

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000511.D
 Acq On : 04 Oct 2019 16:48
 Operator : JU
 Sample : K5095-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMPOSITE-5

Quant Time: Oct 05 00:02:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	190542	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	618776	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	413917	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	708285	20.00	ng	0.00
76) Chrysene-d12	13.98	240	410128	20.00	ng	0.00
87) Perylene-d12	15.46	264	482475	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	996802	84.09	ng	0.00
7) Phenol-d6	6.41	99	819680	57.38	ng	0.00
23) Nitrobenzene-d5	7.33	82	721287	71.19	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	600217	136.08	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1855449	72.53	ng	0.00
79) Terphenyl-d14	12.92	244	1772328	87.50	ng	0.00

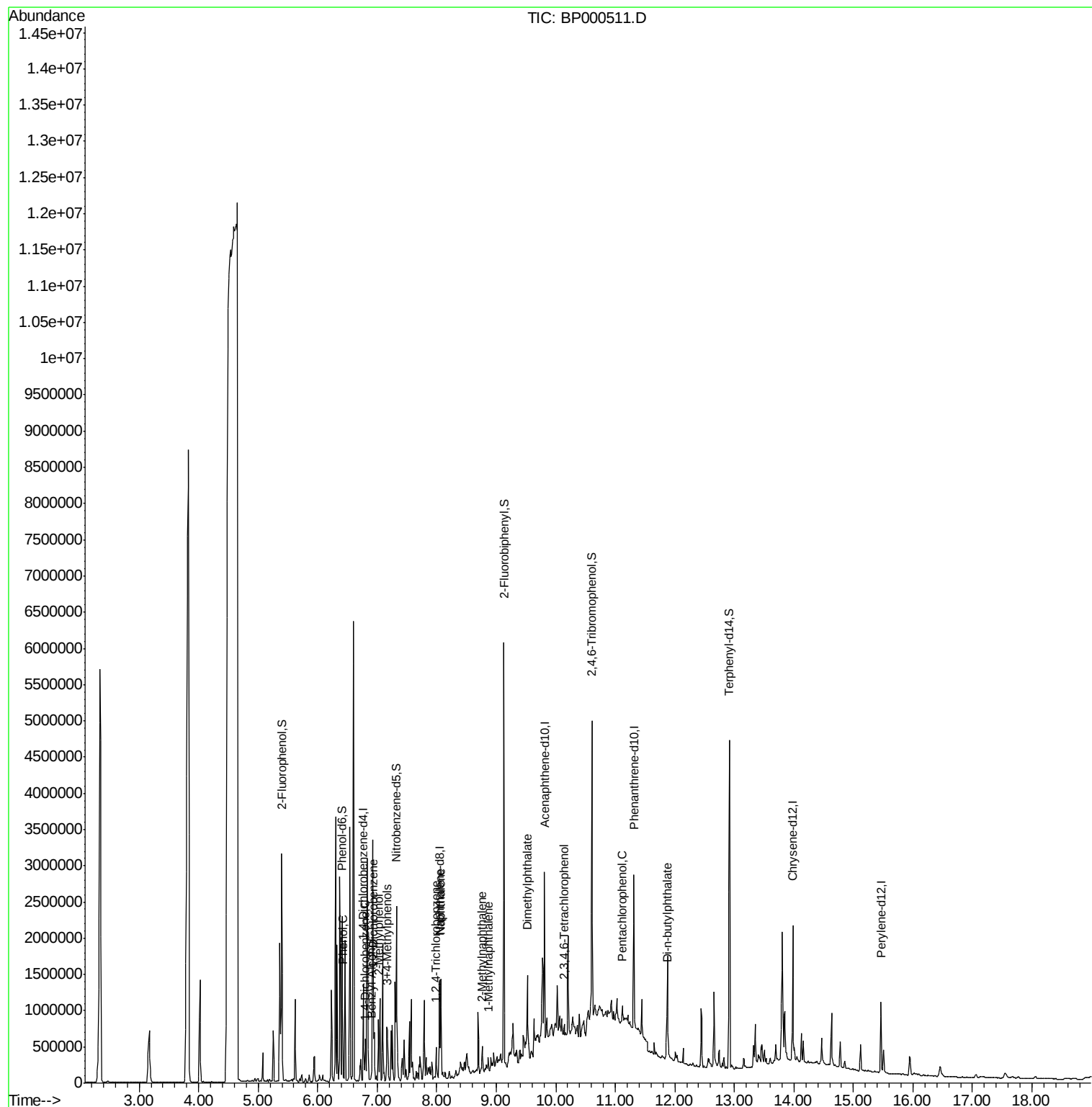
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	173061	11.833	ng	89
13) 1,4-Dichlorobenzene	6.79	146	45672	3.201	ng	97
14) 1,2-Dichlorobenzene	6.94	146	86234	6.545	ng	99
15) Benzyl Alcohol	6.90	79	41597	4.509	ng	97
17) 2-Methylphenol	7.02	107	69897	7.230	ng	# 86
20) 3+4-Methylphenols	7.17	107	157561	13.927	ng	# 60
30) 1,2,4-Trichlorobenzene	7.99	180	69541	6.648	ng	99
31) Naphthalene	8.07	128	381529	13.202	ng	100
37) 2-Methylnaphthalene	8.76	142	87361	4.503	ng	98
38) 1-Methylnaphthalene	8.86	142	51752	2.823	ng	99
50) Dimethylphthalate	9.53	163	383964	13.350	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.14	232	19023	2.703	ng	# 92
70) Pentachlorophenol	11.12	266	24353	6.692	ng	100
74) Di-n-butylphthalate	11.89	149	106241	2.667	ng	99

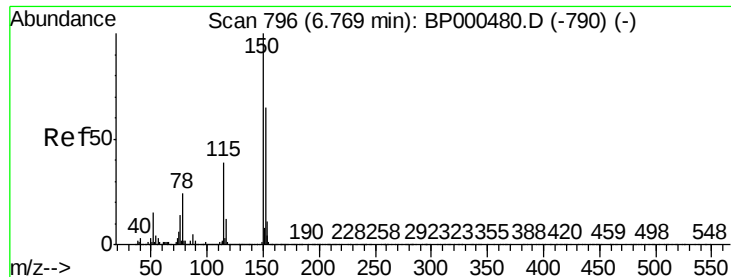
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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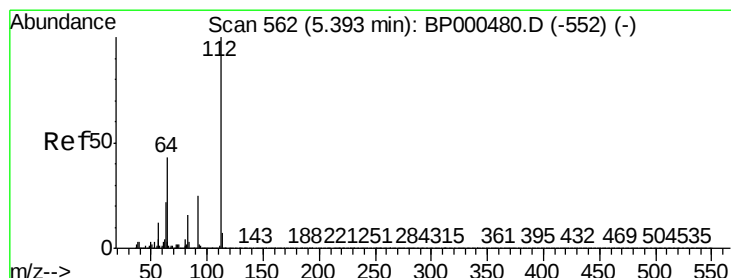
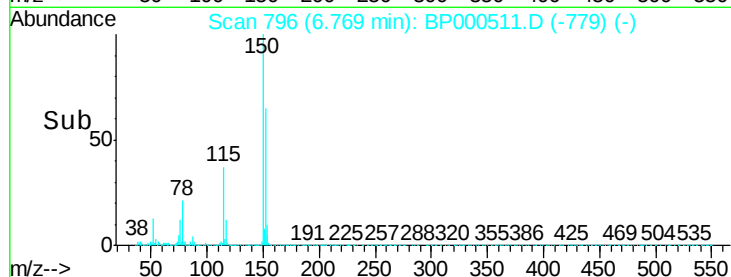
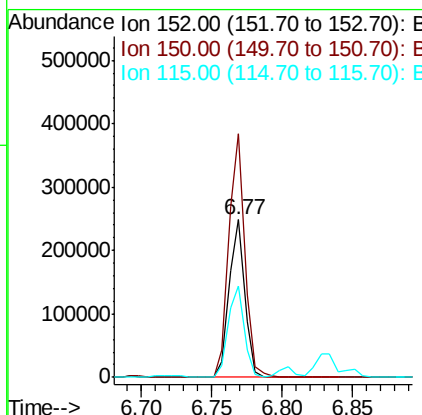
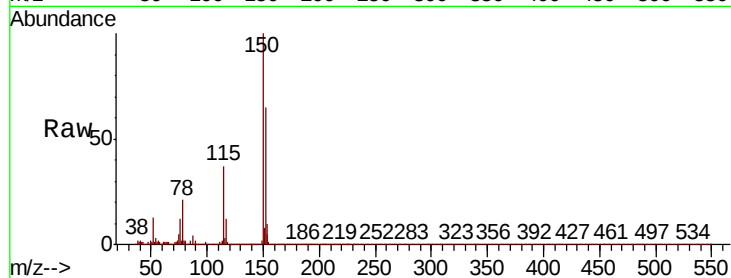


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Instrument :
BNA_P
ClientSampleId :
COMPOSITE-5

