

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 :
 QNWP8-MW27S-GW

Quant Time: Sep 27 02:23:38 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

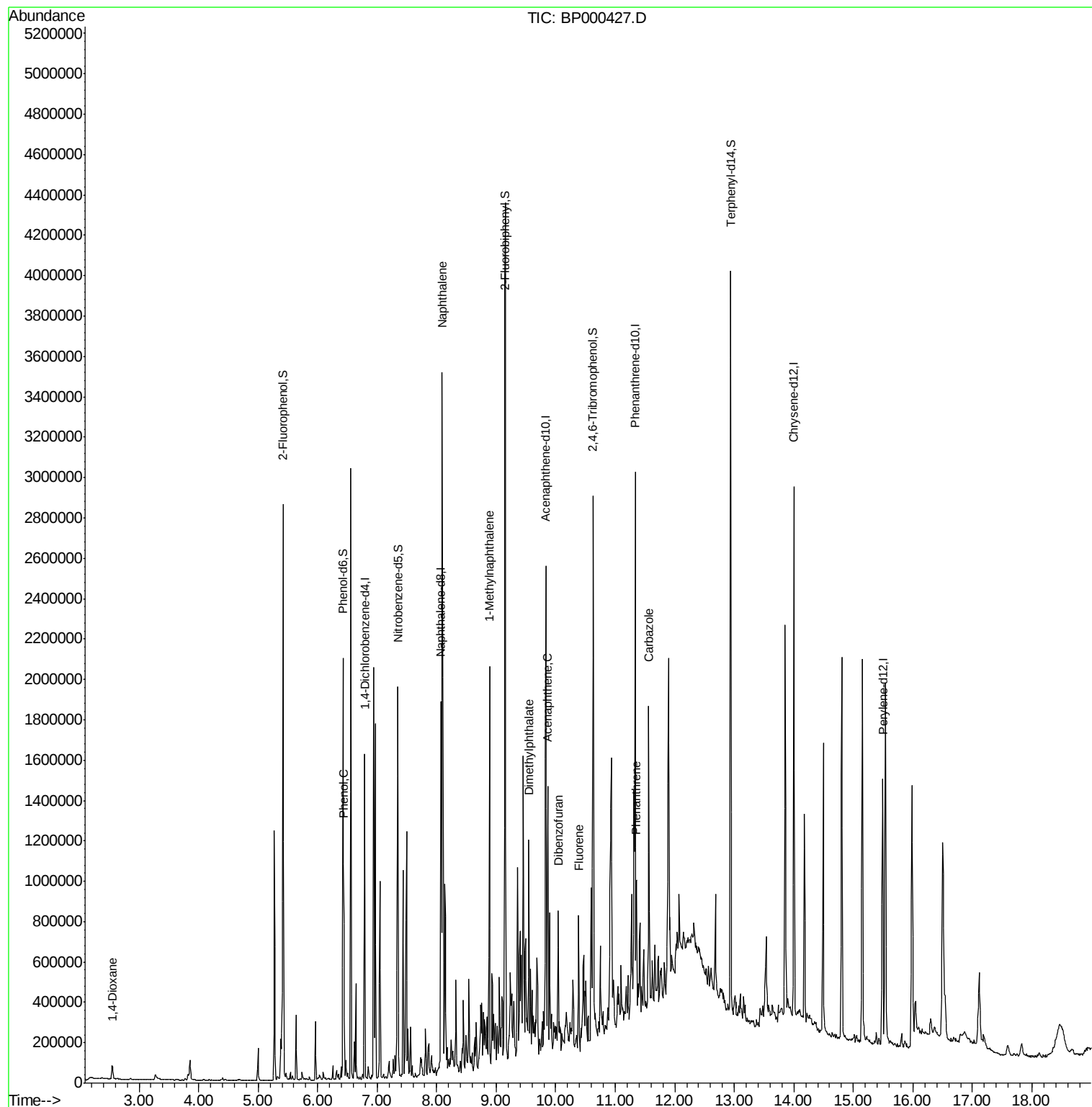
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.55	88	40918	6.832	ng	98
10) Phenol	6.44	94	223143	12.072	ng	98
31) Naphthalene	8.09	128	1422458	37.876	ng	100
38) 1-Methylnaphthalene	8.89	142	501443	20.851	ng	99
50) Dimethylphthalate	9.55	163	438892	14.465	ng	100
52) Acenaphthene	9.86	154	264458	10.788	ng	99
55) Dibenzofuran	10.04	168	235088	6.784	ng	99
58) Fluorene	10.38	166	150203	5.611	ng	# 98
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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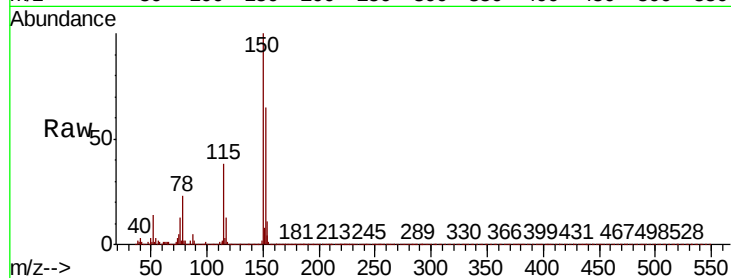


#1

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 :
QNWP8-MW27S-GW

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

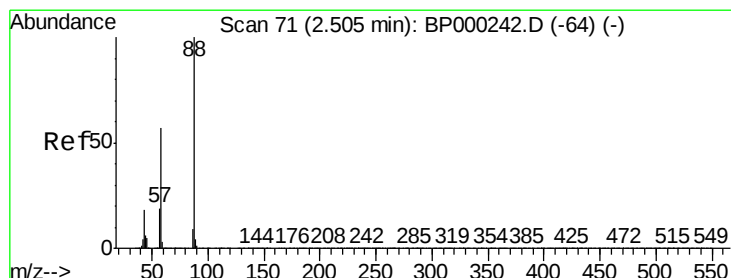
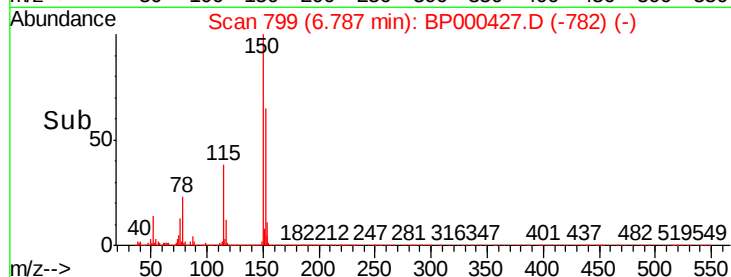
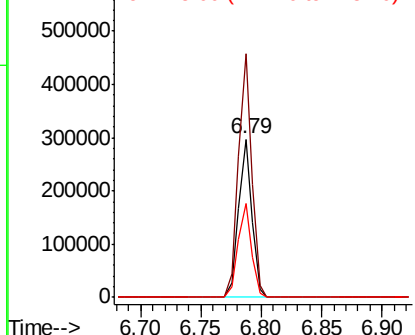


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

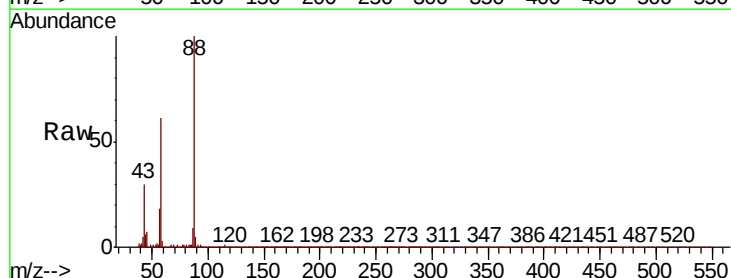
Ion 115.00 (114.70 to 115.70): E



#2

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	Ratio	Lower	Upper
88	100		
58	58.0	45.4	68.2
43	20.7	15.0	22.6

