

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000524.D
 Acq On : 04 Oct 2019 22:01
 Operator : JU
 Sample : K5158-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 04 23:43:43 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	249828	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	902149	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	496910	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	880855	20.00	ng	0.00
76) Chrysene-d12	13.98	240	742122	20.00	ng	0.00
87) Perylene-d12	15.46	264	838824	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1250458	80.46	ng	0.00
7) Phenol-d6	6.41	99	1601039	85.49	ng	0.00
23) Nitrobenzene-d5	7.33	82	867966	58.76	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	489669	92.47	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1980852	64.50	ng	0.00
79) Terphenyl-d14	12.92	244	2215427	60.44	ng	0.00

Target Compounds

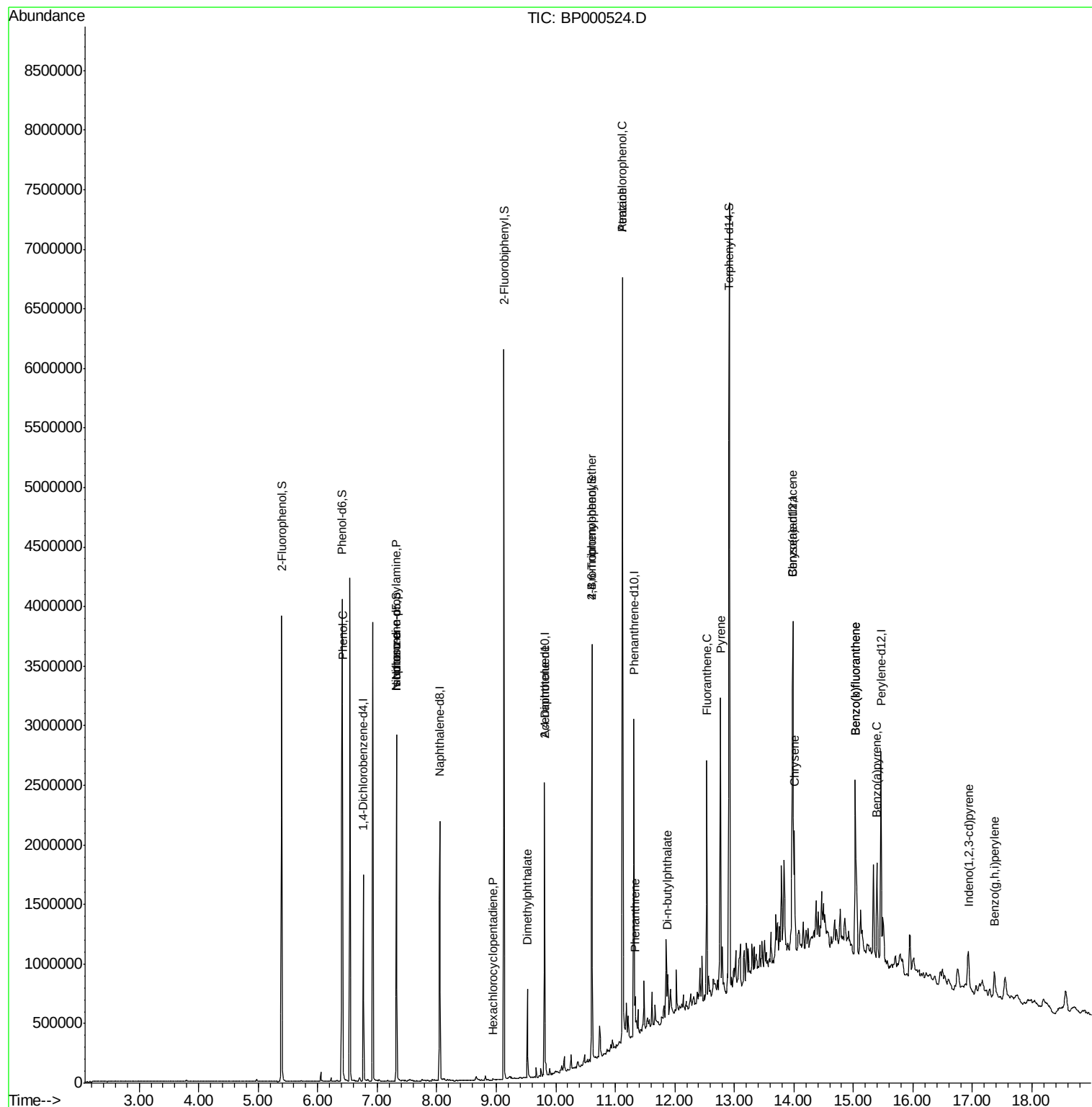
						Qvalue
10) Phenol	6.42	94	45788	2.388	ng	99
19) n-Nitroso-di-n-propylamine	7.33	70	106501	12.337	ng	# 73
25) Isophorone	7.33	82	867824	33.103	ng	# 61
41) Hexachlorocyclopentadiene	8.93	237	15	7.299	ng	78
50) Dimethylphthalate	9.53	163	302441	8.759	ng	100
57) 2,4-Dinitrotoluene	9.81	165	66267	6.638	ng	# 32
67) 4-Bromophenyl-phenylether	10.61	248	33424	3.371	ng	# 1
69) Atrazine	11.12	200	156821	18.627	ng	# 36
70) Pentachlorophenol	11.12	266	841572	185.956	ng	96
71) Phenanthrene	11.33	178	104959	2.373	ng	98
74) Di-n-butylphthalate	11.88	149	141742	2.862	ng	98
75) Fluoranthene	12.53	202	815459	16.413	ng	99
78) Pyrene	12.77	202	998995	19.518	ng	99
81) Benzo(a)anthracene	13.97	228	502598	11.100	ng	94
83) Chrysene	14.01	228	475847	10.707	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	212454	3.827	ng	95
88) Benzo(b)fluoranthene	15.03	252	1055005	22.169	ng	96
89) Benzo(k)fluoranthene	15.03	252	1055005	23.286	ng	# 98
90) Benzo(a)pyrene	15.40	252	382941	8.632	ng	# 95
92) Benzo(a,h,i)perylene	17.37	276	182267	4.169	ng	99

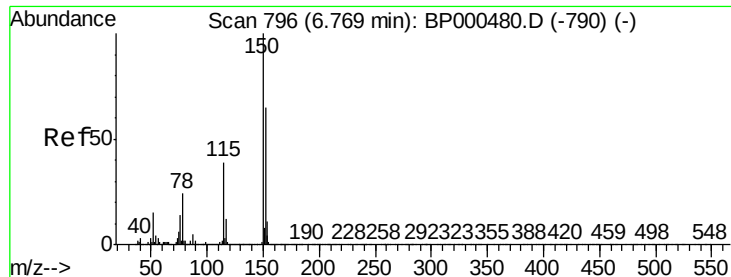
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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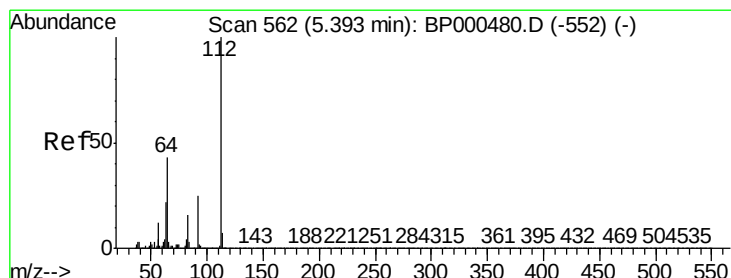
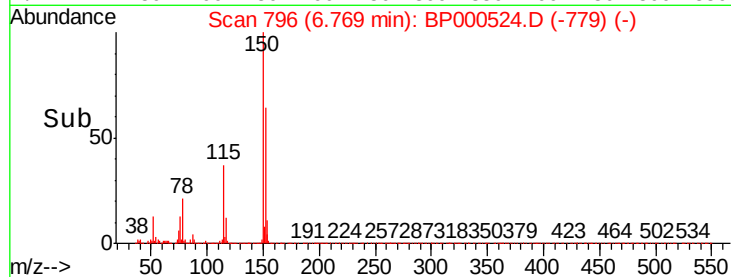
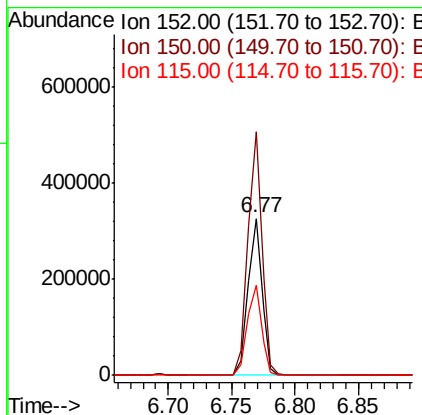
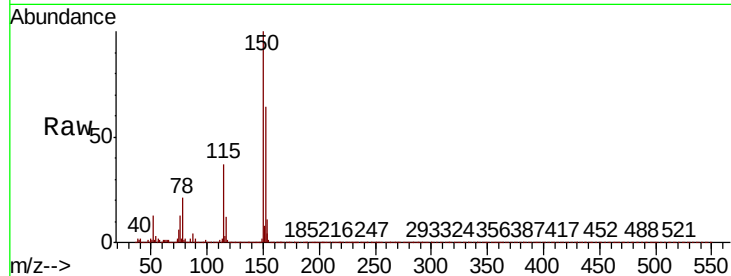


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :

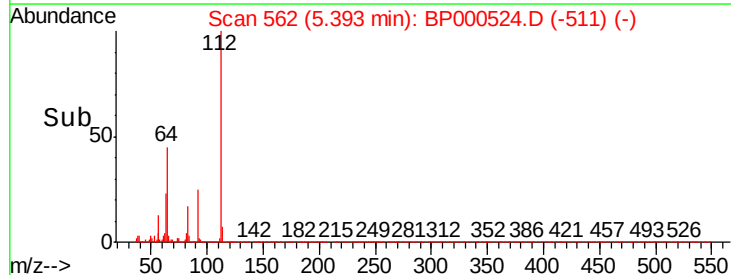
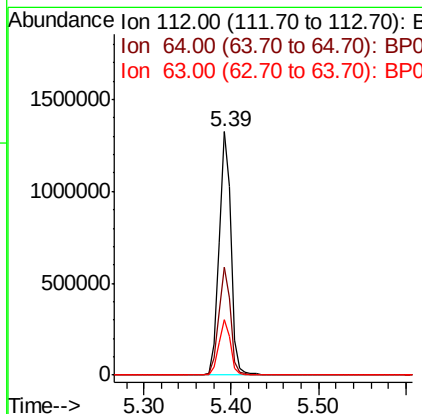
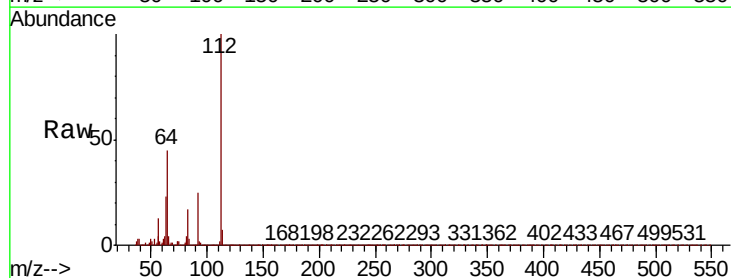
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	57.5	48.7	73.1

