

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
 Data File : BP000373.D
 Acq On : 23 Sep 2019 20:17
 Operator : HP/JU
 Sample : K4997-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 24 04:22:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	254637	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	902119	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	490150	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	760889	20.00	ng	0.00
76) Chrysene-d12	13.99	240	645762	20.00	ng	0.00
87) Perylene-d12	15.47	264	723384	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	2023124	137.16	ng	0.02
7) Phenol-d6	6.43	99	2602949	143.97	ng	0.01
23) Nitrobenzene-d5	7.35	82	1473112	105.36	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	708768	145.79	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	3028276	111.20	ng	0.00
79) Terphenyl-d14	12.93	244	3131608	101.73	ng	0.00

Target Compounds

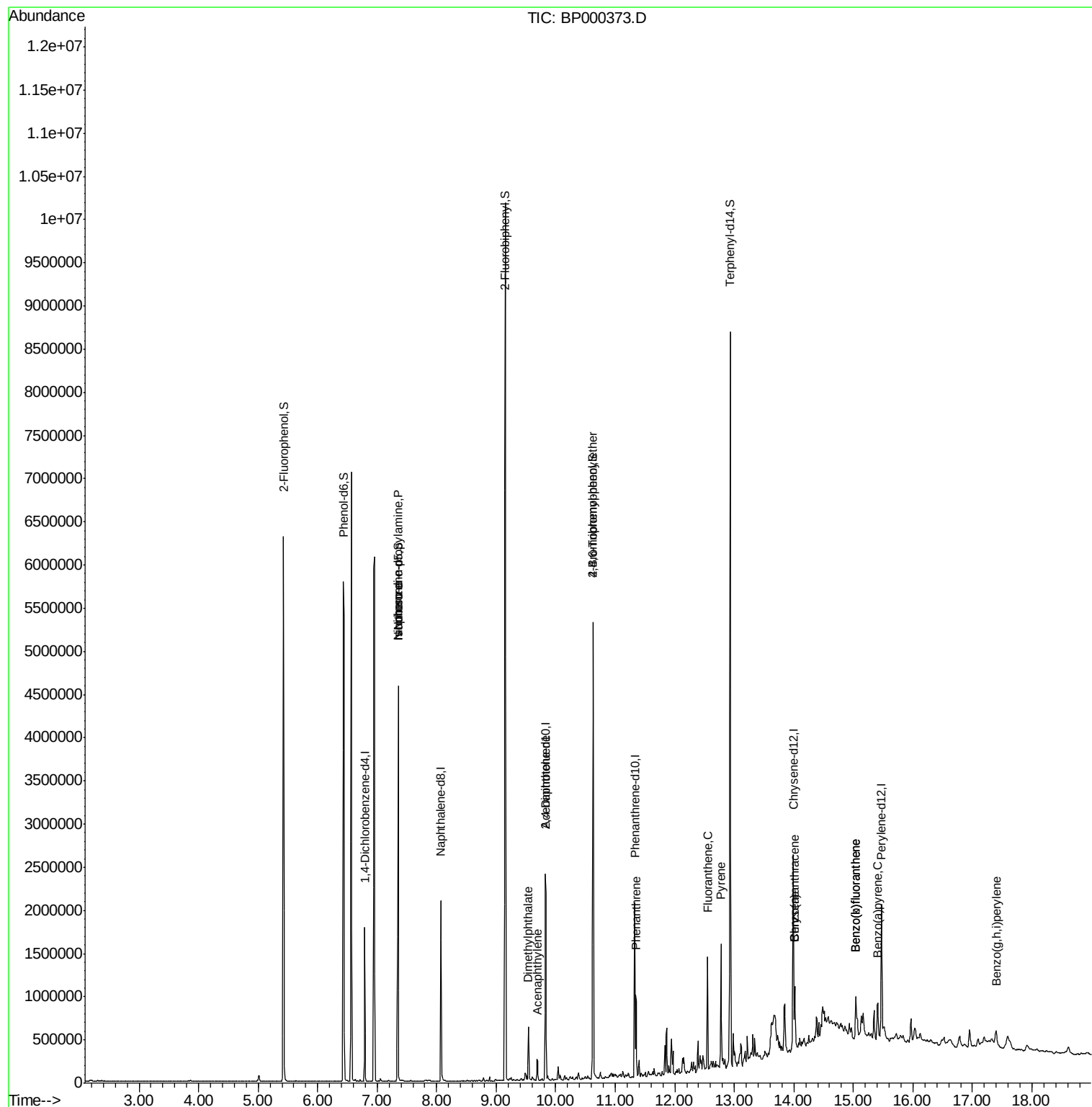
						Qvalue
9) Benzaldehyde	6.43	77	3886	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.35	70	182729	19.115 ng	#	74
25) Isophorone	7.35	82	1472451	53.183 ng	#	63
49) Acenaphthylene	9.69	152	97904	2.290 ng		100
50) Dimethylphthalate	9.54	163	243173	7.282 ng		100
57) 2,4-Dinitrotoluene	9.83	165	65266	6.799 ng	#	35
67) 4-Bromophenyl-phenylether	10.63	248	47328	5.501 ng	#	1
69) Atrazine	11.03	200	48	Below Cal	#	8
71) Phenanthrene	11.35	178	363846	9.542 ng		99
75) Fluoranthene	12.55	202	501687	12.253 ng		95
78) Pyrene	12.78	202	571082	11.820 ng		98
81) Benzo(a)anthracene	14.02	228	258548	6.338 ng		95
83) Chrysene	14.02	228	258548	6.455 ng		98
88) Benzo(b)fluoranthene	15.04	252	364221	8.440 ng		97
89) Benzo(k)fluoranthene	15.04	252	364221	9.676 ng		98
90) Benzo(a)pyrene	15.41	252	210673	5.365 ng		99
92) Benzo(a,h,i)perylene	17.40	276	148987	3.959 ng		96

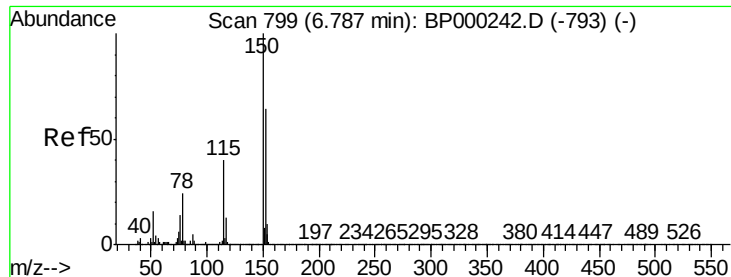
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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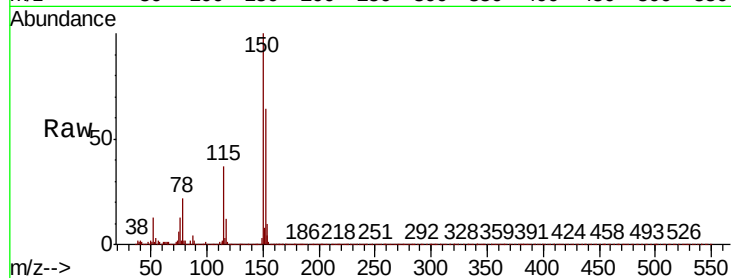


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.2	187.8
115	57.7	49.7	74.5

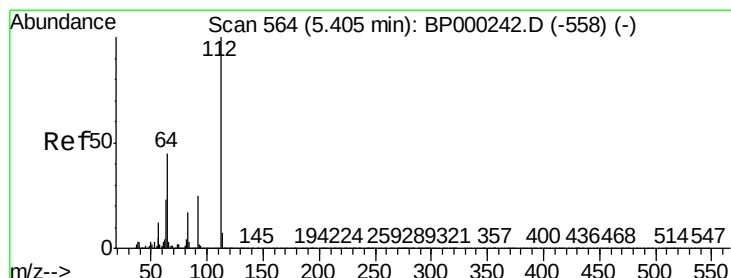
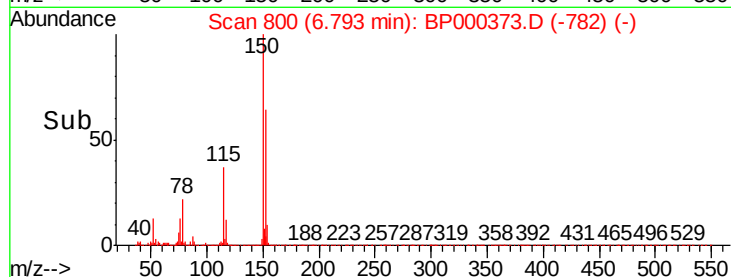
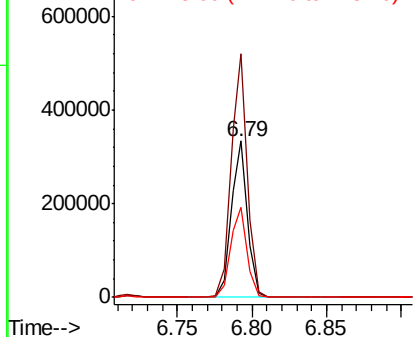


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

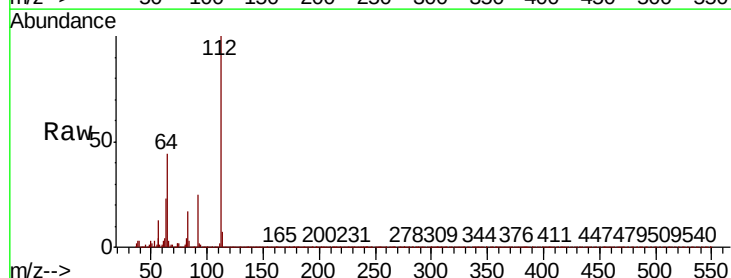
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.161 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.6	36.2	54.4
63	22.7	18.3	27.5

