

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
 Data File : BP000432.D
 Acq On : 26 Sep 2019 19:11
 Operator : JU
 Sample : K5038-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 27 00:13:50 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	242647	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	867784	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	476545	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	860467	20.00	ng	0.00
76) Chrysene-d12	14.00	240	733995	20.00	ng	0.00
87) Perylene-d12	15.50	264	810026	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1398630	99.51	ng	0.02
7) Phenol-d6	6.44	99	1806831	104.87	ng	0.02
23) Nitrobenzene-d5	7.35	82	1022388	76.01	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	523304	110.71	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2222391	83.93	ng	0.00
79) Terphenyl-d14	12.94	244	2627482	75.10	ng	0.00

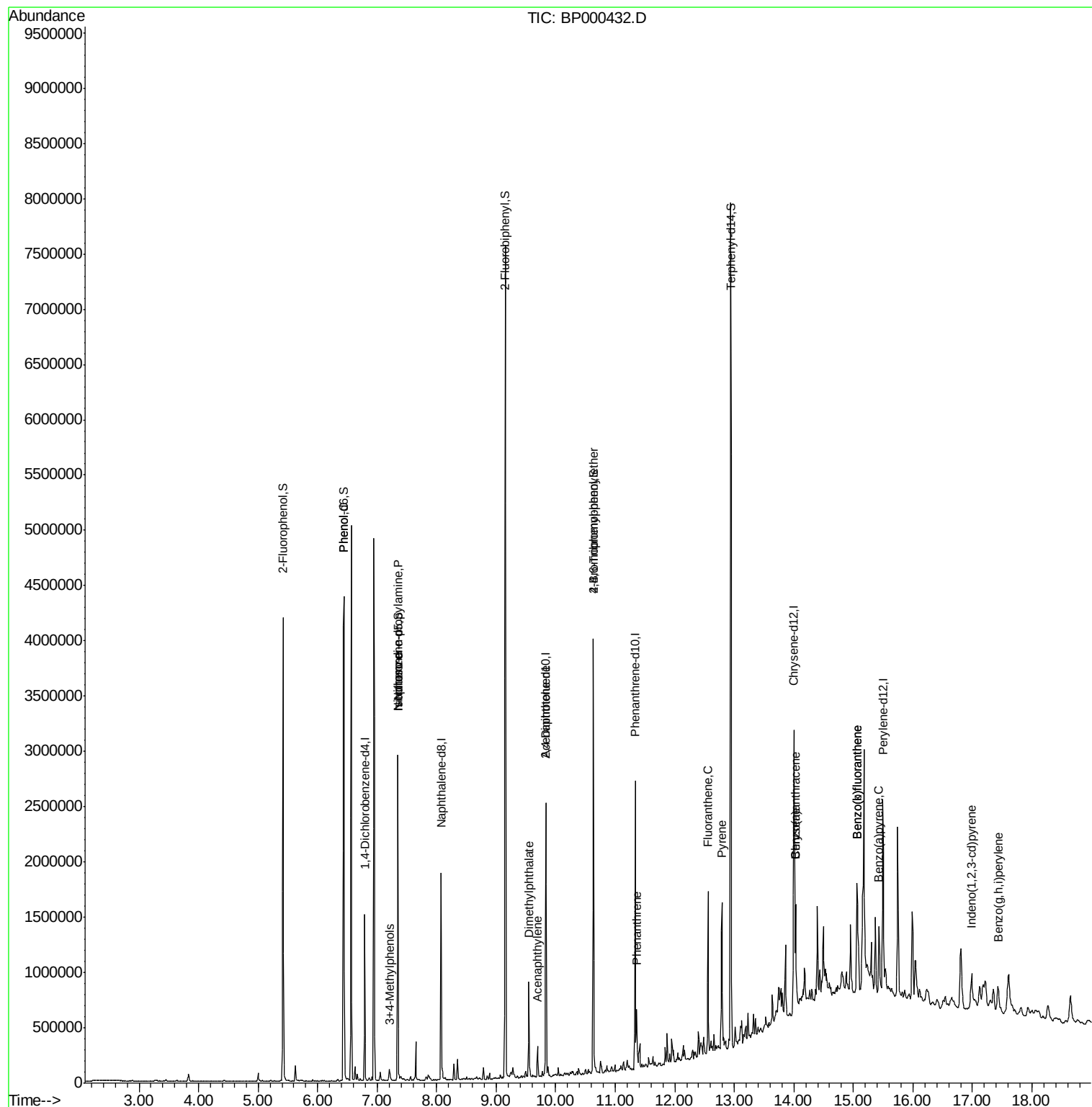
Target Compounds				Qvalue		
9) Benzaldehyde	6.34	77	2765	Below Cal		86
10) Phenol	6.45	94	65111	3.326 ng		86
19) n-Nitroso-di-n-propylamine	7.35	70	125258	13.751 ng	#	76
20) 3+4-Methylphenols	7.20	107	42845	2.733 ng	#	65
25) Isophorone	7.35	82	1021544	38.357 ng	#	63
49) Acenaphthylene	9.69	152	106417	2.560 ng		99
50) Dimethylphthalate	9.55	163	334260	10.295 ng		99
57) 2,4-Dinitrotoluene	9.83	165	63296	6.782 ng	#	35
67) 4-Bromophenyl-phenylether	10.63	248	36954	3.798 ng	#	1
69) Atrazine	11.03	200	144	Below Cal	#	1
71) Phenanthrene	11.36	178	178678	4.144 ng		99
75) Fluoranthene	12.56	202	452620	9.775 ng		99
78) Pyrene	12.79	202	525868	9.576 ng		98
81) Benzo(a)anthracene	14.03	228	372491	8.034 ng		96
83) Chrysene	14.03	228	372491	8.182 ng		98
86) Indeno(1,2,3-cd)pyrene	16.99	276	200776	3.618 ng		94
88) Benzo(b)fluoranthene	15.06	252	689759	14.274 ng		98
89) Benzo(k)fluoranthene	15.06	252	689759	16.364 ng		98
90) Benzo(a)pyrene	15.43	252	264314	6.011 ng		99
92) Benzo(a,h,i)perylene	17.43	276	194655	4.619 ng		99

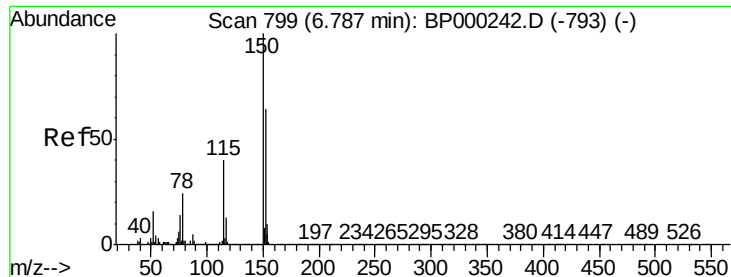
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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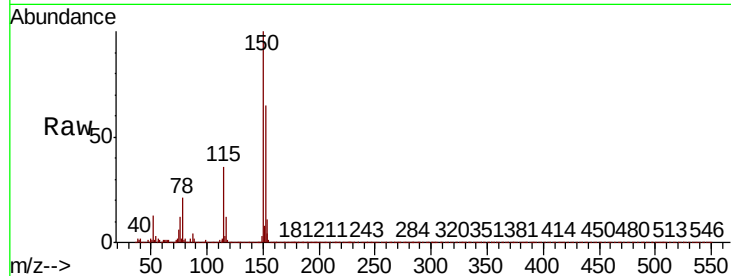


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.2	187.8
115	55.7	49.7	74.5

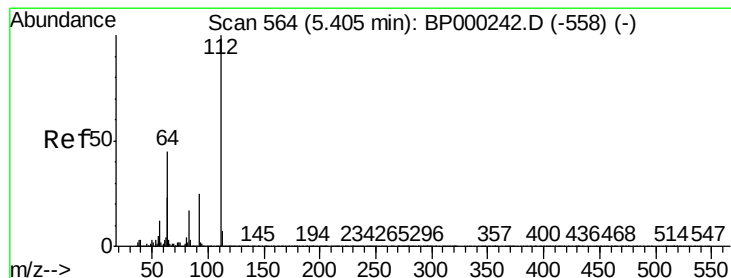
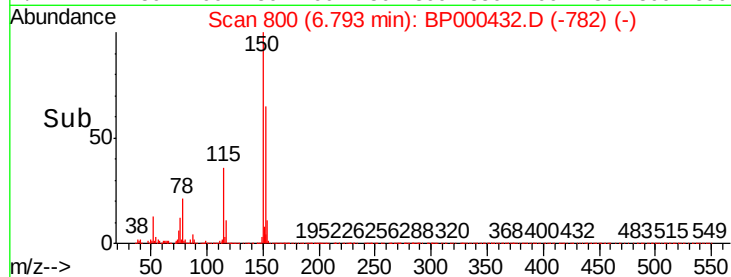
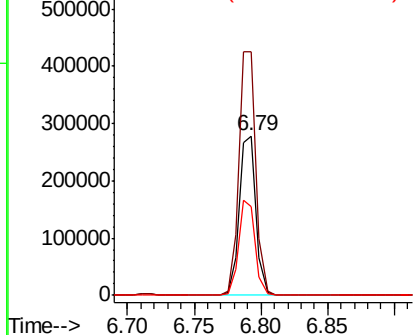


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

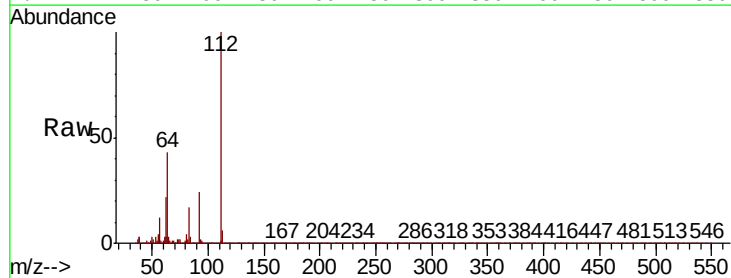
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.508 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.7	36.2	54.4
63	21.9	18.3	27.5

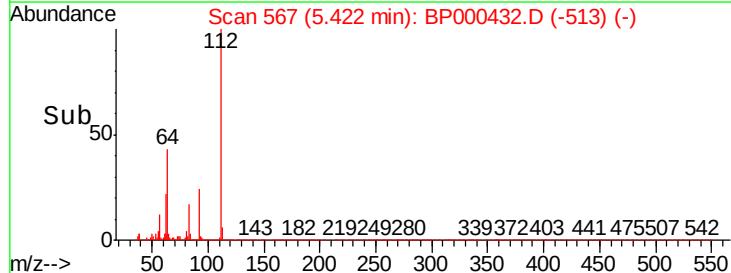
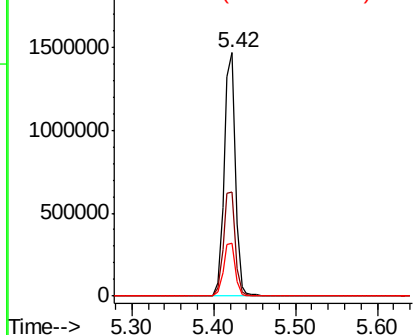


