

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
 Data File : BP000427.D
 Acq On : 26 Sep 2019 17:10
 Operator : JU
 Sample : K5019-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 27 00:12:29 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	229128	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	810892	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	445343	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	943523	20.00	ng	0.00
76) Chrysene-d12	14.00	240	796691	20.00	ng	0.00
87) Perylene-d12	15.49	264	615364	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	833332	62.79	ng	0.02
7) Phenol-d6	6.43	99	772550	47.49	ng	0.00
23) Nitrobenzene-d5	7.35	82	588232	46.80	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	309100	69.98	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1332682	53.86	ng	0.00
79) Terphenyl-d14	12.94	244	1269621	33.43	ng	0.00

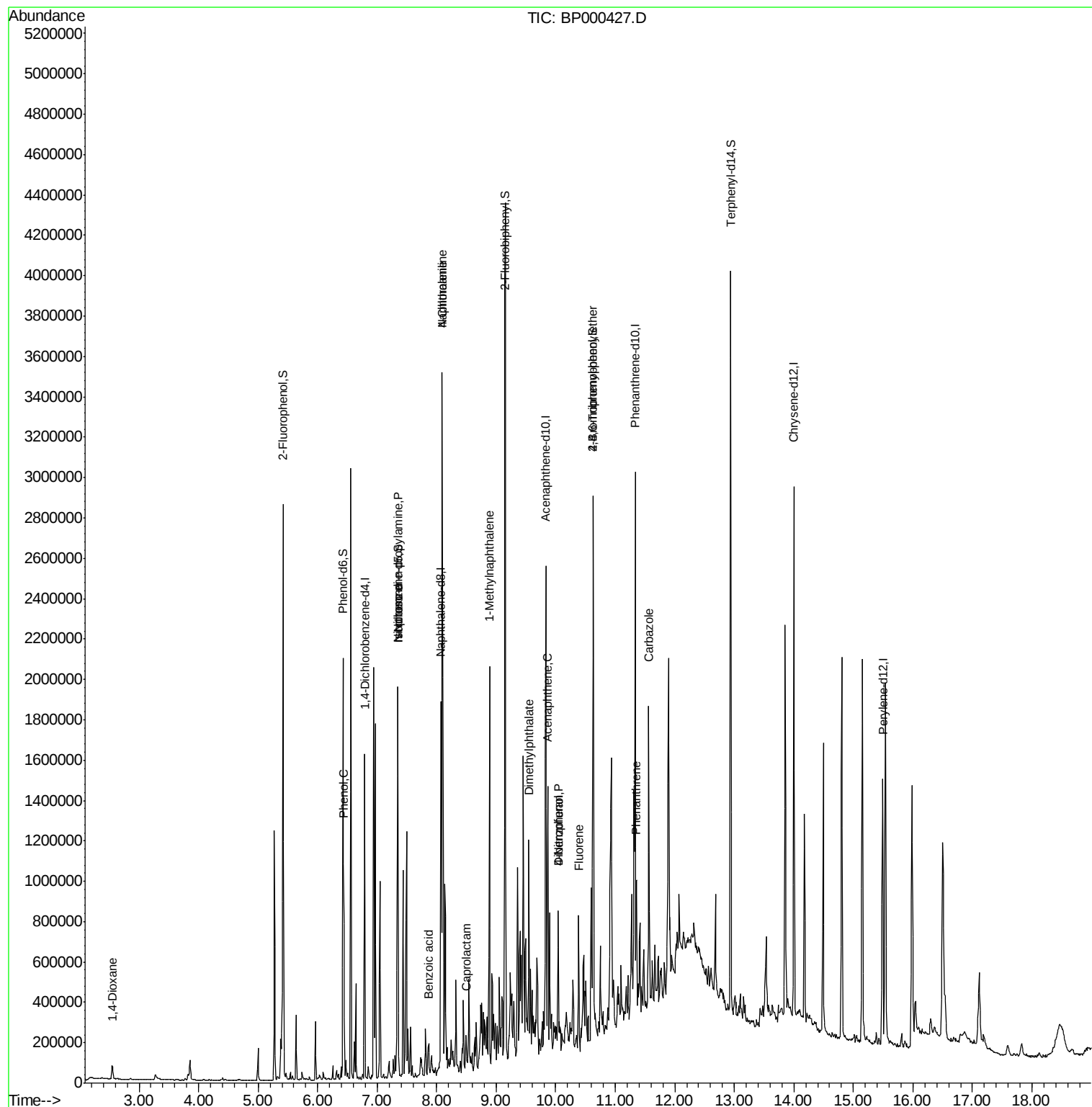
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.55	88	40918	6.832	ng	98
9) Benzaldehyde	6.35	77	1889	Below Cal	#	1
10) Phenol	6.44	94	223143	12.072	ng	98
19) n-Nitroso-di-n-propylamine	7.35	70	72771	8.460	ng	# 76
25) Isophorone	7.35	82	588049	23.629	ng	# 63
31) Naphthalene	8.09	128	1422458	37.876	ng	100
32) Benzoic acid	7.86	122	21403	2.876	ng	# 16
33) 4-Chloroaniline	8.09	127	191683	11.278	ng	# 34
35) Caprolactam	8.49	113	10386	2.584	ng	99
38) 1-Methylnaphthalene	8.89	142	501443	20.851	ng	99
50) Dimethylphthalate	9.55	163	438892	14.465	ng	100
52) Acenaphthene	9.86	154	264458	10.788	ng	99
55) Dibenzofuran	10.04	168	235088	6.784	ng	99
56) 4-Nitrophenol	10.04	139	89480	15.536	ng	# 17
58) Fluorene	10.38	166	150203	5.611	ng	# 98
67) 4-Bromophenyl-phenylether	10.63	248	22012	2.063	ng	# 1
71) Phenanthrene	11.36	178	277851	5.876	ng	98
73) Carbazole	11.56	167	449765	10.262	ng	99

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

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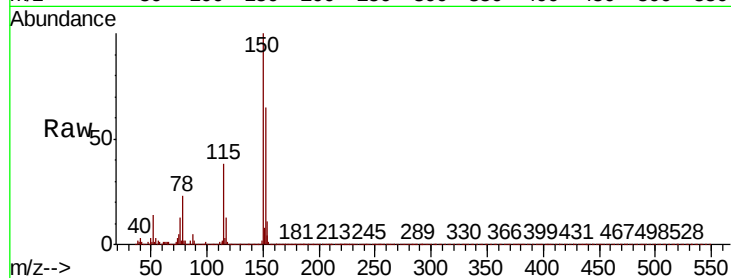


#1

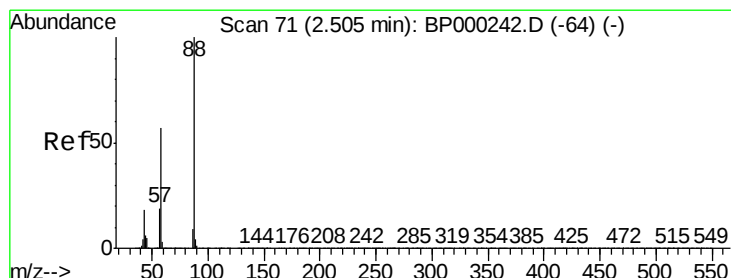
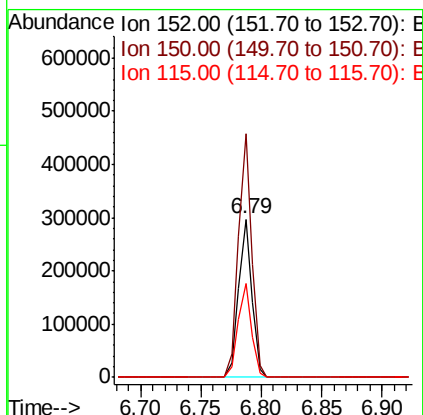
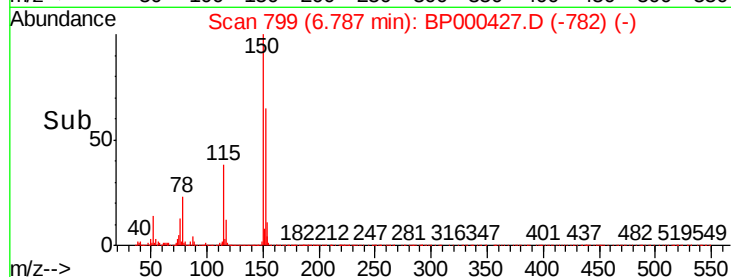
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 229128
Ion Ratio Lower Upper
152 100
150 153.9 125.2 187.8
115 59.1 49.7 74.5



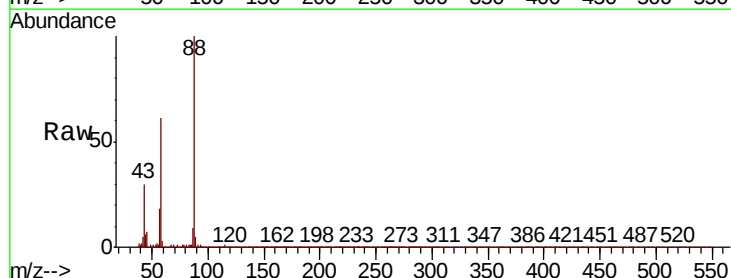
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



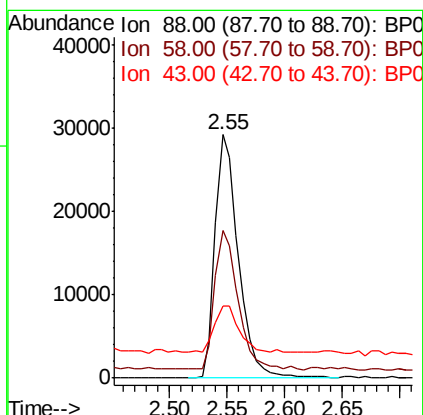
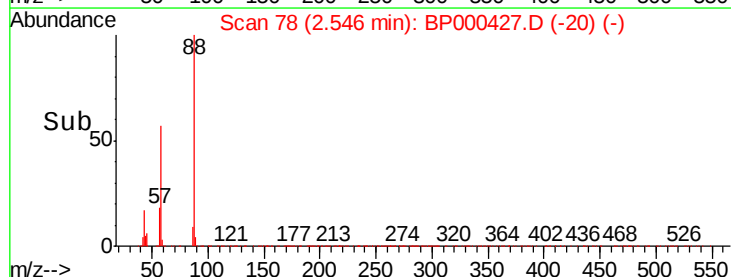
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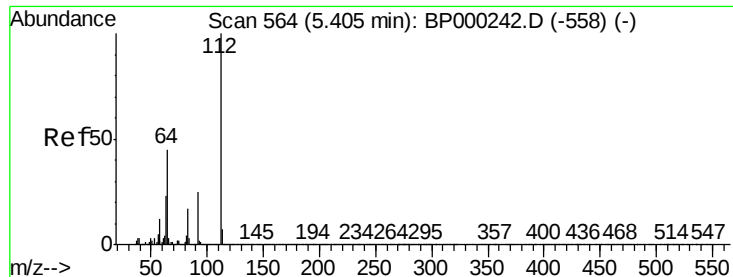
1,4-Dioxane
Concen: 6.832 ng
RT: 2.55 min Scan# 78
Delta R.T. 0.04 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion: 88 Resp: 40918
Ion Ratio Lower Upper
88 100
58 58.0 45.4 68.2
43 20.7 15.0 22.6