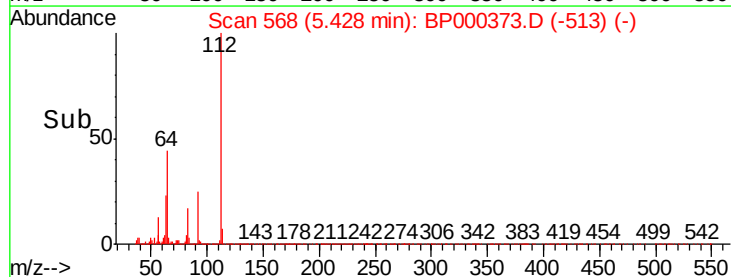
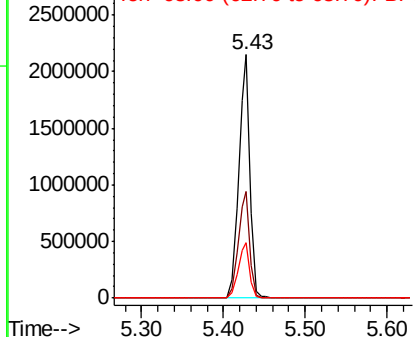


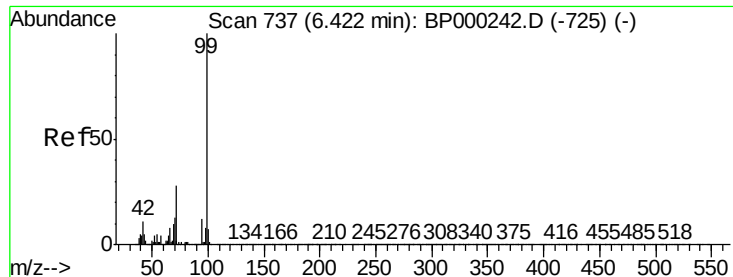
Abundance

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: 143.965 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

Instrument :

BNA_P

ClientSampleId :

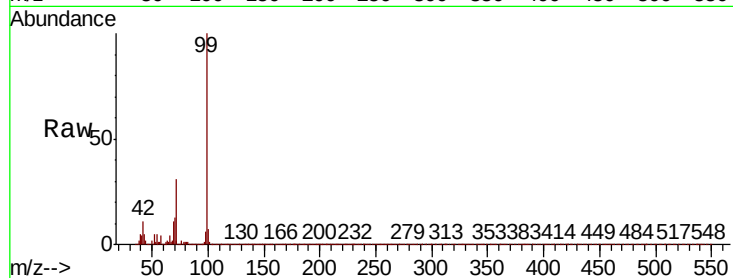
Tot Ion: 99 Resp: 2602949

Ion Ratio Lower Upper

99 100

42 11.2 8.5 12.7

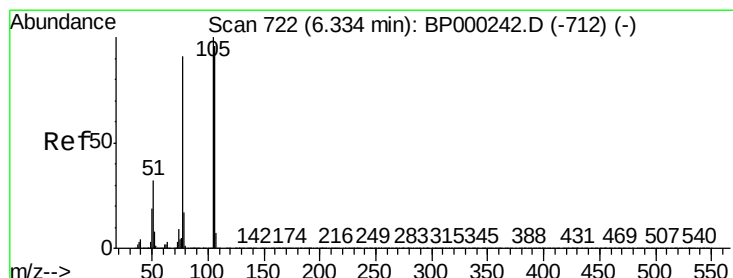
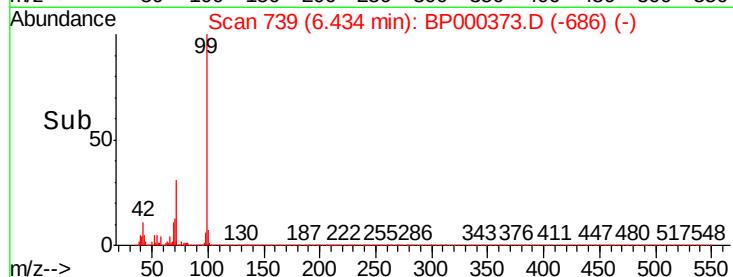
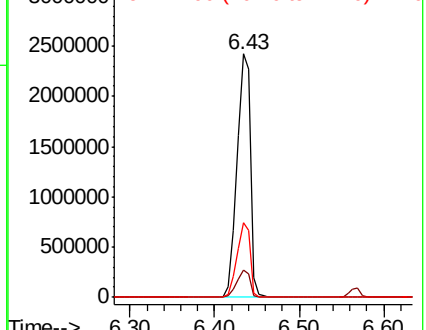
71 30.8 22.6 34.0



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.43 min Scan# 739

Delta R.T. 0.10 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

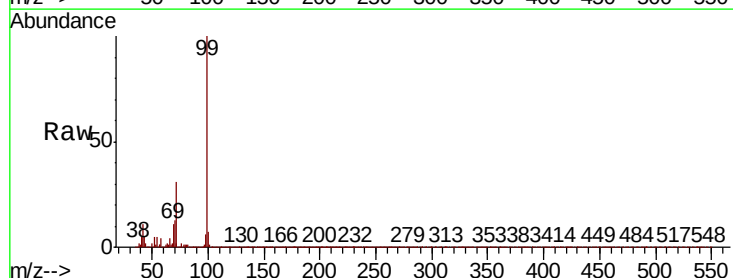
Tgt Ion: 77 Resp: 3886

Ion Ratio Lower Upper

77 100

105 4.7 89.6 129.6#

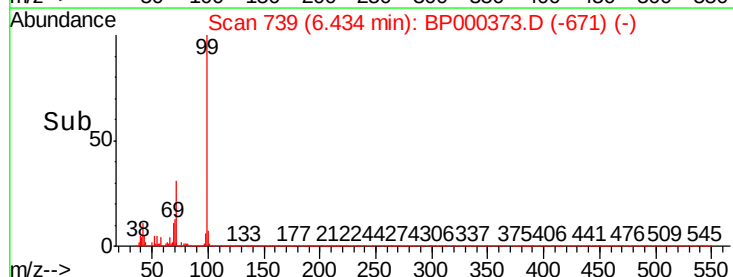
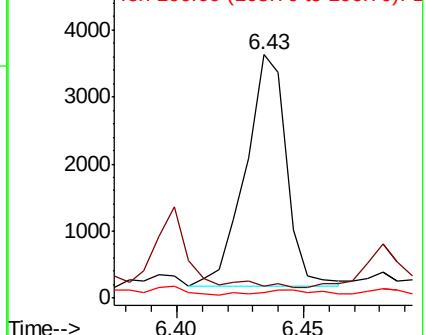
106 2.2 84.6 124.6#

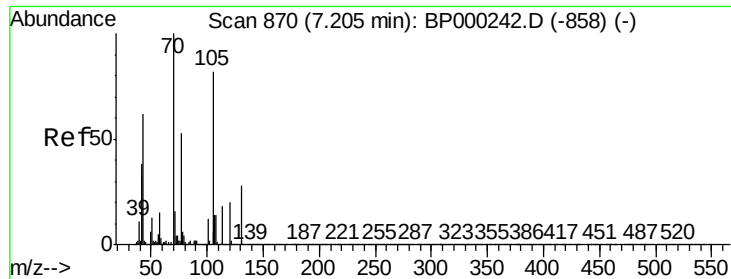


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

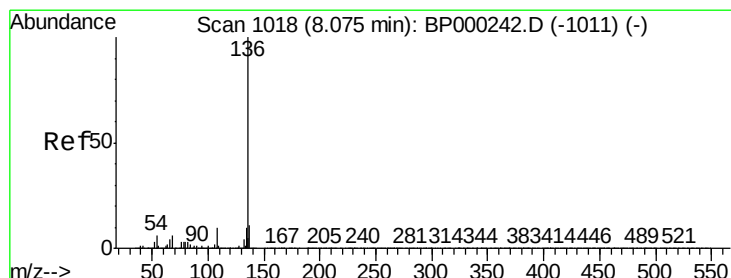
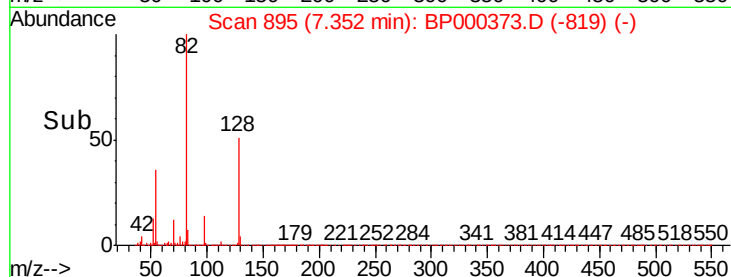
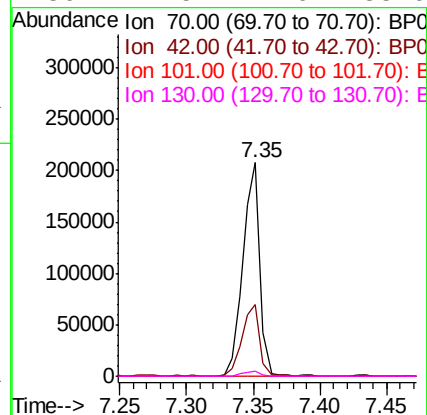
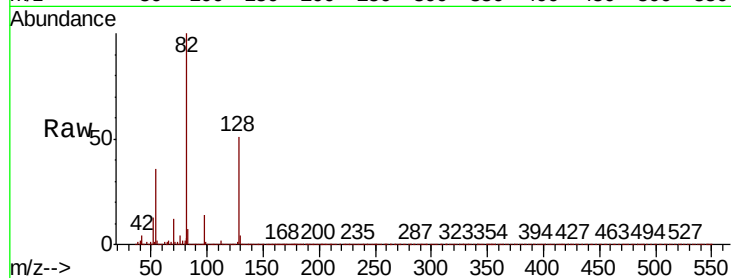




#19
n-Nitroso-di-n-propylamine
Concen: 19.115 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.15 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

