

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP100319\
 Data File : BP000506.D
 Acq On : 03 Oct 2019 19:34
 Operator : JU
 Sample : K5131-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190832-COMPOSITE-HRE

Quant Time: Oct 04 01:31:12 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

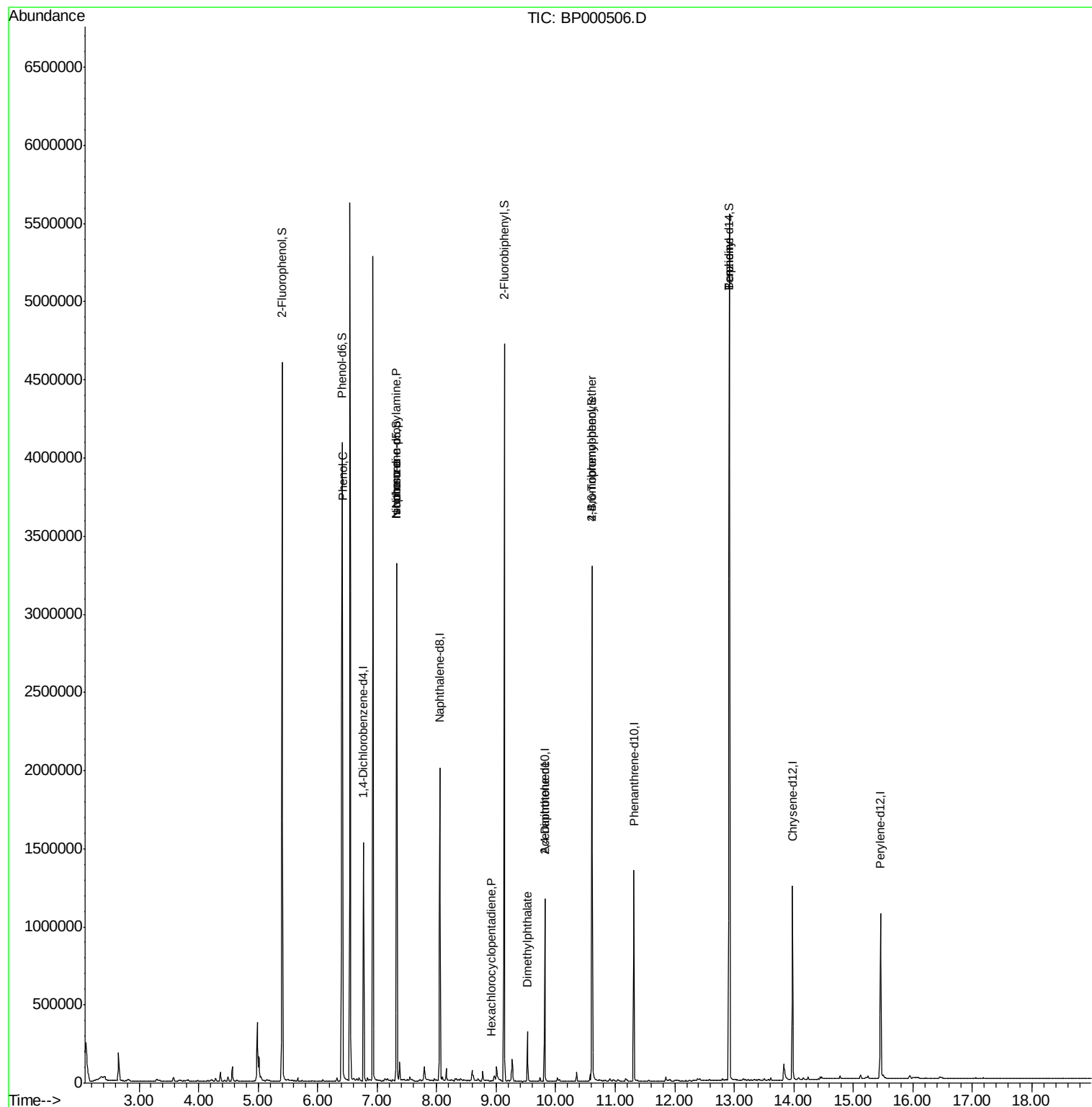
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	234623	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	823274	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	229666	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	453269	20.00	ng	0.00
76) Chrysene-d12	13.97	240	439811	20.00	ng	0.00
87) Perylene-d12	15.46	264	510073	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1501309	102.86	ng	0.01
7) Phenol-d6	6.41	99	1679491	95.49	ng	0.00
23) Nitrobenzene-d5	7.33	82	1136491	84.31	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	433270	177.04	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1377283	97.03	ng	0.00
79) Terphenyl-d14	12.92	244	1944899	89.54	ng	0.00
Target Compounds						
10) Phenol	6.42	94	36060	2.002	ng	97
19) n-Nitroso-di-n-propylamine	7.33	70	139855	17.250	ng	# 74
25) Isophorone	7.33	82	1135845	47.478	ng	# 61
41) Hexachlorocyclopentadiene	8.92	237	32	7.307	ng	83
50) Dimethylphthalate	9.53	163	106352	6.664	ng	99
57) 2,4-Dinitrotoluene	9.82	165	30060	6.515	ng	# 32
67) 4-Bromophenyl-phenylether	10.61	248	28799	5.644	ng	# 1
77) Benzidine	12.92	184	27251	2.140	ng	# 96

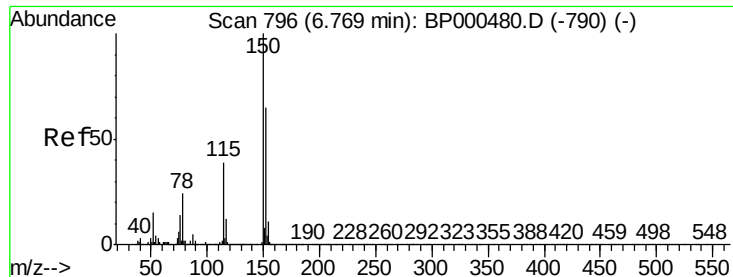
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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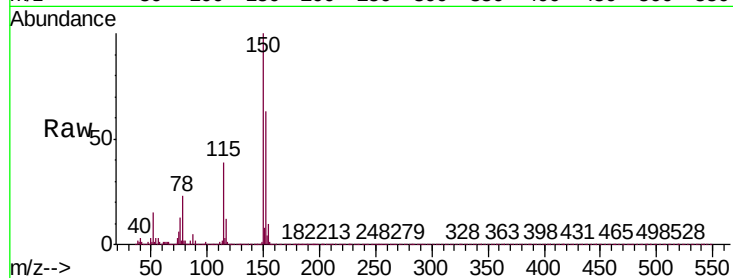


