

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000525.D
 Acq On : 04 Oct 2019 22:25
 Operator : JU
 Sample : K5158-01DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 04 23:44:02 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	256144	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	957572	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	532096	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	934509	20.00	ng	0.00
76) Chrysene-d12	13.98	240	759450	20.00	ng	0.00
87) Perylene-d12	15.46	264	830667	20.00	ng	0.00

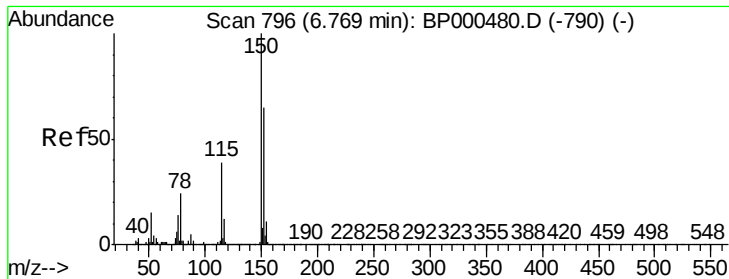
System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	676928	42.48	ng	0.00
7) Phenol-d6	6.40	99	889577	46.33	ng	0.00
23) Nitrobenzene-d5	7.32	82	467022	29.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	258896	45.66	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1146058	34.85	ng	0.00
79) Terphenyl-d14	12.91	244	1239801	33.05	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	56809	6.418	ng	# 75
25) Isophorone	7.32	82	466624	16.769	ng	# 61
41) Hexachlorocyclopentadiene	8.91	237	27	7.301	ng	85
50) Dimethylphthalate	9.53	163	160610	4.344	ng	99
51) 2,6-Dinitrotoluene	9.81	165	70102	8.695	ng	# 35
57) 2,4-Dinitrotoluene	9.81	165	70102	6.558	ng	# 31
69) Atrazine	11.12	200	79068	8.852	ng	# 36
70) Pentachlorophenol	11.12	266	432599	90.100	ng	97
75) Fluoranthene	12.53	202	410655	7.791	ng	98
78) Pyrene	12.76	202	511573	9.767	ng	98
81) Benzo(a)anthracene	13.97	228	266130	5.743	ng	95
83) Chrysene	14.00	228	222099	4.883	ng	96
88) Benzo(b)fluoranthene	15.03	252	522761	11.093	ng	97
89) Benzo(k)fluoranthene	15.03	252	522761	11.652	ng	# 97
90) Benzo(a)pyrene	15.39	252	187737	4.274	ng	# 96
92) Benzo(g,h,i)perylene	17.37	276	87085	2.011	ng	95

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

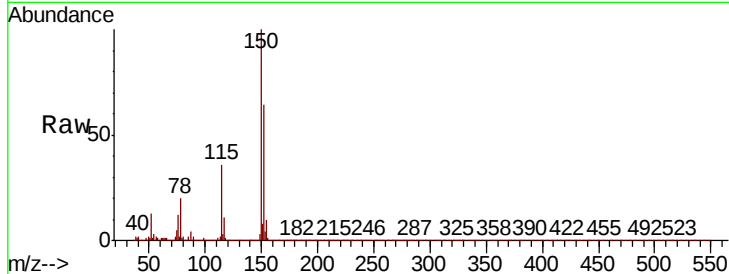


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.1	186.1
115	56.4	48.7	73.1

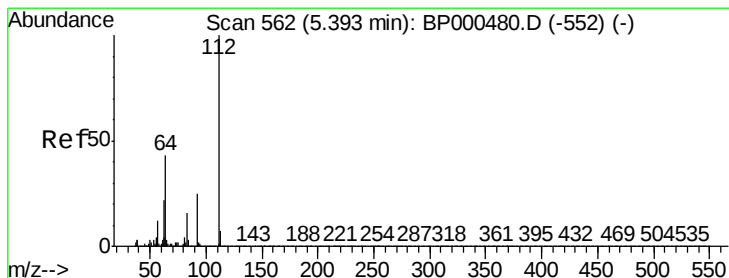
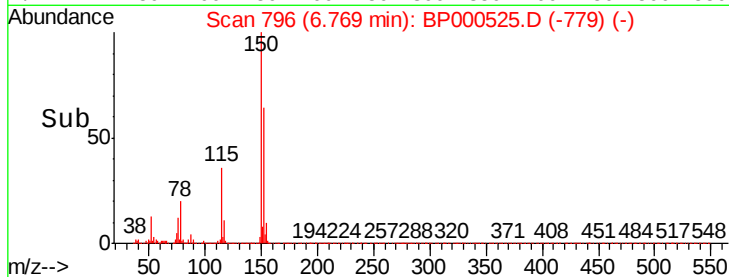
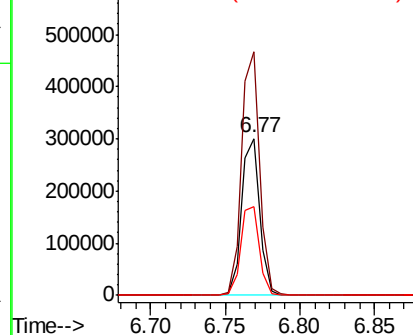


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

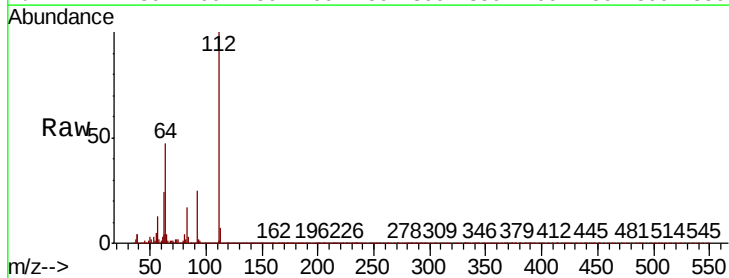
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.481 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.8	34.2	51.4
63	23.8	17.9	26.9

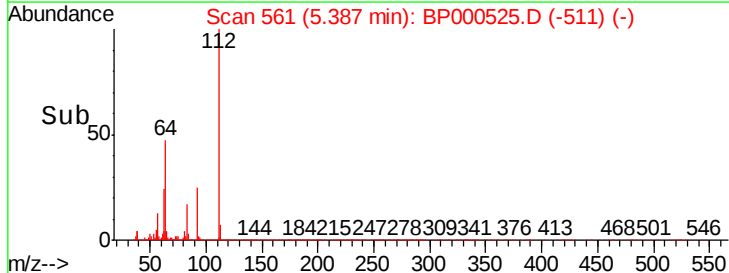
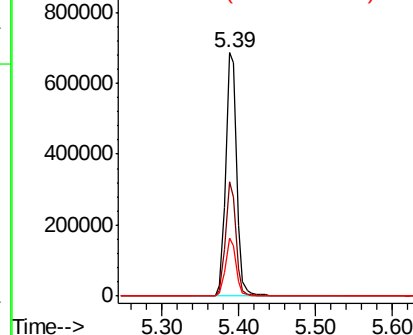


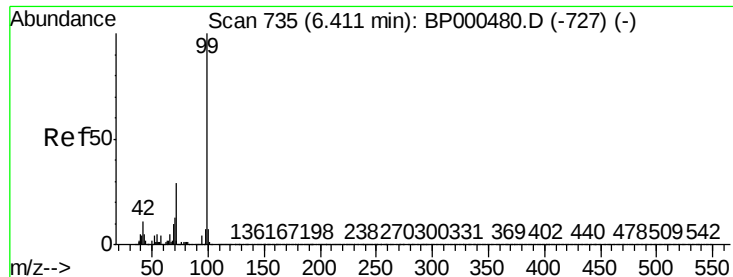
Abundance

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: 46.327 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

Instrument :

BNA_P

ClientSampled :

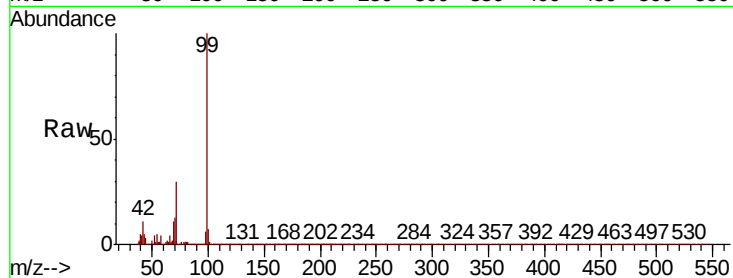
Tot Ion: 99 Resp: 889577

Ion Ratio Lower Upper

99 100

42 11.3 8.6 12.8

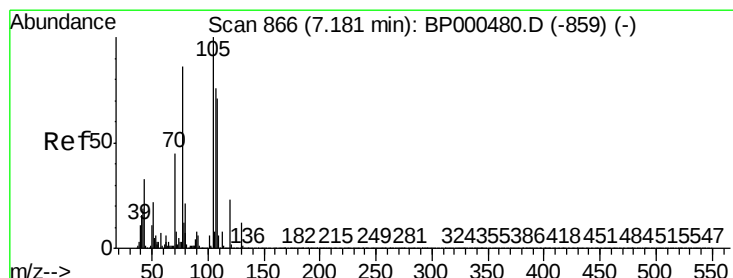
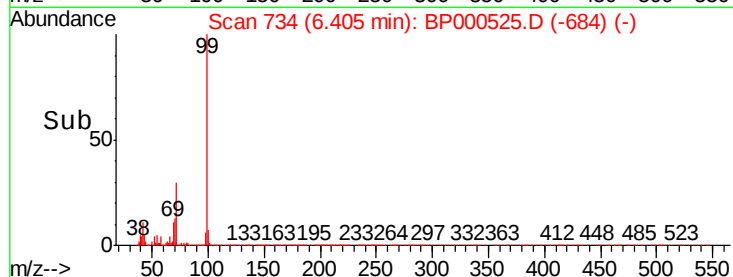
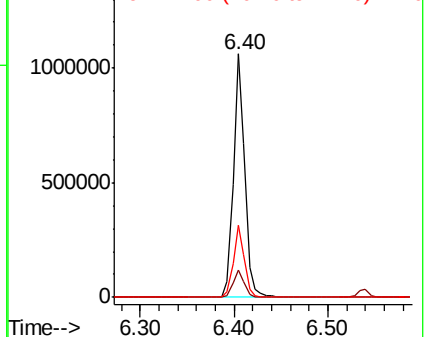
71 29.6 23.0 34.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.418 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