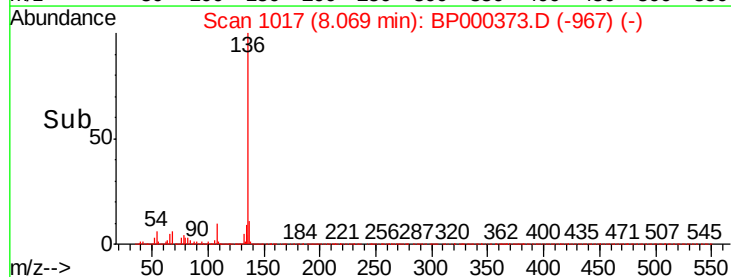
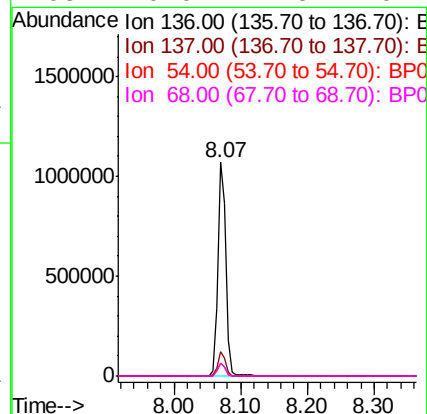
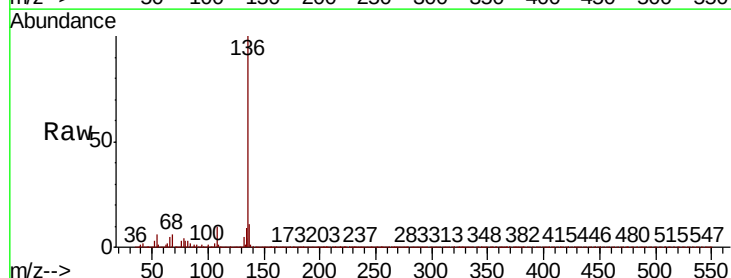
Instrument :
BNA_P
ClientSampleId :

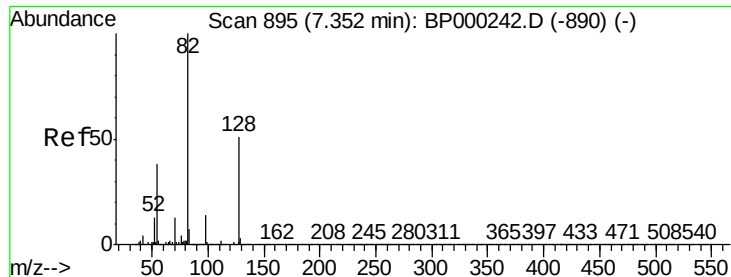
Tot Ion:	70	Resp:	182729
Ion	Ratio	Lower	Upper
70	100		
42	33.6	30.7	46.1
101	0.0	9.6	14.4#
130	2.5	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion:	136	Resp:	902119
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	6.0	4.5	6.7
68	6.0	4.5	6.7

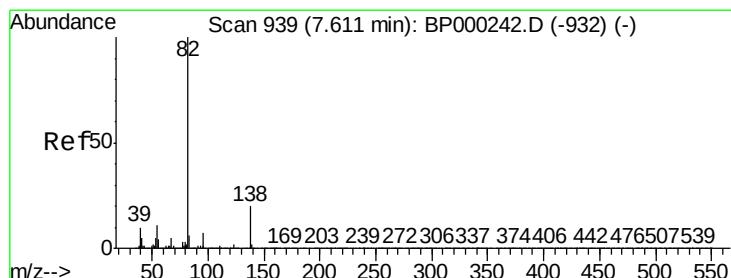
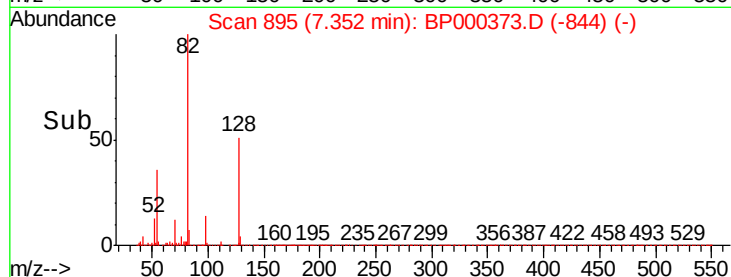
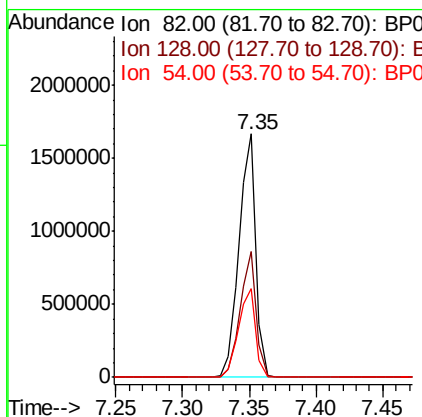
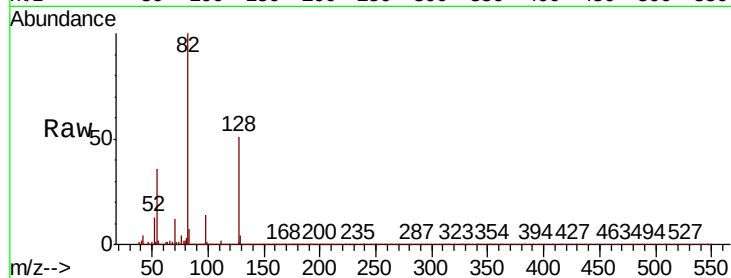




#23
 Nitrobenzene-d5
 Concen: 105.357 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BP000373.D
 Acq: 23 Sep 2019 20:17

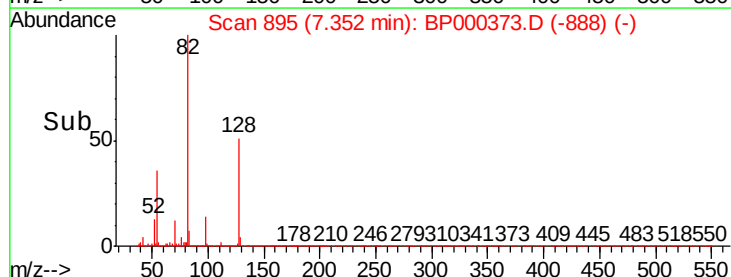
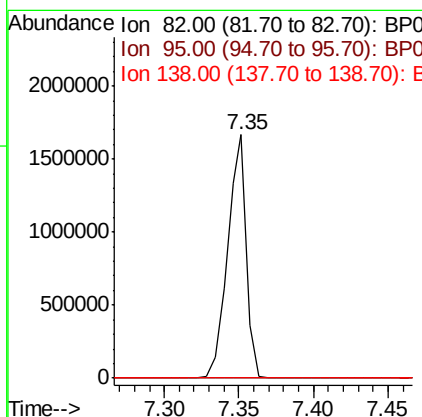
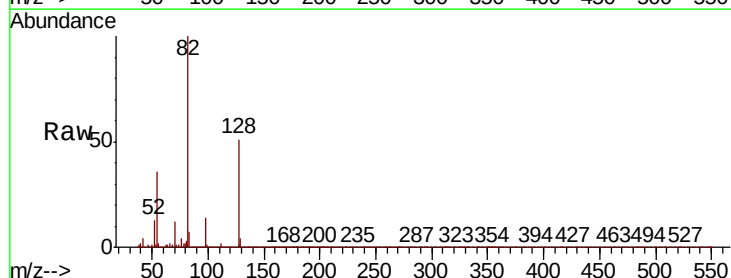
Instrument :
 BNA_P
 ClientSampleId :

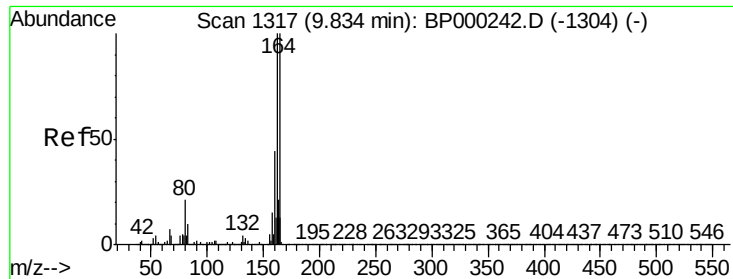
Tot Ion: 82 Resp: 1473112
 Ion Ratio Lower Upper
 82 100
 128 51.4 40.7 61.1
 54 36.4 30.1 45.1



#25
 Isophorone
 Concen: 53.183 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BP000373.D
 Acq: 23 Sep 2019 20:17

Tgt Ion: 82 Resp: 1472451
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.9 8.9#
 138 0.0 15.9 23.9#

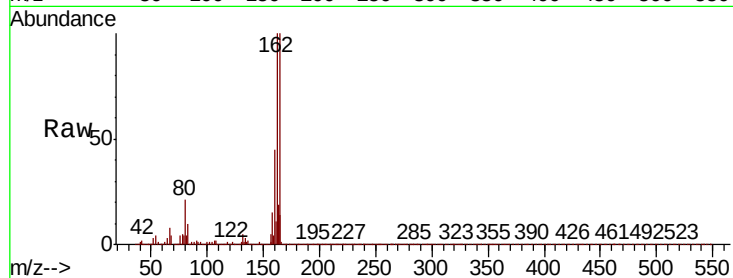




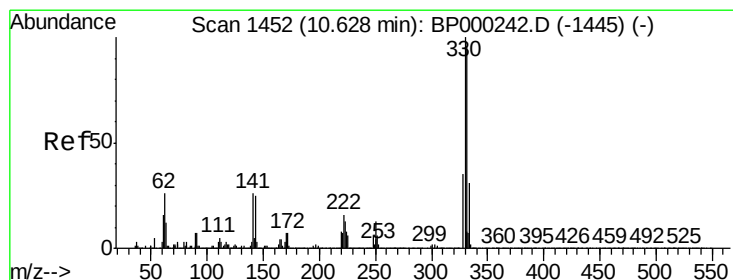
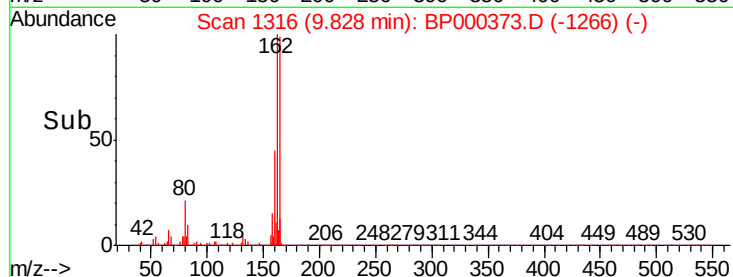
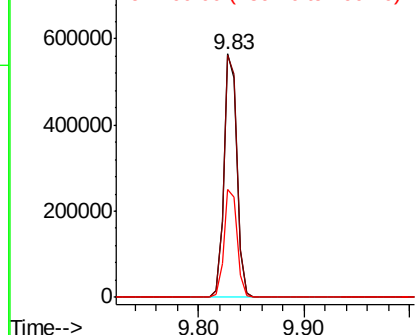
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.9	119.9
160	44.6	35.6	53.4