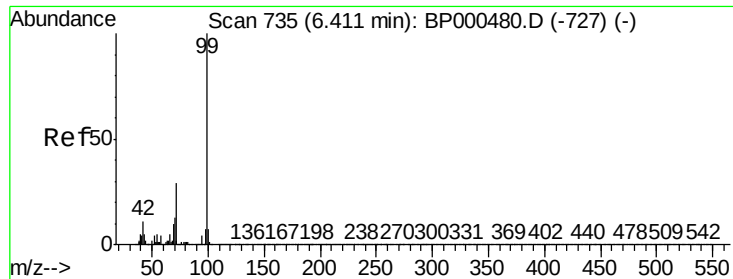


#5

2-Fluorophenol
Concen: 80.457 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.6	34.2	51.4
63	22.8	17.9	26.9





#7

Phenol-d6

Concen: 85.486 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

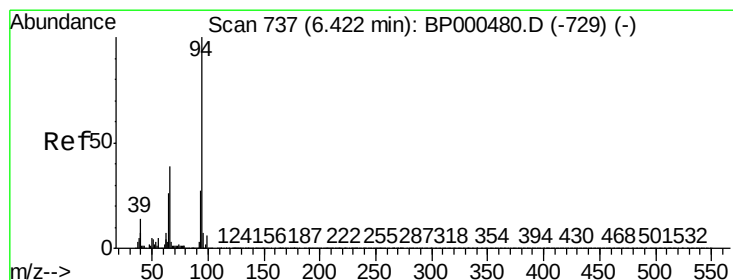
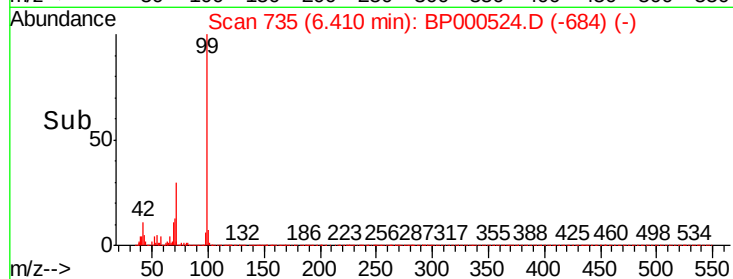
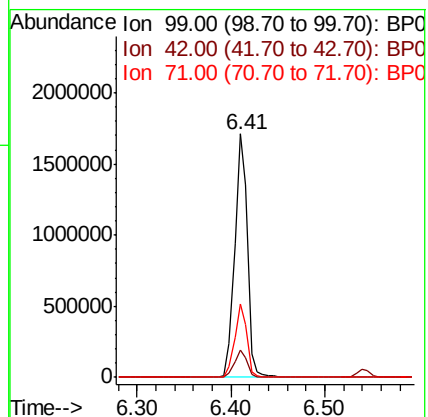
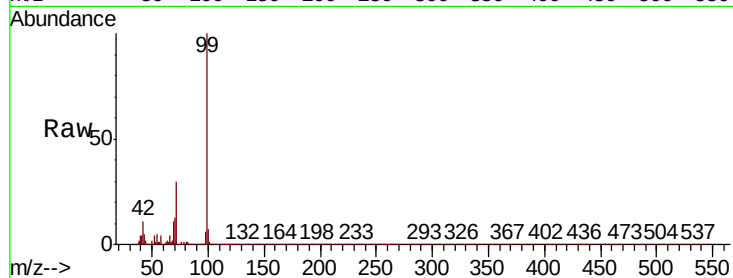
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1601039

Ion	Ratio	Lower	Upper
99	100		
42	11.4	8.6	12.8
71	30.1	23.0	34.4



#10

Phenol

Concen: 2.388 ng

RT: 6.42 min Scan# 737

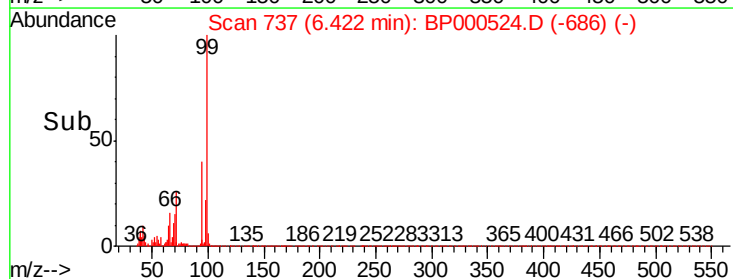
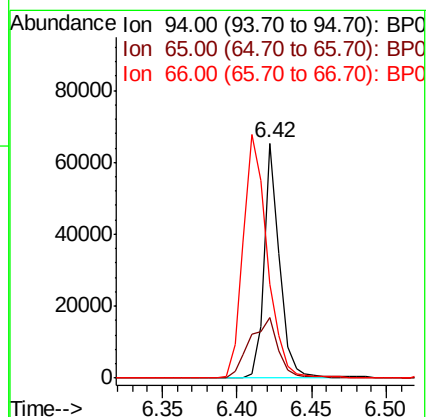
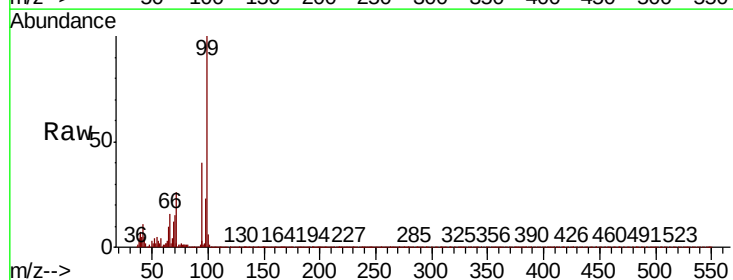
Delta R.T. -0.00 min

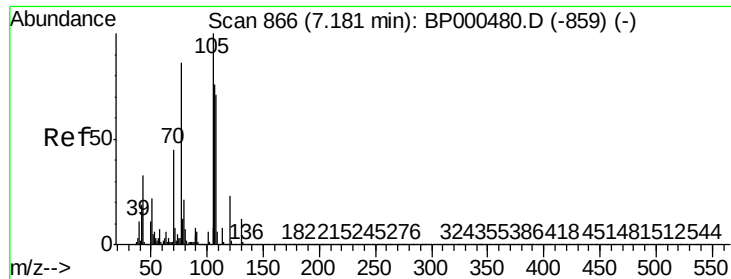
Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Tgt Ion: 94 Resp: 45788

Ion	Ratio	Lower	Upper
94	100		
65	25.8	5.9	45.9
66	40.2	18.8	58.8

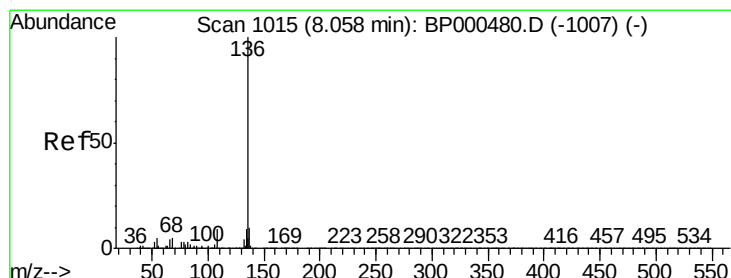
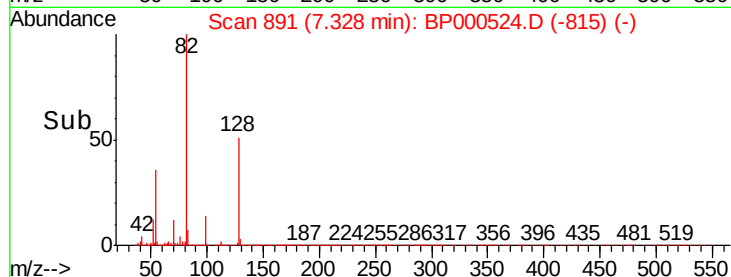
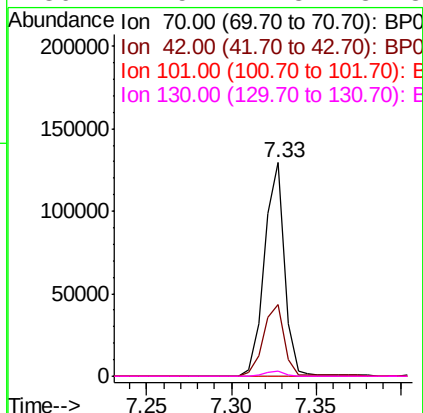
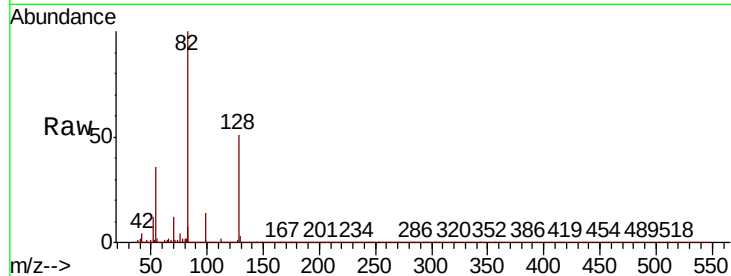




#19
n-Nitroso-di-n-propylamine
Concen: 12.337 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.15 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

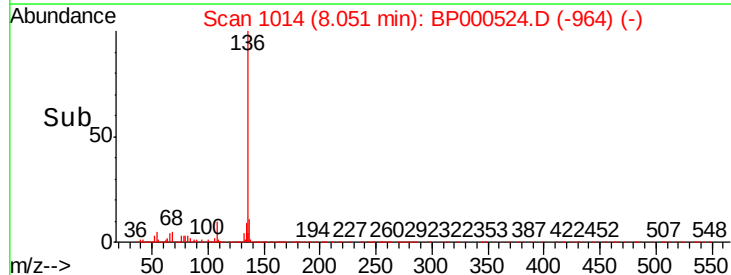
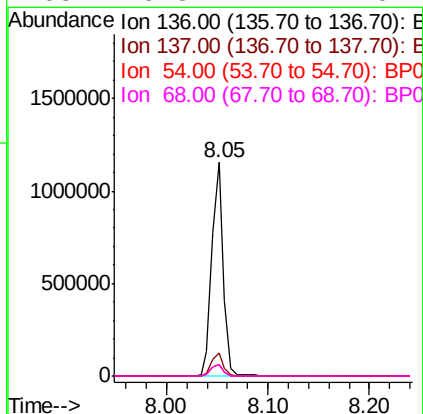
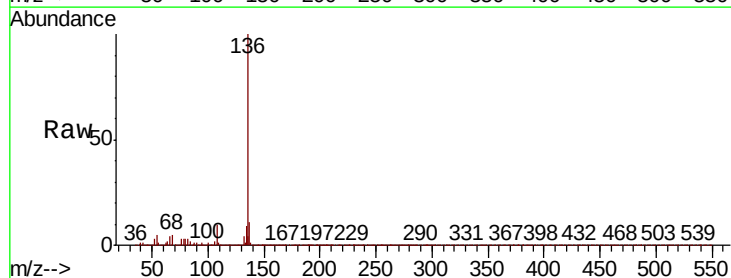
Instrument :
BNA_P
ClientSampleId :