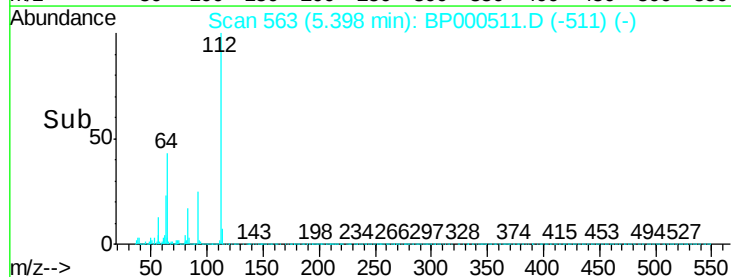
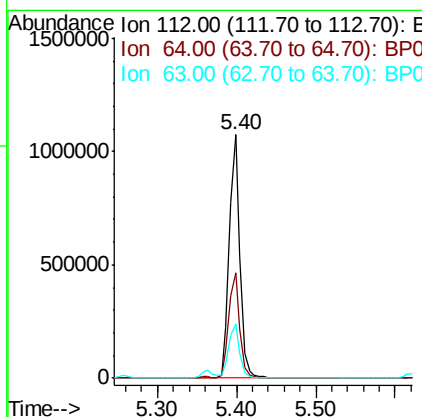
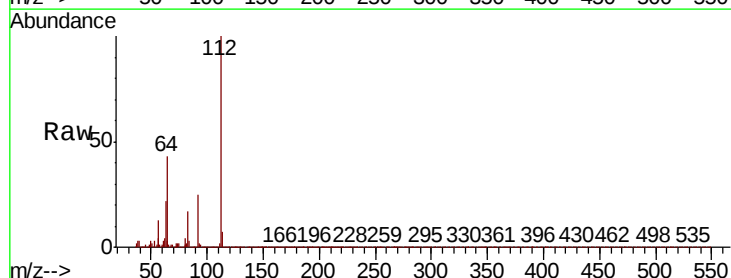
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.1	186.1
115	57.9	48.7	73.1

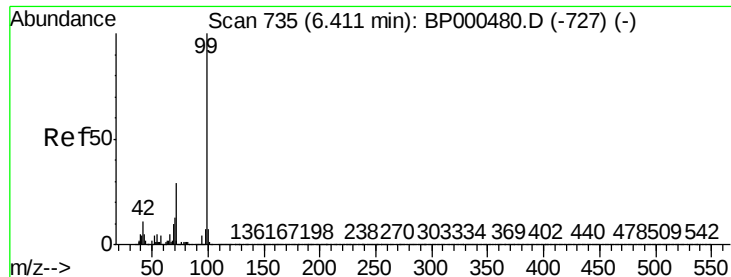


#5

2-Fluorophenol
Concen: 84.092 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.1	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 57.383 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

Instrument :

BNA_P

ClientSampleId :

COMPOSITE-5

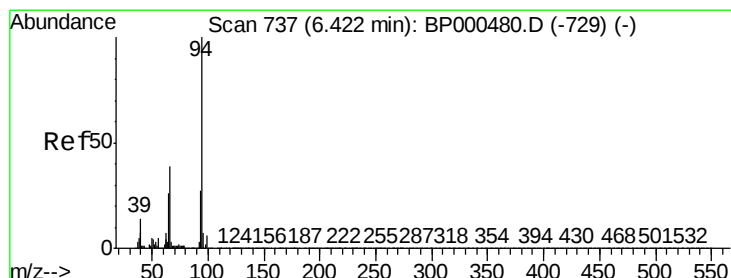
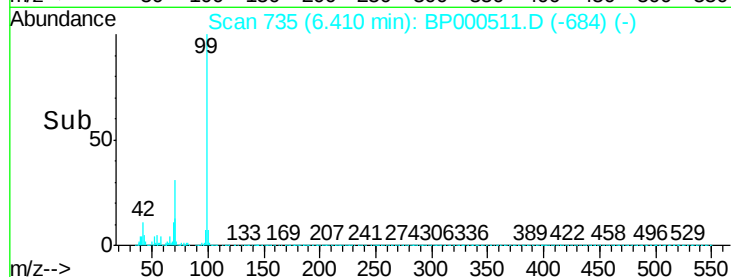
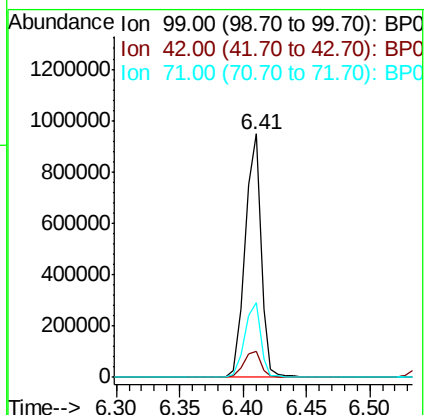
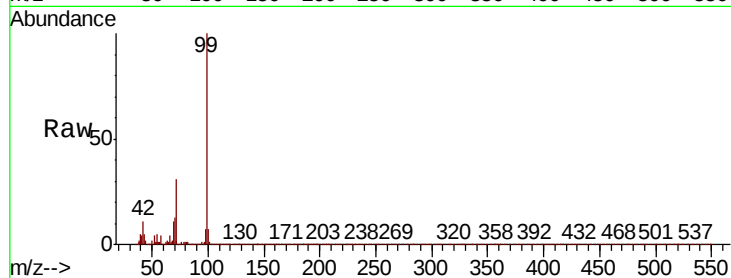
Tot Ion: 99 Resp: 819680

Ion Ratio Lower Upper

99 100

42 10.9 8.6 12.8

71 30.9 23.0 34.4



#10

Phenol

Concen: 11.833 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

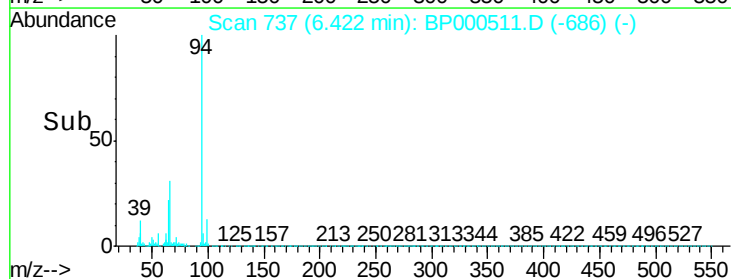
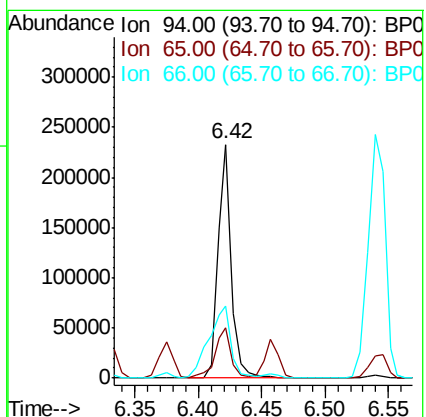
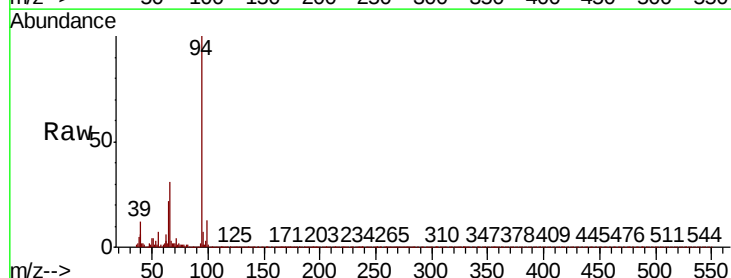
Tgt Ion: 94 Resp: 173061

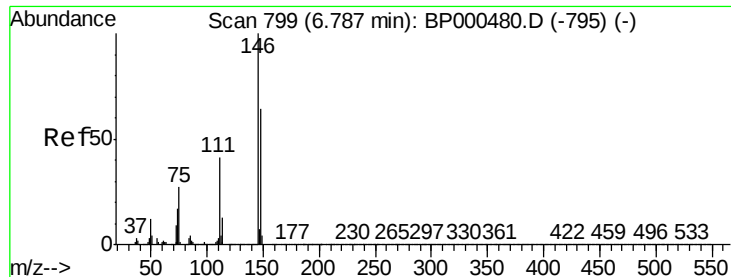
Ion Ratio Lower Upper

94 100

65 21.7 5.9 45.9

66 31.0 18.8 58.8

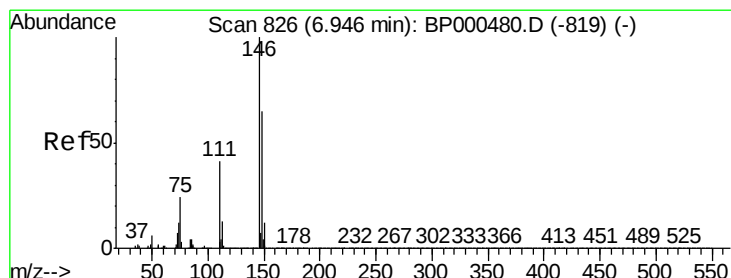
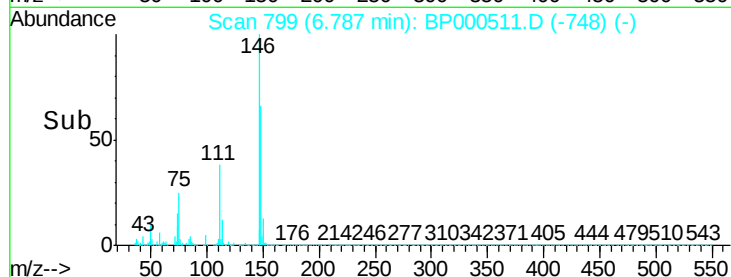
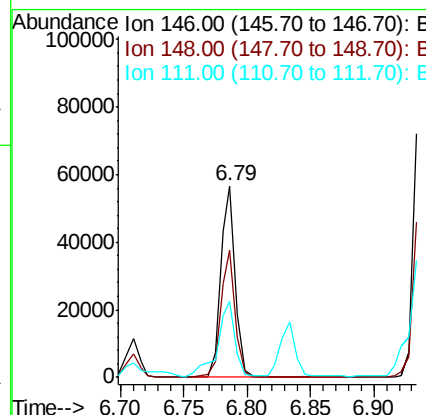
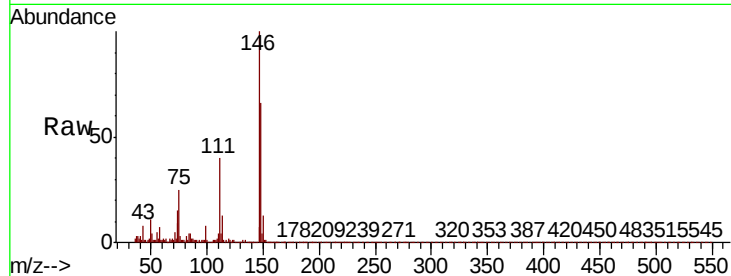