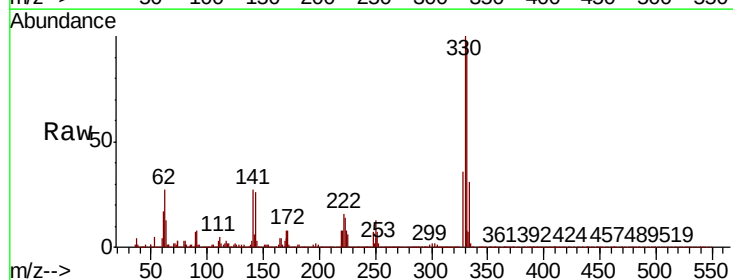


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

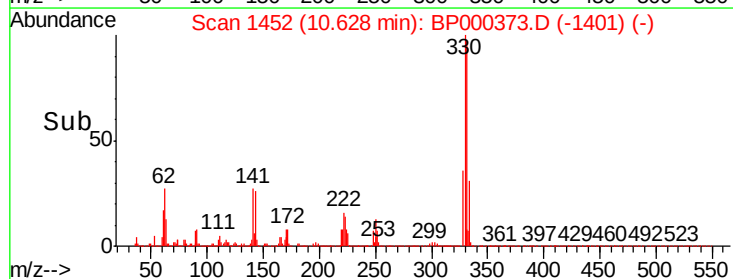
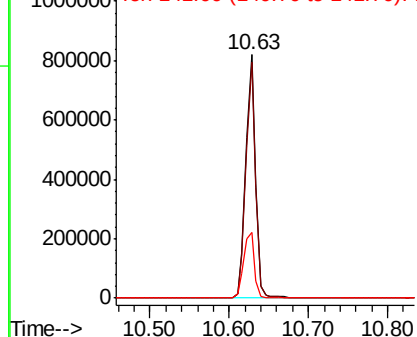


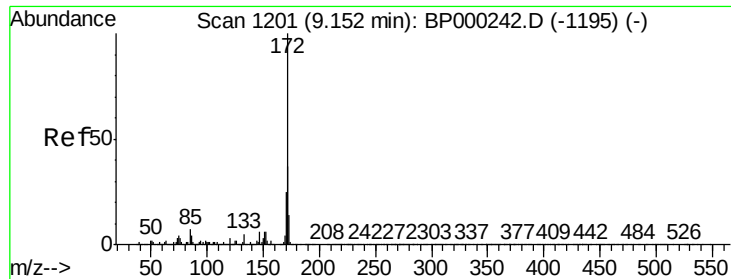
#42
2,4,6-Tribromophenol
Concen: 145.788 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	29.6	26.5	39.7



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

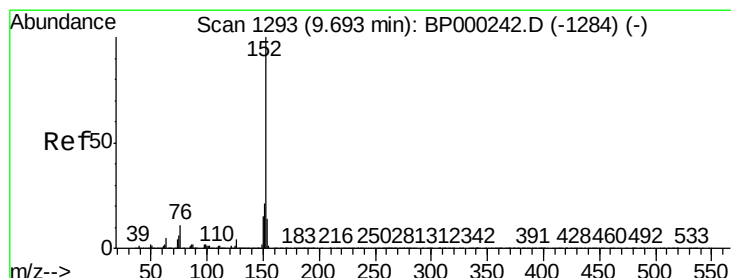
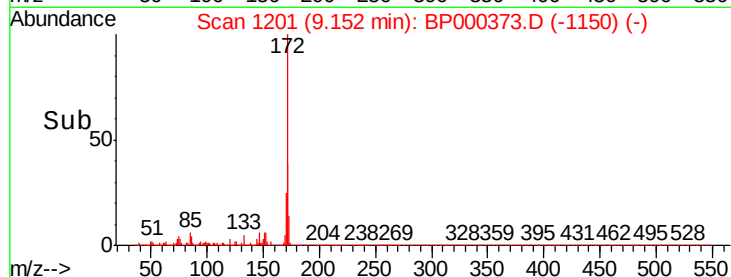
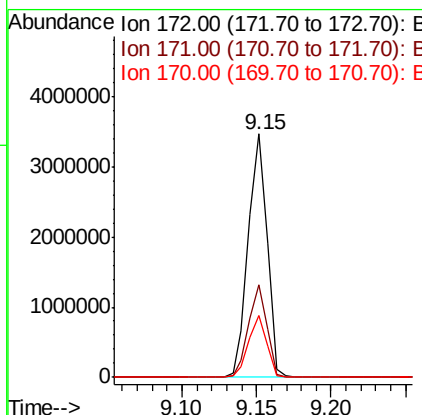
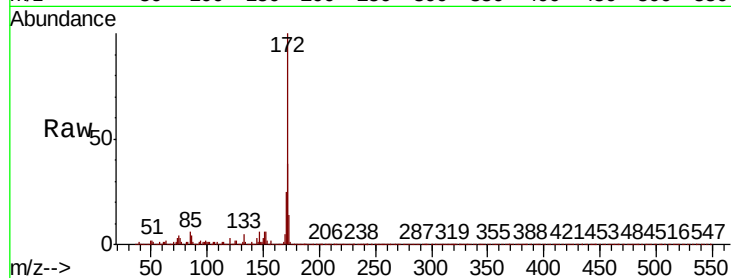




#45
2-Fluorobiphenyl
Concen: 111.197 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

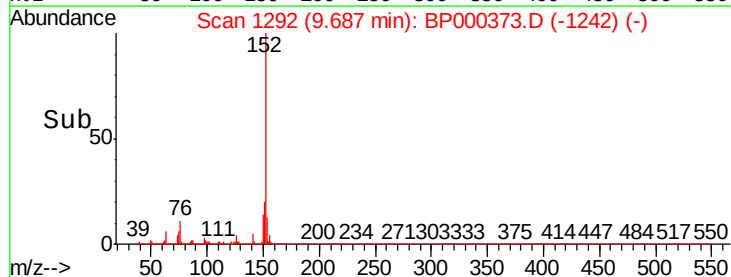
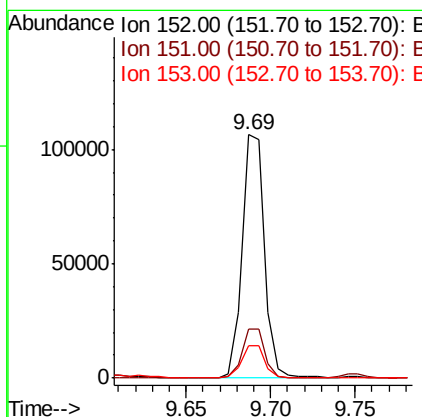
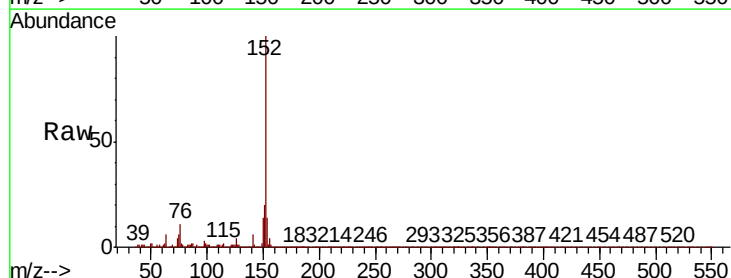
Instrument :
BNA_P
ClientSampleId :

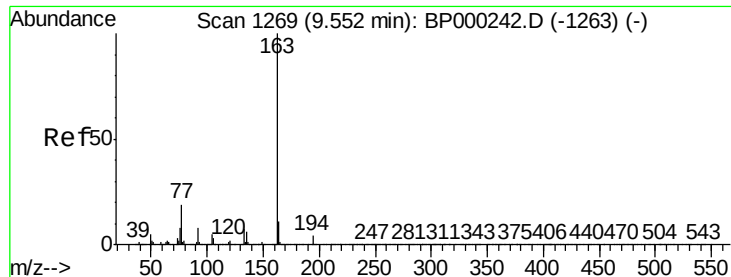
Tot Ion:172 Resp: 3028276
Ion Ratio Lower Upper
172 100
171 37.9 29.8 44.6
170 25.4 19.8 29.6



#49
Acenaphthylene
Concen: 2.290 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion:152 Resp: 97904
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 13.6 11.0 16.4





#50

Dimethylphthalate

Concen: 7.282 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

Instrument :

BNA_P

ClientSampleId :