Abundance Ion 88.00 (87.70 to 88.70): BP0
Ion 58.00 (57.70 to 58.70): BP0
Ion 43.00 (42.70 to 43.70): BP0





#5

2-Fluorophenol

Concen: 62.787 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.02 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

Instrument :

BNA_P

ClientSampleId :

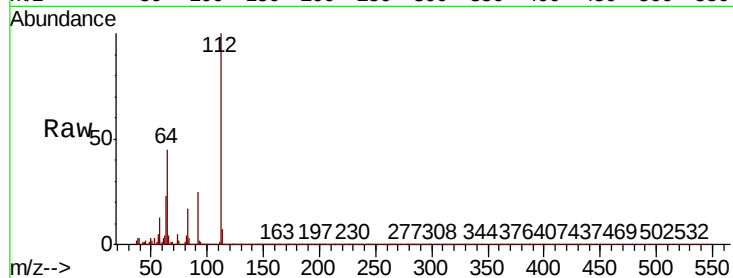
Tot Ion: 112 Resp: 833332

Ion Ratio Lower Upper

112 100

64 44.7 36.2 54.4

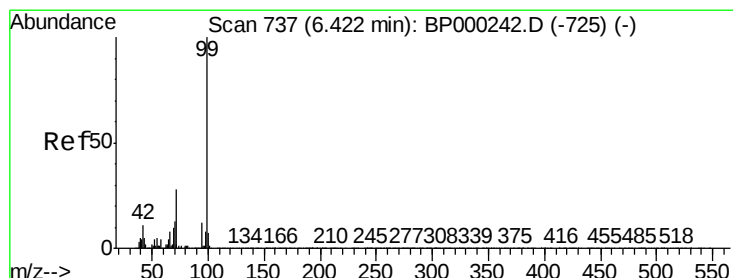
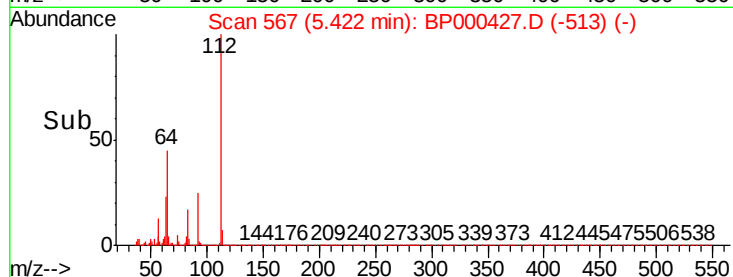
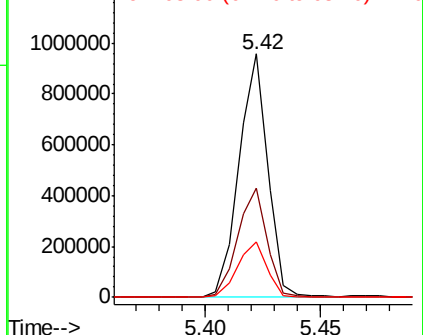
63 22.8 18.3 27.5



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: 47.486 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

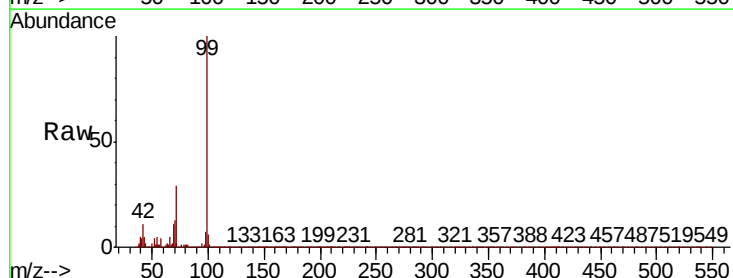
Tgt Ion: 99 Resp: 772550

Ion Ratio Lower Upper

99 100

42 10.6 8.5 12.7

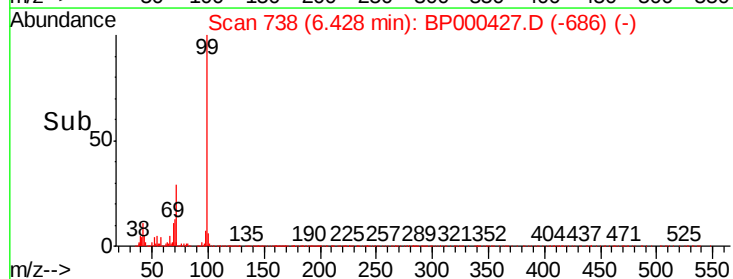
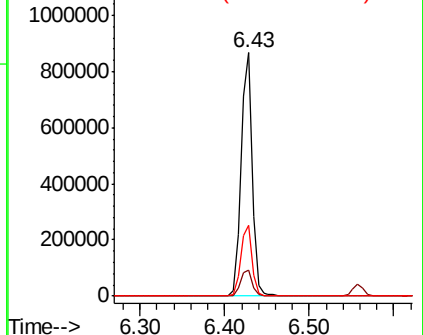
71 29.0 22.6 34.0

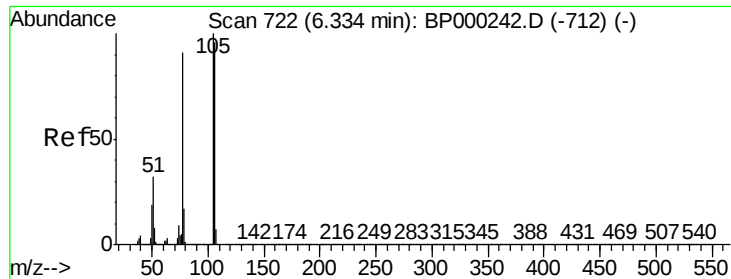


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0





#9

Benzaldehyde

Concen: Below Cal

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

Instrument :

BNA_P

ClientSampled :

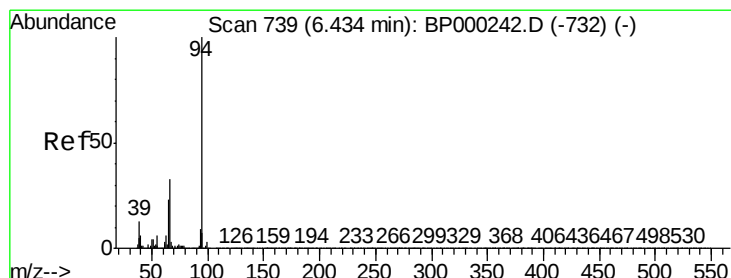
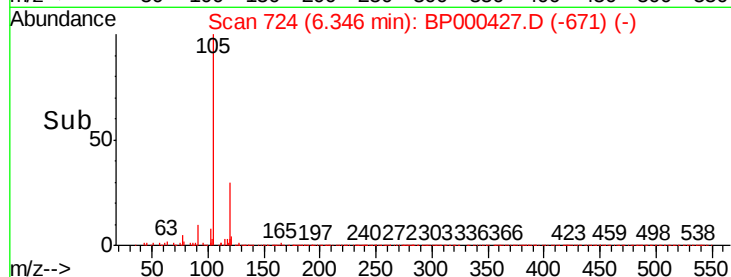
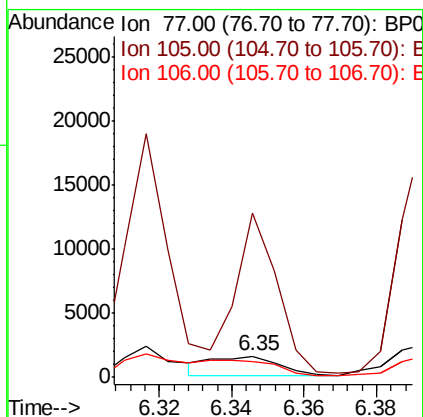
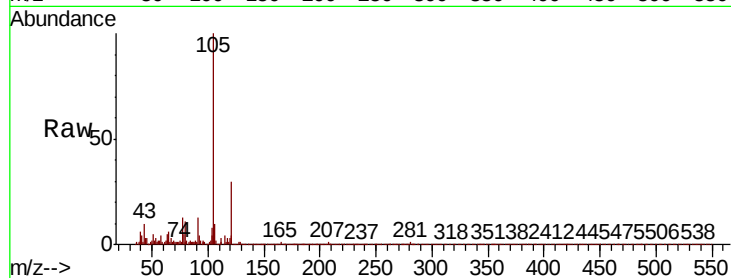
Tot Ion: 77 Resp: 1889

Ion Ratio Lower Upper

77 100

105 780.3 89.6 129.6#

106 75.9 84.6 124.6#



#10

Phenol

Concen: 12.072 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

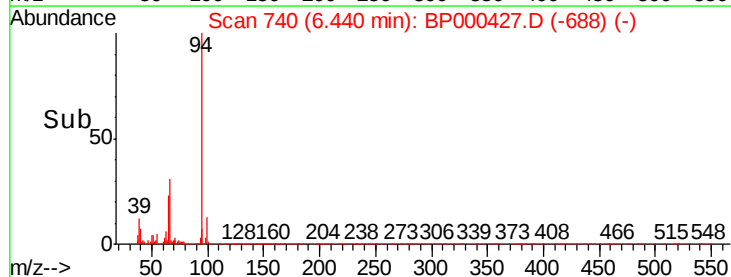
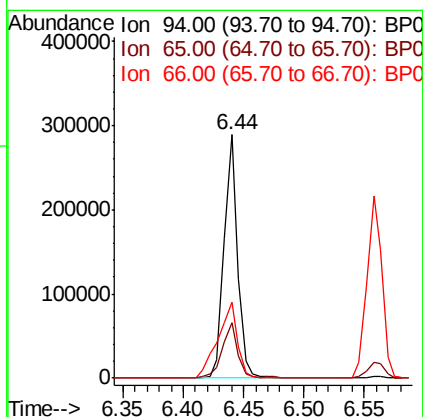
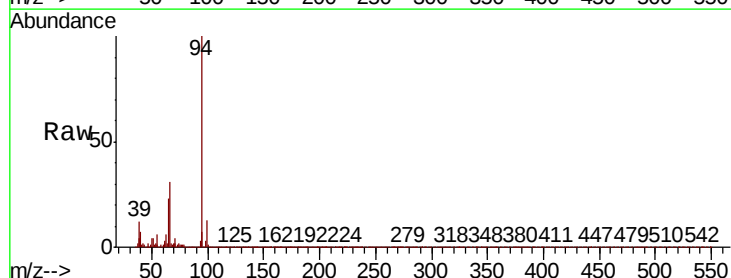
Tgt Ion: 94 Resp: 223143