#1

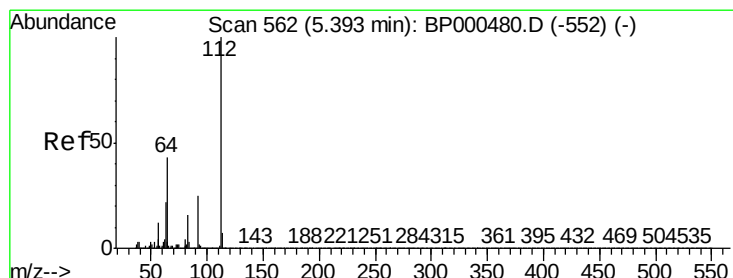
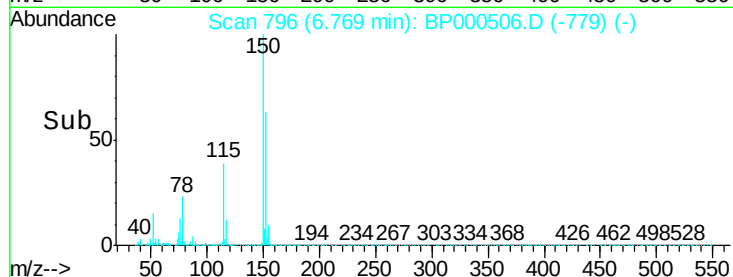
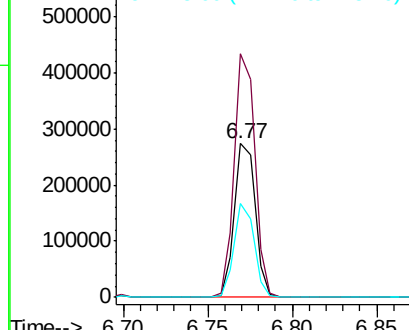
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

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BNA_P
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Tgt Ion:152 Resp: 234623
Ion Ratio Lower Upper
152 100
150 158.3 124.1 186.1
115 61.4 48.7 73.1



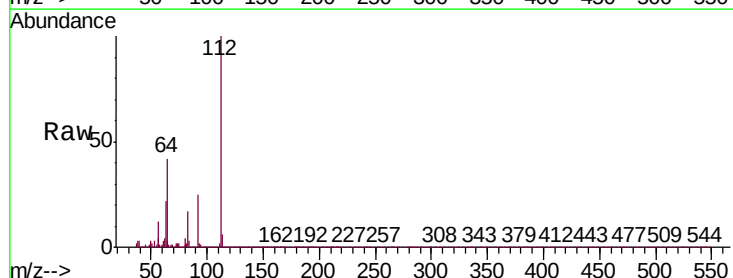
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



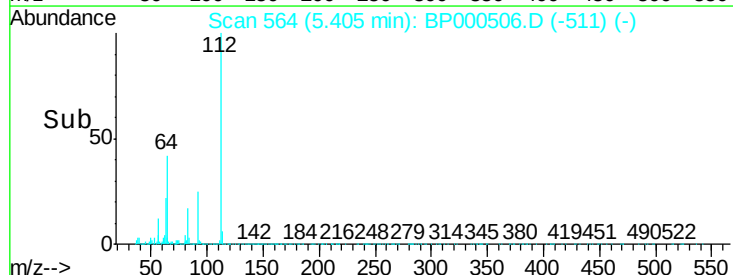
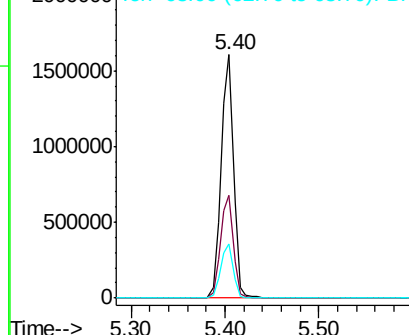
#5

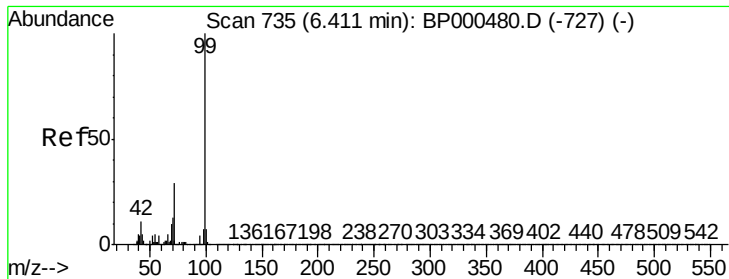
2-Fluorophenol
Concen: 102.857 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

Tgt Ion:112 Resp: 1501309
Ion Ratio Lower Upper
112 100
64 42.3 34.2 51.4
63 22.0 17.9 26.9



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: 95.486 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Instrument :

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ClientSampleId :

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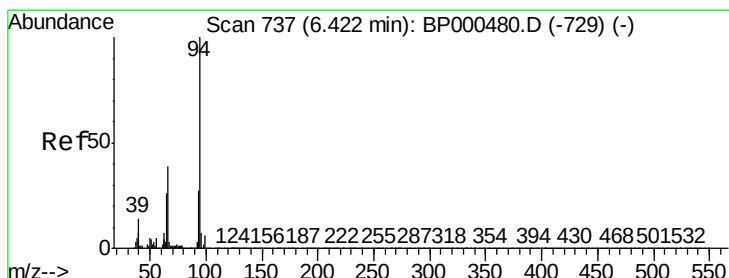
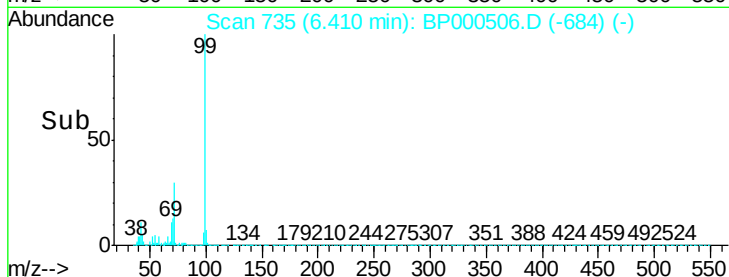
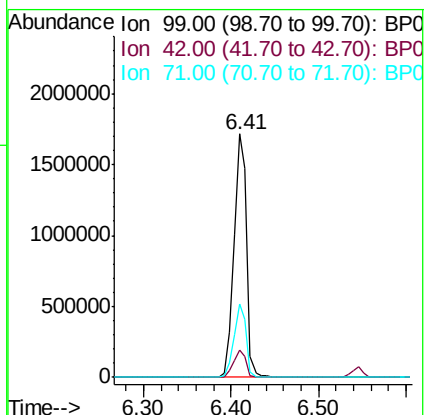
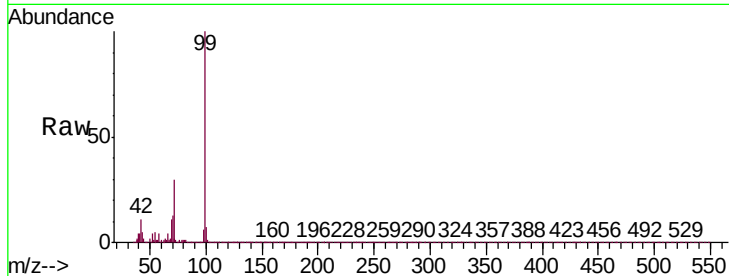
Tgt Ion: 99 Resp: 1679491

