

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
 Data File : BP000556.D
 Acq On : 07 Oct 2019 20:33
 Operator : JU
 Sample : K5141-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 08 06:11:11 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

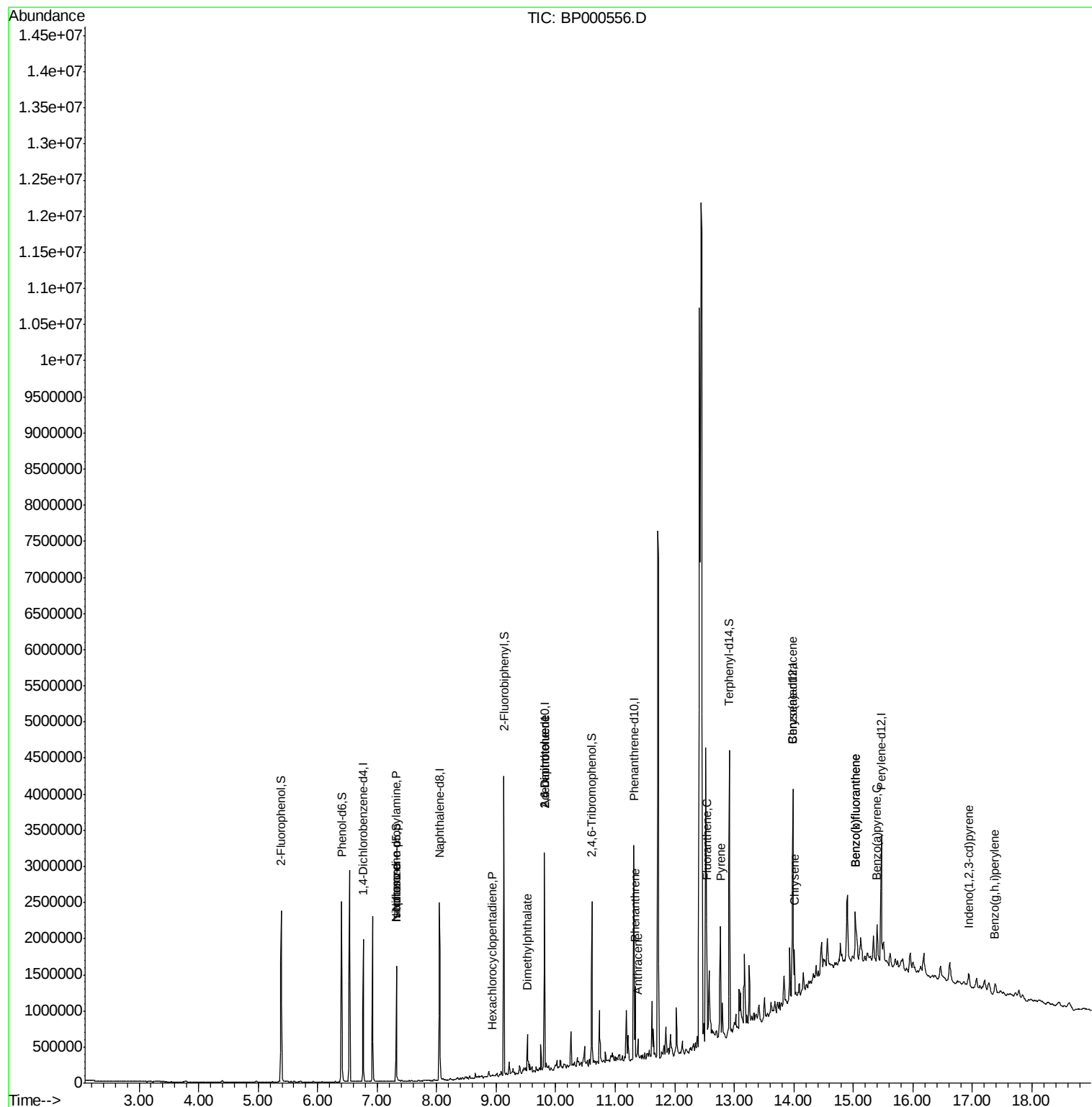
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	277804	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	1039981	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	575533	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	1027280	20.00	ng	0.00
76) Chrysene-d12	13.98	240	853199	20.00	ng	0.00
87) Perylene-d12	15.47	264	856929	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	723409	41.86	ng	0.00
7) Phenol-d6	6.40	99	951047	45.67	ng	0.00
23) Nitrobenzene-d5	7.32	82	474087	27.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	250529	40.85	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1134186	31.89	ng	0.00
79) Terphenyl-d14	12.92	244	1231667	29.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	59474	6.196	ng	# 74
25) Isophorone	7.32	82	473379	15.664	ng	# 61
41) Hexachlorocyclopentadiene	8.94	237	14	7.299	ng	# 29
50) Dimethylphthalate	9.52	163	177055	4.427	ng	99
51) 2,6-Dinitrotoluene	9.81	165	77682	8.908	ng	# 36
57) 2,4-Dinitrotoluene	9.81	165	77682	6.718	ng	# 32
71) Phenanthrene	11.33	178	346593	6.718	ng	100
72) Anthracene	11.39	178	104189	2.037	ng	100
75) Fluoranthene	12.54	202	665643	11.488	ng	99
78) Pyrene	12.77	202	608658	10.343	ng	99
81) Benzo(a)anthracene	13.97	228	332058	6.379	ng	# 93
83) Chrysene	14.01	228	287590	5.629	ng	96
86) Indeno(1,2,3-cd)pyrene	16.94	276	130280	2.041	ng	95
88) Benzo(b)fluoranthene	15.03	252	473221	9.734	ng	# 90
89) Benzo(k)fluoranthene	15.03	252	473221	10.224	ng	# 92
90) Benzo(a)pyrene	15.40	252	249678	5.509	ng	# 89
92) Benzo(a,h,i)perylene	17.39	276	114887	2.572	ng	94

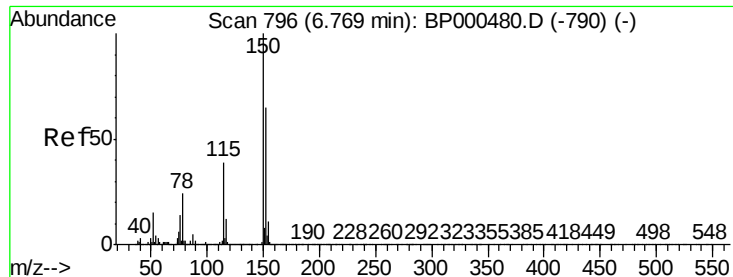
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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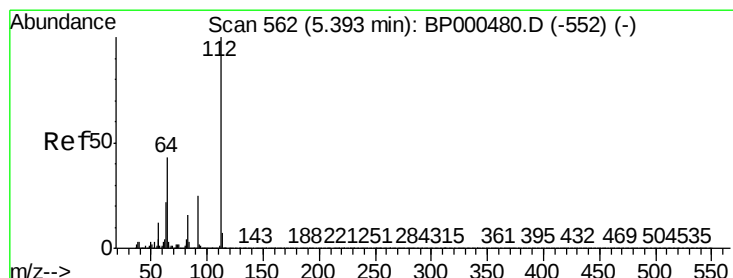
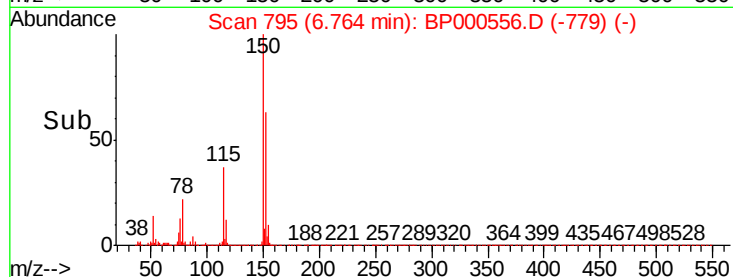
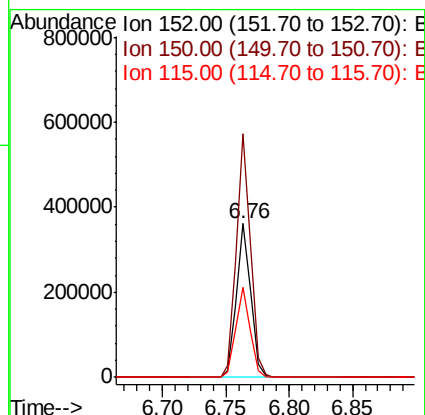
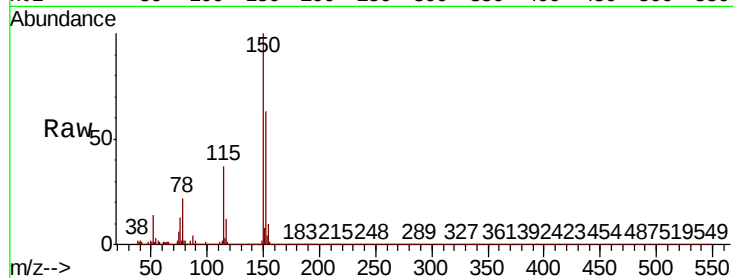


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Instrument :
BNA_P
ClientSampleId :