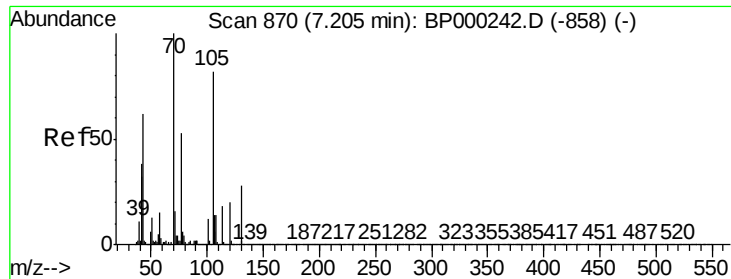
Ion Ratio Lower Upper

94 100

65 22.8 3.3 43.3

66 31.1 12.7 52.7

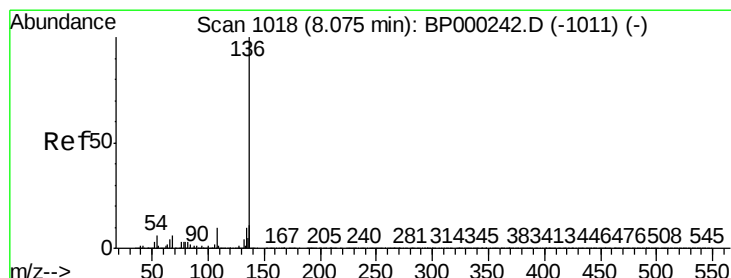
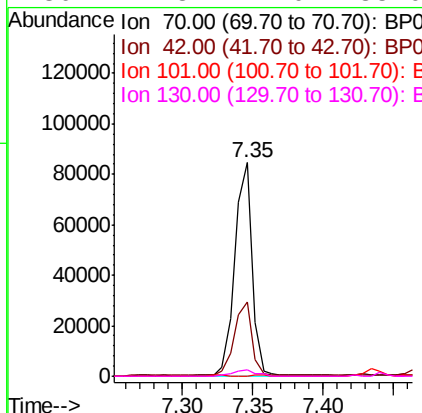
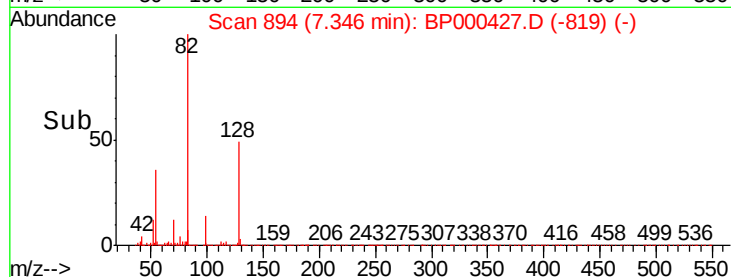
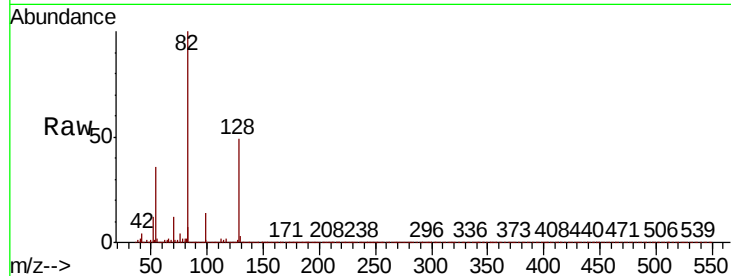




#19
n-Nitroso-di-n-propylamine
Concen: 8.460 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

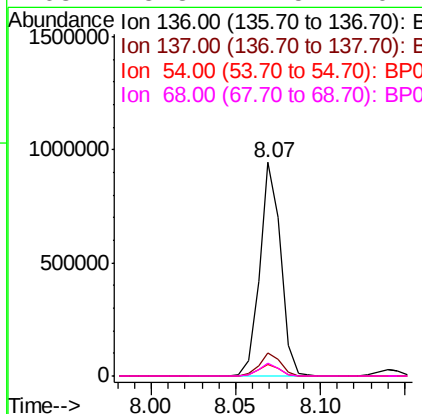
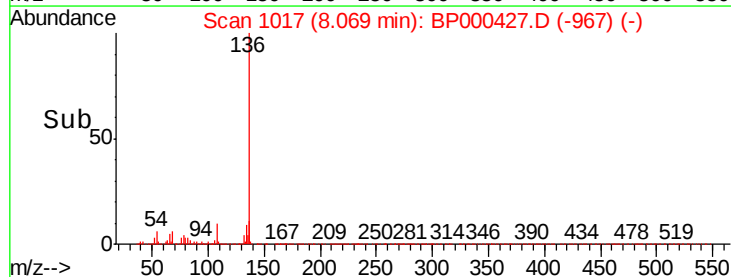
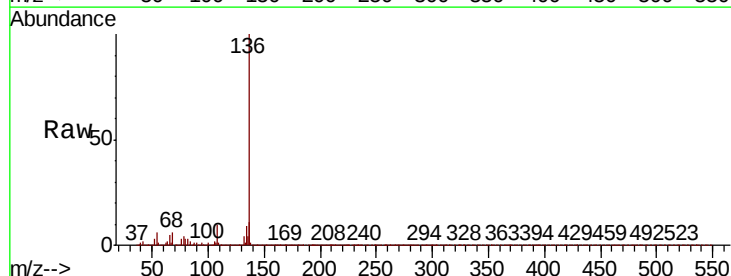
Instrument :
BNA_P
ClientSampleId :

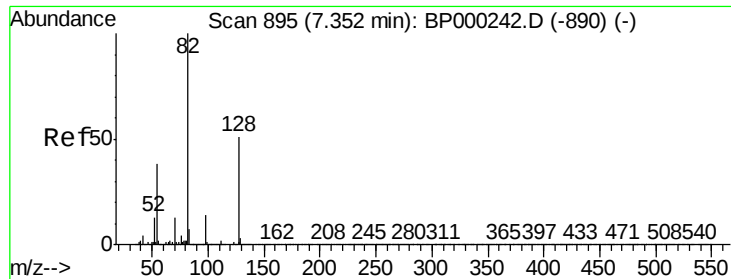
Tot Ion:	70	Resp:	72771
Ion	Ratio	Lower	Upper
70	100		
42	35.0	30.7	46.1
101	0.2	9.6	14.4#
130	2.8	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion:	136	Resp:	810892
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.7	4.5	6.7
68	5.8	4.5	6.7

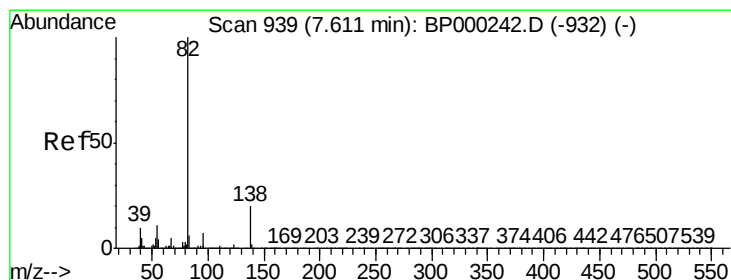
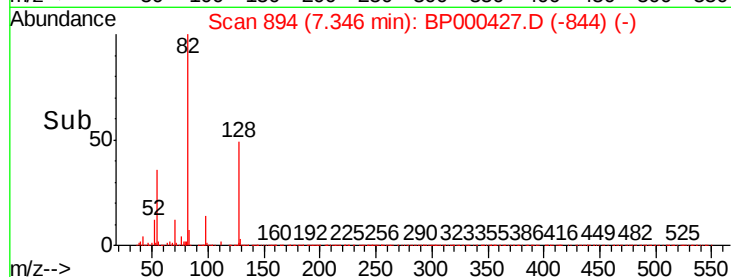
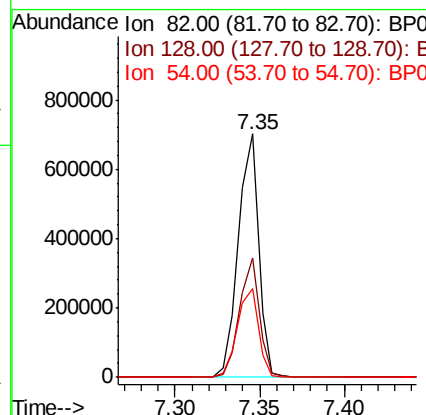
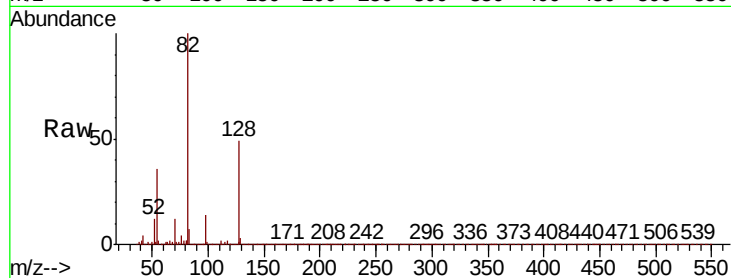




#23
Nitrobenzene-d5
Concen: 46.803 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

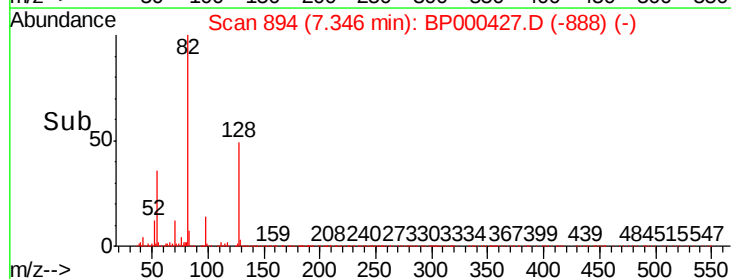
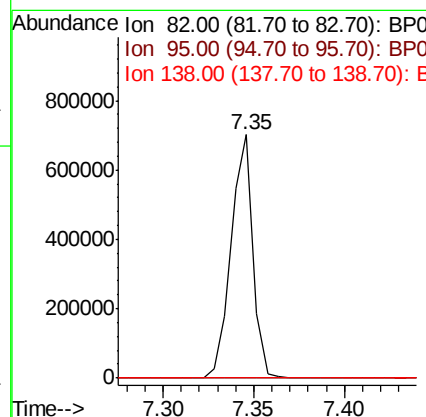
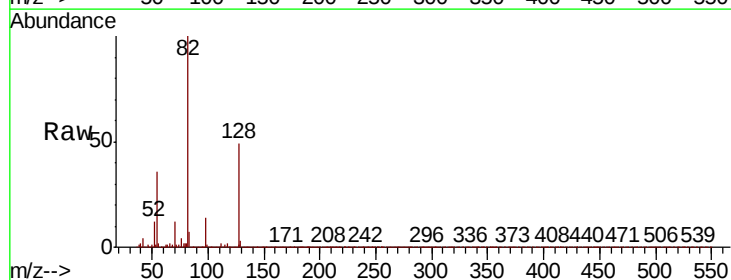
Instrument :
BNA_P
ClientSampled :

