

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000527.D
 Acq On : 04 Oct 2019 23:13
 Operator : JU
 Sample : K5154-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 05 01:07:43 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

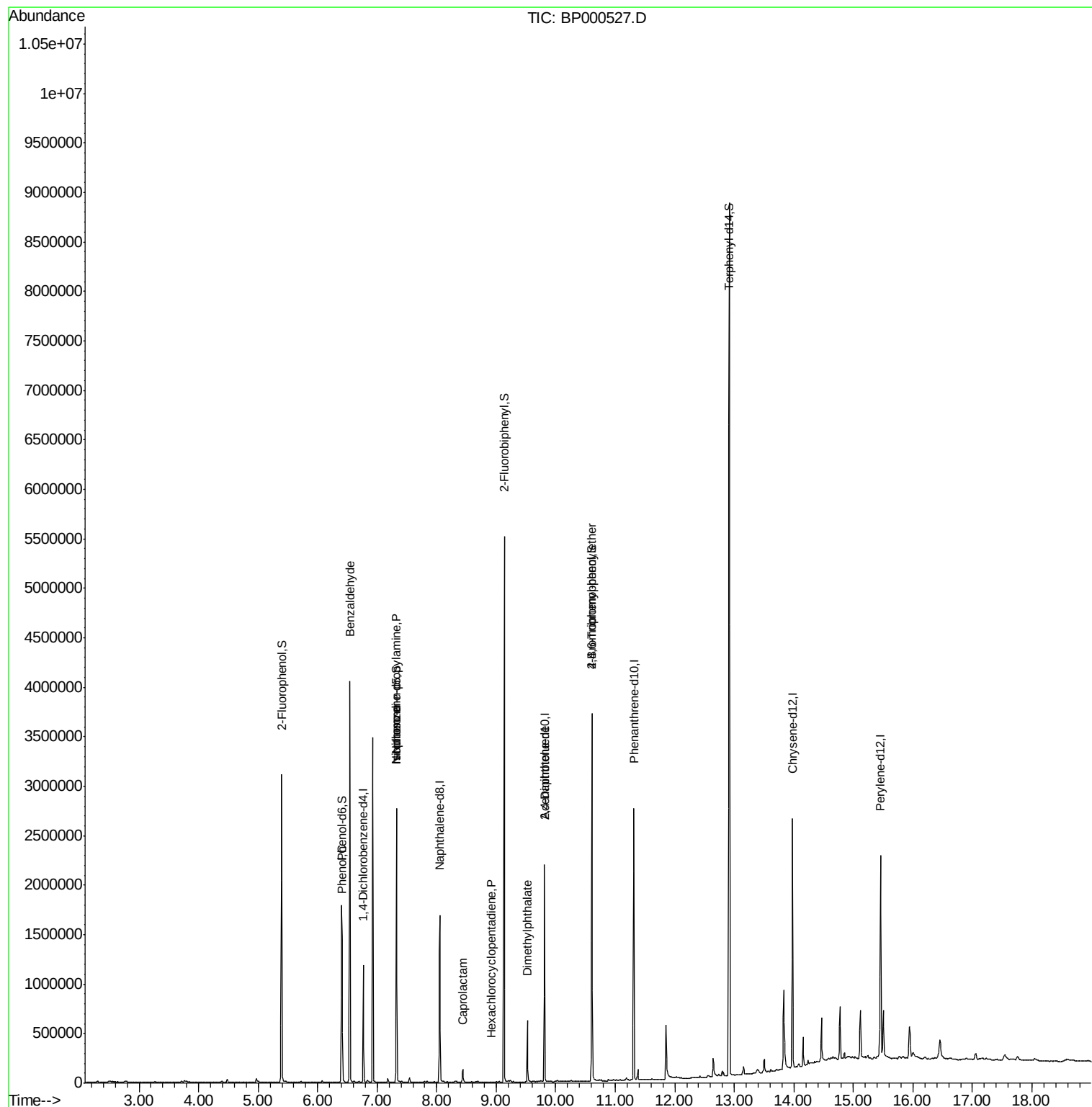
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	182014	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	728101	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	417895	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	949234	20.00	ng	0.00
76) Chrysene-d12	13.97	240	841888	20.00	ng	0.00
87) Perylene-d12	15.46	264	913134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	939149	82.94	ng	0.00
7) Phenol-d6	6.40	99	641869	47.04	ng	0.00
23) Nitrobenzene-d5	7.33	82	806087	67.62	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	521650	117.14	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1773975	68.68	ng	0.00
79) Terphenyl-d14	12.92	244	3106479	74.71	ng	0.00
Target Compounds						
9) Benzaldehyde	6.54	77	25095	3.531	ng	82
10) Phenol	6.42	94	91491	6.549	ng	97
19) n-Nitroso-di-n-propylamine	7.33	70	102810	16.346	ng	# 74
25) Isophorone	7.33	82	806086	38.098	ng	# 61
35) Caprolactam	8.44	113	17576	5.007	ng	92
41) Hexachlorocyclopentadiene	8.92	237	11	7.299	ng	# 67
50) Dimethylphthalate	9.53	163	272133	9.372	ng	99
57) 2,4-Dinitrotoluene	9.81	165	53939	6.424	ng	# 31
67) 4-Bromophenyl-phenylether	10.61	248	34591	3.237	ng	# 1

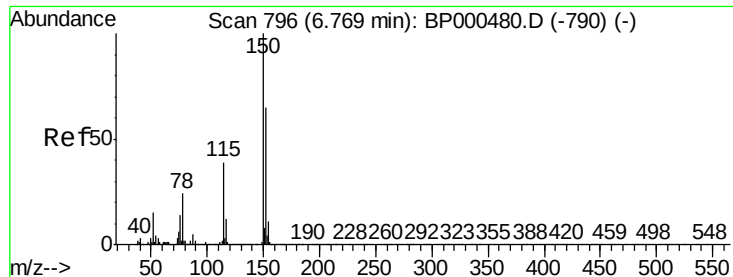
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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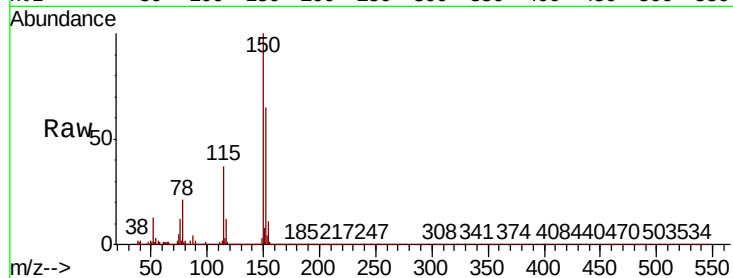


#1

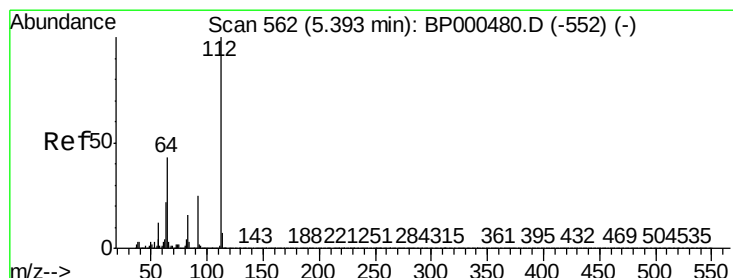
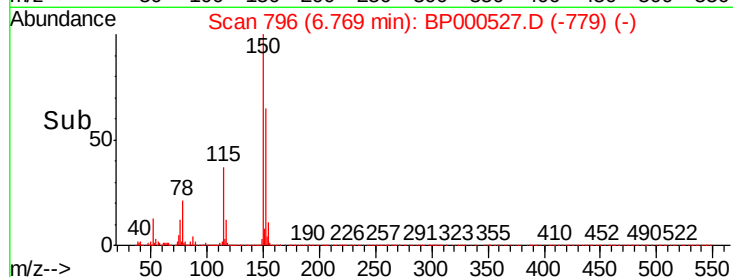
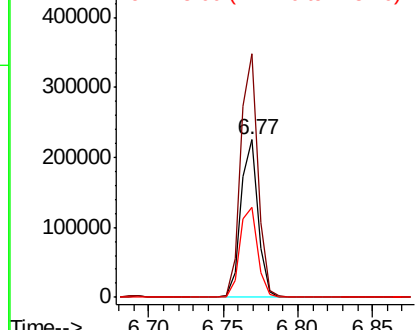
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.1	186.1
115	57.5	48.7	73.1