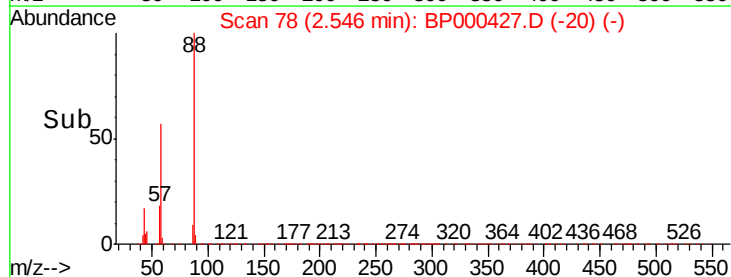
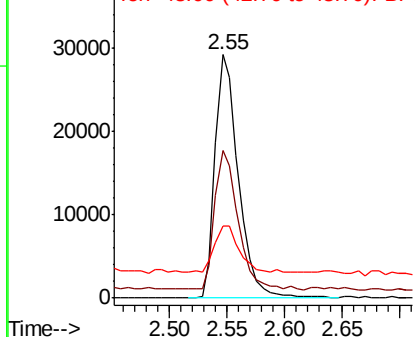


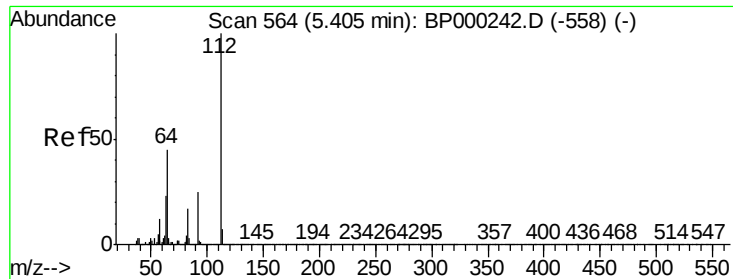
Abundance

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 :

QNWP8-MW27S-GW

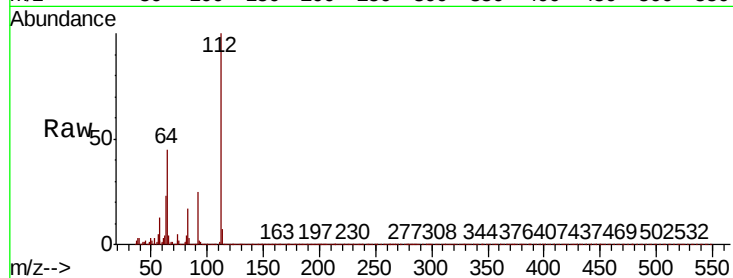
Tot Ion: 112 Resp: 833332

Ion Ratio Lower Upper

112 100

64 44.7 36.2 54.4

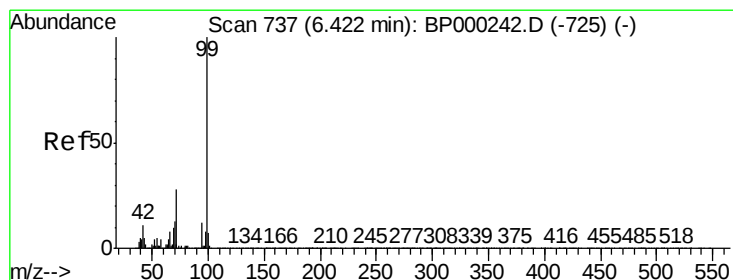
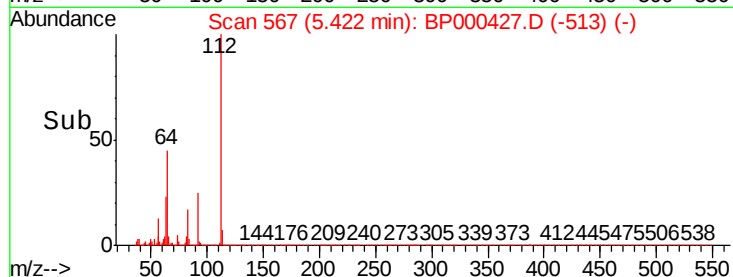
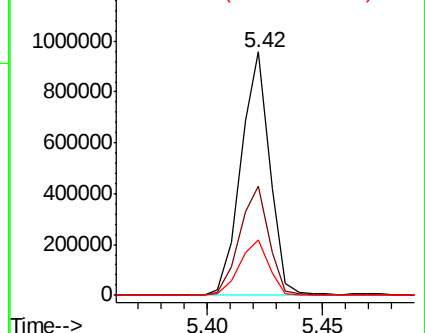
63 22.8 18.3 27.5



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

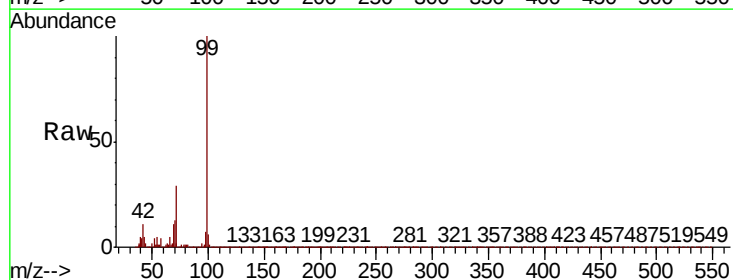
Tgt Ion: 99 Resp: 772550

Ion Ratio Lower Upper

99 100

42 10.6 8.5 12.7

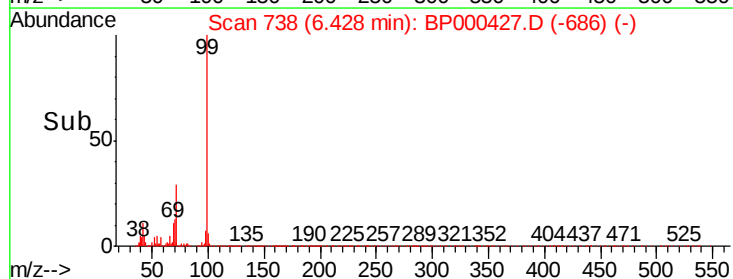
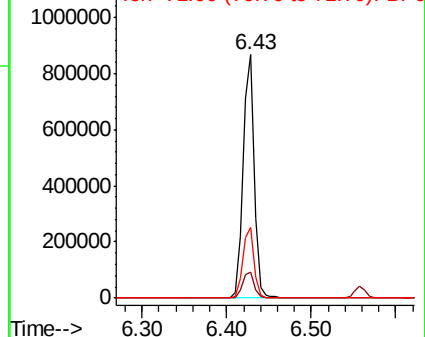
71 29.0 22.6 34.0

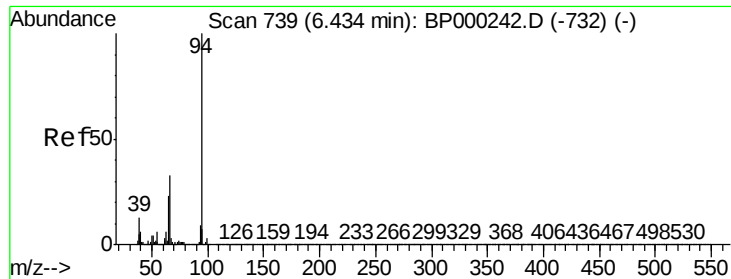


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0





#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

Instrument :