Tgt Ion: 70 Resp: 56809

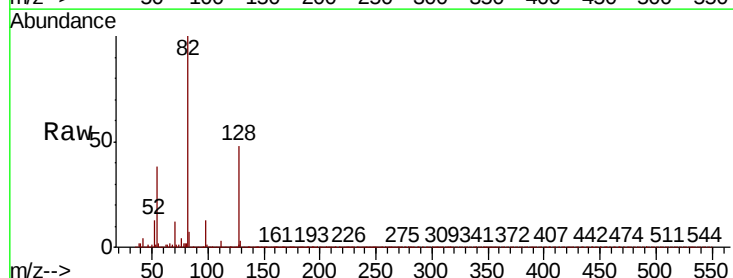
Ion Ratio Lower Upper

70 100

42 36.1 33.2 49.8

101 0.0 9.9 14.9#

130 2.4 21.8 32.8#

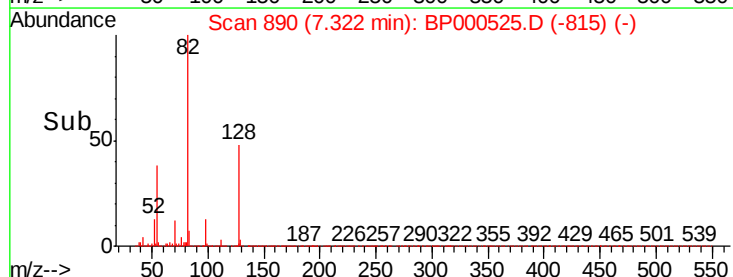
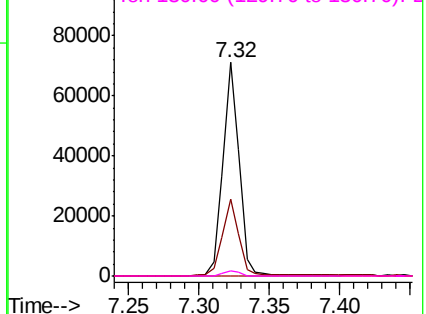


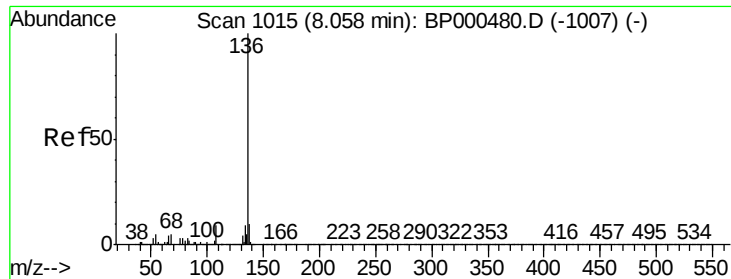
Abundance Ion 70.00 (69.70 to 70.70): BP0

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

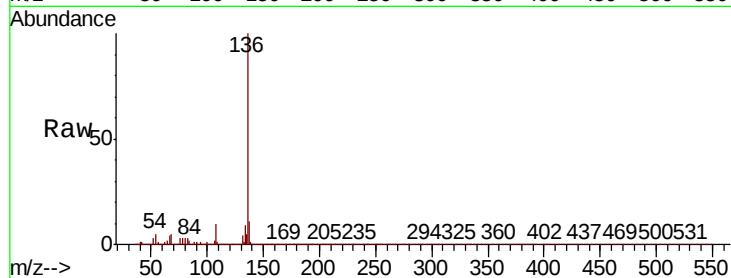




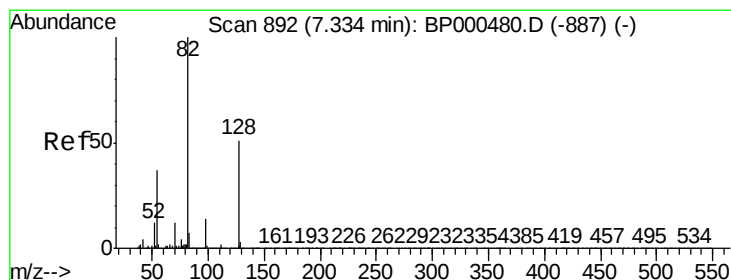
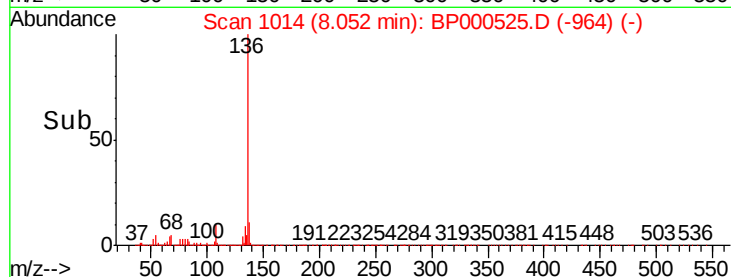
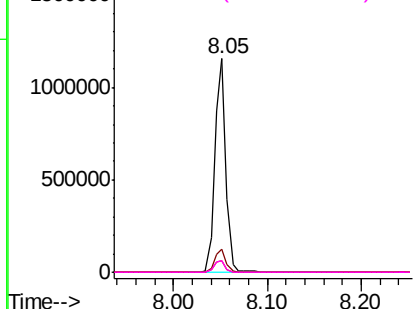
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp:	957572
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.2	12.4
54 5.2	4.1	6.1
68 5.2	4.1	6.1

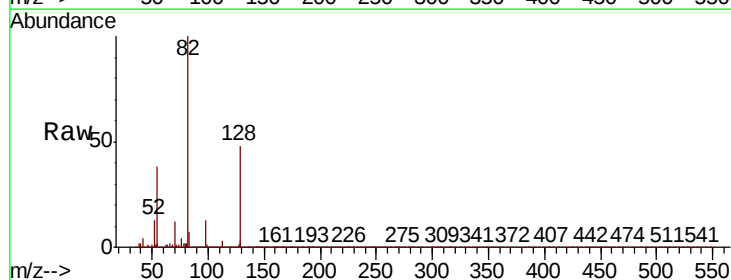


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

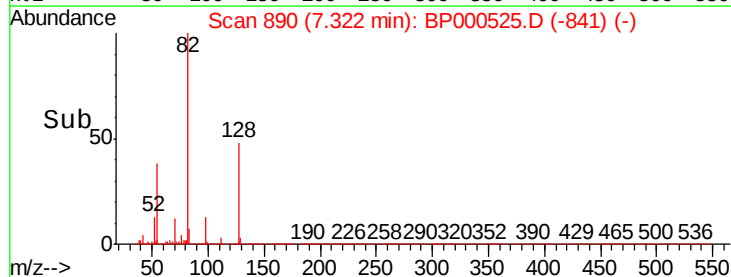
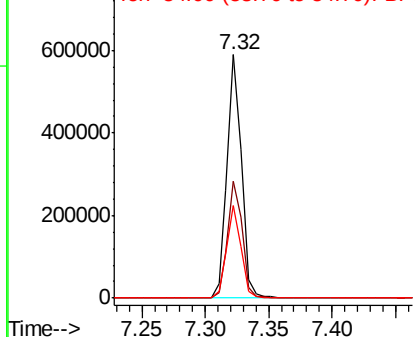


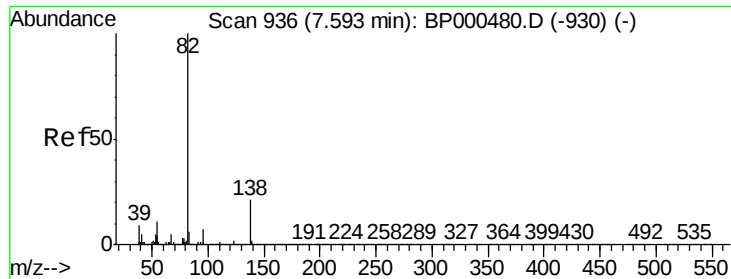
#23
Nitrobenzene-d5
Concen: 29.787 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Tgt Ion: 82	Resp: 467022
Ion Ratio	Lower Upper
82 100	
128 48.1	40.9 61.3
54 38.2	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: 16.769 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

Instrument :

BNA_P

ClientSampleId :