Ion Ratio Lower Upper

99 100

42 11.3 8.6 12.8

71 30.2 23.0 34.4



#10

Phenol

Concen: 2.002 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

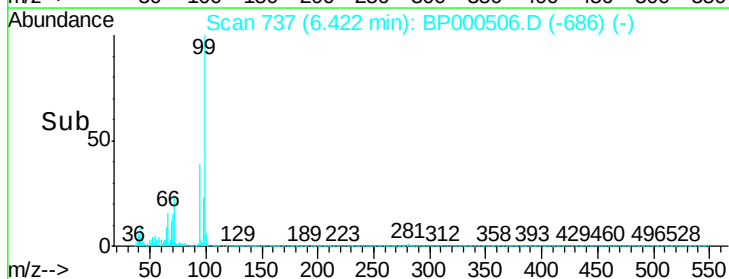
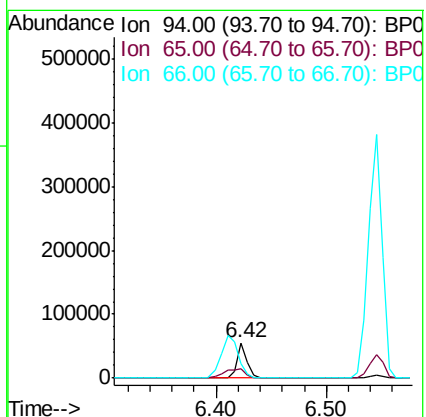
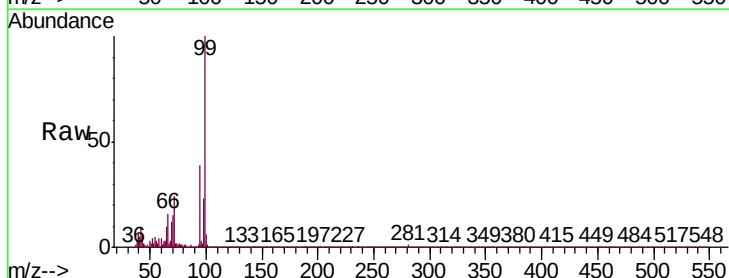
Tgt Ion: 94 Resp: 36060

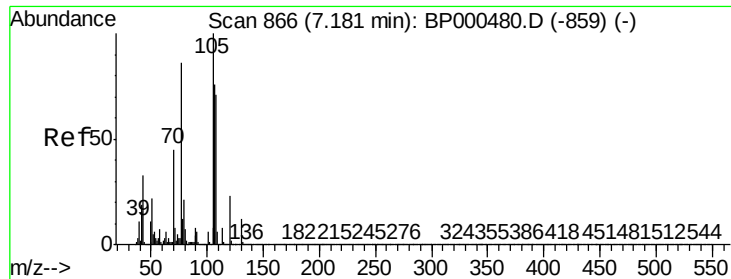
Ion Ratio Lower Upper

94 100

65 24.7 5.9 45.9

66 40.8 18.8 58.8

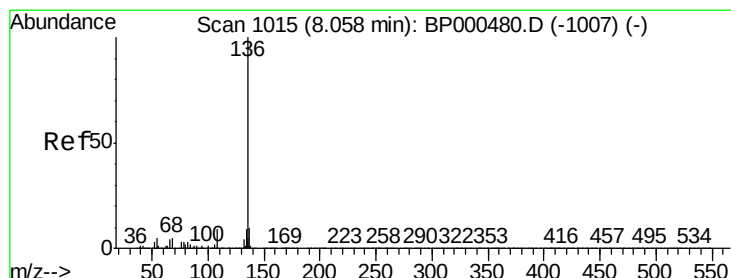
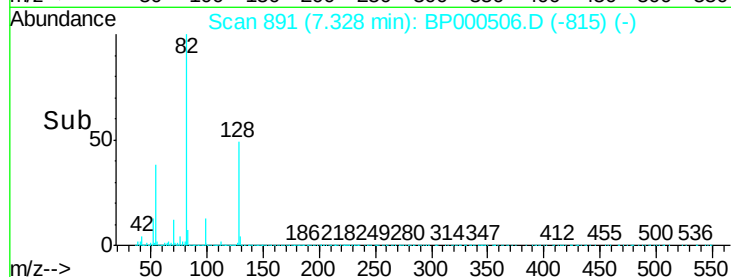
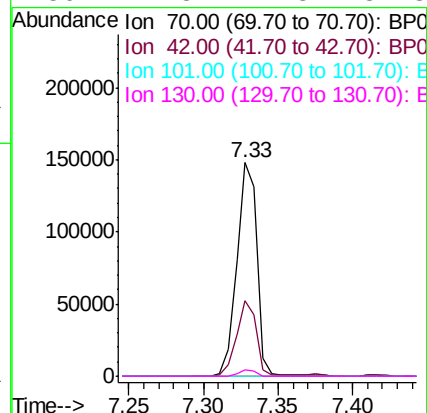
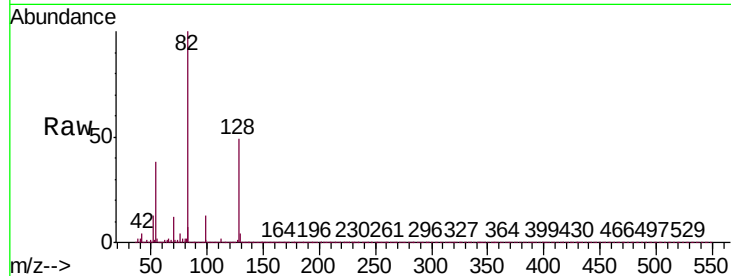




#19
n-Nitroso-di-n-propylamine
Concen: 17.250 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.15 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

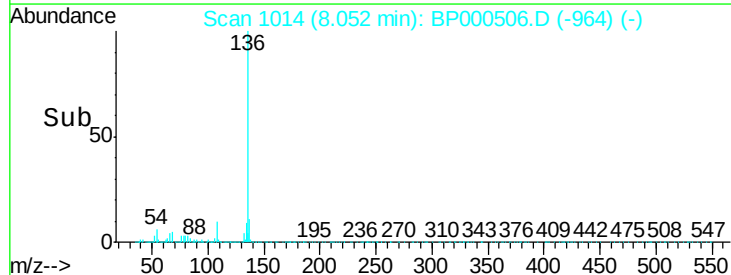
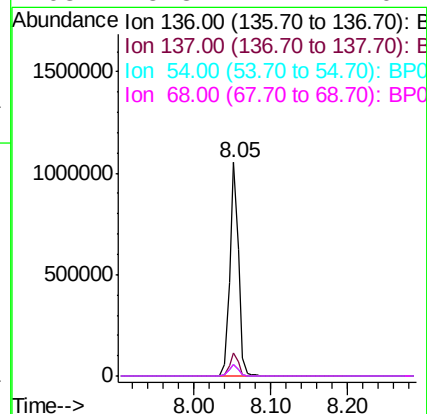
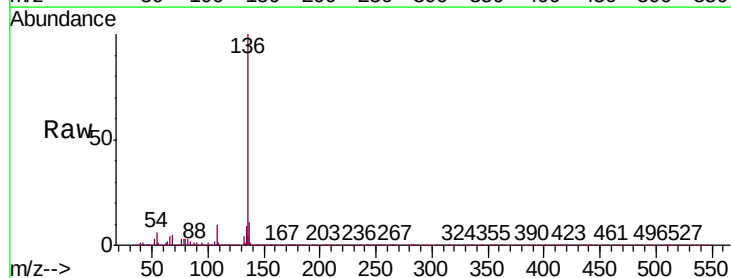
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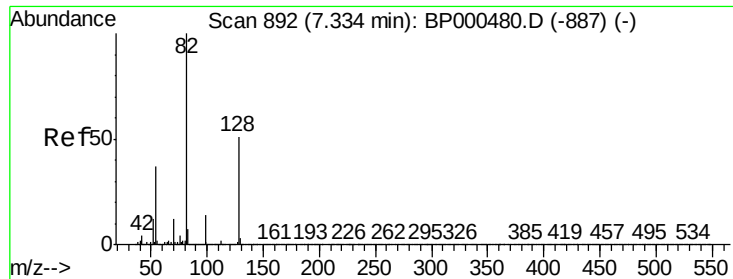
Tgt Ion:	70	Resp:	139855
Ion	Ratio	Lower	Upper
70	100		
42	35.3	33.2	49.8
101	0.0	9.9	14.9#
130	2.8	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

