

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\
 Data File : BP000464.D
 Acq On : 27 Sep 2019 17:56
 Operator : JU
 Sample : K5019-03DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 QNWP8-MW26S-GWDL

Quant Time: Sep 28 01:46:29 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	101009	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	345780	20.00	ng	0.02
39) Acenaphthene-d10	9.83	164	214048	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	392961	20.00	ng	0.00
76) Chrysene-d12	14.00	240	386670	20.00	ng	0.00
87) Perylene-d12	15.49	264	736801	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	234849	40.14	ng	0.01
7) Phenol-d6	6.43	99	179161	24.98	ng	0.01
23) Nitrobenzene-d5	7.35	82	96091	17.93	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	68869	32.44	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	221720	18.64	ng	0.00
79) Terphenyl-d14	12.93	244	326921	17.74	ng	0.00

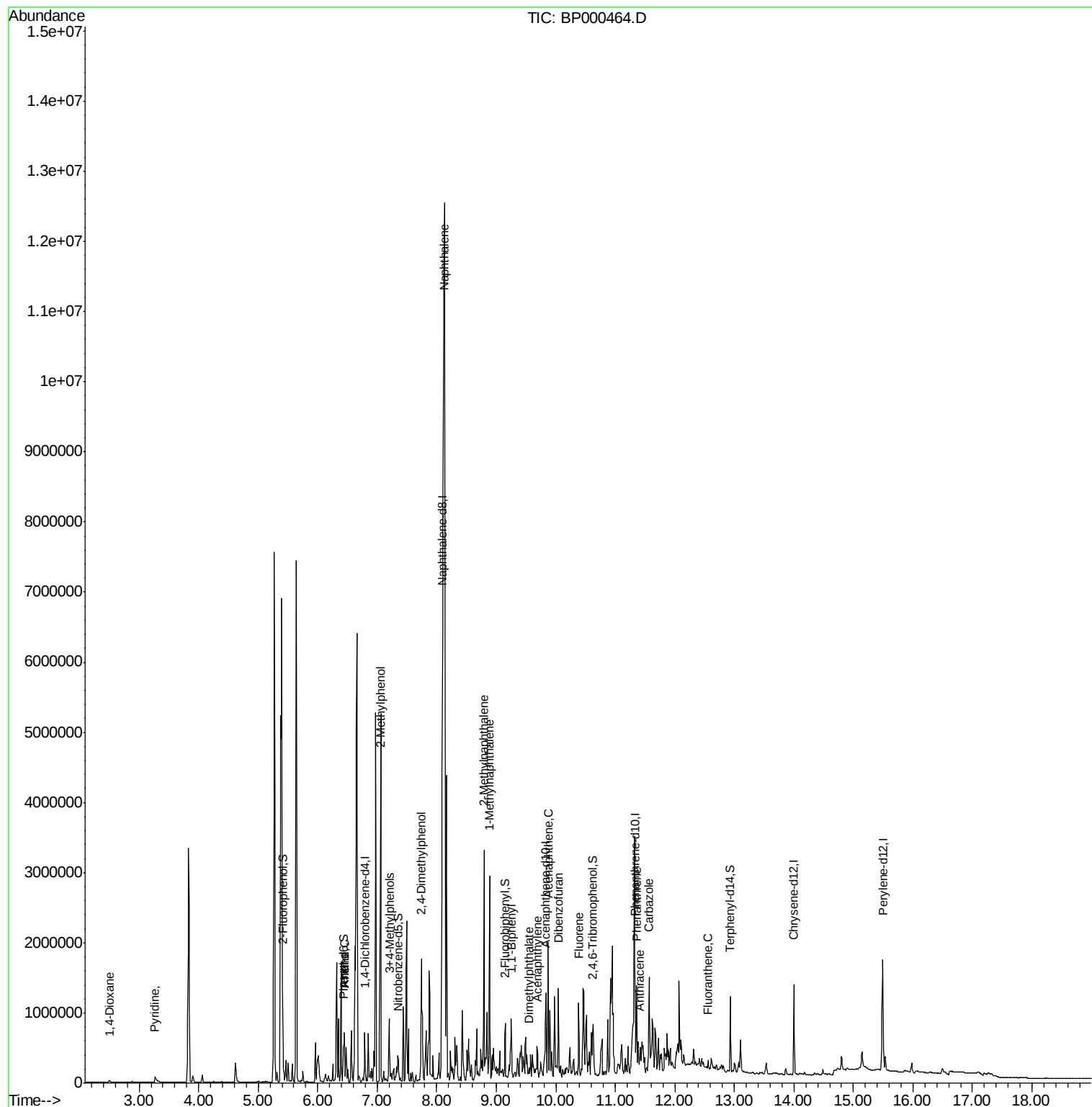
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.50	88	15212	5.761	ng	97
3) Pyridine	3.27	79	67565	9.505	ng	100
6) Aniline	6.45	93	137421	13.897	ng	# 50
10) Phenol	6.45	94	139395	17.107	ng	# 52
17) 2-Methylphenol	7.05	107	72425	13.421	ng	# 92
20) 3+4-Methylphenols	7.20	107	230525	35.327	ng	# 70
27) 2,4-Dimethylphenol	7.75	122	385265	81.959	ng	96
31) Naphthalene	8.13	128	14693841	917.546	ng	# 94
37) 2-Methylnaphthalene	8.79	142	740096	67.605	ng	97
38) 1-Methylnaphthalene	8.89	142	686768	66.970	ng	98
46) 1,1'-Biphenyl	9.25	154	191867	12.957	ng	97
49) Acenaphthylene	9.69	152	41452	2.220	ng	# 91
50) Dimethylphthalate	9.55	163	44305	3.038	ng	98
52) Acenaphthene	9.87	154	344106	29.204	ng	97
55) Dibenzofuran	10.04	168	406280	24.391	ng	96
58) Fluorene	10.39	166	236550	18.386	ng	100
71) Phenanthrene	11.36	178	384405	19.521	ng	99
72) Anthracene	11.41	178	51685	2.550	ng	99
73) Carbazole	11.57	167	341533	18.710	ng	100
75) Fluoranthene	12.56	202	43871	2.075	ng	93

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

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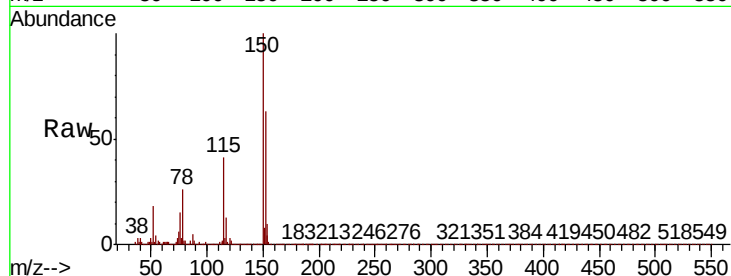


#1

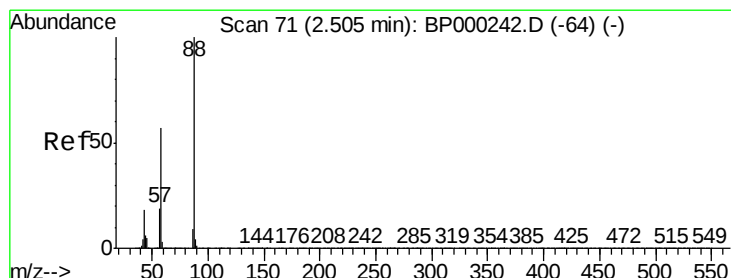
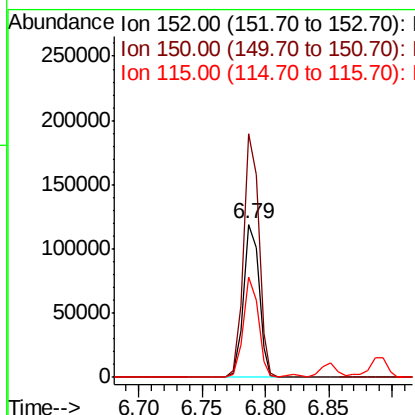
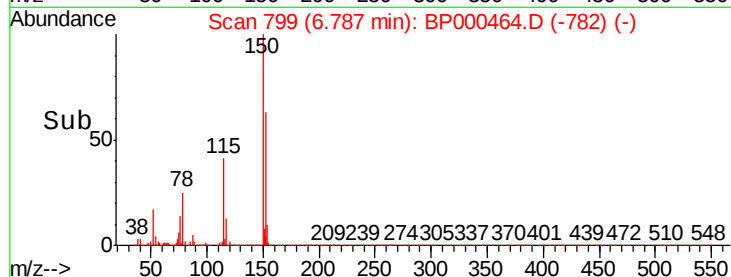
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

Instrument :
 BNA_P
 ClientSampleId :
 QNWP8-MW26S-GWDL

Tot Ion:152 Resp: 101009
 Ion Ratio Lower Upper
 152 100
 150 159.0 125.2 187.8
 115 65.8 49.7 74.5



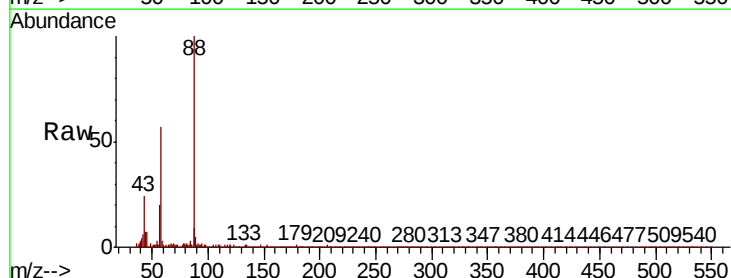
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



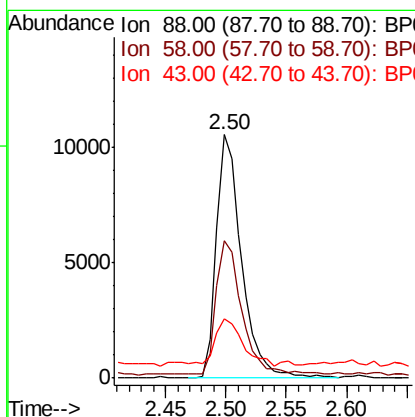
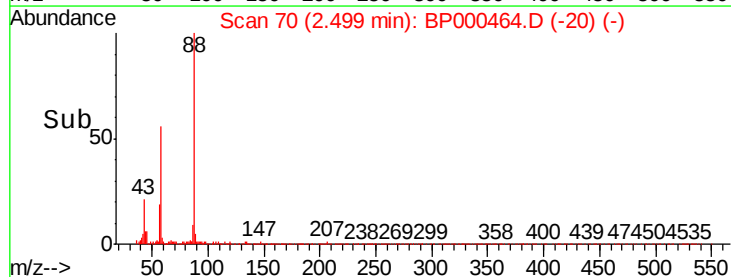
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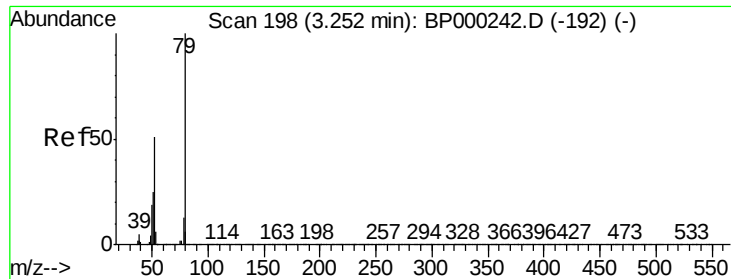
1,4-Dioxane
 Concen: 5.761 ng
 RT: 2.50 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