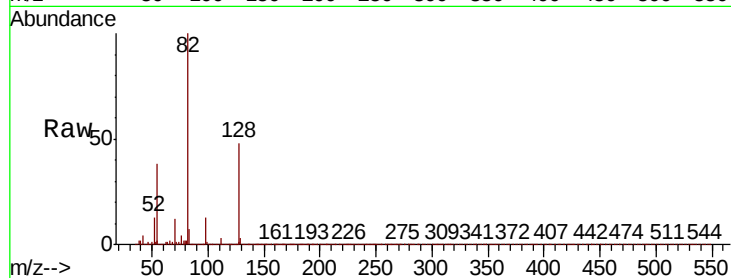
Tot Ion: 82 Resp: 466624

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

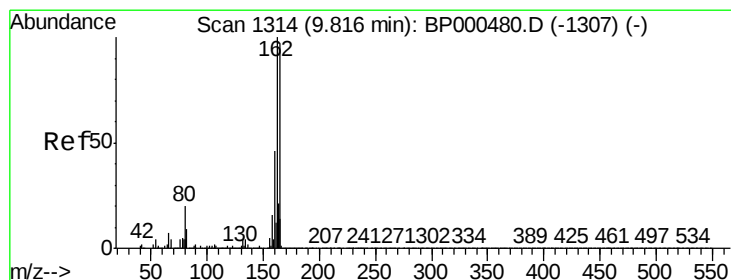
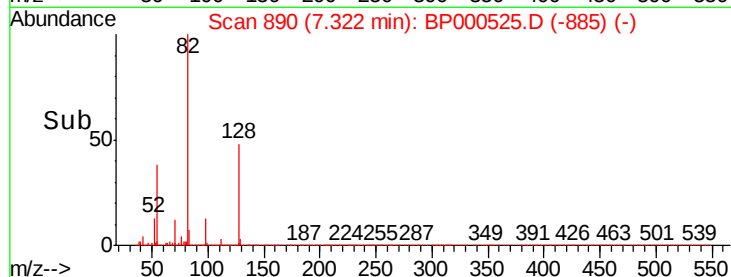
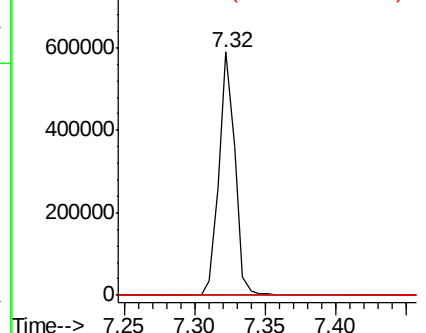
138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

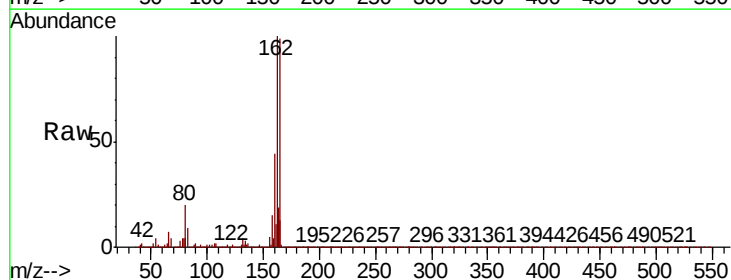
Tgt Ion:164 Resp: 532096

Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.2

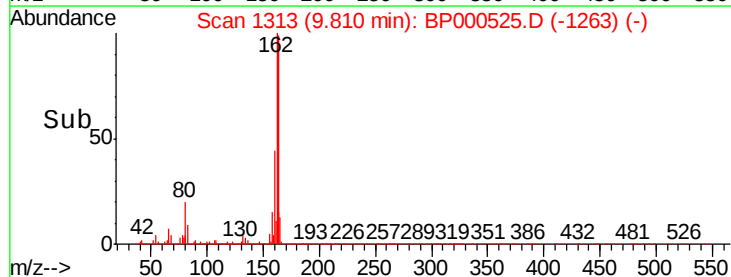
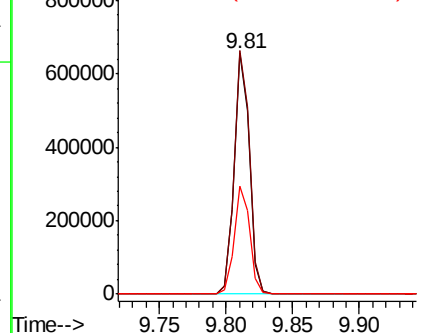
160 44.6 37.6 56.4

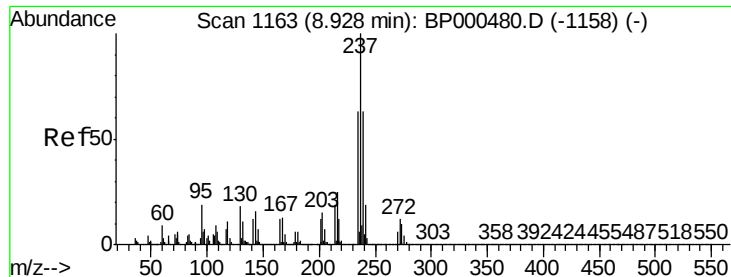


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.301 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BP000525.D

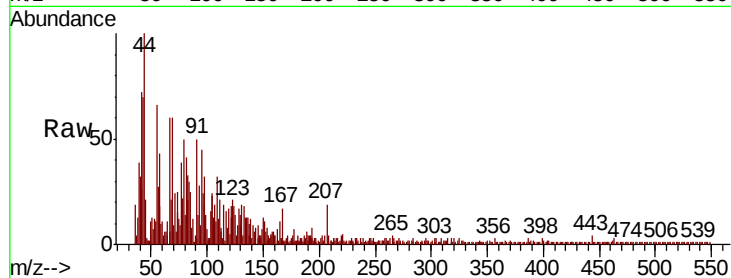
Acq: 04 Oct 2019 22:25

Instrument :

BNA_P

ClientSampled :

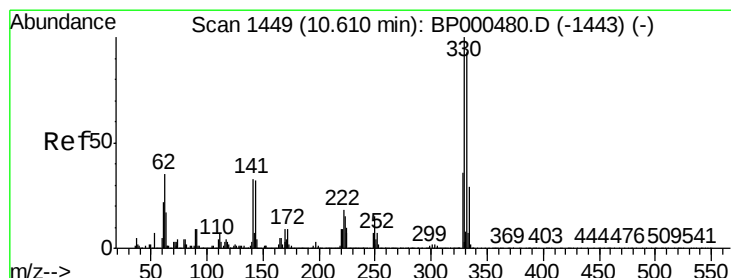
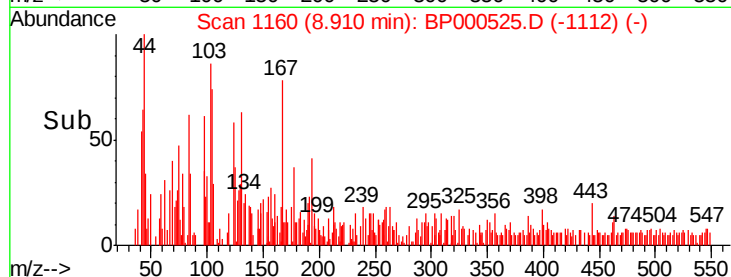
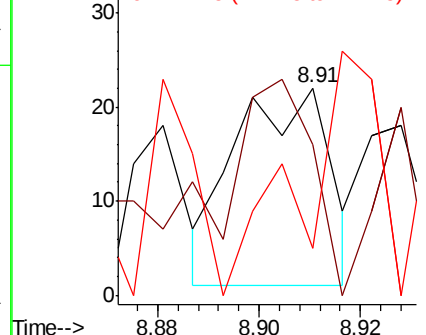
Tot Ion:	237	Resp:	27
Ion	Ratio	Lower	Upper
237	100		
235	72.7	42.9	82.9
272	22.7	0.0	32.4



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: 45.660 ng

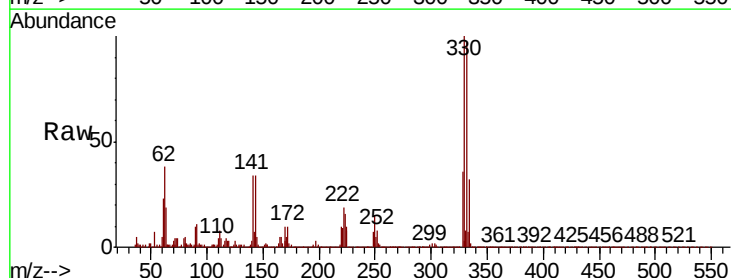
RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

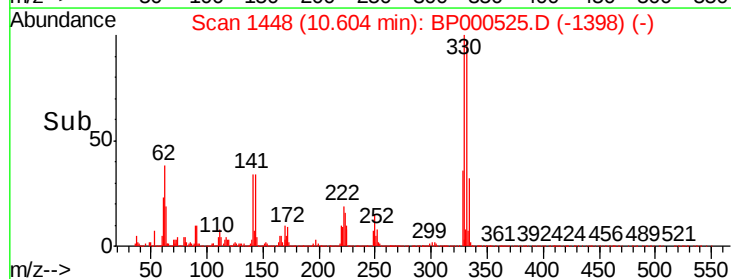
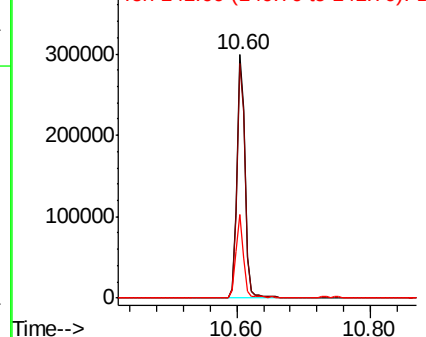
Tgt Ion:	330	Resp:	258896
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	32.1	26.0	39.0