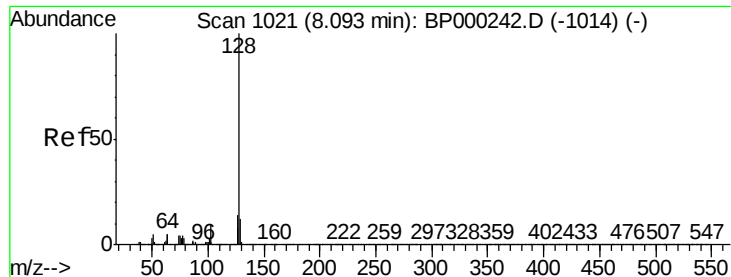
Tot Ion	82	Resp	588232
Ion Ratio	Lower	Upper	
82	100		
128	49.3	40.7	61.1
54	36.2	30.1	45.1



#25
Isophorone
Concen: 23.629 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion	82	Resp	588049
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.9	8.9#
138	0.0	15.9	23.9#

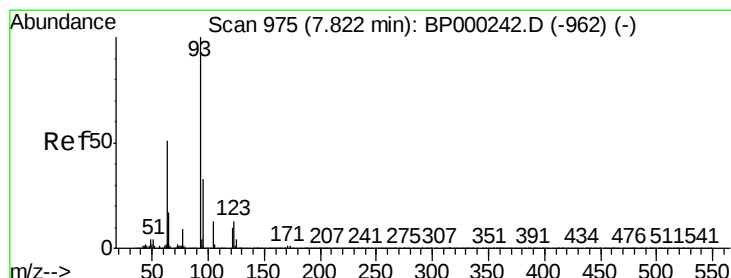
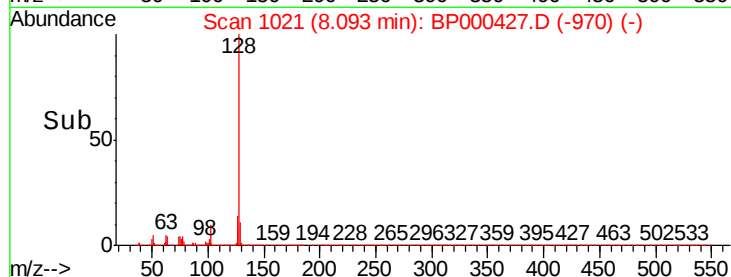
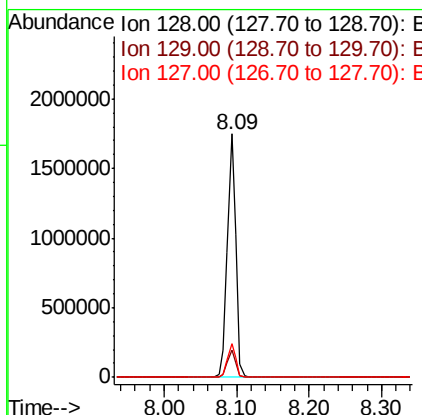
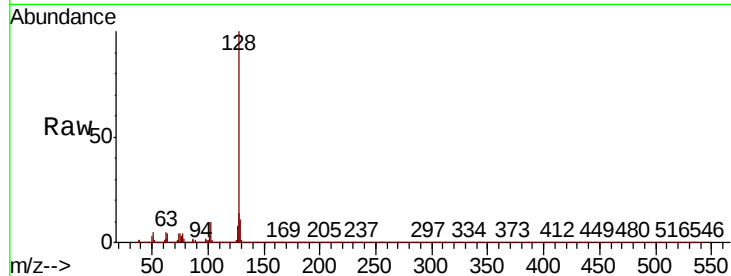




#31
Naphthalene
Concen: 37.876 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

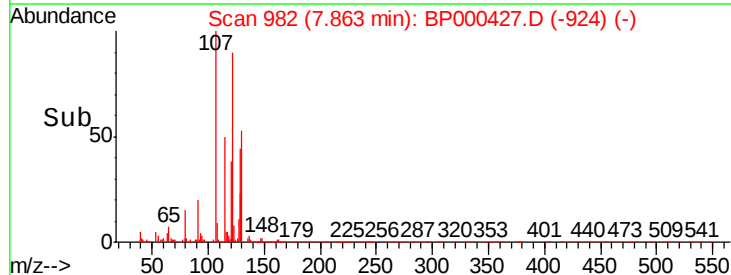
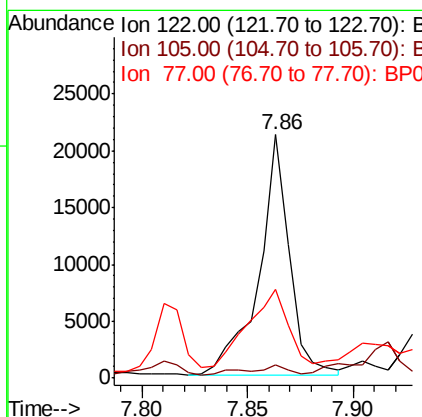
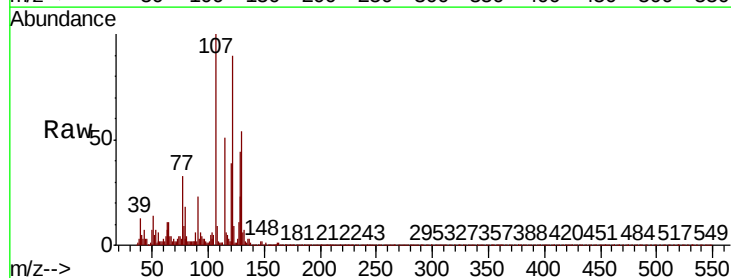
Instrument :
BNA_P
ClientSampleId :

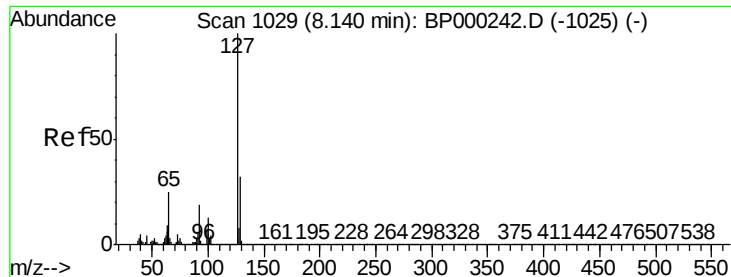
Tot Ion:128 Resp: 1422458
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.6 11.0 16.6



#32
Benzoic acid
Concen: 2.876 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.04 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion:122 Resp: 21403
Ion Ratio Lower Upper
122 100
105 5.4 105.4 145.4#
77 36.2 65.3 105.3#

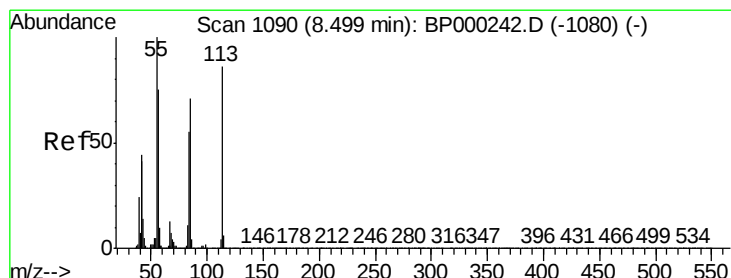
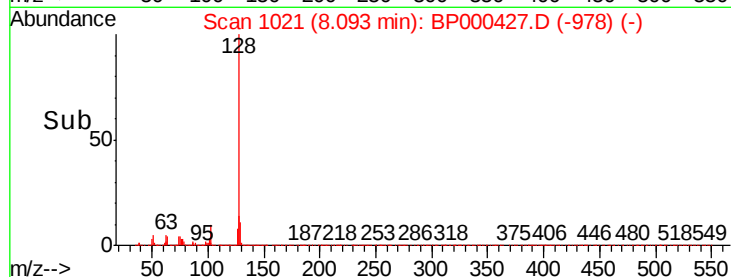
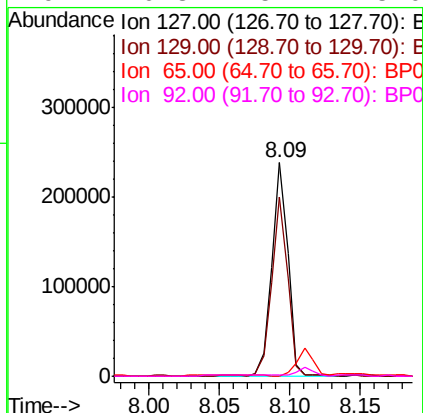
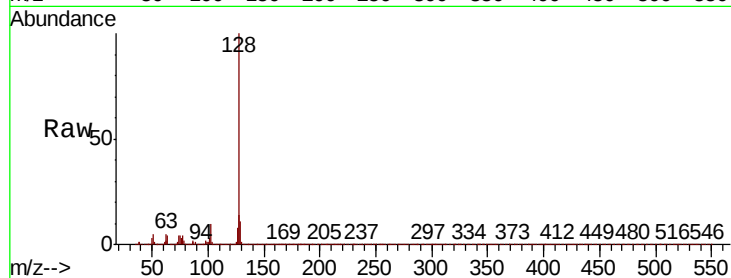




#33
4-Chloroaniline
Concen: 11.278 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

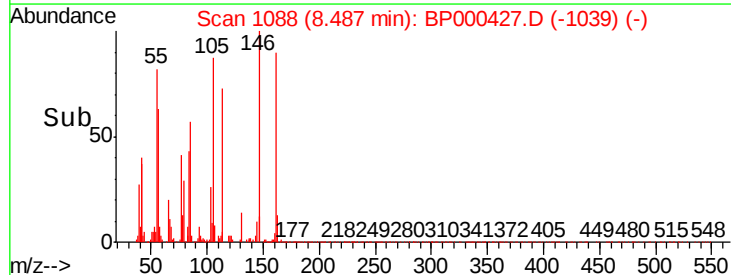
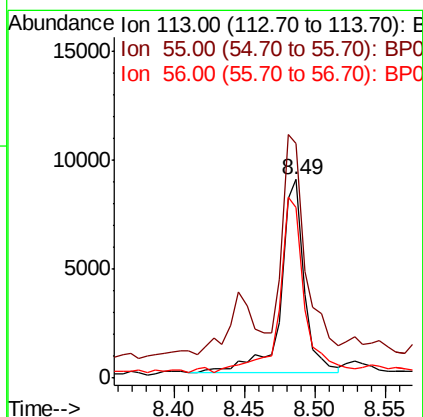
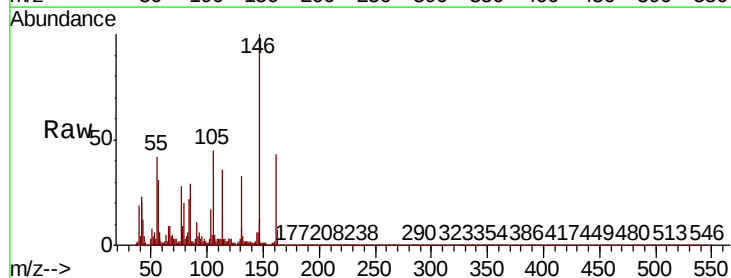
Instrument :
BNA_P
ClientSampleId :