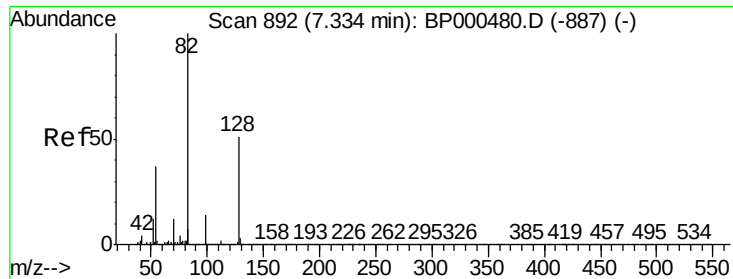
Tot Ion:	70	Resp:	106501
Ion	Ratio	Lower	Upper
70	100		
42	33.7	33.2	49.8
101	0.0	9.9	14.9#
130	2.5	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion:	136	Resp:	902149
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	5.2	4.1	6.1
68	5.3	4.1	6.1

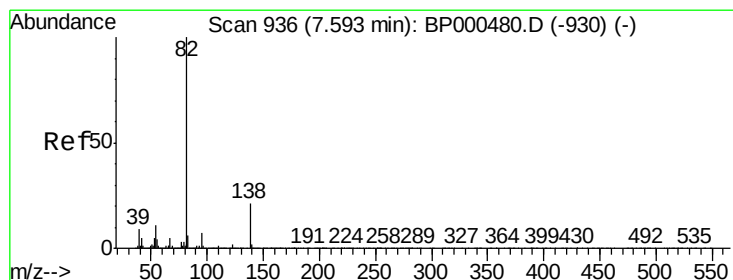
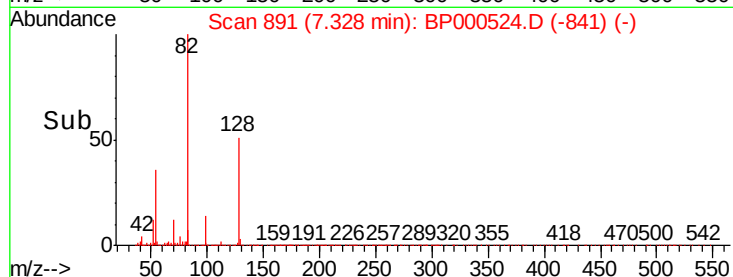
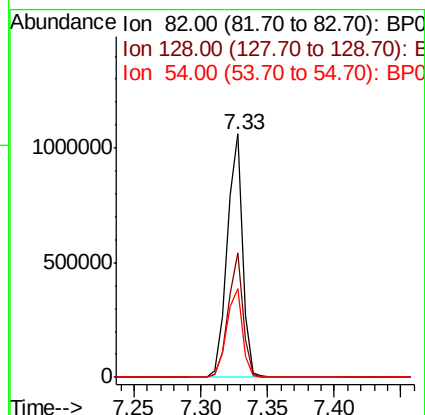
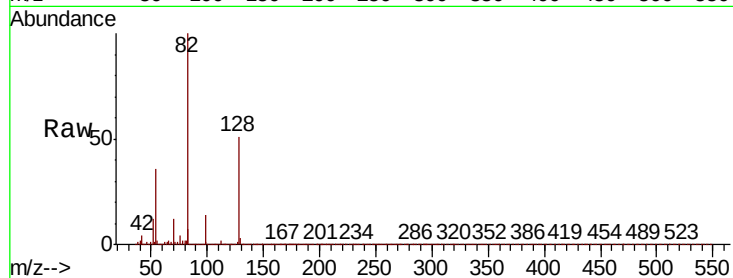




#23
Nitrobenzene-d5
Concen: 58.761 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

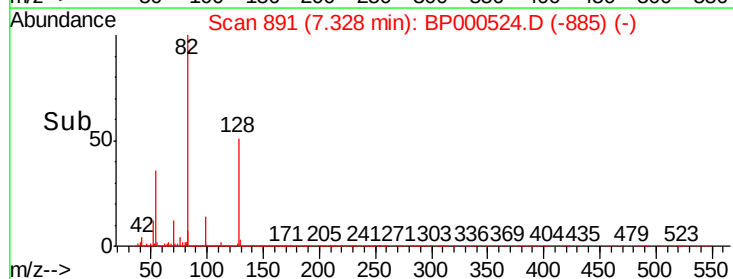
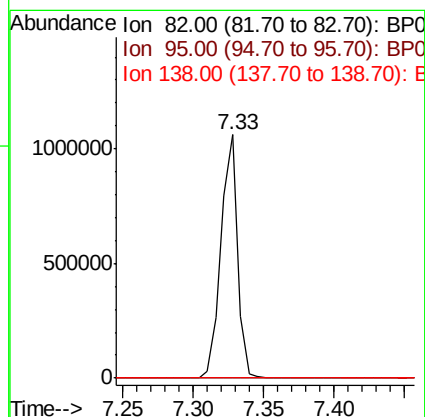
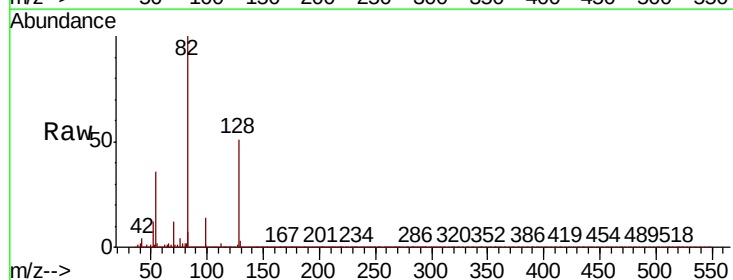
Instrument :
BNA_P
ClientSampleId :

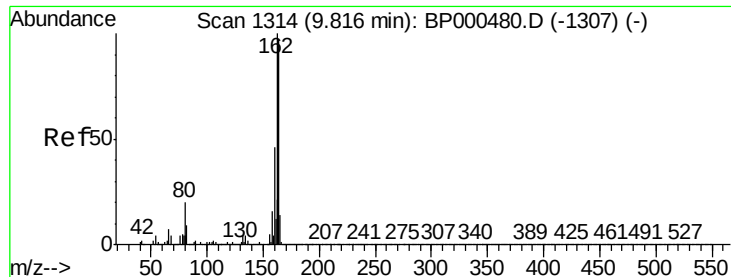
Tot Ion	82	Resp	867966
Ion Ratio	Lower	Upper	
82	100		
128	51.3	40.9	61.3
54	36.4	29.4	44.2



#25
Isophorone
Concen: 33.103 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.27 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	82	Resp	867824
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	17.0	25.4#

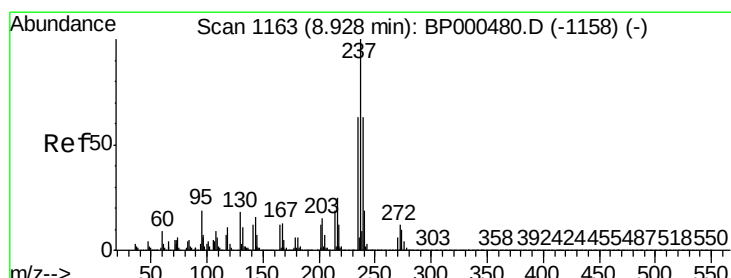
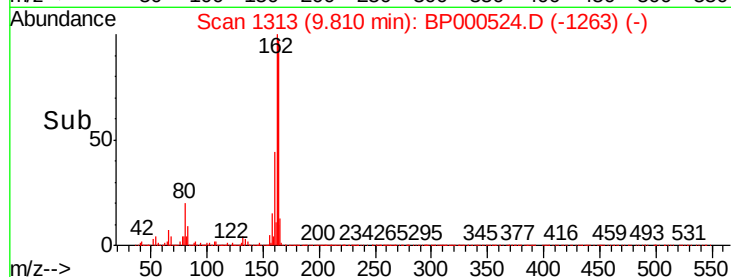
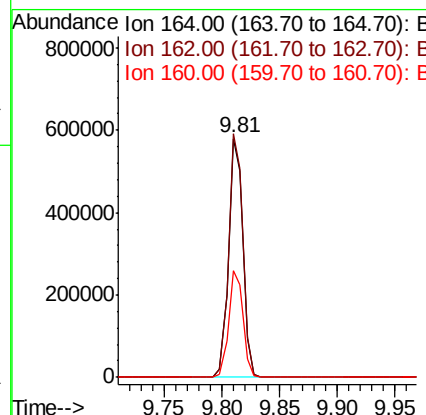
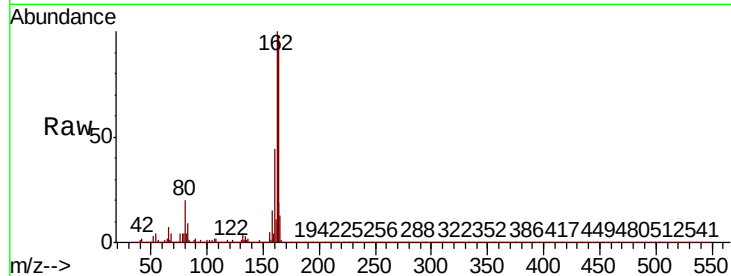




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

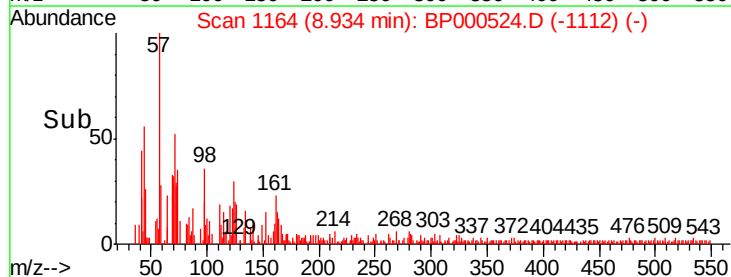
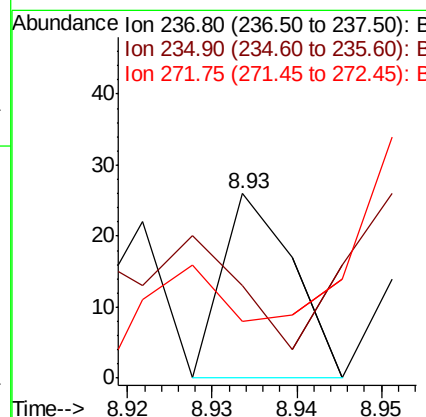
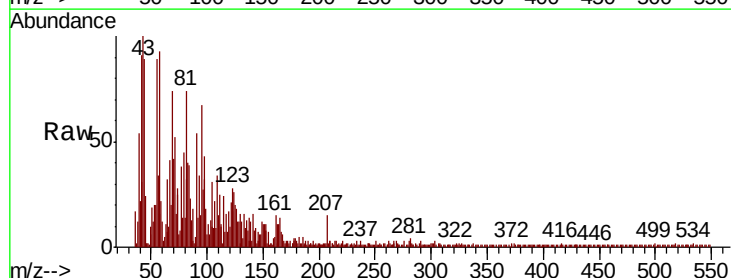
Instrument :
BNA_P
ClientSampleId :