Tgt Ion: 88 Resp: 15212
 Ion Ratio Lower Upper
 88 100
 58 55.5 45.4 68.2
 43 21.0 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

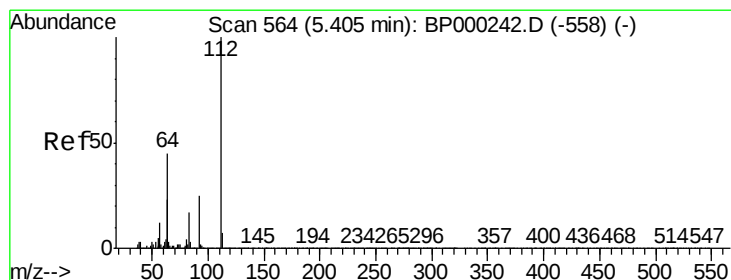
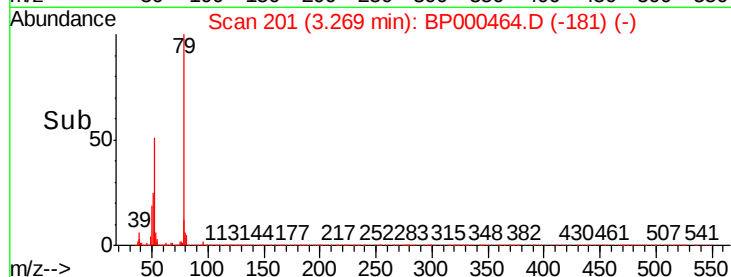
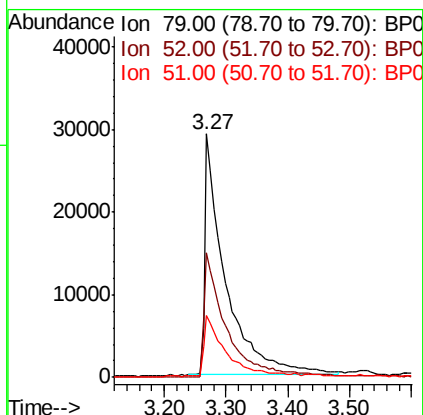
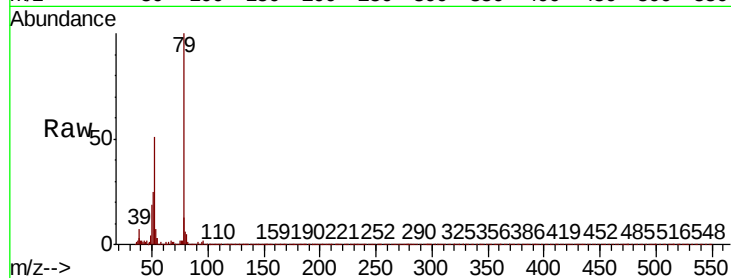




#3
 Pvridine
 Concen: 9.505 ng
 RT: 3.27 min Scan# 201
 Delta R.T. 0.02 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

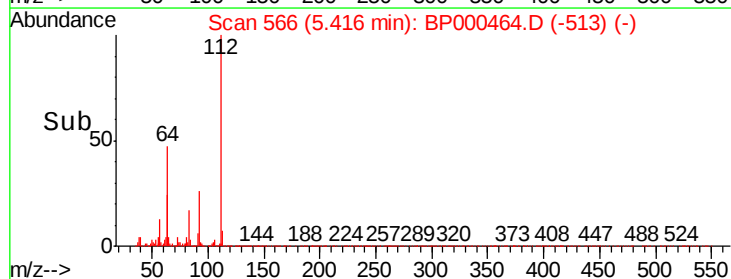
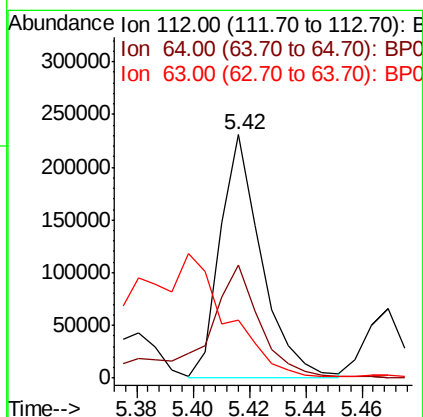
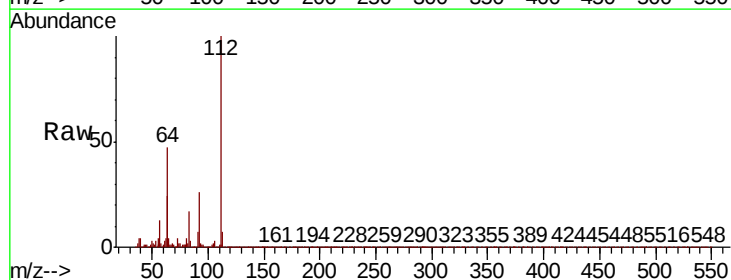
Instrument :
 BNA_P
 ClientSampleId :
 QNWP8-MW26S-GWDL

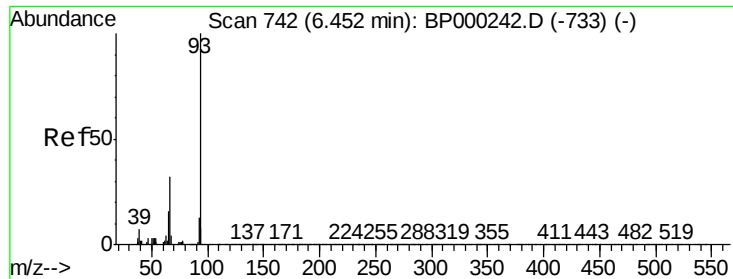
Tot Ion	Ratio	Lower	Upper
79	100		
52	51.2	40.9	61.3
51	25.4	20.2	30.2



#5
 2-Fluorophenol
 Concen: 40.138 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.6	36.2	54.4
63	24.0	18.3	27.5





#6

Aniline

Concen: 13.897 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

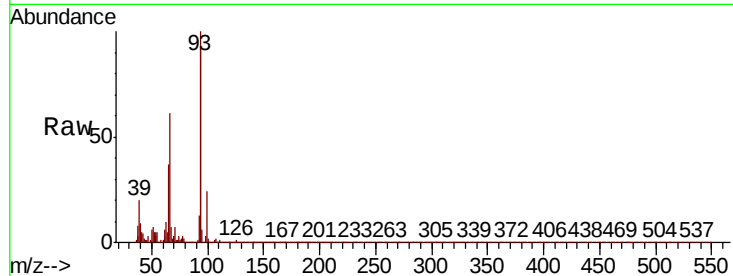
Tot Ion: 93 Resp: 137421

Ion Ratio Lower Upper

93 100

66 61.1 26.2 39.2#

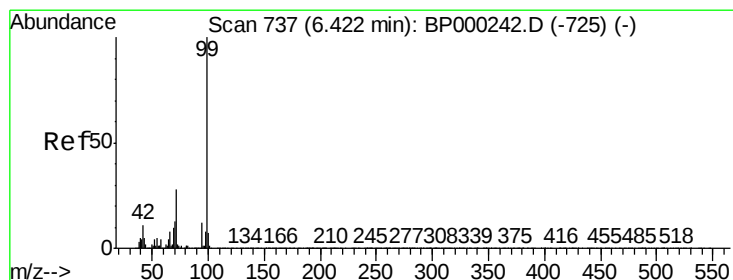
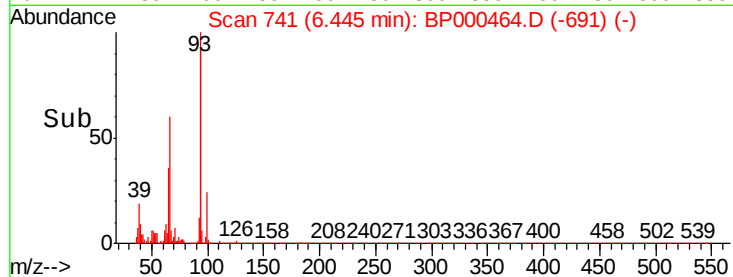
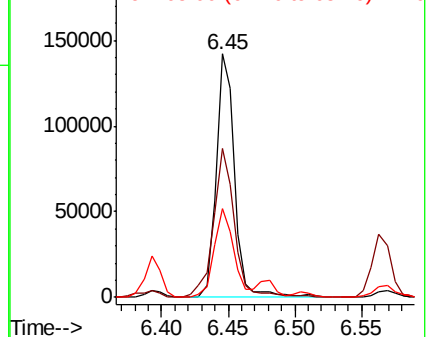
65 36.6 12.7 19.1#



Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0



#7

Phenol-d6

Concen: 24.980 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

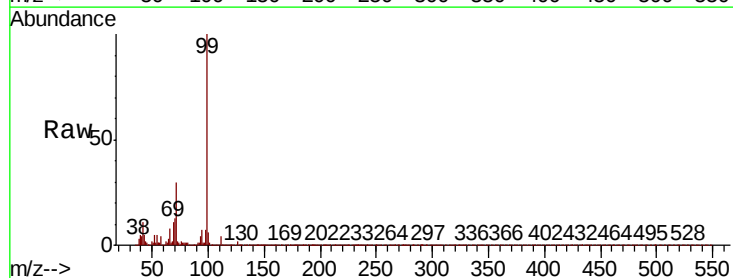
Tgt Ion: 99 Resp: 179161

Ion Ratio Lower Upper

99 100

42 11.0 8.5 12.7

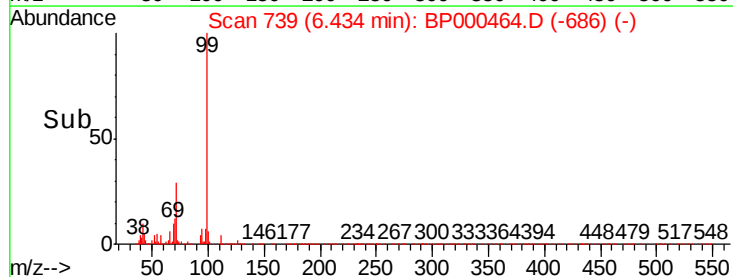
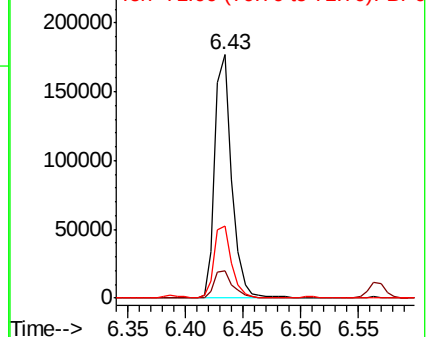
71 29.6 22.6 34.0