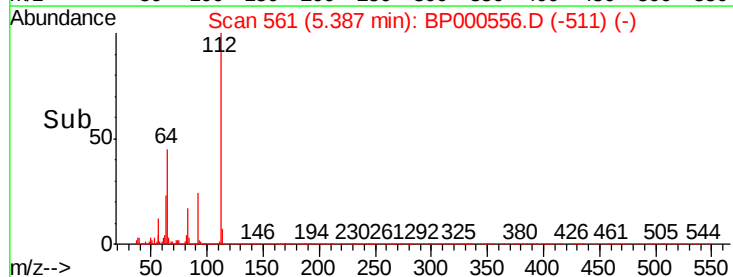
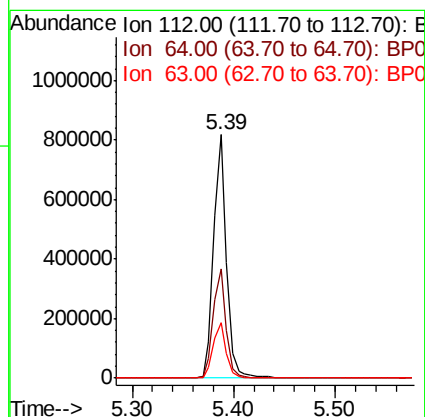
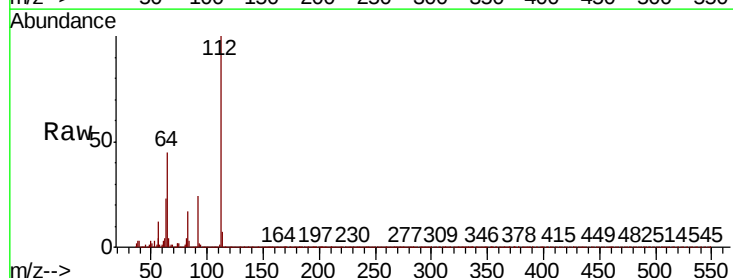
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.1	186.1
115	58.4	48.7	73.1

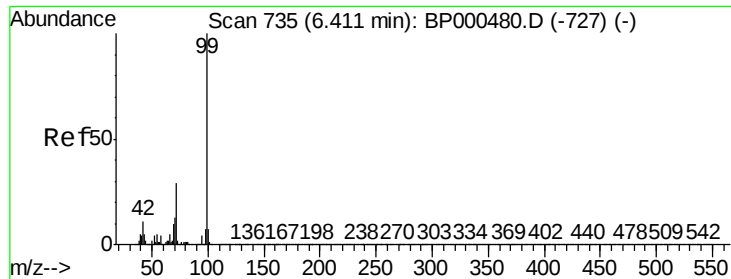


#5

2-Fluorophenol
Concen: 41.858 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 45.666 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Instrument :

BNA_P

ClientSampled :

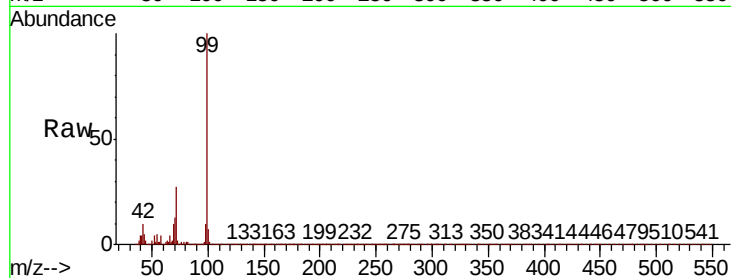
Tot Ion: 99 Resp: 951047

Ion Ratio Lower Upper

99 100

42 10.4 8.6 12.8

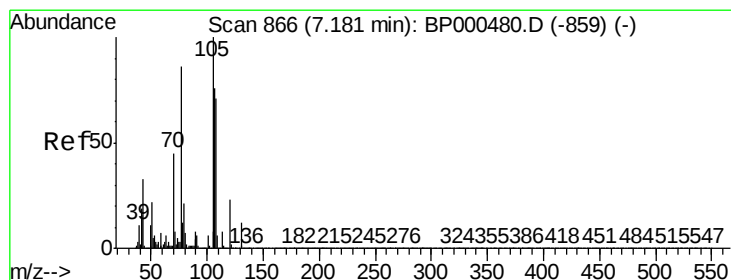
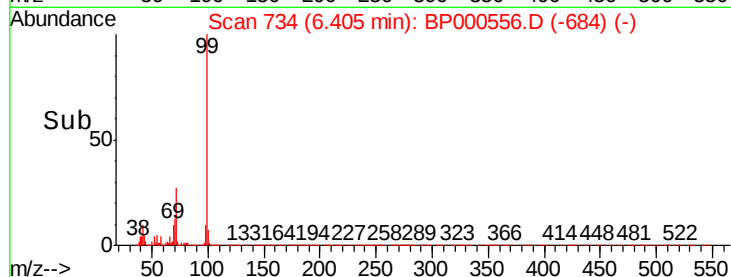
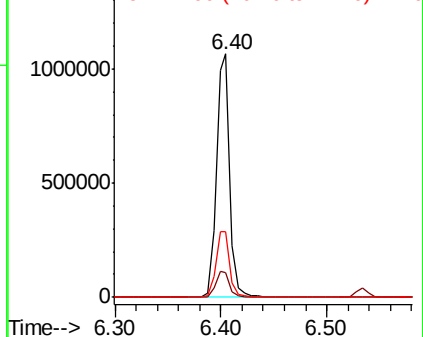
71 27.2 23.0 34.4



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: 6.196 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Tgt Ion: 70 Resp: 59474

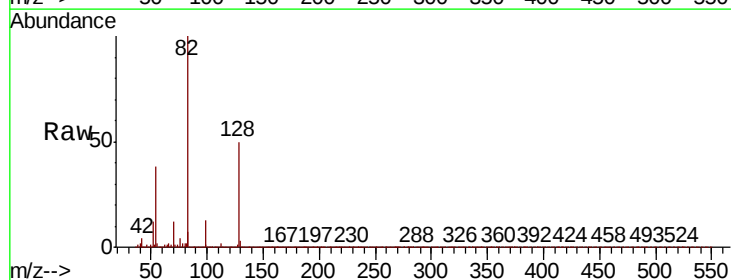
Ion Ratio Lower Upper

70 100

42 34.9 33.2 49.8

101 0.0 9.9 14.9#

130 2.6 21.8 32.8#

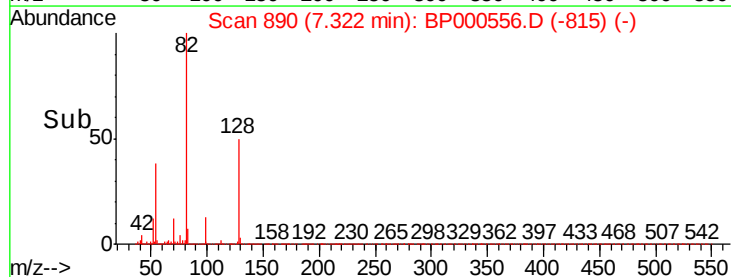
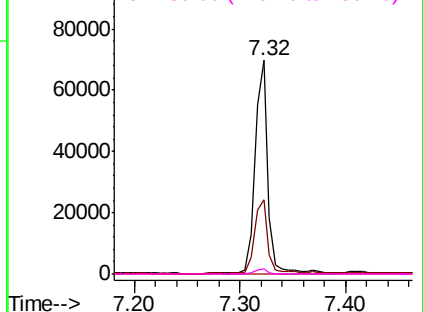


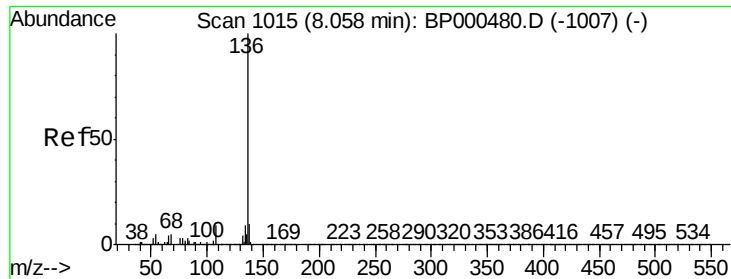
Abundance Ion 70.00 (69.70 to 70.70): BP0

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

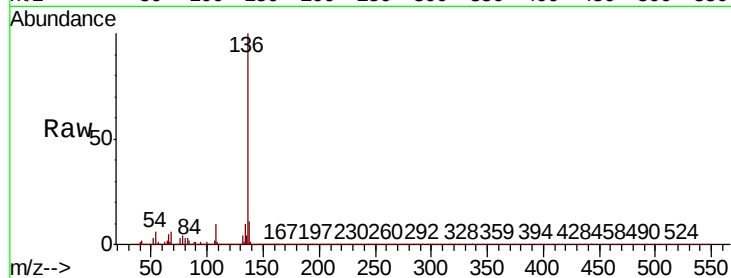




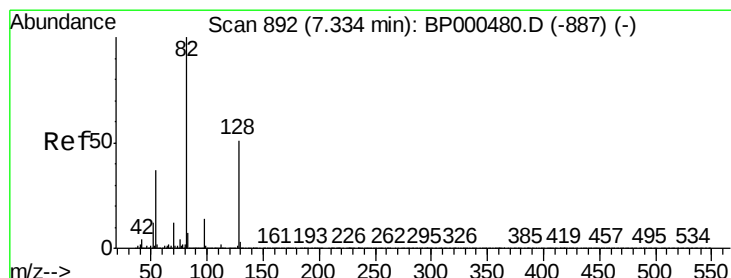
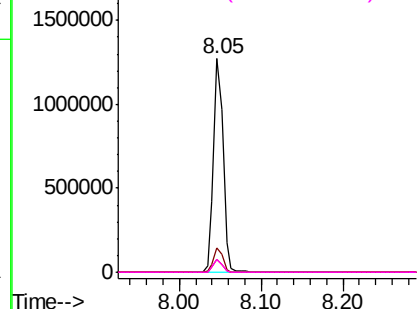
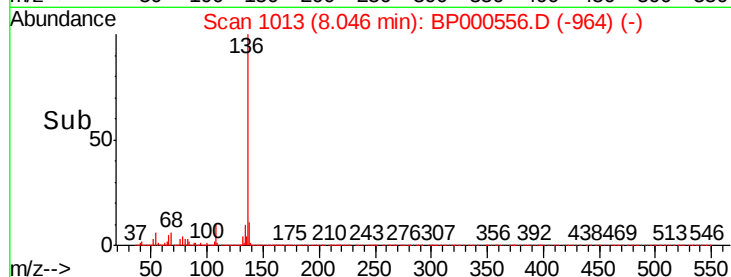
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp: 1039981
Ion Ratio	Lower Upper
136 100	
137 11.2	8.2 12.4
54 6.0	4.1 6.1
68 6.0	4.1 6.1