BNA_P

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QNWP8-MW27S-GW

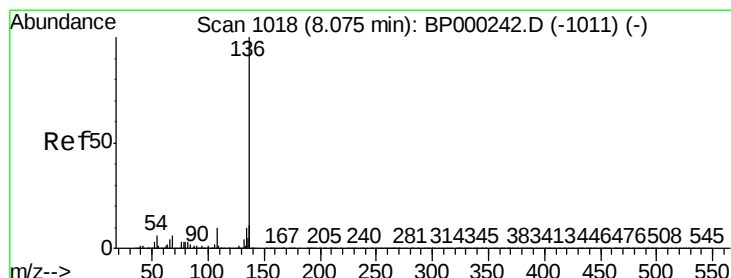
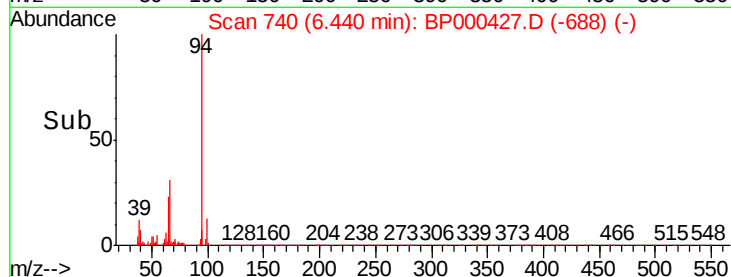
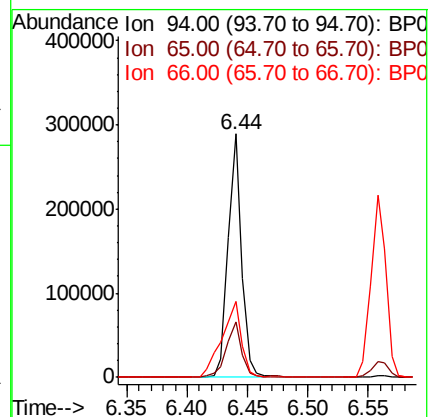
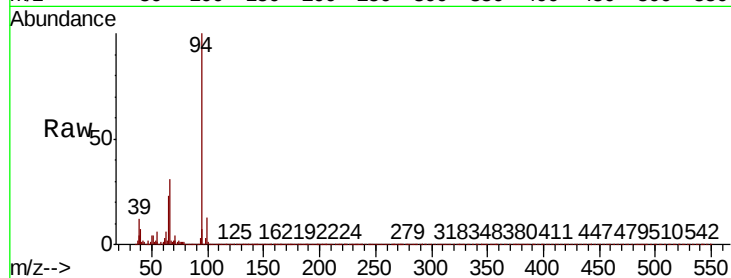
Tot Ion: 94 Resp: 223143

Ion Ratio Lower Upper

94 100

65 22.8 3.3 43.3

66 31.1 12.7 52.7



#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

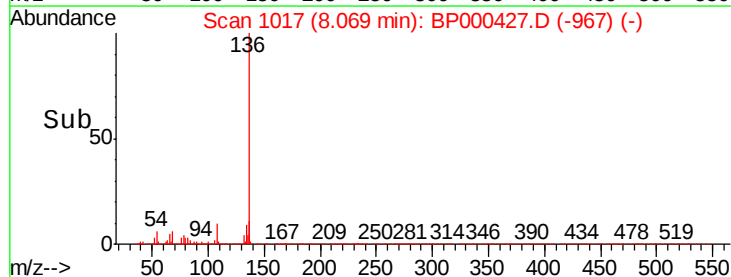
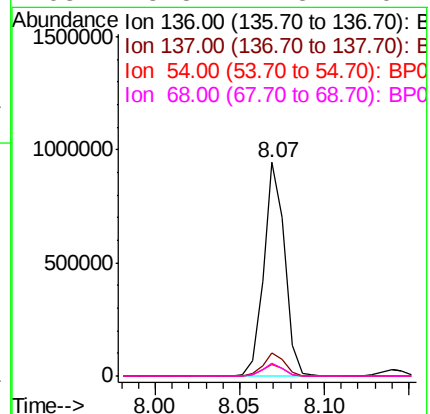
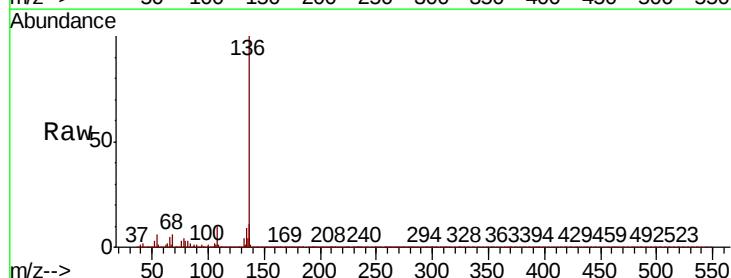
Ion Ratio Lower Upper

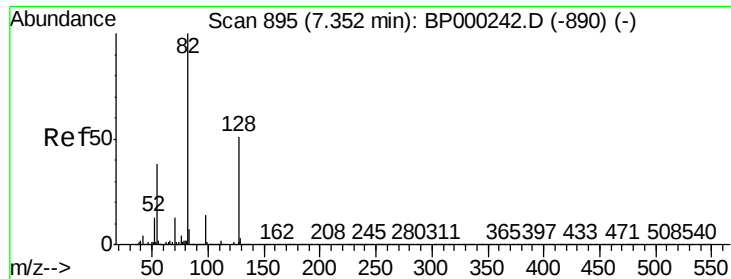
136 100

137 11.0 8.6 13.0

54 5.7 4.5 6.7

68 5.8 4.5 6.7

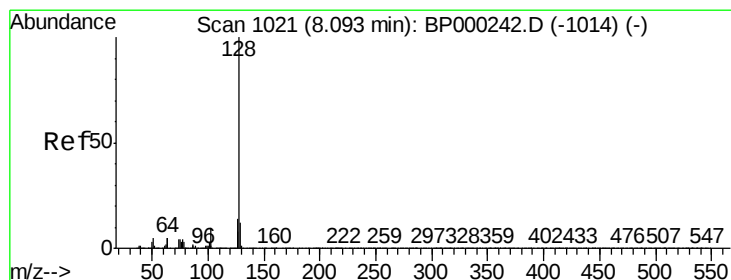
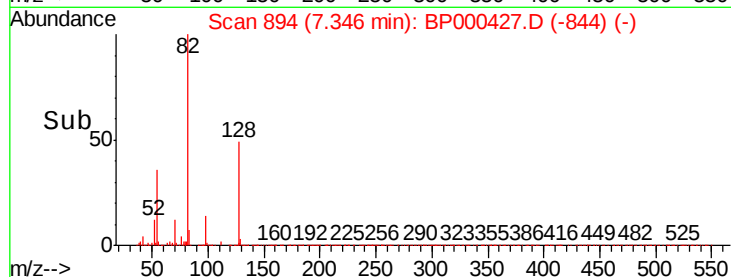
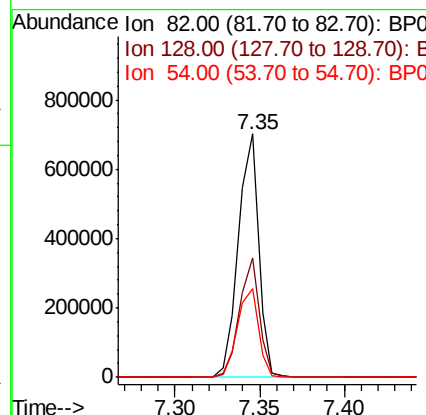
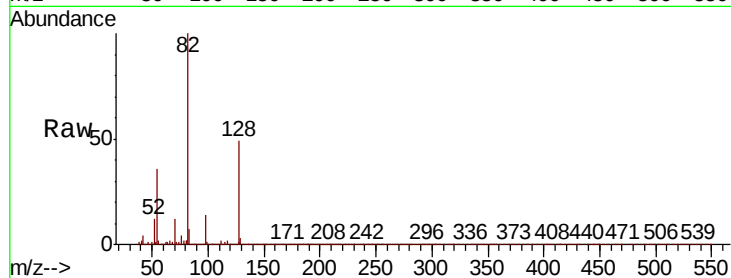