#13
 1,4-Dichlorobenzene
 Concen: 3.201 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BP000511.D
 Acq: 04 Oct 2019 16:48

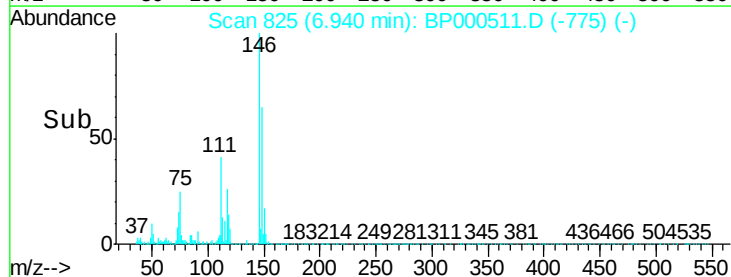
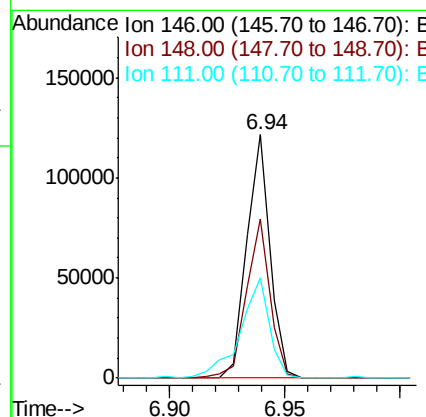
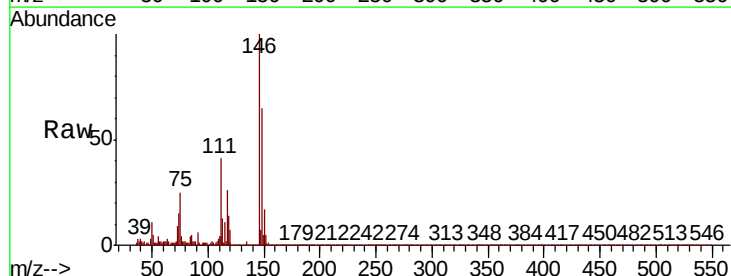
Instrument :
 BNA_P
 ClientSampleId :
 COMPOSITE-5

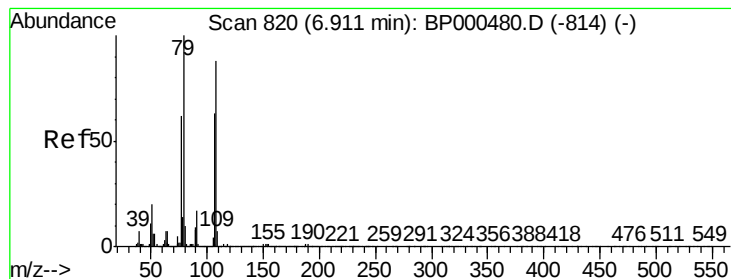
Tot Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.1	76.7
111	39.9	33.0	49.4



#14
 1,2-Dichlorobenzene
 Concen: 6.545 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BP000511.D
 Acq: 04 Oct 2019 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.6
111	41.3	32.8	49.2





#15

Benzyl Alcohol

Concen: 4.509 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.01 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

Instrument :

BNA_P

ClientSampleId :

COMPOSITE-5

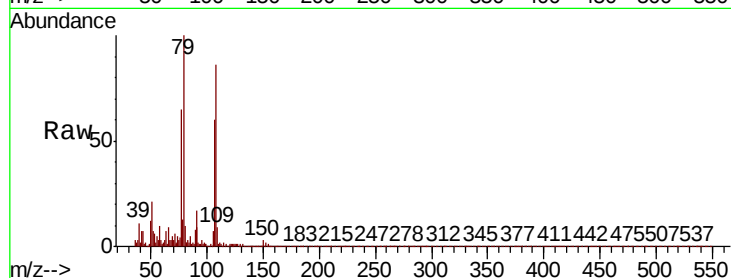
Tot Ion: 79 Resp: 41597

Ion Ratio Lower Upper

79 100

108 86.4 70.8 106.2

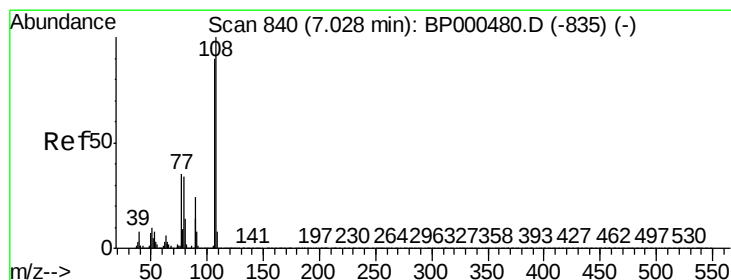
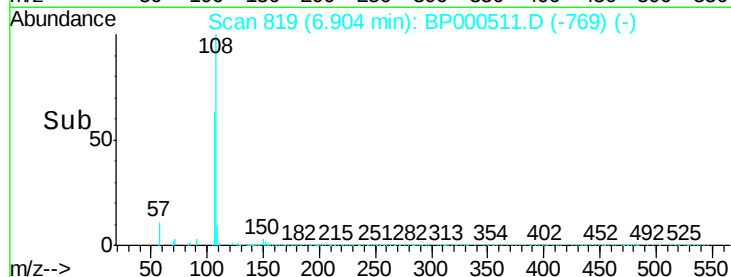
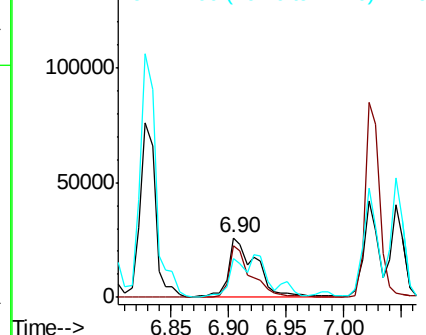
77 65.0 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0



#17

2-Methylphenol

Concen: 7.230 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

Tgt Ion: 107 Resp: 69897

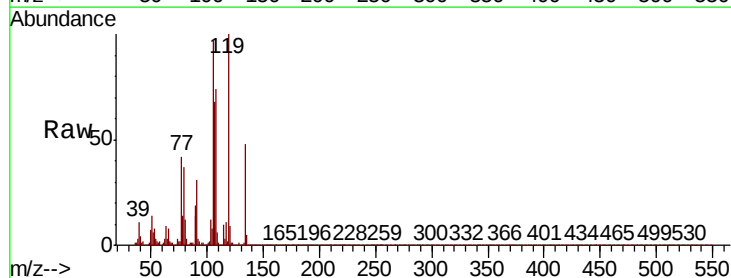
Ion Ratio Lower Upper

107 100

108 109.5 89.0 133.4

77 61.6 31.2 46.8#

79 54.1 30.7 46.1#

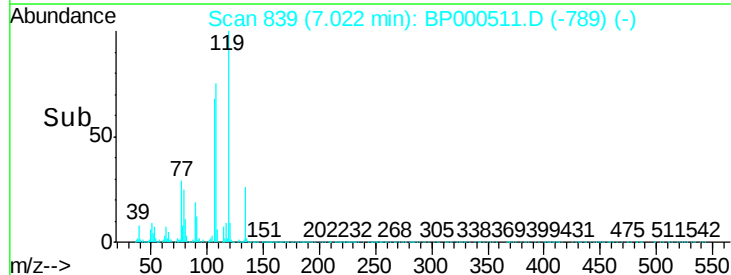
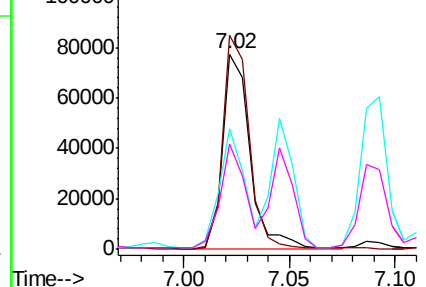


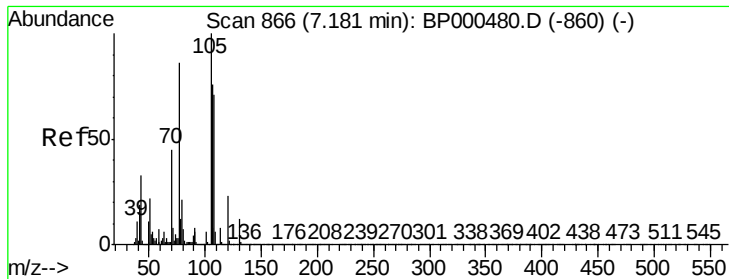
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0