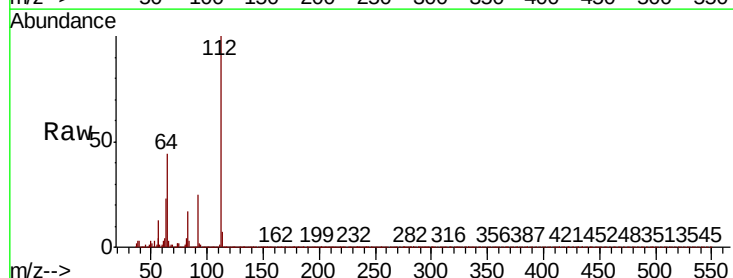
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



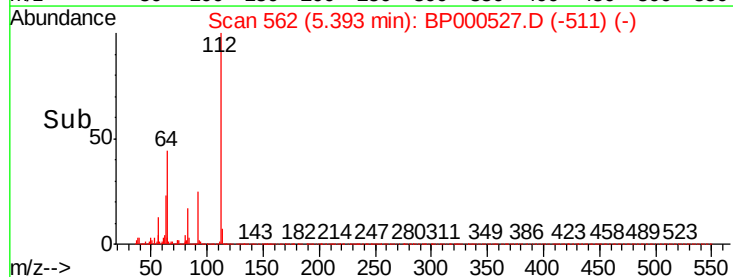
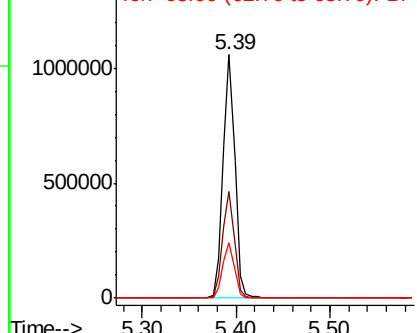
#5

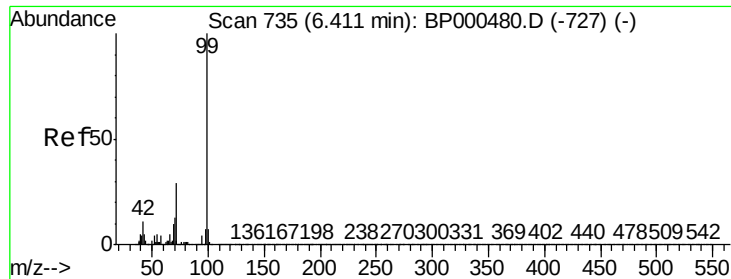
2-Fluorophenol
Concen: 82.940 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.7	34.2	51.4
63	22.8	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: 47.041 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

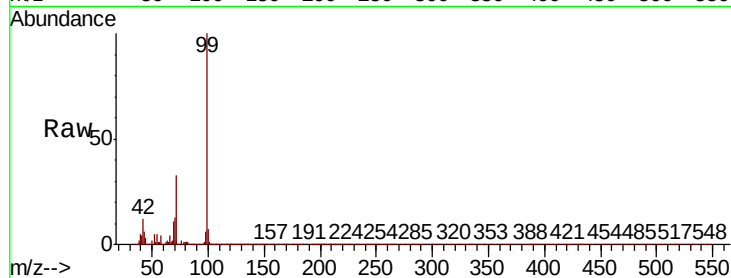
Instrument :

BNA_P

ClientSampled :

Tot Ion: 99 Resp: 641869

Ion	Ratio	Lower	Upper
99	100		
42	11.9	8.6	12.8
71	32.9	23.0	34.4

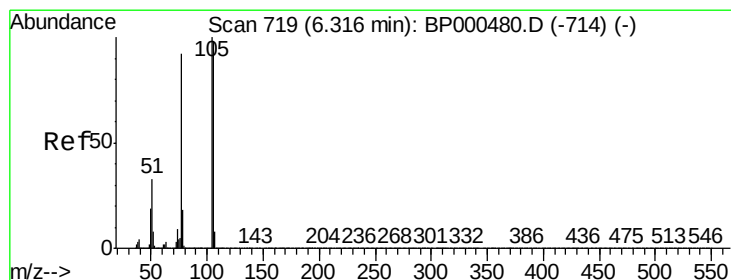
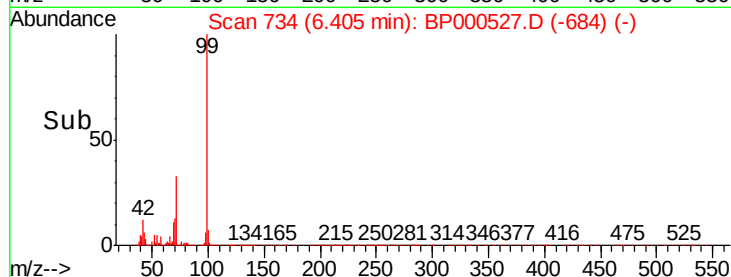
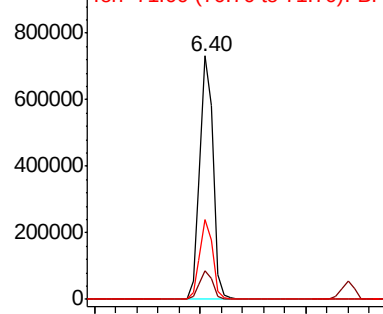


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: 3.531 ng

RT: 6.54 min Scan# 757

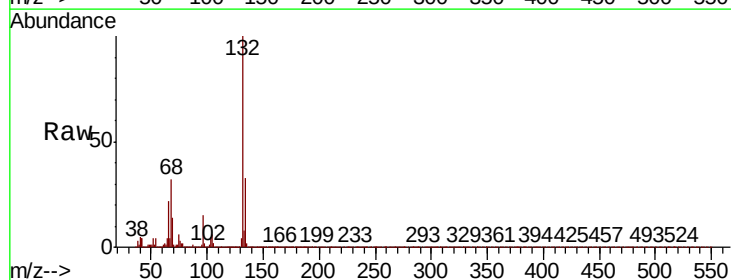
Delta R.T. 0.22 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

Tgt Ion: 77 Resp: 25095

Ion	Ratio	Lower	Upper
77	100		
105	89.8	88.3	128.3
106	86.0	85.7	125.7

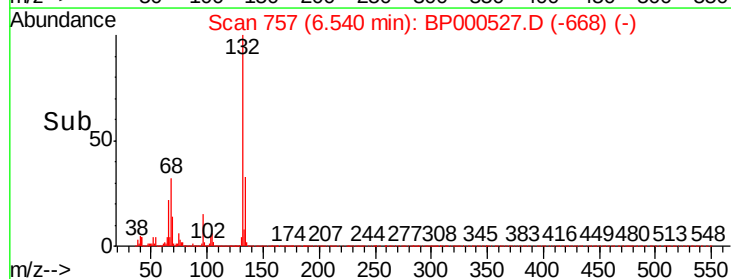
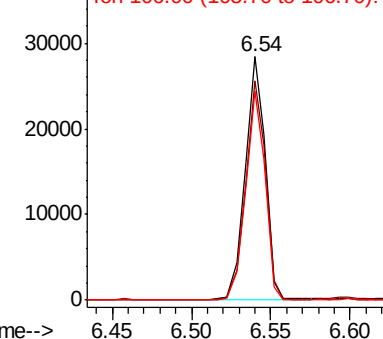