#23
Nitrobenzene-d5
Concen: 46.803 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

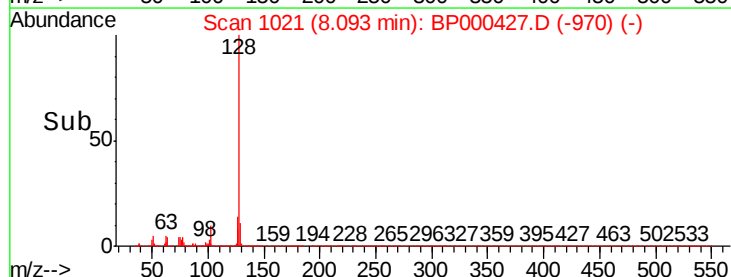
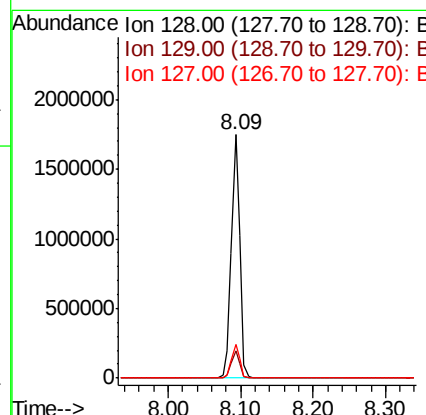
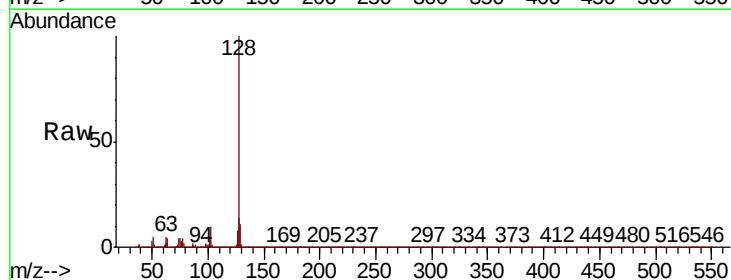
Instrument :
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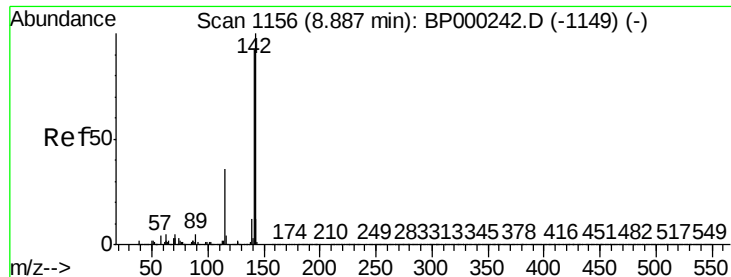
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	40.7	61.1
54	36.2	30.1	45.1



#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

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.6

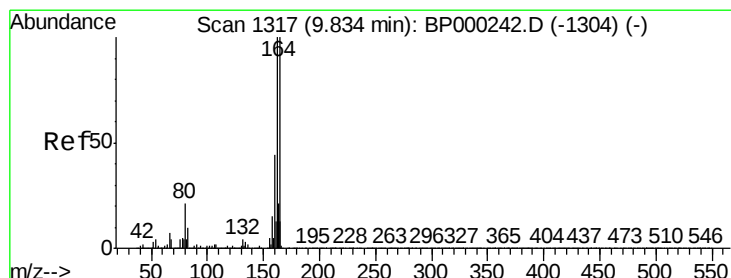
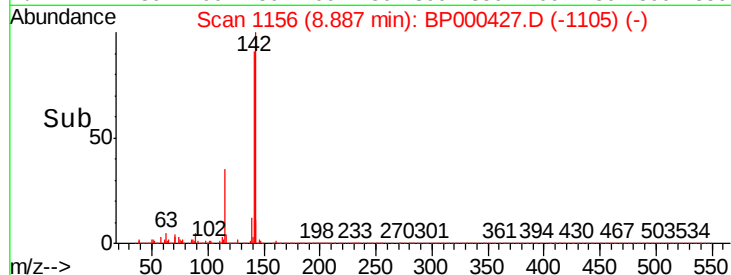
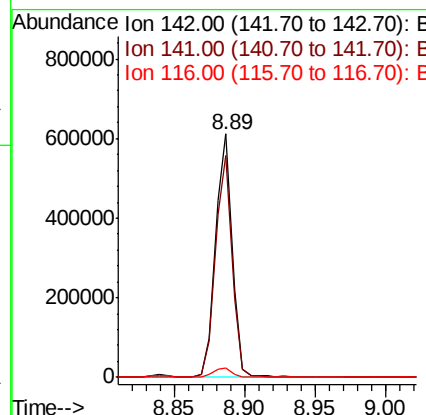
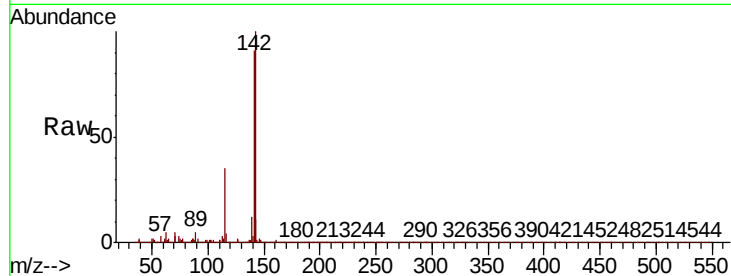




#38
 1-Methylnaphthalene
 Concen: 20.851 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BP000427.D
 Acq: 26 Sep 2019 17:10

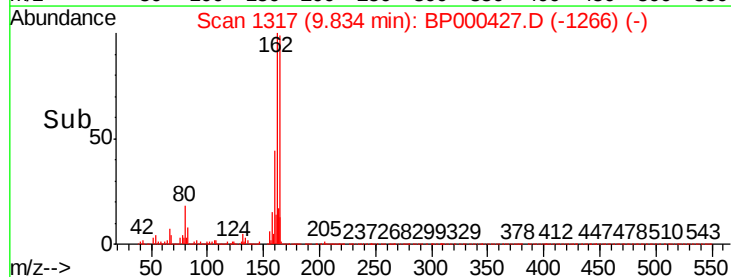
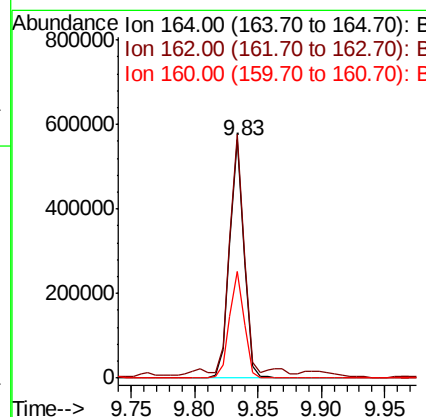
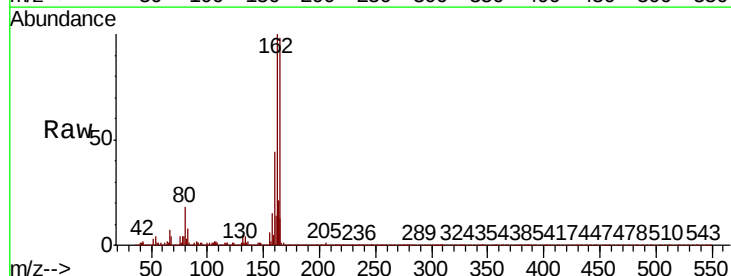
Instrument :
 BNA_P
 ClientSampleId :
 QNWP8-MW27S-GW

