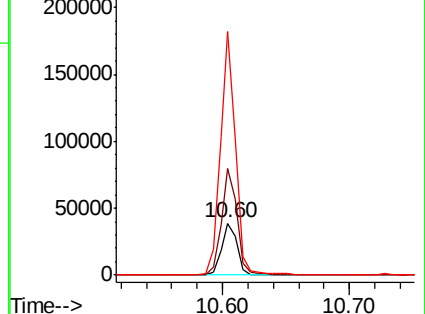
141 469.7 45.3 67.9#

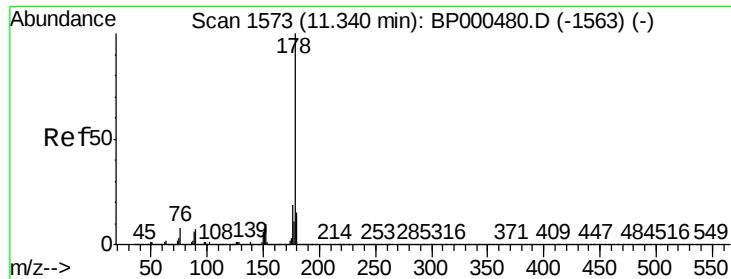


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

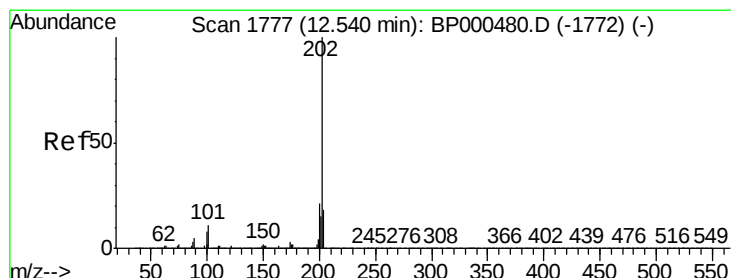
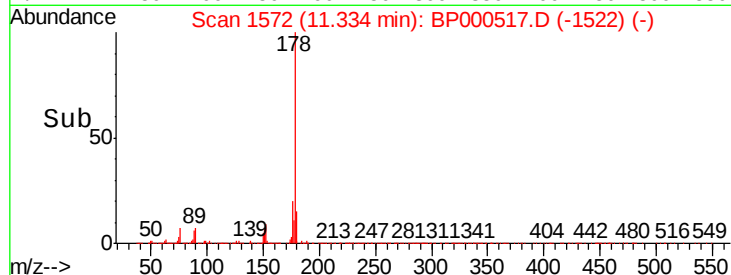
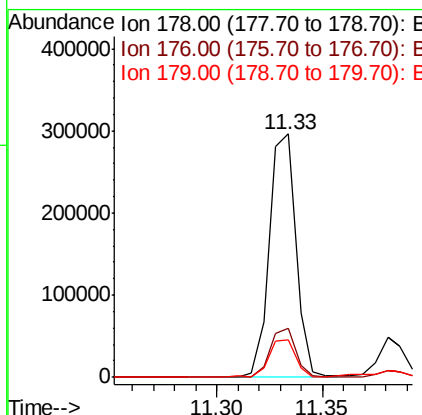
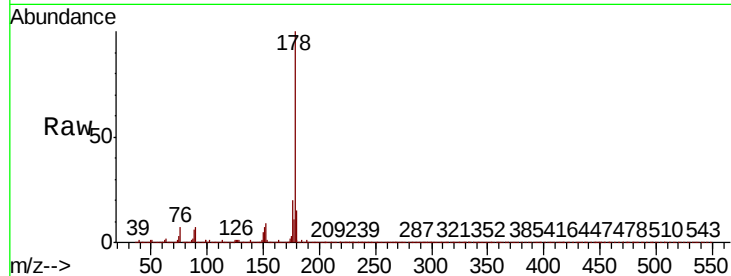




#71
Phenanthrene
Concen: 5.234 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