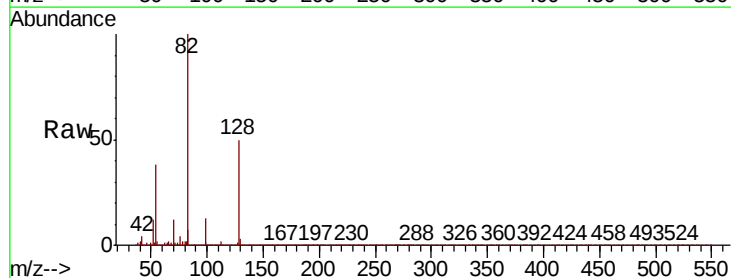


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

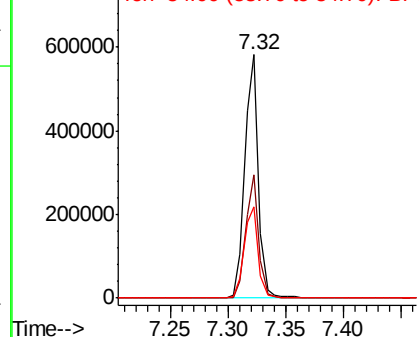
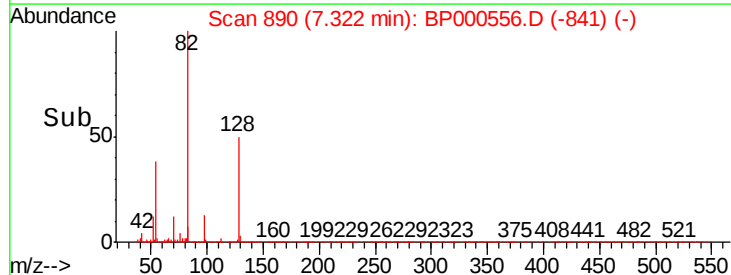


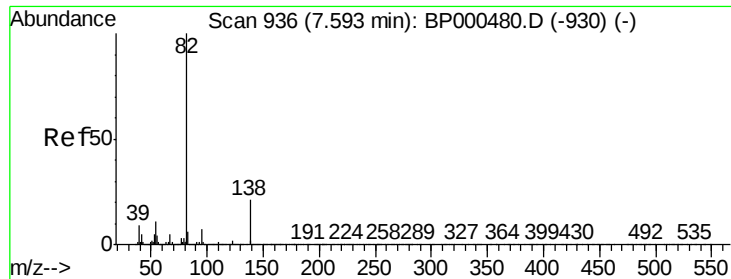
#23
Nitrobenzene-d5
Concen: 27.842 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Tgt	Ion: 82	Resp:	474087
Ion	Ratio	Lower	Upper
82	100		
128	50.5	40.9	61.3
54	37.6	29.4	44.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 15.664 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Instrument :

BNA_P

ClientSampleId :

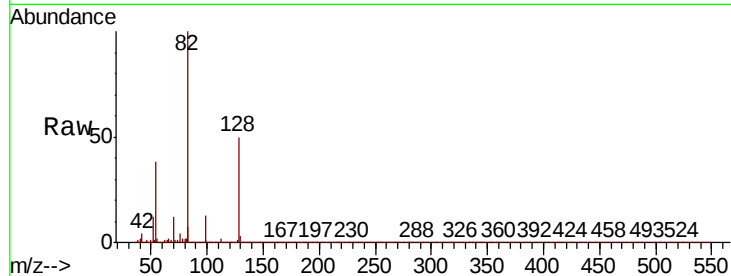
Tot Ion: 82 Resp: 473379

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 17.0 25.4#

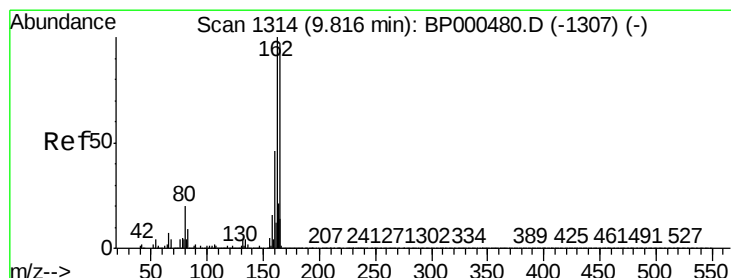
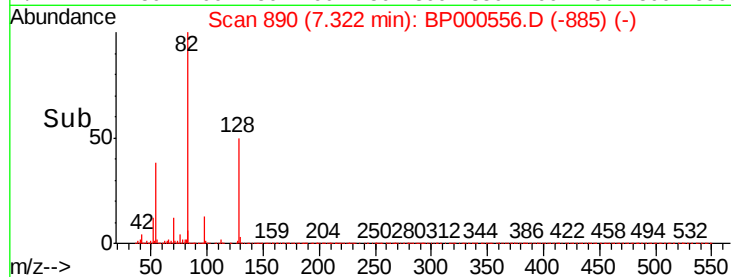
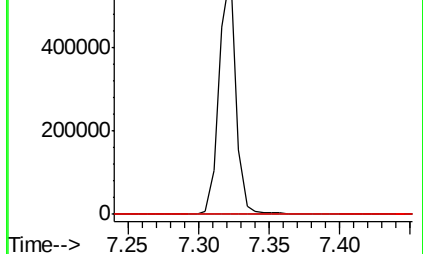


Abundance Ion 82.00 (81.70 to 82.70): BP000480.D (-930) (-)

Ion 95.00 (94.70 to 95.70): BP000480.D (-930) (-)

Ion 138.00 (137.70 to 138.70): BP000480.D (-930) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

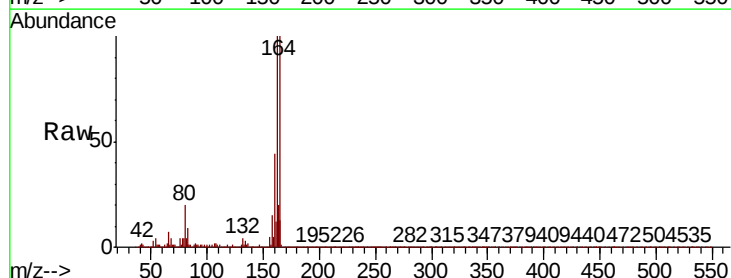
Tgt Ion: 164 Resp: 575533

Ion Ratio Lower Upper

164 100

162 99.5 82.2 123.2

160 44.4 37.6 56.4

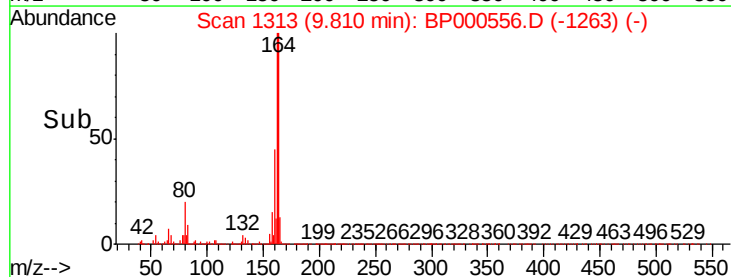
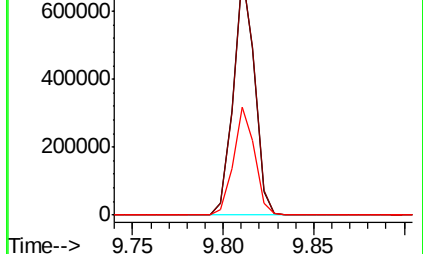


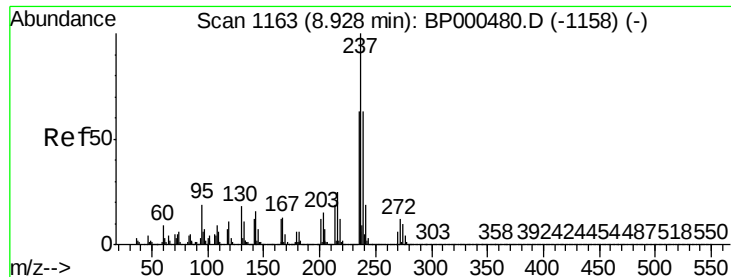
Abundance Ion 164.00 (163.70 to 164.70): BP000480.D (-1307) (-)

Ion 162.00 (161.70 to 162.70): BP000480.D (-1307) (-)

Ion 160.00 (159.70 to 160.70): BP000480.D (-1307) (-)