Tgt Ion:	136	Resp:	823274
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	5.5	4.1	6.1
68	5.3	4.1	6.1

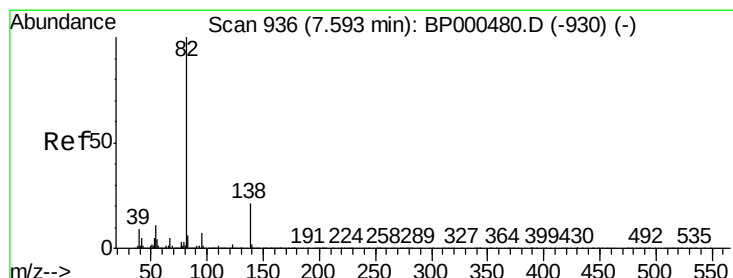
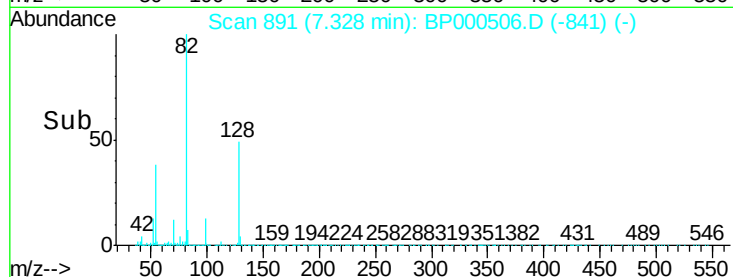
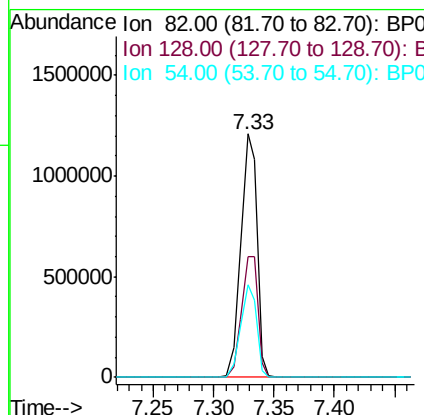
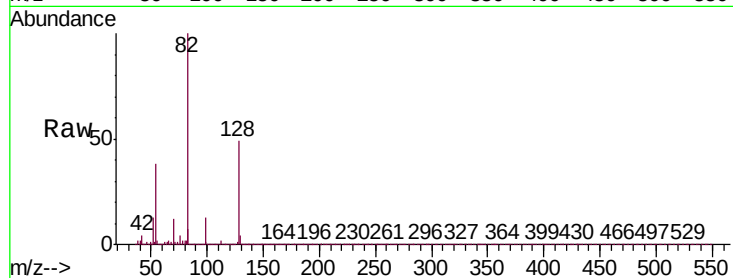




#23
Nitrobenzene-d5
Concen: 84.312 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

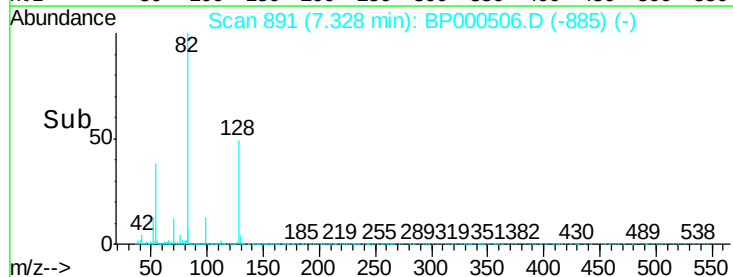
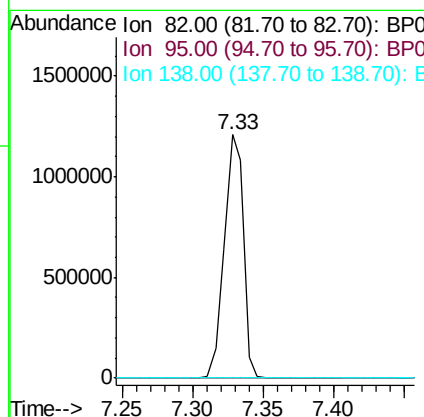
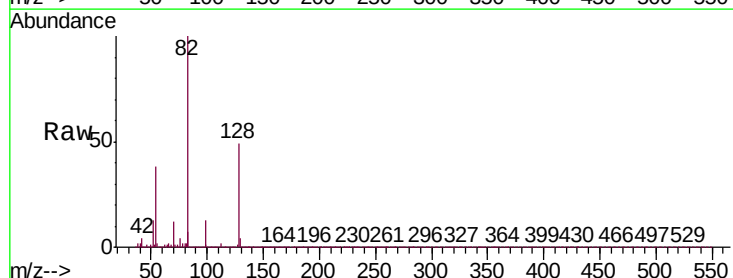
Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-HRE

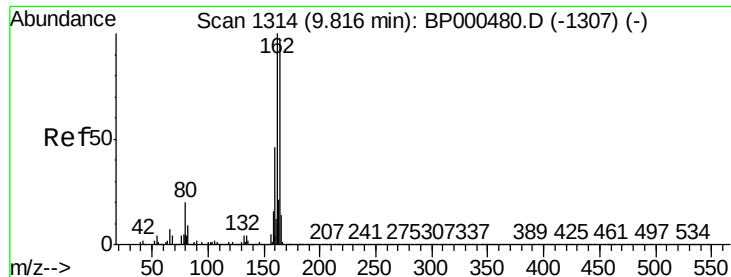
Tgt Ion: 82 Resp: 1136491
Ion Ratio Lower Upper
82 100
128 49.3 40.9 61.3
54 37.9 29.4 44.2



#25
Isophorone
Concen: 47.478 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.26 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

Tgt Ion: 82 Resp: 1135845
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 17.0 25.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Instrument :

BNA_P

ClientSampleId :