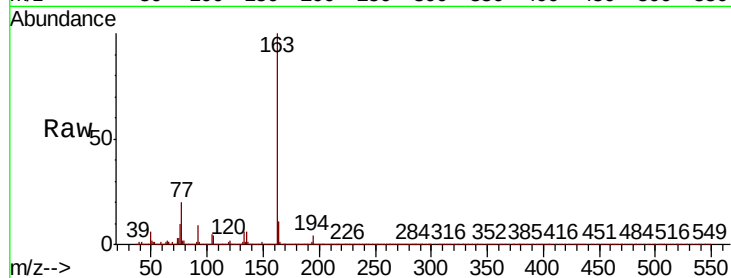
Tot Ion:163 Resp: 243173

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

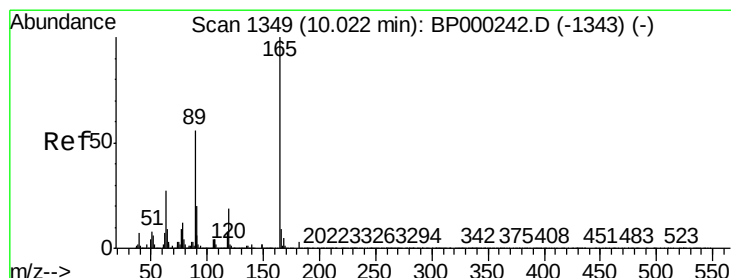
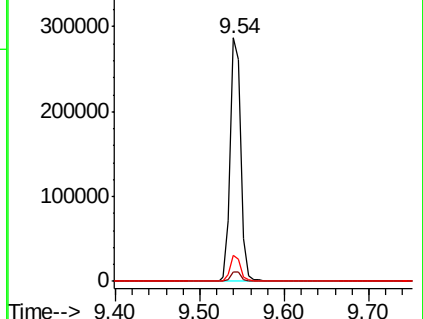
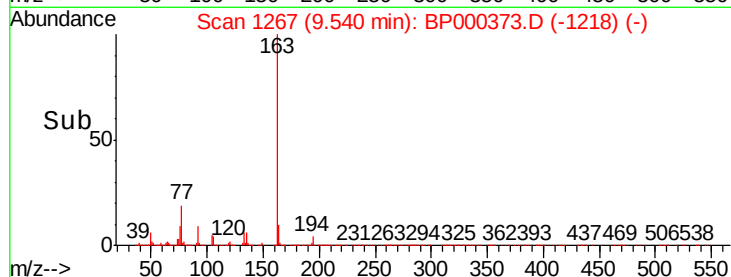
164 10.5 8.5 12.7



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: 6.799 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

Tgt Ion:165 Resp: 65266

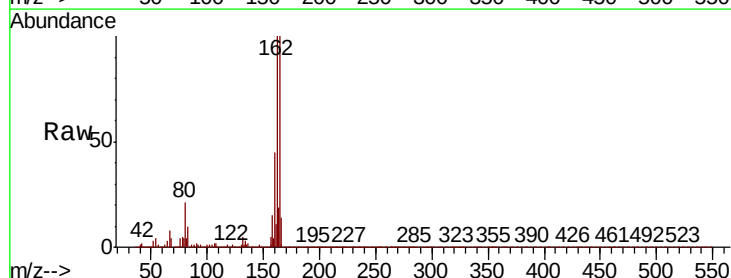
Ion Ratio Lower Upper

165 100

63 1.1 21.7 32.5#

89 1.3 45.0 67.6#

182 0.4 2.4 3.6#

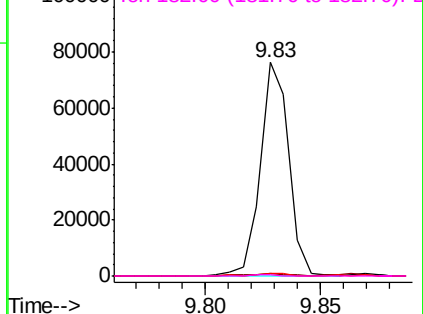
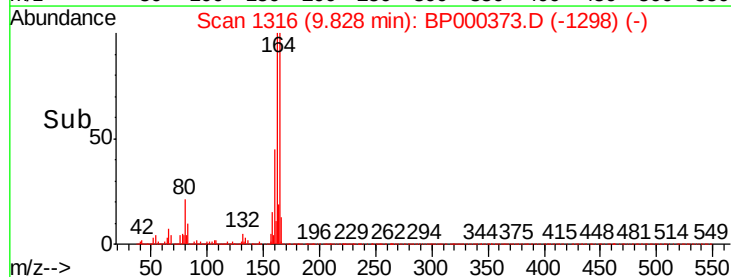


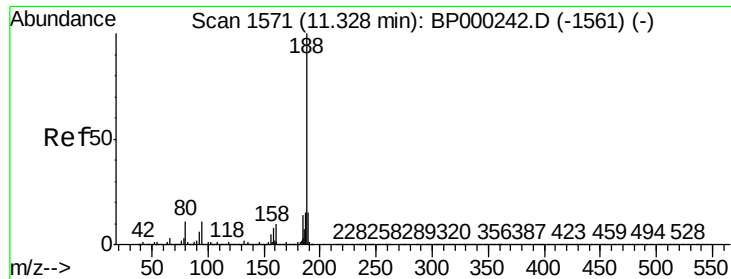
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

Instrument :

BNA_P

ClientSampleId :

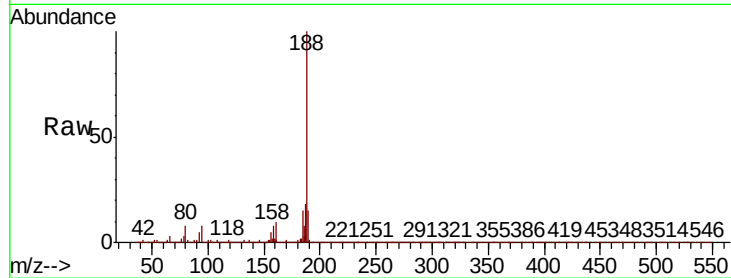
Tot Ion:188 Resp: 760889

Ion Ratio Lower Upper

188 100

94 7.8 8.5 12.7#

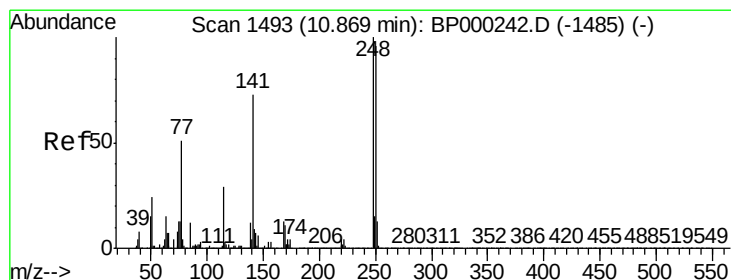
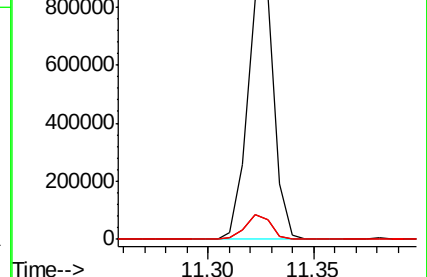
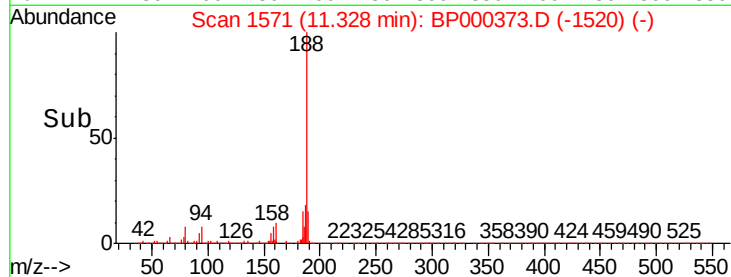
80 8.3 8.6 13.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#67

4-Bromophenyl-phenylether

Concen: 5.501 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

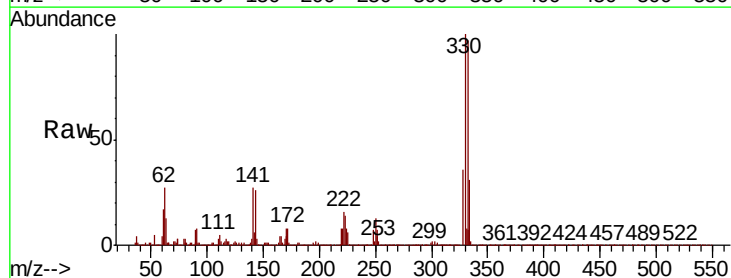
Tgt Ion:248 Resp: 47328

Ion Ratio Lower Upper

248 100

250 198.4 77.0 115.4#

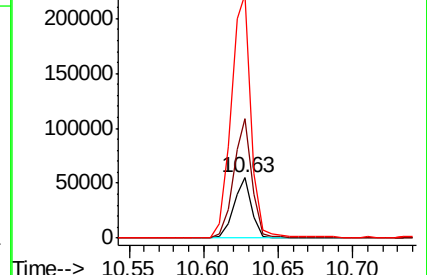
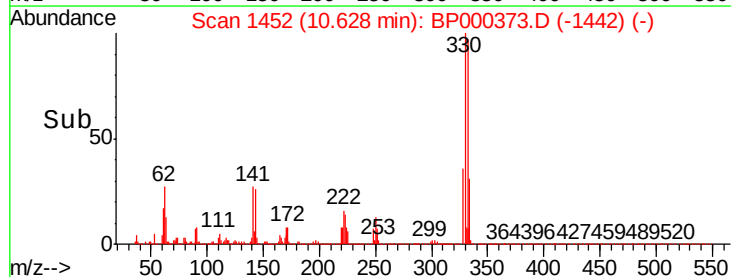
141 404.3 58.5 87.7#