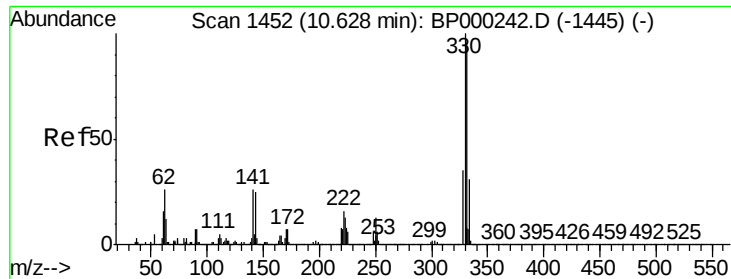
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.9	110.9
116	3.9	3.0	4.6



#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

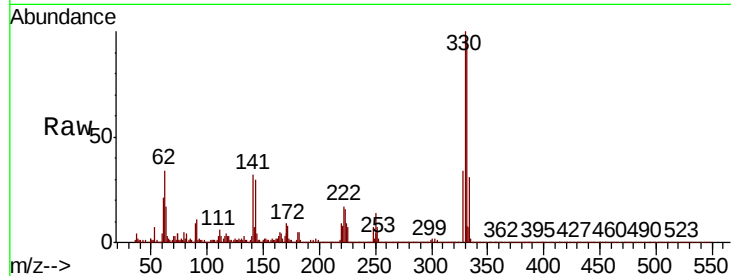




#42
2,4,6-Tribromophenol
Concen: 69.976 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

Instrument :
BNA_P
ClientSampleId :
QNWP8-MW27S-GW

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

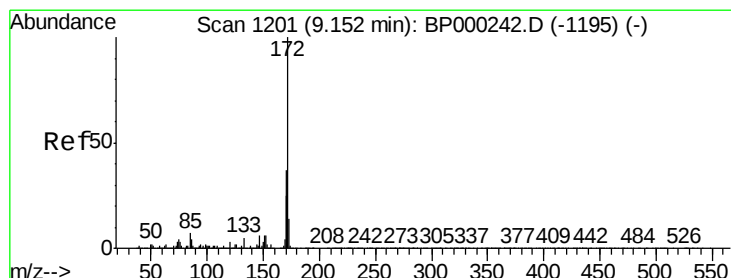
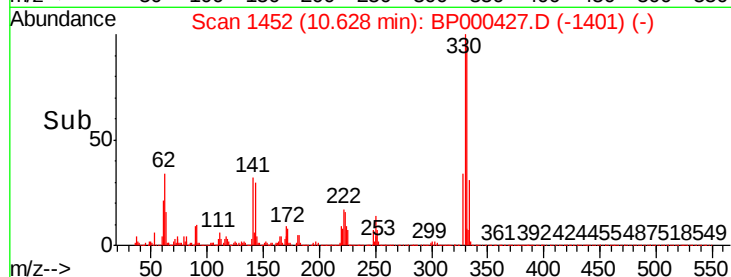
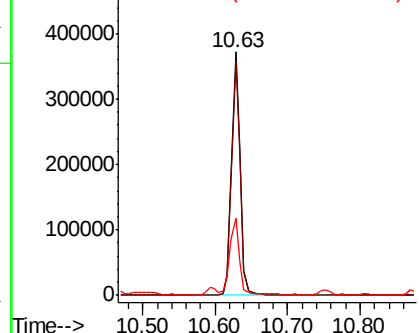


Abundance

Ion 329.80 (329.50 to 330.50): E

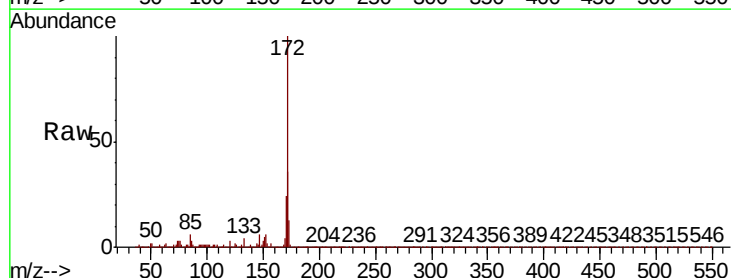
Ion 331.80 (331.50 to 332.50): E

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

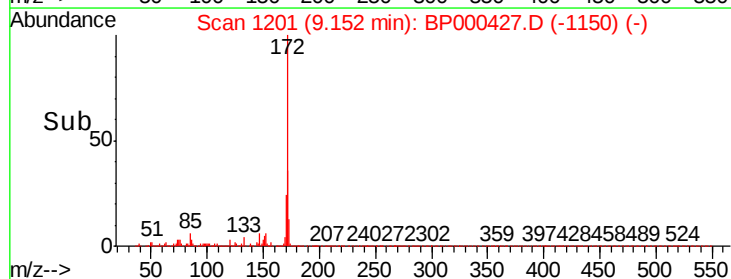
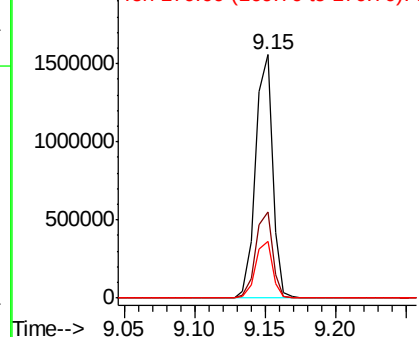