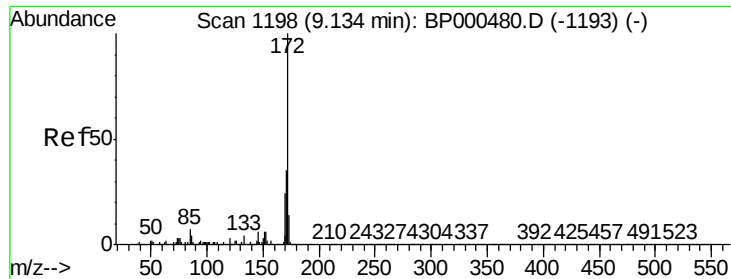


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

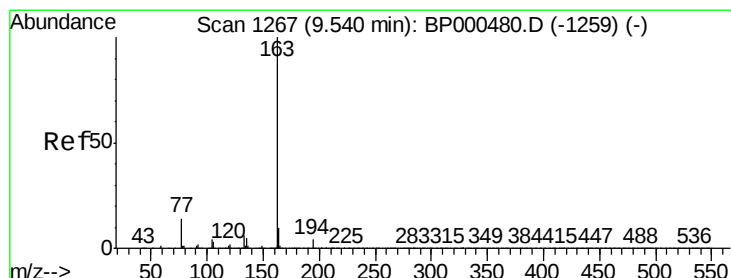
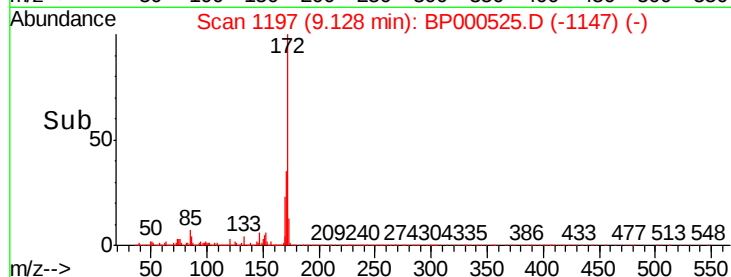
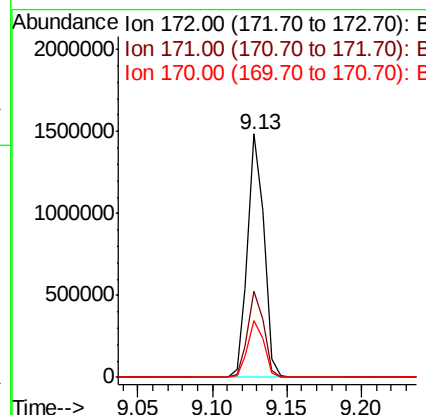
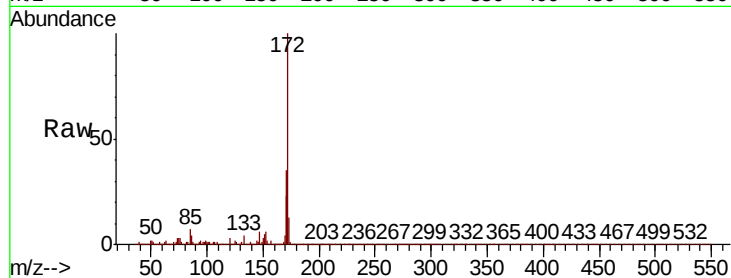




#45
2-Fluorobiphenyl
Concen: 34.849 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

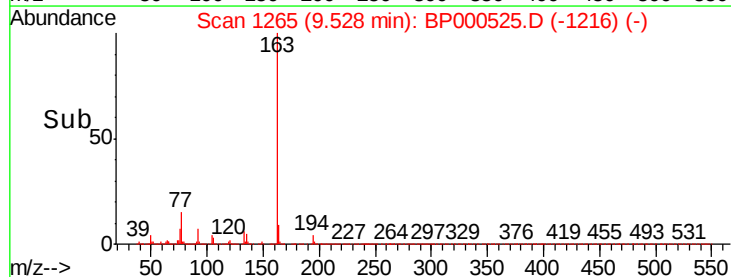
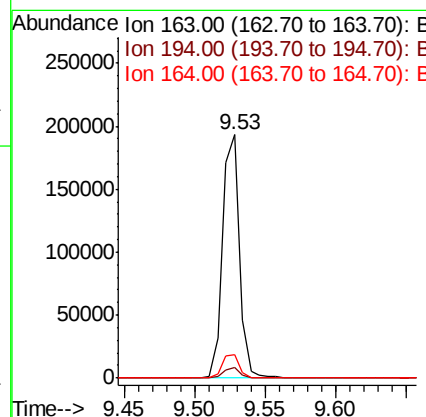
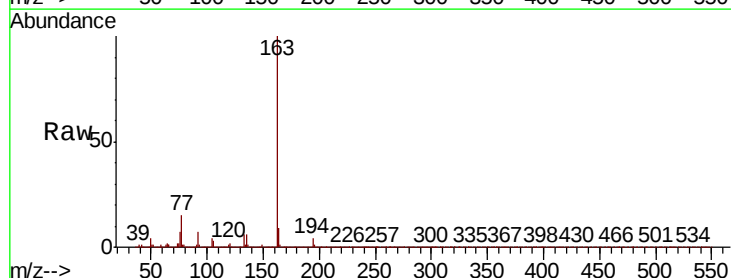
Instrument :
BNA_P
ClientSampleId :

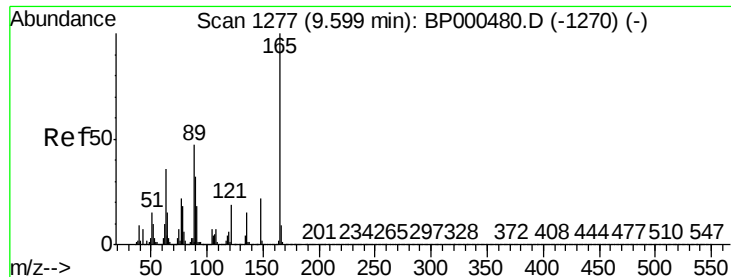
Tot Ion:172 Resp: 1146058
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.3 19.1 28.7



#50
Dimethylphthalate
Concen: 4.344 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Tgt Ion:163 Resp: 160610
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 9.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.695 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.21 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

Instrument :

BNA_P

ClientSampleId :

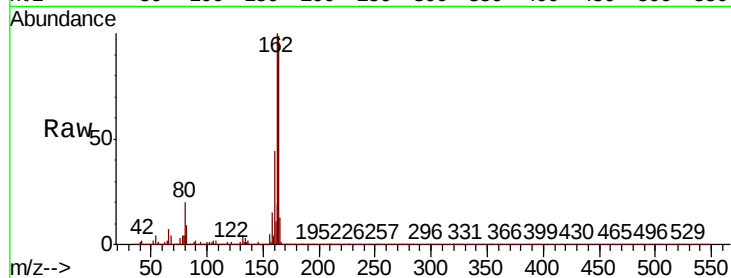
Tot Ion:165 Resp: 70102

Ion Ratio Lower Upper

165 100

63 0.8 29.9 44.9#

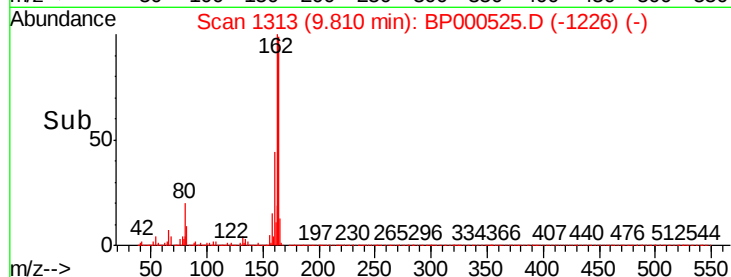
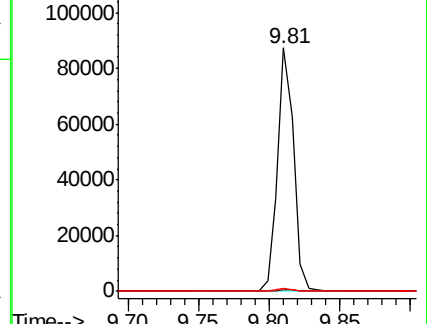
89 1.2 37.3 55.9#



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



#57

2,4-Dinitrotoluene

Concen: 6.558 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

Tgt Ion:165 Resp: 70102

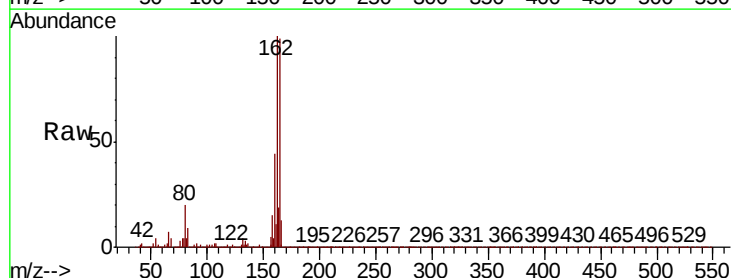
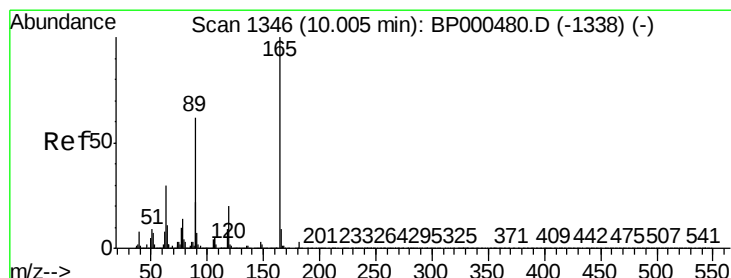
Ion Ratio Lower Upper