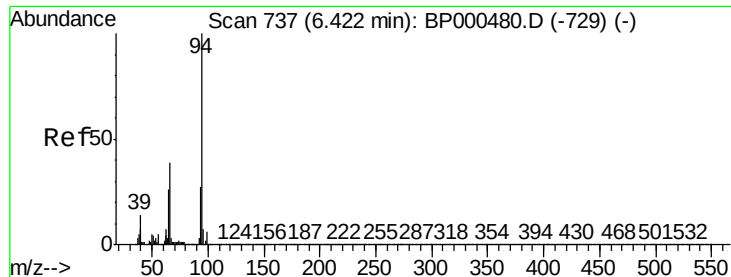
Abundance

Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.549 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

Instrument :

BNA_P

ClientSampleId :

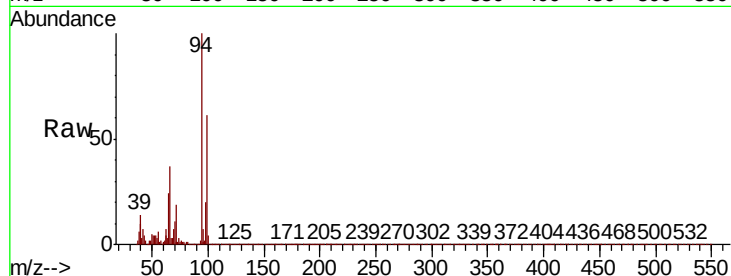
Tot Ion: 94 Resp: 91491

Ion Ratio Lower Upper

94 100

65 24.3 5.9 45.9

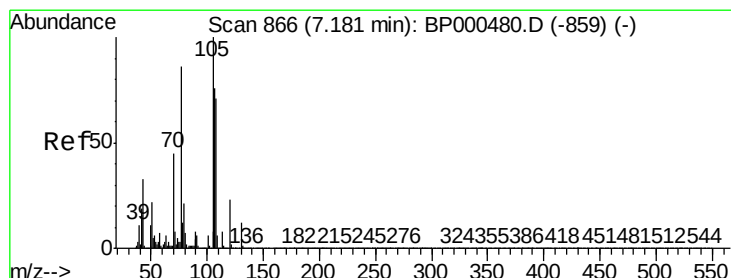
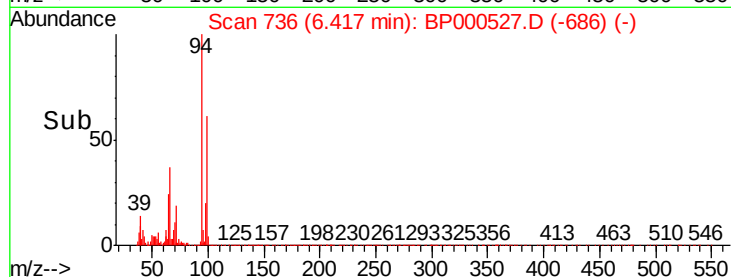
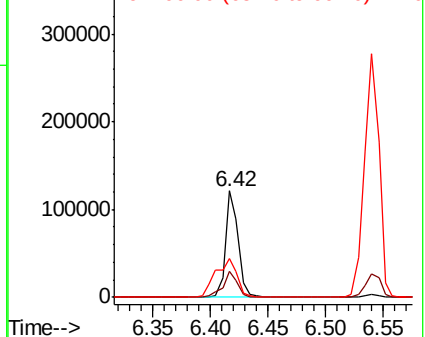
66 37.0 18.8 58.8



Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0



#19

n-Nitroso-di-n-propylamine

Concen: 16.346 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.15 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

Tgt Ion: 70 Resp: 102810

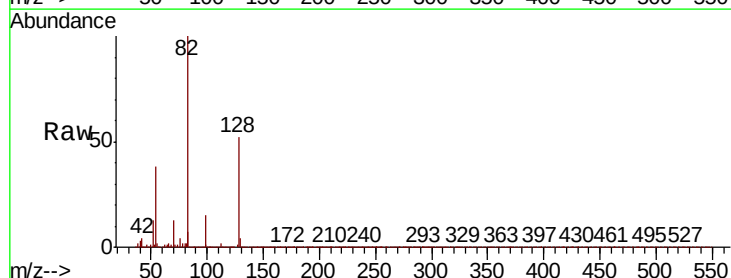
Ion Ratio Lower Upper

70 100

42 35.0 33.2 49.8

101 0.0 9.9 14.9#

130 2.6 21.8 32.8#

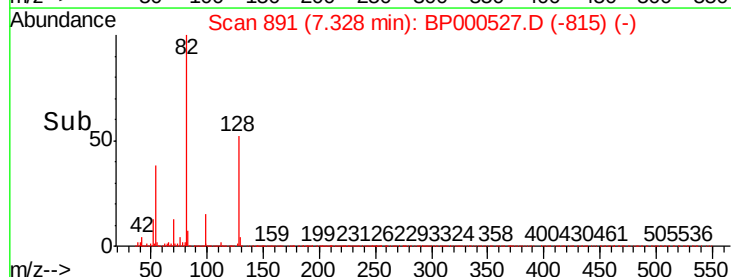
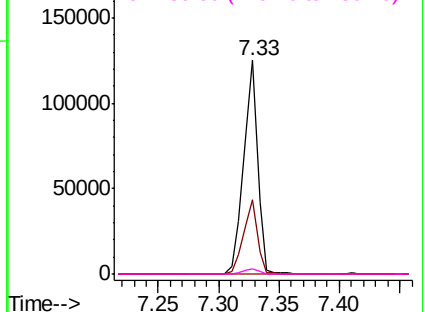


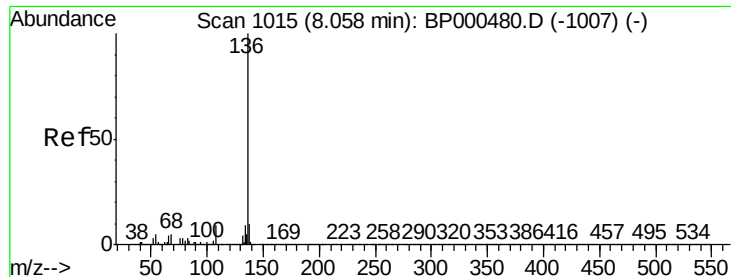
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