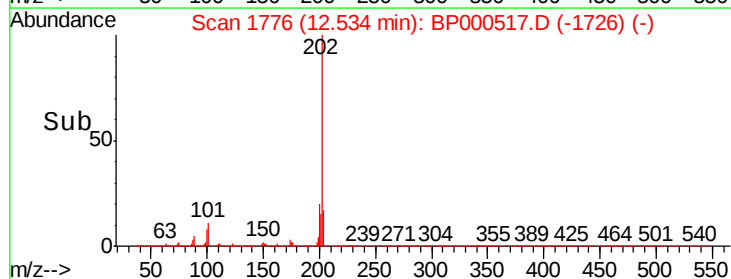
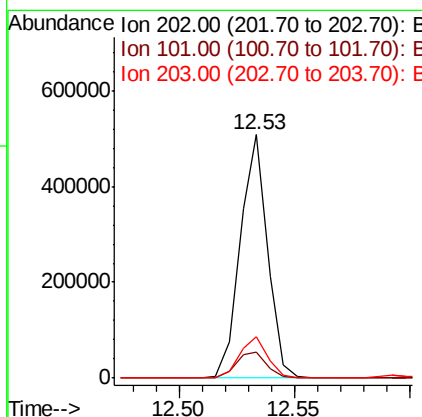
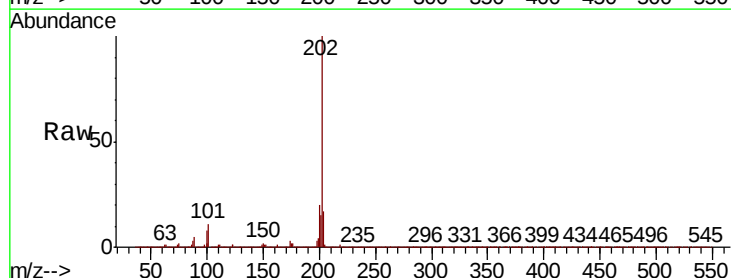
Instrument :
BNA_P
ClientSampleId :

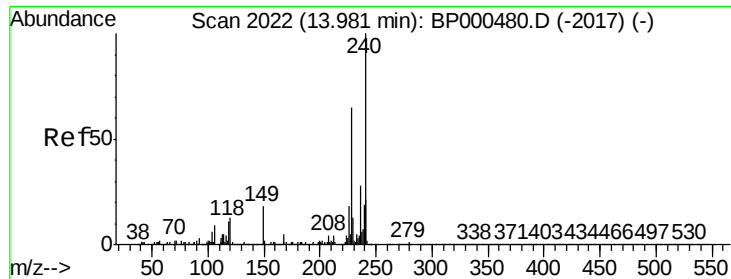
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	15.2	12.2	18.4



#75
Fluoranthene
Concen: 7.525 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	17.2	0.0	38.1