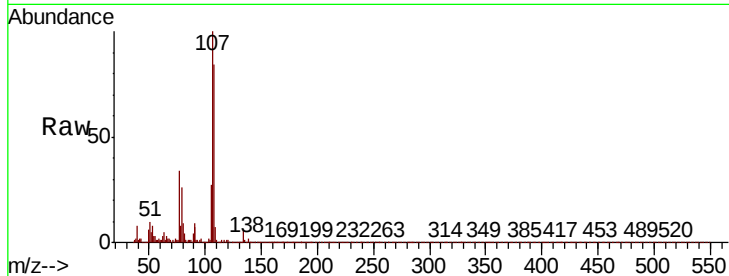




#20
3+4-Methylphenols
Concen: 13.927 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Instrument :
BNA_P
ClientSampleId :
COMPOSITE-5

Tot Ion:	107	Resp:	157561
Ion	Ratio	Lower	Upper
107	100		
108	84.0	72.6	112.6
77	34.2	93.3	133.3#
79	25.7	7.1	47.1



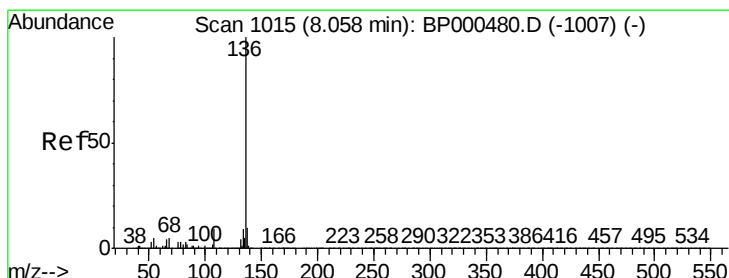
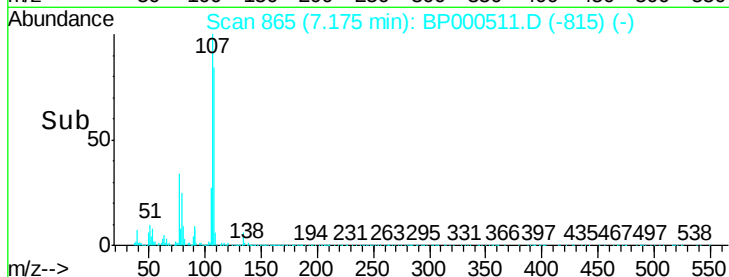
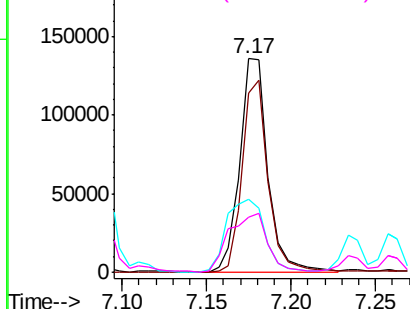
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

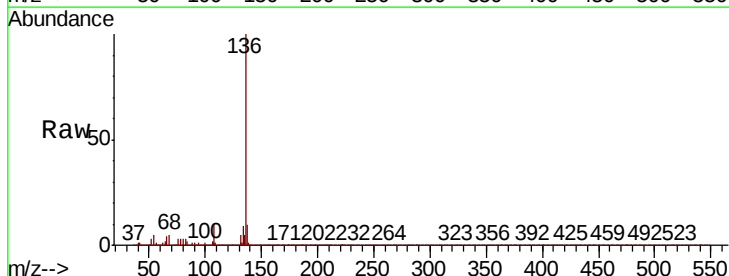
Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion:	136	Resp:	618776
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.4
54	4.8	4.1	6.1
68	4.6	4.1	6.1



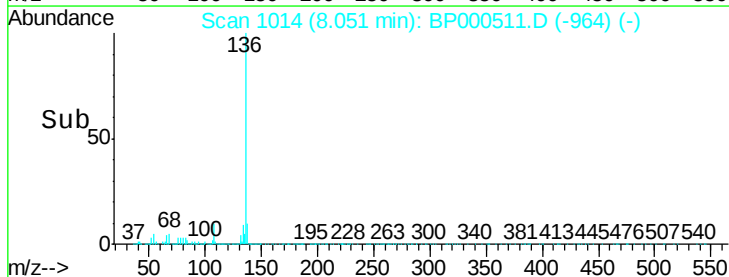
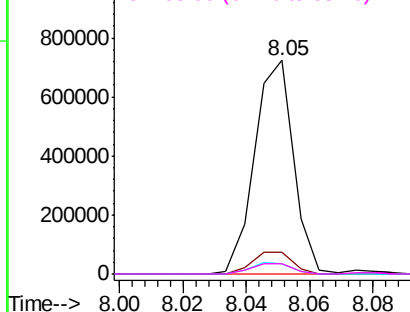
Abundance

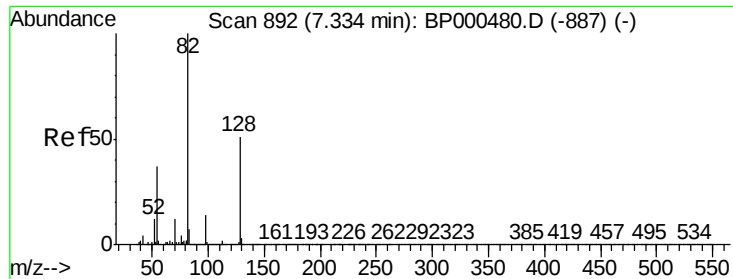
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

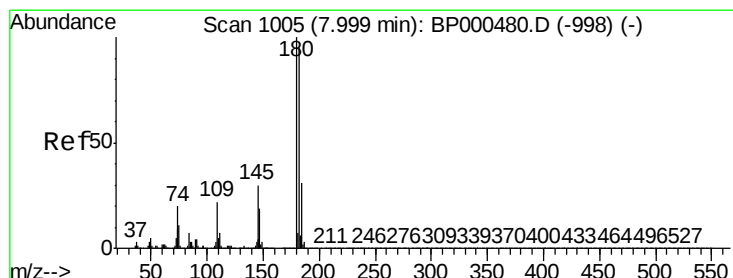
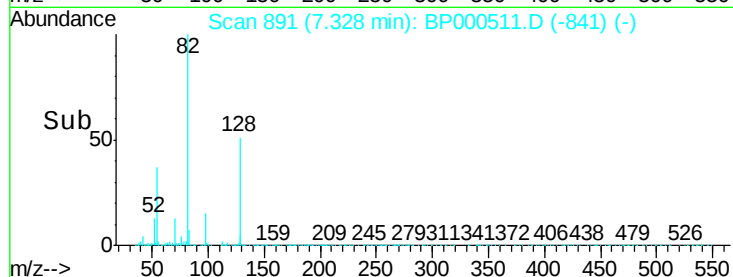
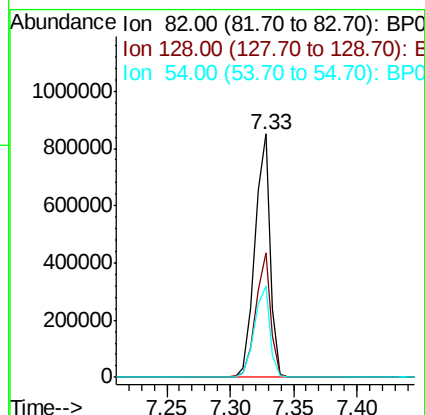
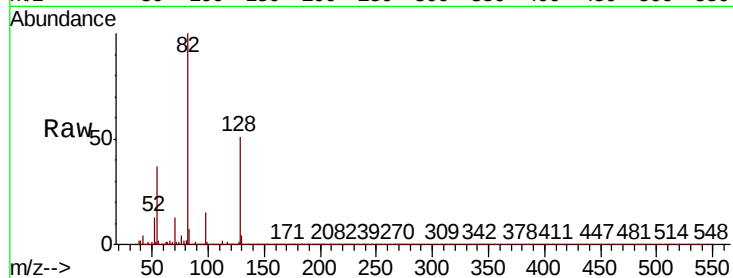




#23
Nitrobenzene-d5
Concen: 71.194 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

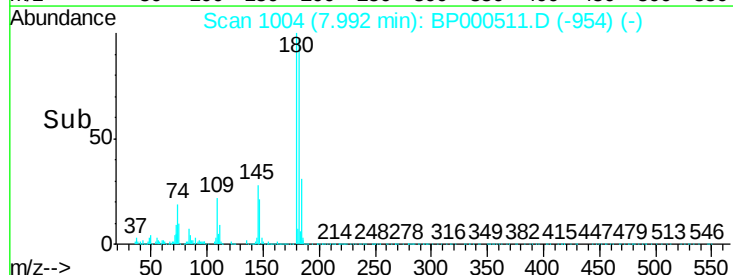
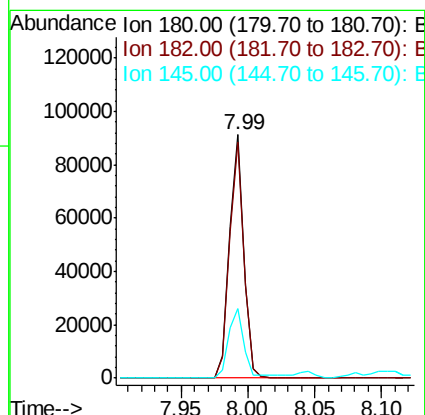
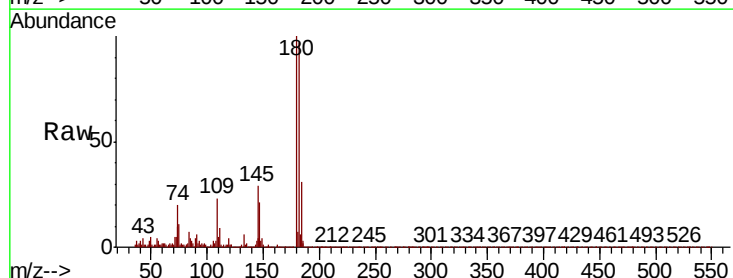
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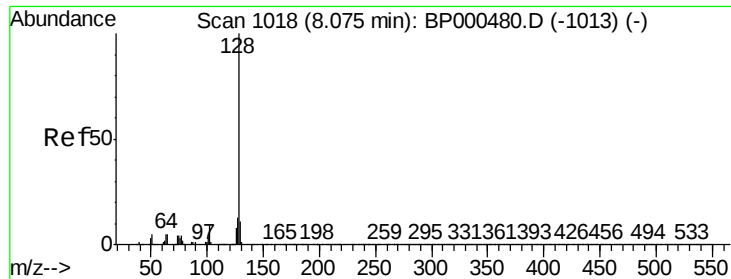
Tot Ion	82	Resp	721287
Ion Ratio	Lower	Upper	
82	100		
128	51.0	40.9	61.3
54	37.5	29.4	44.2