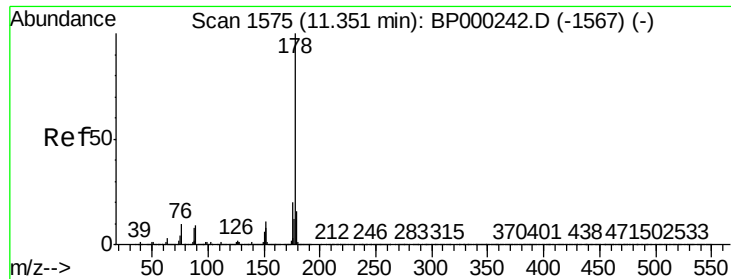


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

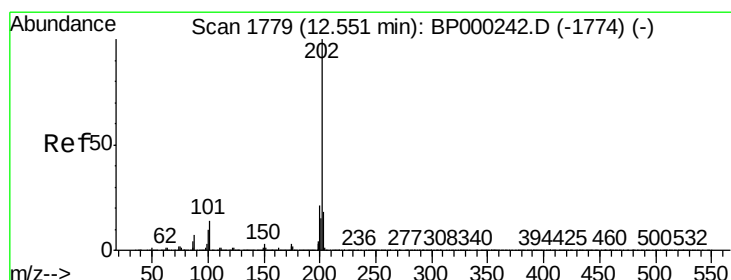
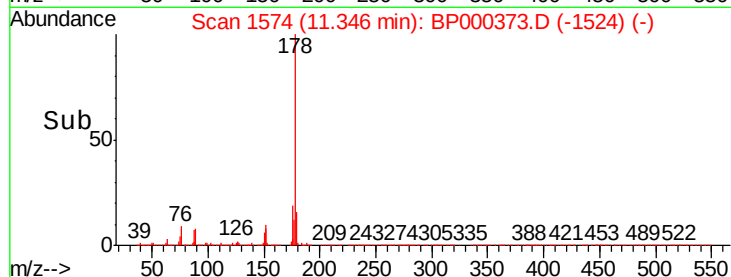
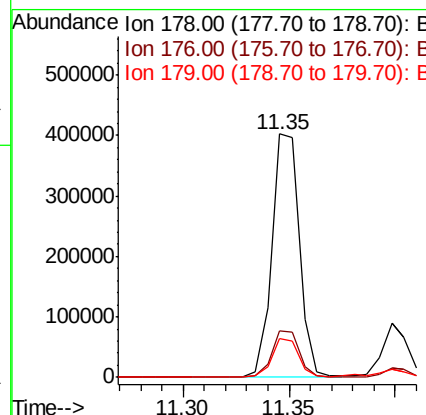
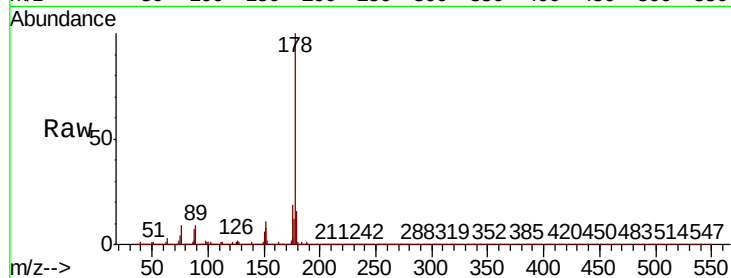




#71
Phenanthrene
Concen: 9.542 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

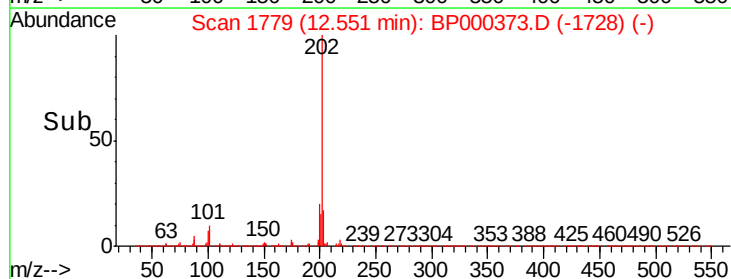
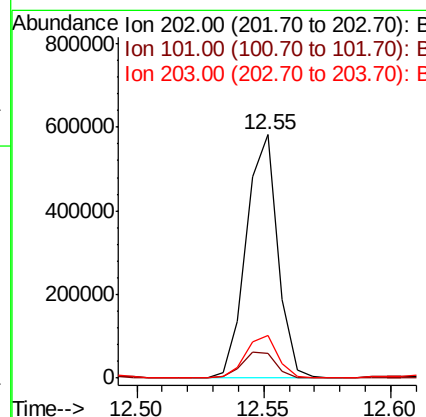
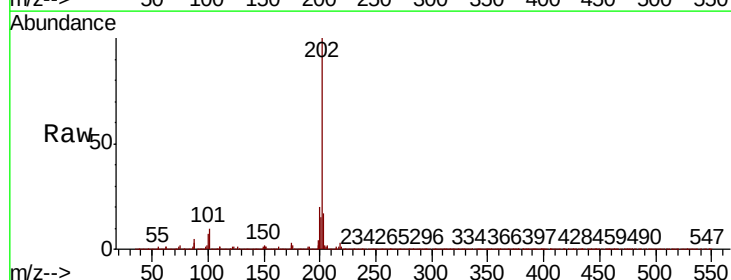
Instrument :
BNA_P
ClientSampled :

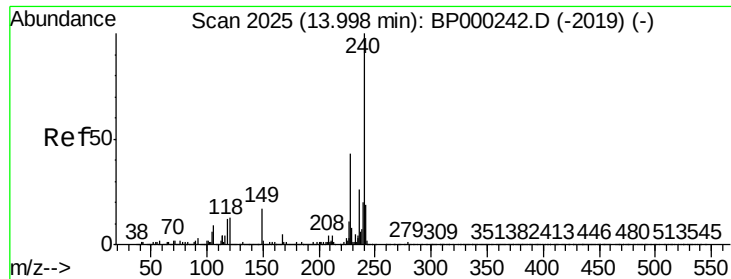
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.0	12.7	19.1



#75
Fluoranthene
Concen: 12.253 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.00 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.9
203	17.4	0.0	38.0

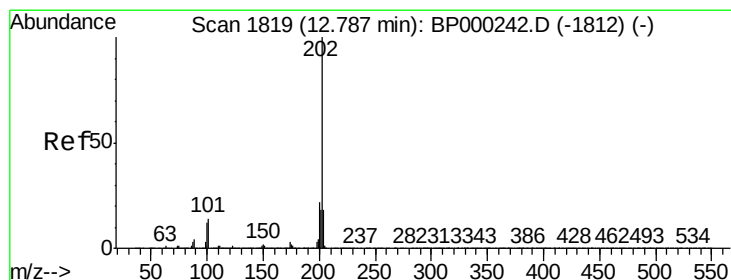
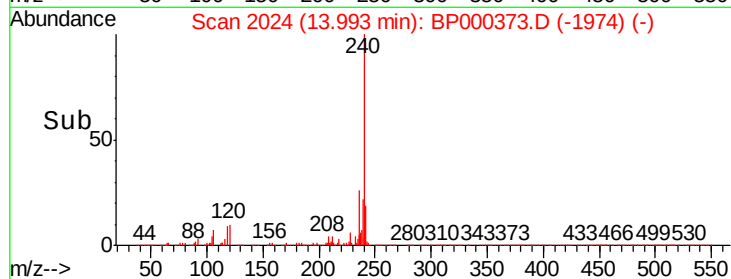
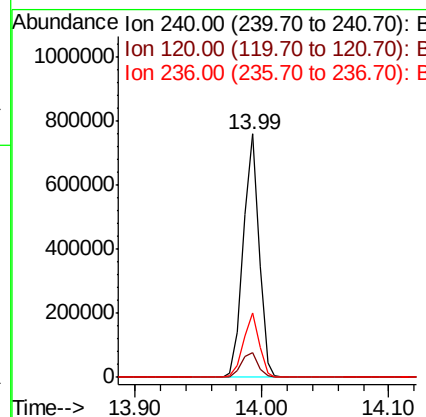
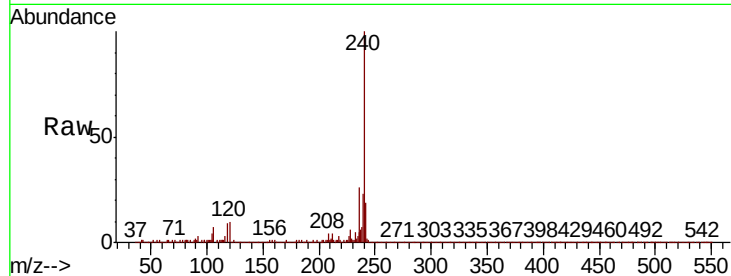




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

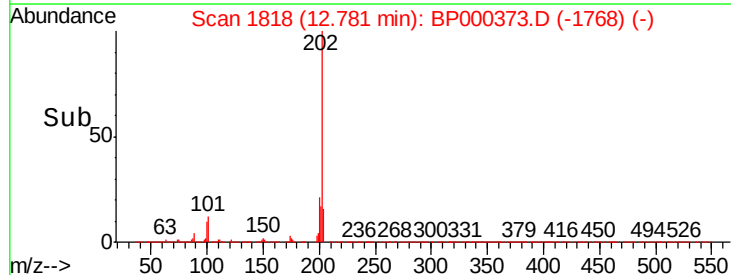
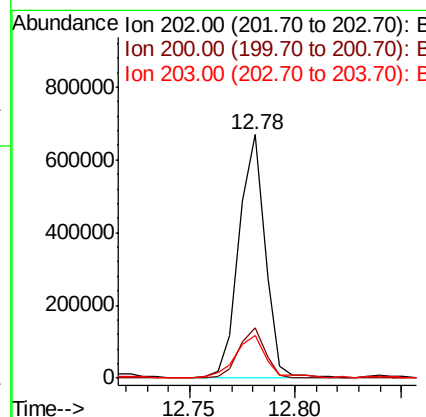
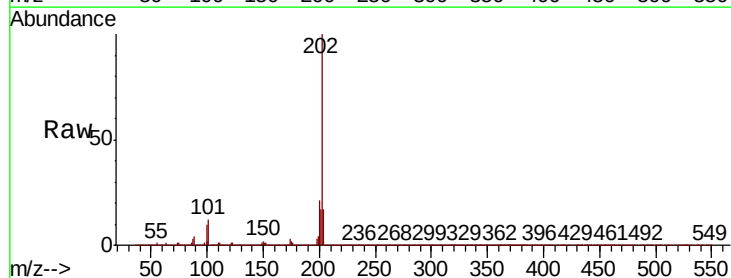
Instrument :
BNA_P
ClientSampleId :

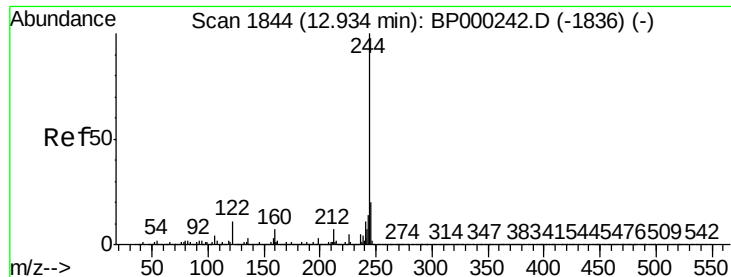
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.4	15.6#
236	26.3	21.0	31.6