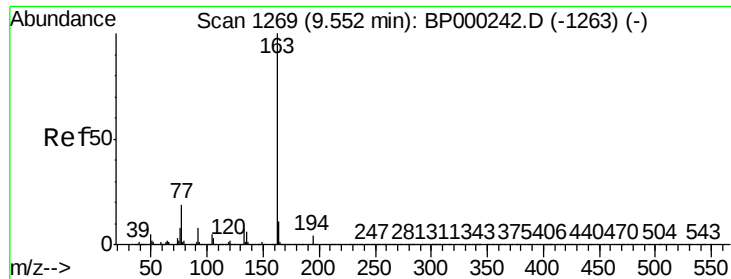
Abundance

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

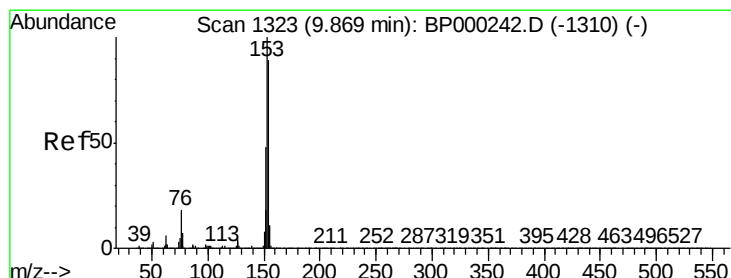
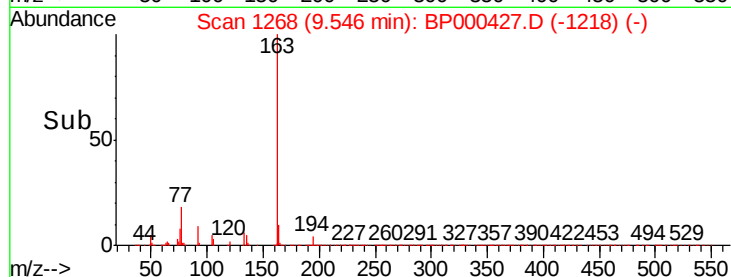
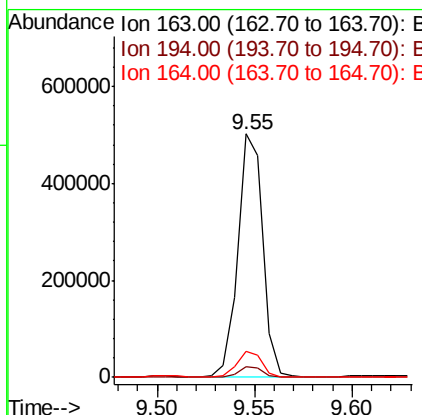
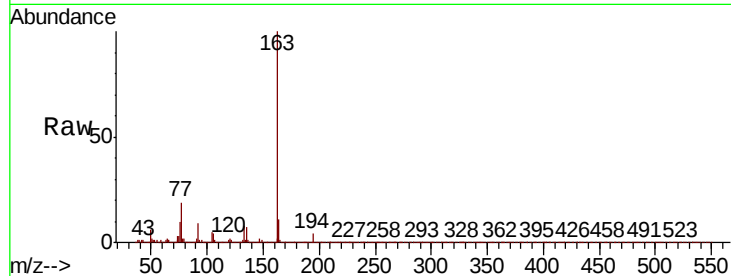




#50
Dimethylphthalate
Concen: 14.465 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000427.D
Acq: 26 Sep 2019 17:10

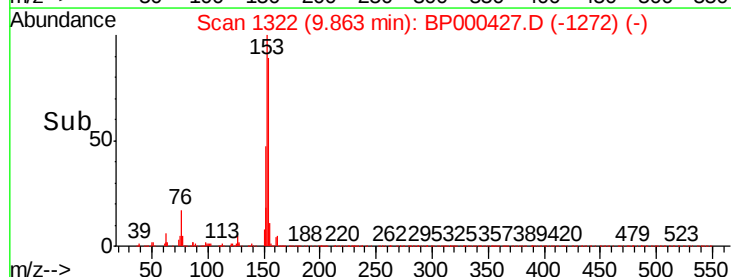
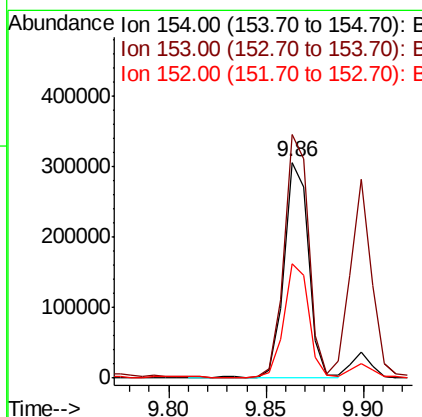
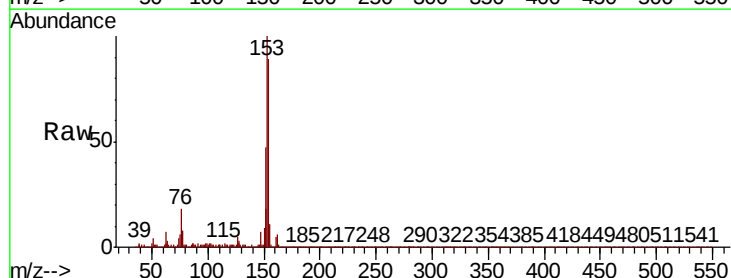
Instrument :
BNA_P
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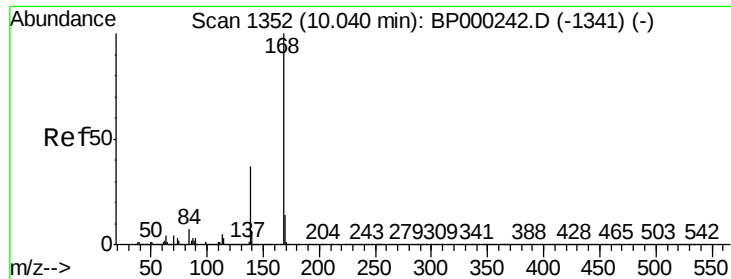
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.7	8.5	12.7



#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	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	53.2	43.4	65.0





#55

Dibenzenofuran

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 :

QNWP8-MW27S-GW

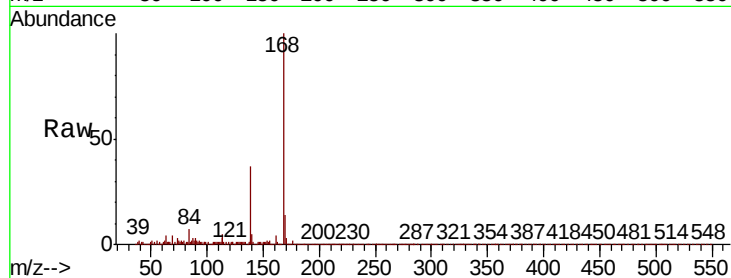
Tot Ion:168 Resp: 235088

Ion Ratio Lower Upper

168 100

139 36.9 30.0 45.0

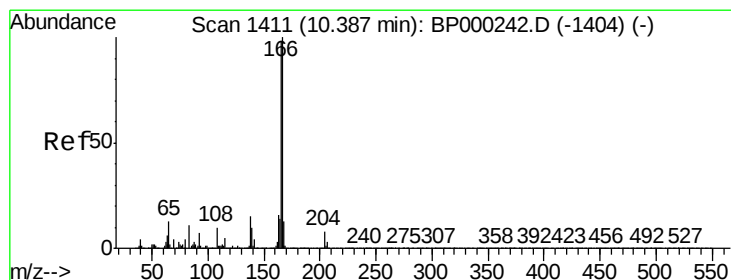
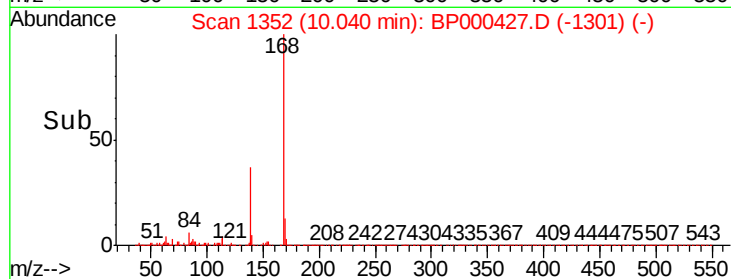
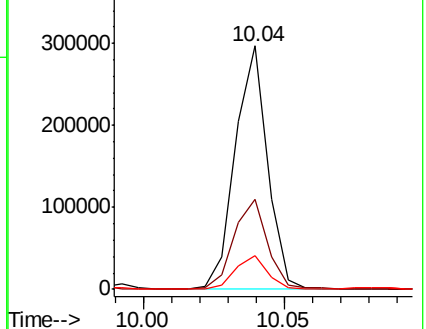
169 13.6 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#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