#30
1,2,4-Trichlorobenzene
Concen: 6.648 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion	180	Resp	69541
Ion Ratio	Lower	Upper	
180	100		
182	96.7	76.2	114.4
145	28.7	23.6	35.4

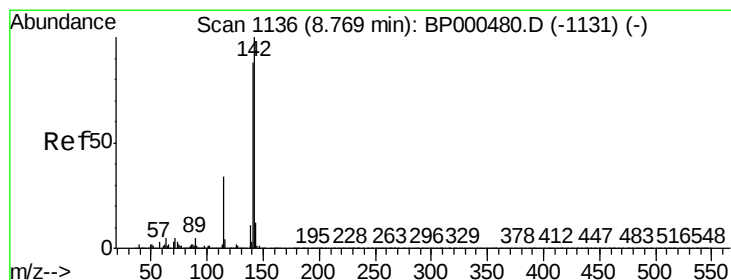
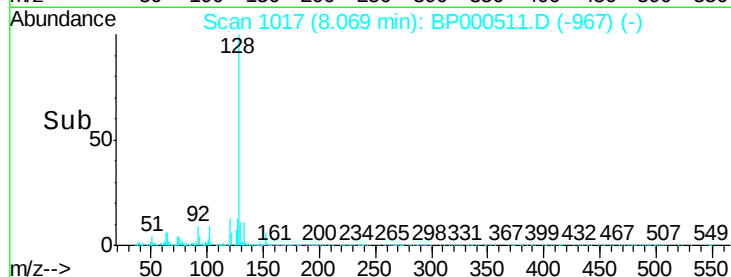
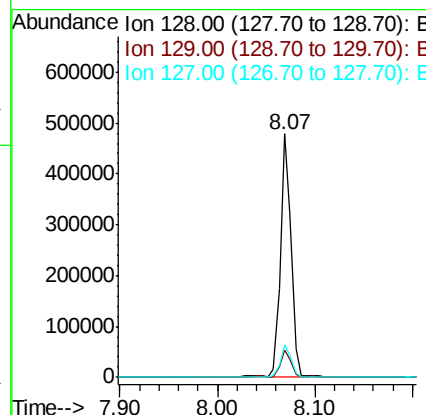
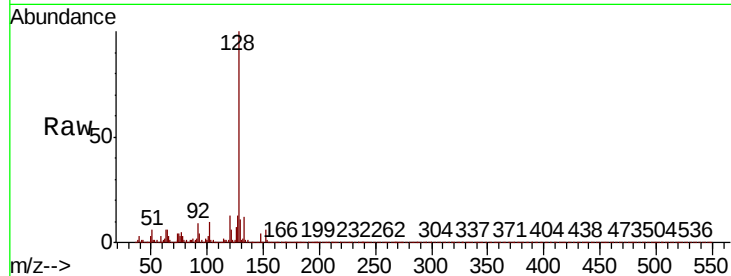




#31
Naphthalene
Concen: 13.202 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

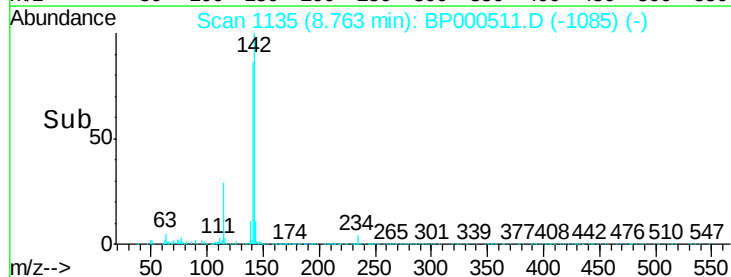
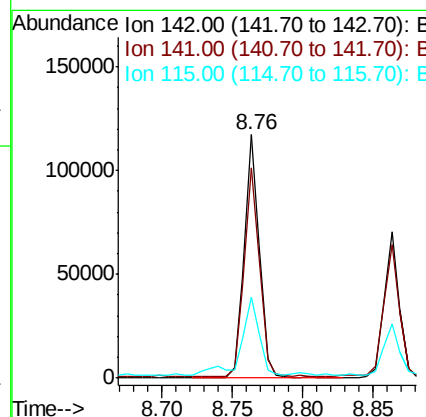
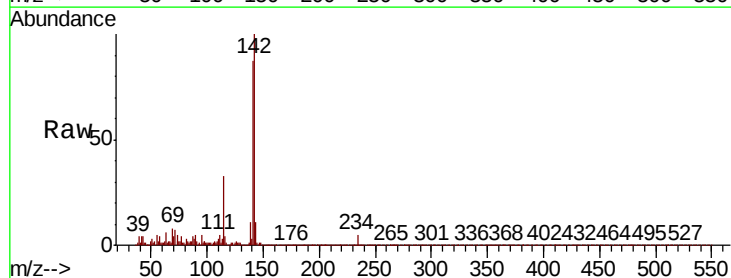
Instrument :
BNA_P
ClientSampleId :
COMPOSITE-5

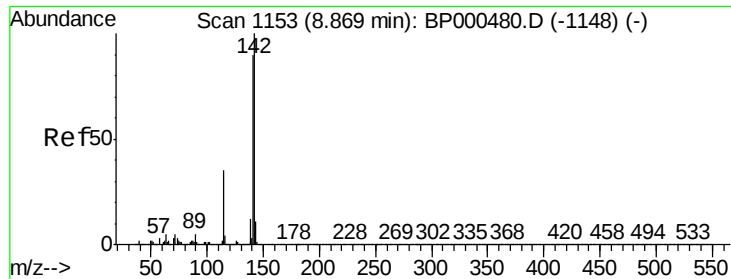
Tot Ion:128	Resp:	381529
Ion	Ratio	Lower Upper
128	100	
129	11.3	9.0 13.6
127	13.4	10.5 15.7



#37
2-Methylnaphthalene
Concen: 4.503 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion:142	Resp:	87361
Ion	Ratio	Lower Upper
142	100	
141	86.6	70.6 106.0
115	33.3	27.4 41.0

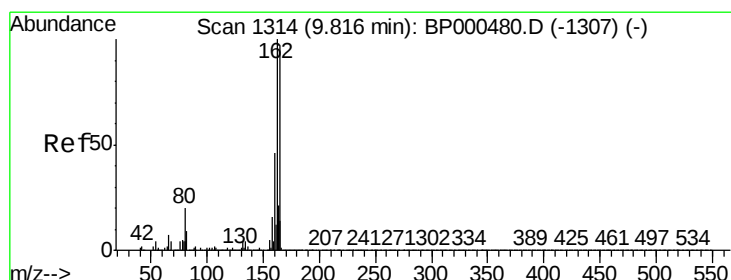
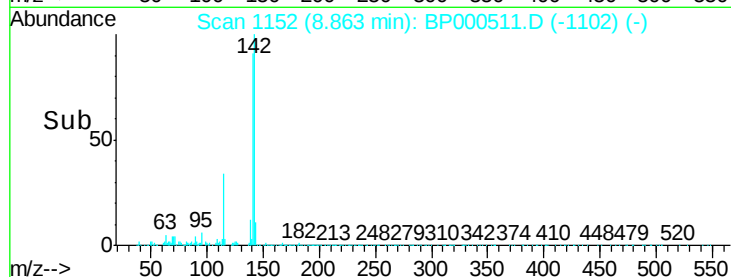
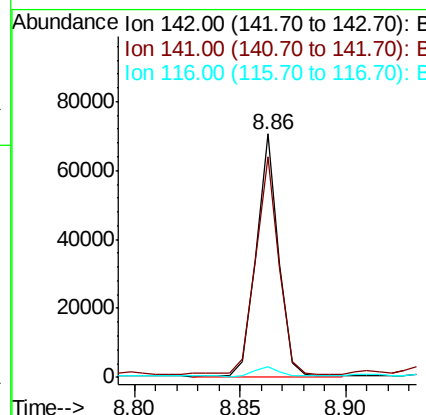
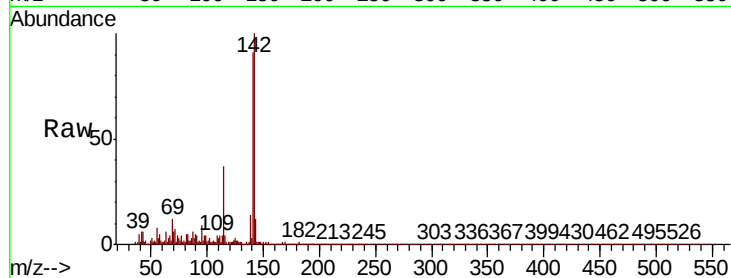