20190832-COMPOSITE-HRE

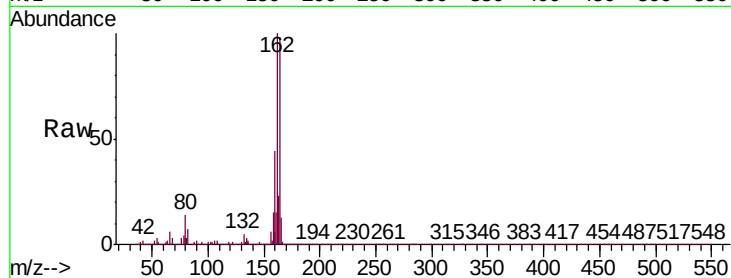
Tgt Ion:164 Resp: 229666

Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.2

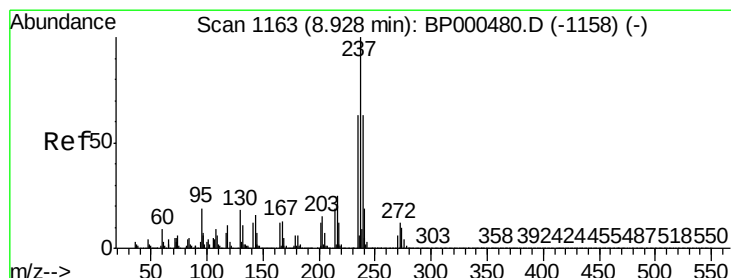
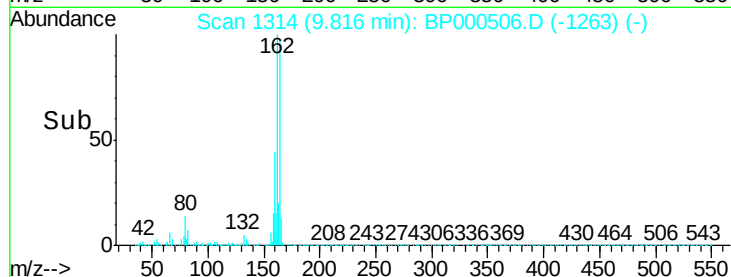
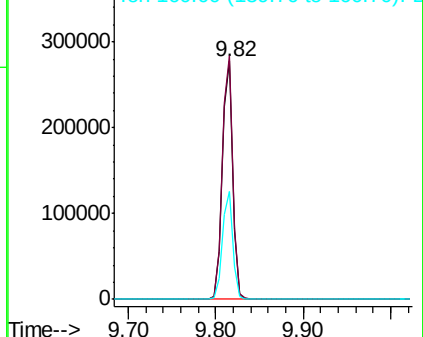
160 45.4 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 7.307 ng

RT: 8.92 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

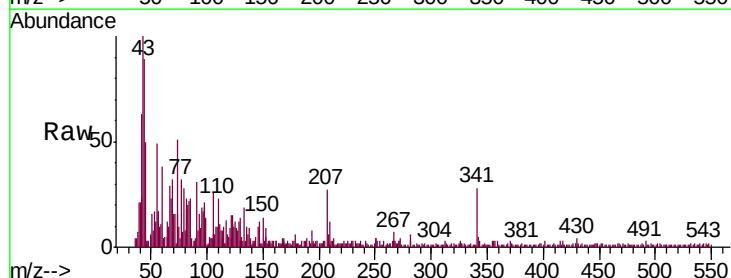
Tgt Ion:237 Resp: 32

Ion Ratio Lower Upper

237 100

235 52.4 42.9 82.9

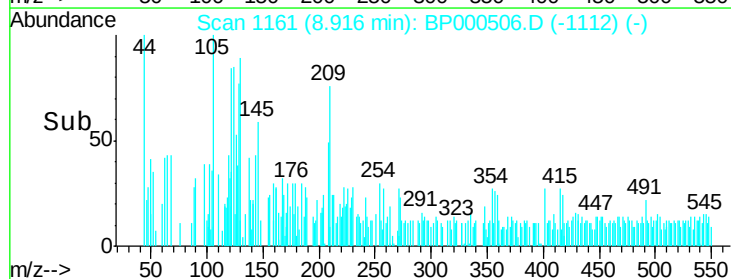
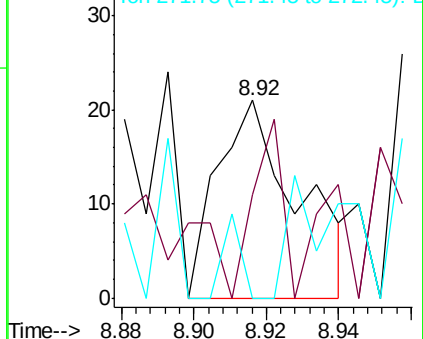
272 0.0 0.0 32.4

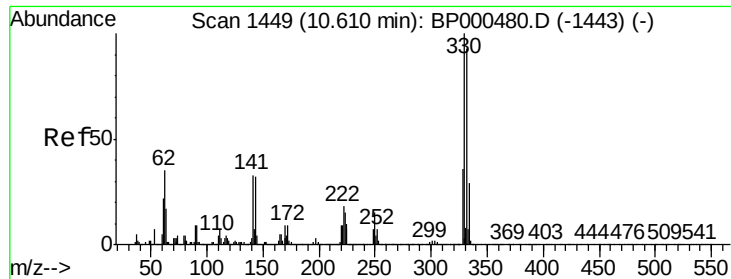


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

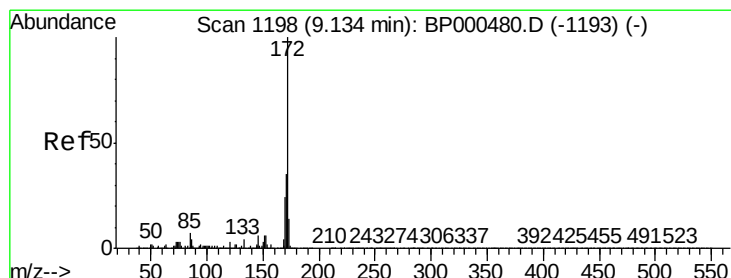
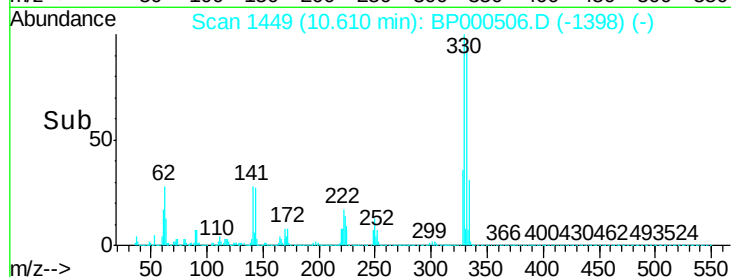
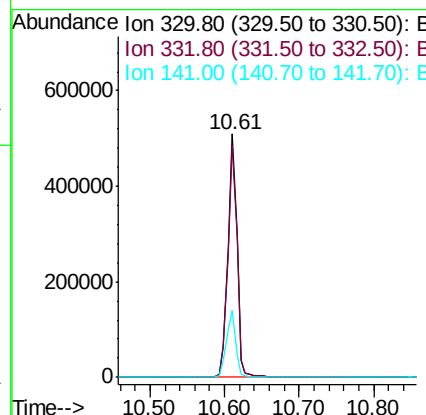
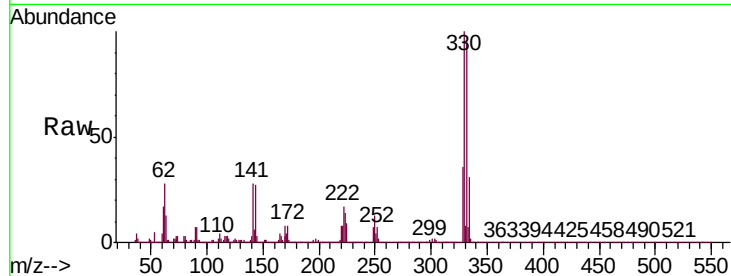




#42
2,4,6-Tribromophenol
Concen: 177.036 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