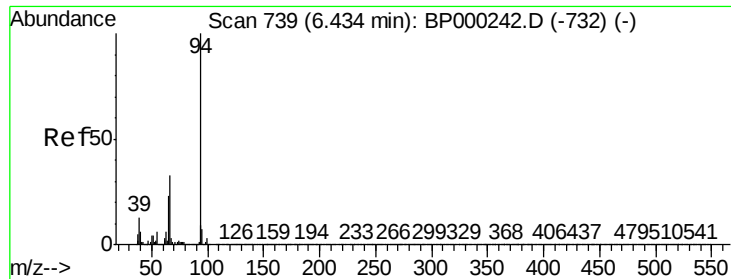


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0





#10

Phenol

Concen: 17.107 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

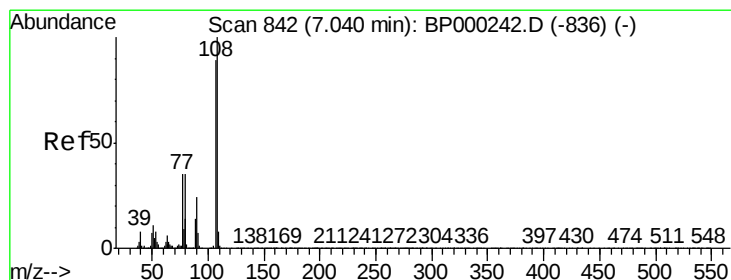
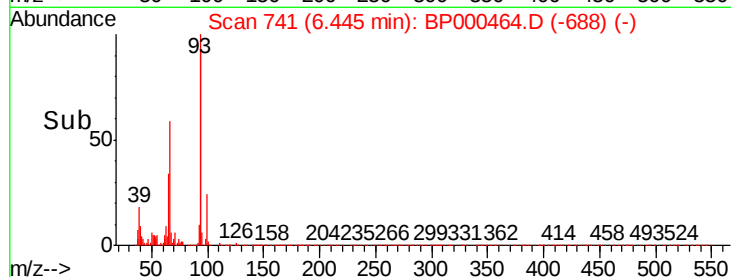
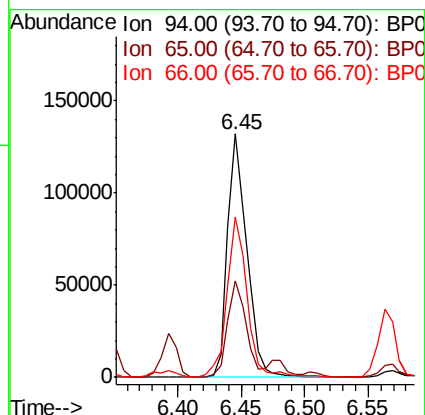
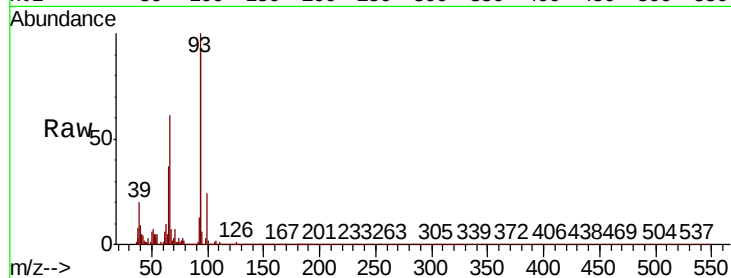
BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion: 94 Resp: 139395

Ion	Ratio	Lower	Upper
94	100		
65	39.4	3.3	43.3
66	65.7	12.7	52.7#



#17

2-Methylphenol

Concen: 13.421 ng

RT: 7.05 min Scan# 843

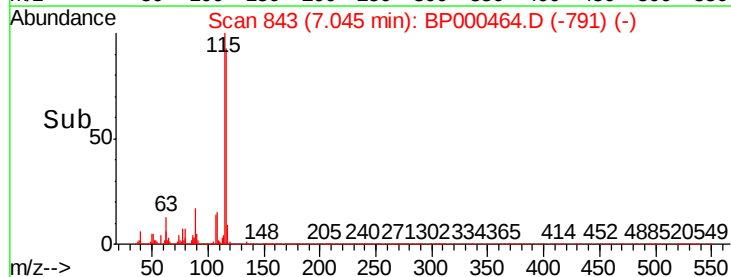
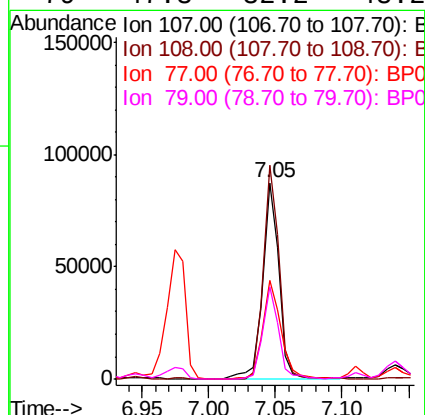
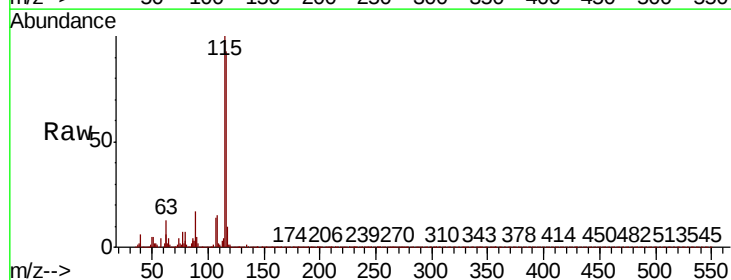
Delta R.T. 0.01 min

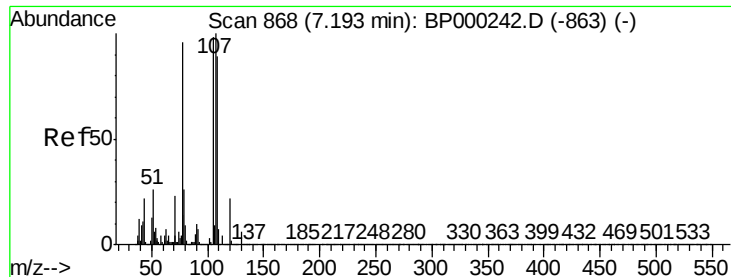
Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Tgt Ion: 107 Resp: 72425

Ion	Ratio	Lower	Upper
107	100		
108	108.9	90.1	135.1
77	50.1	31.5	47.3#
79	47.3	32.2	48.2

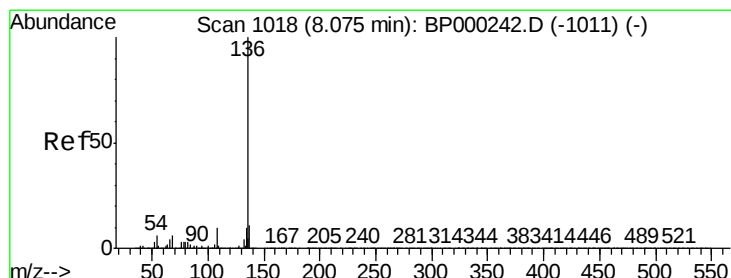
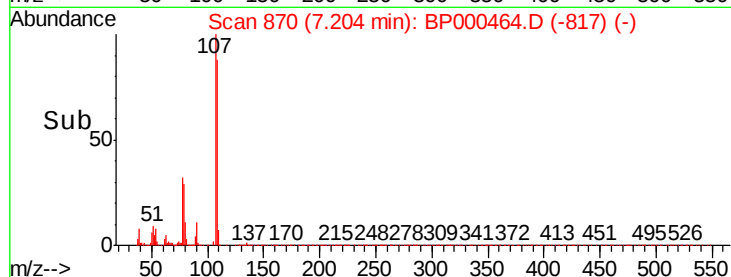
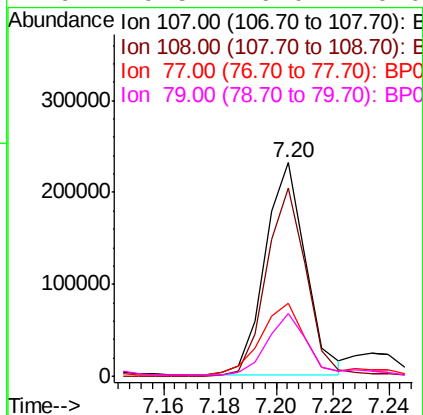
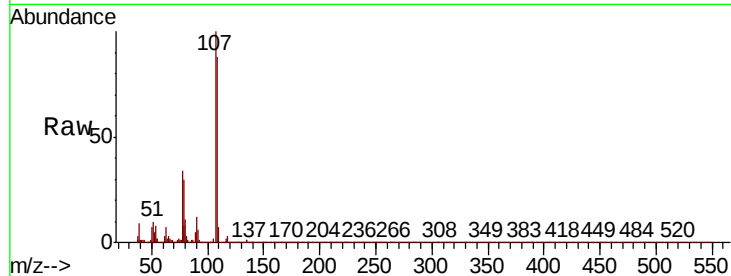




#20
3+4-Methylphenols
Concen: 35.327 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.01 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

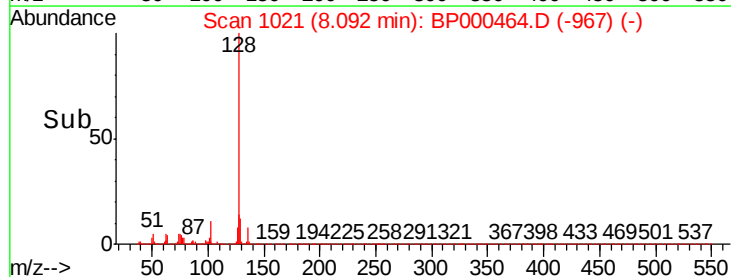
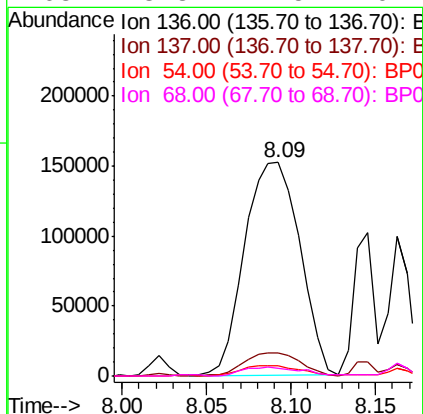
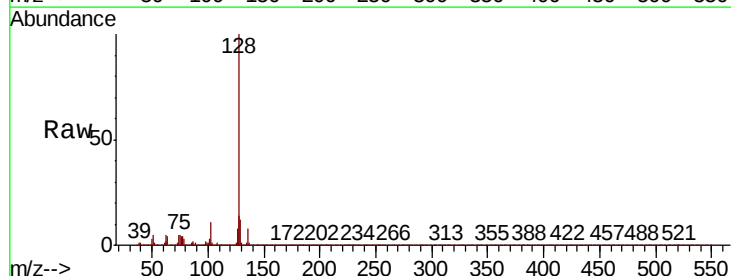
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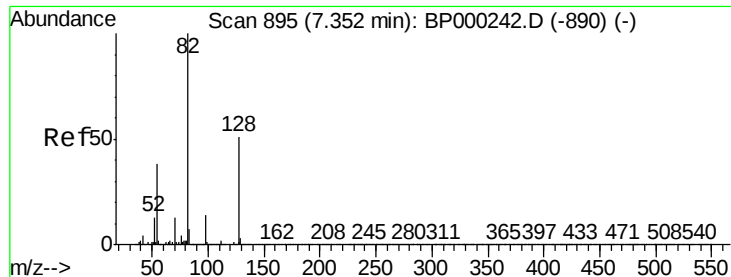
Tot Ion:	107	Resp:	230525
Ion	Ratio	Lower	Upper
107	100		
108	88.2	68.8	108.8
77	33.9	75.7	115.7#
79	29.5	6.0	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.02 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

Tgt Ion:	136	Resp:	345780
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	5.0	4.5	6.7
68	3.3	4.5	6.7#