#78
Pyrene
Concen: 11.820 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.5	26.3
203	17.4	14.3	21.5





#79

Terphenyl-d14

Concen: 101.734 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

Instrument :

BNA_P

ClientSampleId :

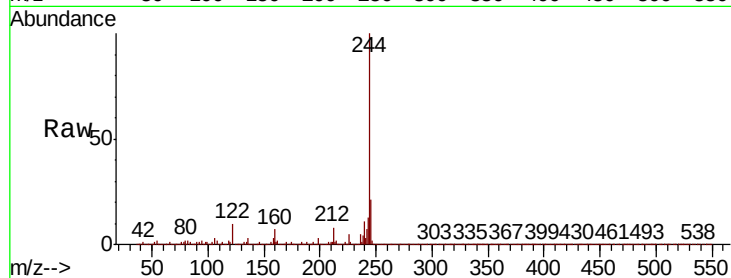
Tot Ion:244 Resp: 3131608

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

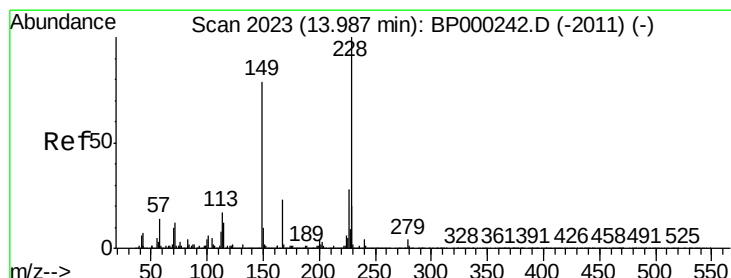
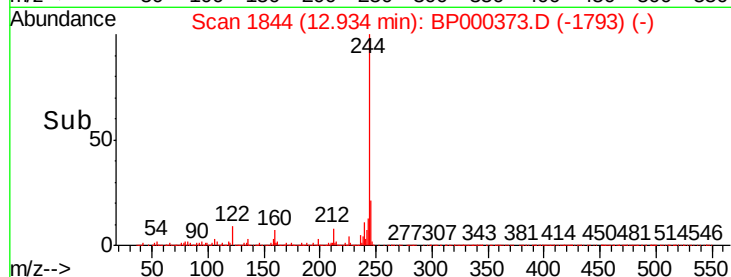
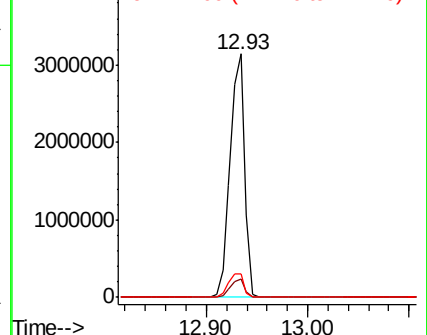
122 9.5 9.0 13.4



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: 6.338 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.03 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

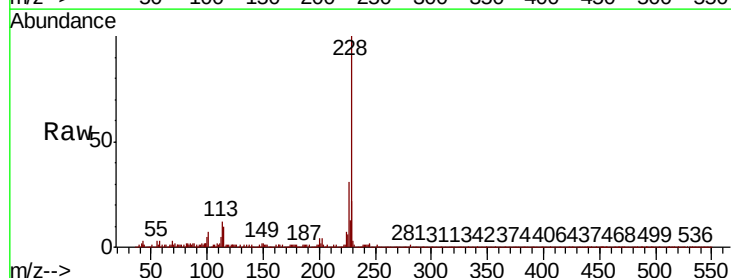
Tgt Ion:228 Resp: 258548

Ion Ratio Lower Upper

228 100

226 30.7 22.2 33.4

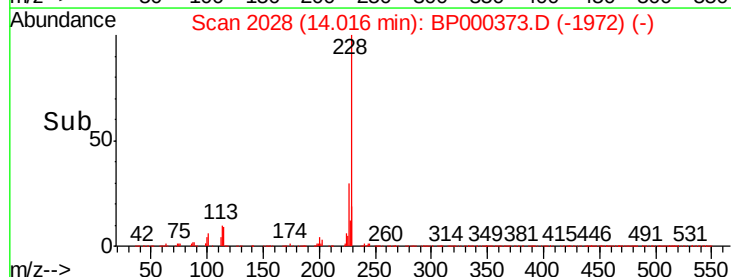
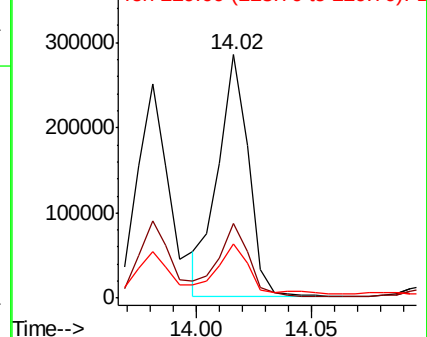
229 22.4 16.0 24.0

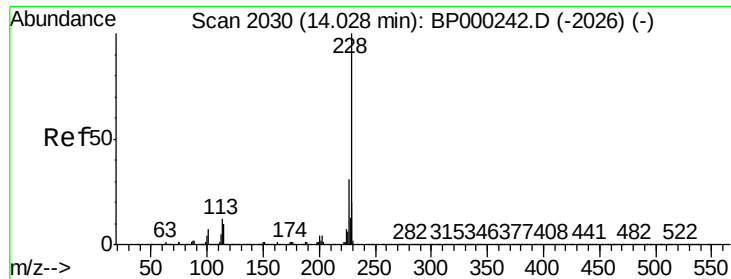


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

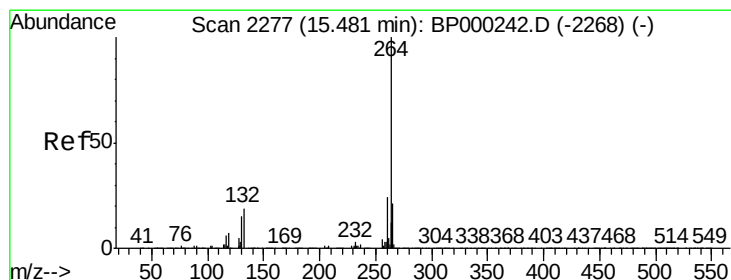
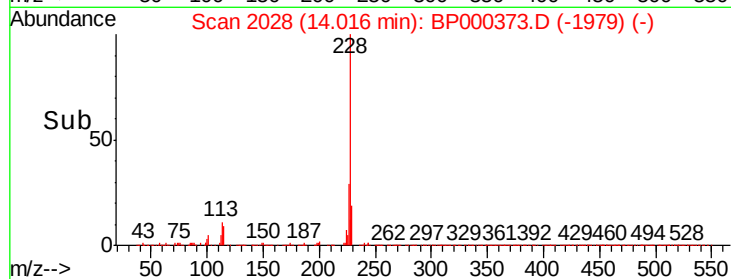
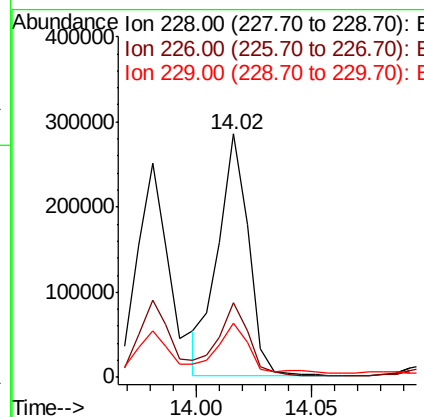
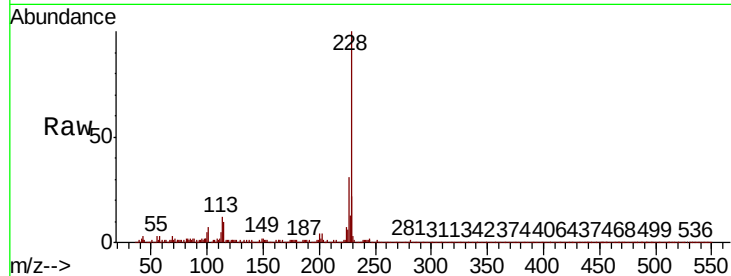




#83
Chrysene
Concen: 6.455 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

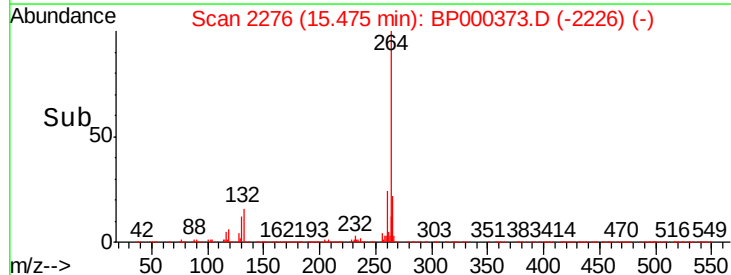
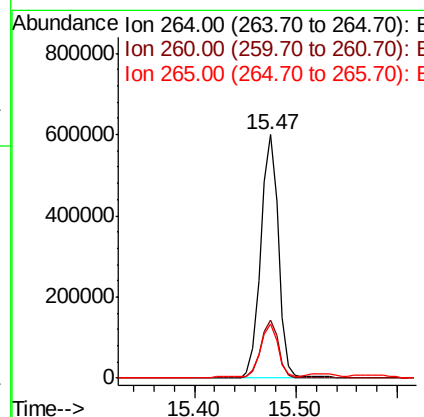
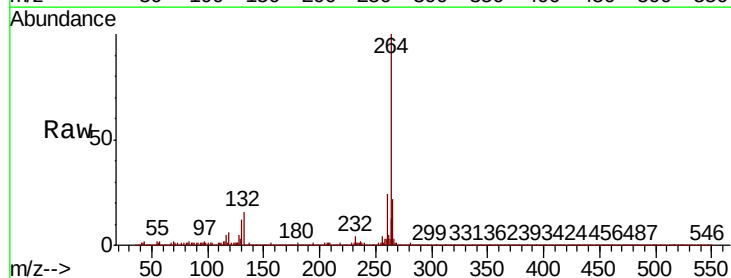
Instrument :
BNA_P
ClientSampled :