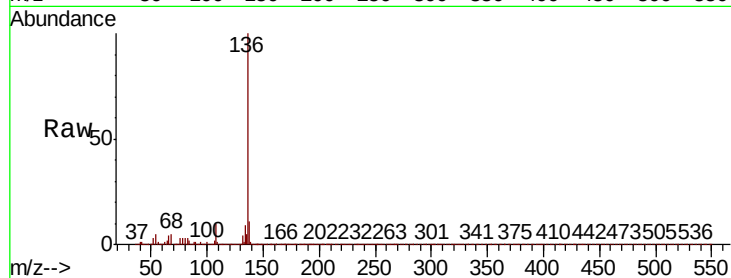




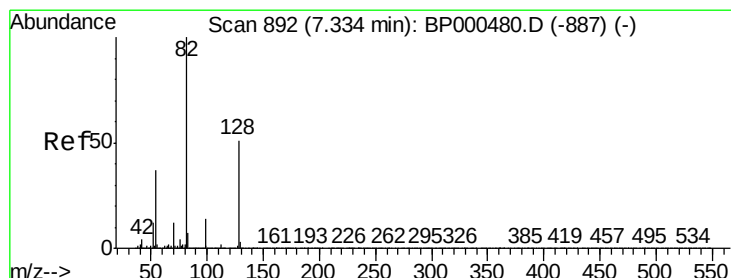
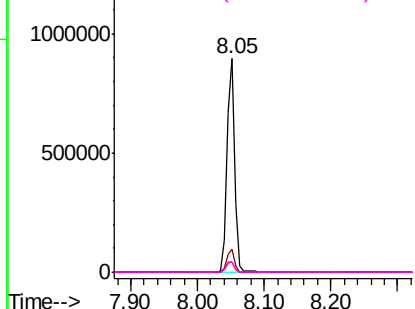
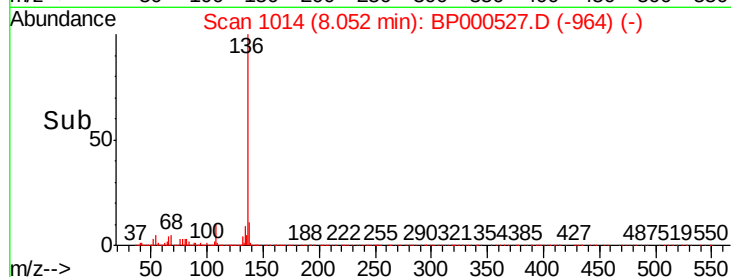
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp:	728101
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.2	12.4
54 4.9	4.1	6.1
68 5.0	4.1	6.1

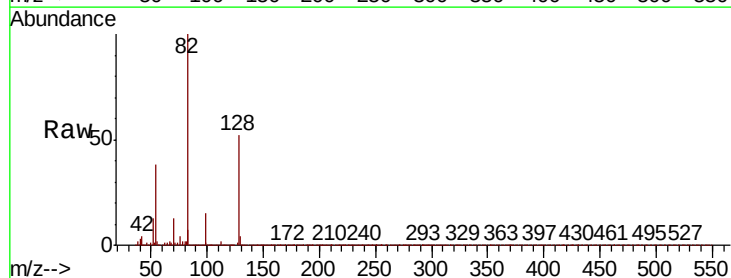


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

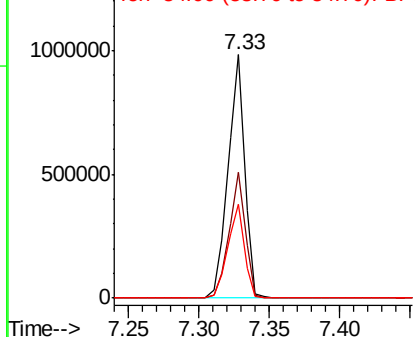
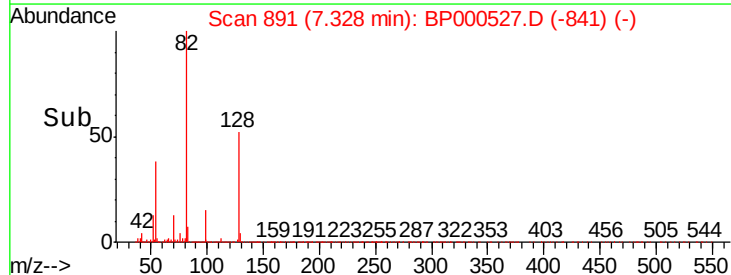


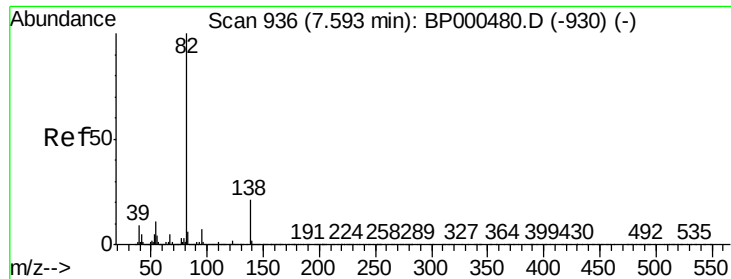
#23
Nitrobenzene-d5
Concen: 67.617 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Tgt Ion: 82	Resp:	806087
Ion Ratio	Lower	Upper
82 100		
128 51.6	40.9	61.3
54 38.5	29.4	44.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

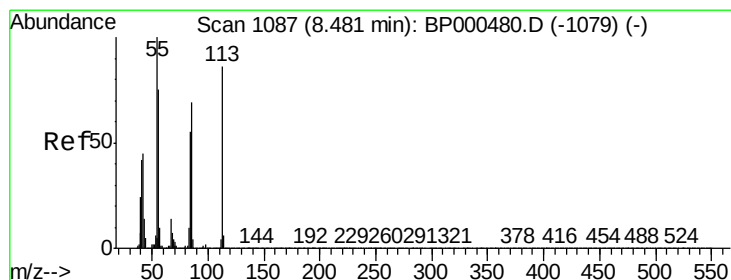
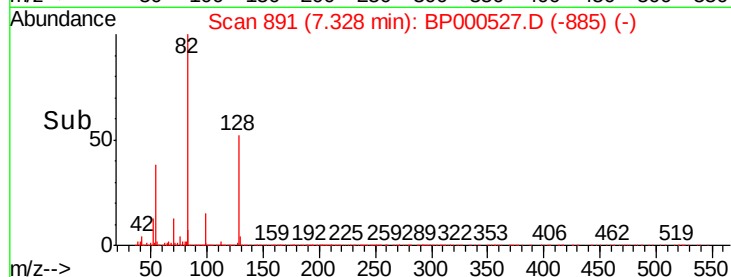
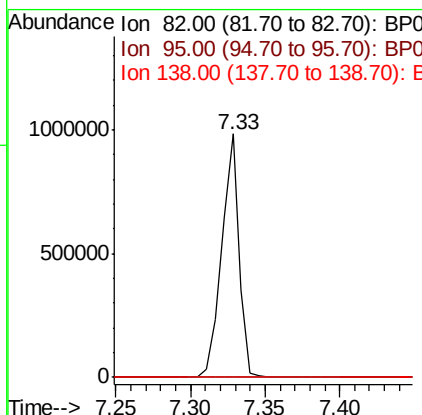
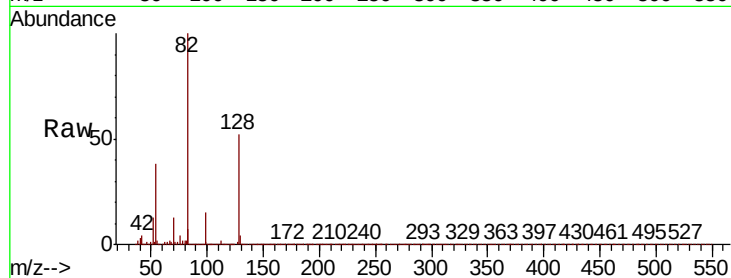




#25
Isophorone
Concen: 38.098 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.26 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