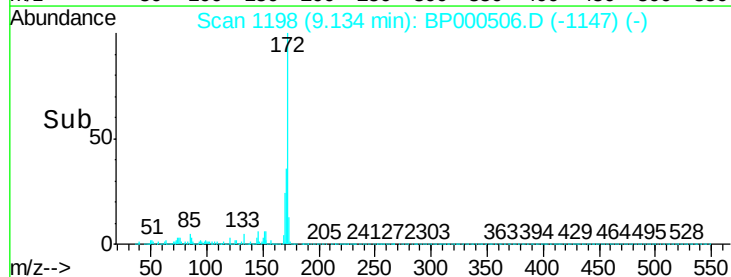
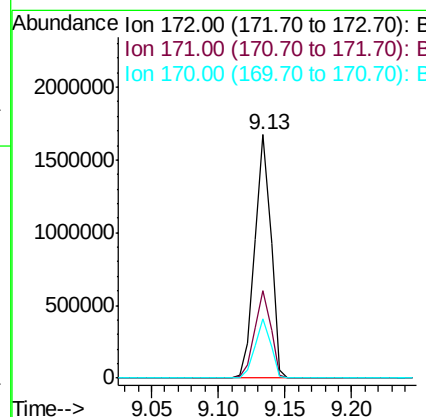
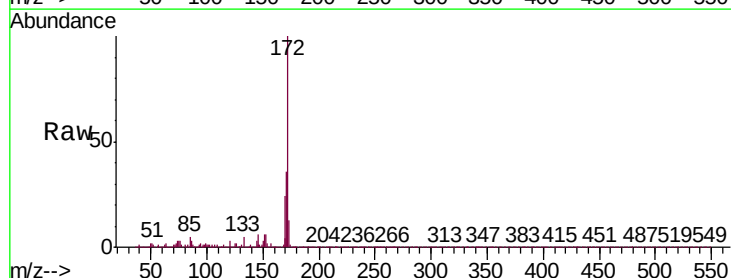
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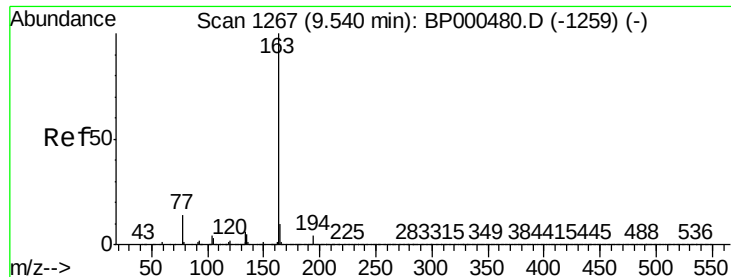
Tgt Ion:330 Resp: 433270
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 28.0 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 97.029 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BP000506.D
Acq: 03 Oct 2019 19:34

Tgt Ion:172 Resp: 1377283
Ion Ratio Lower Upper
172 100
171 36.1 28.4 42.6
170 24.2 19.1 28.7





#50

Dimethylphthalate

Concen: 6.664 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Instrument :

BNA_P

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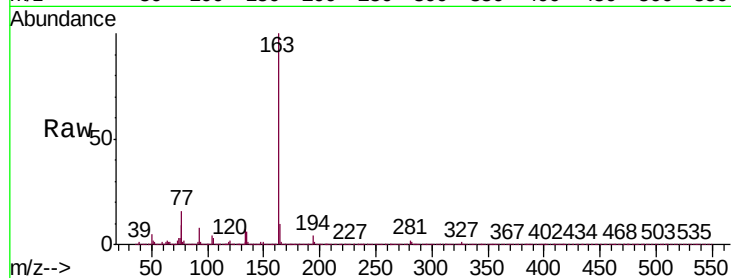
Tgt Ion:163 Resp: 106352

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

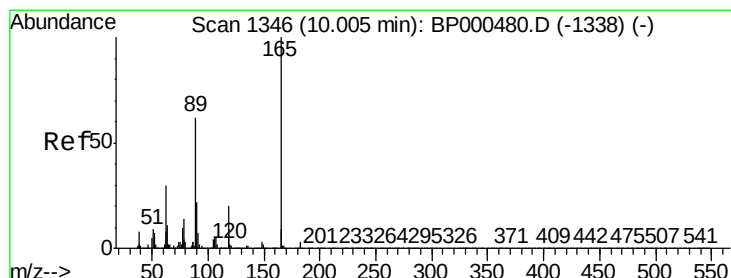
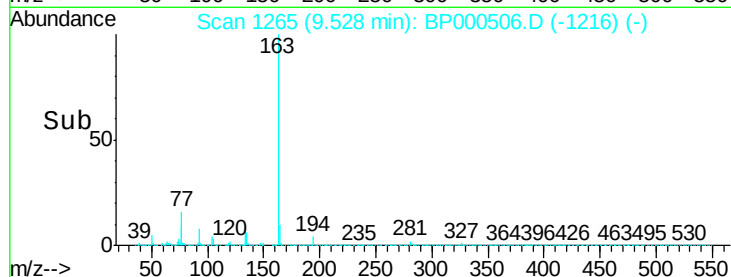
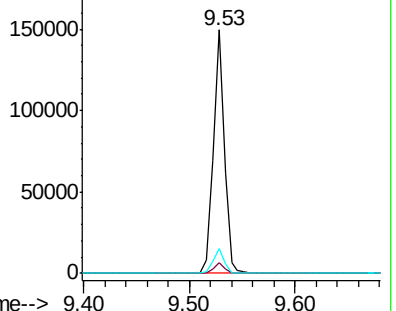
164 10.3 8.0 12.0



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



#57

2,4-Dinitrotoluene

Concen: 6.515 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Tgt Ion:165 Resp: 30060

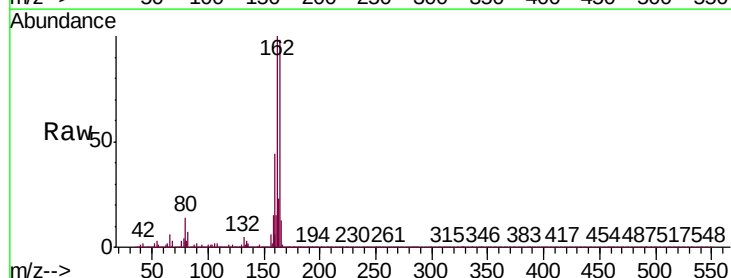
Ion Ratio Lower Upper

165 100

63 1.0 24.2 36.4#

89 1.5 49.4 74.0#

182 0.1 2.5 3.7#

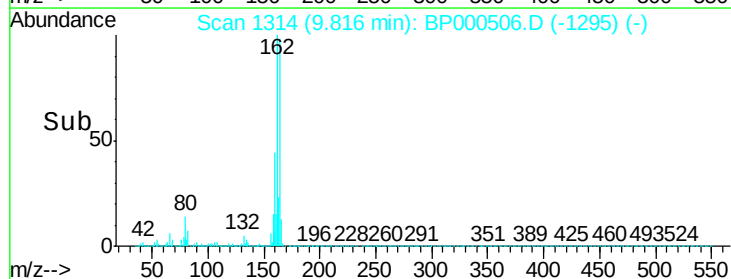
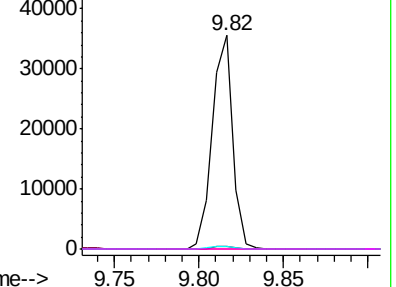


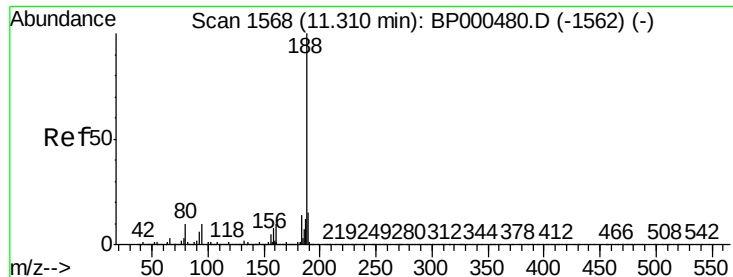
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Instrument :