#38
1-Methylnaphthalene
Concen: 2.823 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

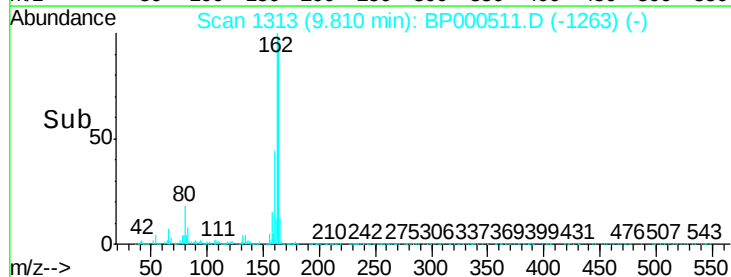
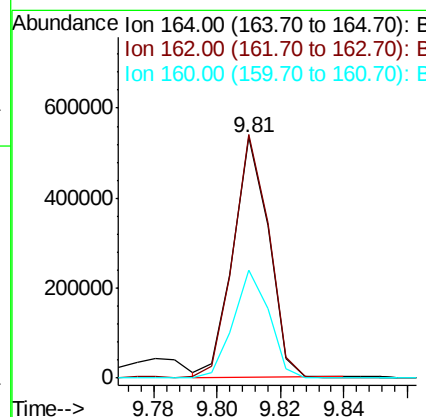
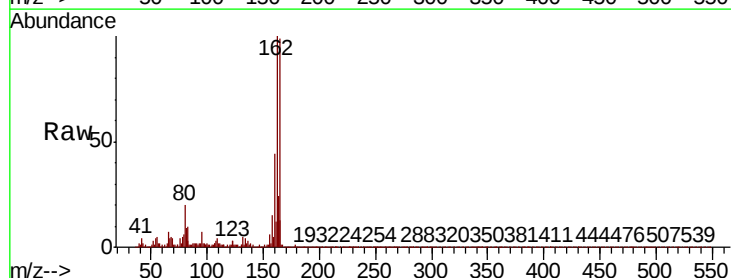
Instrument :
BNA_P
ClientSampleId :
COMPOSITE-5

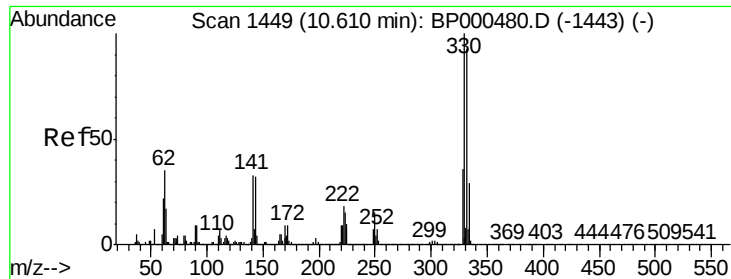
Tot Ion:142 Resp: 51752
Ion Ratio Lower Upper
142 100
141 90.9 71.9 107.9
116 4.3 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion:164 Resp: 413917
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 44.7 37.6 56.4

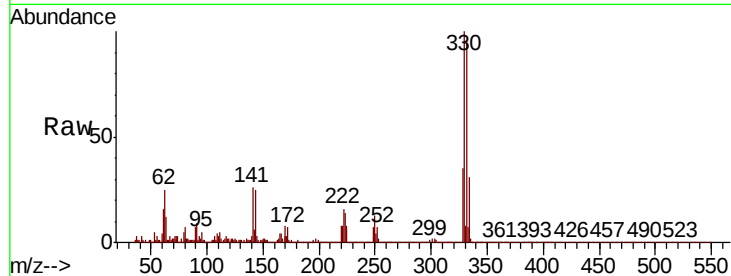




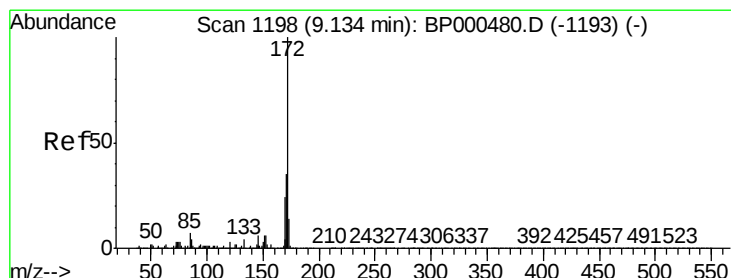
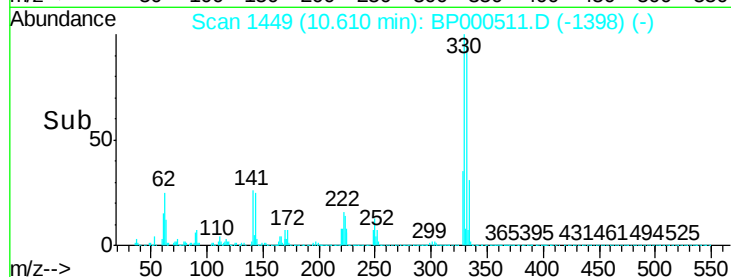
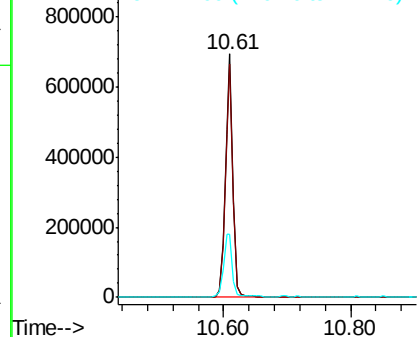
#42
2,4,6-Tribromophenol
Concen: 136.080 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Instrument :
BNA_P
ClientSampleId :
COMPOSITE-5

Tot Ion:330 Resp: 600217
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 30.1 26.0 39.0

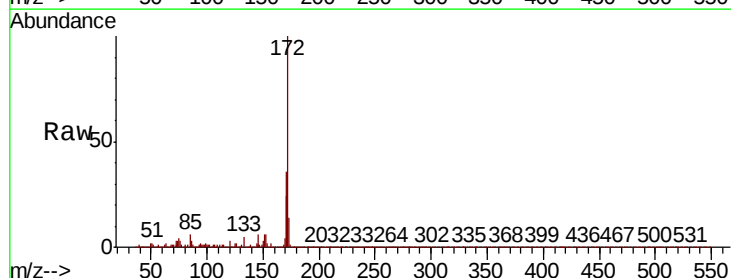


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

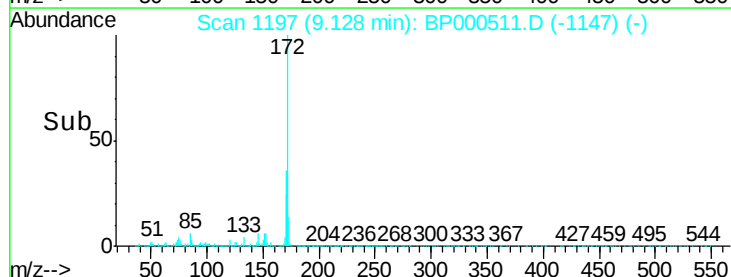
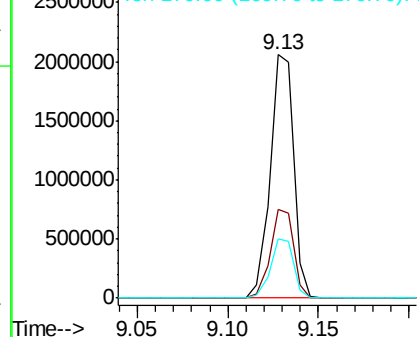


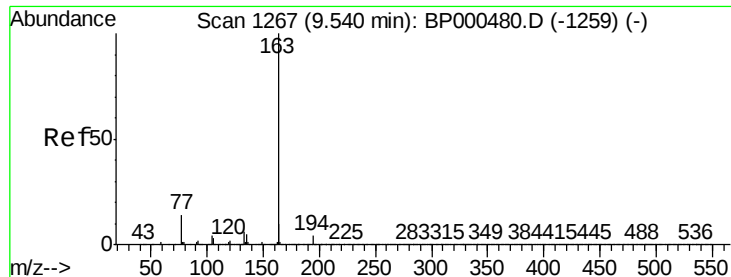
#45
2-Fluorobiphenyl
Concen: 72.529 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion:172 Resp: 1855449
Ion Ratio Lower Upper
172 100
171 36.5 28.4 42.6
170 24.2 19.1 28.7