165 100

63 0.8 24.2 36.4#

89 1.2 49.4 74.0#

182 0.2 2.5 3.7#

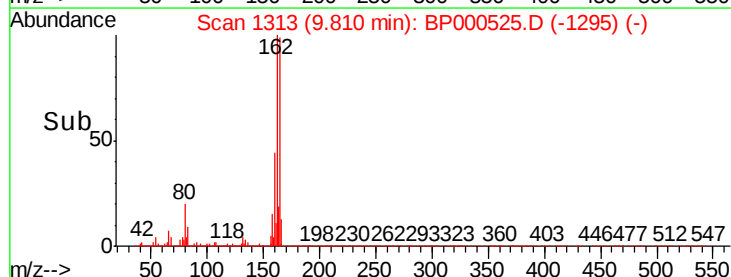
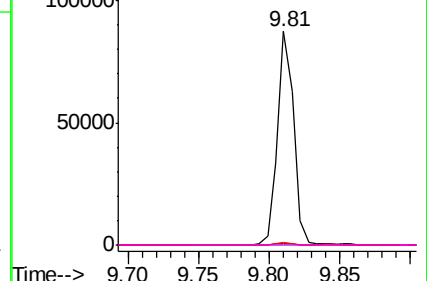


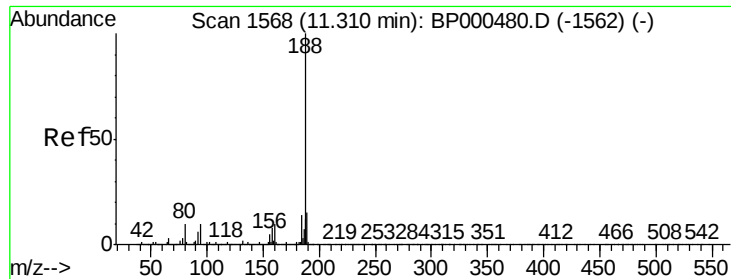
Abundance Ion 165.00 (164.70 to 165.70): E

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: BP000525.D

Acq: 04 Oct 2019 22:25

Instrument :

BNA_P

ClientSampleId :

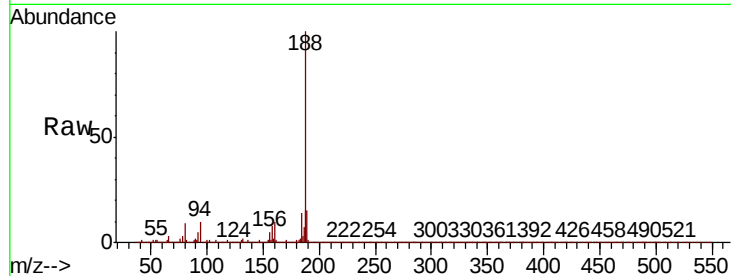
Tot Ion:188 Resp: 934509

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

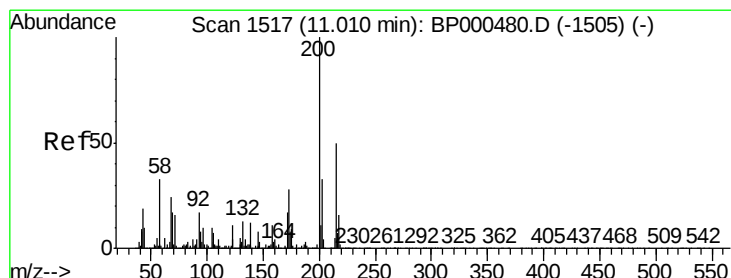
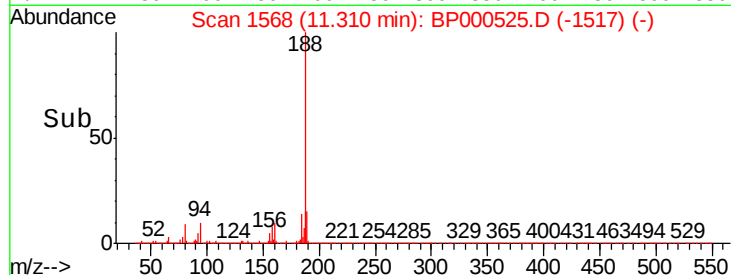
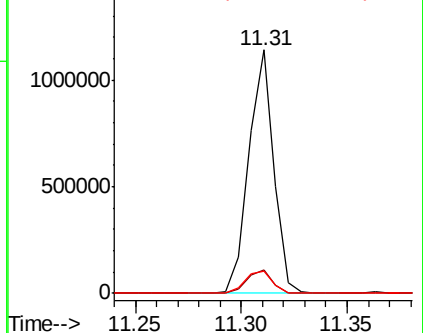
80 9.4 8.3 12.5



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



#69

Atrazine

Concen: 8.852 ng

RT: 11.12 min Scan# 1535

Delta R.T. 0.11 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

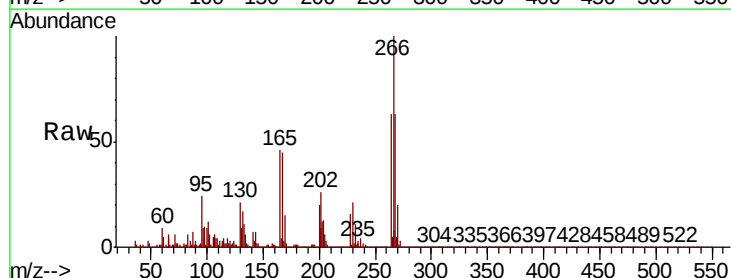
Tgt Ion:200 Resp: 79068

Ion Ratio Lower Upper

200 100

173 0.9 7.6 47.6#

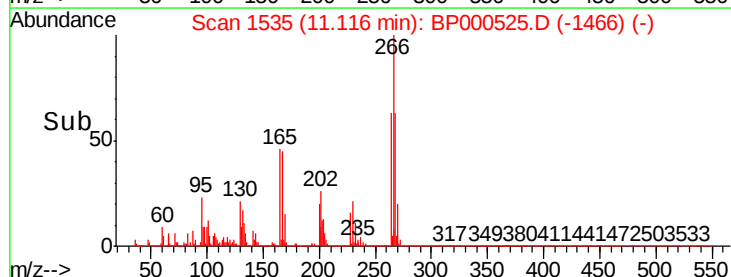
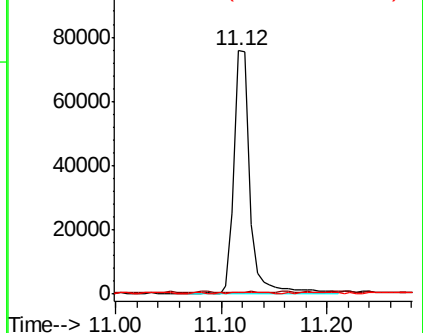
215 0.5 29.5 69.5#

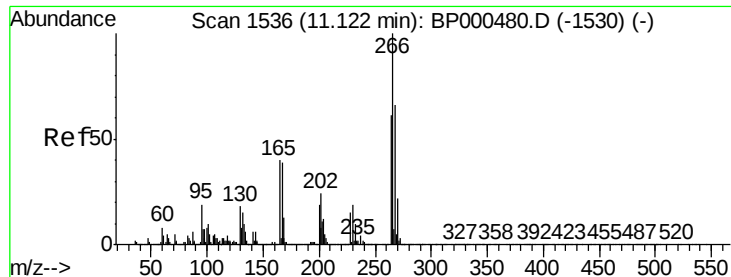


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

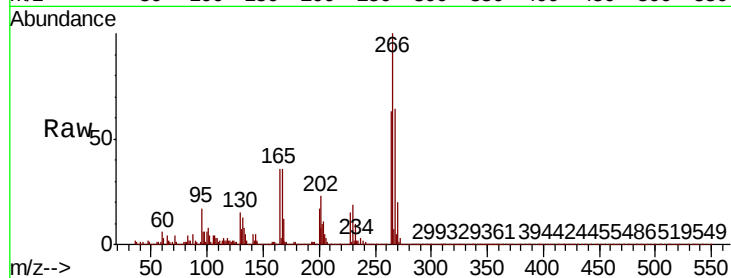




#70
 Pentachlorophenol
 Concen: 90.100 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BP000525.D
 Acq: 04 Oct 2019 22:25

Instrument :
 BNA_P
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.8	53.2	79.8
264	62.6	49.0	73.4