BNA_P

ClientSampleId :

20190832-COMPOSITE-HRE

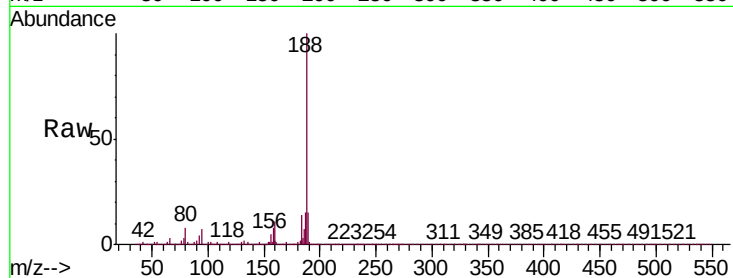
Tgt Ion:188 Resp: 453269

Ion Ratio Lower Upper

188 100

94 7.4 8.2 12.2#

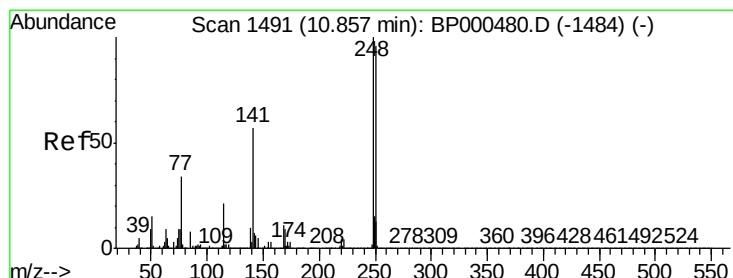
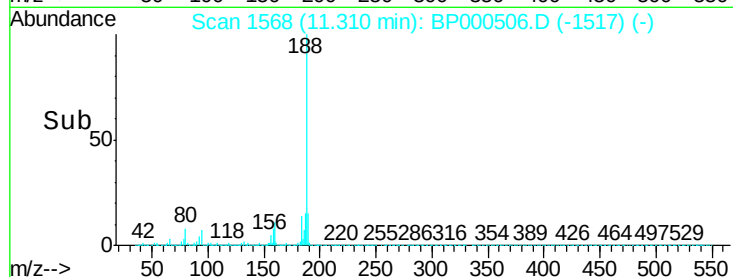
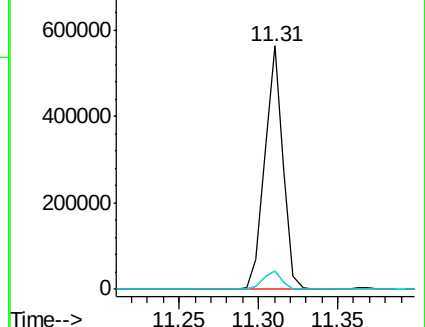
80 7.6 8.3 12.5#



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



#67

4-Bromophenyl-phenylether

Concen: 5.644 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.25 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

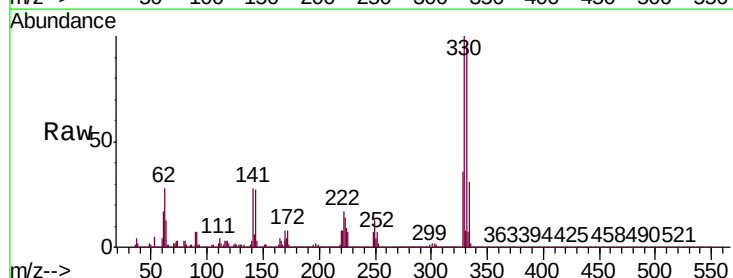
Tgt Ion:248 Resp: 28799

Ion Ratio Lower Upper

248 100

250 191.7 77.2 115.8#

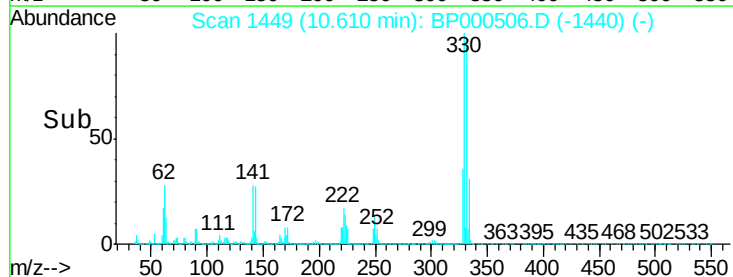
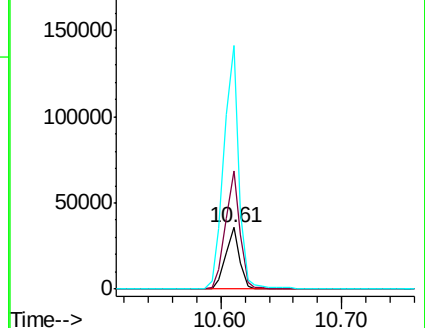
141 394.3 45.3 67.9#

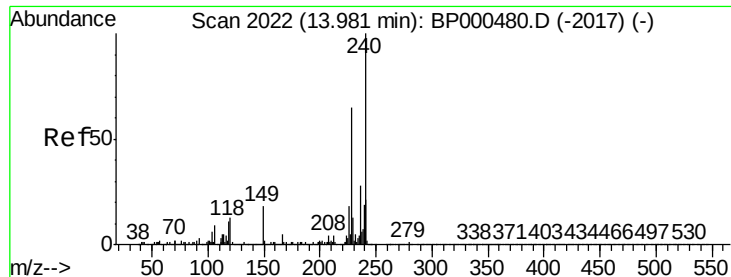


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Instrument :

BNA_P

ClientSampleId :