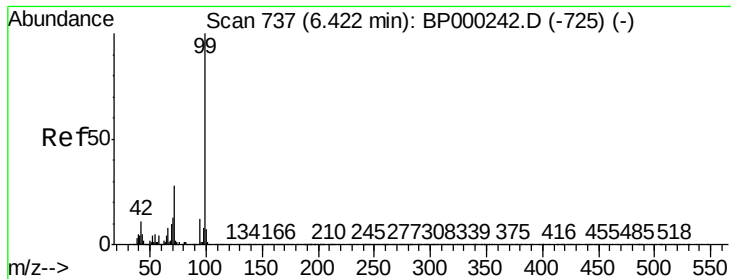
Abundance

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: 104.871 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampled :

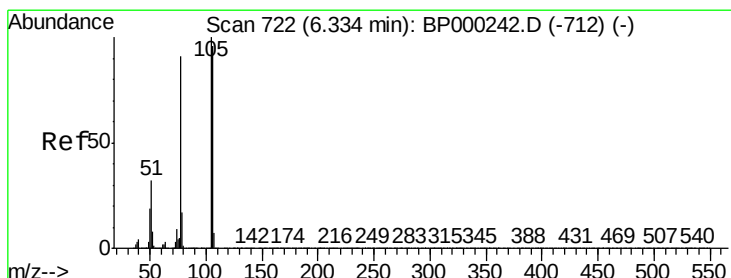
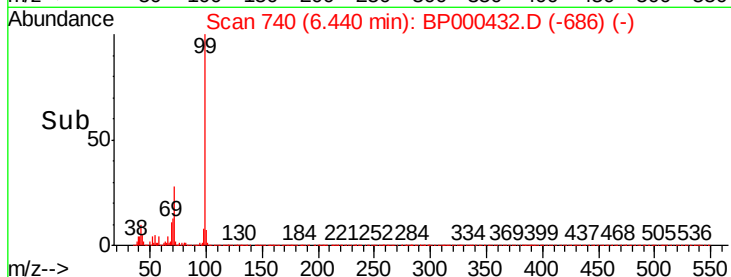
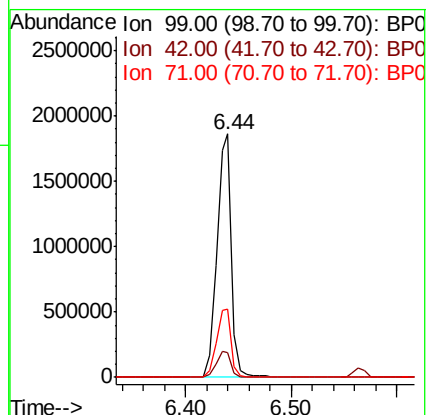
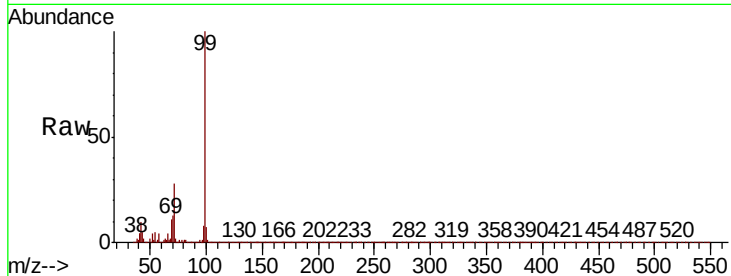
Tot Ion: 99 Resp: 1806831

Ion Ratio Lower Upper

99 100

42 10.4 8.5 12.7

71 28.2 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

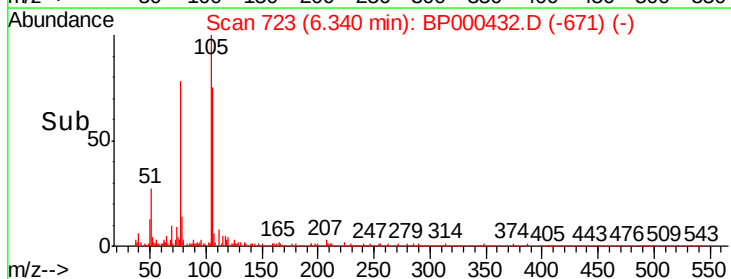
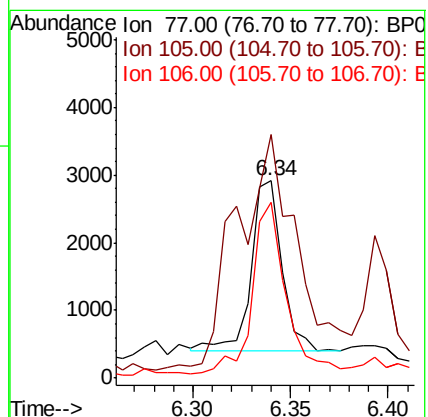
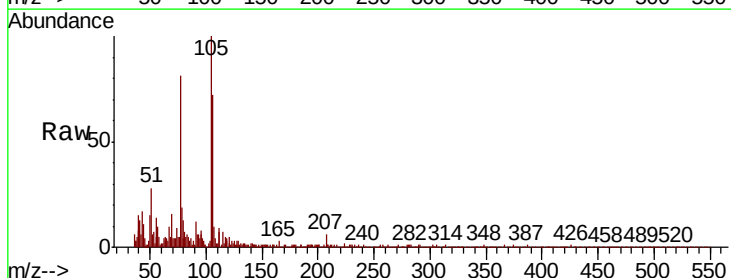
Tgt Ion: 77 Resp: 2765

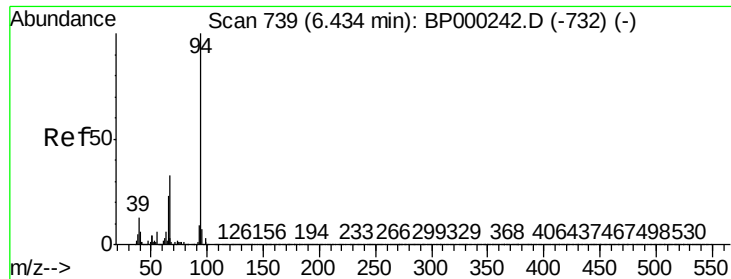
Ion Ratio Lower Upper

77 100

105 123.6 89.6 129.6

106 89.1 84.6 124.6





#10

Phenol

Concen: 3.326 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampled :

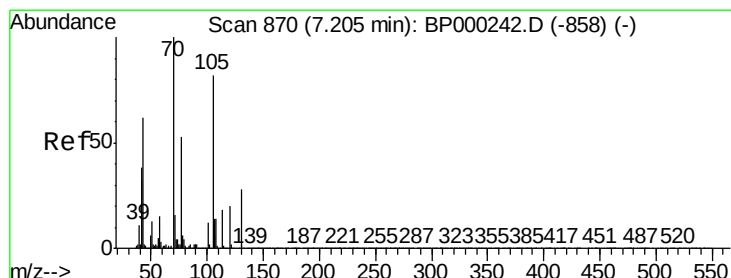
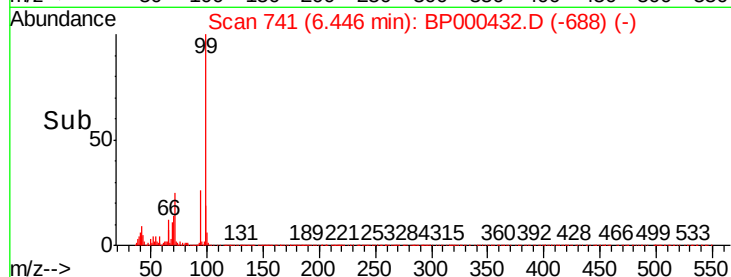
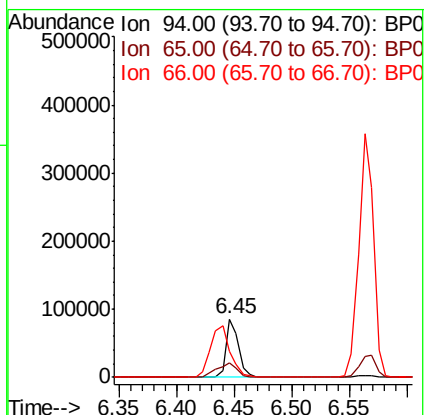
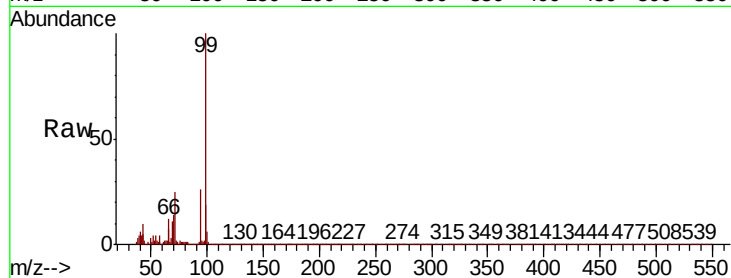
Tot Ion: 94 Resp: 65111

Ion Ratio Lower Upper

94 100

65 25.7 3.3 43.3

66 44.5 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.751 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Tgt Ion: 70 Resp: 125258

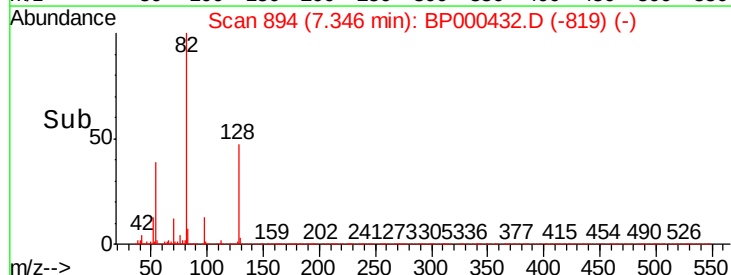
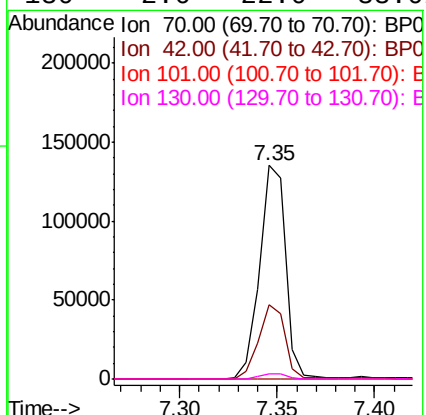
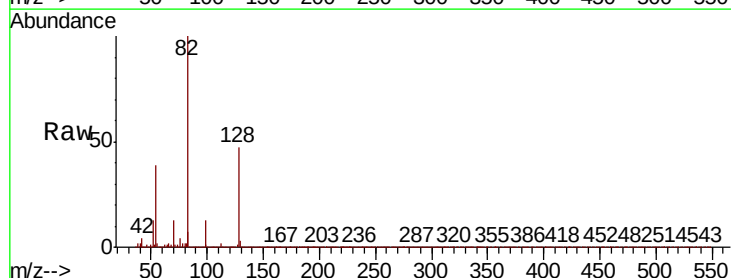
Ion Ratio Lower Upper