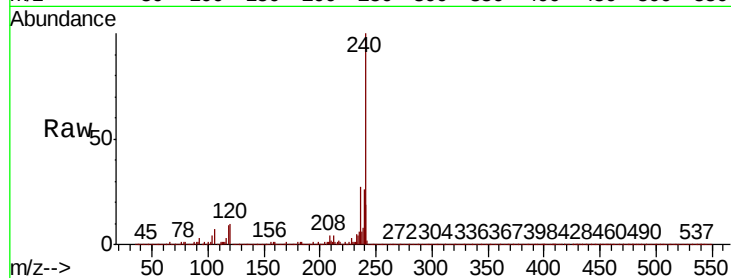




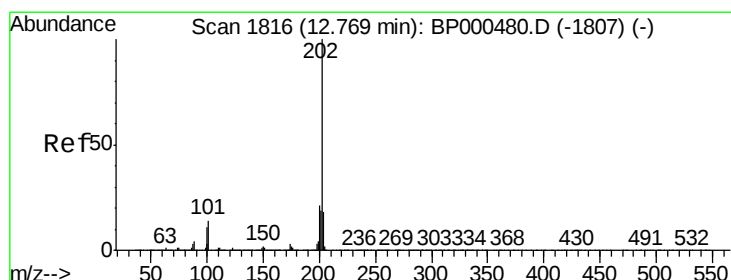
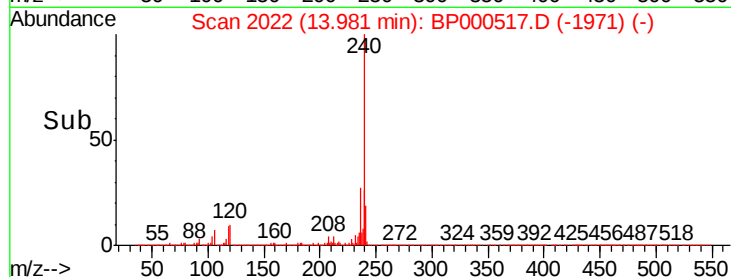
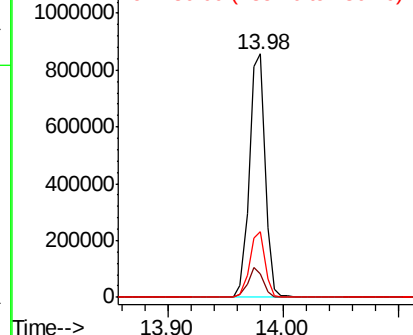
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Instrument :
BNA_P
ClientSampleID :

Tot Ion:240 Resp: 811727
Ion Ratio Lower Upper
240 100
120 9.9 10.1 15.1#
236 26.8 22.7 34.1

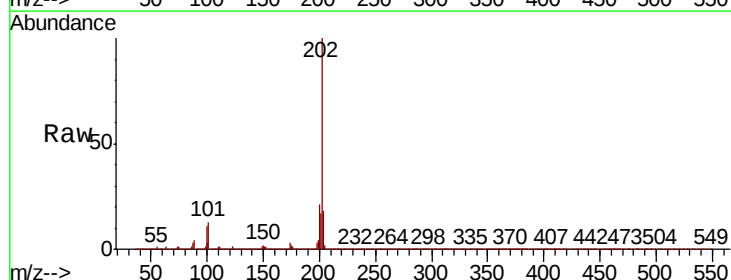


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

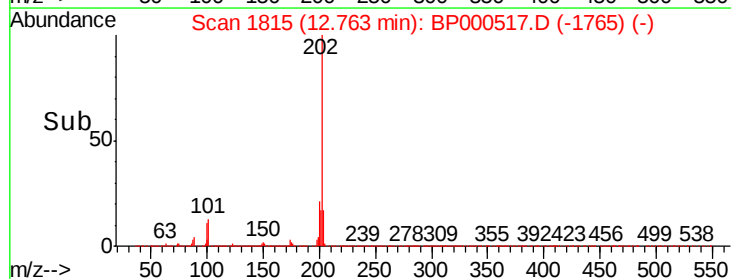
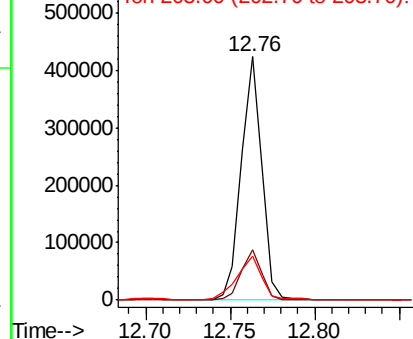


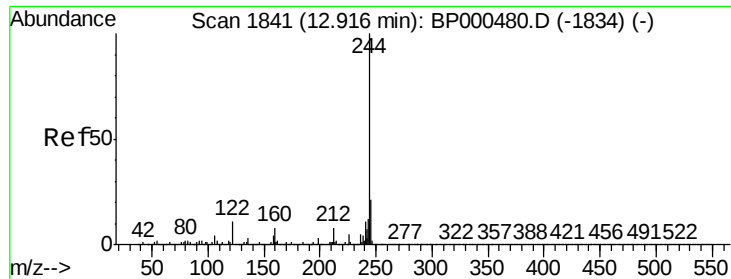
#78
Pyrene
Concen: 6.353 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion:202 Resp: 355674
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.8 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 58.282 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