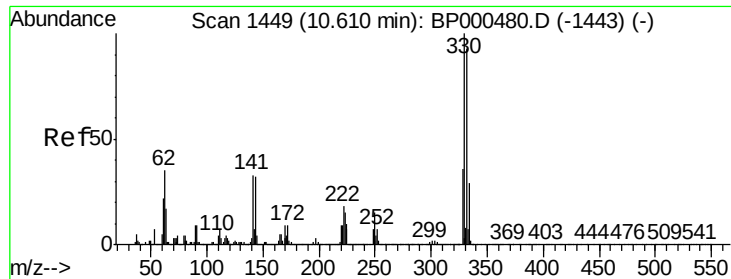
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	44.7	37.6	56.4



#41
Hexachlorocyclopentadiene
Concen: 7.299 ng
RT: 8.93 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
237	100		
235	50.0	42.9	82.9
272	30.8	0.0	32.4

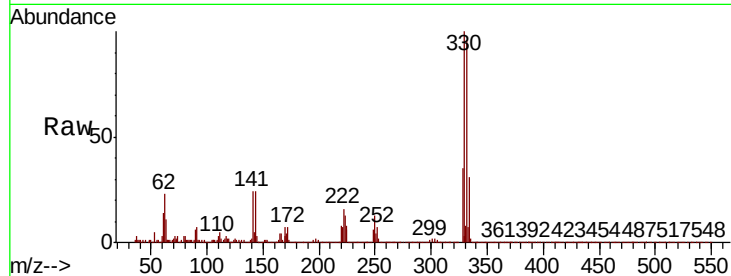




#42
2,4,6-Tribromophenol
Concen: 92.475 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	31.4	26.0	39.0

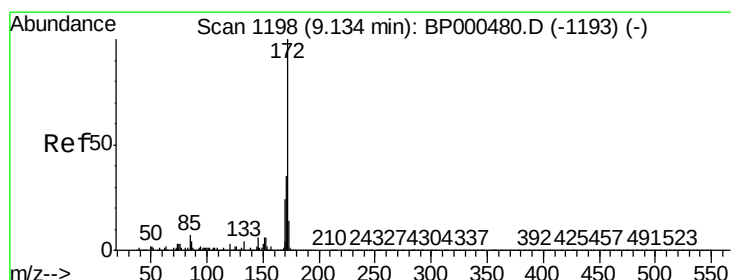
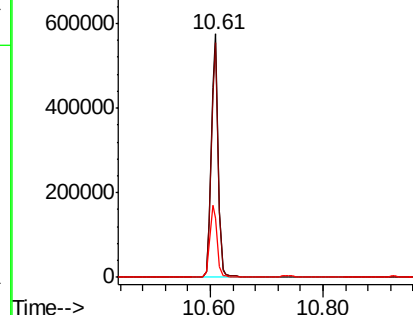
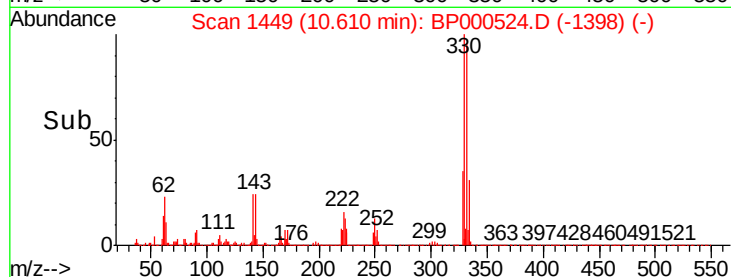


Abundance

Ion 329.80 (329.50 to 330.50): E

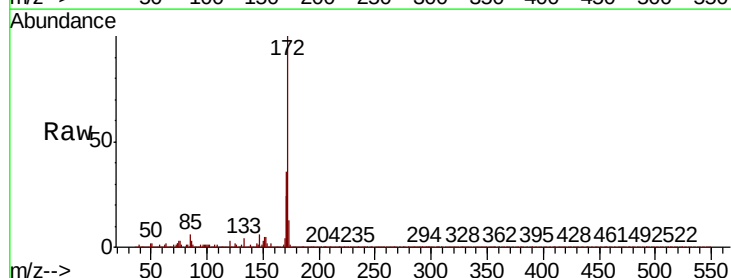
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 64.499 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.6	19.1	28.7

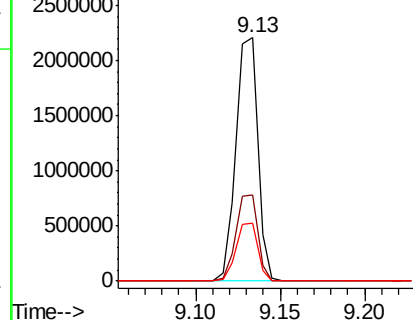
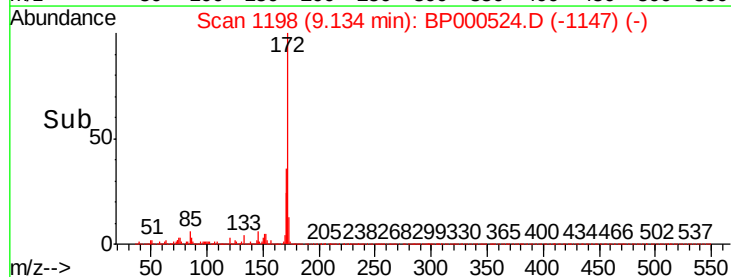


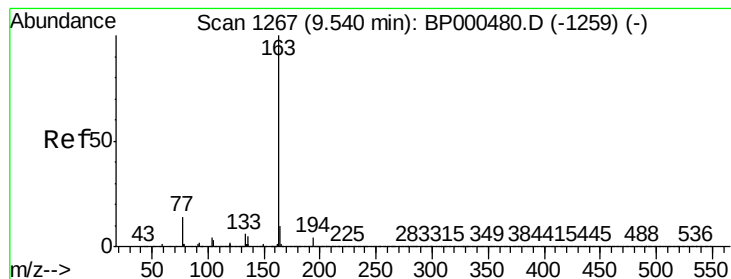
Abundance

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: 8.759 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampled :

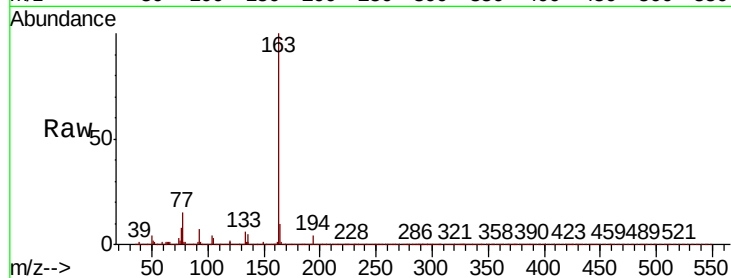
Tot Ion:163 Resp: 302441

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

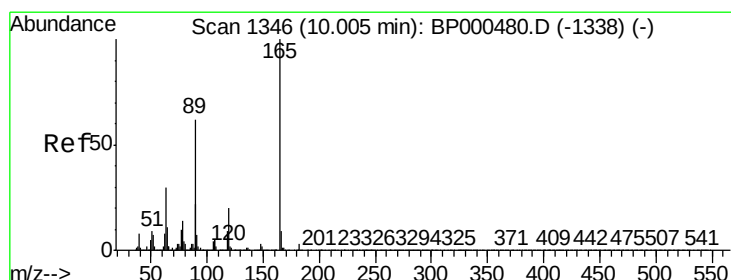
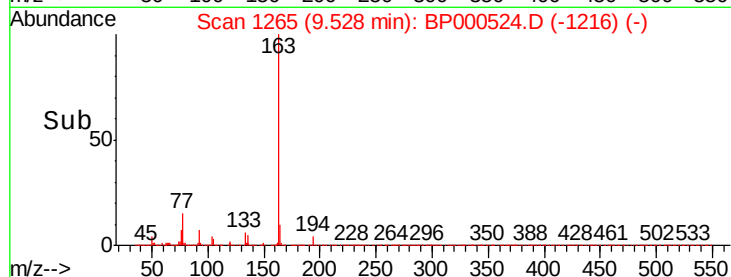
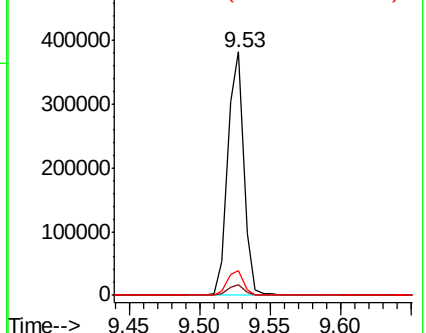
164 10.0 8.0 12.0



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: 6.638 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Tgt Ion:165 Resp: 66267

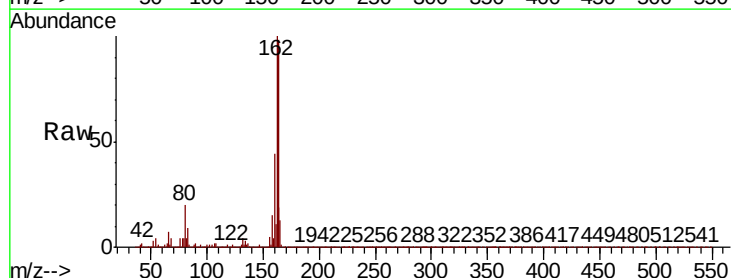
Ion Ratio Lower Upper

165 100

63 1.3 24.2 36.4#

89 1.3 49.4 74.0#

182 0.3 2.5 3.7#

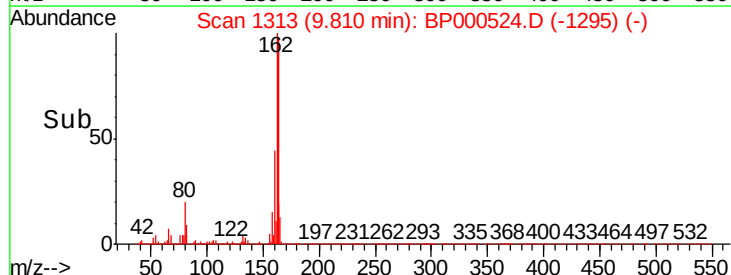
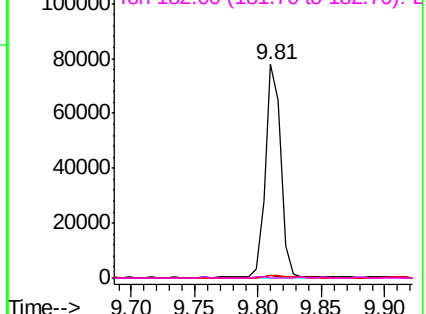


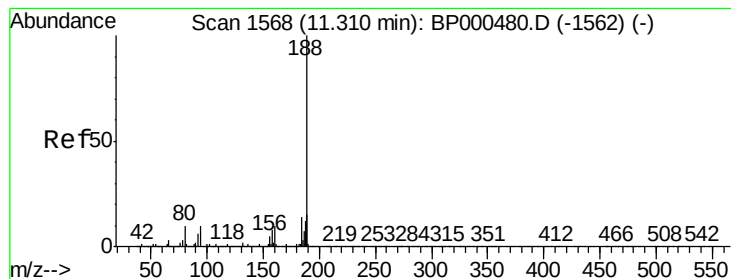
Abundance Ion 165.00 (164.70 to 165.70): E

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: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampled :