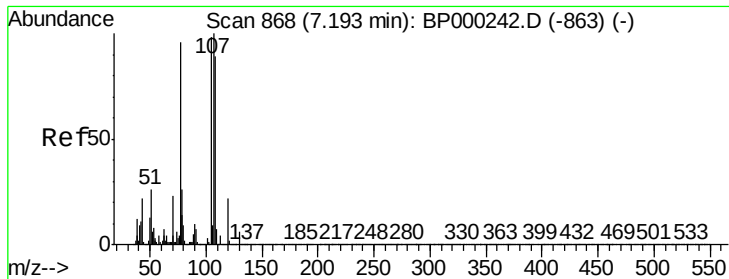
70 100

42 34.8 30.7 46.1

101 0.0 9.6 14.4#

130 2.6 22.0 33.0#

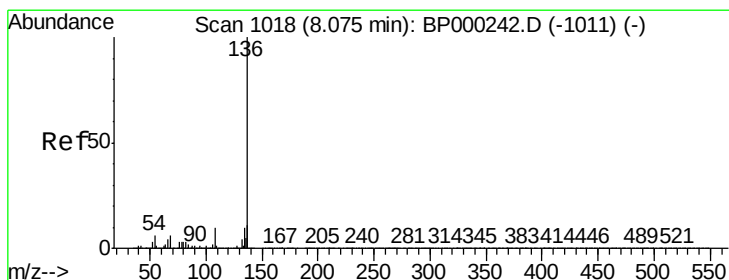
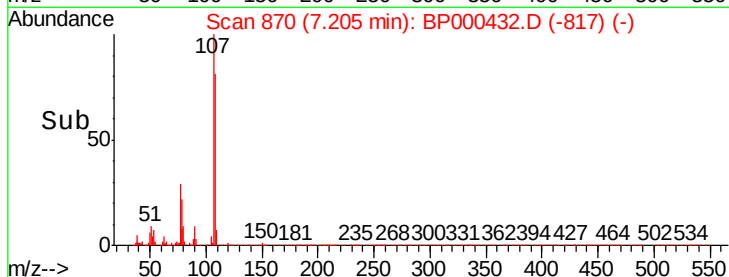
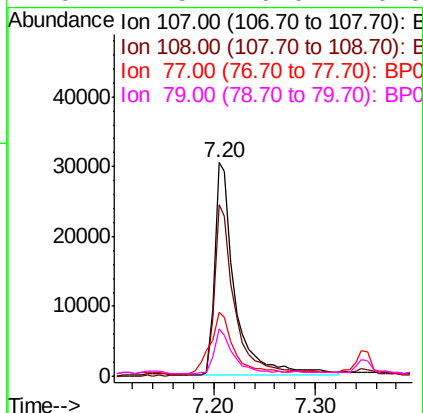
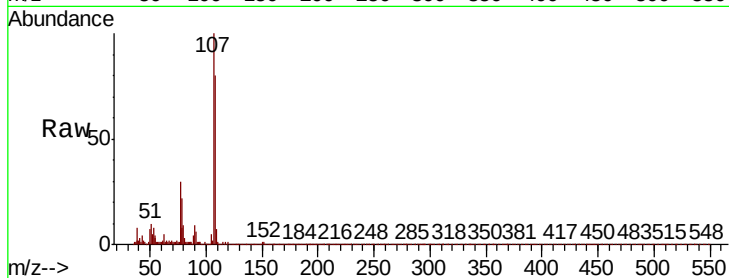




#20
3+4-Methylphenols
Concen: 2.733 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

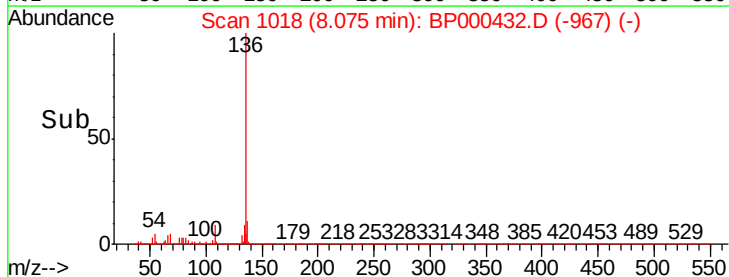
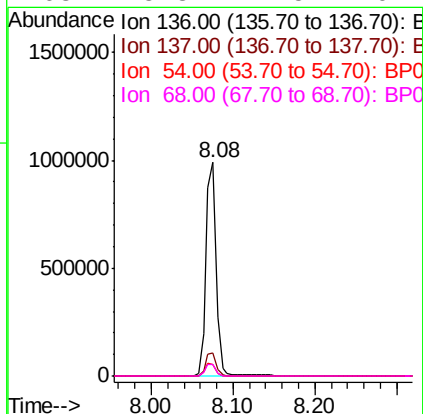
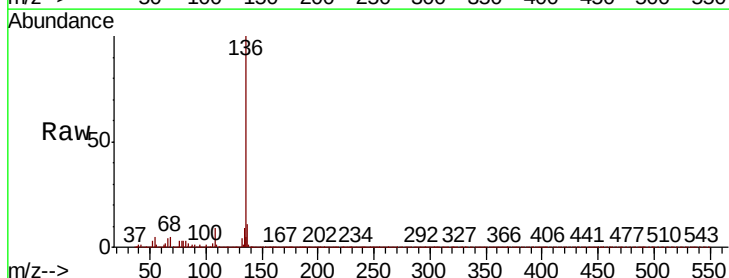
Instrument :
BNA_P
ClientSampleId :

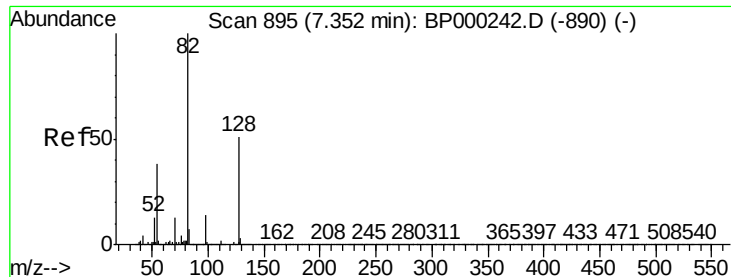
Tot Ion:	107	Resp:	42845
Ion	Ratio	Lower	Upper
107	100		
108	80.3	68.8	108.8
77	30.2	75.7	115.7#
79	22.5	6.0	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion:	136	Resp:	867784
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	5.3	4.5	6.7
68	5.3	4.5	6.7



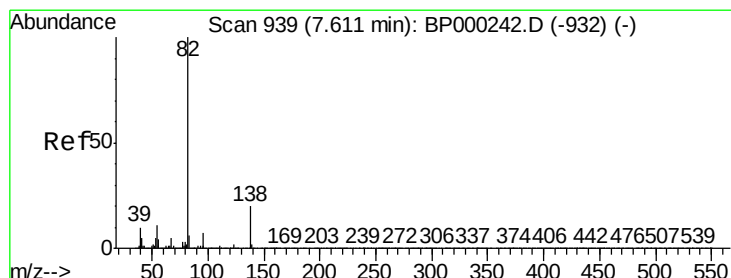
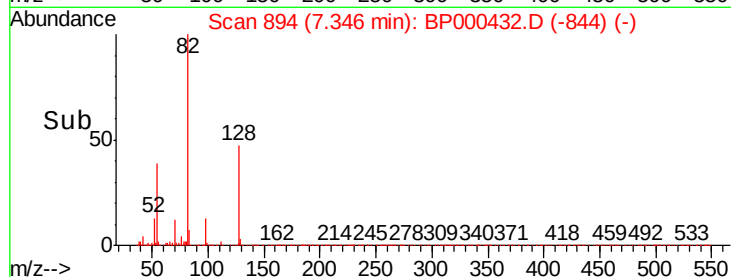
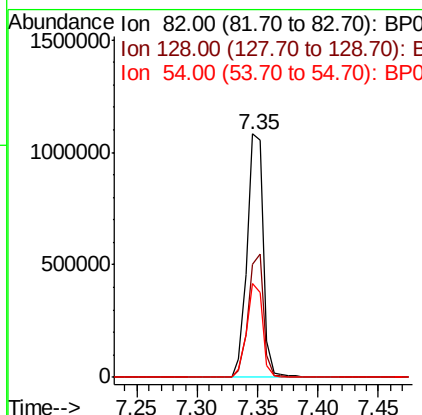
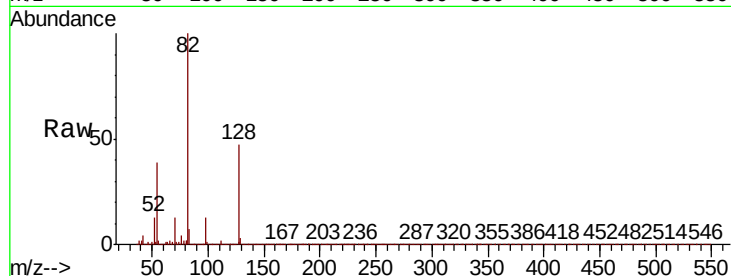


#23
 Nitrobenzene-d5
 Concen: 76.014 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000432.D
 Acq: 26 Sep 2019 19:11

Instrument :
 BNA_P
 ClientSampleID :

Tot Ion: 82 Resp: 1022388

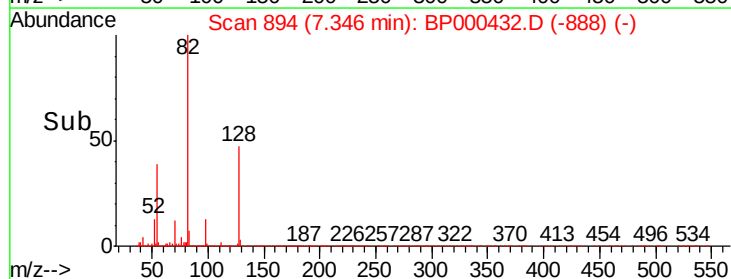
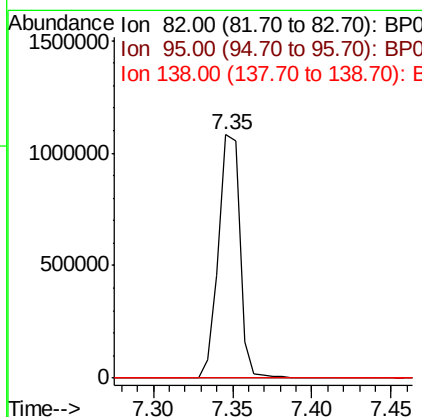
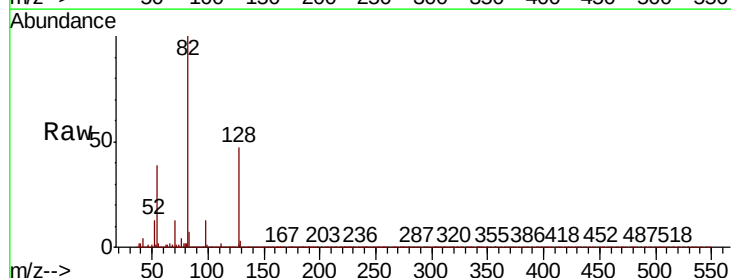
Ion	Ratio	Lower	Upper
82	100		
128	46.6	40.7	61.1
54	38.7	30.1	45.1