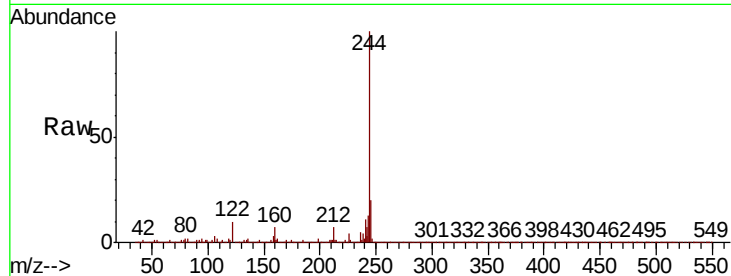
Instrument :

BNA_P

ClientSampleId :

Tot Ion:244 Resp: 2336579

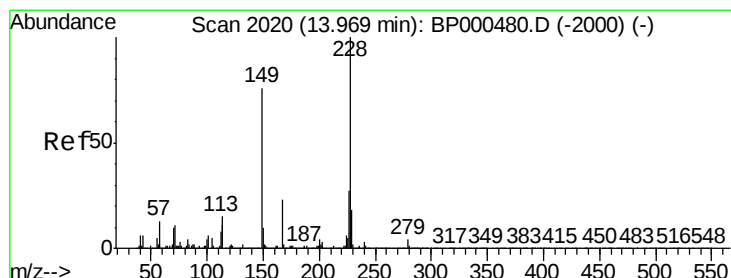
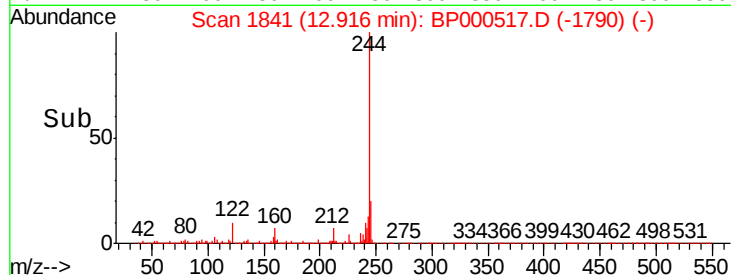
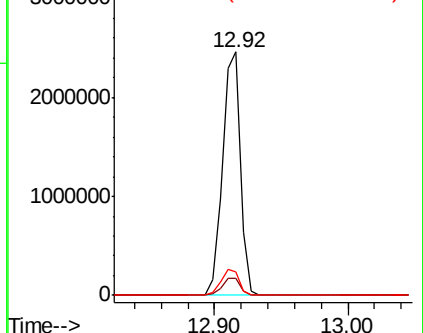
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.6	8.9	13.3