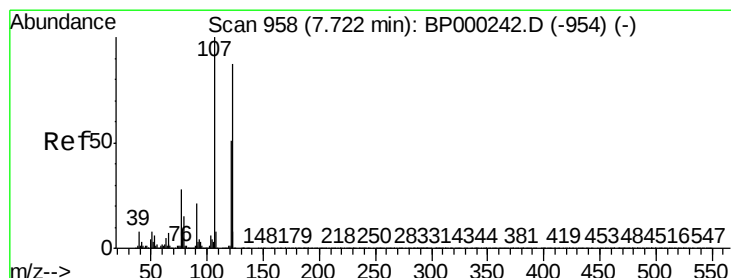
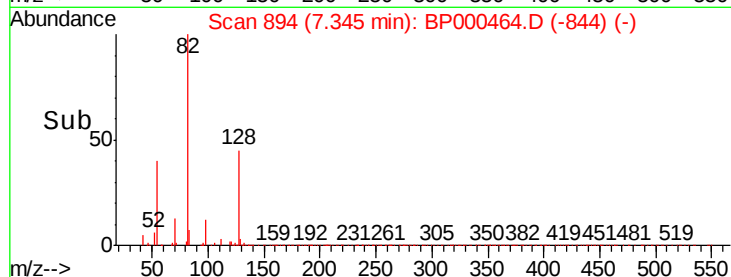
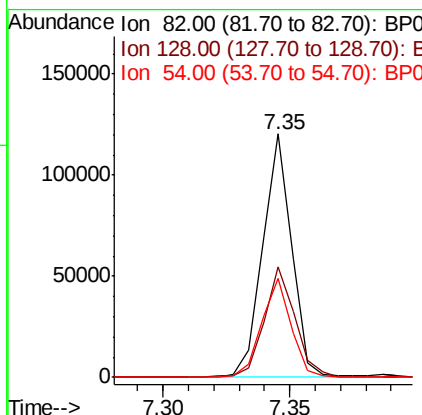
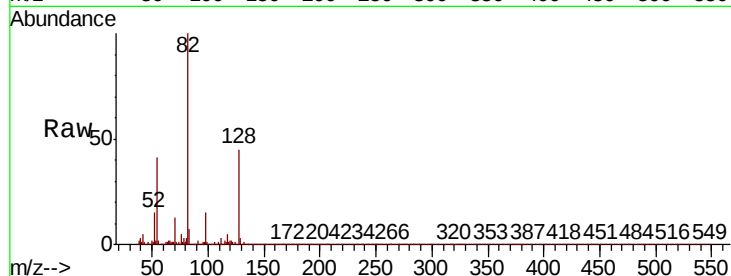




#23
 Nitrobenzene-d5
 Concen: 17.930 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

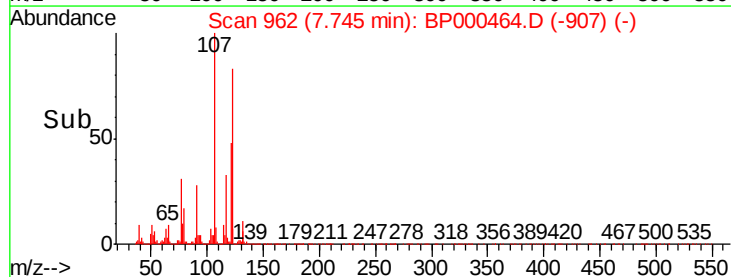
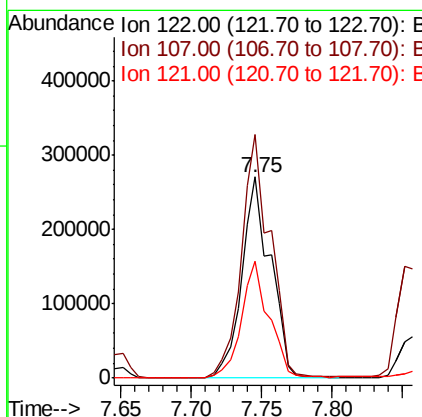
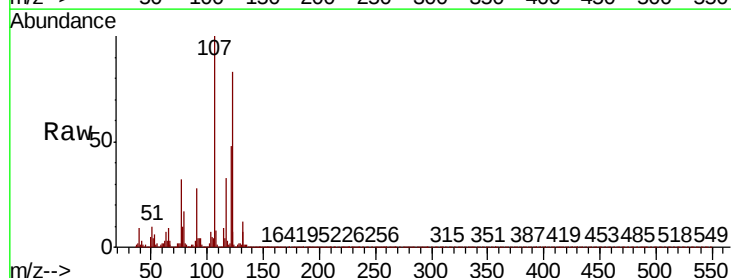
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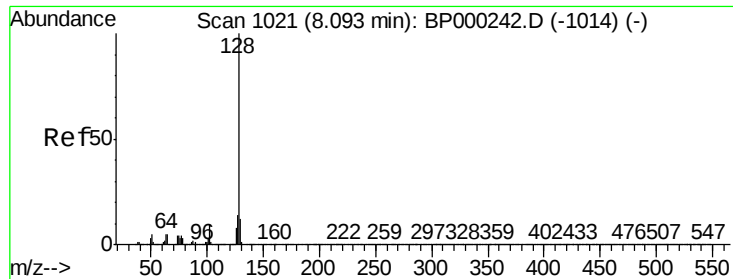
Tot Ion	82	Resp	96091
Ion Ratio	Lower	Upper	
82	100		
128	45.4	40.7	61.1
54	40.6	30.1	45.1



#27
 2,4-Dimethylphenol
 Concen: 81.959 ng
 RT: 7.75 min Scan# 962
 Delta R.T. 0.02 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

Tgt Ion	122	Resp	385265
Ion Ratio	Lower	Upper	
122	100		
107	121.1	91.5	137.3
121	58.1	46.9	70.3

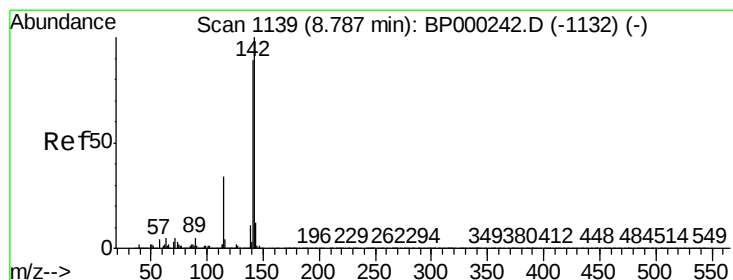
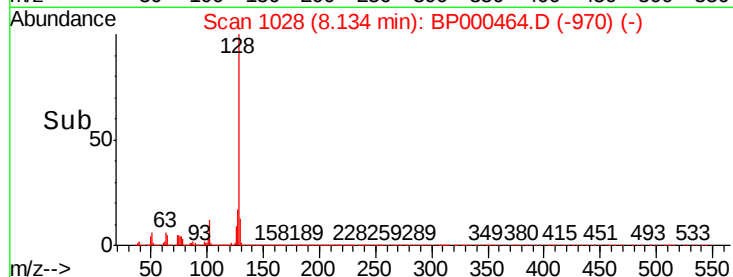
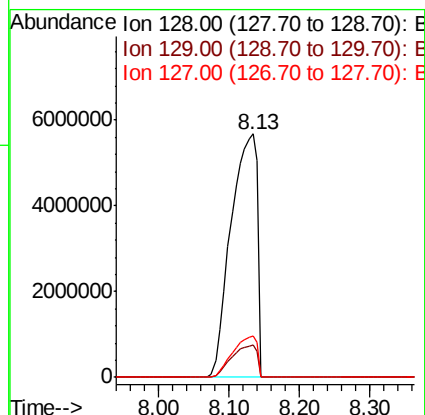
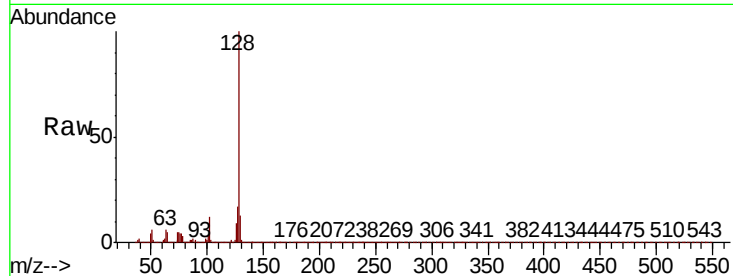




#31
Naphthalene
Concen: 917.546 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.04 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

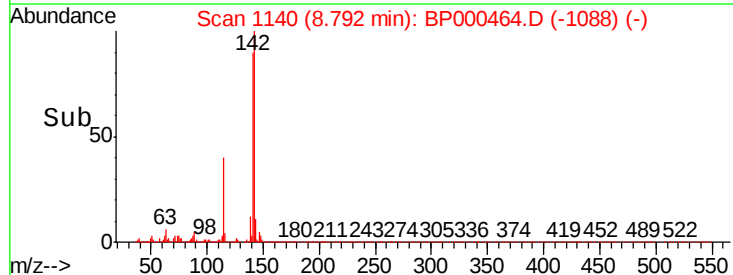
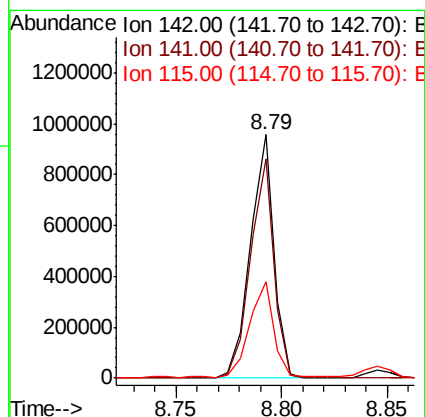
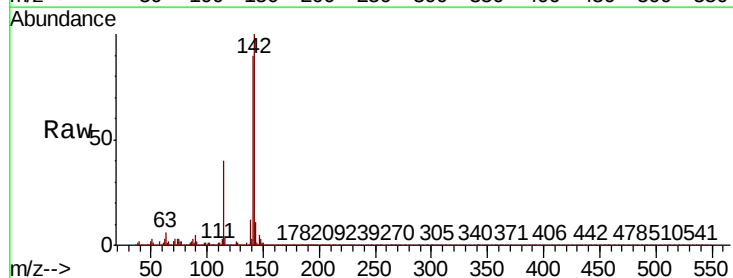
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ClientSampleId :
QNWP8-MW26S-GWDL

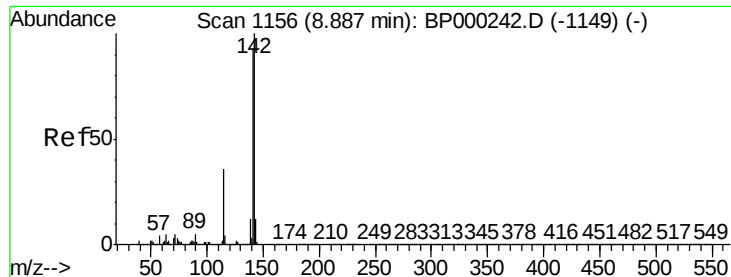
Tot Ion:128 Resp:14693841
Ion Ratio Lower Upper
128 100
129 13.3 9.2 13.8
127 16.9 11.0 16.6#



#37
2-Methylnaphthalene
Concen: 67.605 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

Tgt Ion:142 Resp: 740096
Ion Ratio Lower Upper
142 100
141 89.9 71.3 106.9
115 39.7 27.2 40.8