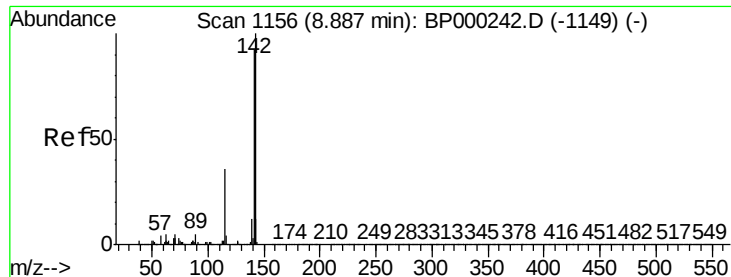
Tot Ion	Ratio	Lower	Upper
127	100		
129	83.6	25.7	38.5#
65	0.0	19.9	29.9#
92	0.3	15.4	23.0#



#35
Caprolactam
Concen: 2.584 ng
RT: 8.49 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion	Ratio	Lower	Upper
113	100		
55	118.3	96.8	136.8
56	86.0	67.5	107.5

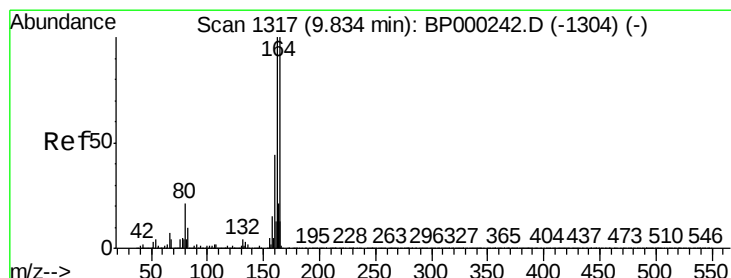
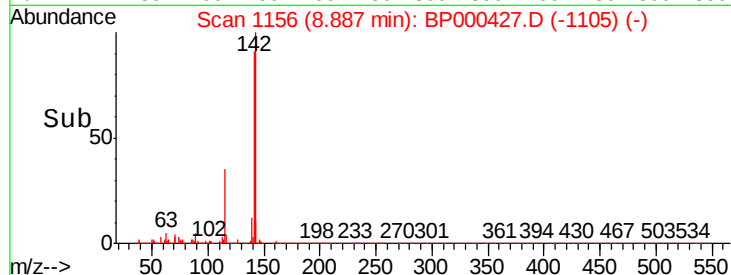
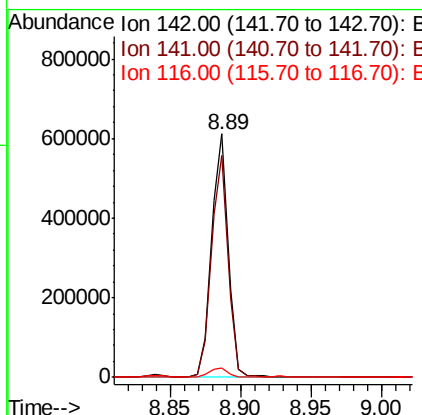
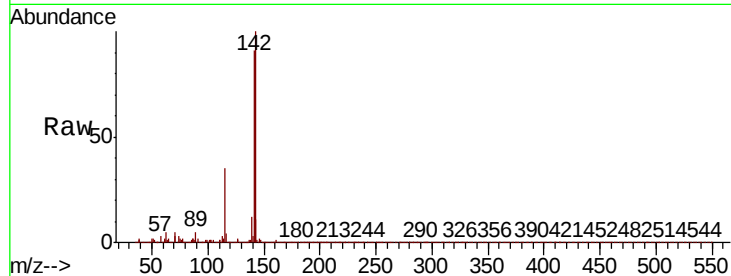




#38
1-Methylnaphthalene
Concen: 20.851 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

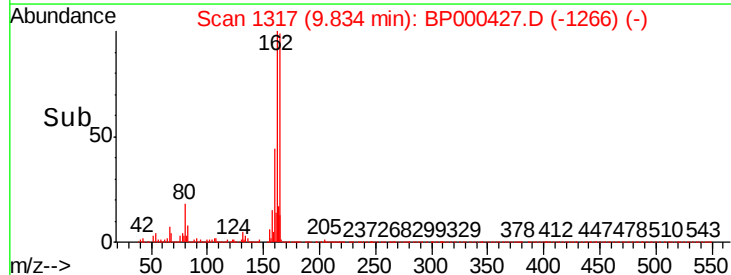
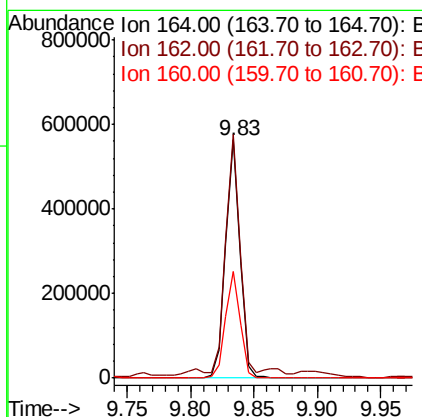
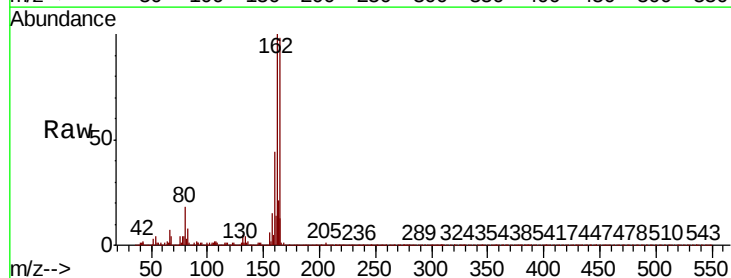
Instrument :
BNA_P
ClientSampleId :

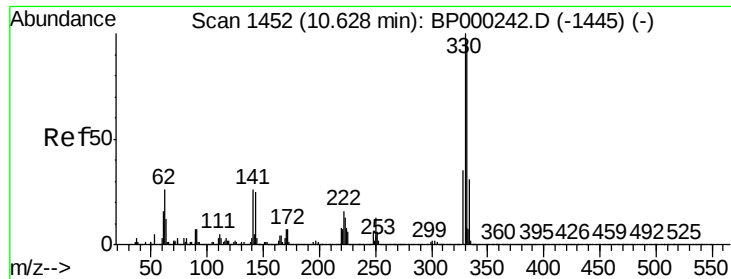
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.9	110.9
116	3.9	3.0	4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.9	119.9
160	44.8	35.6	53.4

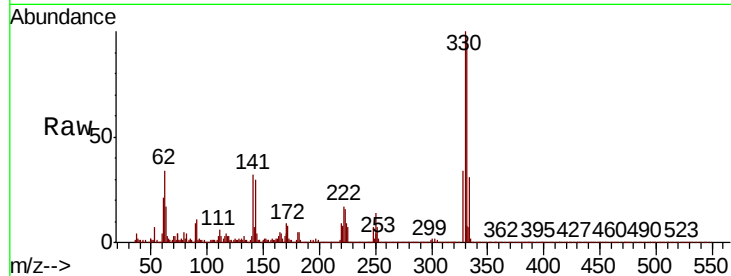




#42
 2,4,6-Tribromophenol
 Concen: 69.976 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BP000427.D
 Acq: 26 Sep 2019 17:10

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	34.7	26.5	39.7

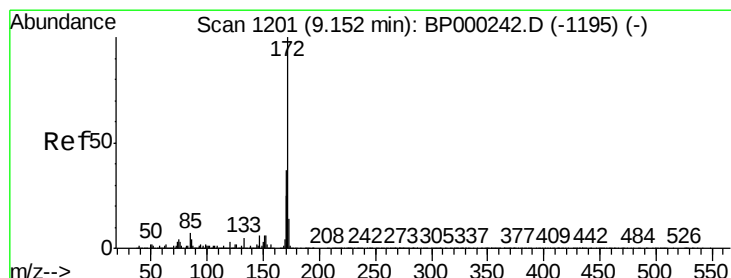
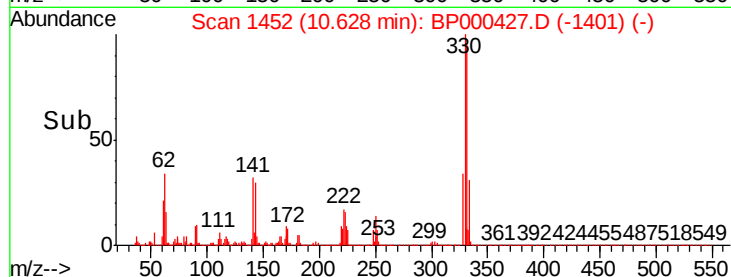
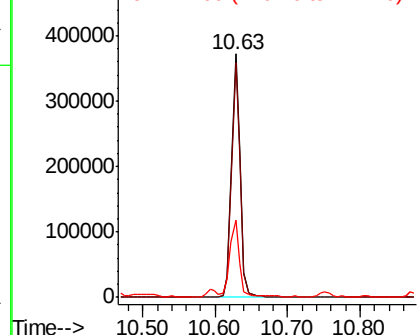


Abundance

Ion 329.80 (329.50 to 330.50): E

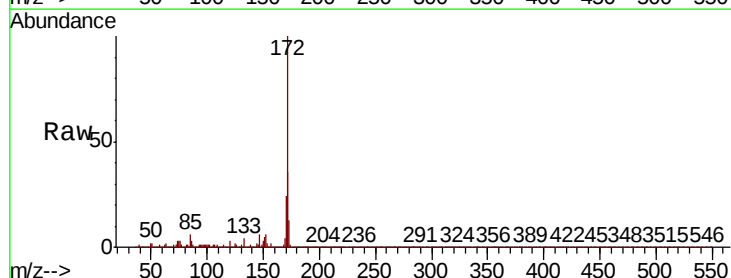
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 53.859 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BP000427.D
 Acq: 26 Sep 2019 17:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.8	44.6
170	23.6	19.8	29.6