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

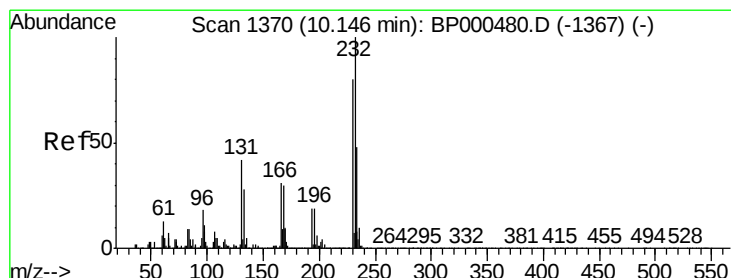
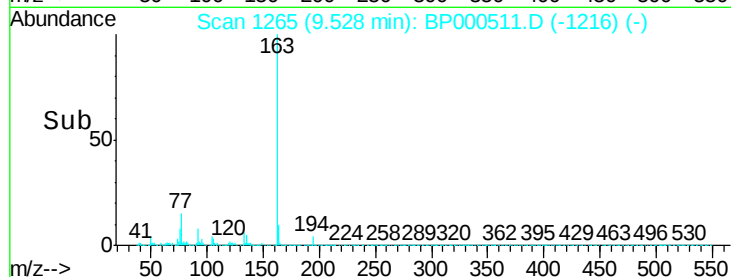
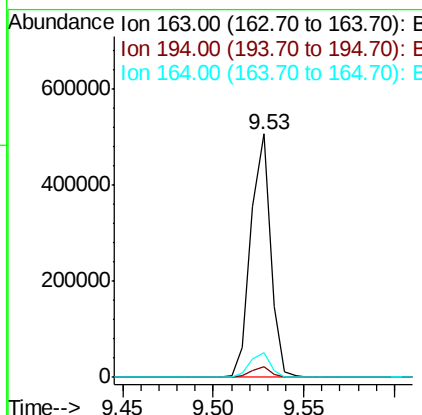
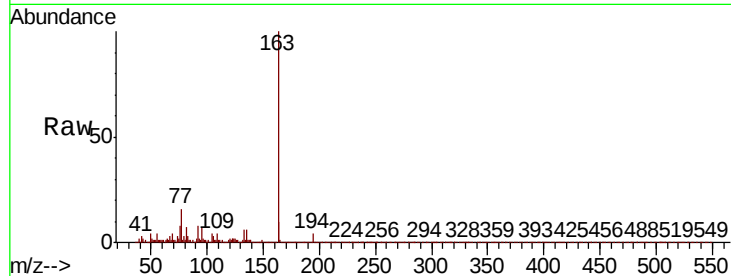




#50
Dimethylphthalate
Concen: 13.350 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

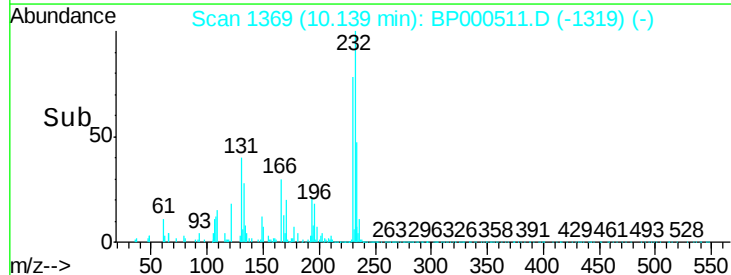
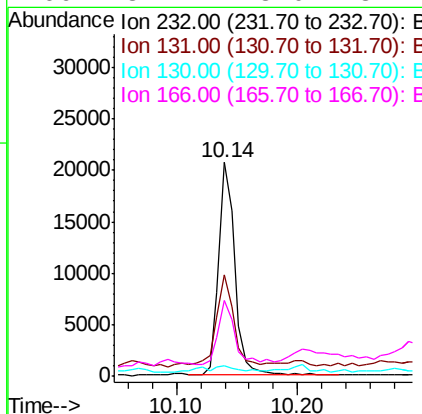
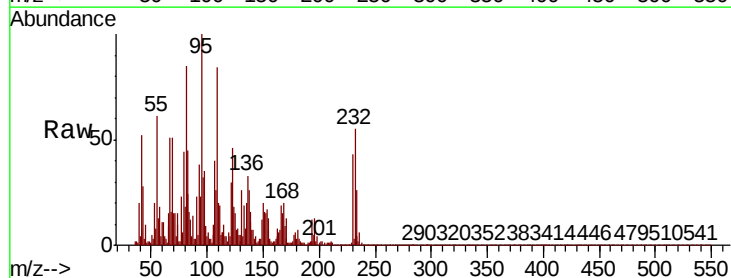
Instrument :
BNA_P
ClientSampleId :
COMPOSITE-5

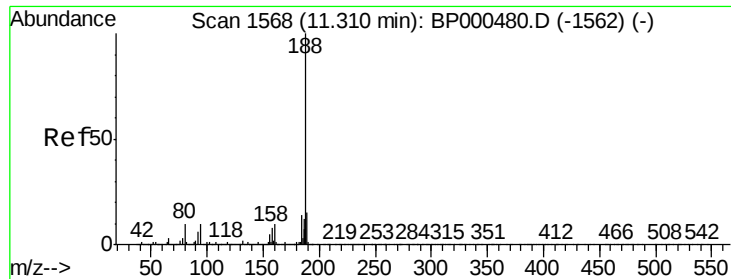
Tot Ion:163 Resp: 383964
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.1 8.0 12.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.703 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BP000511.D
Acq: 04 Oct 2019 16:48

Tgt Ion:232 Resp: 19023
Ion Ratio Lower Upper
232 100
131 46.8 32.1 48.1
130 3.6 1.6 2.4#
166 31.2 23.0 34.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

Instrument :

BNA_P

ClientSampleId :

COMPOSITE-5

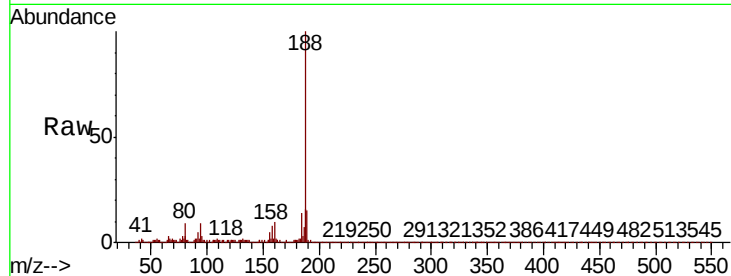
Tot Ion:188 Resp: 708285

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

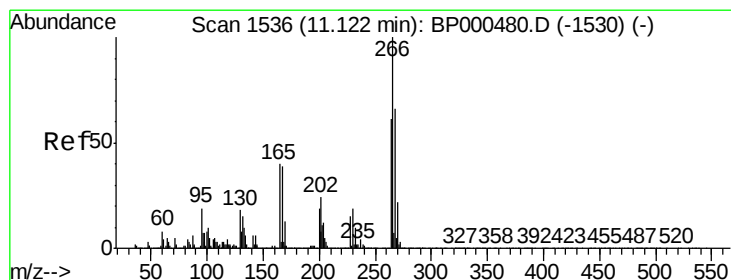
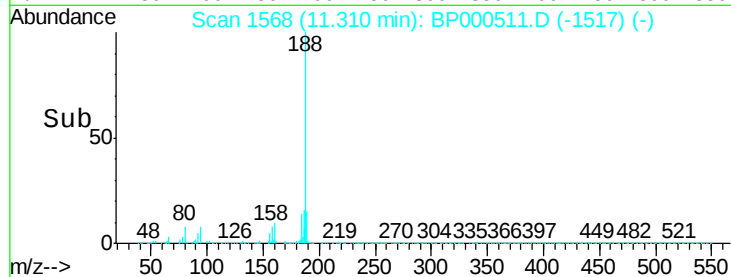
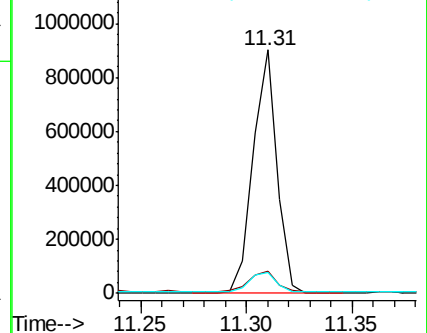
80 8.8 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#70

Pentachlorophenol

Concen: 6.692 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

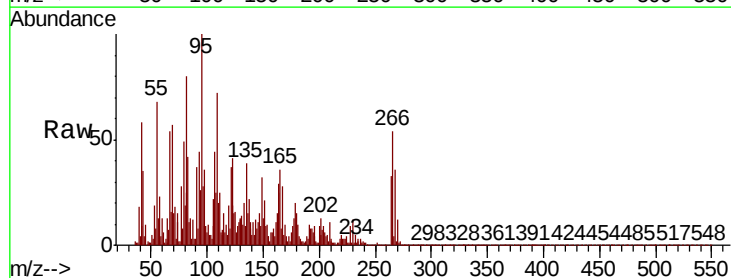
Tgt Ion:266 Resp: 24353

Ion Ratio Lower Upper

266 100

268 66.3 53.2 79.8

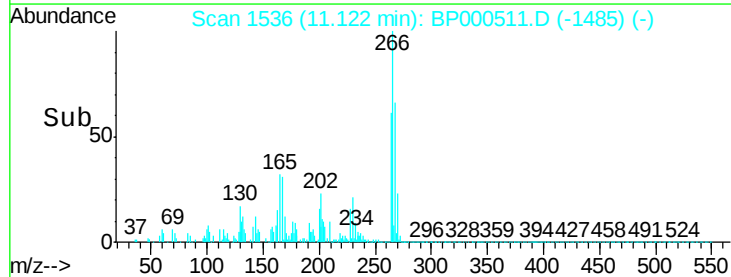
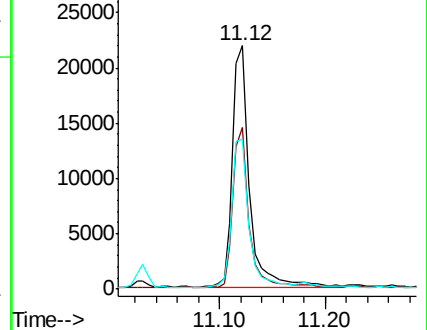
264 61.5 49.0 73.4