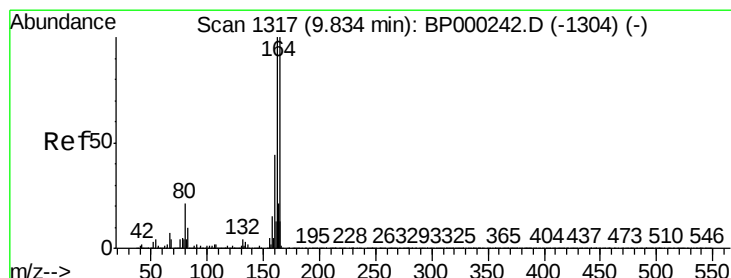
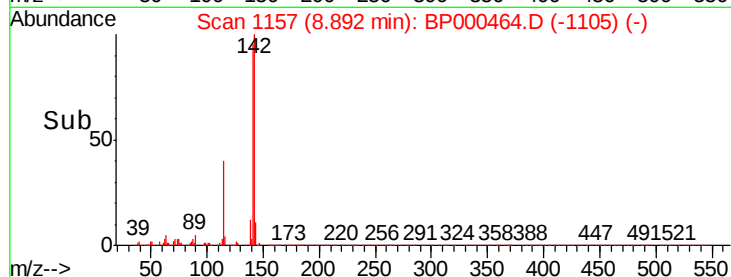
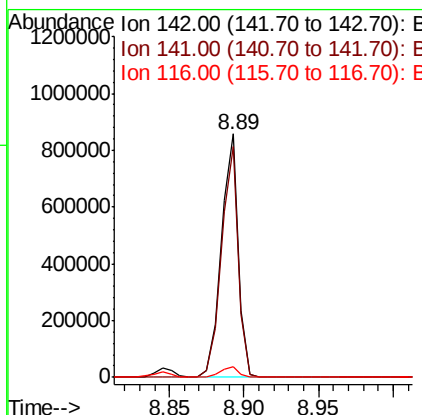
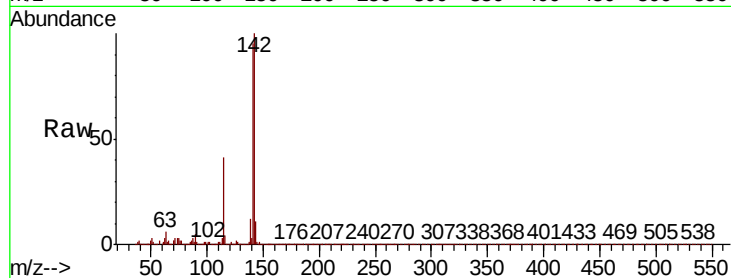




#38
1-Methylnaphthalene
Concen: 66.970 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

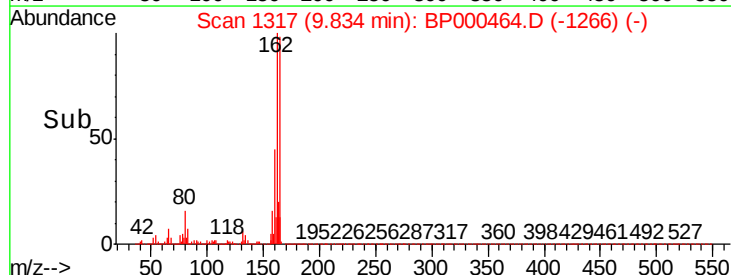
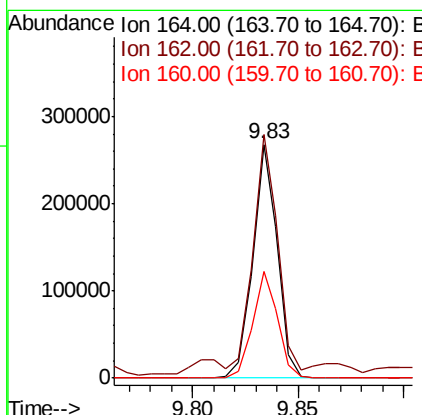
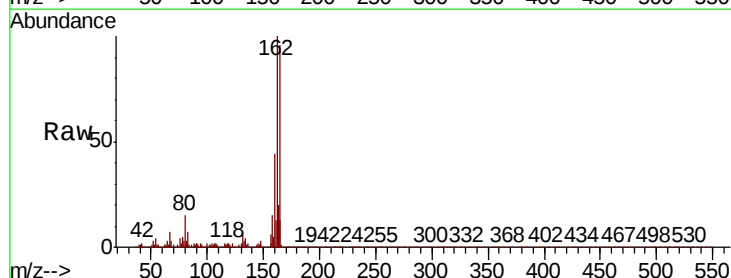
Instrument :
BNA_P
ClientSampleId :
QNWP8-MW26S-GWDL

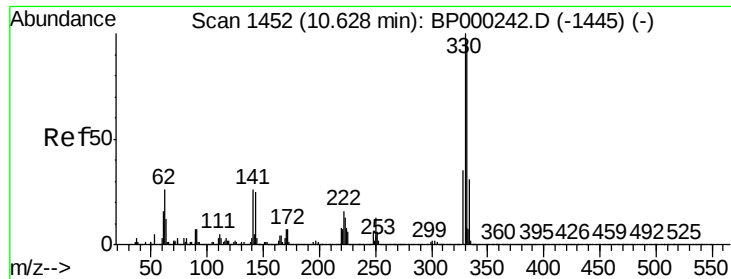
Tot Ion	Ratio	Lower	Upper
142	100		
141	94.7	73.9	110.9
116	4.3	3.0	4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	79.9	119.9
160	45.6	35.6	53.4

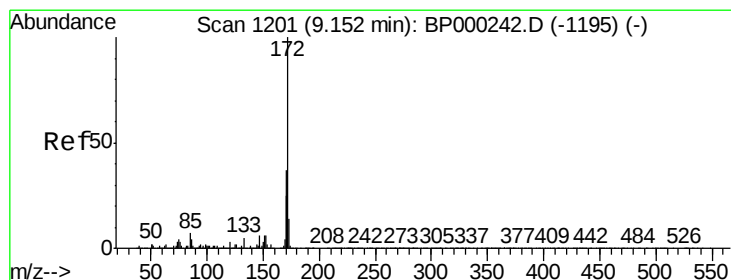
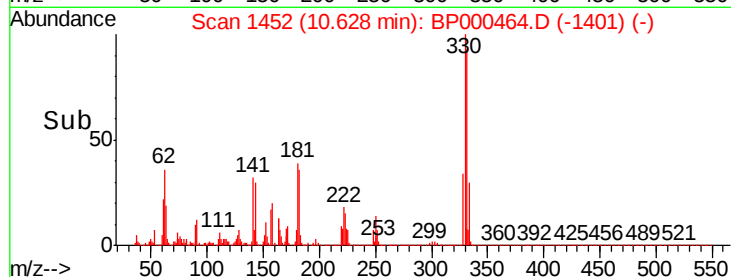
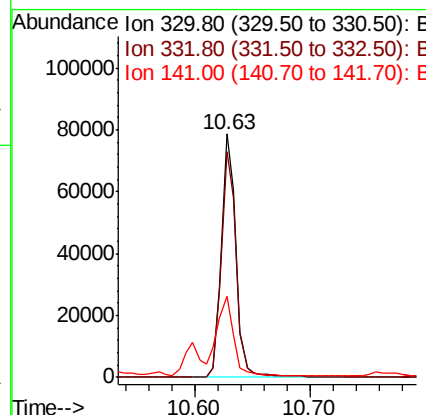
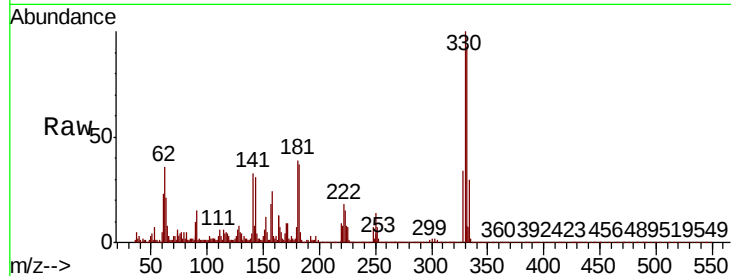




#42
 2,4,6-Tribromophenol
 Concen: 32.438 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

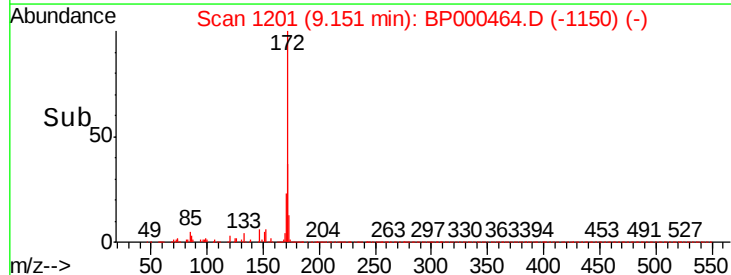
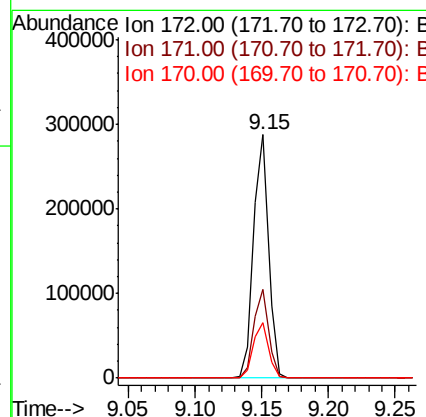
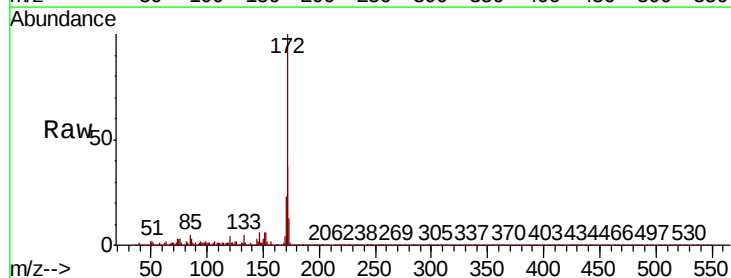
Instrument :
 BNA_P
 ClientSampleId :
 QNWP8-MW26S-GWDL

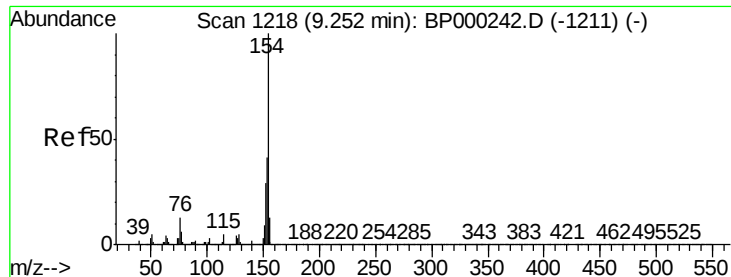
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	36.3	26.5	39.7



#45
 2-Fluorobiphenyl
 Concen: 18.643 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BP000464.D
 Acq: 27 Sep 2019 17:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	23.0	19.8	29.6