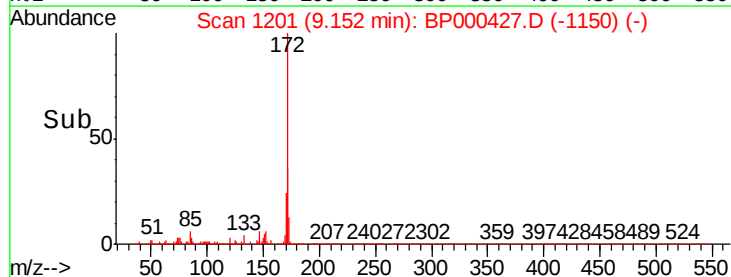
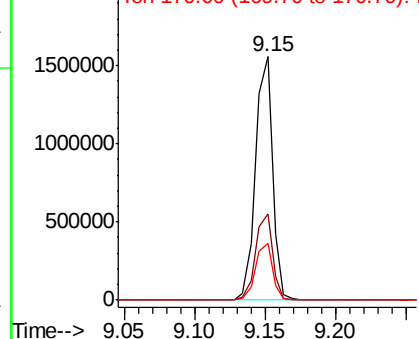


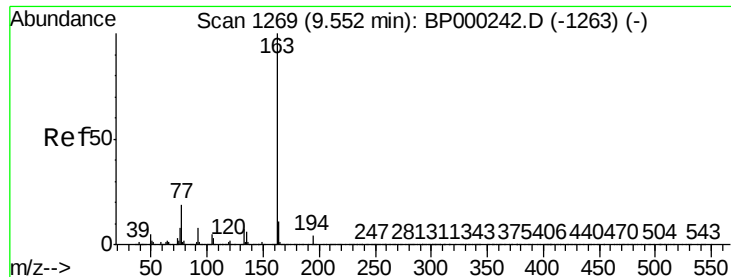
Abundance

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: 14.465 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

Instrument :

BNA_P

ClientSampleId :

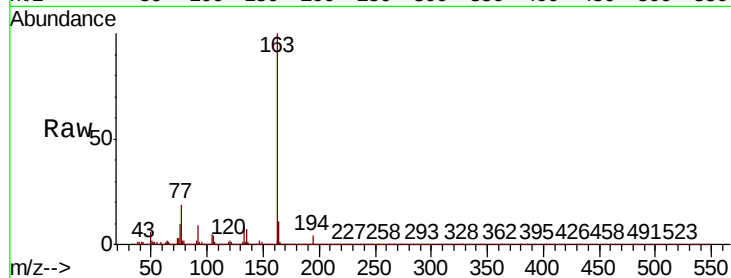
Tot Ion:163 Resp: 438892

Ion Ratio Lower Upper

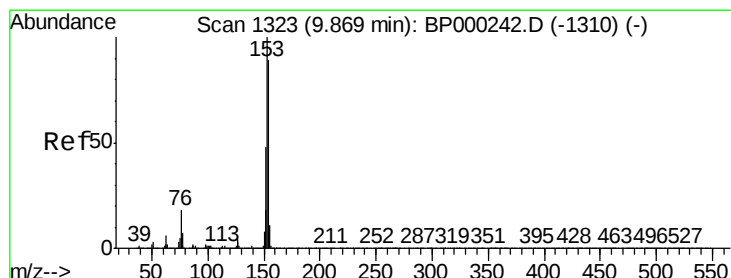
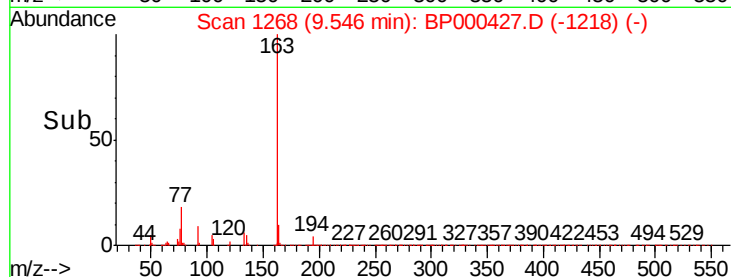
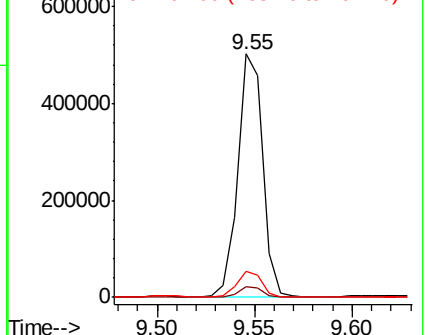
163 100

194 4.2 3.4 5.0

164 10.7 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



#52

Acenaphthene

Concen: 10.788 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

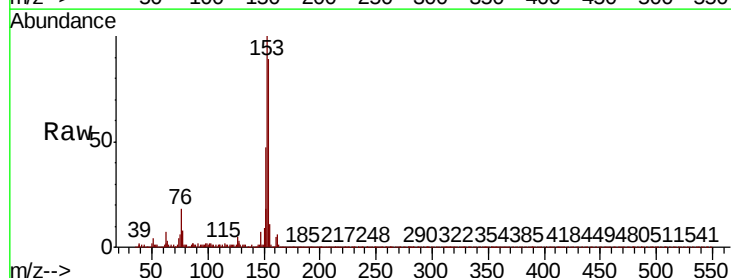
Tgt Ion:154 Resp: 264458

Ion Ratio Lower Upper

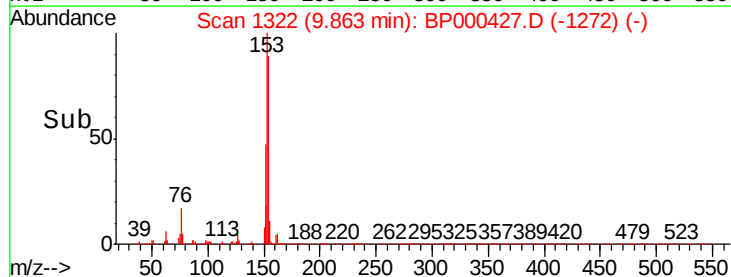
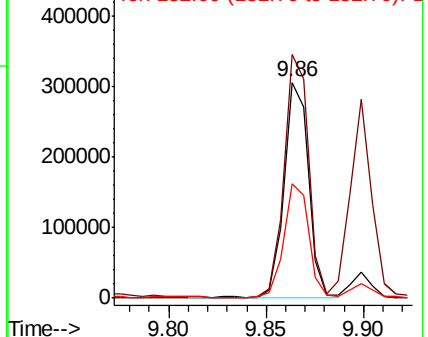
154 100

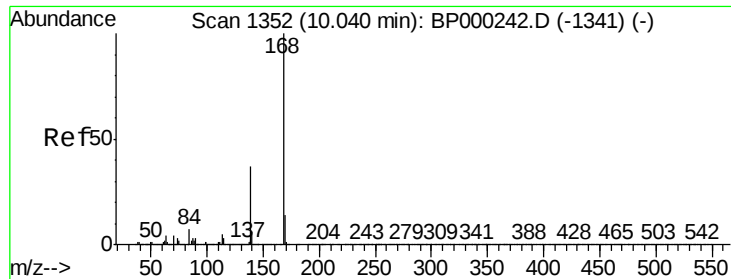
153 112.7 89.8 134.6

152 53.2 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

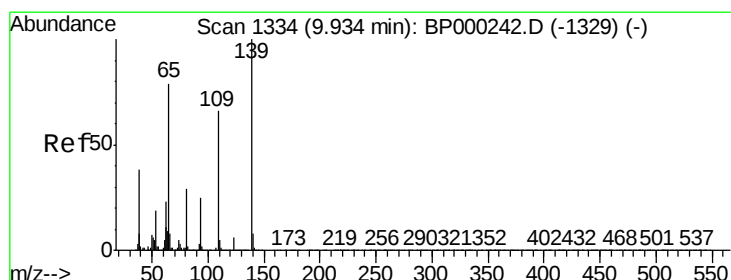
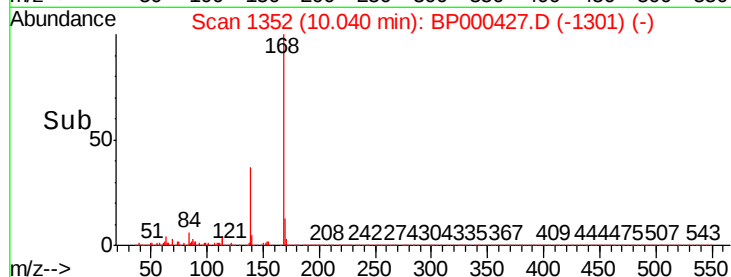
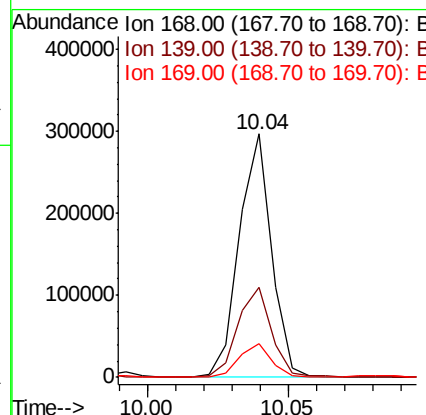
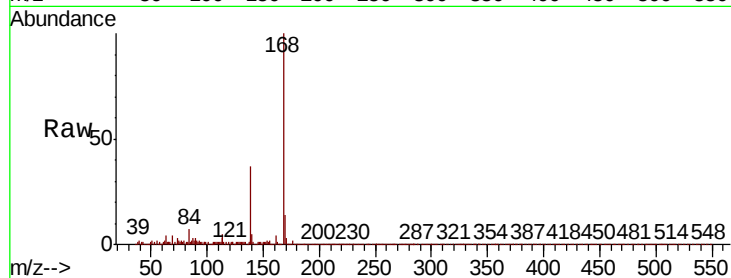




#55
Dibenzofuran
Concen: 6.784 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