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



#81

Benzo(a)anthracene

Concen: 3.332 ng

RT: 13.97 min Scan# 2020

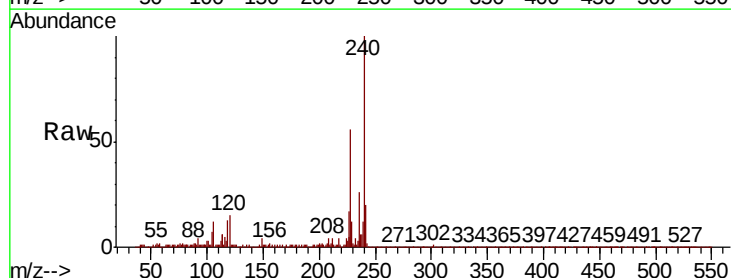
Delta R.T. -0.00 min

Lab File: BP000517.D

Acq: 04 Oct 2019 19:12

Tgt Ion:228 Resp: 165047

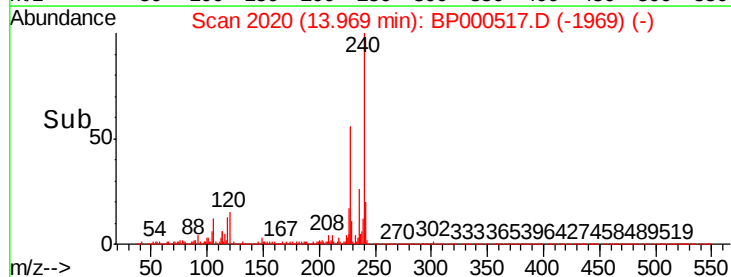
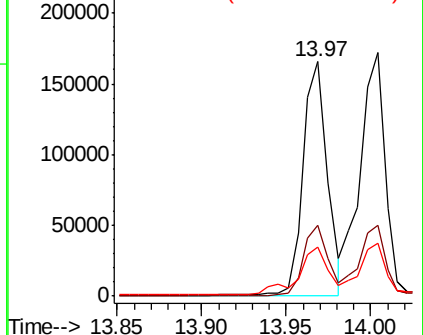
Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.4	32.2
229	21.0	14.7	22.1

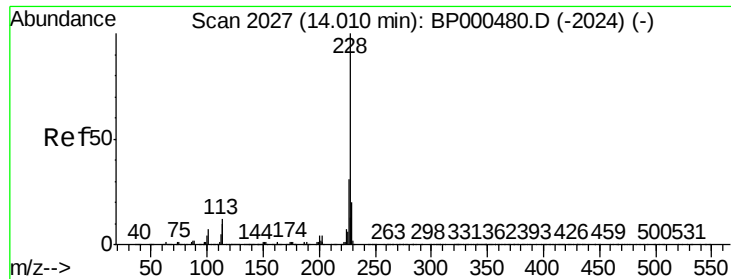


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

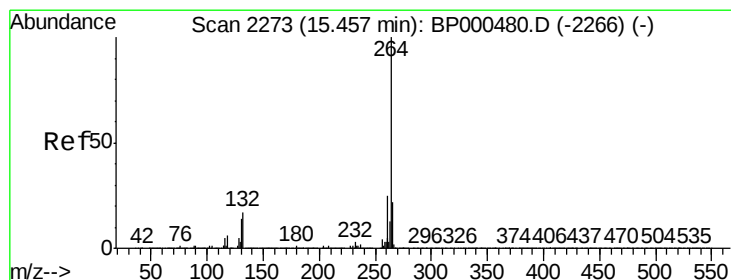
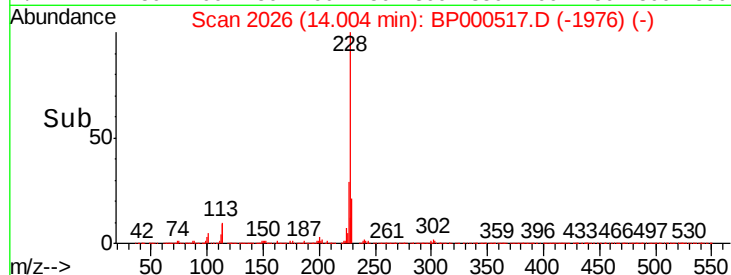
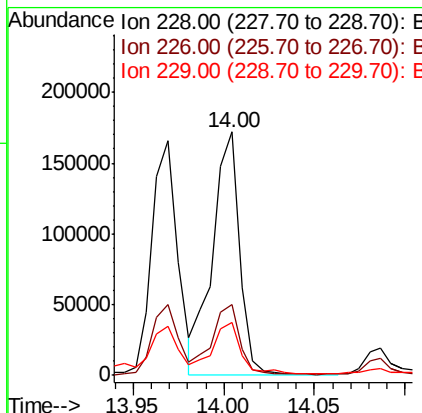
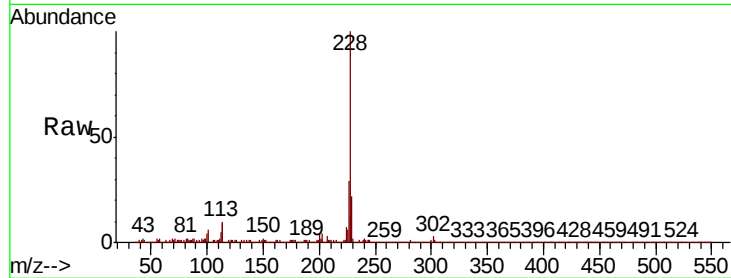