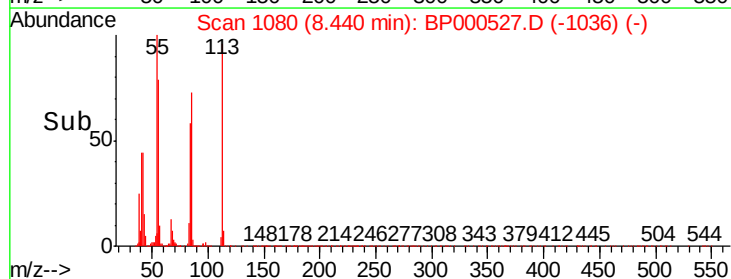
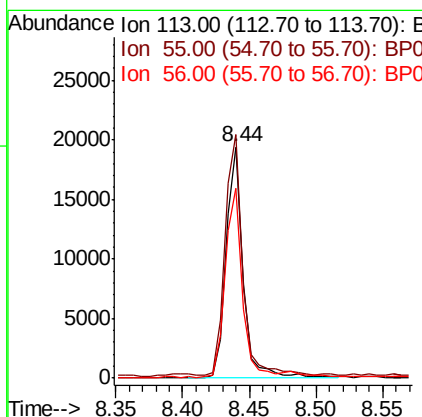
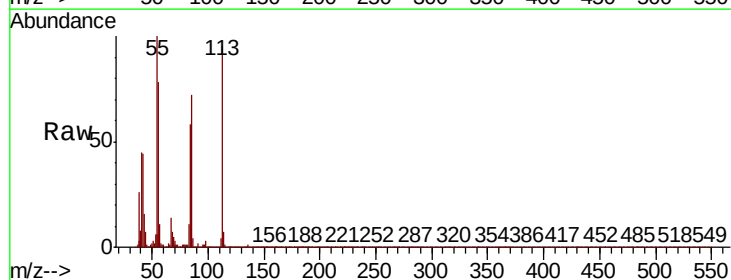
Instrument :
BNA_P
ClientSampled :

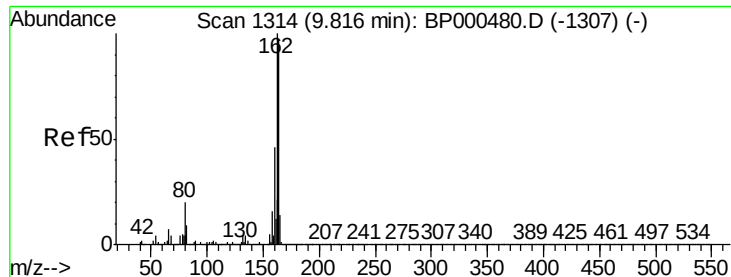
Tot Ion: 82 Resp: 806086
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 17.0 25.4#



#35
Caprolactam
Concen: 5.007 ng
RT: 8.44 min Scan# 1080
Delta R.T. -0.04 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Tgt Ion: 113 Resp: 17576
Ion Ratio Lower Upper
113 100
55 105.3 95.9 135.9
56 82.3 67.2 107.2

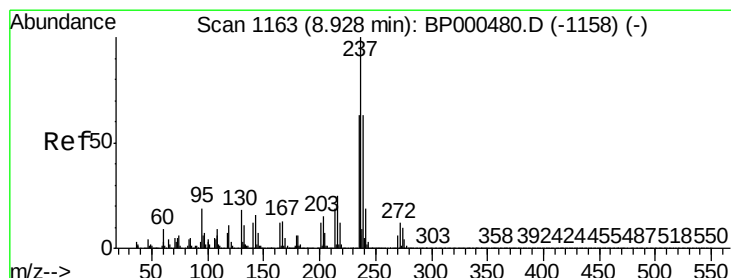
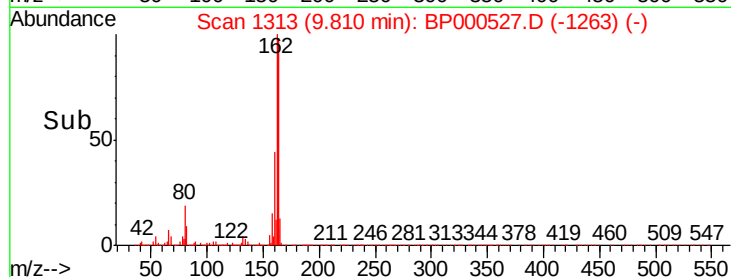
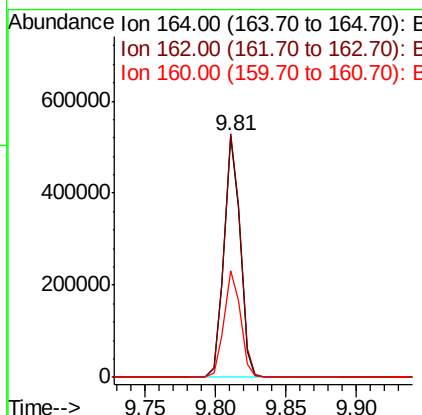
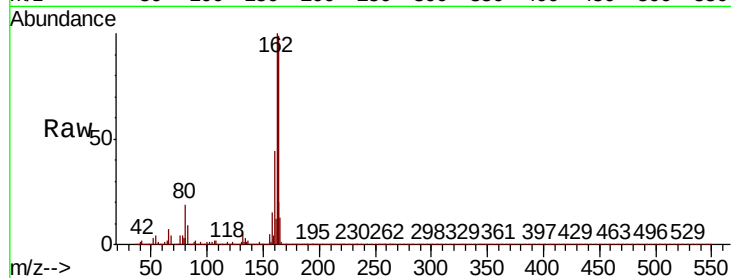




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

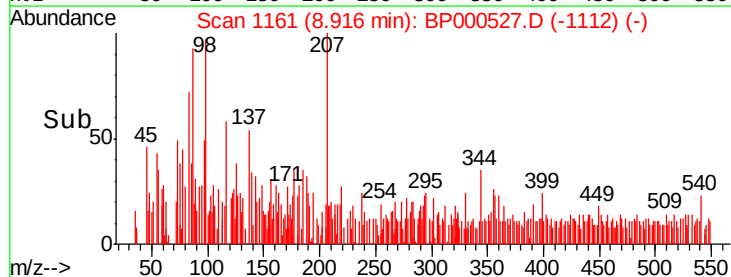
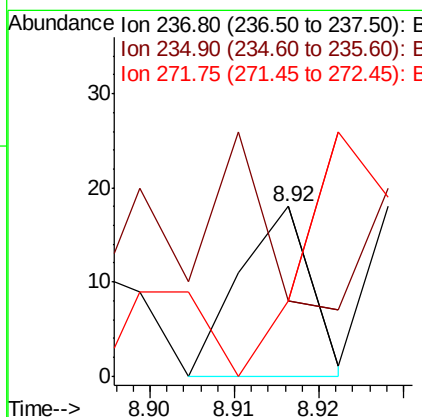
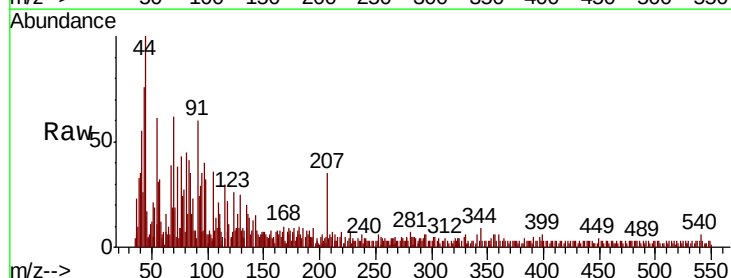
Instrument :
BNA_P
ClientSampleId :

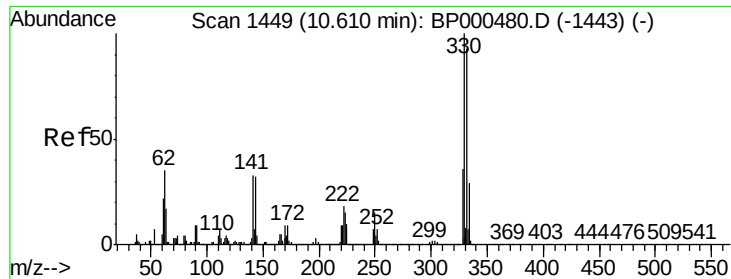
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.2	123.2
160	44.0	37.6	56.4