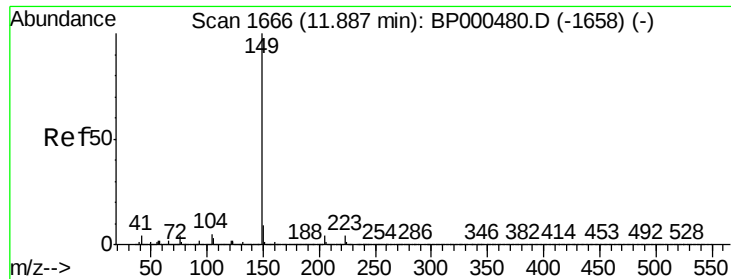


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#74

Di-n-butylphthalate

Concen: 2.667 ng

RT: 11.89 min Scan# 1666

Delta R.T. -0.00 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

Instrument :

BNA_P

ClientSampleId :

COMPOSITE-5

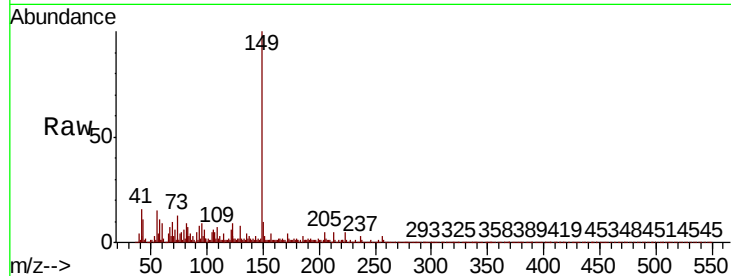
Tot Ion:149 Resp: 106241

Ion Ratio Lower Upper

149 100

150 9.8 7.4 11.2

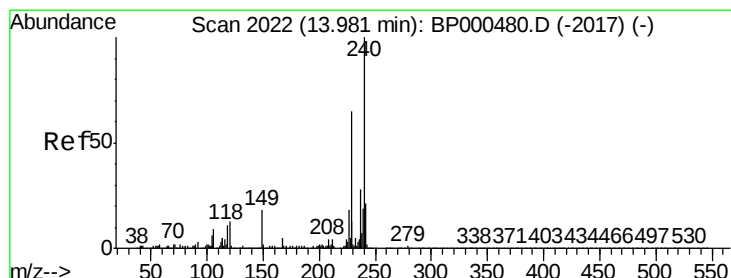
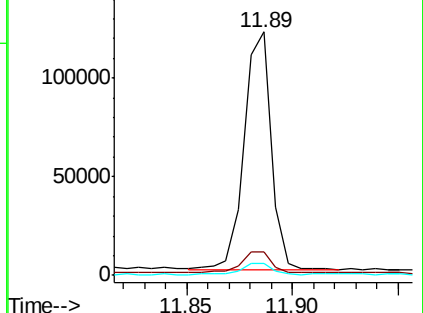
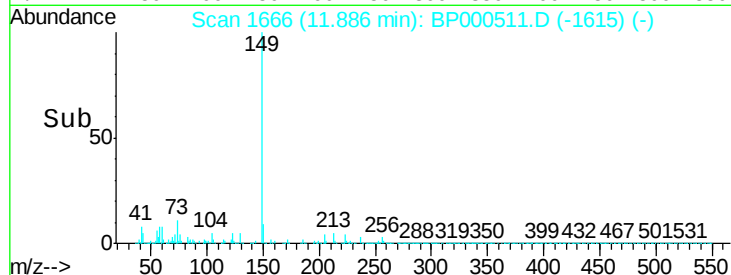
104 5.0 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BP000511.D

Acq: 04 Oct 2019 16:48

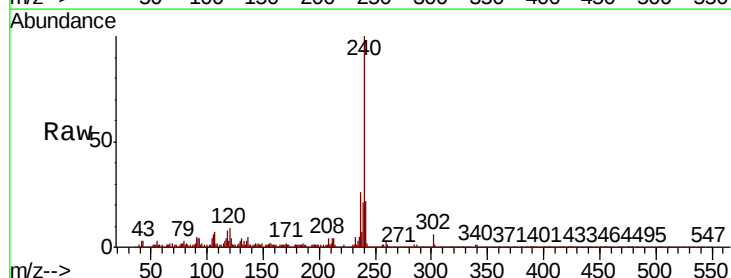
Tgt Ion:240 Resp: 410128

Ion Ratio Lower Upper

240 100

120 8.9 10.1 15.1#

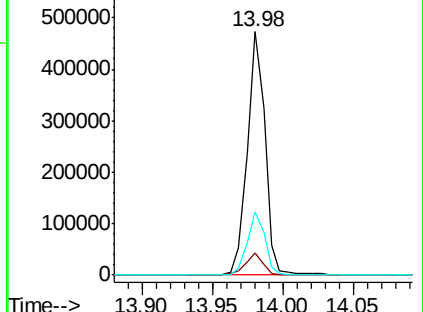
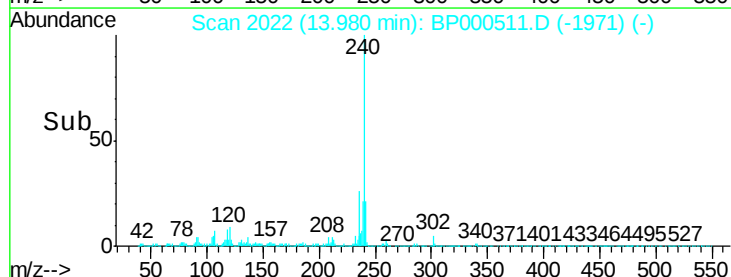
236 26.0 22.7 34.1

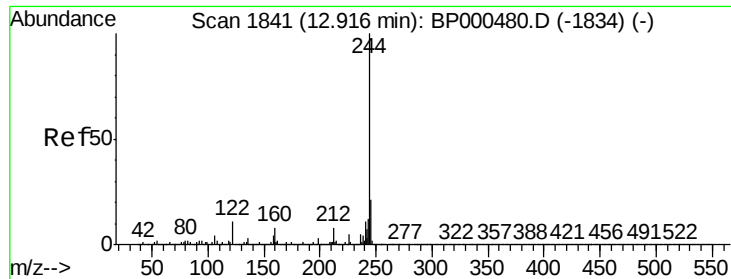


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

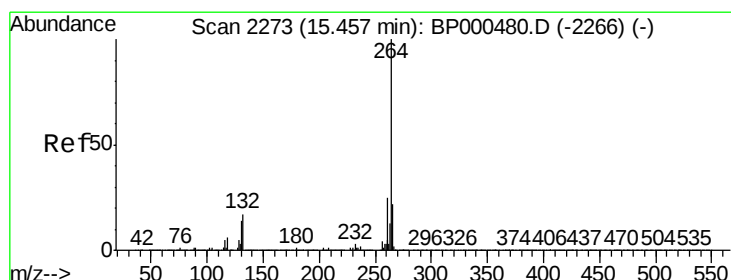
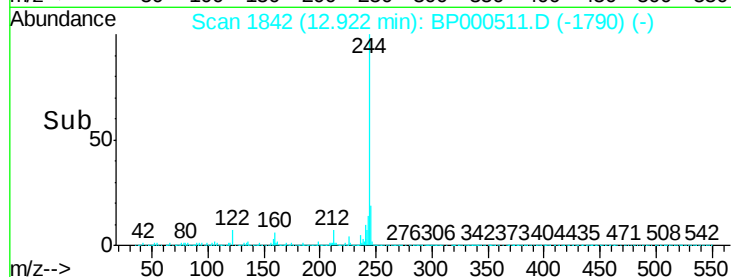
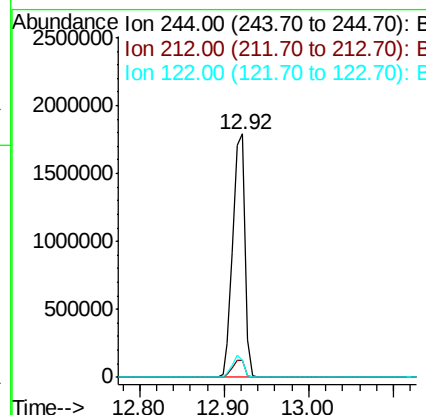
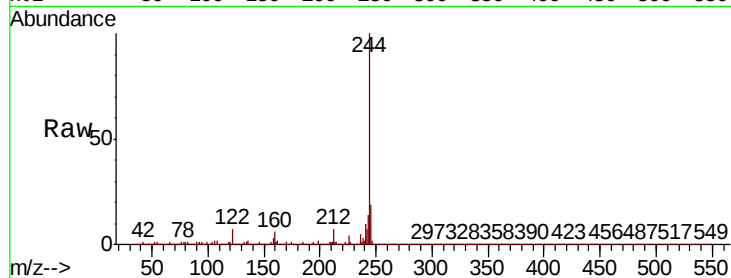




#79
 Terphenyl-d14
 Concen: 87.497 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BP000511.D
 Acq: 04 Oct 2019 16:48

Instrument :
 BNA_P
 ClientSampleId :
 COMPOSITE-5

Tot Ion:244 Resp: 1772328
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 6.9 8.9 13.3#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BP000511.D
 Acq: 04 Oct 2019 16:48

Tgt Ion:264 Resp: 482475
 Ion Ratio Lower Upper
 264 100
 260 23.7 20.3 30.5
 265 22.2 18.0 27.0