#83
Chrysene
Concen: 3.677 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

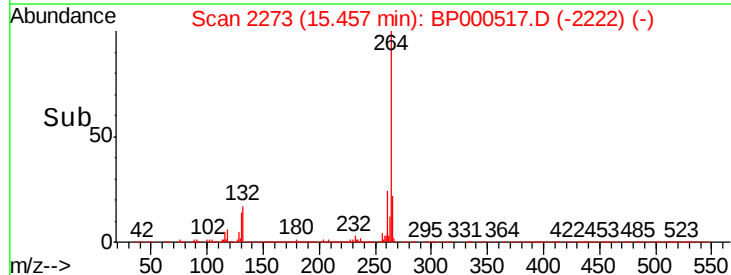
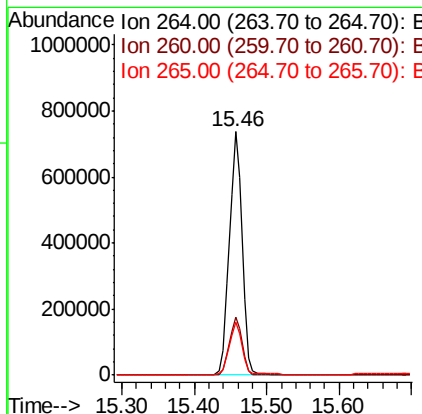
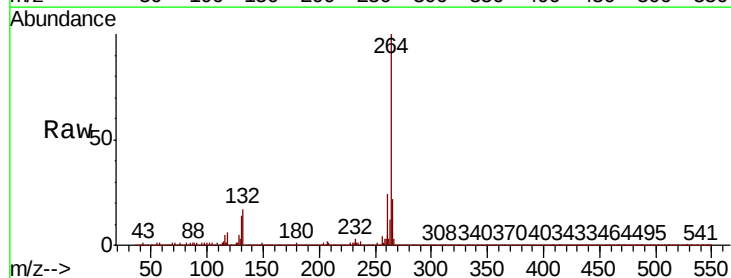
Instrument :
BNA_P
ClientSampled :

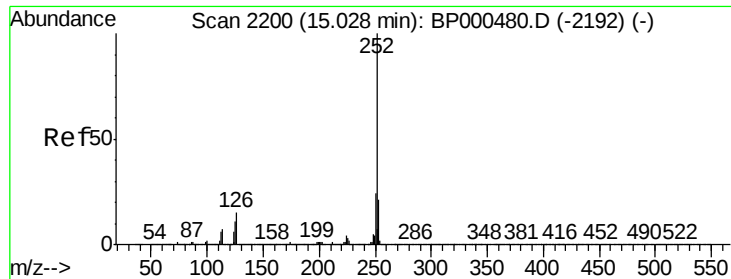
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.7	37.1
229	21.7	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.3	30.5
265	22.0	18.0	27.0