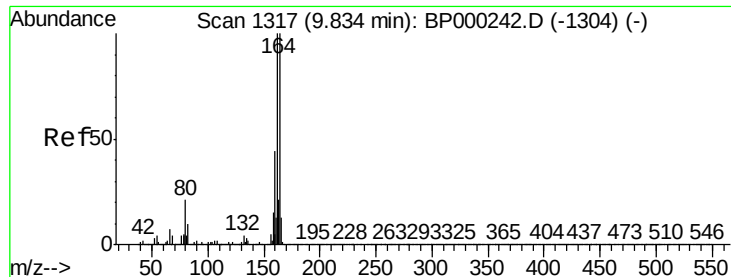


#25
 Isophorone
 Concen: 38.357 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BP000432.D
 Acq: 26 Sep 2019 19:11

Tgt Ion: 82 Resp: 1021544

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.9	8.9#
138	0.0	15.9	23.9#

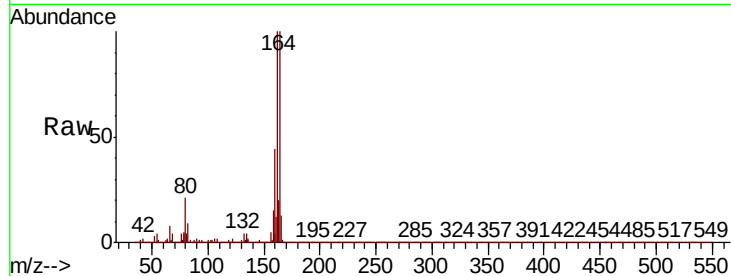




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.9	119.9
160	43.9	35.6	53.4

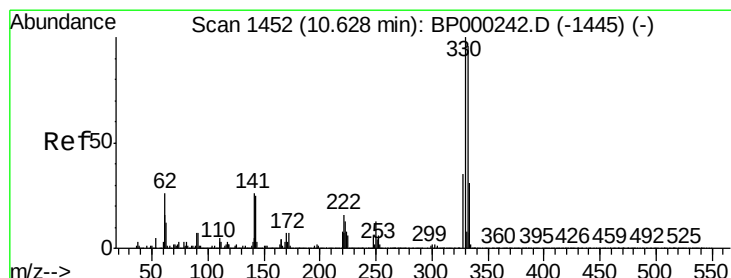
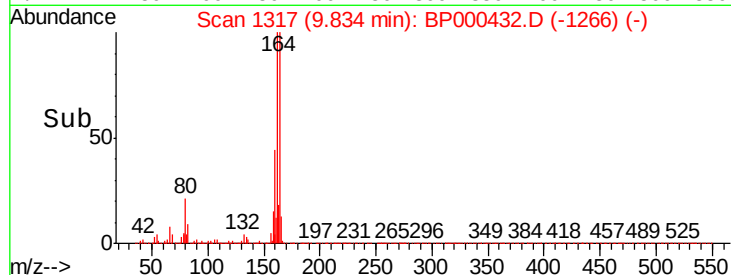
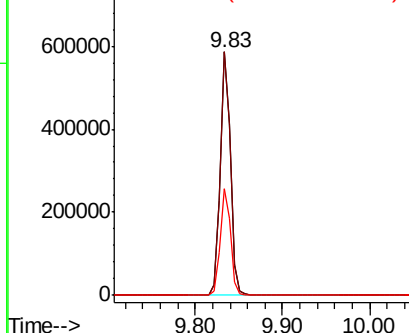


Abundance

Ion 164.00 (163.70 to 164.70): E

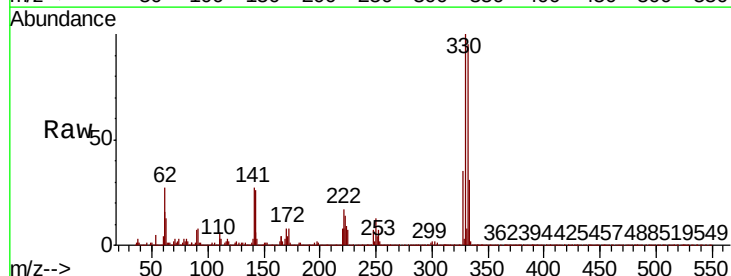
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 110.713 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	33.3	26.5	39.7

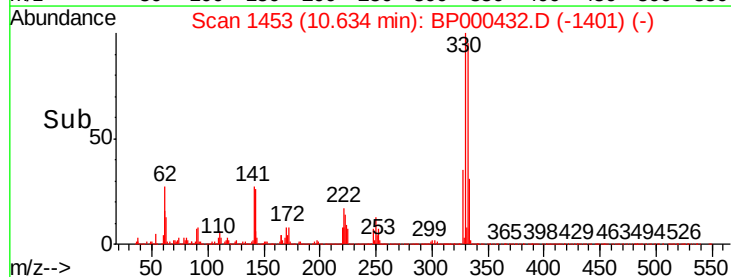
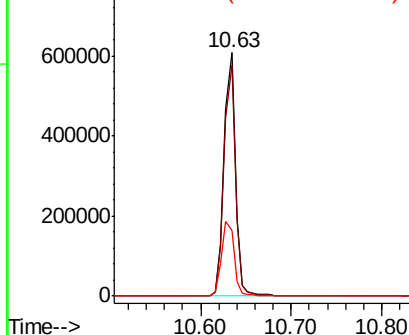


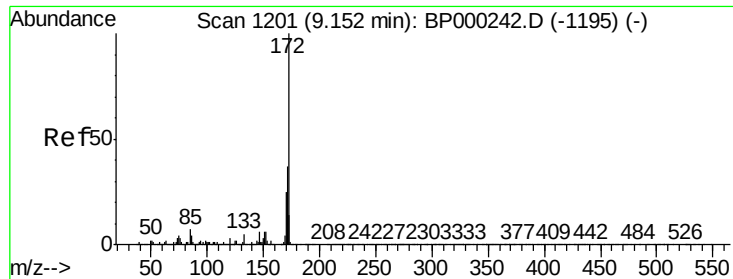
Abundance

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

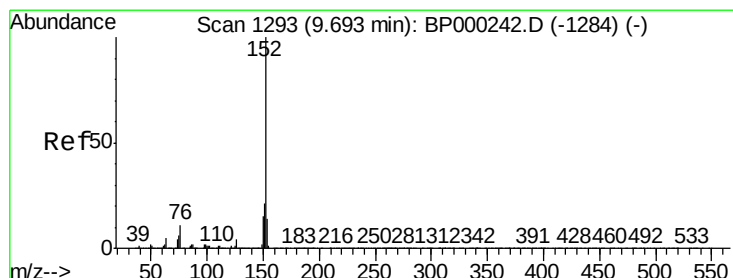
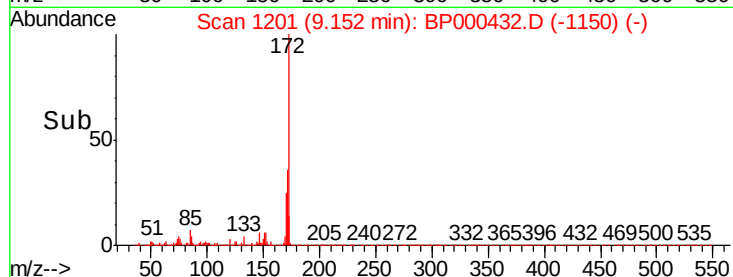
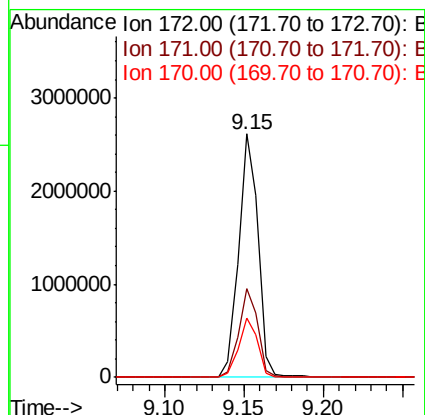
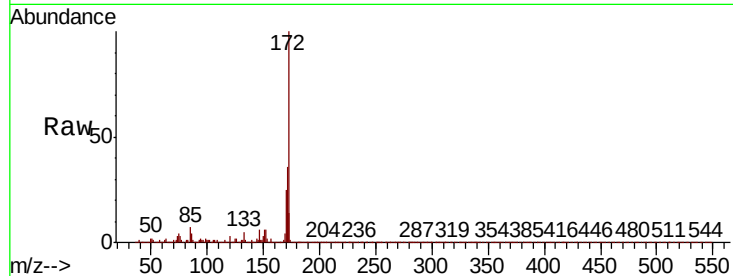




#45
2-Fluorobiphenyl
Concen: 83.935 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

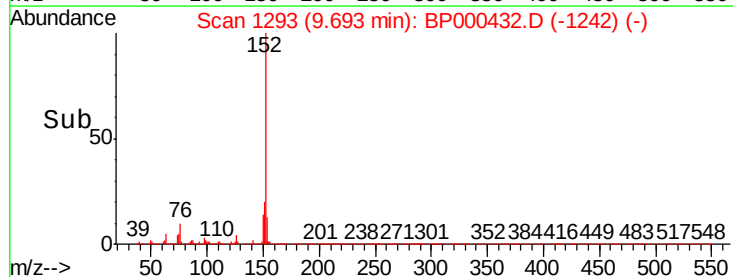
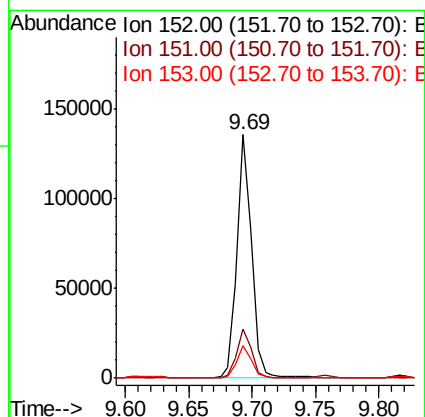
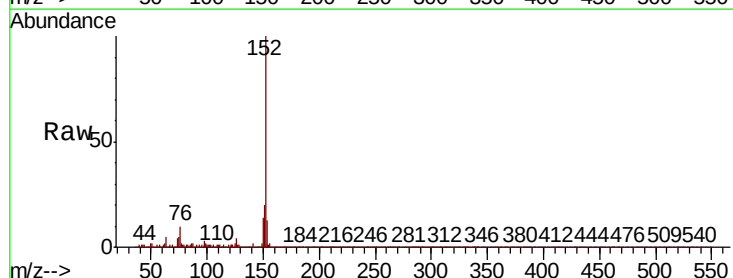
Instrument :
BNA_P
ClientSampleId :