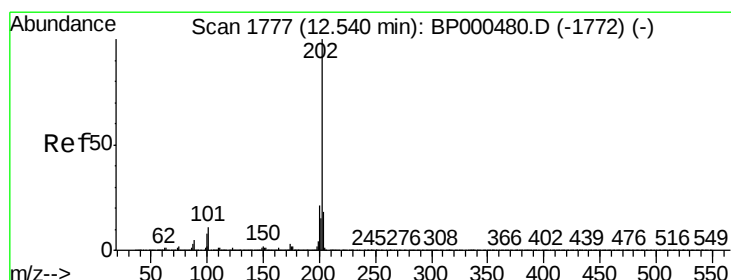
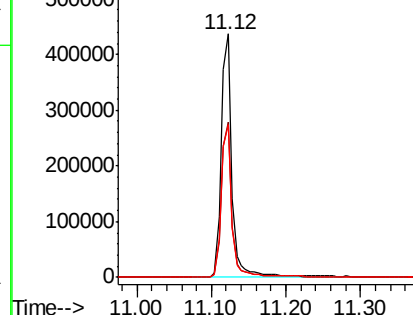
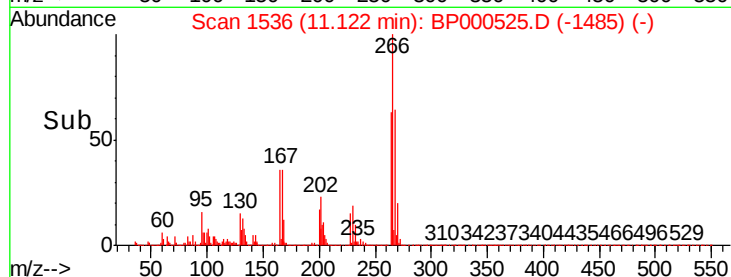


Abundance

Ion 265.70 (265.40 to 266.40): E

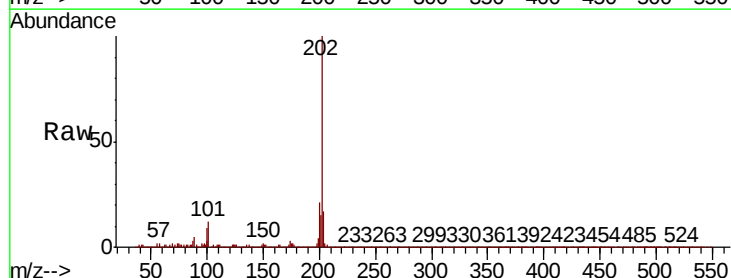
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75
 Fluoranthene
 Concen: 7.791 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BP000525.D
 Acq: 04 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.3
203	17.3	0.0	38.1

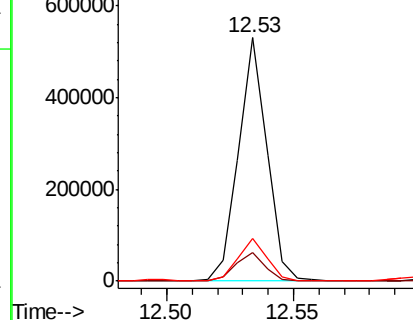
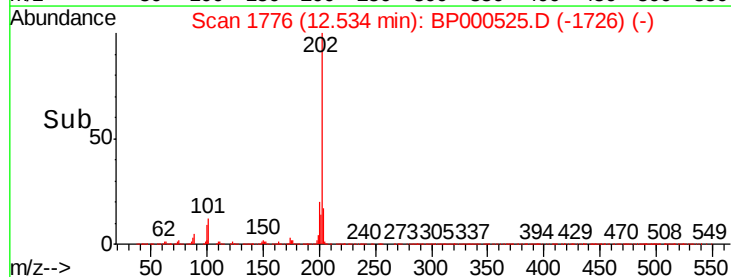


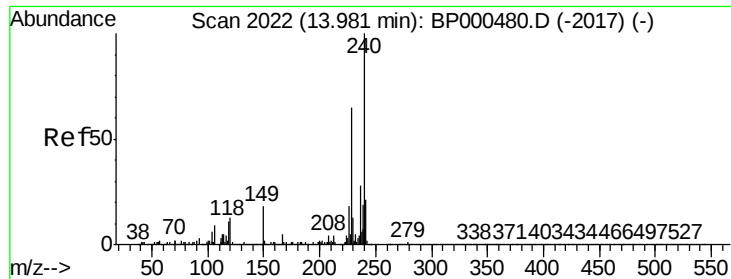
Abundance

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

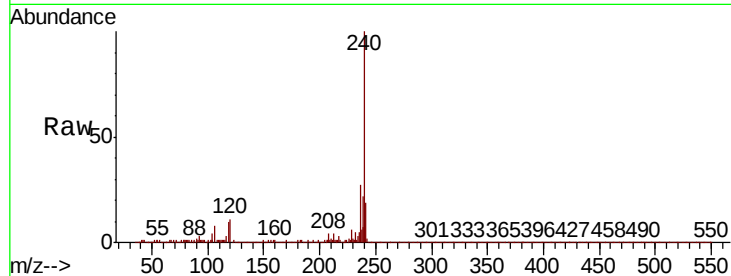




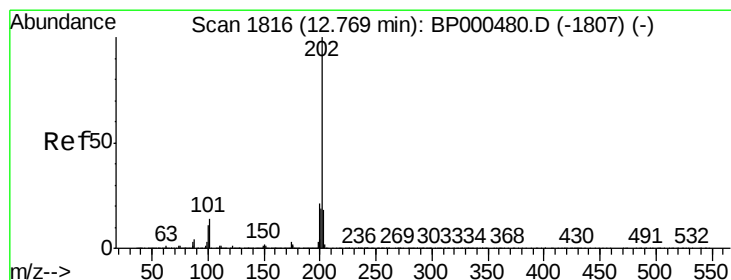
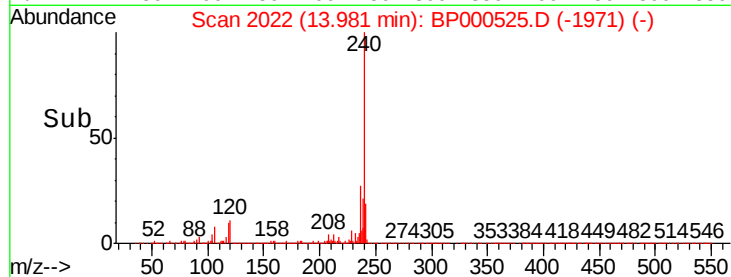
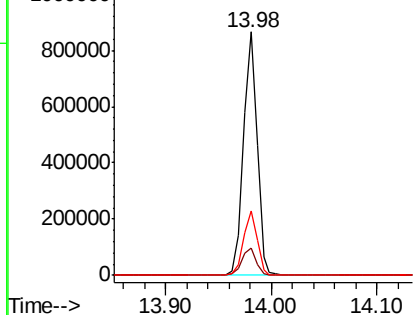
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Instrument :
BNA_P
ClientSampleID :

Tot Ion:240 Resp: 759450
Ion Ratio Lower Upper
240 100
120 11.2 10.1 15.1
236 26.6 22.7 34.1

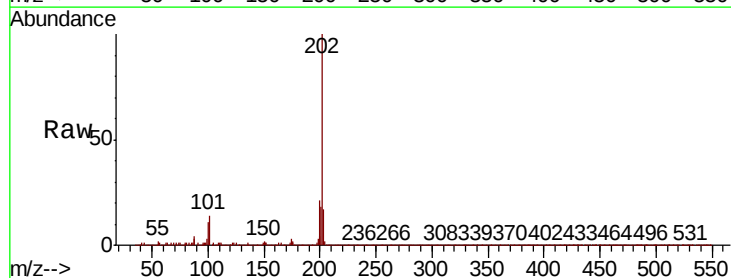


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

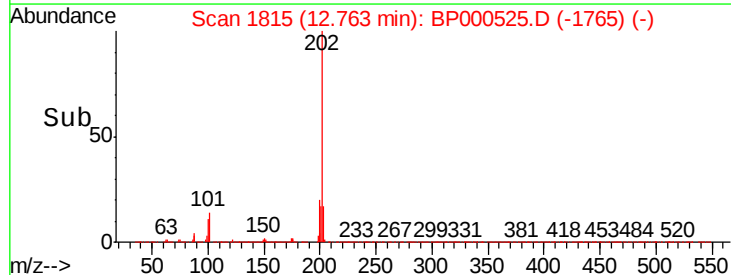
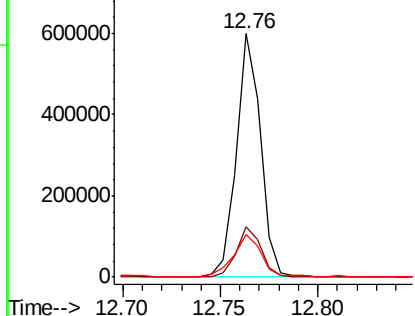


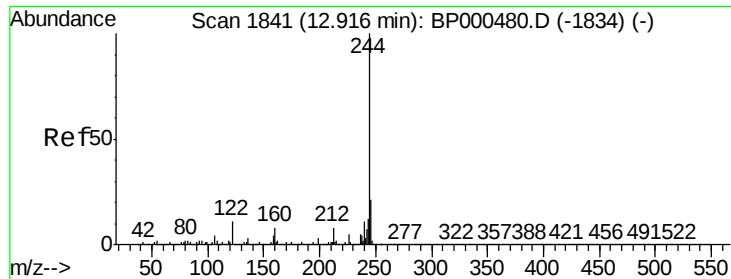
#78
Pyrene
Concen: 9.767 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Tgt Ion:202 Resp: 511573
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.3 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