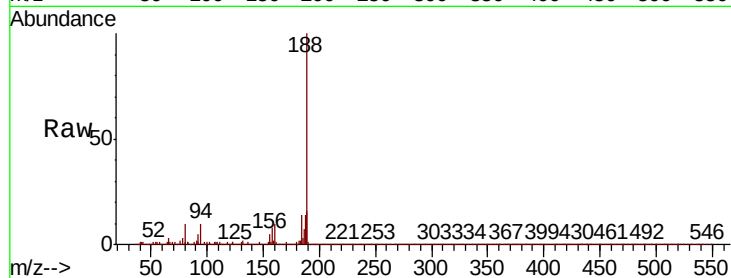
Tot Ion:188 Resp: 880855

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

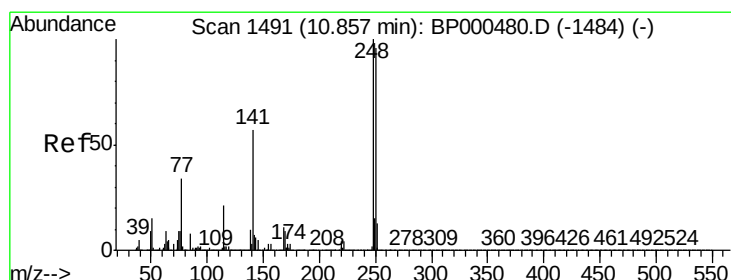
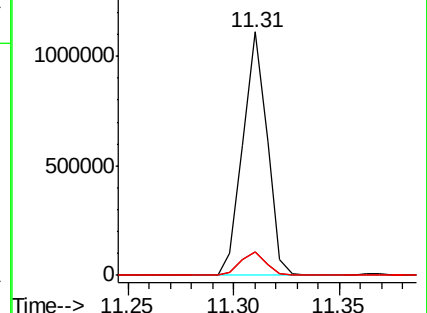
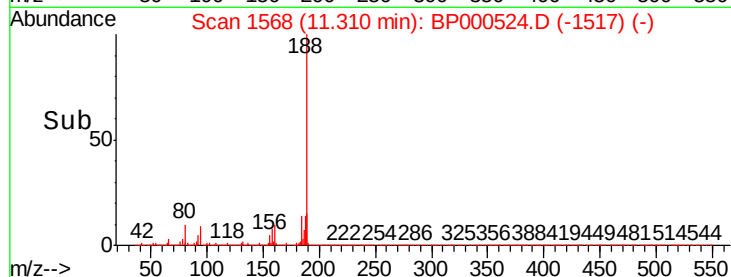
80 9.7 8.3 12.5



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: 3.371 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.25 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

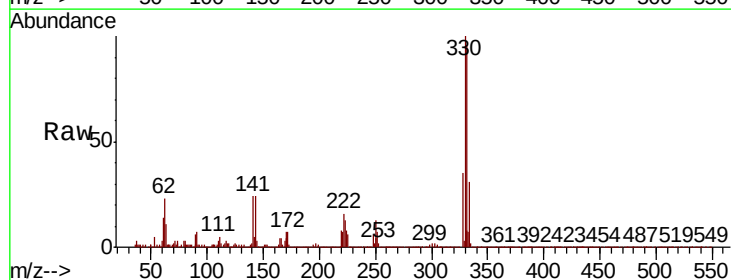
Tgt Ion:248 Resp: 33424

Ion Ratio Lower Upper

248 100

250 198.6 77.2 115.8#

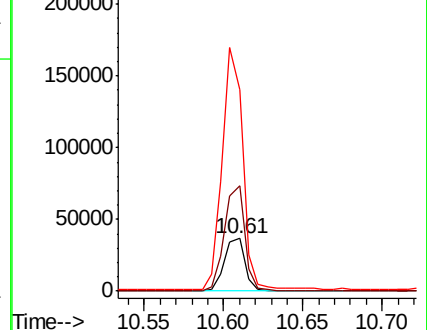
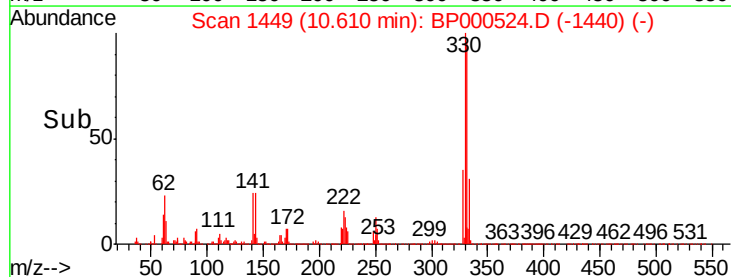
141 382.9 45.3 67.9#

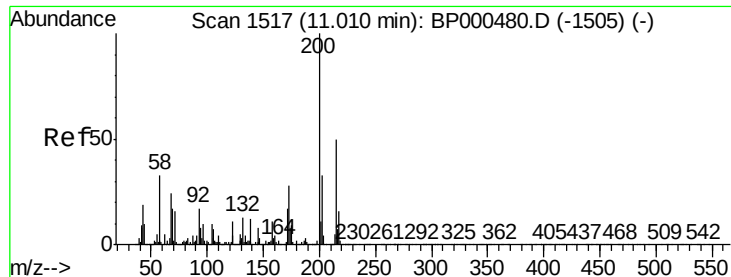


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: 18.627 ng

RT: 11.12 min Scan# 1536

Delta R.T. 0.11 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampleId :

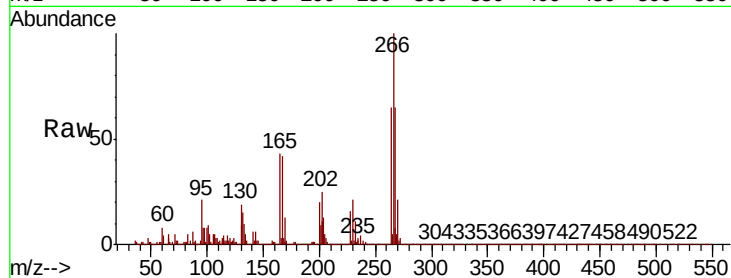
Tot Ion:200 Resp: 156821

Ion Ratio Lower Upper

200 100

173 0.7 7.6 47.6#

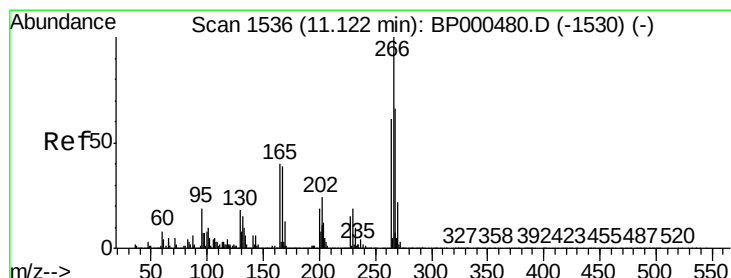
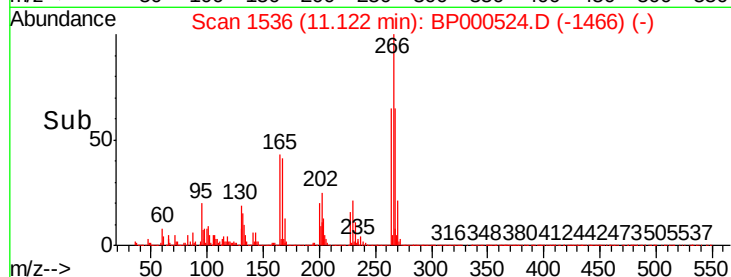
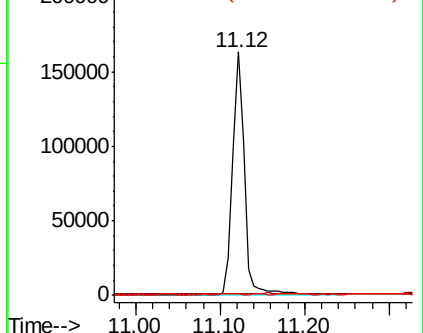
215 0.4 29.5 69.5#



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: 185.956 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

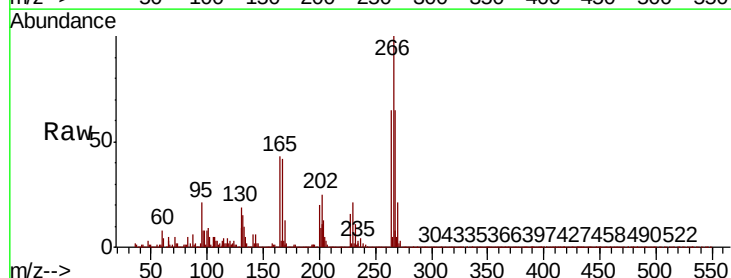
Tgt Ion:266 Resp: 841572

Ion Ratio Lower Upper

266 100

268 64.5 53.2 79.8

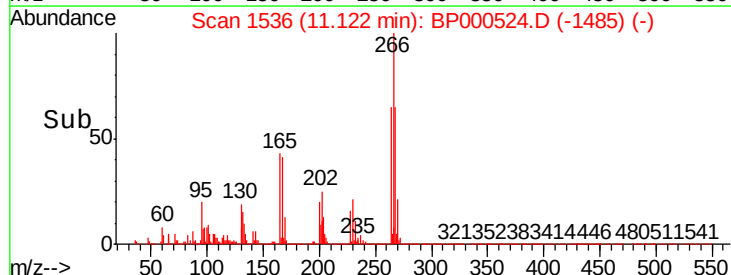
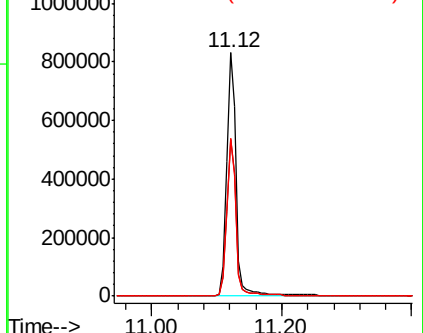
264 64.8 49.0 73.4

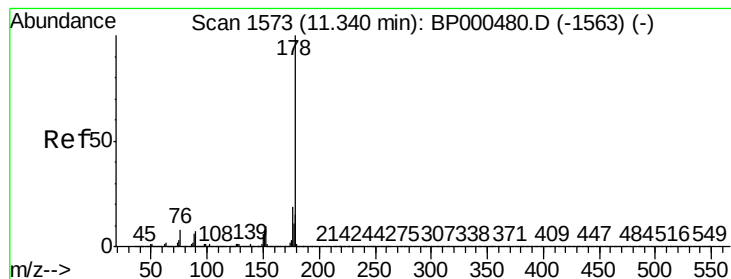


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 2.373 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

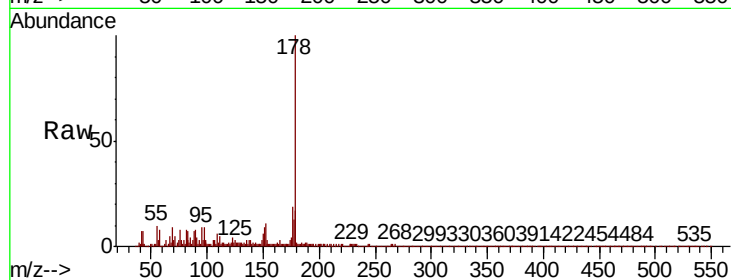
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 104959