#41
Hexachlorocyclopentadiene
Concen: 7.299 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Tgt Ion	Ratio	Lower	Upper
237	100		
235	44.4	42.9	82.9
272	44.4	0.0	32.4

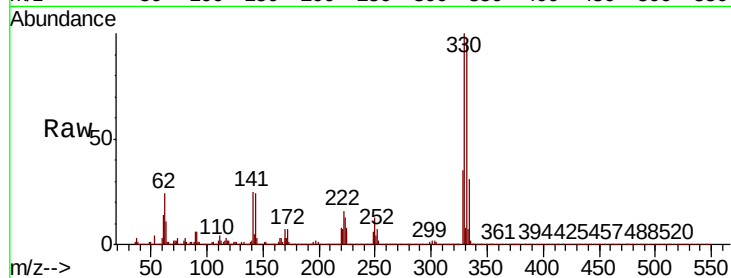




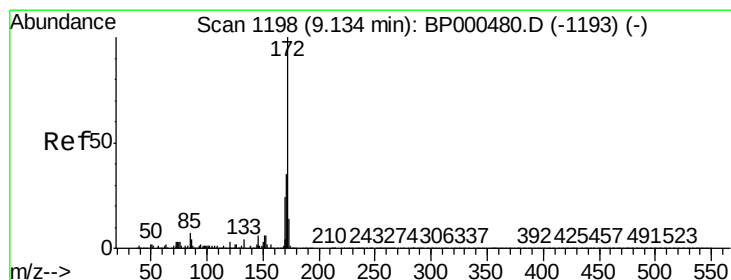
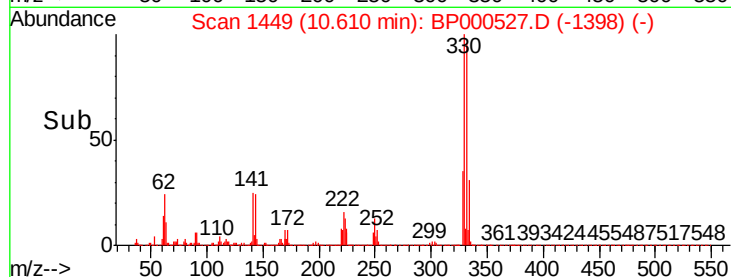
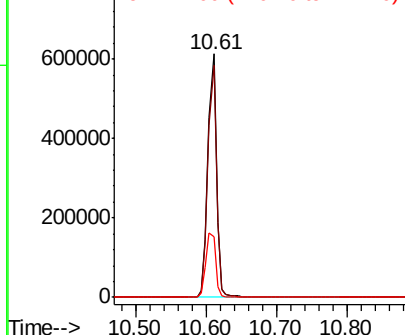
#42
2,4,6-Tribromophenol
Concen: 117.141 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 521650
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 29.8 26.0 39.0

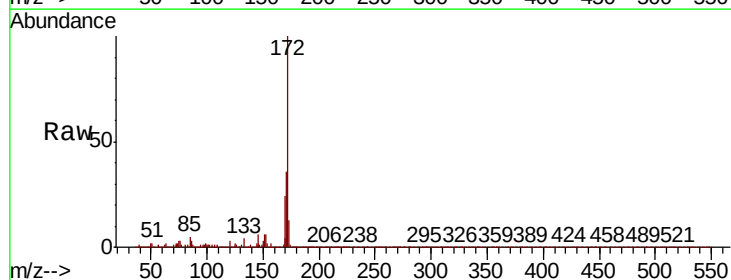


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

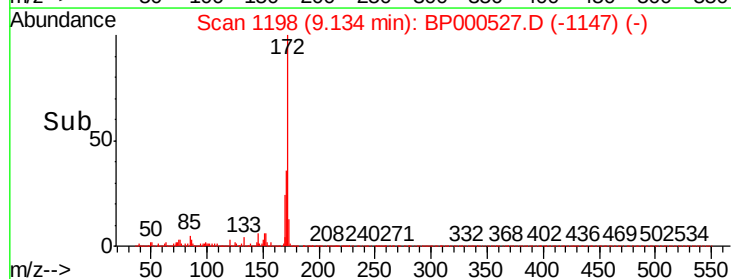
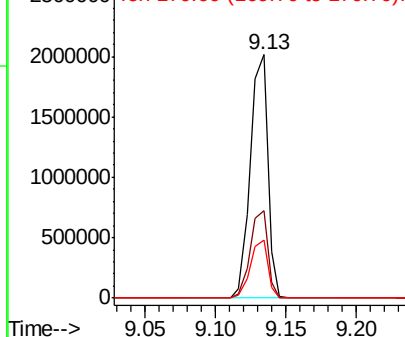


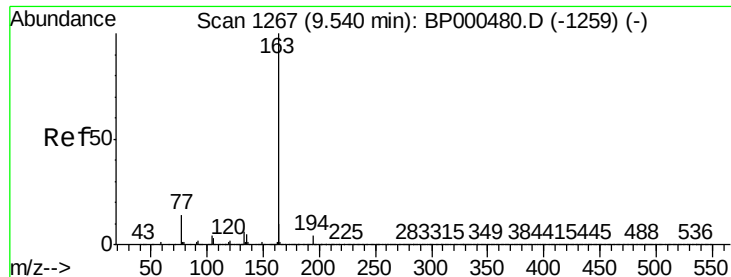
#45
2-Fluorobiphenyl
Concen: 68.684 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Tgt Ion:172 Resp: 1773975
Ion Ratio Lower Upper
172 100
171 36.1 28.4 42.6
170 23.8 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: 9.372 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

Instrument :

BNA_P

ClientSampleId :

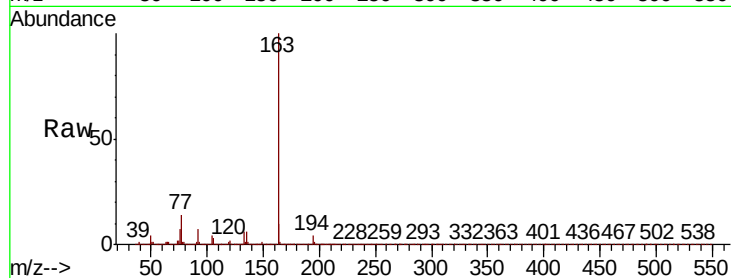
Tot Ion:163 Resp: 272133

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

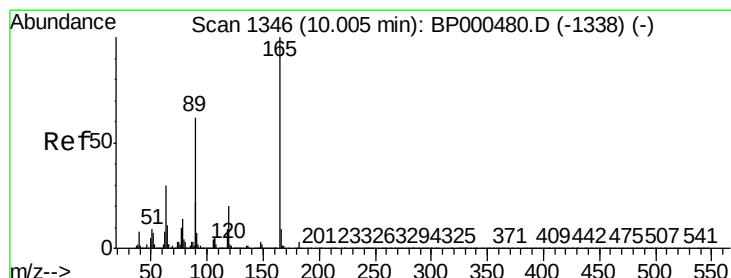
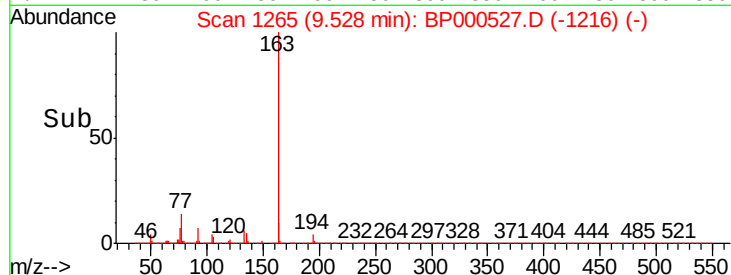
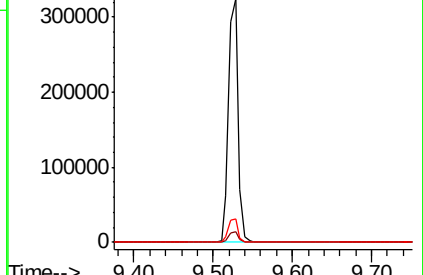
164 9.6 8.0 12.0