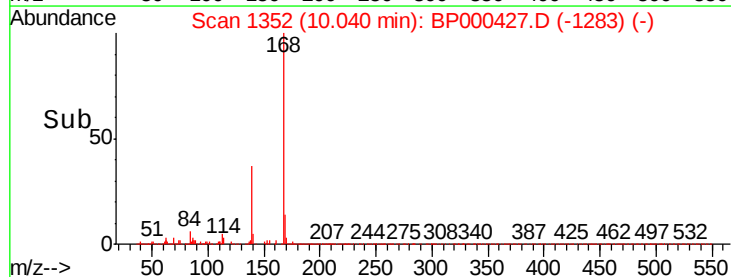
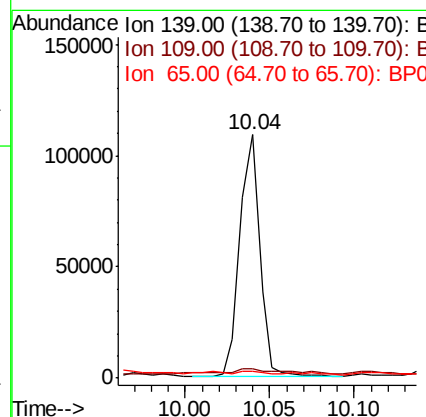
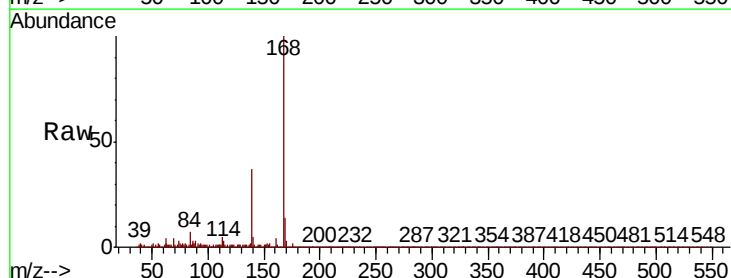
Instrument :
BNA_P
ClientSampleId :

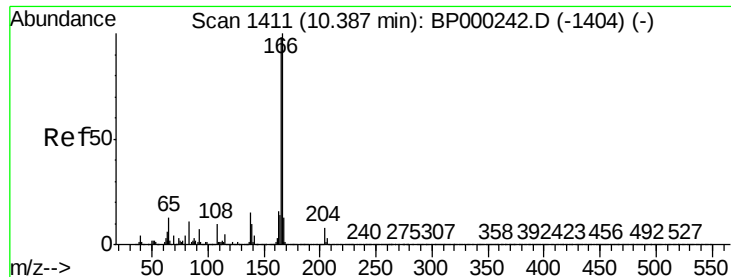
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.0	45.0
169	13.6	11.0	16.6



#56
4-Nitrophenol
Concen: 15.536 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.11 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion	Ratio	Lower	Upper
139	100		
109	3.8	46.2	86.2#
65	2.8	59.4	99.4#

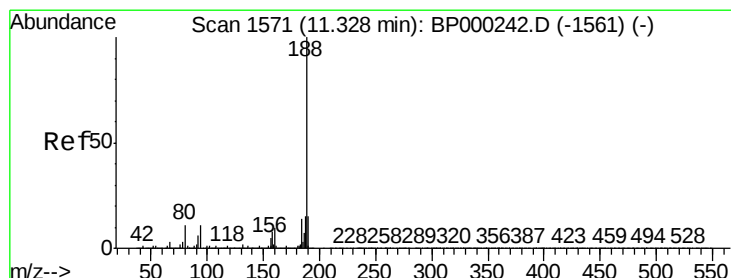
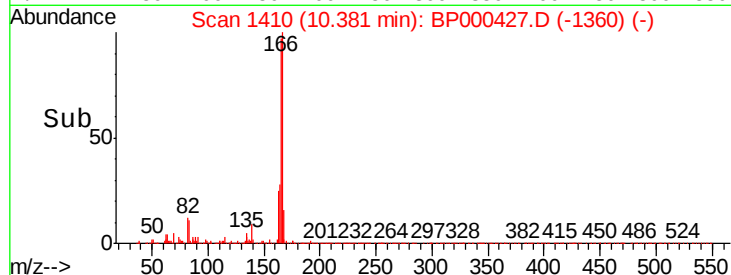
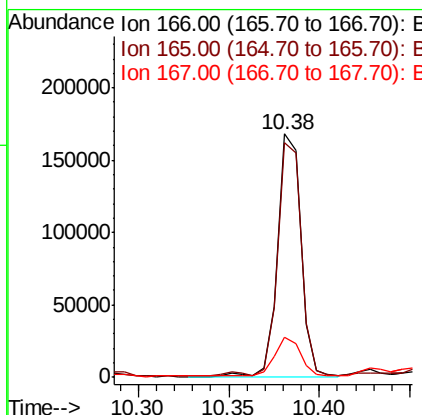
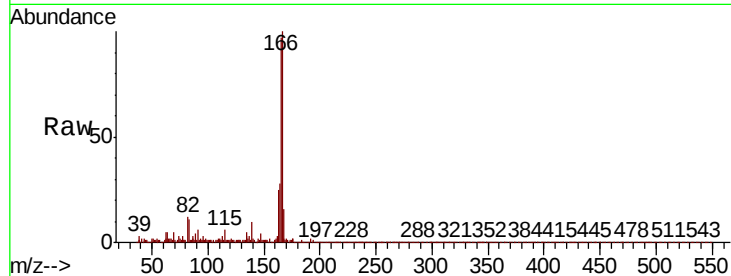




#58
 Fluorene
 Concen: 5.611 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BP000427.D
 Acq: 26 Sep 2019 17:10

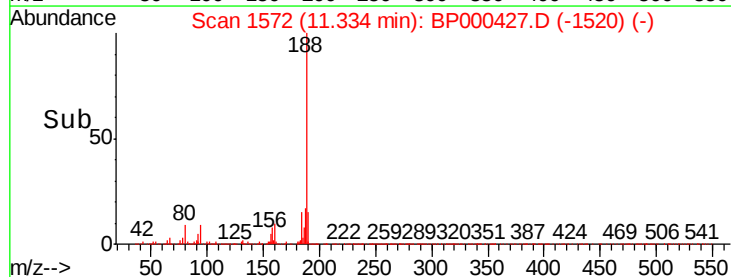
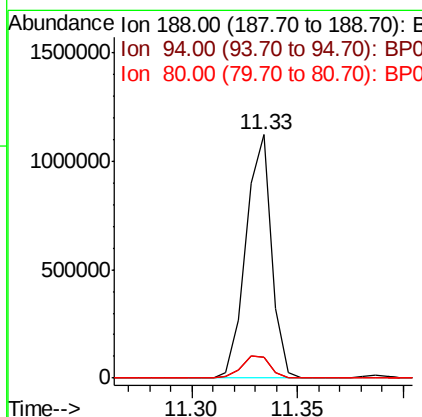
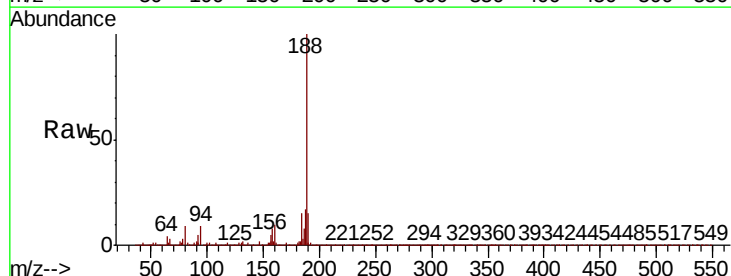
Instrument :
 BNA_P
 ClientSampleId :

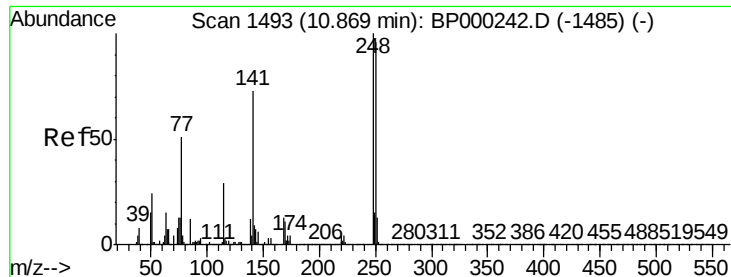
Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.2	117.2
167	16.3	10.7	16.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BP000427.D
 Acq: 26 Sep 2019 17:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	8.6	8.6	13.0

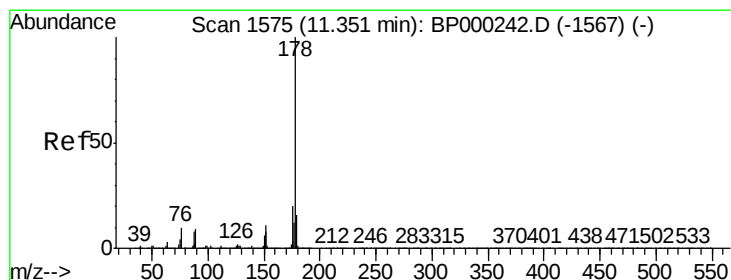
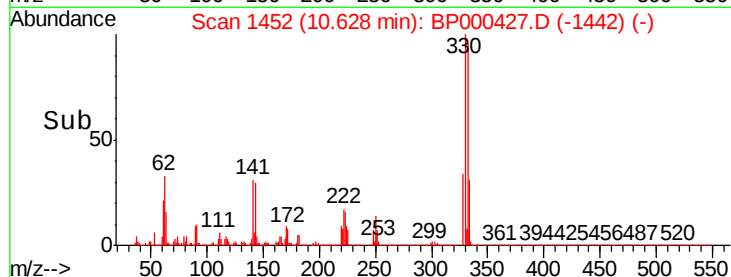
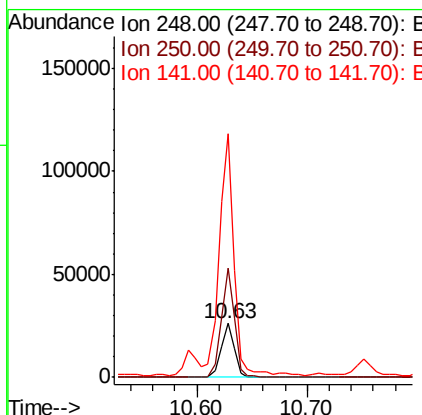
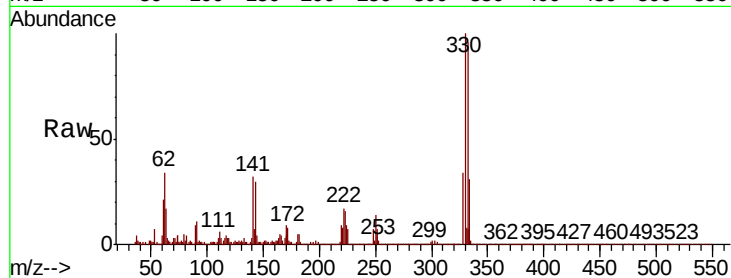




#67
4-Bromophenyl-phenylether
Concen: 2.063 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