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	17.0	12.2	18.4

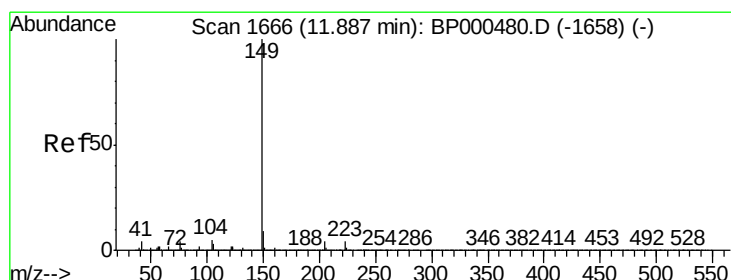
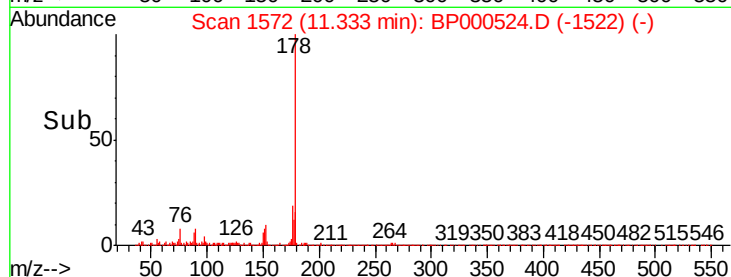
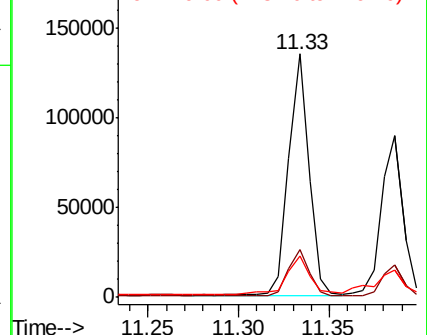


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 2.862 ng

RT: 11.88 min Scan# 1665

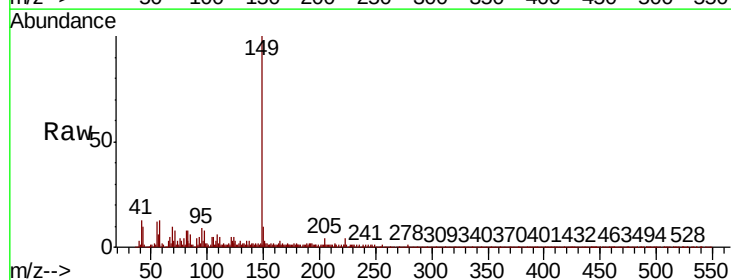
Delta R.T. -0.01 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Tgt Ion:149 Resp: 141742

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.4	11.2
104	5.0	3.7	5.5

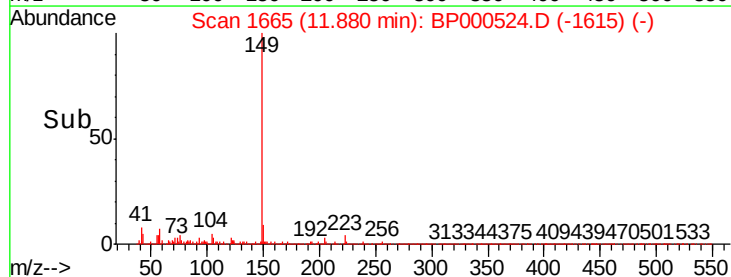
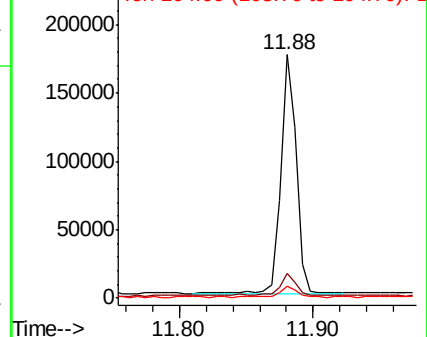


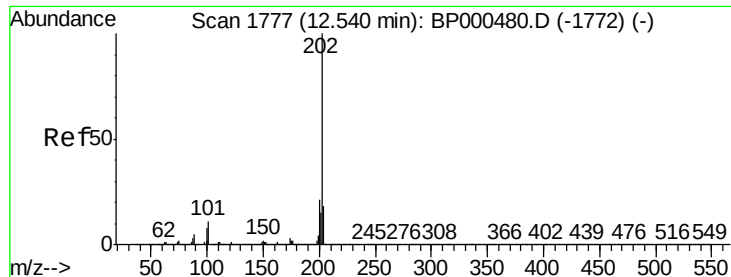
Abundance

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





#75

Fluoranthene

Concen: 16.413 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BP000524.D

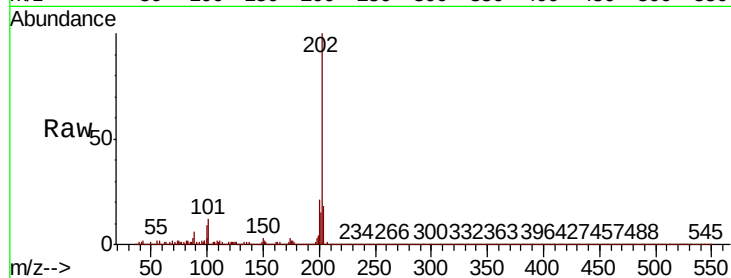
Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampleId :

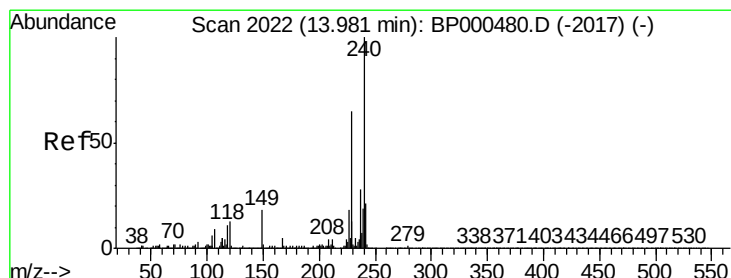
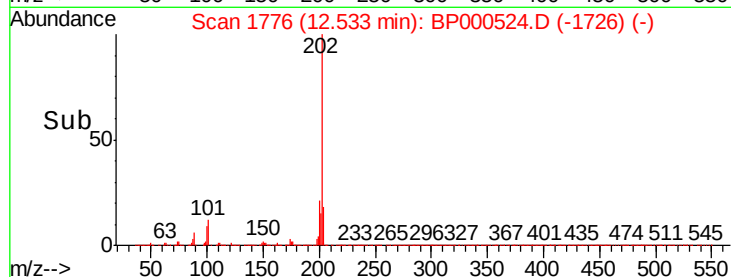
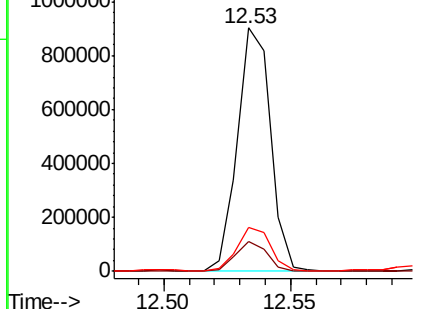
Tot Ion:	202	Resp:	815459
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.3
203	18.1	0.0	38.1



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

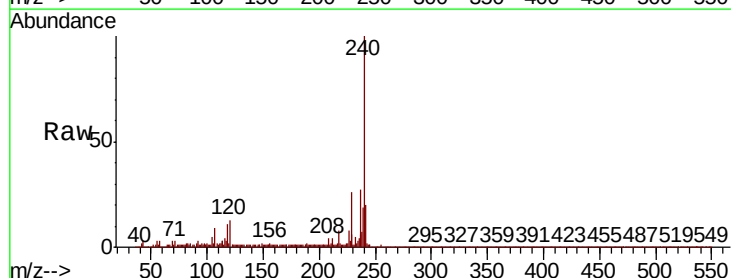
RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

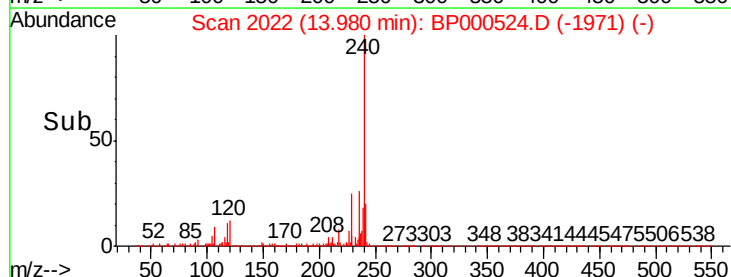
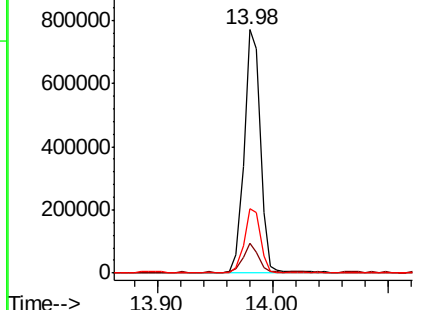
Tgt Ion:	240	Resp:	742122
Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.1	15.1
236	26.6	22.7	34.1

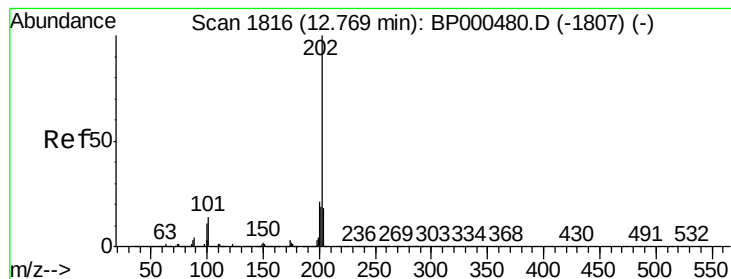


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 19.518 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampleId :