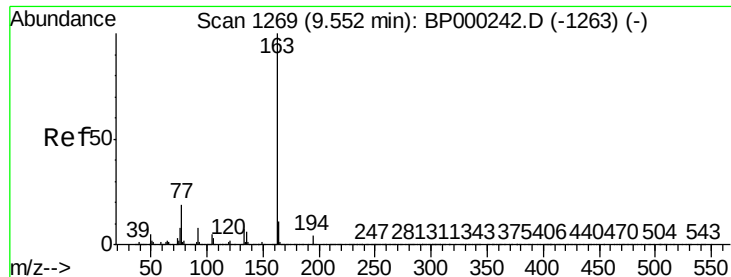
Tot Ion:172 Resp: 2222391
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 24.6 19.8 29.6



#49
Acenaphthylene
Concen: 2.560 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion:152 Resp: 106417
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.1 11.0 16.4





#50

Dimethylphthalate

Concen: 10.295 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampleId :

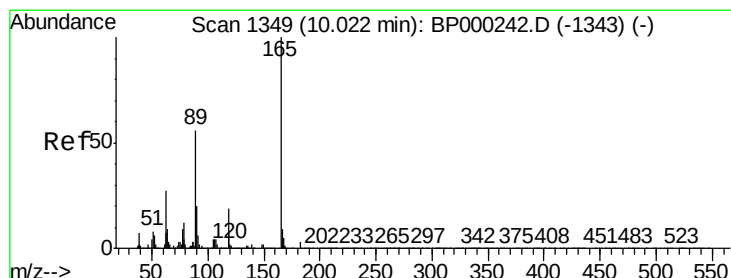
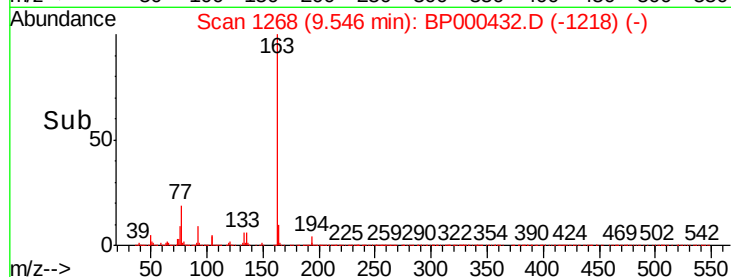
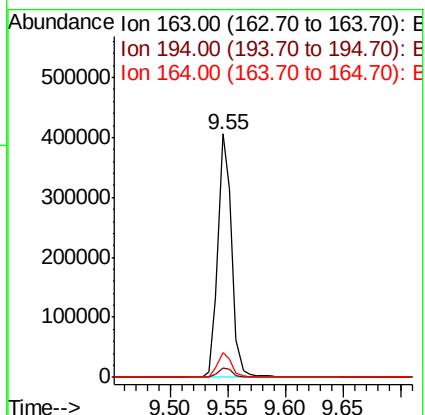
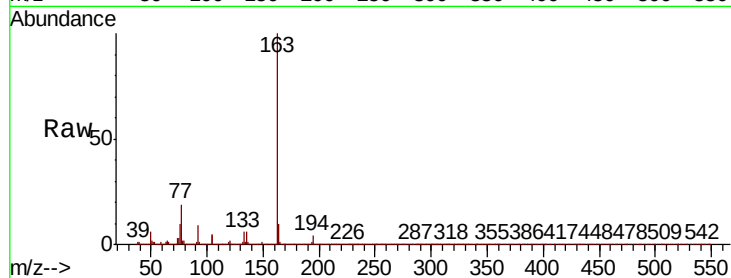
Tot Ion:163 Resp: 334260

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.2 8.5 12.7



#57

2,4-Dinitrotoluene

Concen: 6.782 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Tgt Ion:165 Resp: 63296

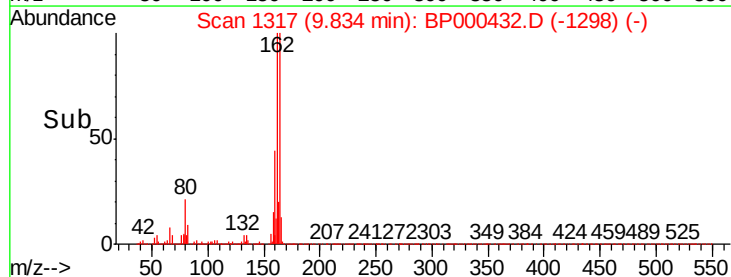
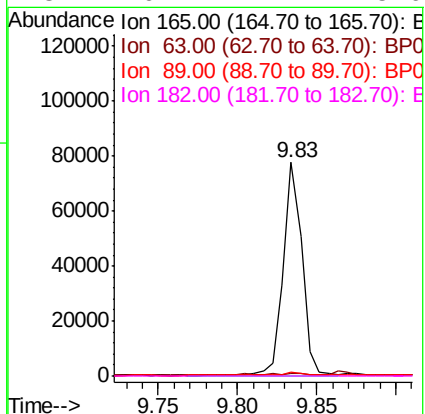
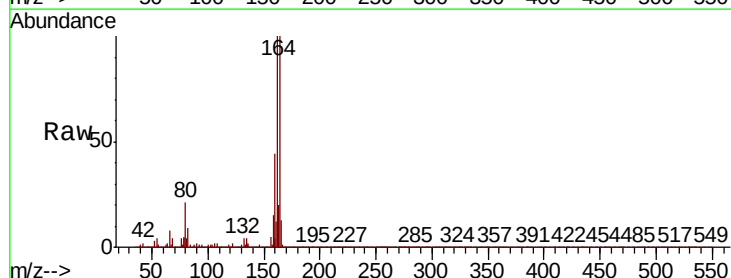
Ion Ratio Lower Upper

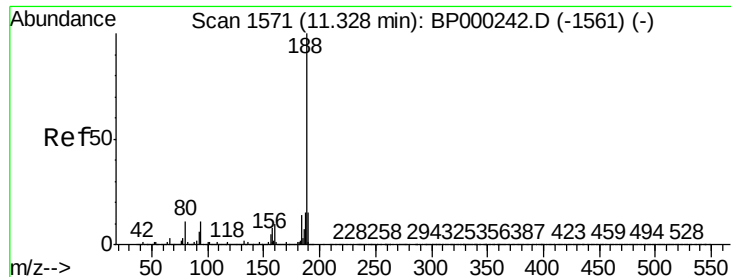
165 100

63 1.3 21.7 32.5#

89 1.6 45.0 67.6#

182 0.1 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BP000432.D

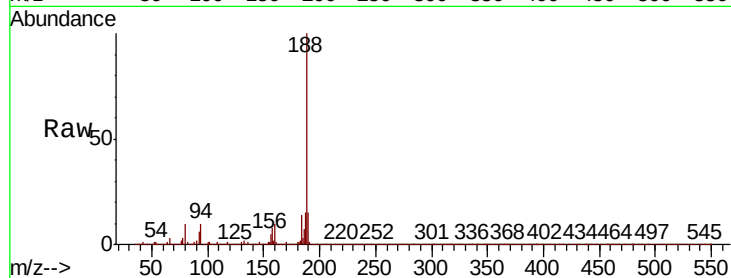
Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampleId :

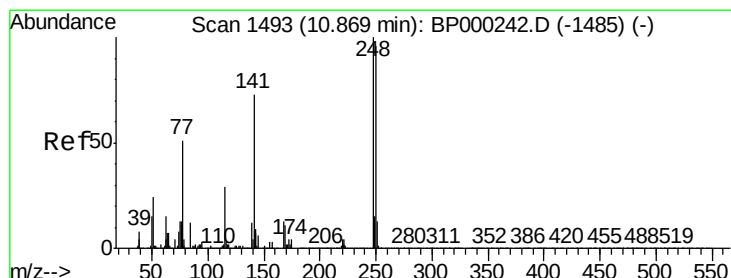
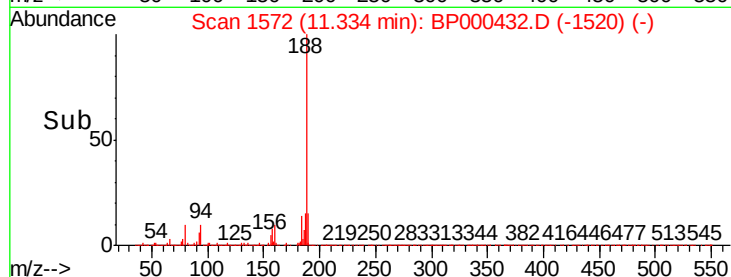
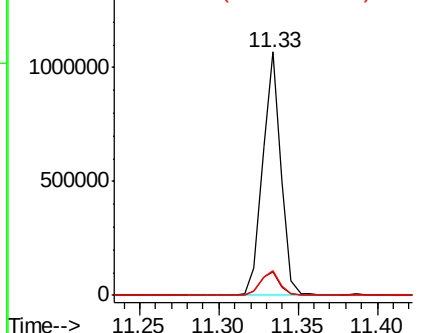
Tot Ion:188	Resp:	860467
Ion Ratio	Lower	Upper
188	100	
94	9.9	8.5 12.7
80	10.1	8.6 13.0



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: 3.798 ng

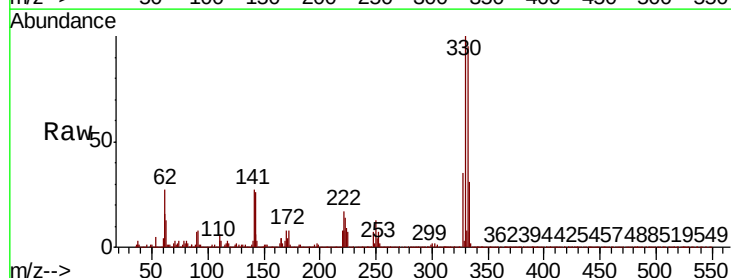
RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

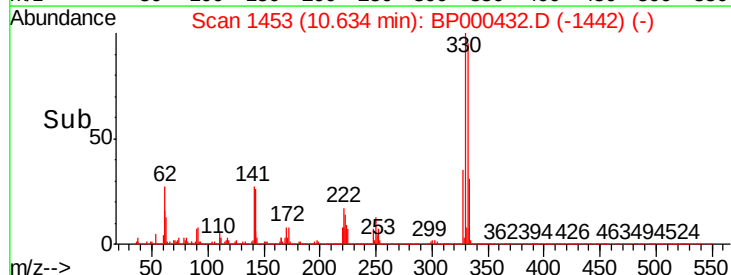
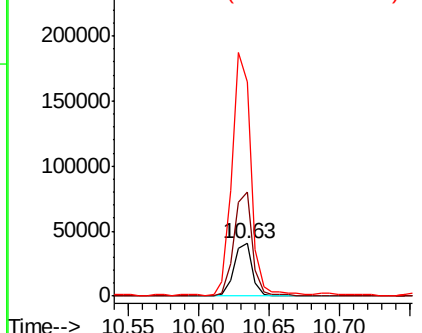
Tgt Ion:248	Resp:	36954
Ion Ratio	Lower	Upper
248	100	
250	198.3	77.0 115.4#
141	409.7	58.5 87.7#