Time-->





#41

Hexachlorocyclopentadiene

Concen: 7.299 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.01 min

Lab File: BP000556.D

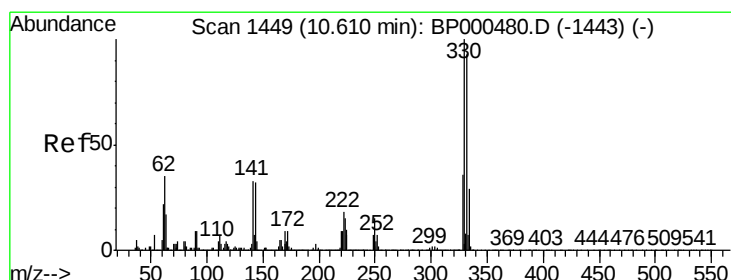
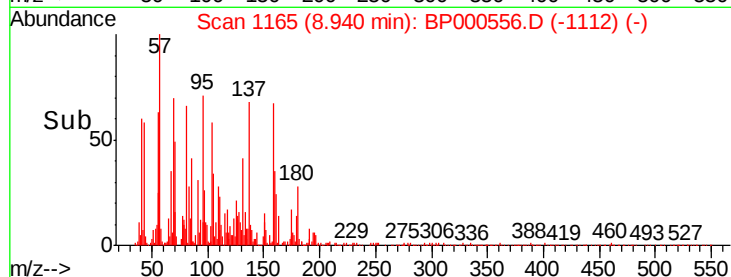
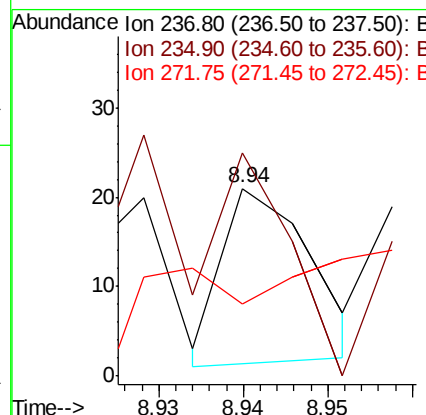
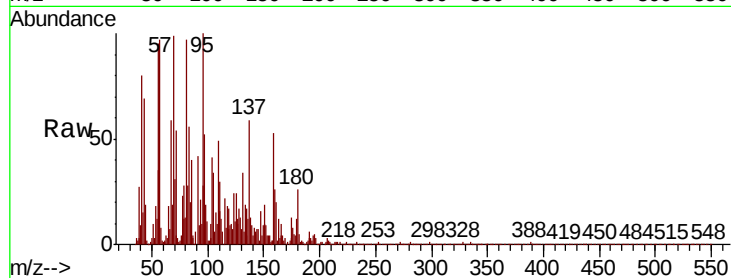
Acq: 07 Oct 2019 20:33

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	237	Resp:	14
Ion	Ratio	Lower	Upper
237	100		
235	119.0	42.9	82.9#
272	38.1	0.0	32.4#



#42

2,4,6-Tribromophenol

Concen: 40.849 ng

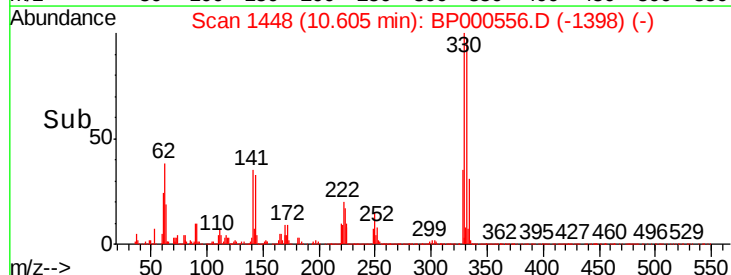
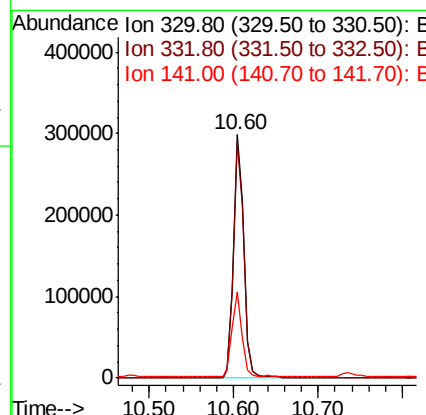
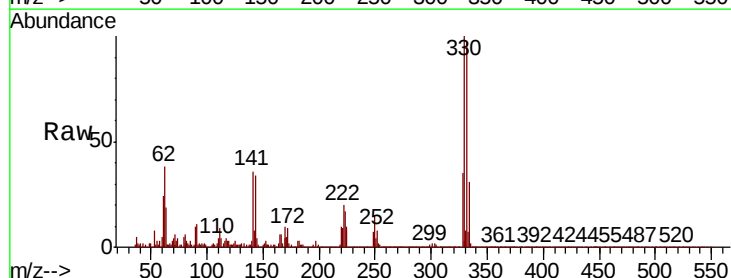
RT: 10.60 min Scan# 1448

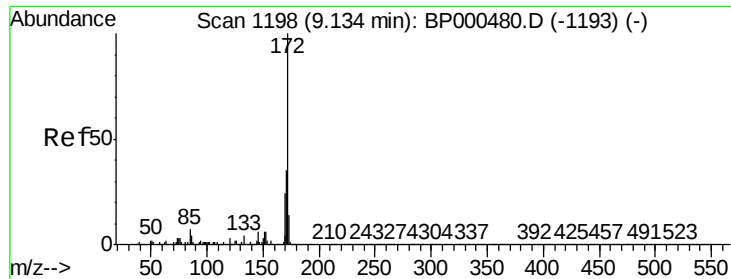
Delta R.T. -0.01 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Tgt Ion:	330	Resp:	250529
Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	32.7	26.0	39.0

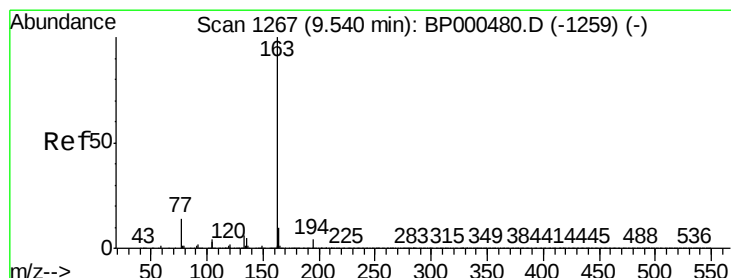
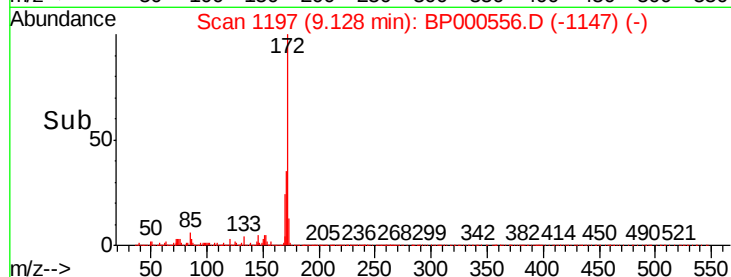
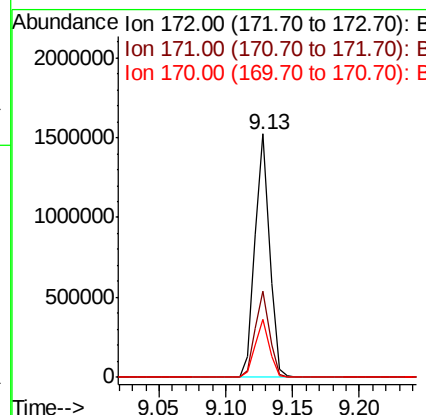
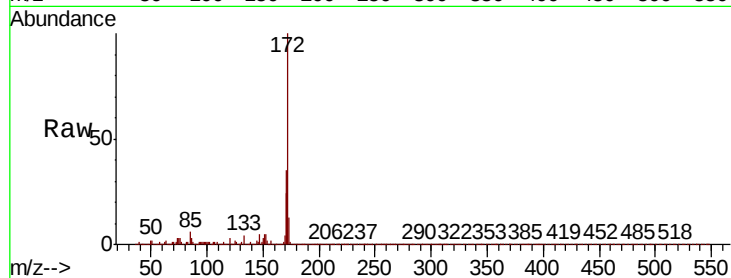




#45
2-Fluorobiphenyl
Concen: 31.885 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

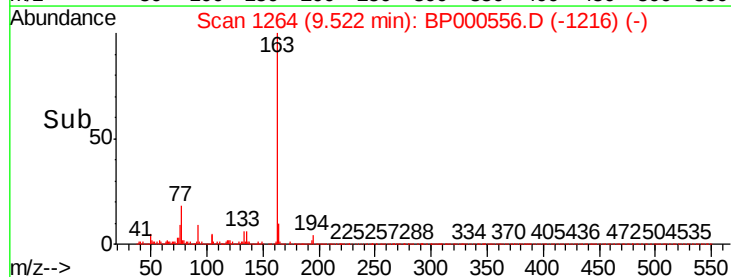
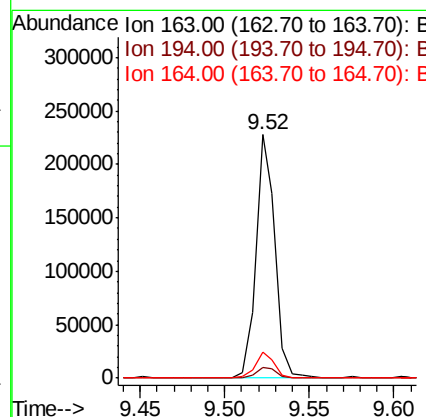
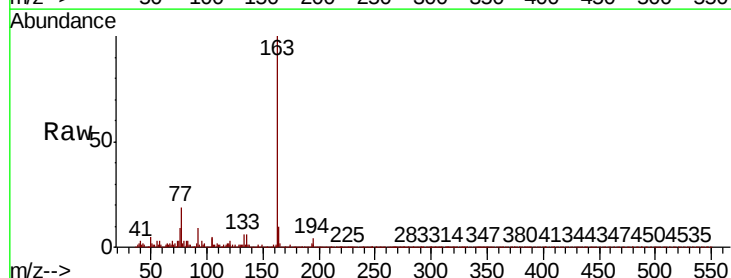
Instrument :
BNA_P
ClientSampleId :