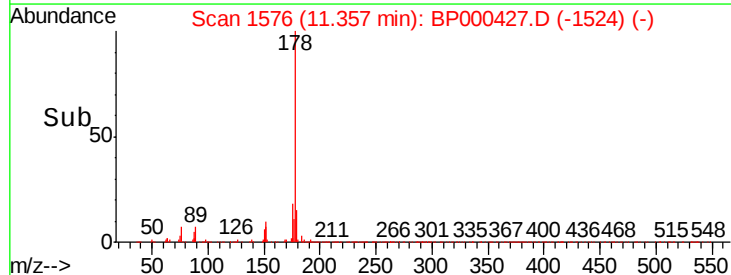
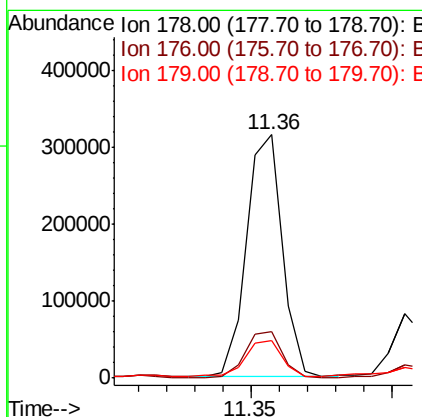
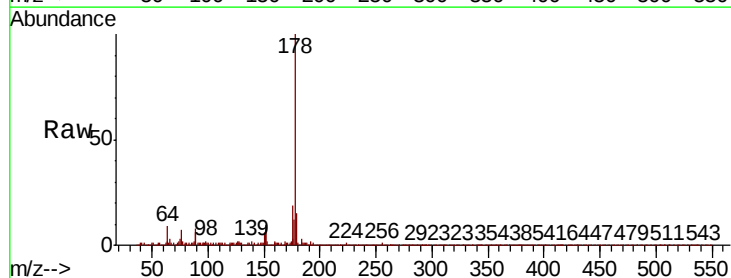
Instrument :
BNA_P
ClientSampleId :

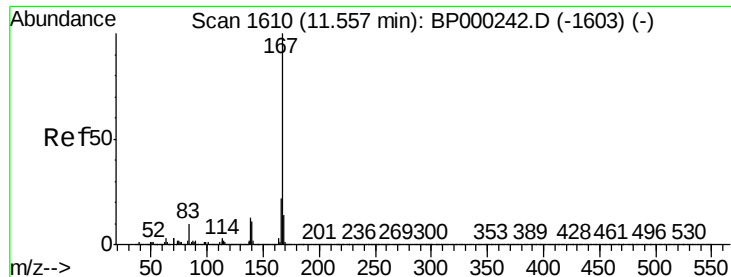
Tot Ion:248 Resp: 22012
Ion Ratio Lower Upper
248 100
250 203.3 77.0 115.4#
141 453.6 58.5 87.7#



#71
Phenanthrene
Concen: 5.876 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Tgt Ion:178 Resp: 277851
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.2 12.7 19.1





#73

Carbazole

Concen: 10.262 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

Instrument :

BNA_P

ClientSampleId :

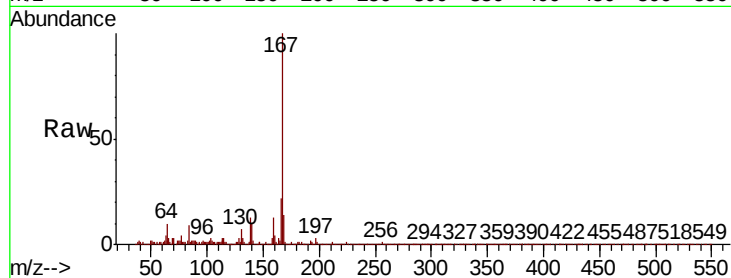
Tot Ion:167 Resp: 449765

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.8

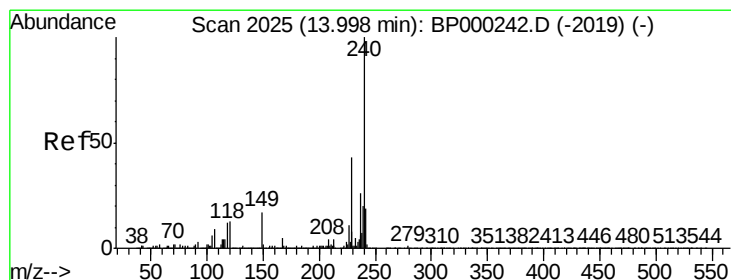
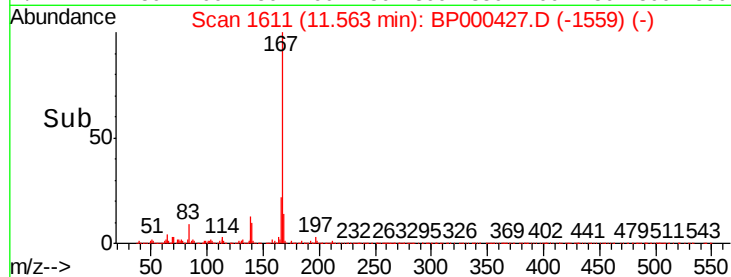
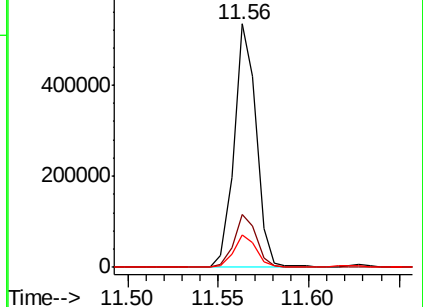
139 13.2 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

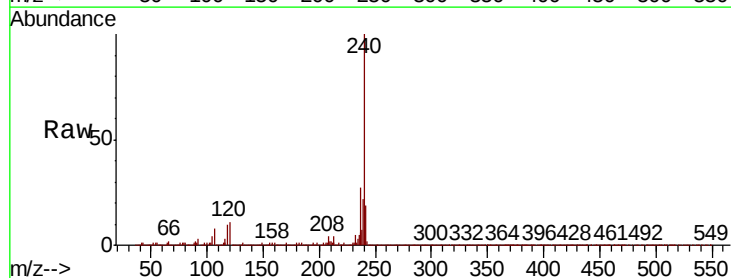
Tgt Ion:240 Resp: 796691

Ion Ratio Lower Upper

240 100

120 10.9 10.4 15.6

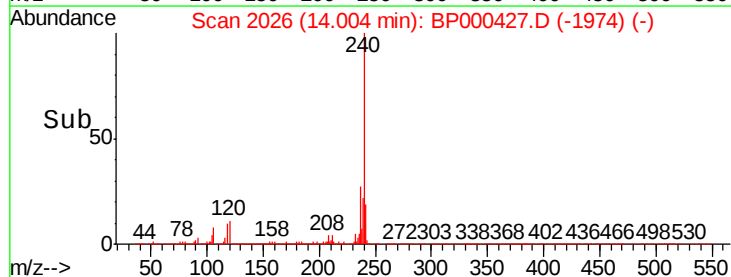
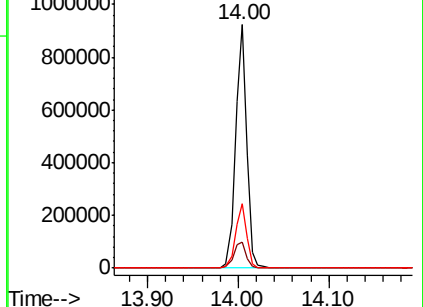
236 26.5 21.0 31.6

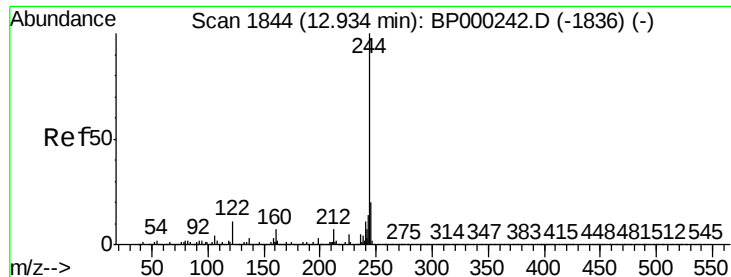


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 33.432 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

Instrument :

BNA_P

ClientSampleId :

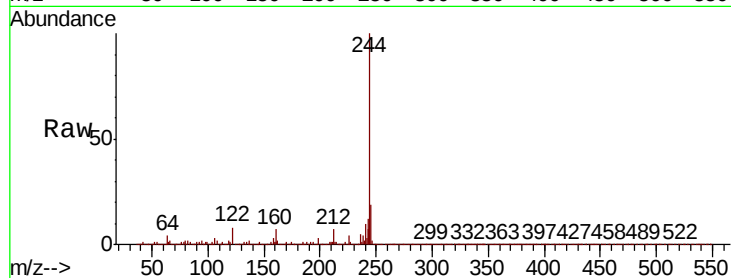
Tot Ion:244 Resp: 1269621

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.4 9.0 13.4#

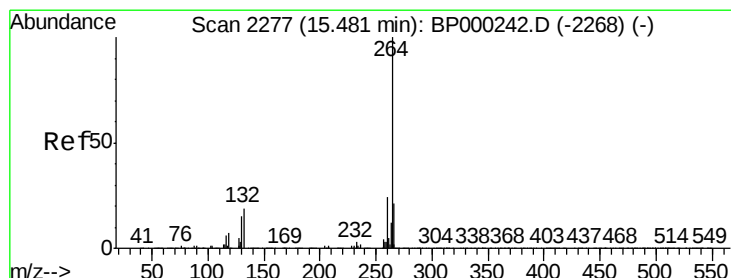
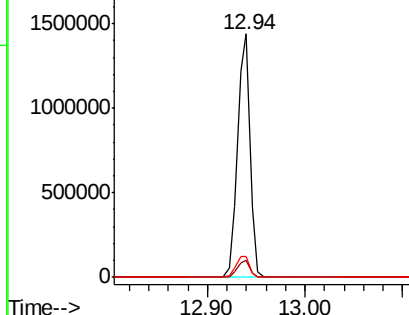
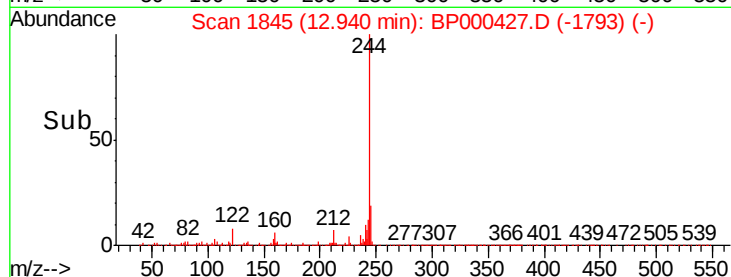


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BP000427.D

Acq: 26 Sep 2019 17:10

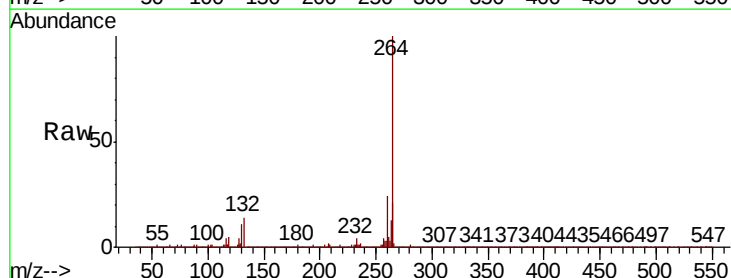
Tgt Ion:264 Resp: 615364

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.3 17.2 25.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