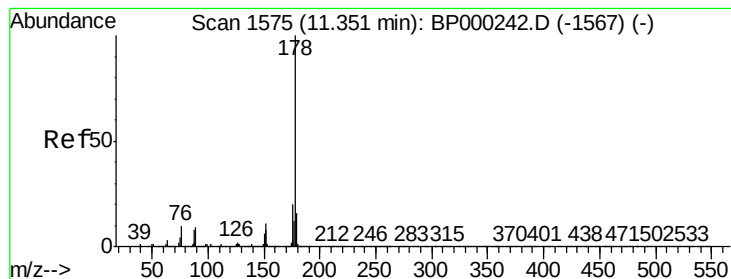


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.144 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampleId :

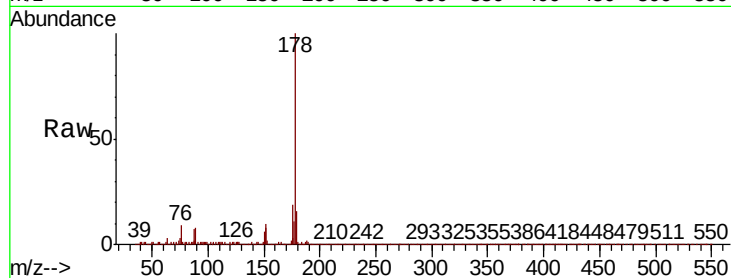
Tot Ion:178 Resp: 178678

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

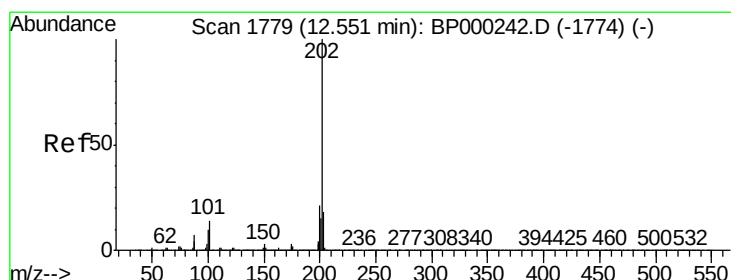
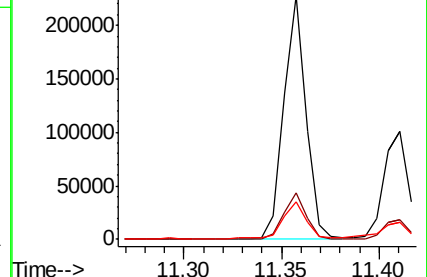
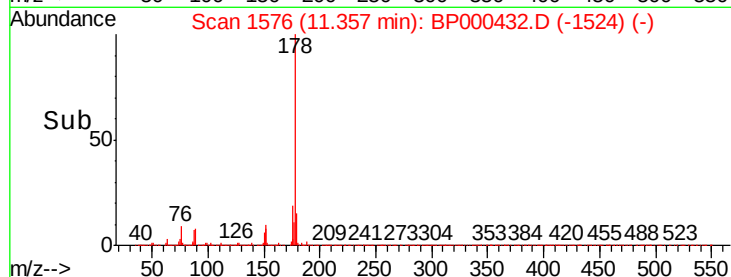
179 15.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 9.775 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

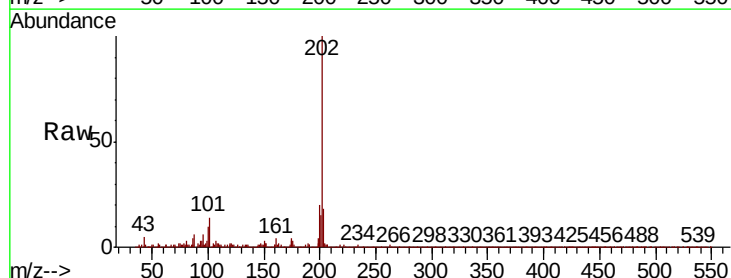
Tgt Ion:202 Resp: 452620

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.9

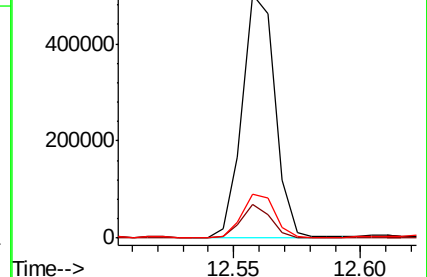
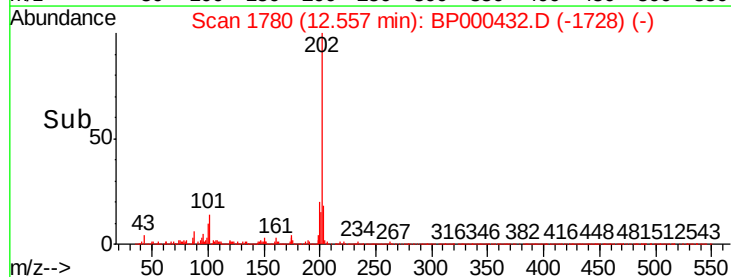
203 18.2 0.0 38.0

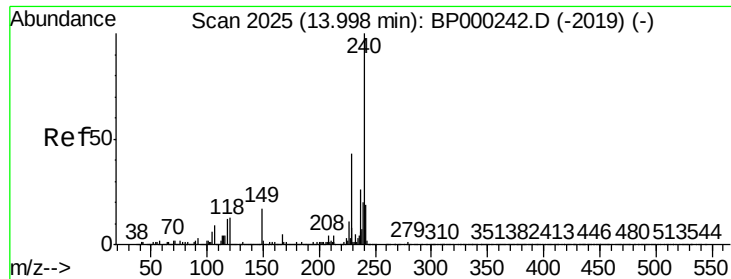


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

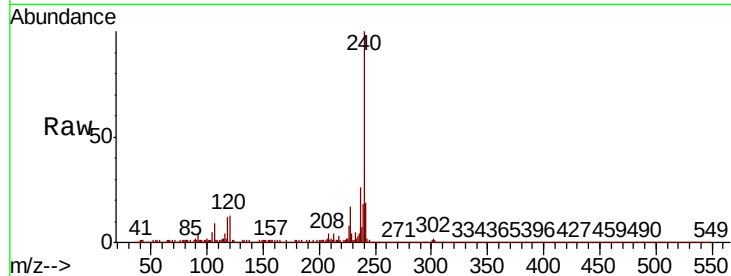




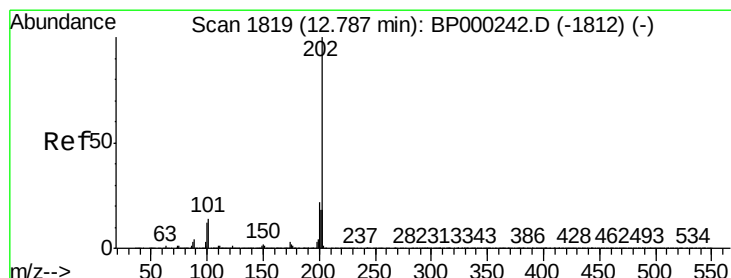
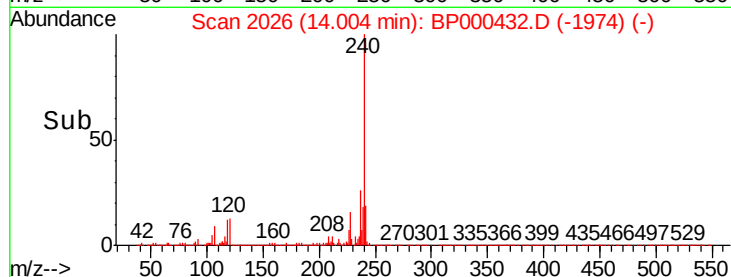
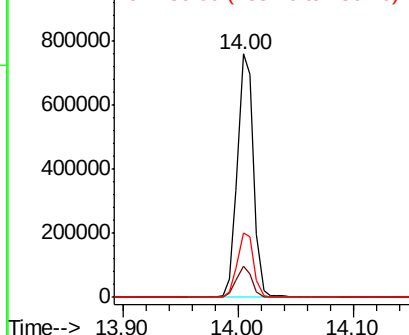
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 733995
Ion Ratio Lower Upper
240 100
120 13.0 10.4 15.6
236 26.4 21.0 31.6

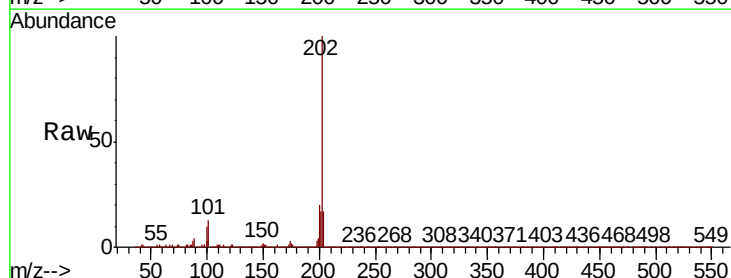


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

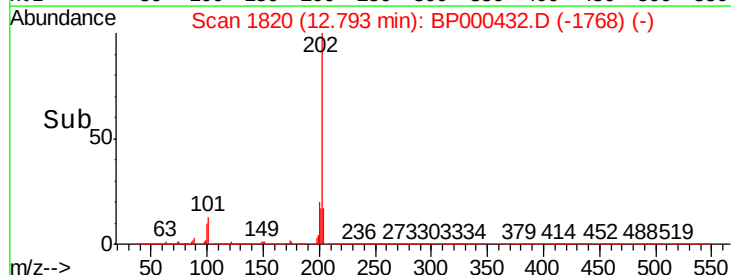
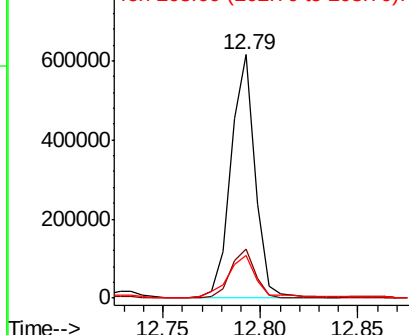


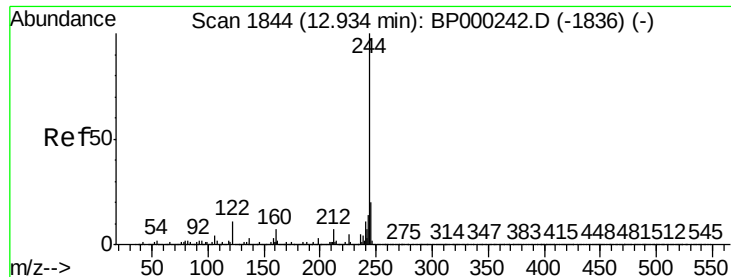
#78
Pyrene
Concen: 9.576 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion:202 Resp: 525868
Ion Ratio Lower Upper
202 100
200 20.4 17.5 26.3
203 17.4 14.3 21.5



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: 75.097 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampleId :