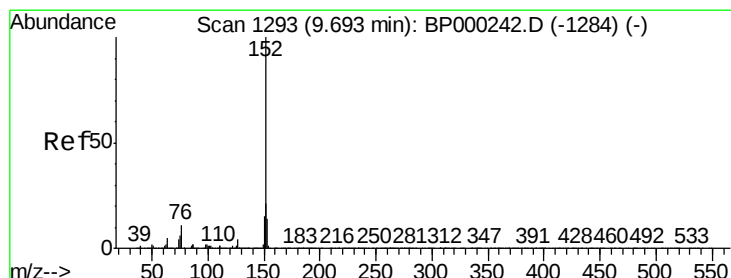
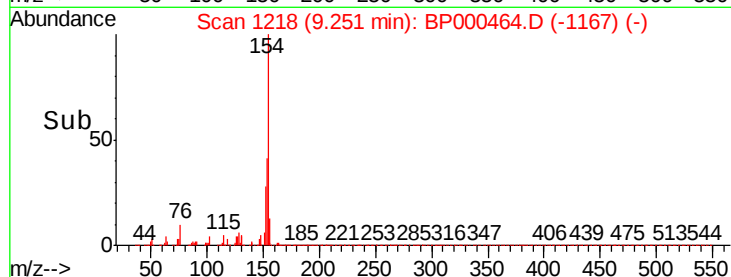
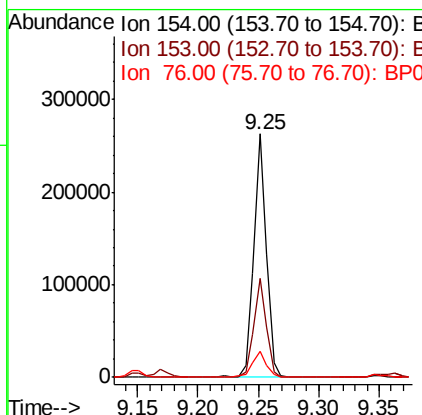
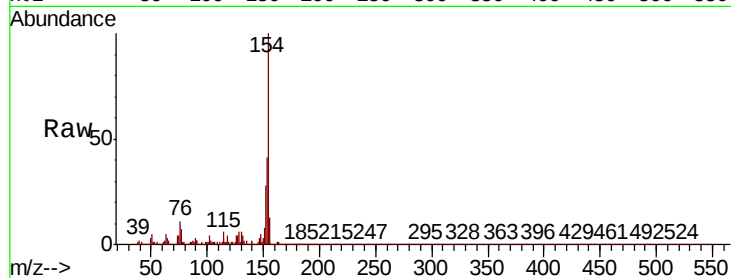




#46
1,1'-Biphenyl
Concen: 12.957 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

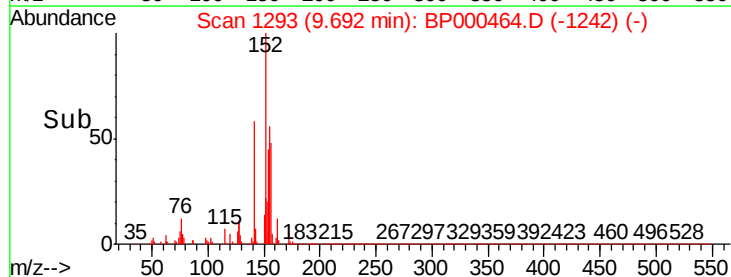
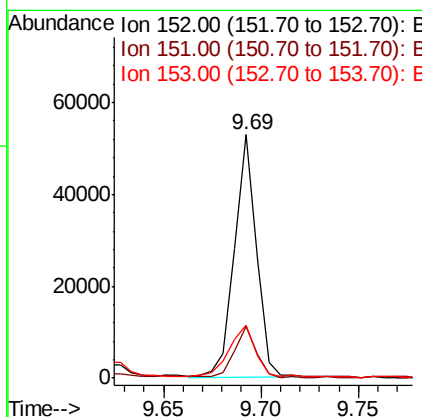
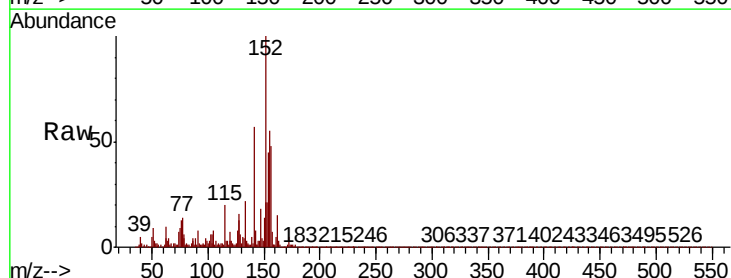
Instrument :
BNA_P
ClientSampleId :
QNWP8-MW26S-GWDL

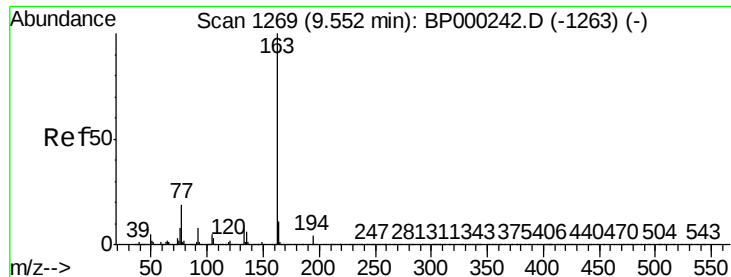
Tot Ion:	154	Resp:	191867
Ion Ratio	Lower	Upper	
154	100		
153	40.7	21.4	61.4
76	10.6	0.0	33.4



#49
Acenaphthylene
Concen: 2.220 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

Tgt Ion:	152	Resp:	41452
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.4	24.6
153	21.5	11.0	16.4#

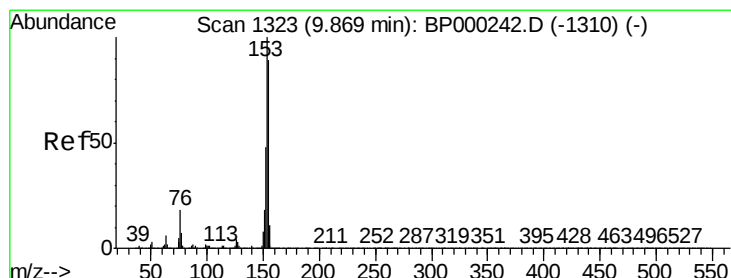
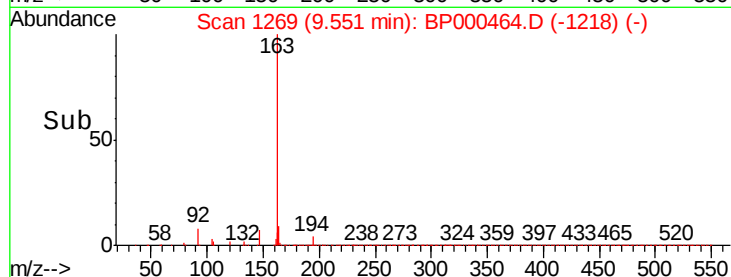
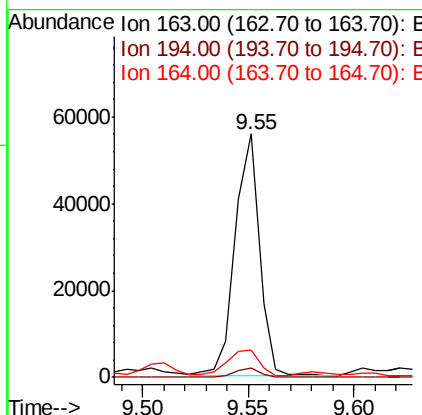
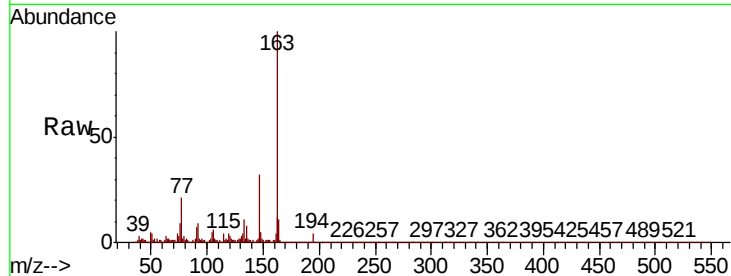




#50
Dimethylphthalate
Concen: 3.038 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

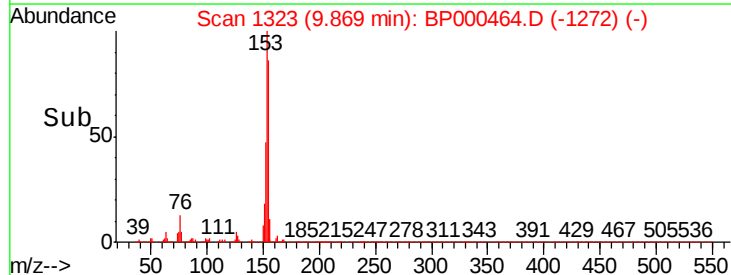
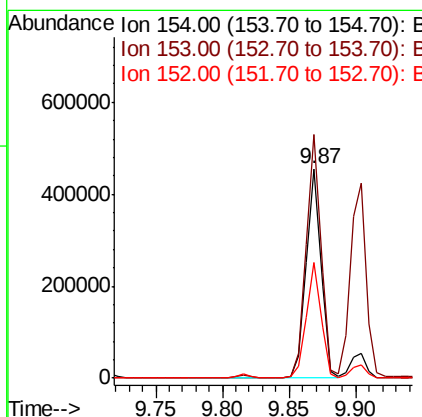
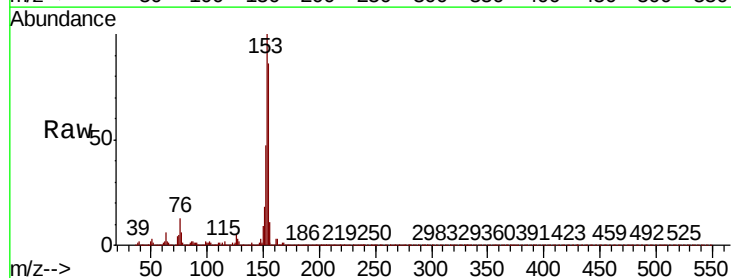
Instrument :
BNA_P
ClientSampleId :
QNWP8-MW26S-GWDL

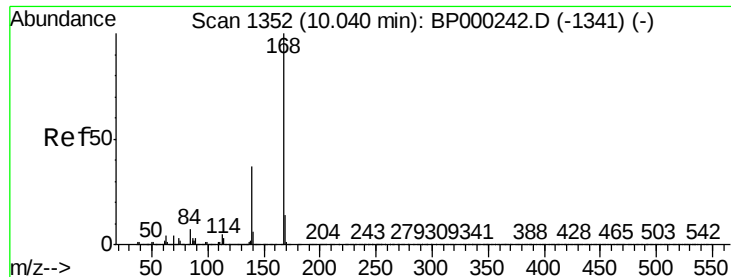
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	11.4	8.5	12.7



#52
Acenaphthene
Concen: 29.204 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BP000464.D
Acq: 27 Sep 2019 17:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.4	89.8	134.6
152	55.0	43.4	65.0





#55

Dibenzofuran

Concen: 24.391 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

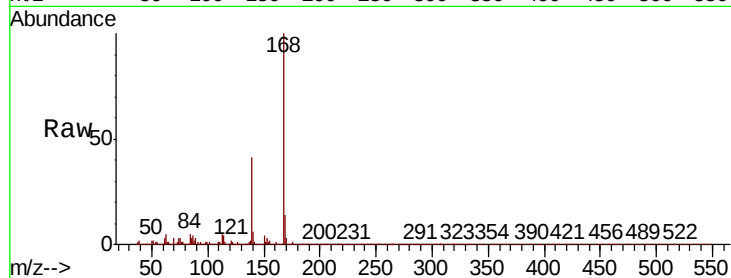
BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:168 Resp: 406280