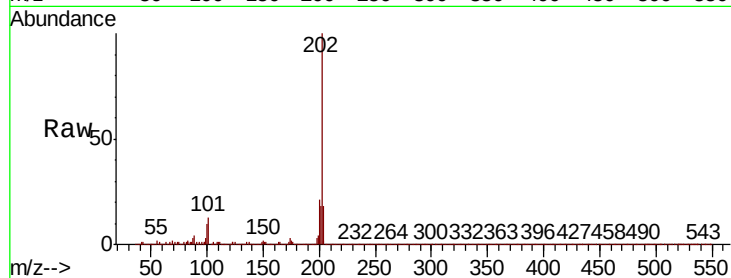
Tot Ion:202 Resp: 998995

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.8 14.6 21.8

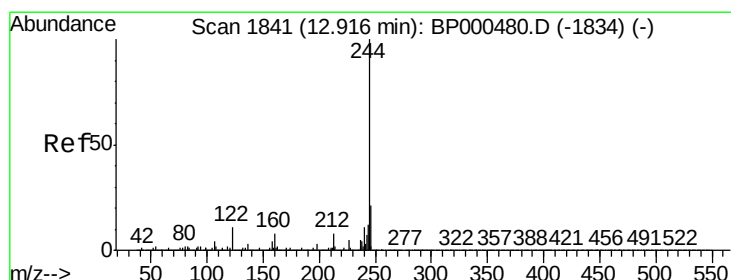
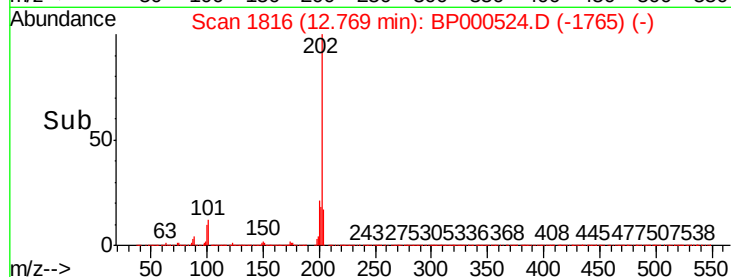
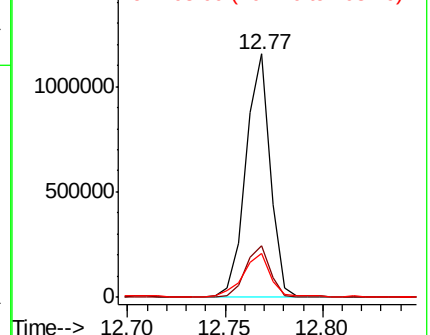


Abundance

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: 60.443 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

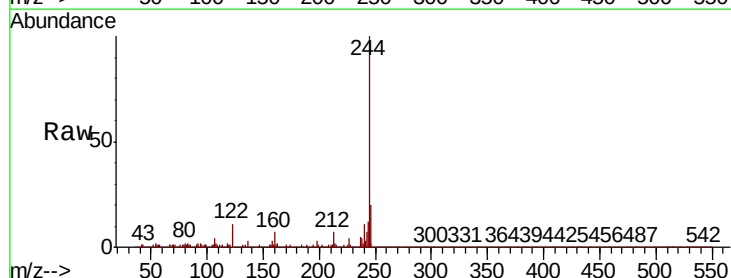
Tgt Ion:244 Resp: 2215427

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 10.5 8.9 13.3

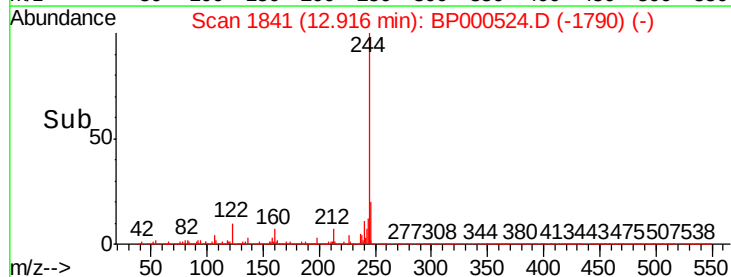
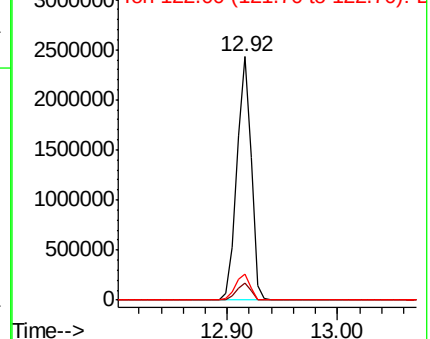


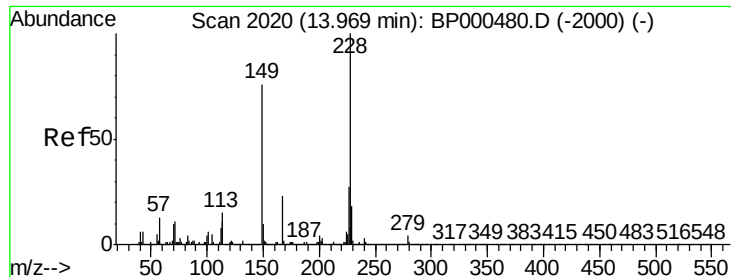
Abundance

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





#81

Benzo(a)anthracene

Concen: 11.100 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampleId :

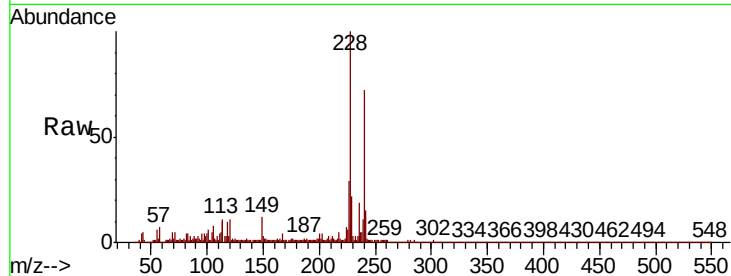
Tot Ion:228 Resp: 502598

Ion Ratio Lower Upper

228 100

226 29.4 21.4 32.2

229 21.7 14.7 22.1

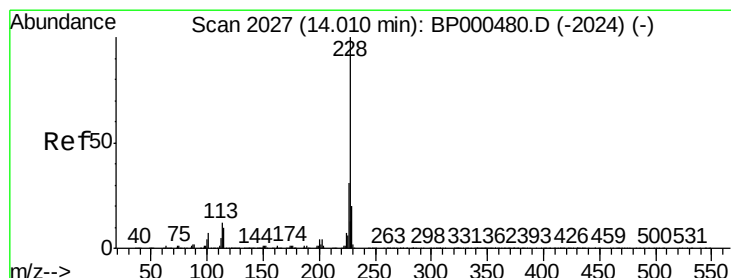
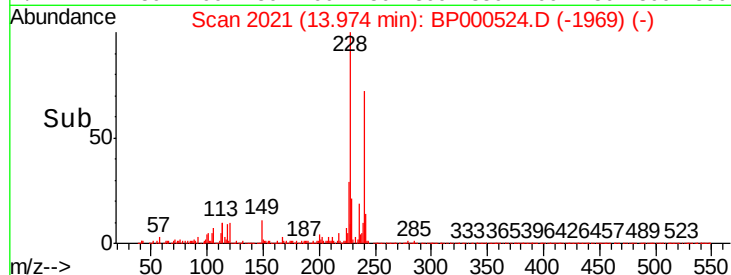
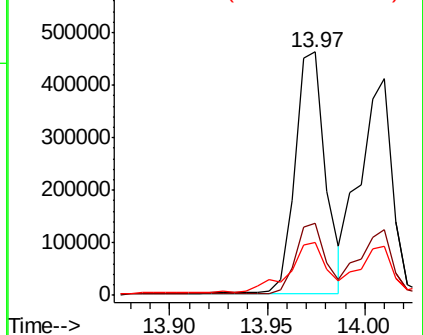


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.707 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

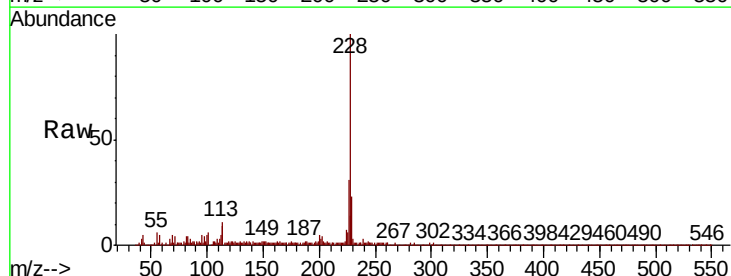
Tgt Ion:228 Resp: 475847

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

229 22.8 16.3 24.5

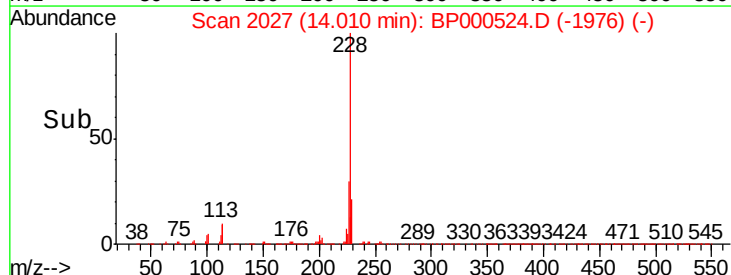
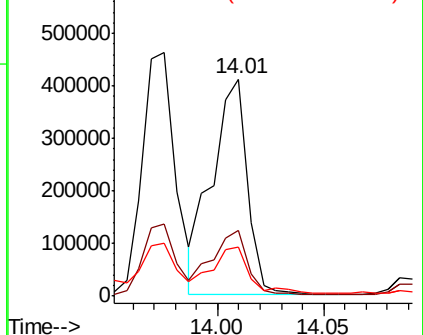


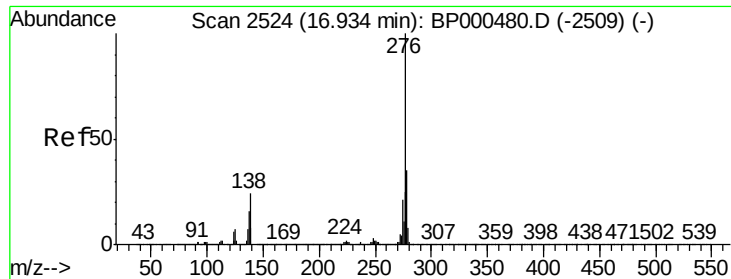
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

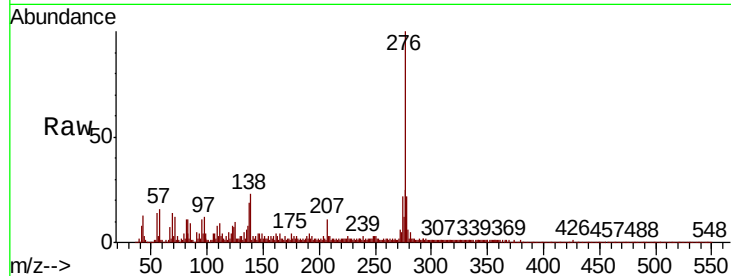




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.827 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BP000524.D
 Acq: 04 Oct 2019 22:01

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.9	31.3
277	24.8	20.6	30.8

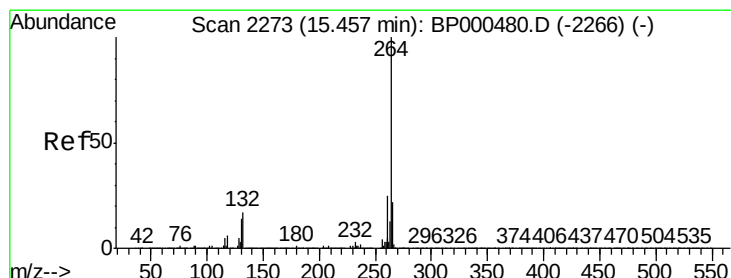
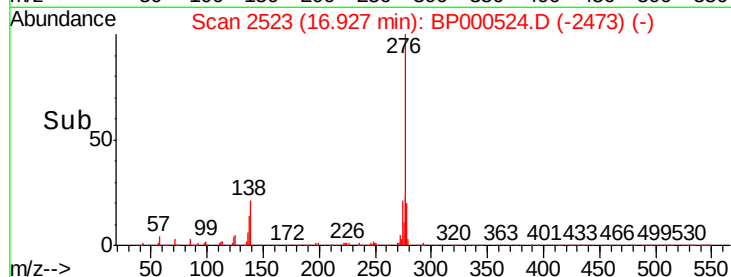
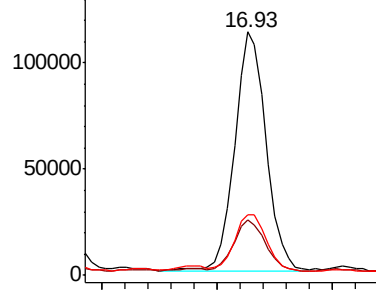