20190832-COMPOSITE-HRE

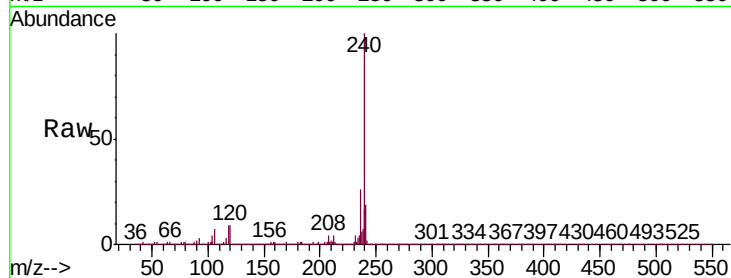
Tgt Ion:240 Resp: 439811

Ion Ratio Lower Upper

240 100

120 9.1 10.1 15.1#

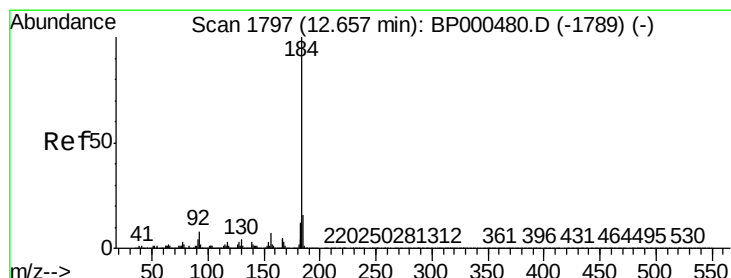
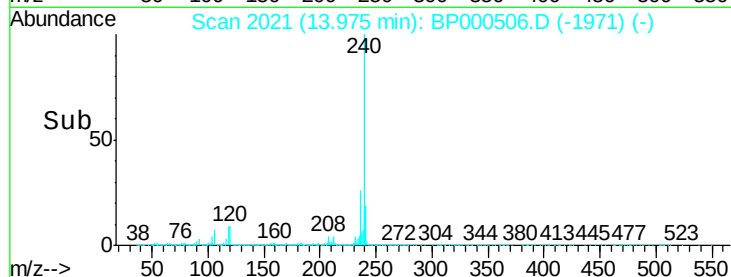
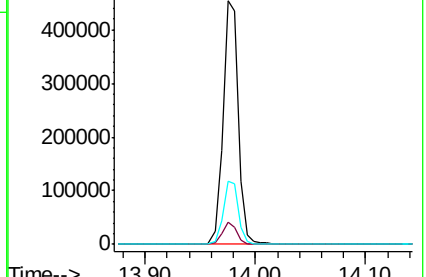
236 26.0 22.7 34.1



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



#77

Benzidine

Concen: 2.140 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

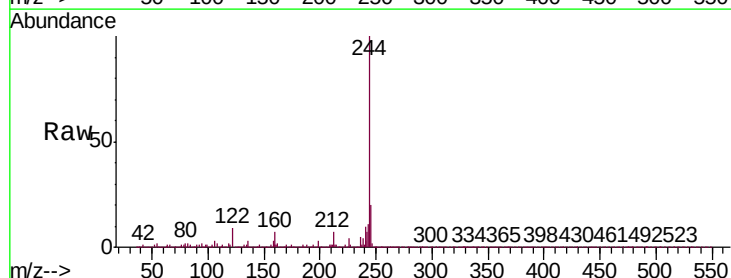
Tgt Ion:184 Resp: 27251

Ion Ratio Lower Upper

184 100

185 15.8 12.7 19.1

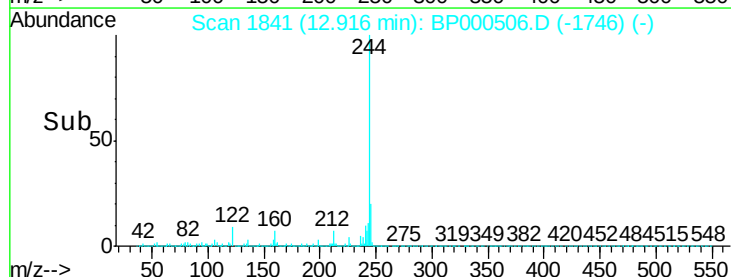
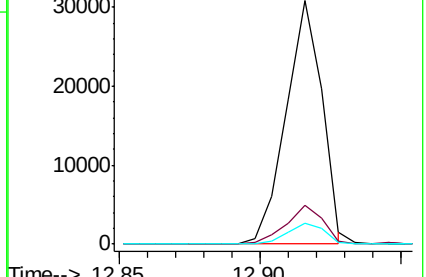
183 8.7 9.7 14.5#

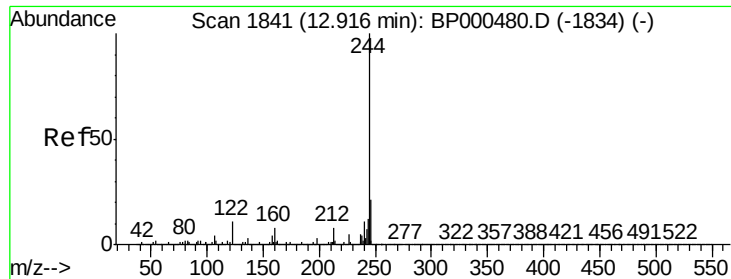


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.536 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

Instrument :

BNA_P

ClientSampleId :

20190832-COMPOSITE-HRE

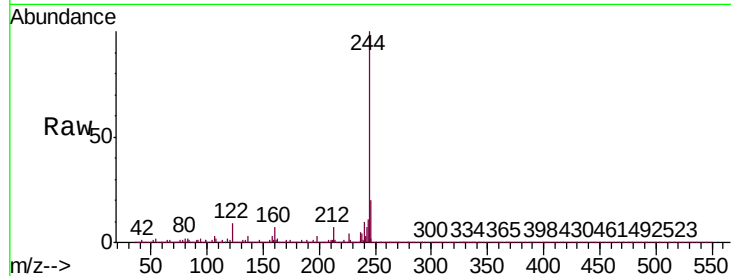
Tgt Ion:244 Resp: 1944899

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

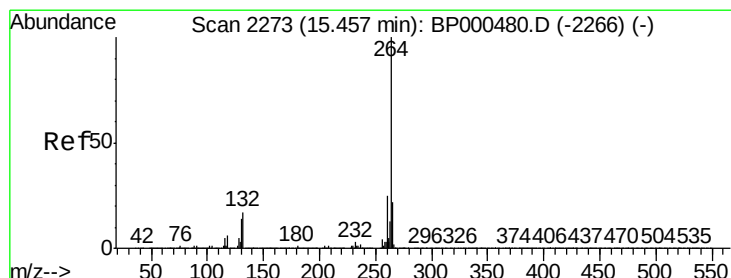
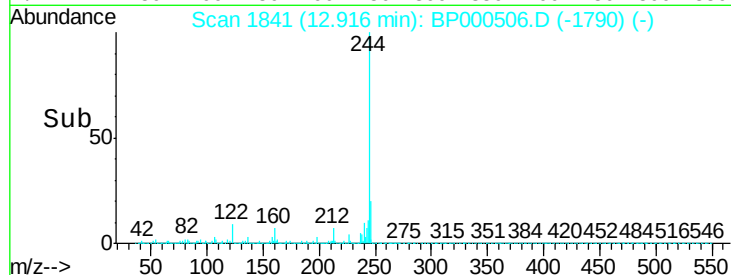
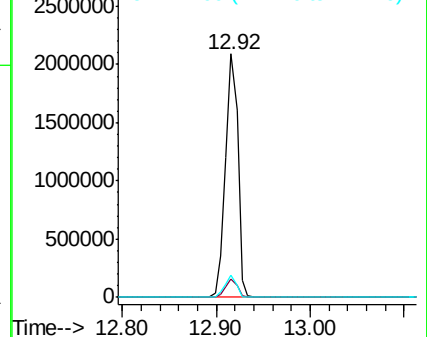
122 9.0 8.9 13.3



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: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BP000506.D

Acq: 03 Oct 2019 19:34

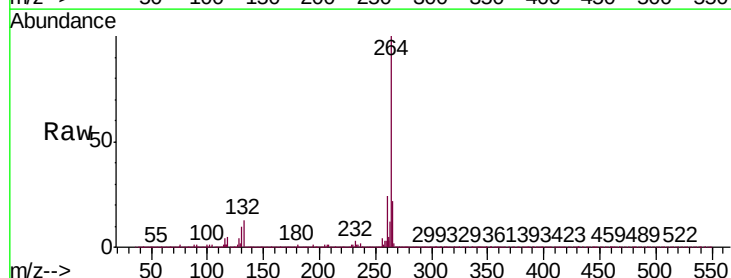
Tgt Ion:264 Resp: 510073

Ion Ratio Lower Upper

264 100

260 23.7 20.3 30.5

265 21.5 18.0 27.0



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