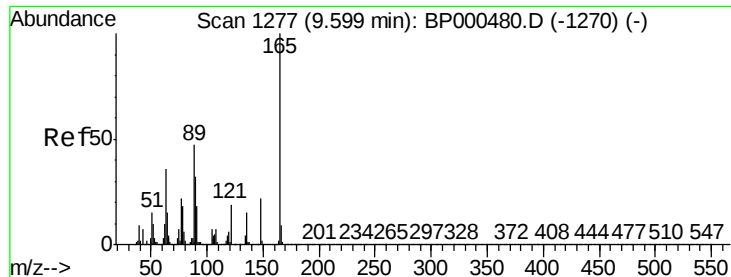
Tot Ion:172 Resp: 1134186
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.6 19.1 28.7



#50
Dimethylphthalate
Concen: 4.427 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Tgt Ion:163 Resp: 177055
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.908 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.21 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Instrument :

BNA_P

ClientSampleId :

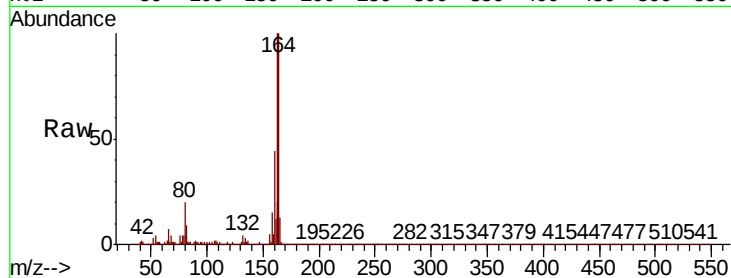
Tot Ion:165 Resp: 77682

Ion Ratio Lower Upper

165 100

63 1.3 29.9 44.9#

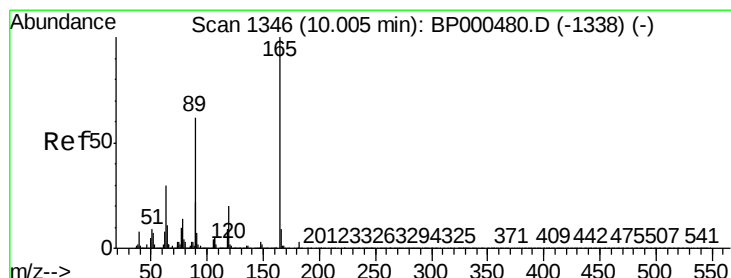
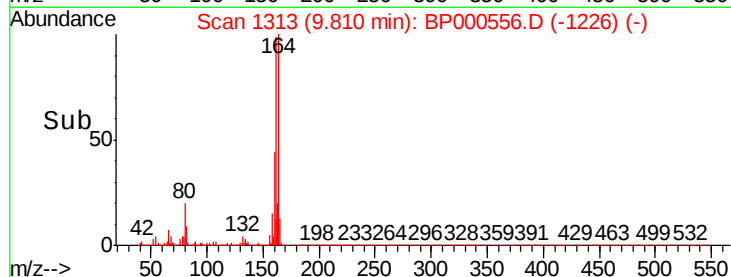
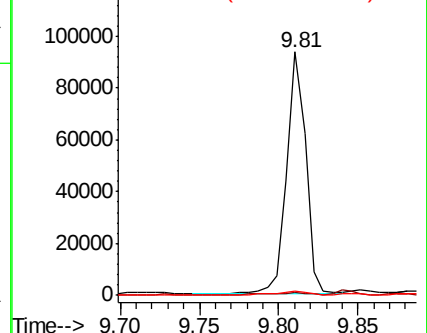
89 1.6 37.3 55.9#



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: 6.718 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Tgt Ion:165 Resp: 77682

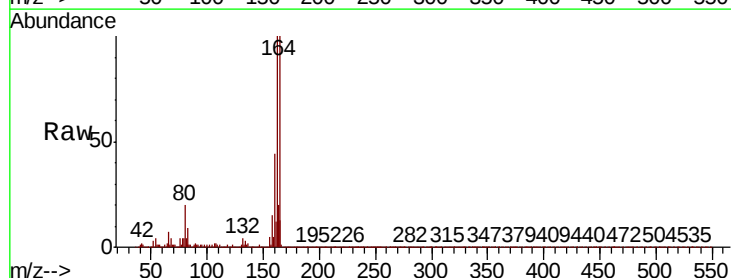
Ion Ratio Lower Upper

165 100

63 1.3 24.2 36.4#

89 1.6 49.4 74.0#

182 1.1 2.5 3.7#

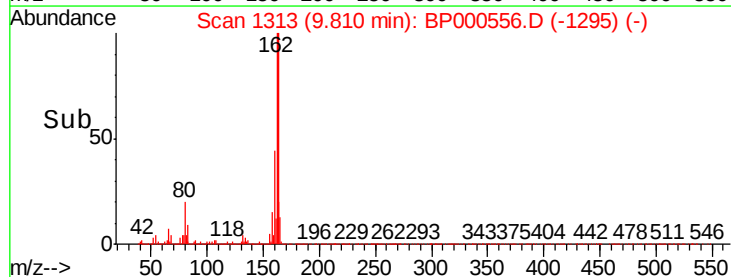
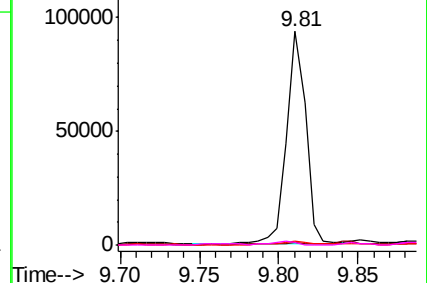


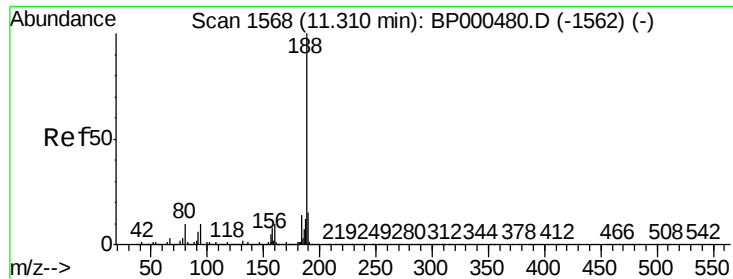
Abundance Ion 165.00 (164.70 to 165.70): E

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: BP000556.D

Acq: 07 Oct 2019 20:33

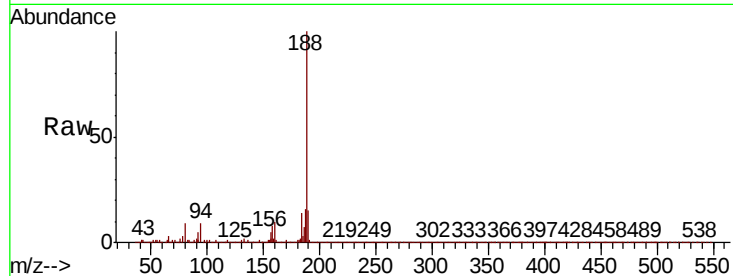
Instrument :

BNA_P

ClientSampleId :

Tot Ion:188 Resp: 1027280

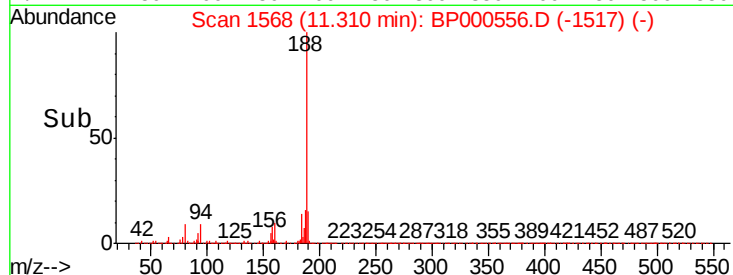
Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	9.2	8.3	12.5



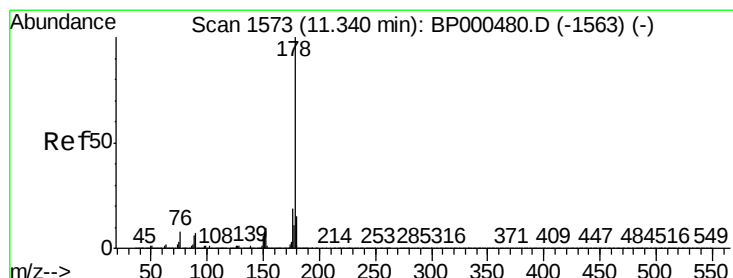
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



Time--> 11.25 11.30 11.35



#71

Phenanthrene

Concen: 6.718 ng

RT: 11.33 min Scan# 1572

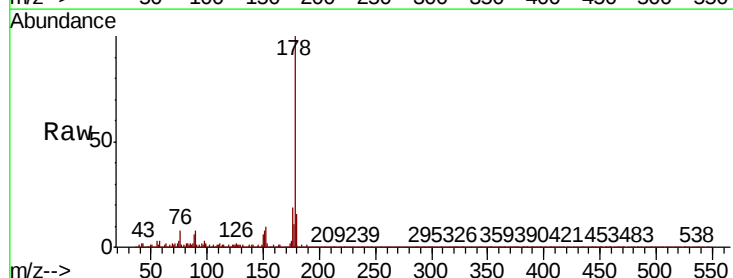
Delta R.T. -0.01 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Tgt Ion:178 Resp: 346593