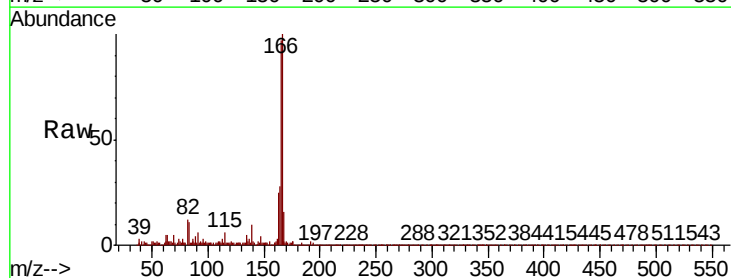
Tgt Ion:166 Resp: 150203

Ion Ratio Lower Upper

166 100

165 96.6 78.2 117.2

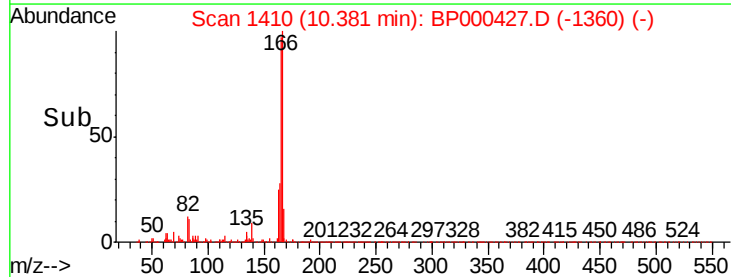
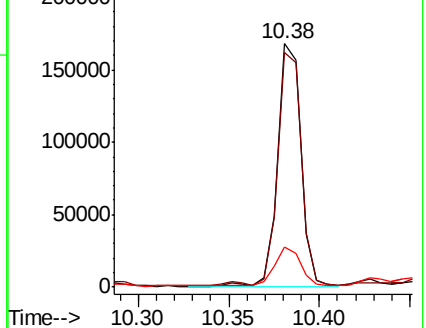
167 16.3 10.7 16.1#

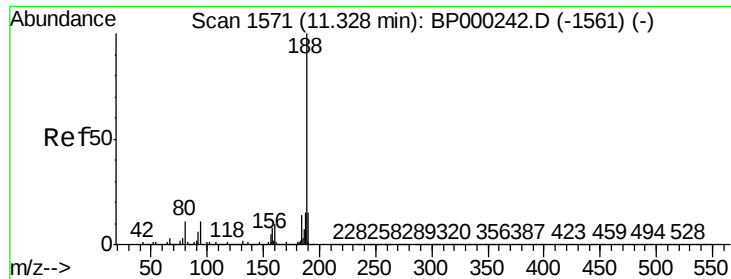


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#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

Instrument :

BNA_P

ClientSampleId :

QNWP8-MW27S-GW

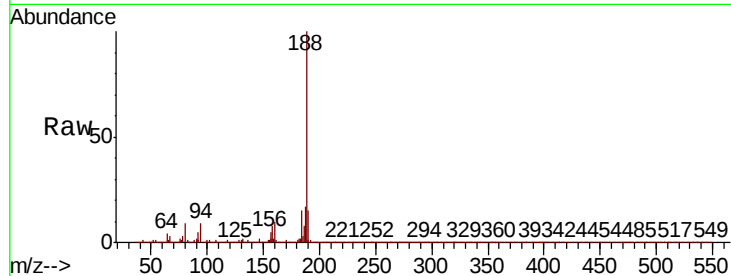
Tot Ion:188 Resp: 943523

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

80 8.6 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

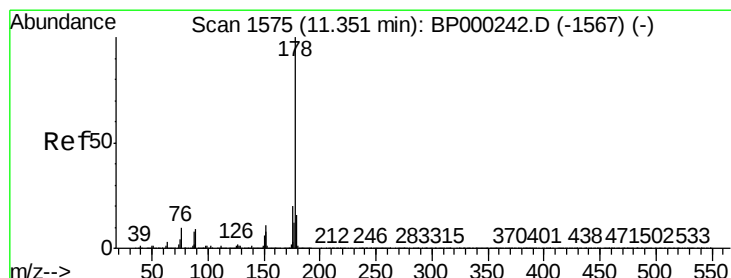
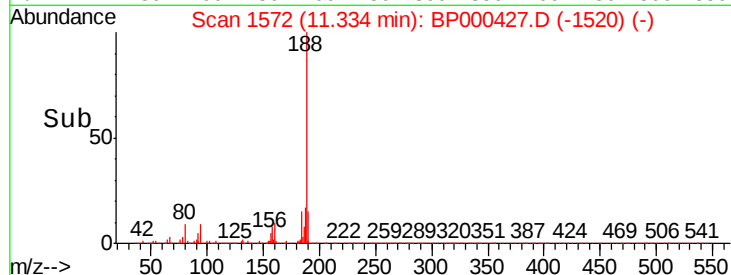
11.33