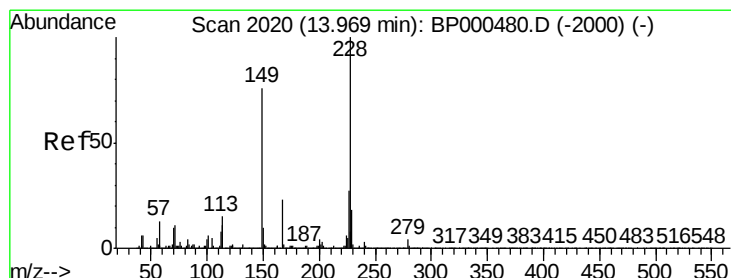
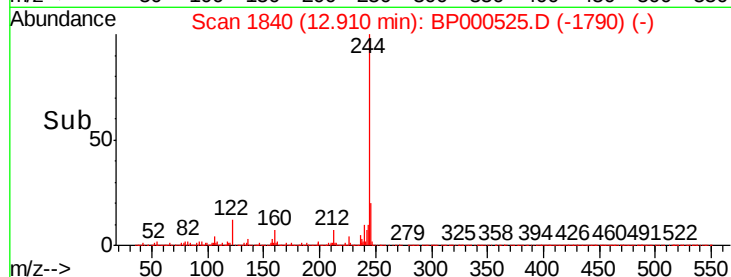
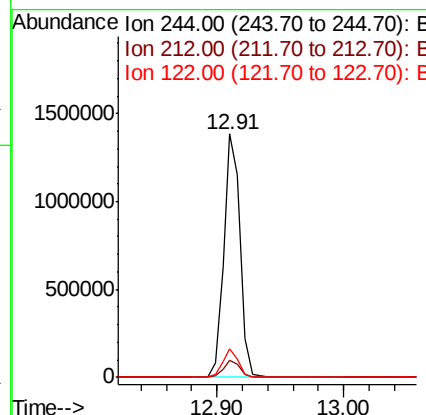
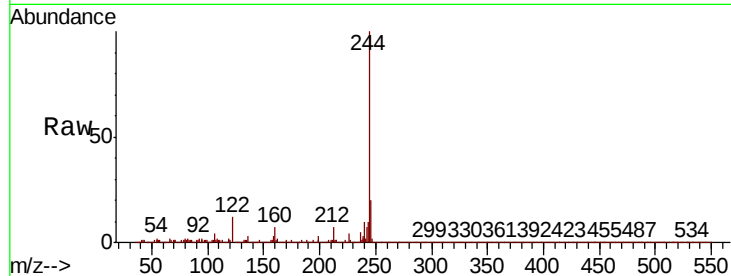




#79
 Terphenyl-d14
 Concen: 33.054 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BP000525.D
 Acq: 04 Oct 2019 22:25

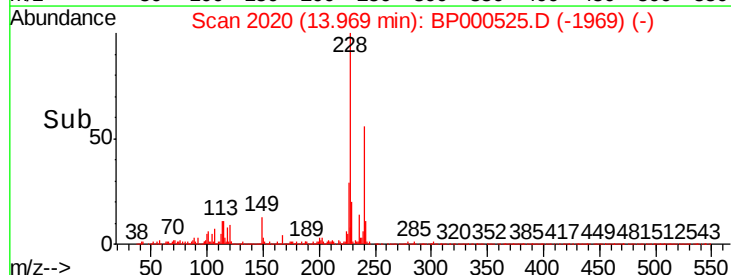
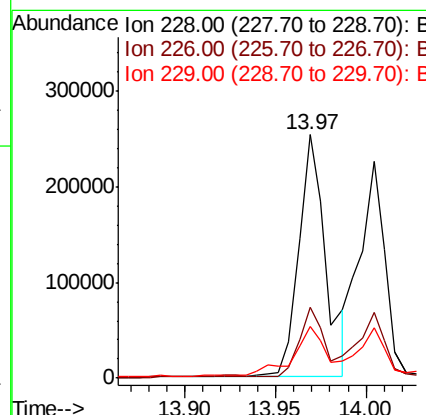
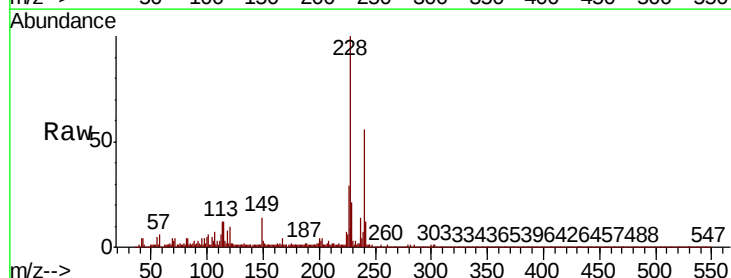
Instrument :
 BNA_P
 ClientSampleId :

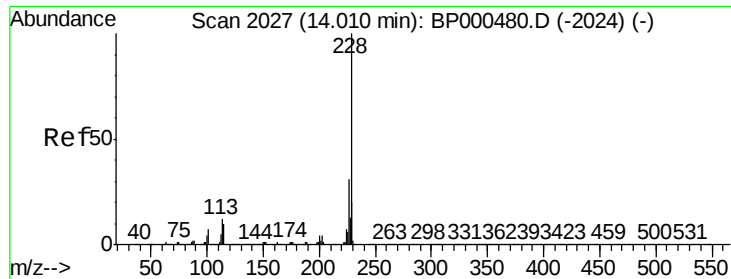
Tot Ion:244 Resp: 1239801
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 11.6 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 5.743 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: BP000525.D
 Acq: 04 Oct 2019 22:25

Tgt Ion:228 Resp: 266130
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.4 32.2
 229 21.0 14.7 22.1

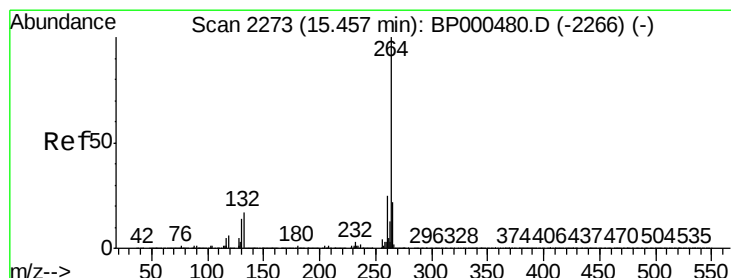
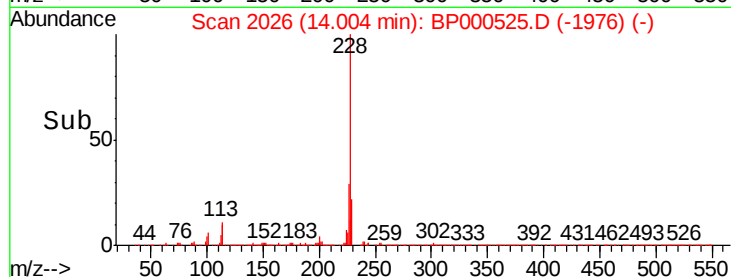
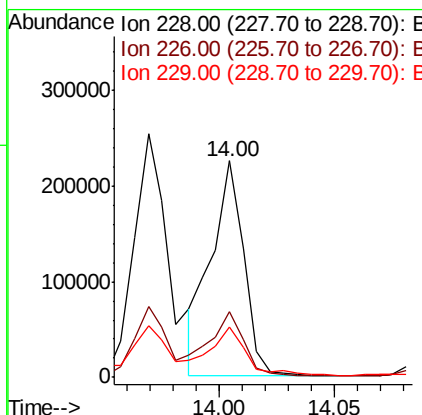
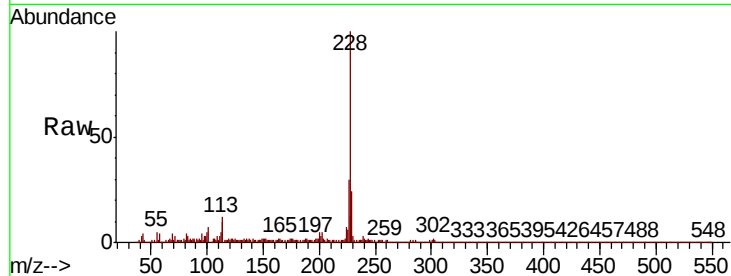




#83
Chrysene
Concen: 4.883 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

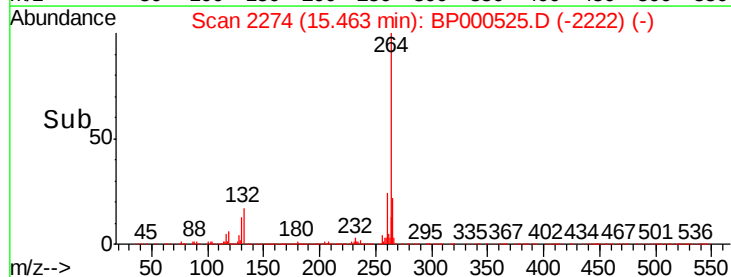
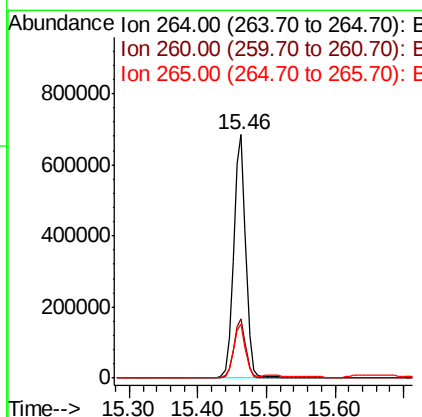
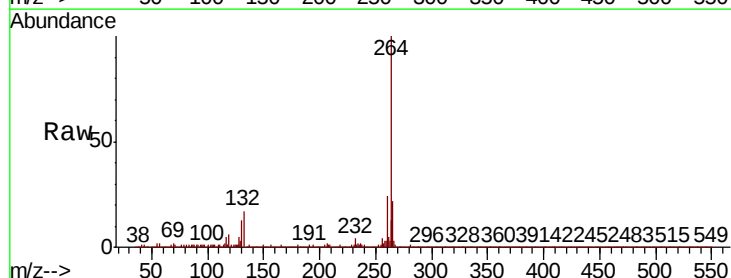
Instrument :
BNA_P
ClientSampleId :