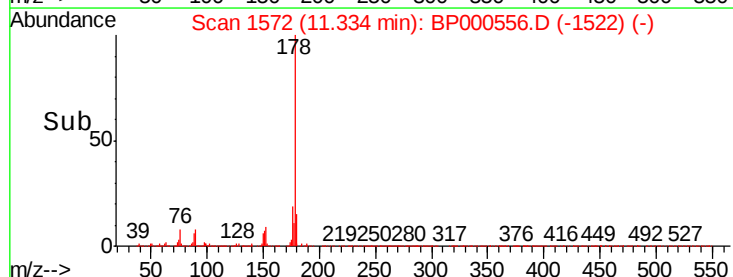
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.2	18.4



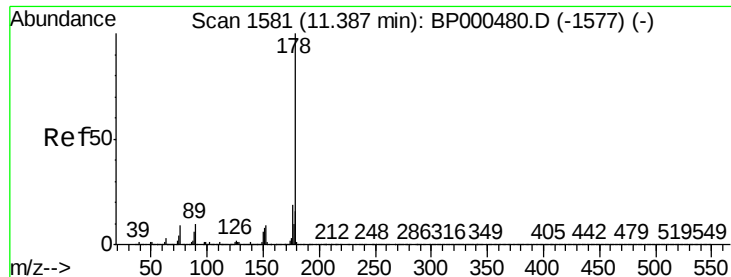
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.25 11.30 11.35



#72

Anthracene

Concen: 2.037 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

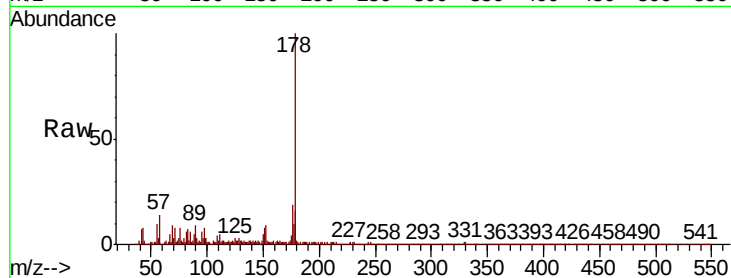
Instrument :

BNA_P

ClientSampled :

Tot Ion:178 Resp: 104189

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.9	12.6	19.0

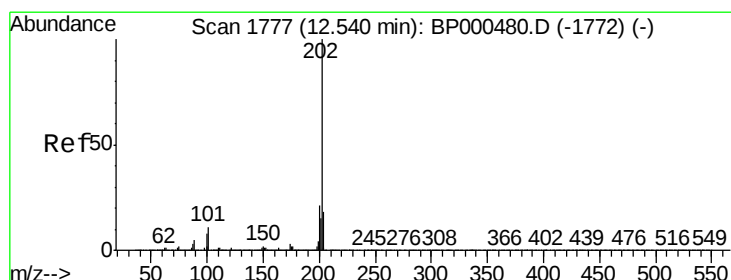
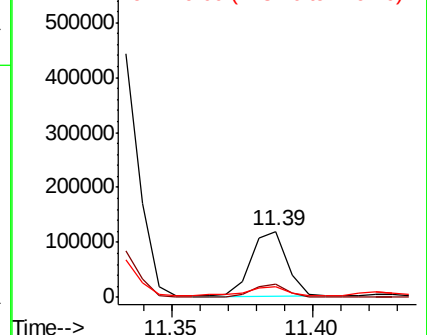
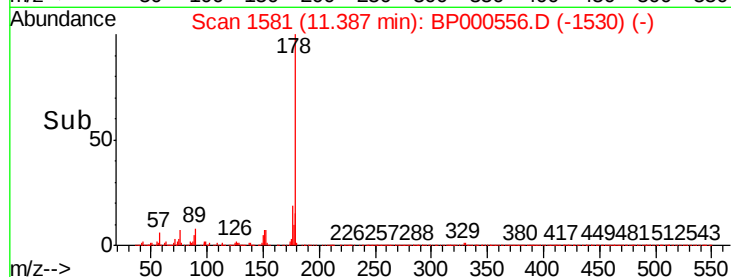


Abundance

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



#75

Fluoranthene

Concen: 11.488 ng

RT: 12.54 min Scan# 1777

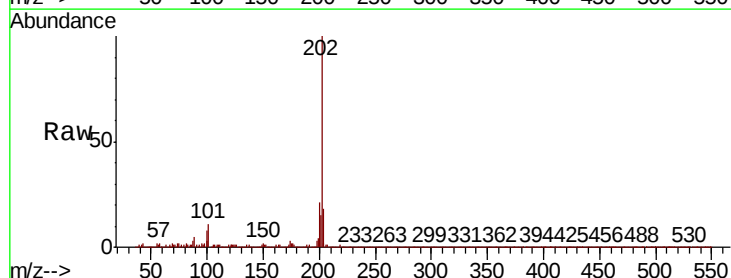
Delta R.T. 0.00 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Tgt Ion:202 Resp: 665643

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.3
203	17.6	0.0	38.1

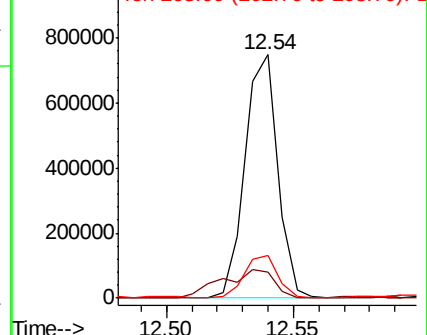
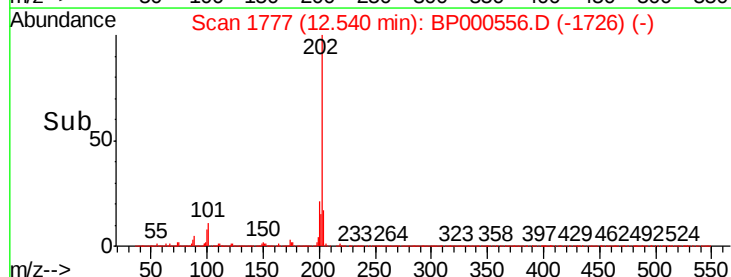


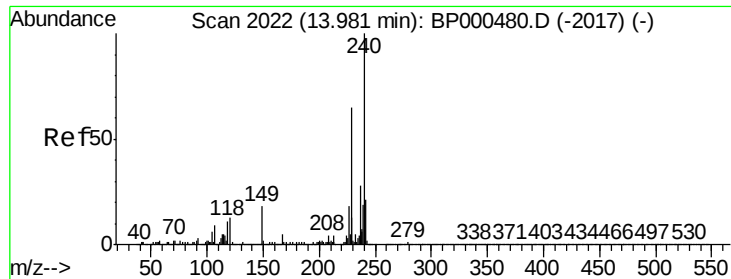
Abundance

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

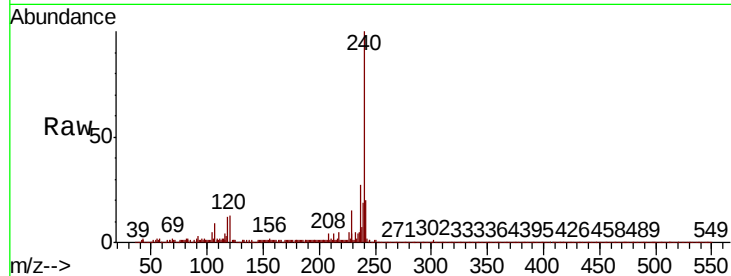




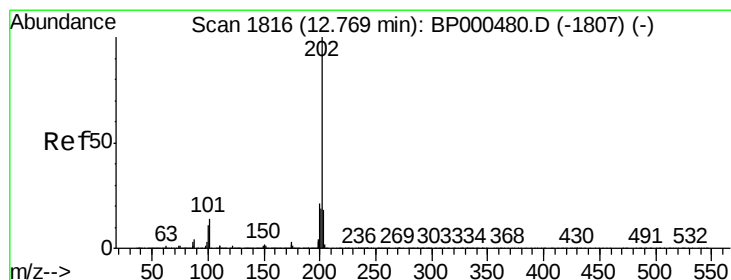
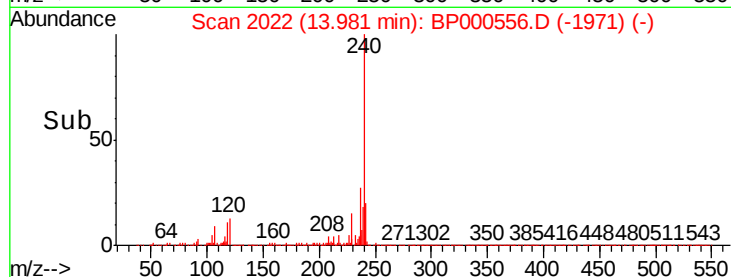
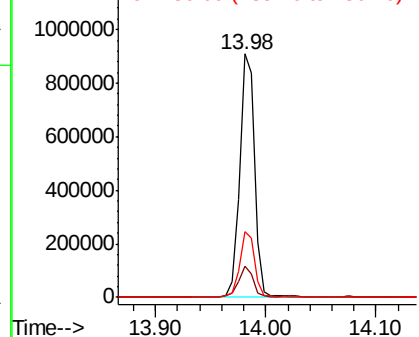
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 853199
Ion Ratio Lower Upper
240 100
120 13.0 10.1 15.1
236 26.9 22.7 34.1