Abundance

Ion 276.00 (275.70 to 276.70): E

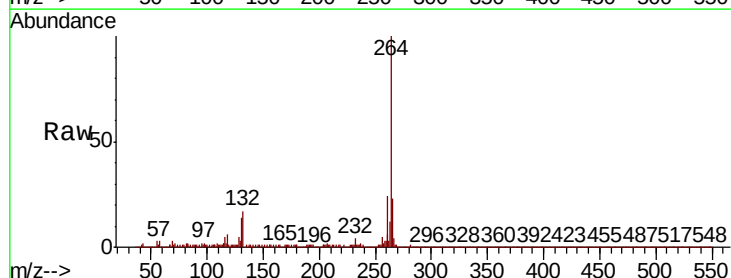
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BP000524.D
 Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	22.6	18.0	27.0

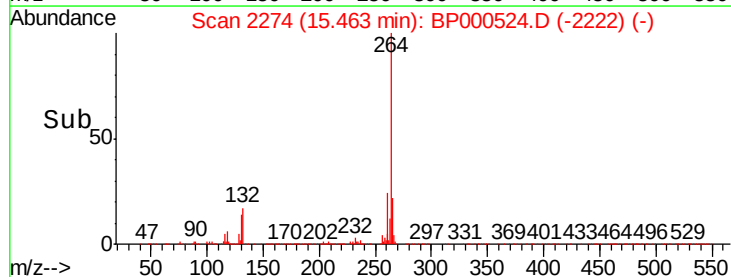
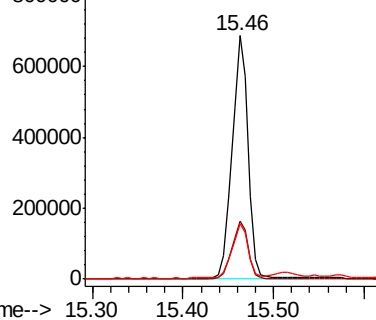


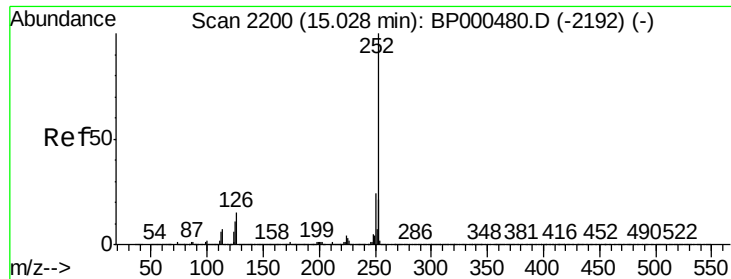
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 22.169 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampleId :

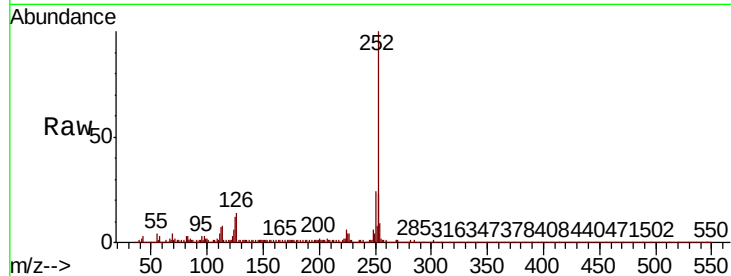
Tot Ion:252 Resp: 1055005

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

125 11.9 8.9 13.3

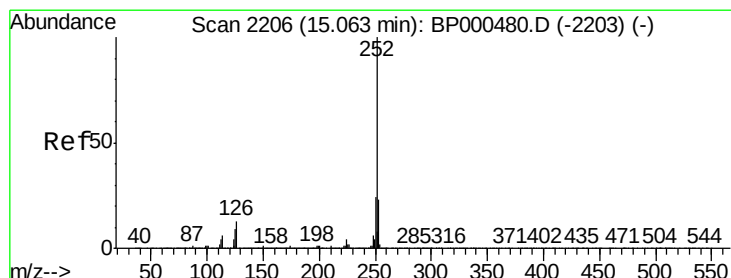
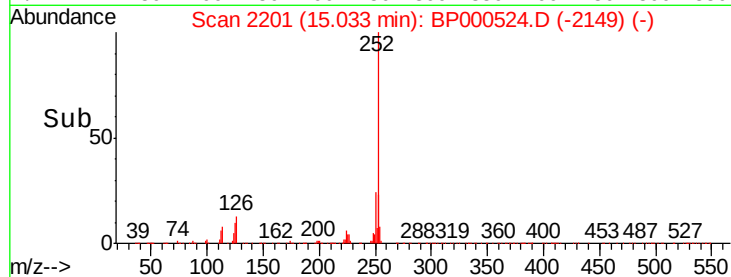
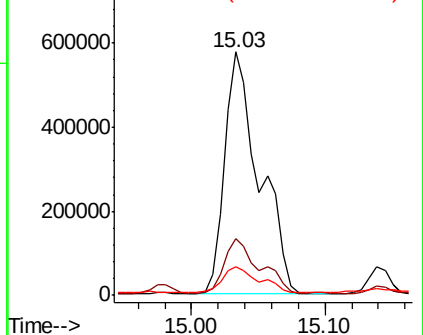


Abundance

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: 23.286 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.03 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

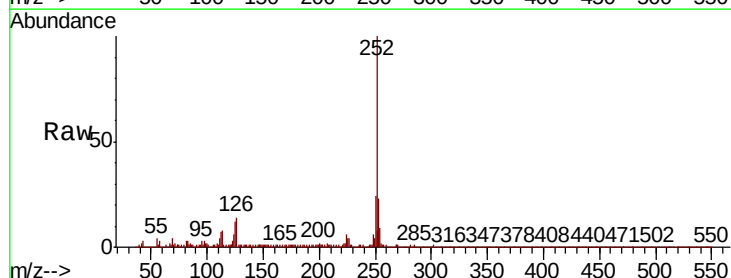
Tgt Ion:252 Resp: 1055005

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 11.9 7.8 11.8#

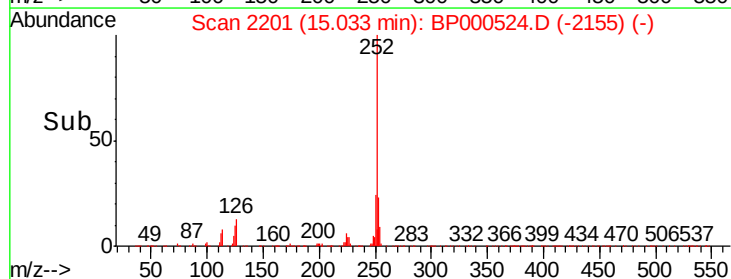
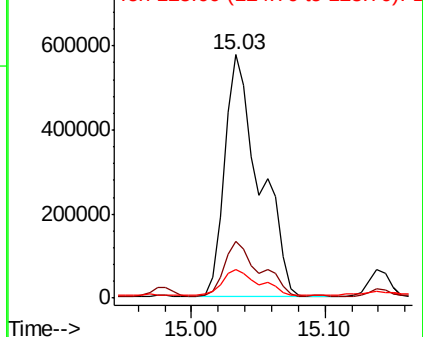


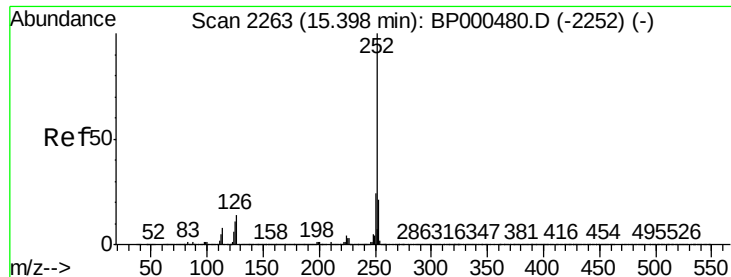
Abundance

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

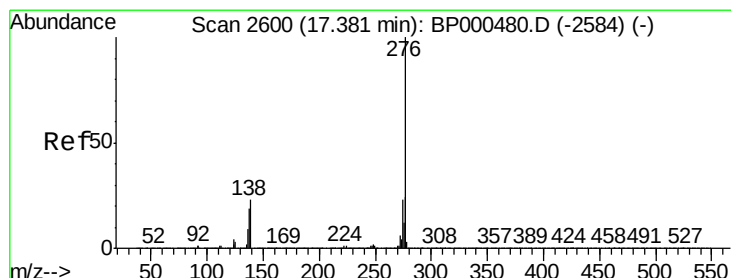
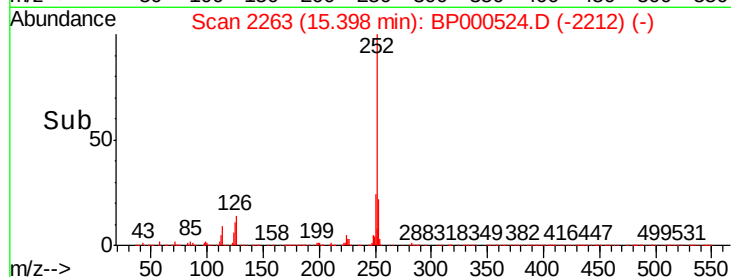
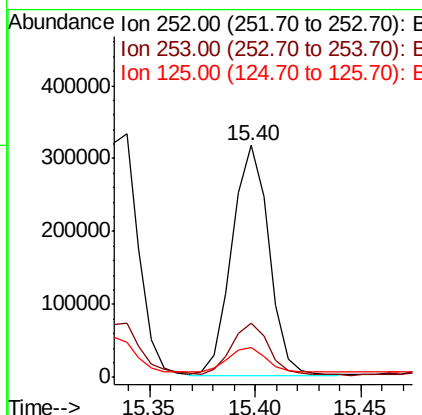
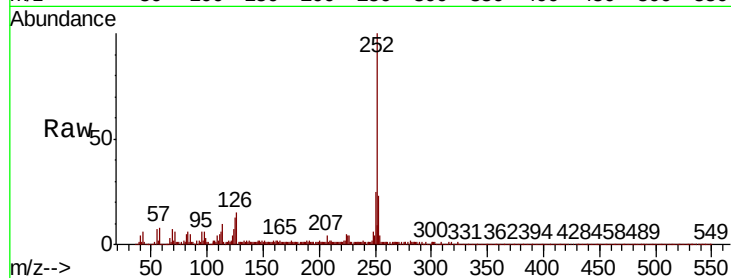




#90
Benzo(a)pyrene
Concen: 8.632 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 382941
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 13.0 8.4 12.6#



#92
Benzo(g,h,i)perylene
Concen: 4.169 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion:276 Resp: 182267
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.2
138 23.5 18.5 27.7