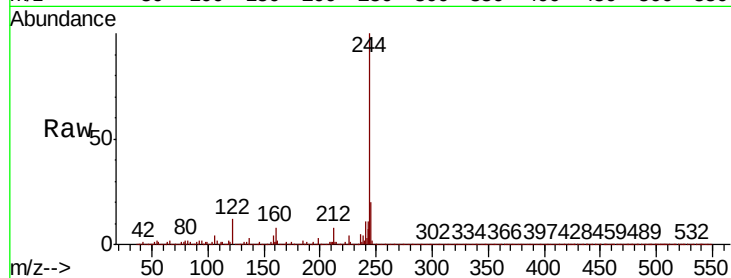
Tot Ion:244 Resp: 2627482

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

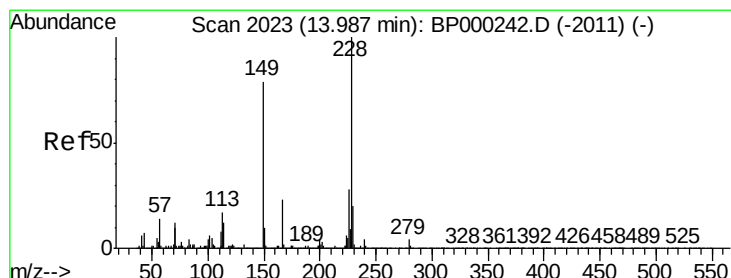
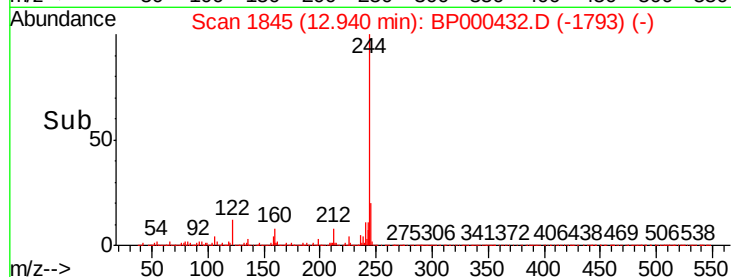
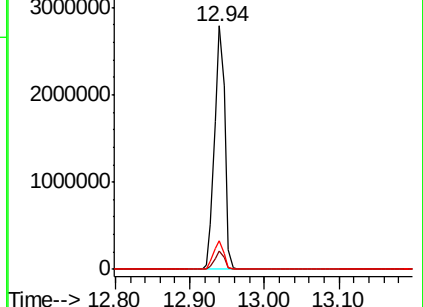
122 11.7 9.0 13.4



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: 8.034 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.05 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

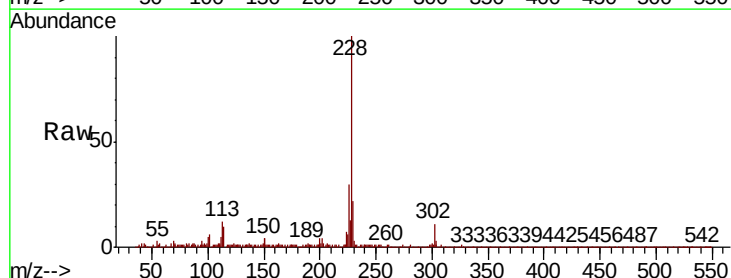
Tgt Ion:228 Resp: 372491

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.4

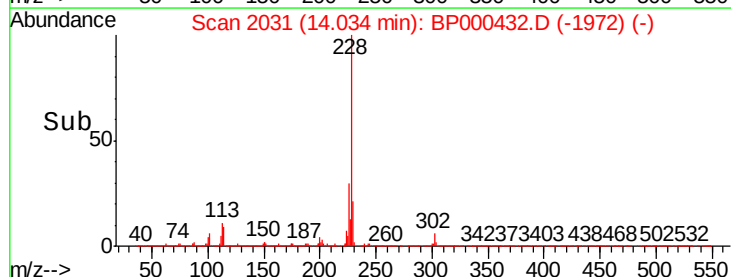
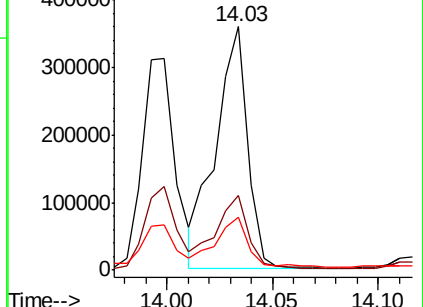
229 21.5 16.0 24.0

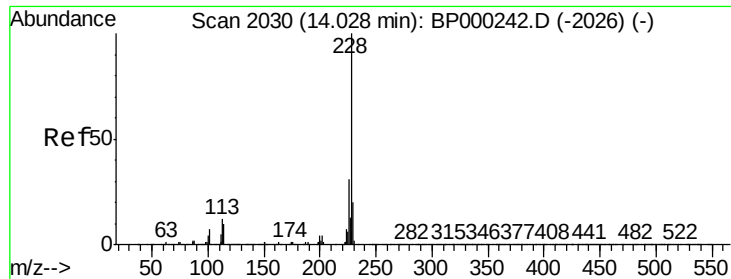


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

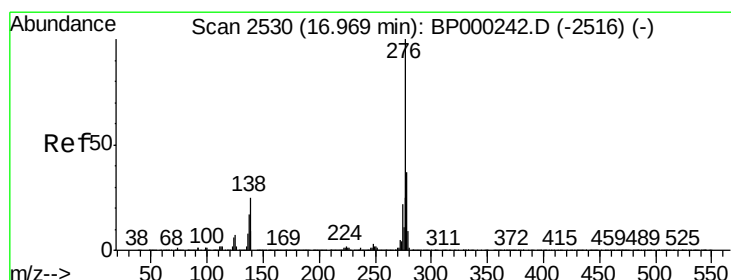
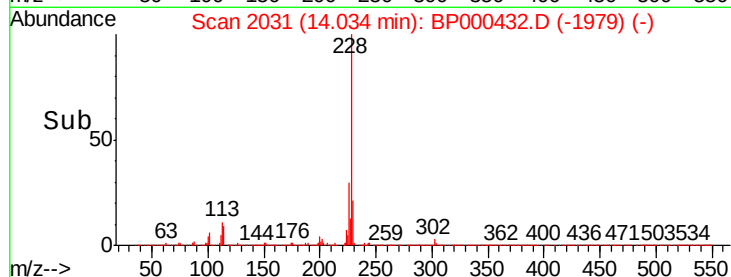
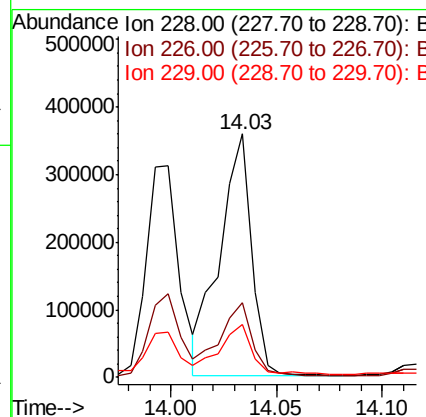
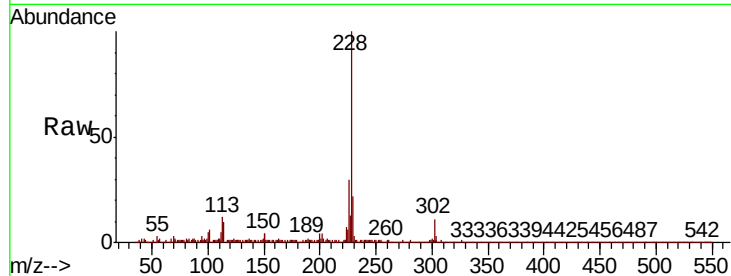




#83
Chrysene
Concen: 8.182 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

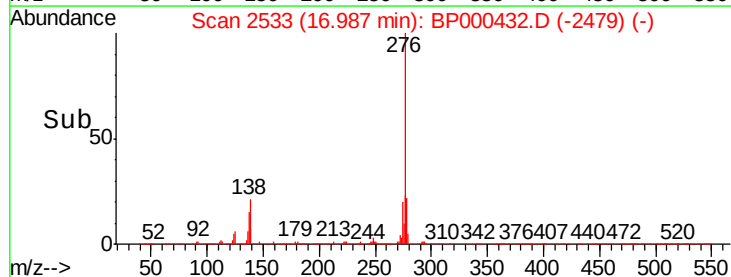
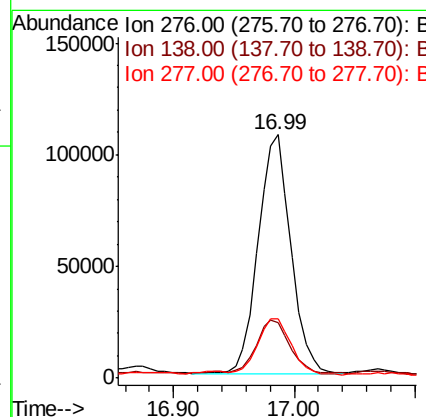
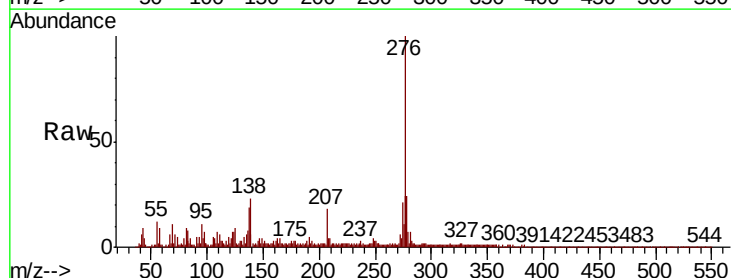
Instrument :
BNA_P
ClientSampled :

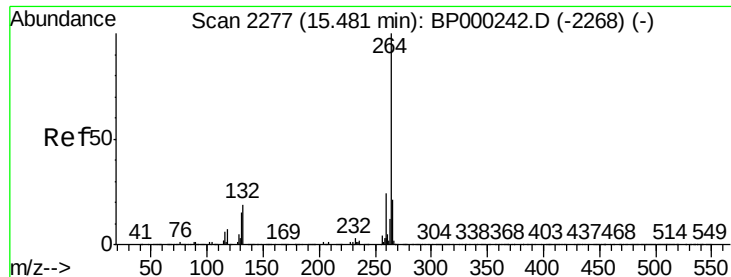
Tot	Ion:228	Resp:	372491
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.5	16.2	24.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.618 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion:276	Resp: 200776
Ion Ratio	Lower Upper
276 100	
138 23.6	22.6 33.8
277 24.1	20.4 30.6