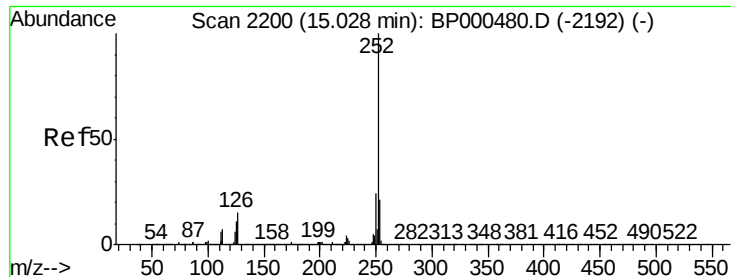
Tot Ion:228	Resp:	222099
Ion	Ratio	Lower Upper
228	100	
226	30.1	24.7 37.1
229	23.6	16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Tgt Ion:264	Resp:	830667
Ion	Ratio	Lower Upper
264	100	
260	24.3	20.3 30.5
265	22.3	18.0 27.0





#88

Benzo(b)fluoranthene

Concen: 11.093 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BP000525.D

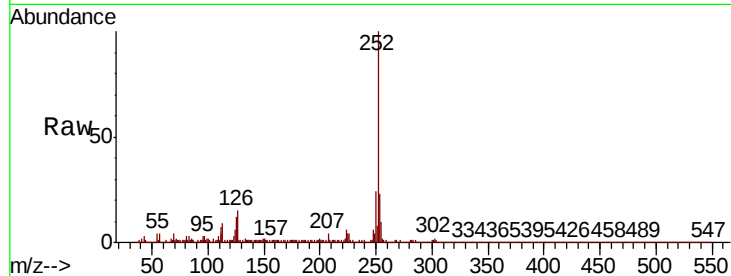
Acq: 04 Oct 2019 22:25

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	522761
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.0 25.4
125	12.4	8.9 13.3

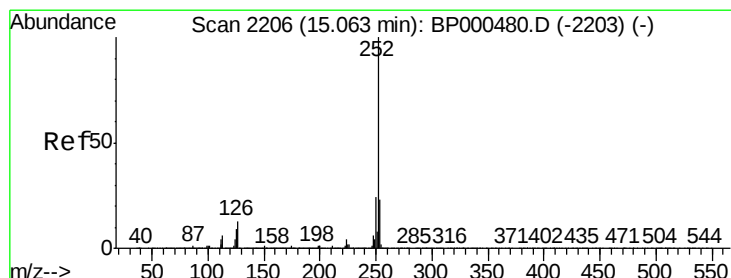
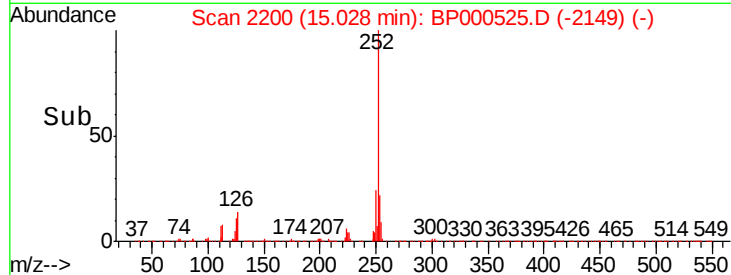
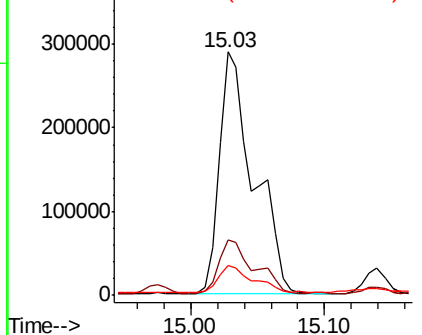


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 11.652 ng

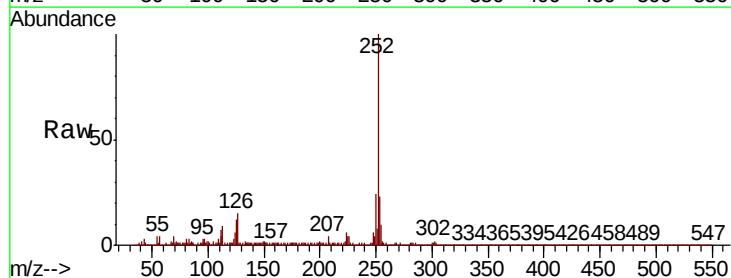
RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BP000525.D

Acq: 04 Oct 2019 22:25

Tgt Ion:252	Resp:	522761
Ion Ratio	Lower	Upper
252	100	
253	22.6	18.4 27.6
125	12.4	7.8 11.8#

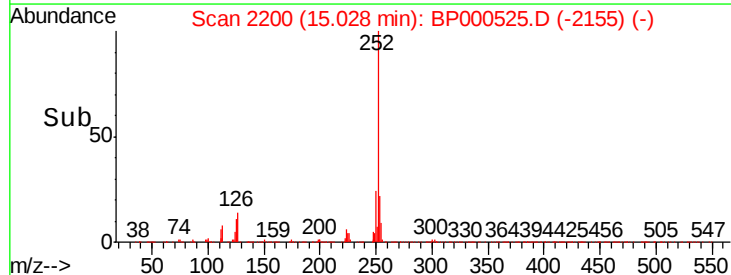
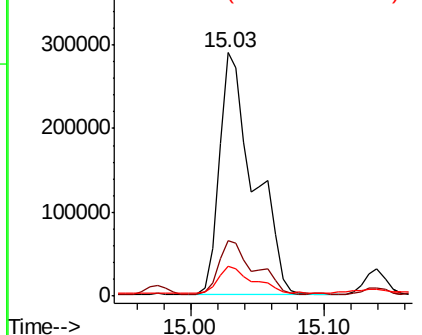


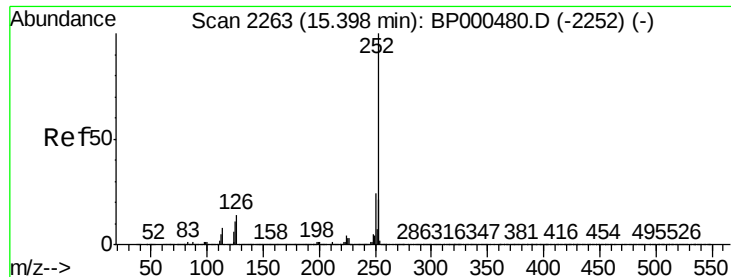
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

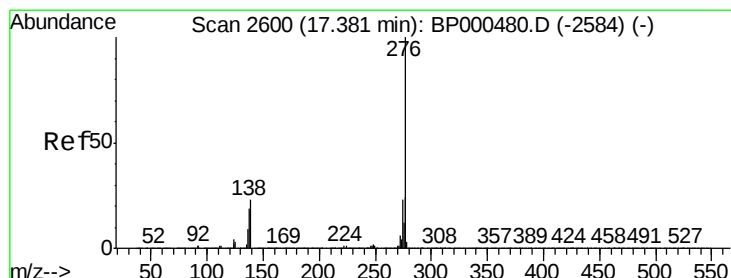
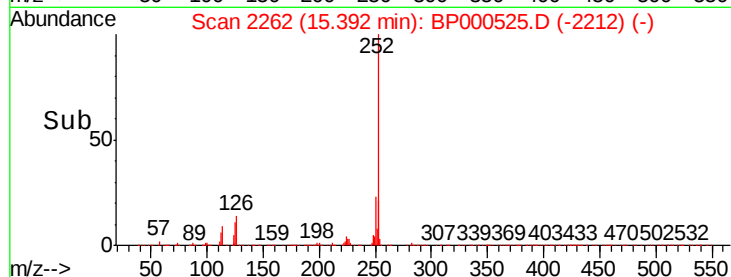
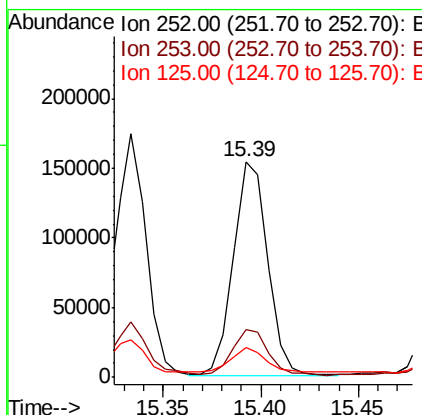
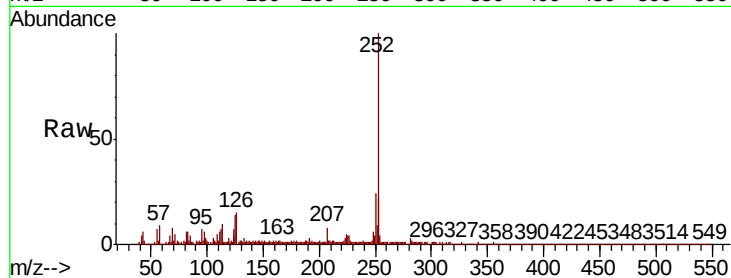




#90
Benzo(a)pyrene
Concen: 4.274 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	13.6	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 2.011 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.01 min
Lab File: BP000525.D
Acq: 04 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.2
138	27.5	18.5	27.7