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: 6.424 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

Tgt Ion:165 Resp: 53939

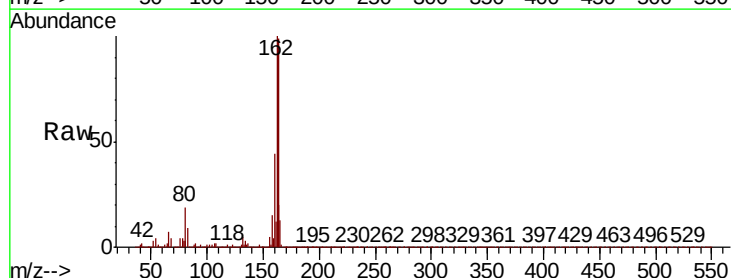
Ion Ratio Lower Upper

165 100

63 1.0 24.2 36.4#

89 1.2 49.4 74.0#

182 0.2 2.5 3.7#

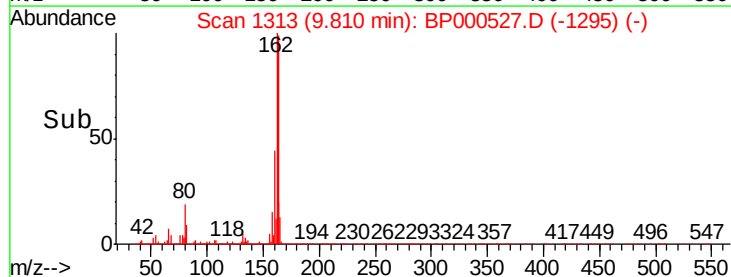
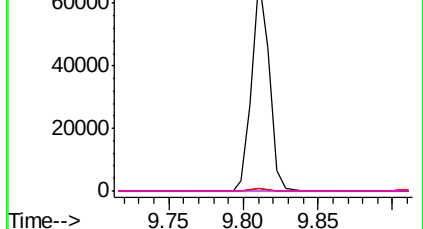


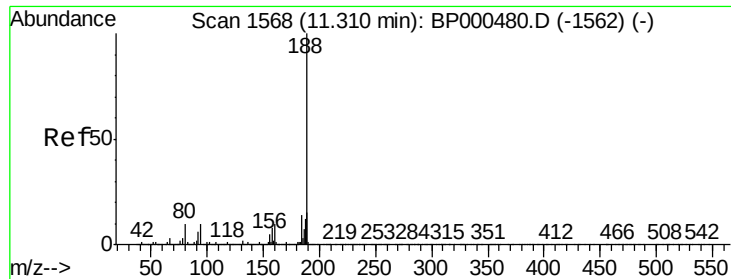
Abundance Ion 165.00 (164.70 to 165.70): E

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: BP000527.D

Acq: 04 Oct 2019 23:13

Instrument :

BNA_P

ClientSampled :

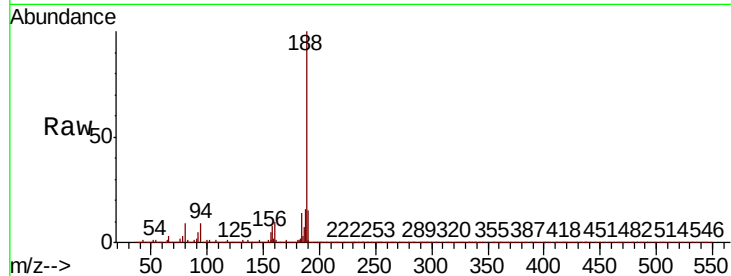
Tot Ion:188 Resp: 949234

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

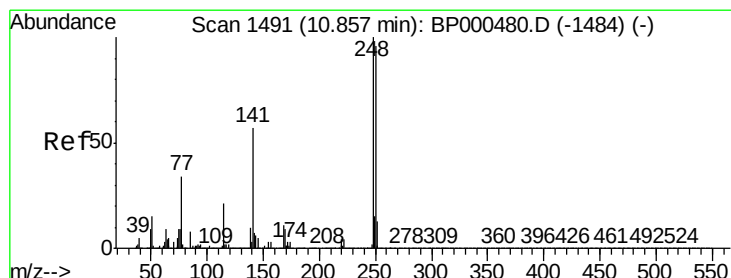
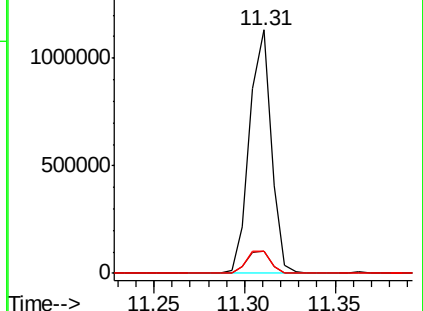
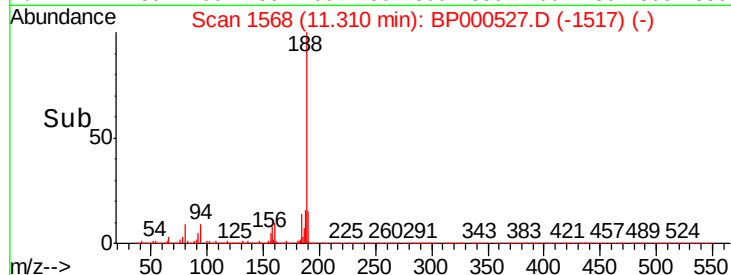
80 9.2 8.3 12.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.237 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.25 min

Lab File: BP000527.D

Acq: 04 Oct 2019 23:13

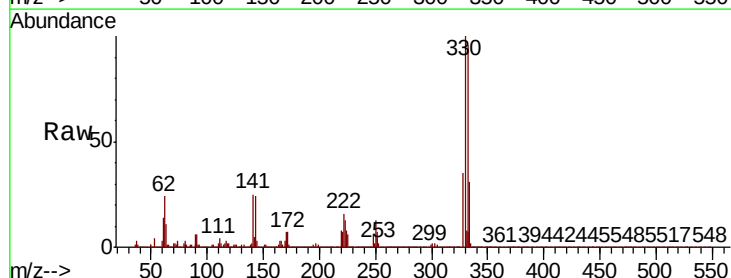
Tgt Ion:248 Resp: 34591

Ion Ratio Lower Upper

248 100

250 206.0 77.2 115.8#

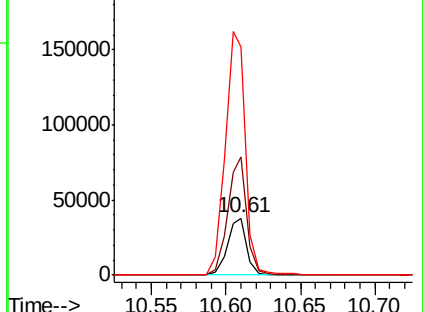
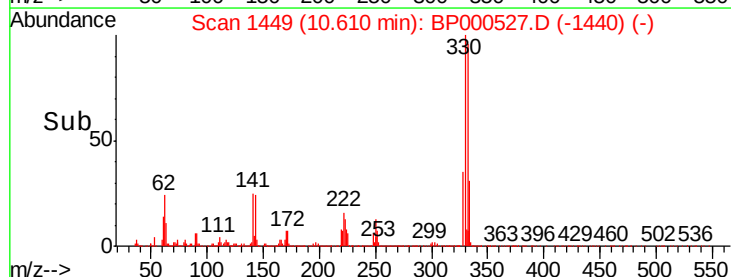
141 397.5 45.3 67.9#