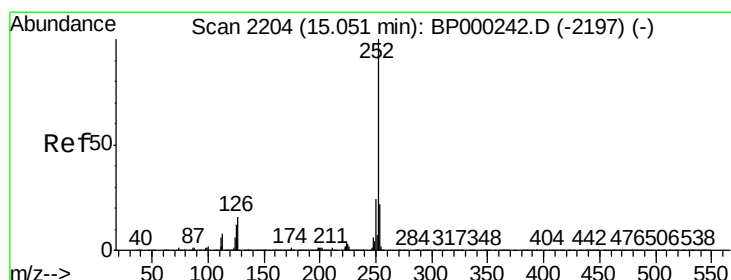
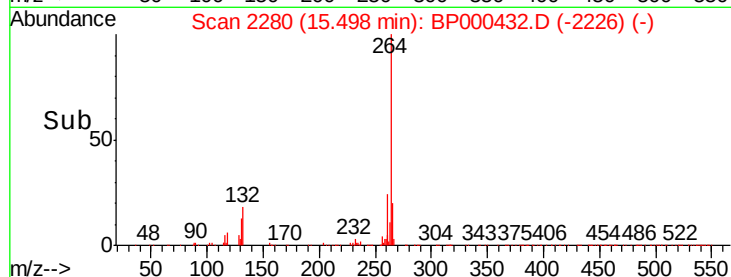
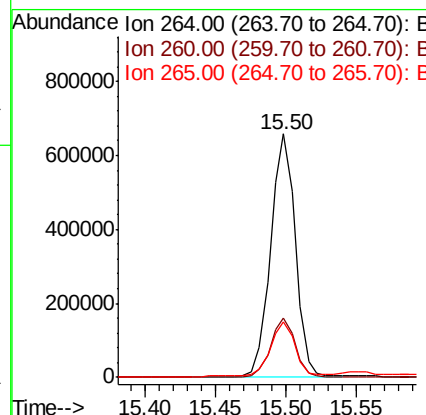
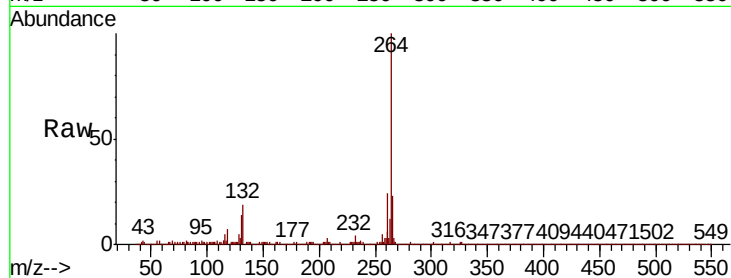




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

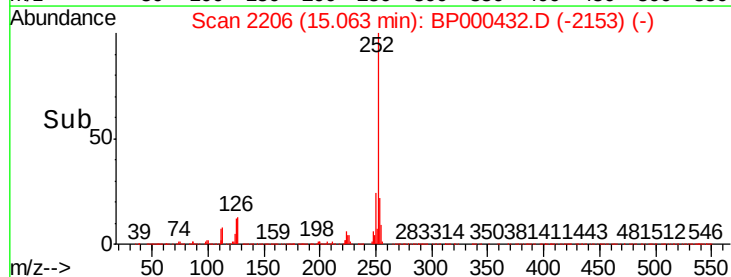
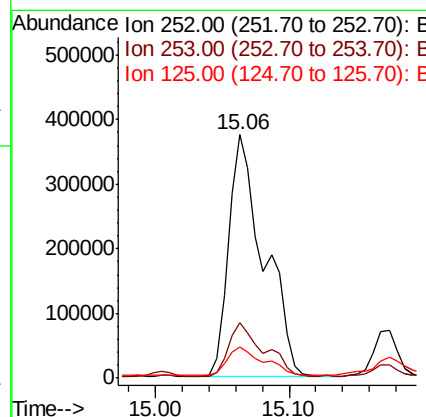
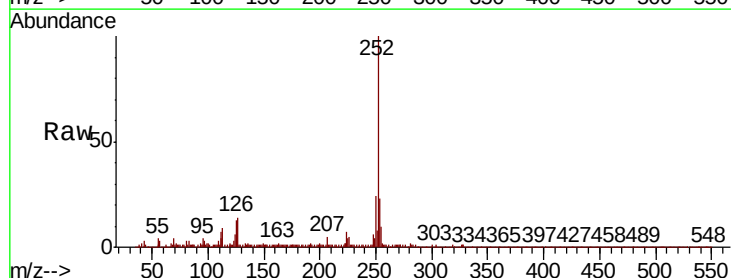
Instrument :
BNA_P
ClientSampleId :

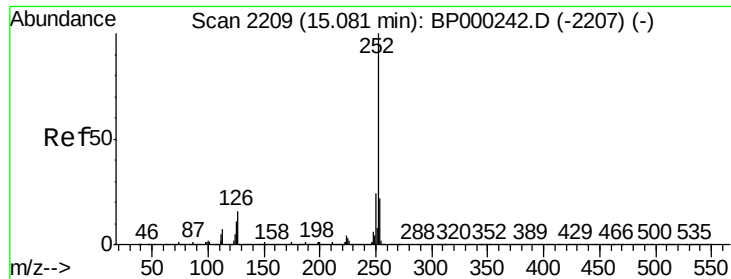
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.6	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 14.274 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	13.0	9.5	14.3

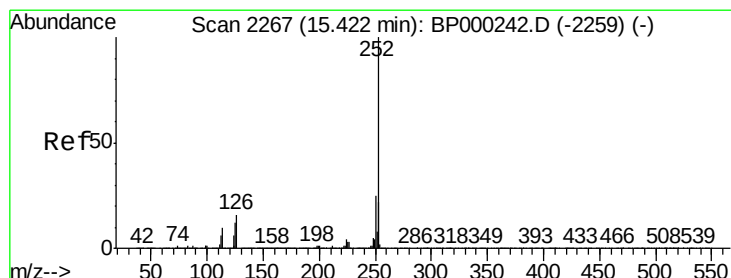
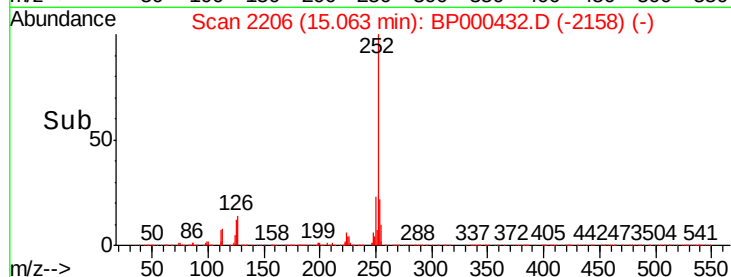
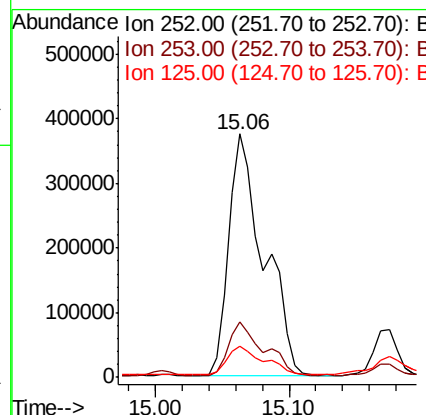
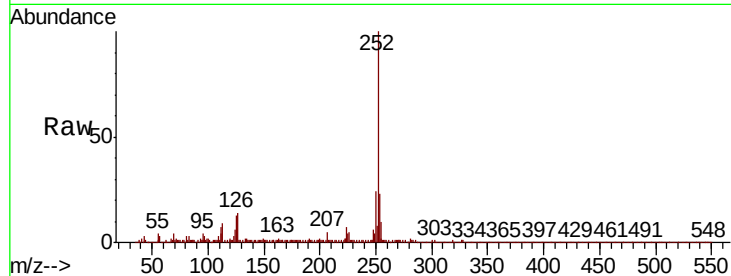




#89
Benzo(k)fluoranthene
Concen: 16.364 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

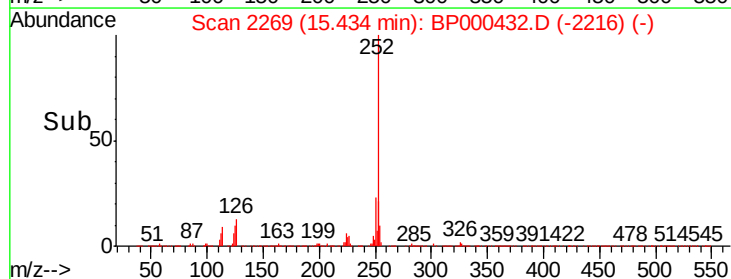
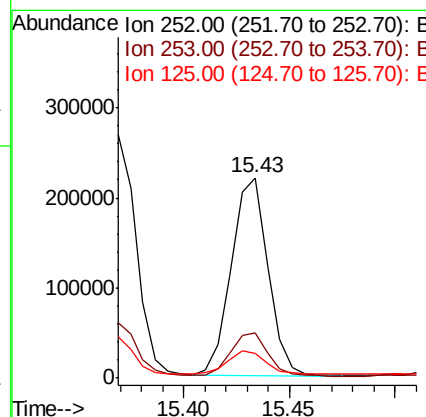
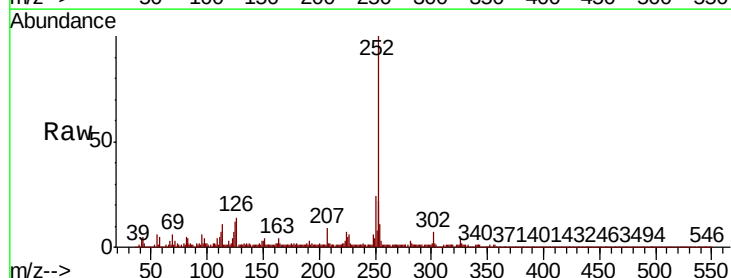
Instrument :
BNA_P
ClientSampled :

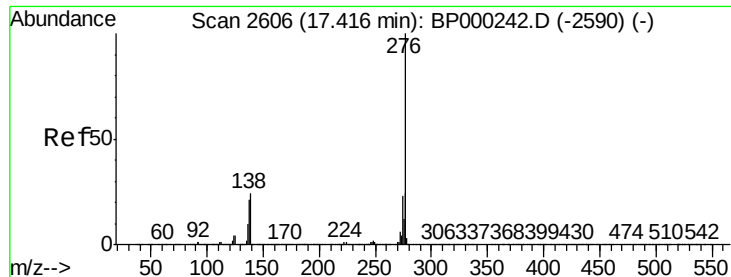
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	13.0	9.6	14.4



#90
Benzo(a)pyrene
Concen: 6.011 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	12.1	10.0	15.0





#92

Benzo(a,h,i)perylene

Concen: 4.619 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.02 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampleId :

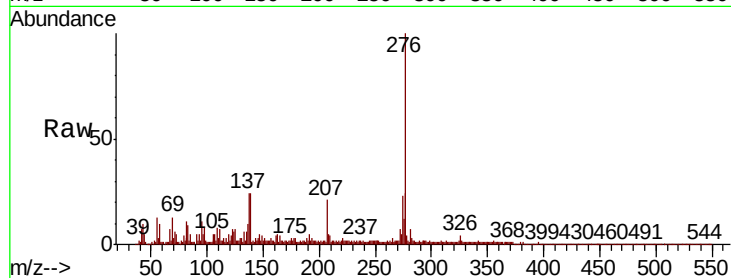
Tot Ion: 276 Resp: 194655

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 23.9 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