Ion	Ratio	Lower	Upper
168	100		
139	40.9	30.0	45.0
169	14.0	11.0	16.6

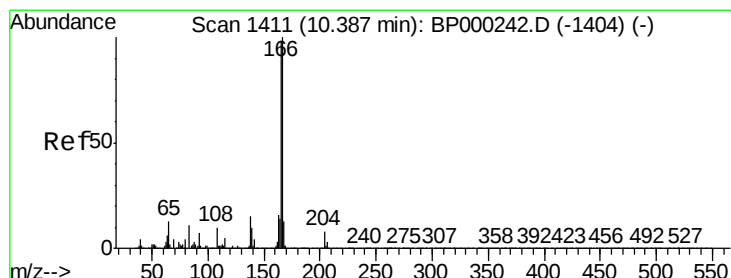
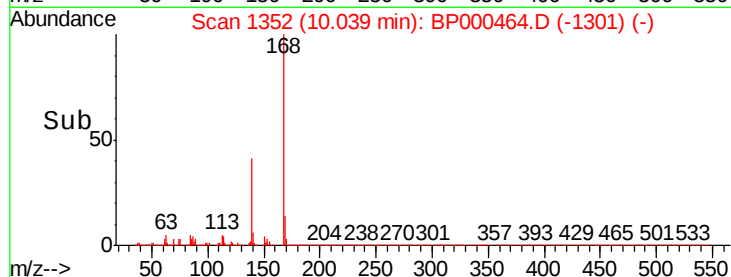
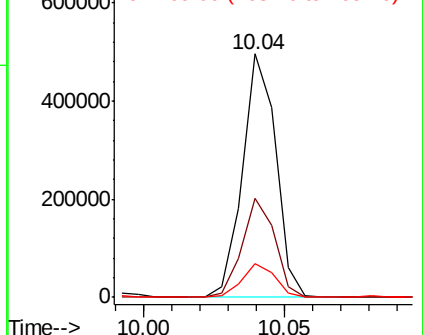


Abundance

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: 18.386 ng

RT: 10.39 min Scan# 1411

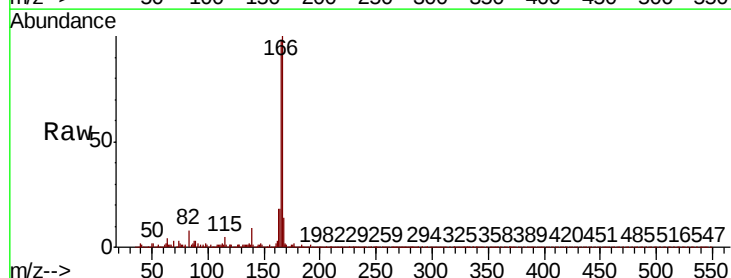
Delta R.T. -0.00 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Tgt Ion:166 Resp: 236550

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	14.0	10.7	16.1

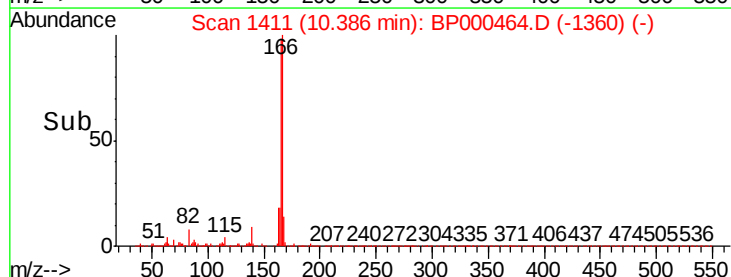
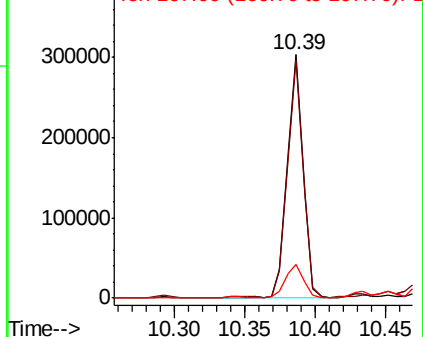


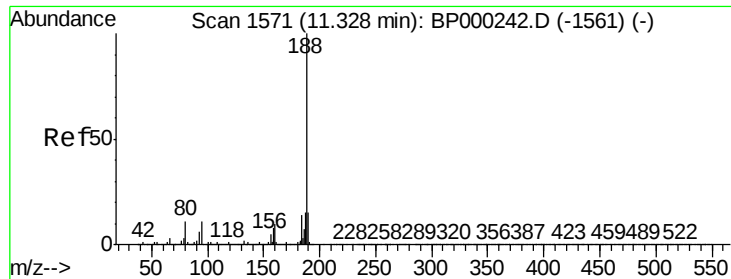
Abundance

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: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

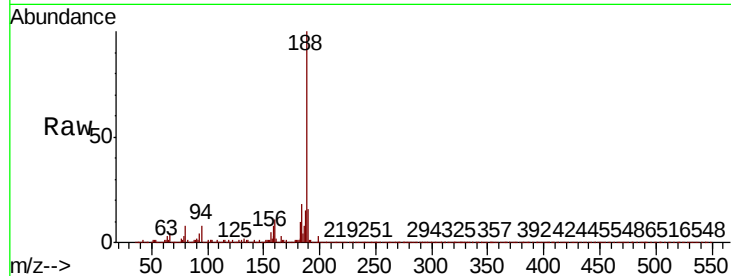
Tot Ion:188 Resp: 392961

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

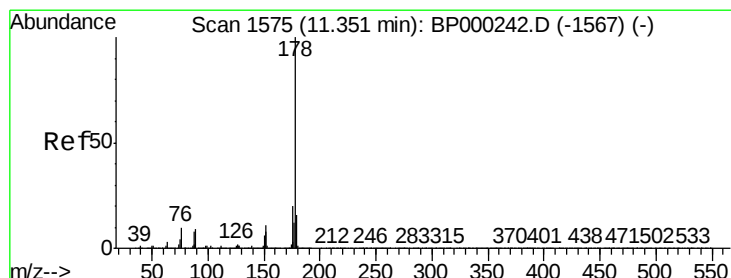
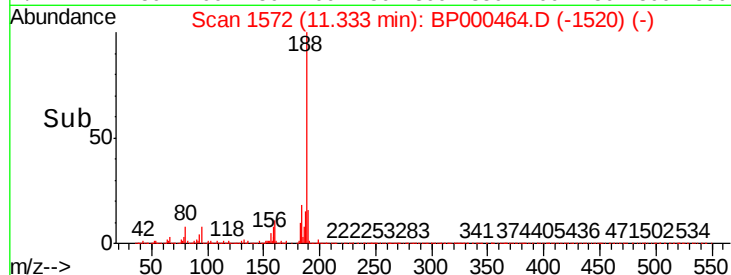
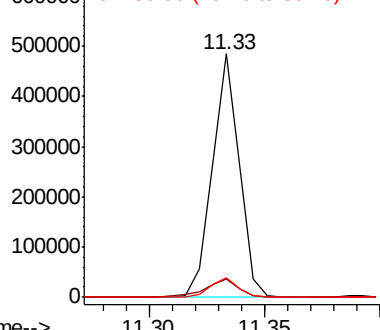
80 8.0 8.6 13.0#



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



#71

Phenanthrene

Concen: 19.521 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

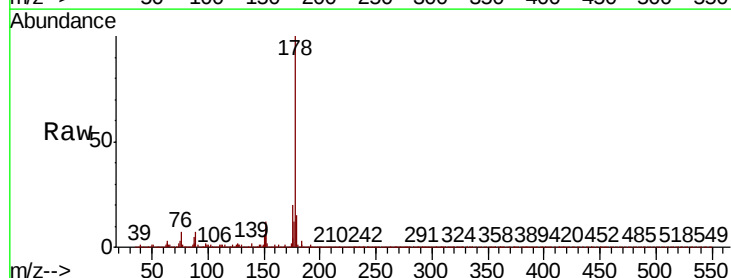
Tgt Ion:178 Resp: 384405

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

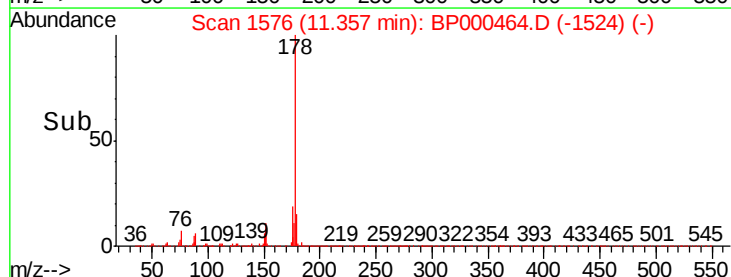
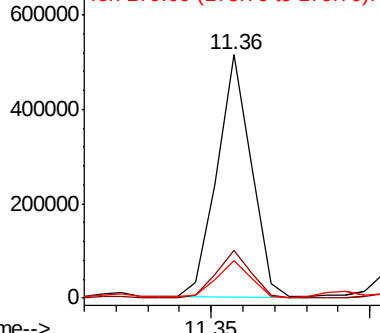
179 15.5 12.7 19.1

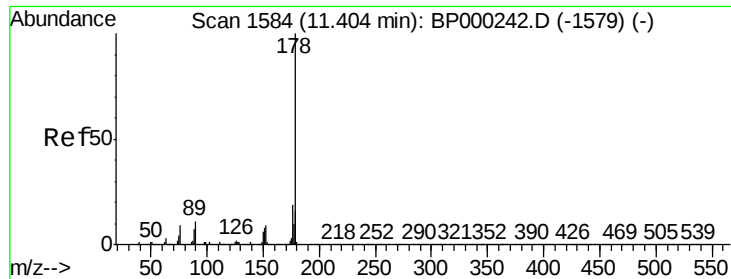


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.550 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

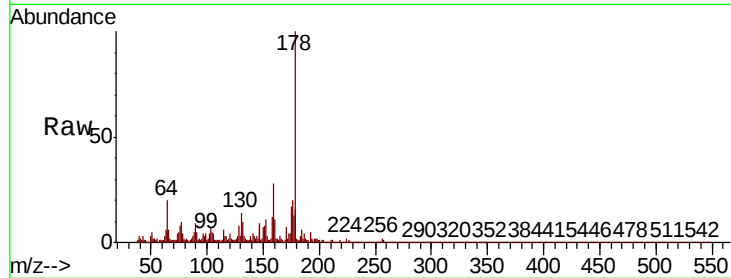
Tot Ion:178 Resp: 51685

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.0

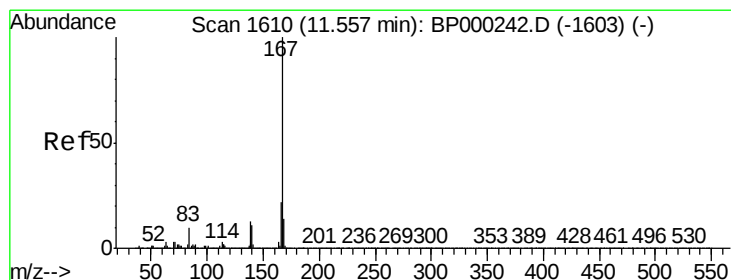
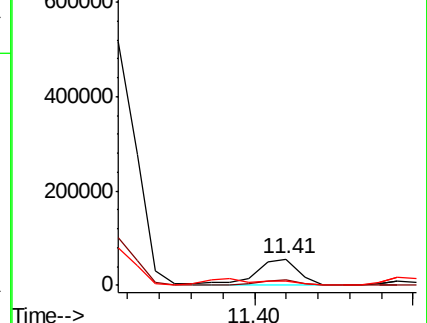
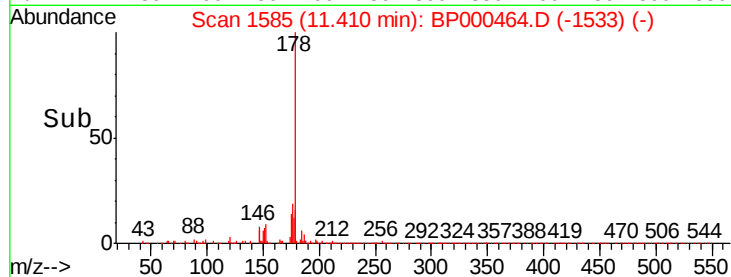
179 16.2 12.7 19.1