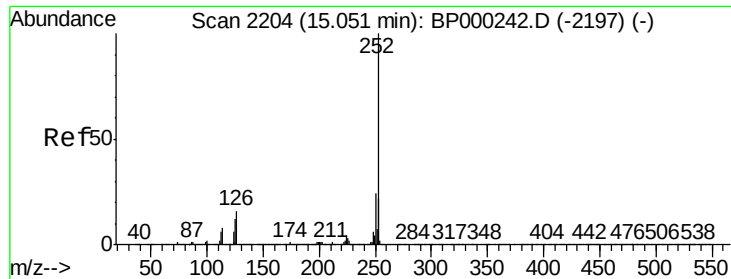
Tot Ion:228	Resp:	258548
Ion Ratio	Lower	Upper
228	100	
226	30.7	24.9 37.3
229	22.4	16.2 24.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion:264	Resp:	723384
Ion Ratio	Lower	Upper
264	100	
260	23.6	18.9 28.3
265	22.1	17.2 25.8

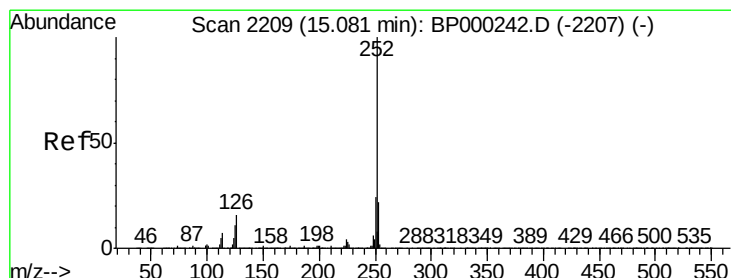
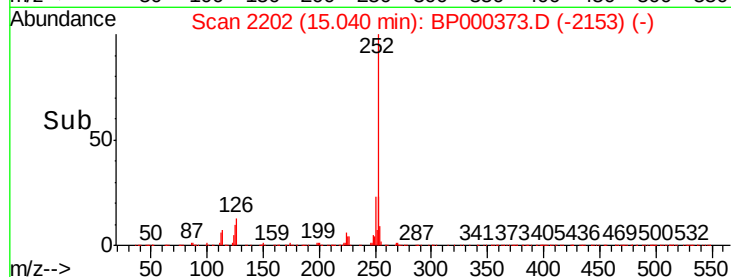
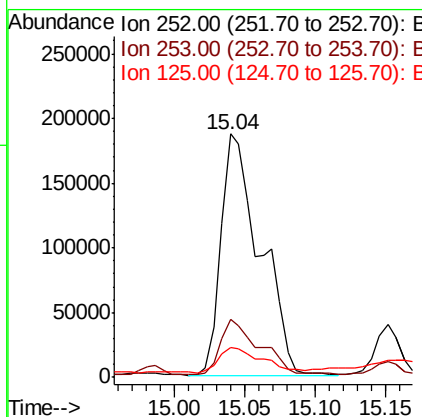
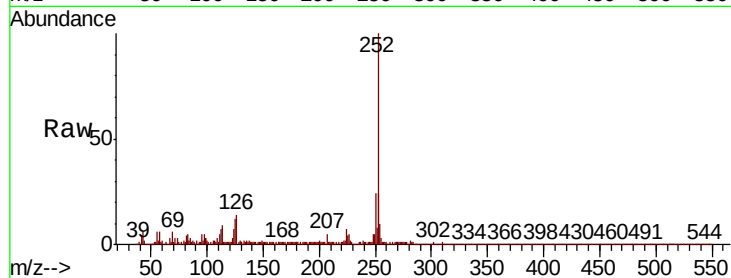




#88
Benzo(b)fluoranthene
Concen: 8.440 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

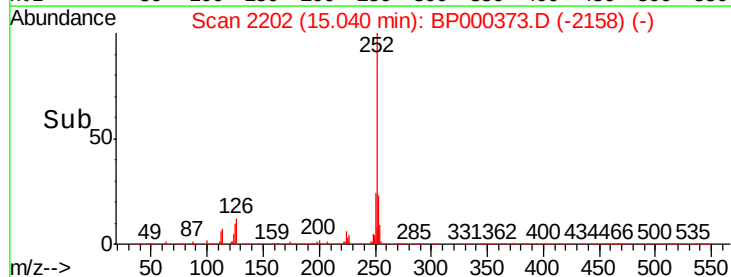
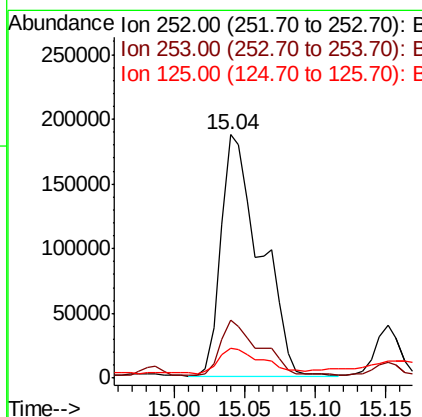
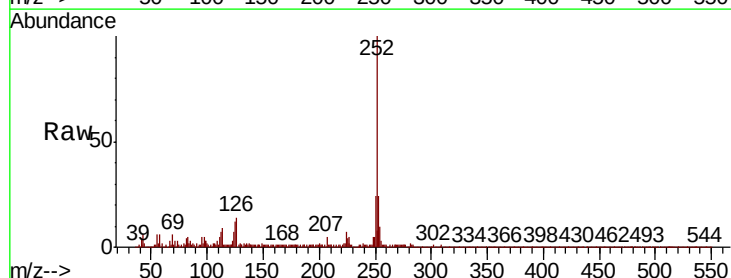
Instrument :
BNA_P
ClientSampleId :

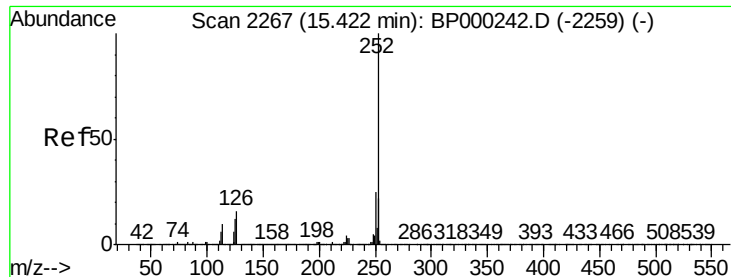
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.3	9.5	14.3



#89
Benzo(k)fluoranthene
Concen: 9.676 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BP000373.D
Acq: 23 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	12.3	9.6	14.4





#90

Benzo(a)pyrene

Concen: 5.365 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

Instrument :

BNA_P

ClientSampleId :

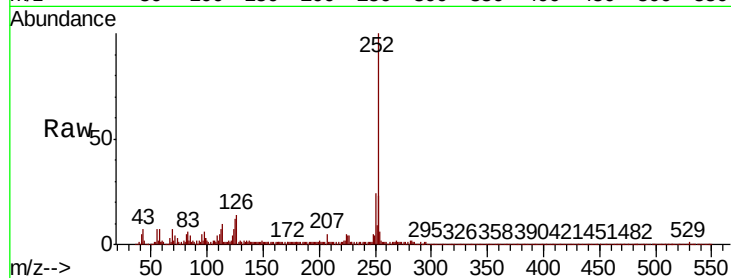
Tot Ion:252 Resp: 210673

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

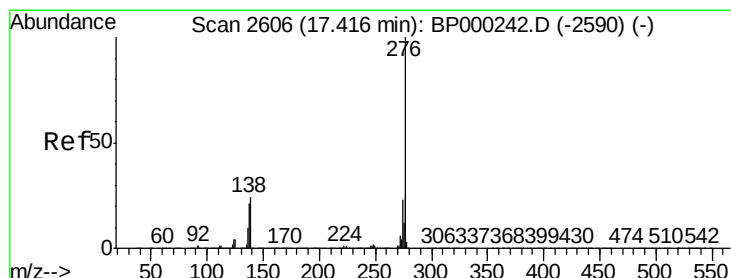
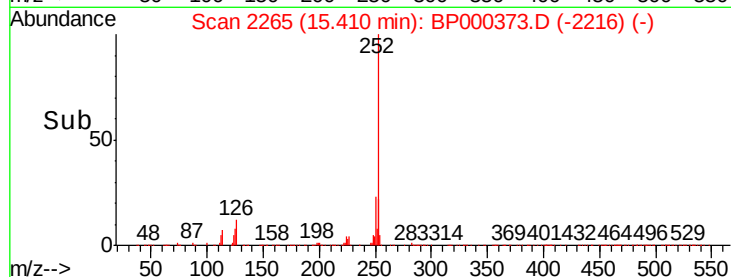
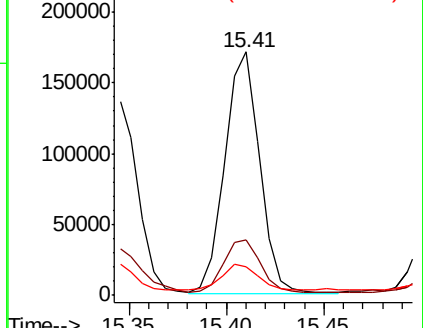
125 11.9 10.0 15.0



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(g,h,i)perylene

Concen: 3.959 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BP000373.D

Acq: 23 Sep 2019 20:17

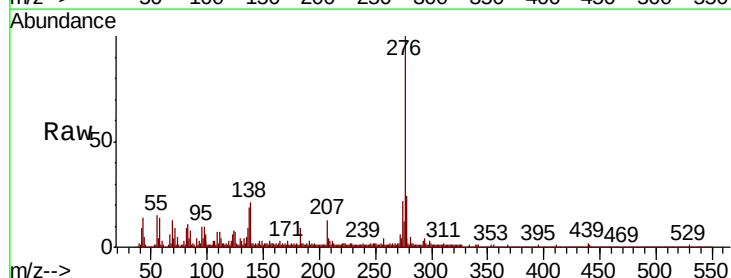
Tgt Ion:276 Resp: 148987

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 20.6 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