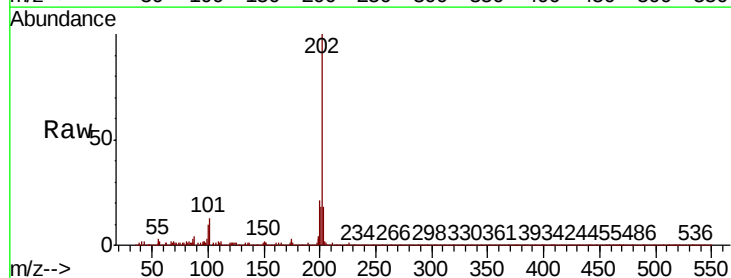


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

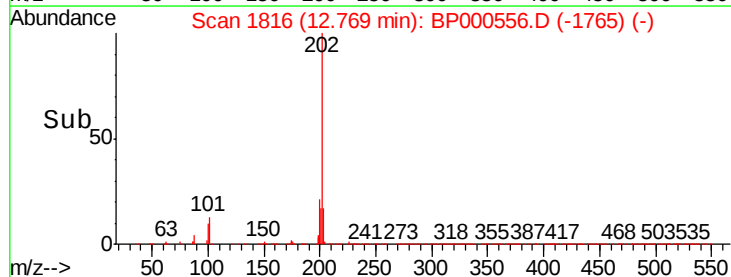
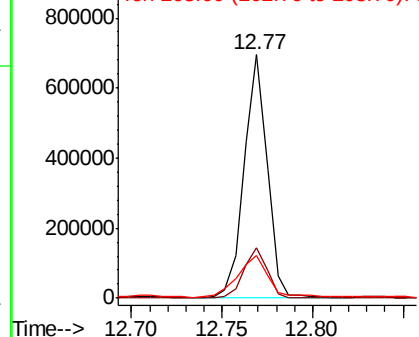


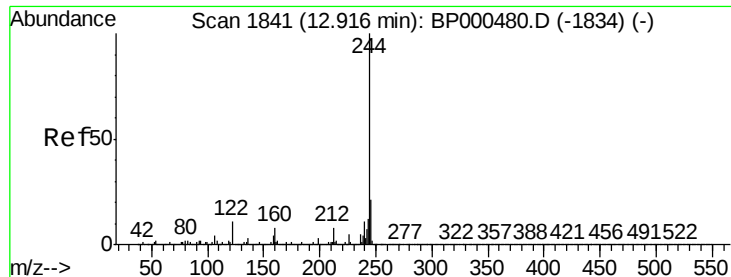
#78
Pyrene
Concen: 10.343 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Tgt Ion:202 Resp: 608658
Ion Ratio Lower Upper
202 100
200 20.9 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: 29.229 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Instrument :

BNA_P

ClientSampleId :

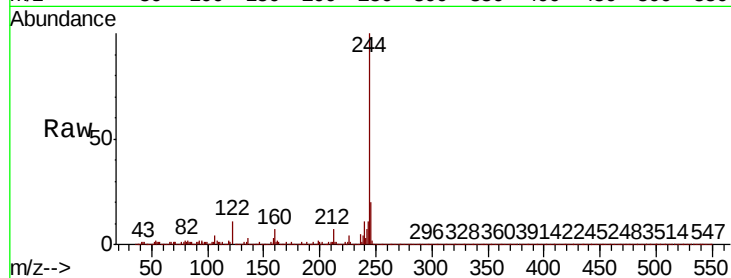
Tot Ion:244 Resp: 1231667

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

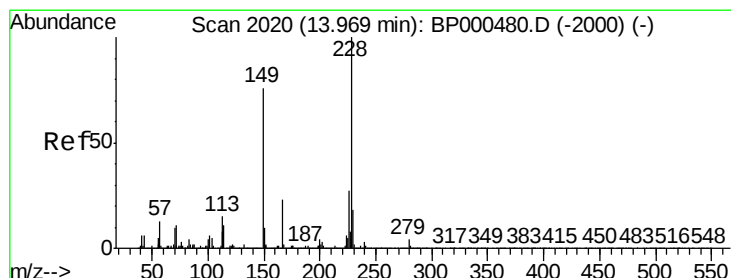
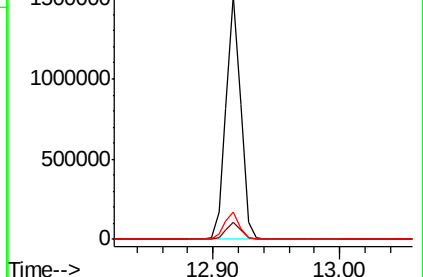
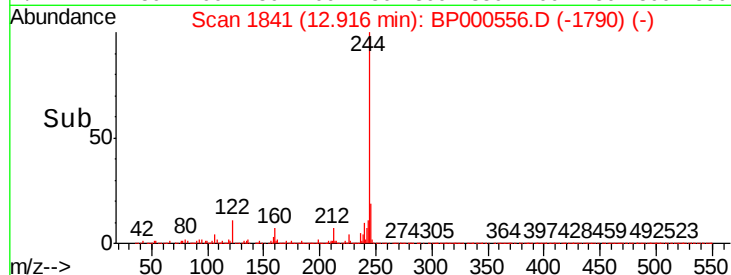
122 11.2 8.9 13.3



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: 6.379 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

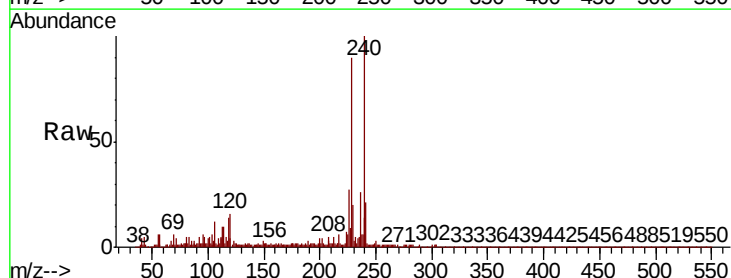
Tgt Ion:228 Resp: 332058

Ion Ratio Lower Upper

228 100

226 30.2 21.4 32.2

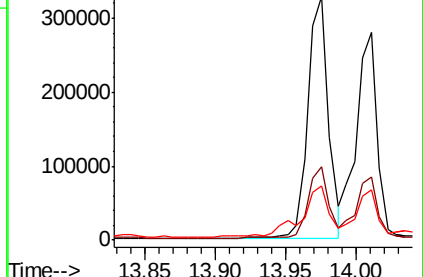
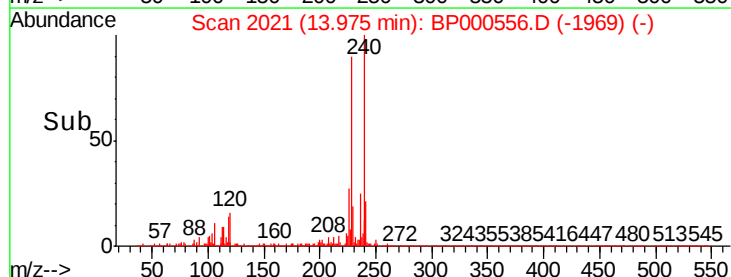
229 22.1 14.7 22.1#

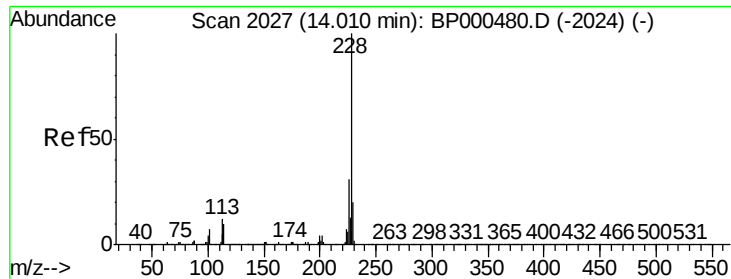


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.629 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

Instrument :

BNA_P

ClientSampled :

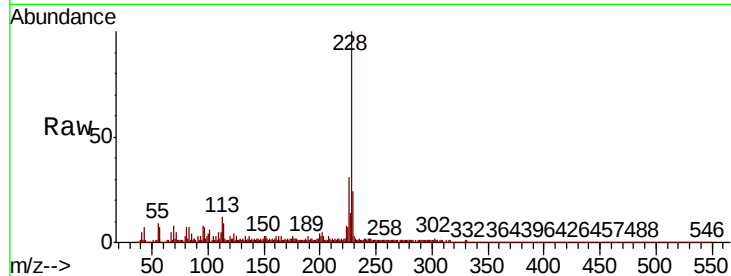
Tot Ion:228 Resp: 287590

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

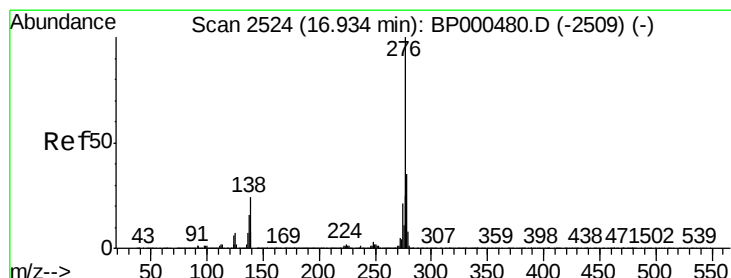
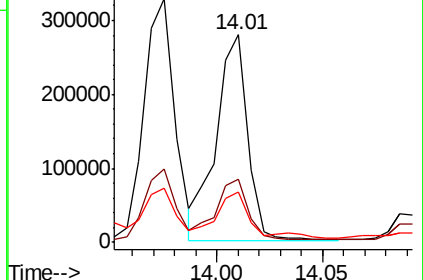
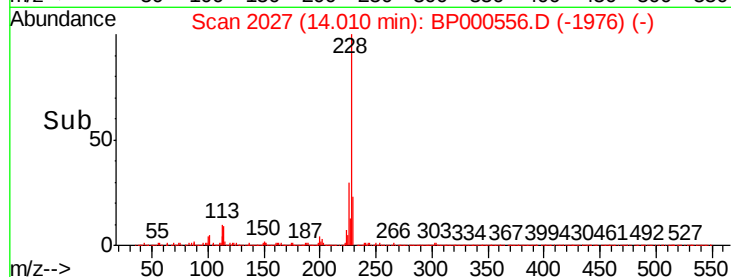
229 24.2 16.3 24.5