1000000

500000

0

Time-->



#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

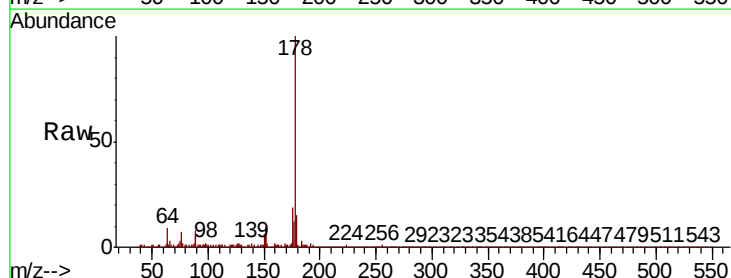
Tgt Ion:178 Resp: 277851

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.2 12.7 19.1



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

11.36

400000

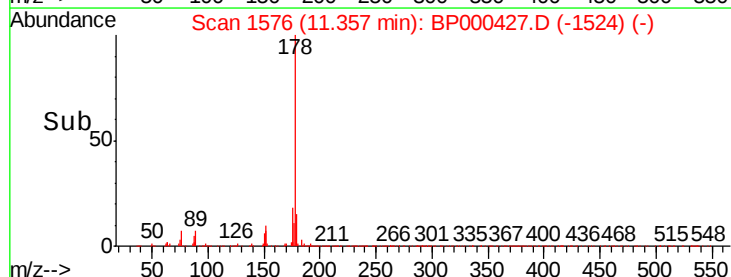
300000

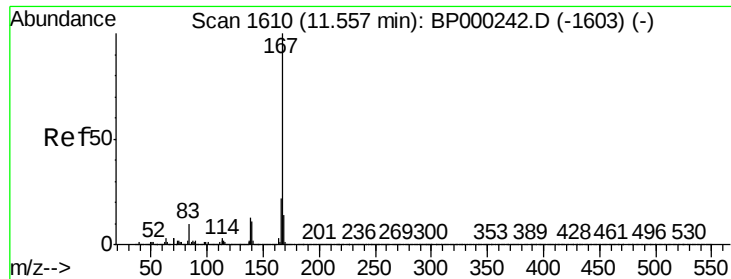
200000

100000

0

Time-->

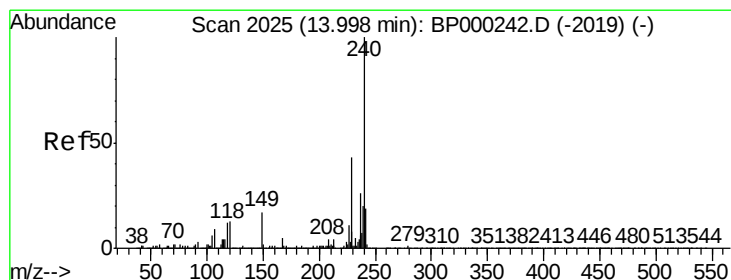
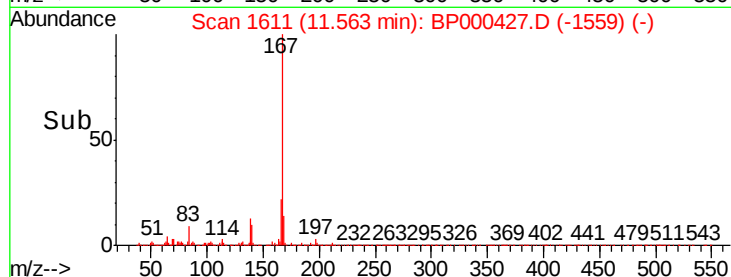
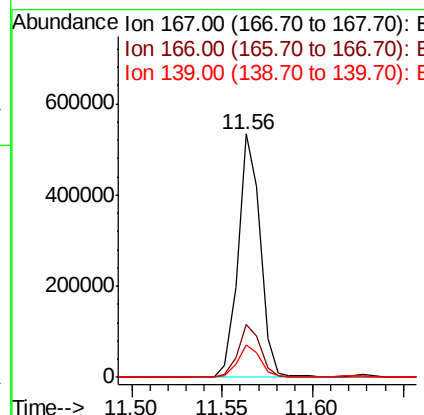
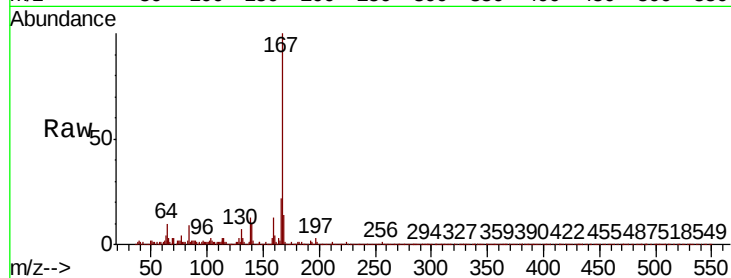




#73
 Carbazole
 Concen: 10.262 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BP000427.D
 Acq: 26 Sep 2019 17:10

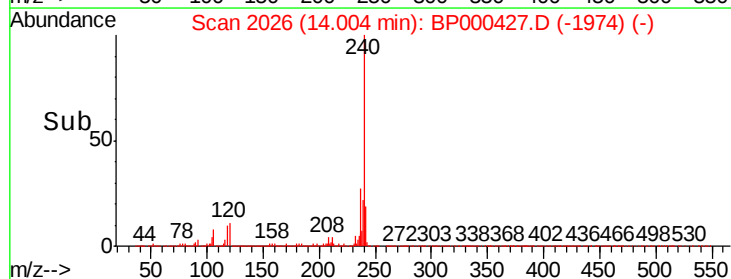
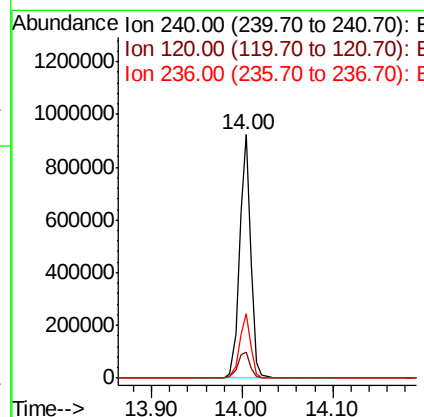
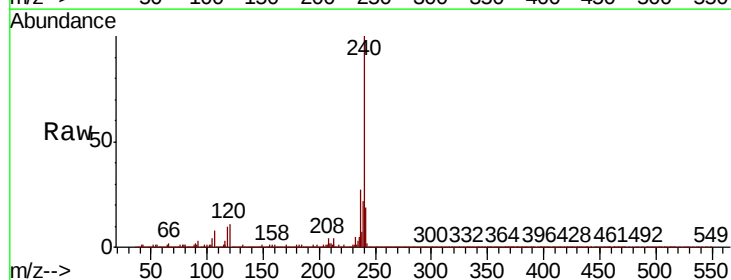
Instrument :
 BNA_P
 ClientSampleId :
 QNWP8-MW27S-GW

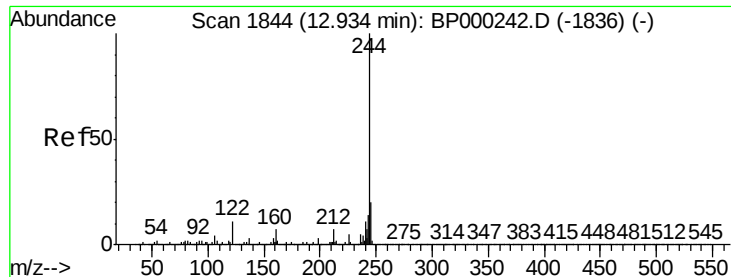
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	13.2	10.8	16.2



#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	Ratio	Lower	Upper
240	100		
120	10.9	10.4	15.6
236	26.5	21.0	31.6





#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 :

QNWP8-MW27S-GW

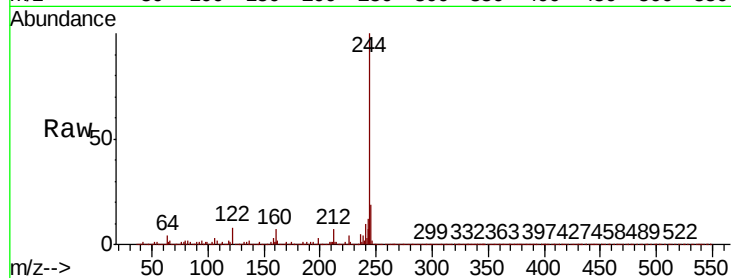
Tot Ion:244 Resp: 1269621

Ion Ratio Lower Upper

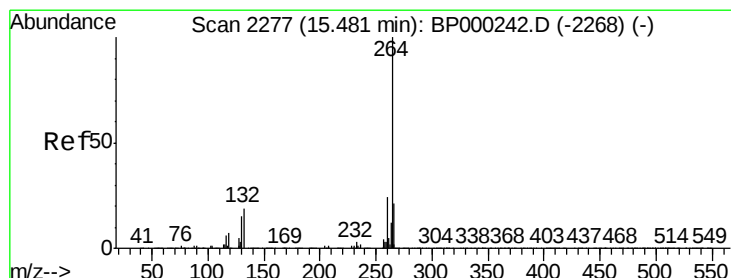
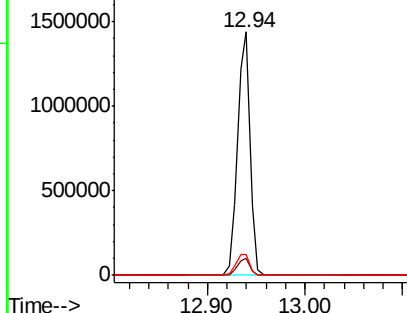
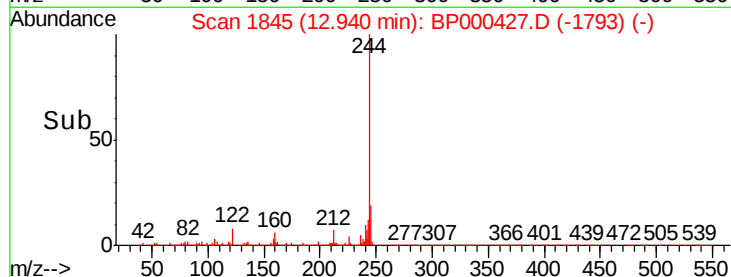
244 100

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

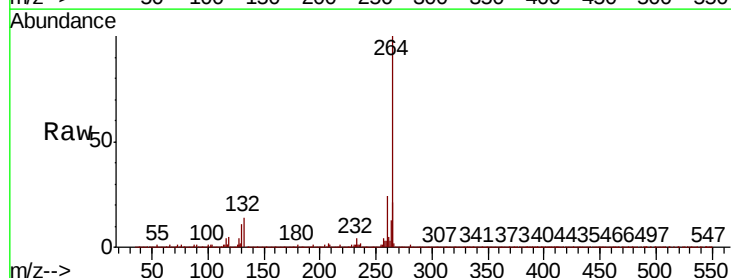
Tgt Ion:264 Resp: 615364

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