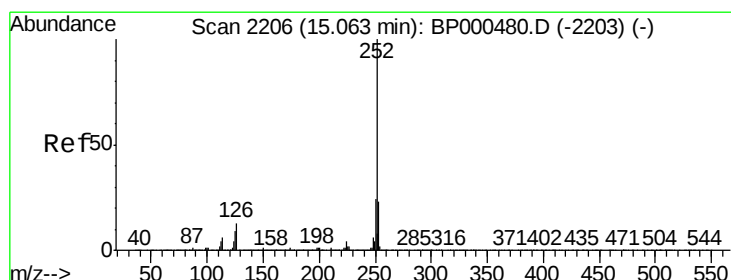
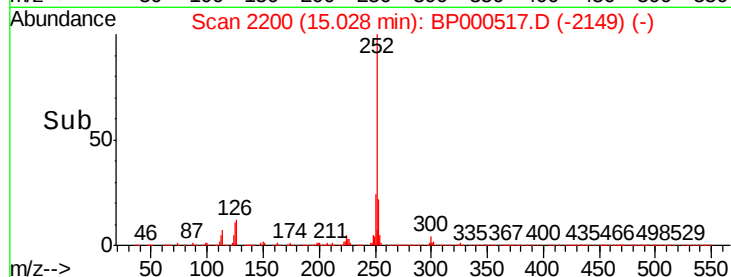
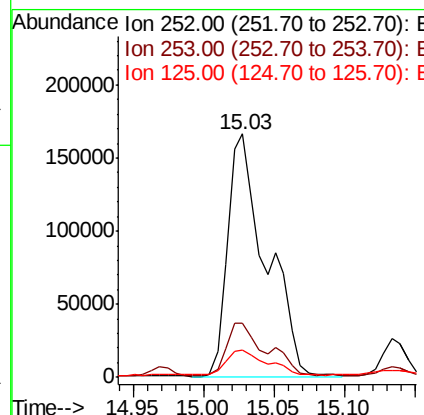
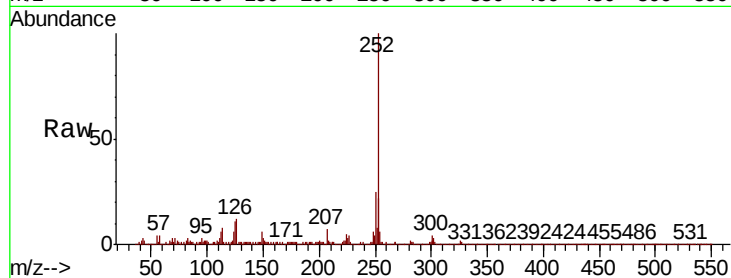




#88
Benzo(b)fluoranthene
Concen: 6.119 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

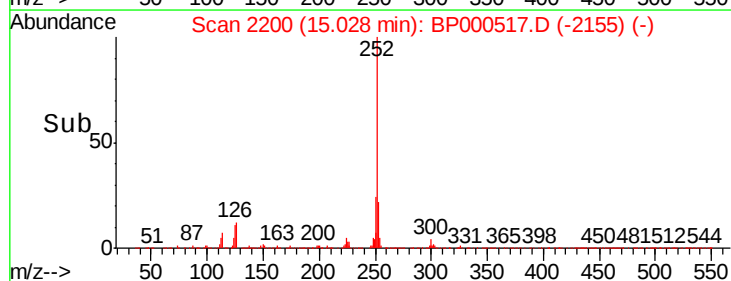
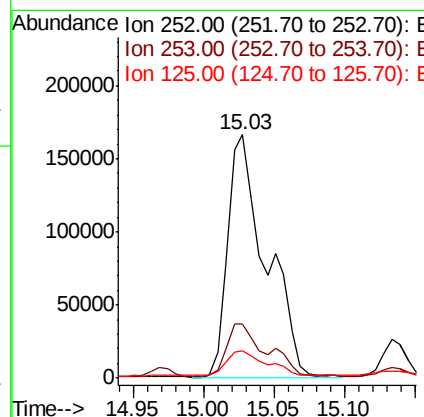
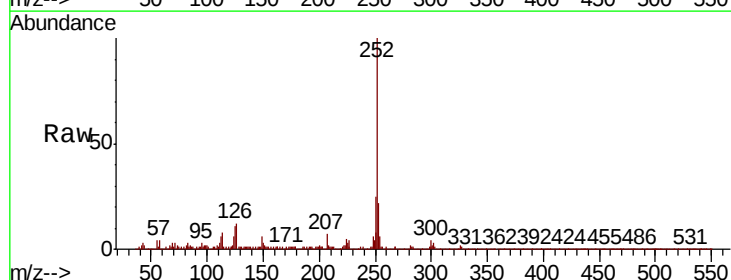
Instrument :
BNA_P
ClientSampleId :