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



#73

Carbazole

Concen: 18.710 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

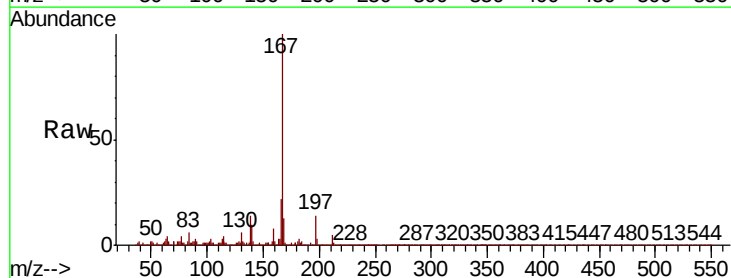
Tgt Ion:167 Resp: 341533

Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.8

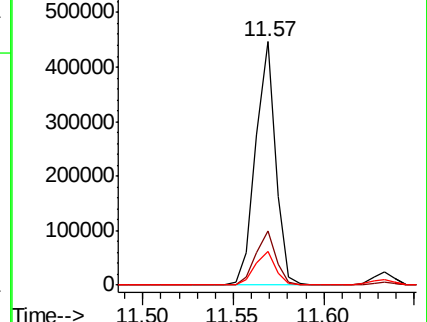
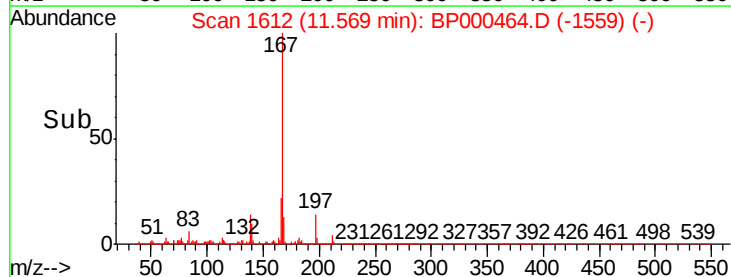
139 13.7 10.8 16.2

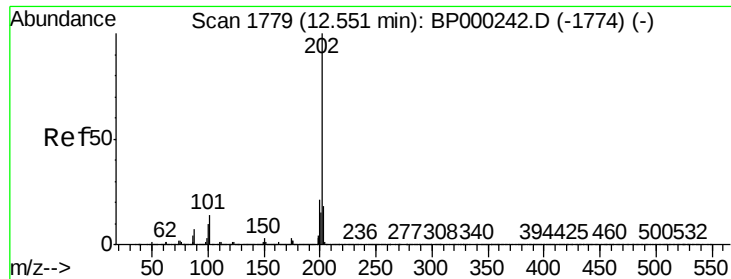


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 2.075 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

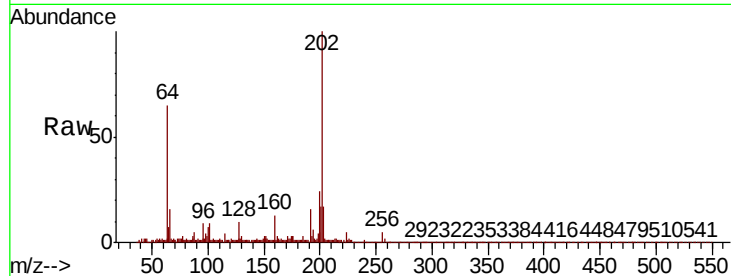
Tot Ion:202 Resp: 43871

Ion Ratio Lower Upper

202 100

101 8.8 0.0 33.9

203 17.0 0.0 38.0

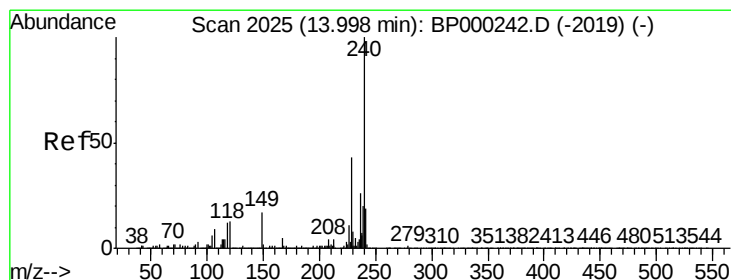
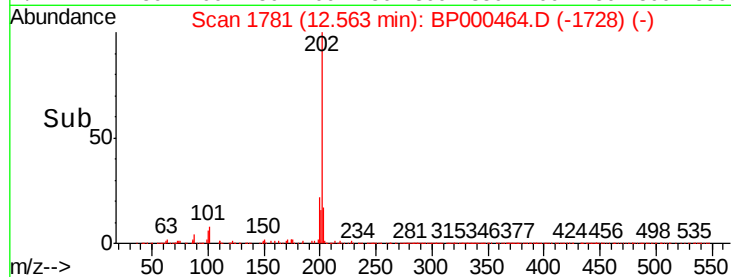
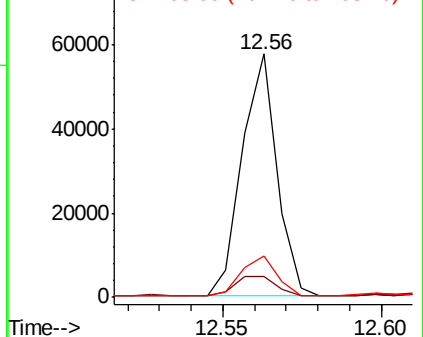


Abundance

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: BP000464.D

Acq: 27 Sep 2019 17:56

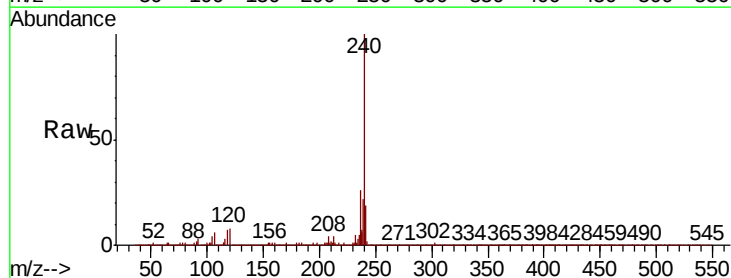
Tgt Ion:240 Resp: 386670

Ion Ratio Lower Upper

240 100

120 8.3 10.4 15.6#

236 26.3 21.0 31.6

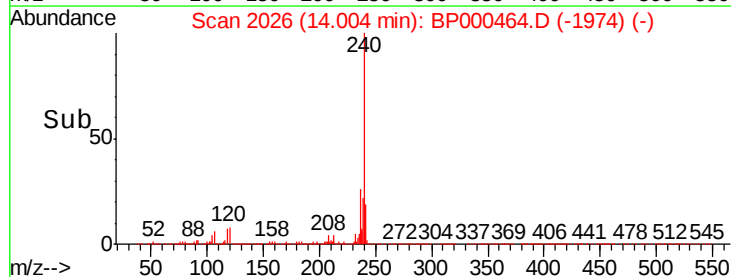
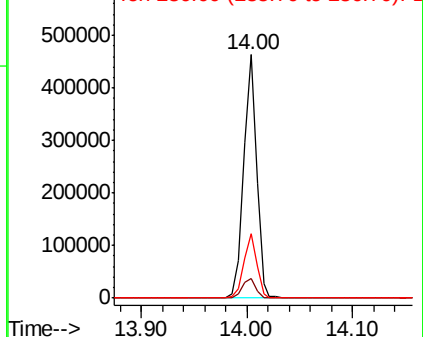


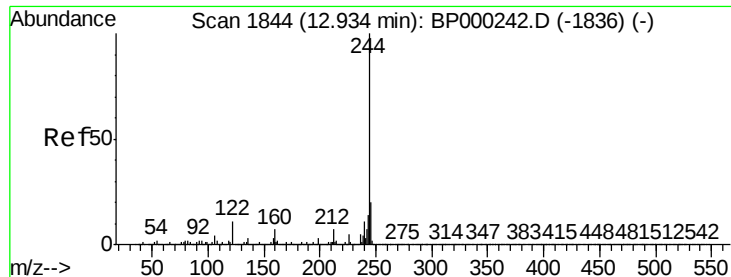
Abundance

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: 17.737 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

Instrument :

BNA_P

ClientSampleId :

QNWP8-MW26S-GWDL

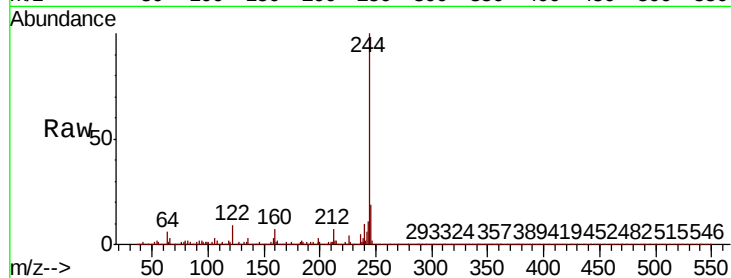
Tot Ion:244 Resp: 326921

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

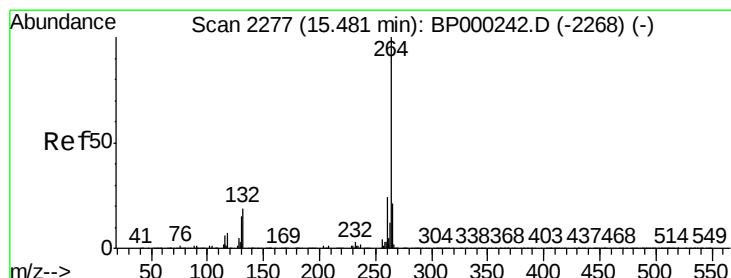
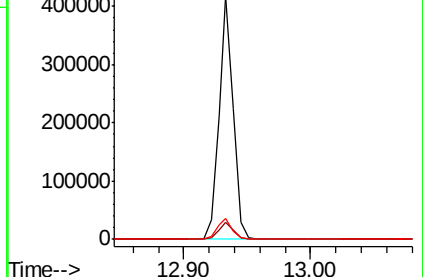
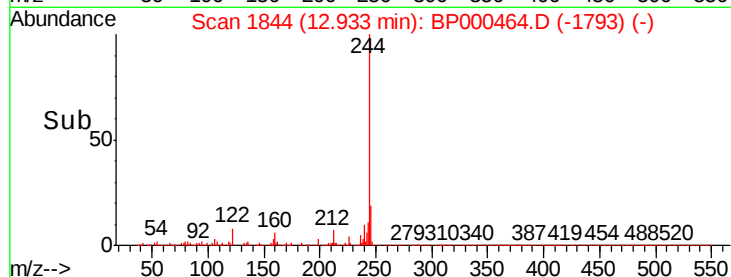
122 8.5 9.0 13.4#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BP000464.D

Acq: 27 Sep 2019 17:56

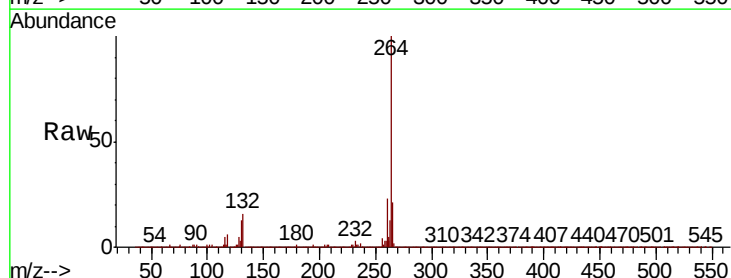
Tgt Ion:264 Resp: 736801

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.2 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