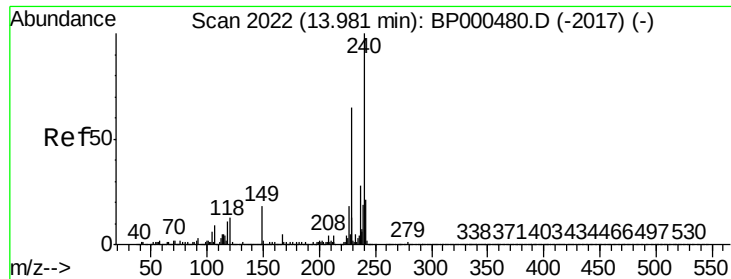


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

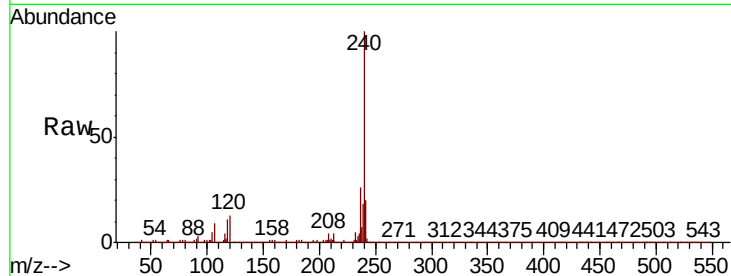




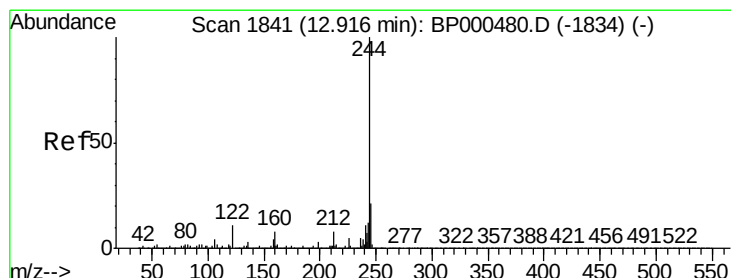
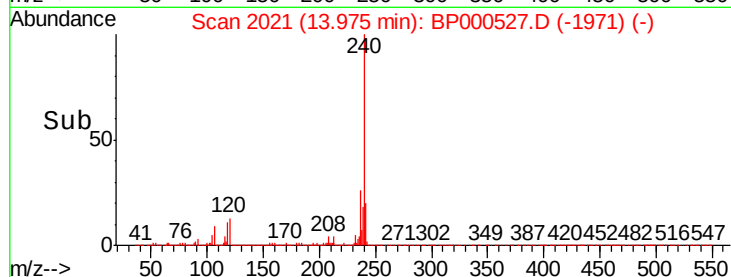
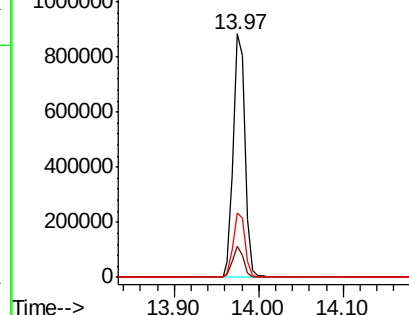
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 841888
Ion Ratio Lower Upper
240 100
120 12.9 10.1 15.1
236 26.2 22.7 34.1

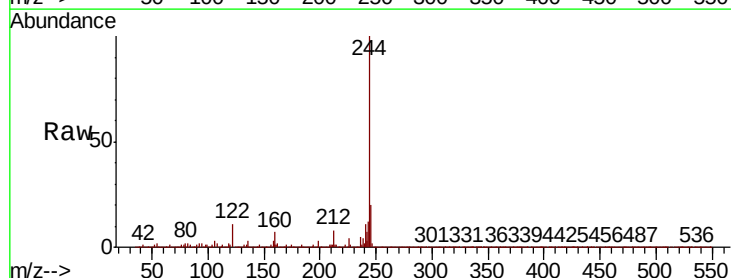


Abundance Ion 240.00 (239.70 to 240.70): E
1200000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

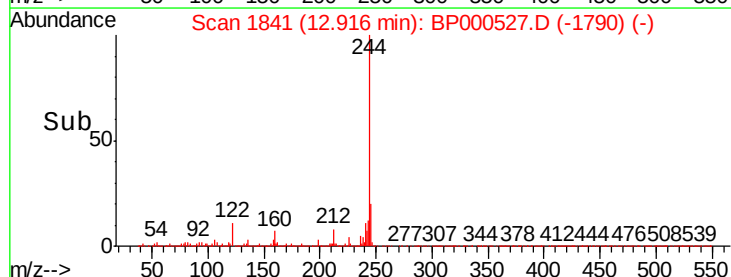
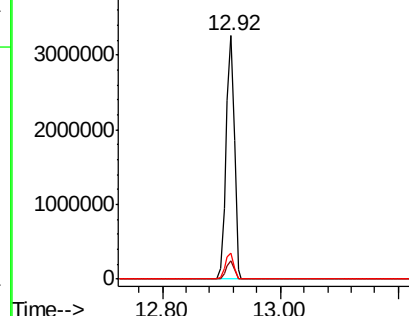


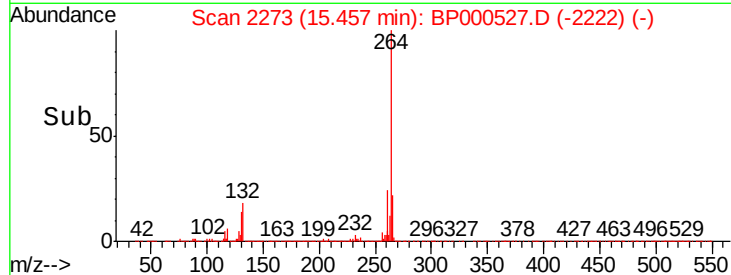
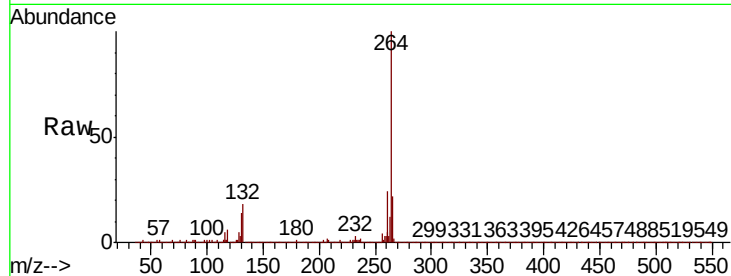
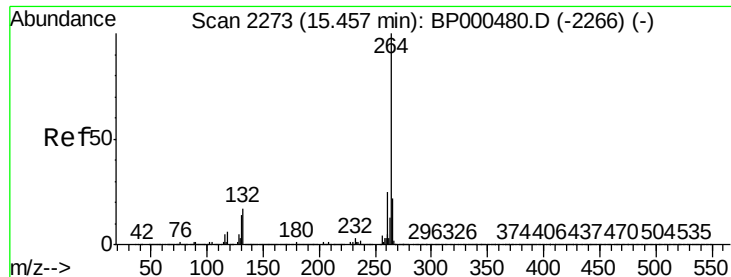
#79
Terphenyl-d14
Concen: 74.710 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Tgt Ion:244 Resp: 3106479
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 10.5 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E
4000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BP000527.D
Acq: 04 Oct 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.3	30.5
265	21.9	18.0	27.0