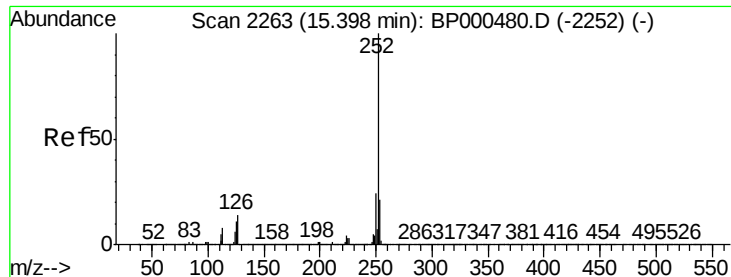
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	11.5	8.9	13.3



#89
Benzo(k)fluoranthene
Concen: 6.427 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	11.5	7.8	11.8

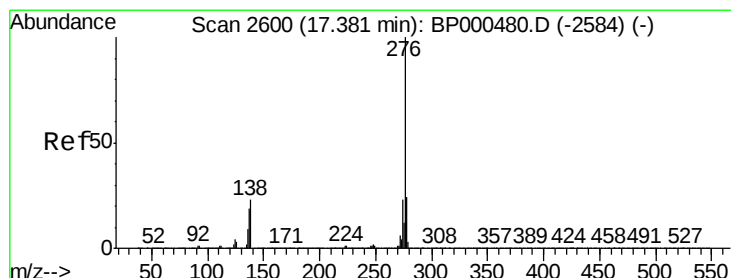
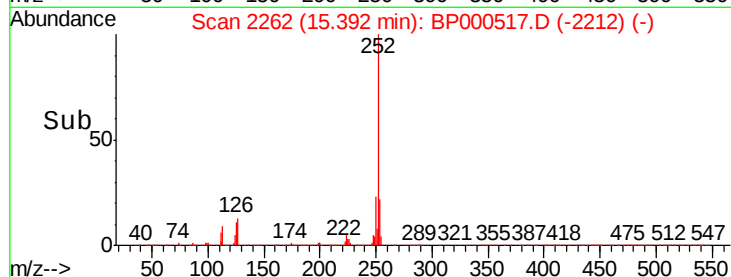
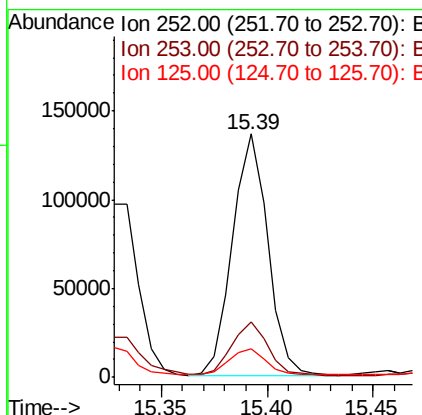
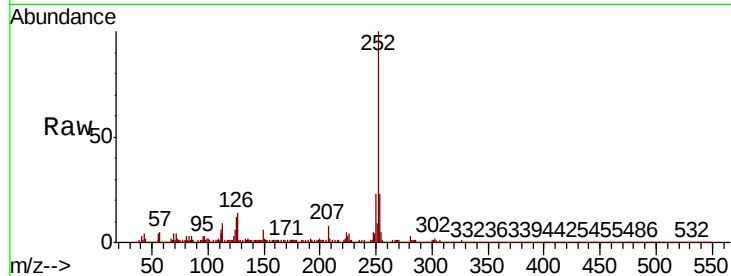




#90
Benzo(a)pyrene
Concen: 3.311 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	11.6	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 2.268 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BP000517.D
Acq: 04 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.2
138	21.5	18.5	27.7