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: 2.041 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.01 min

Lab File: BP000556.D

Acq: 07 Oct 2019 20:33

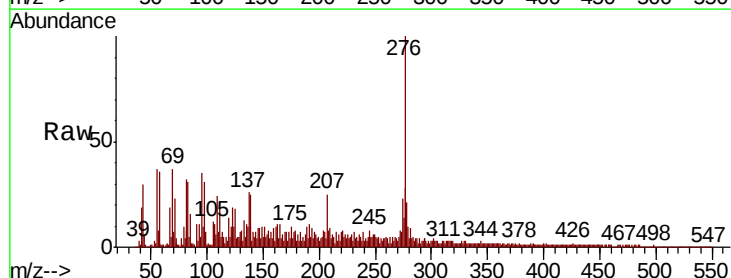
Tgt Ion:276 Resp: 130280

Ion Ratio Lower Upper

276 100

138 21.3 20.9 31.3

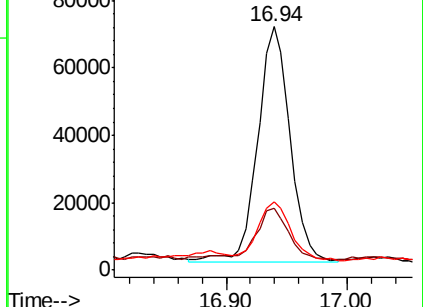
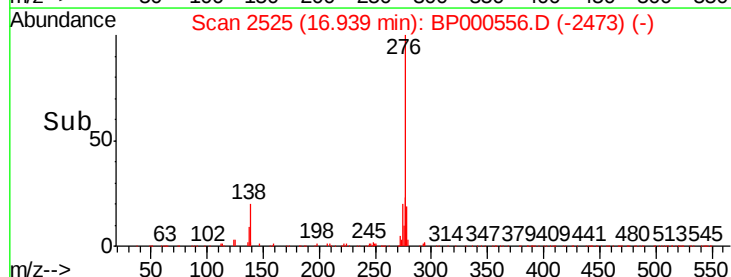
277 25.0 20.6 30.8

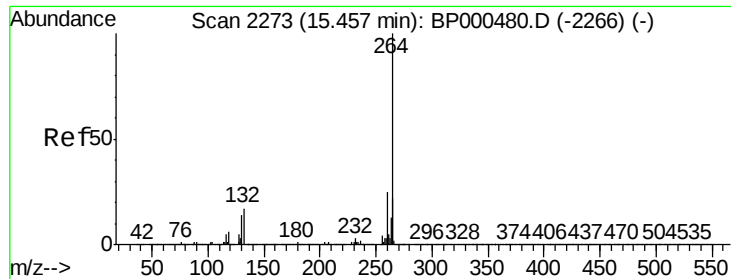


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

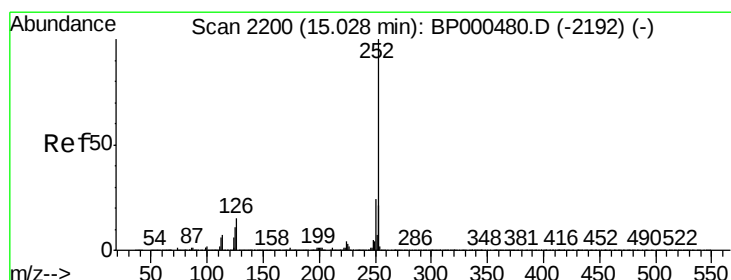
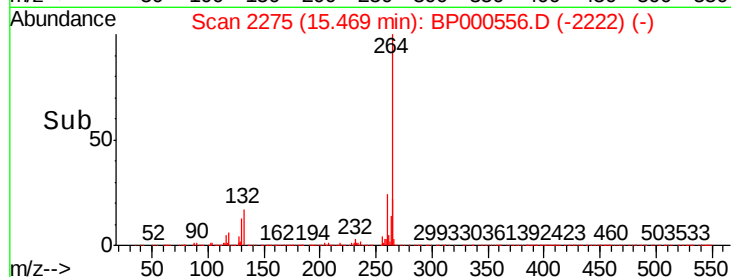
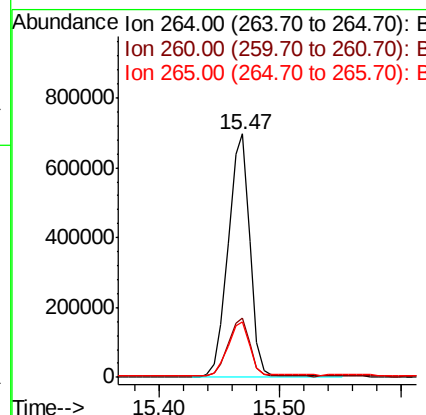
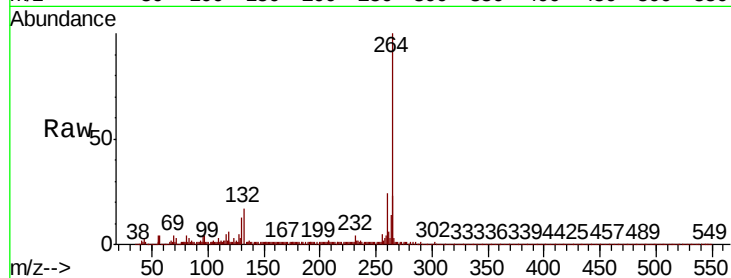




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

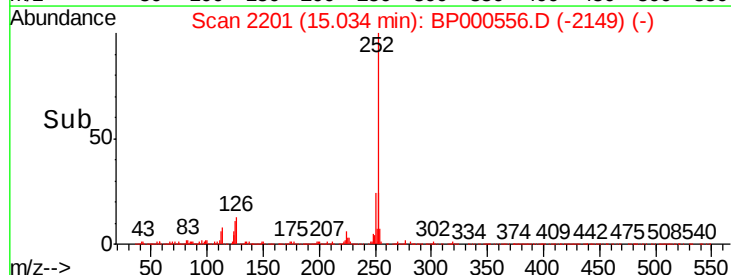
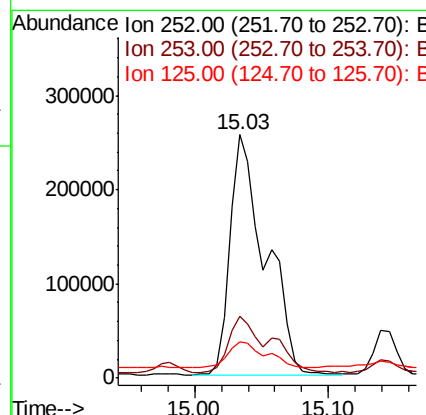
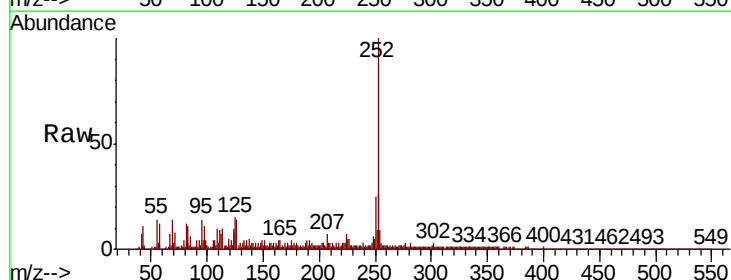
Instrument :
BNA_P
ClientSampleId :

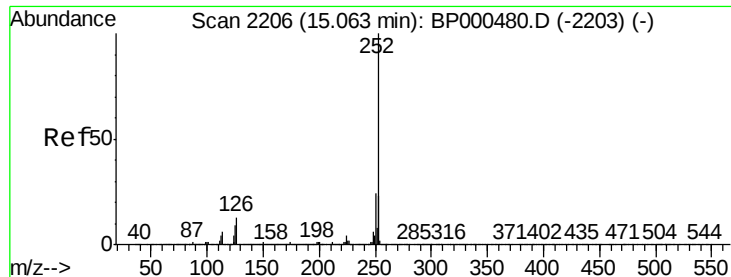
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.3	30.5
265	22.6	18.0	27.0



#88
Benzo(b)fluoranthene
Concen: 9.734 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.4#
125	15.1	8.9	13.3#

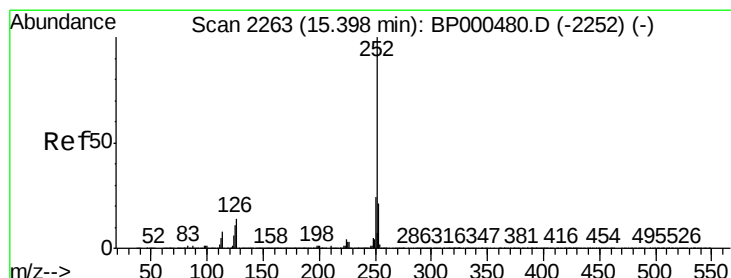
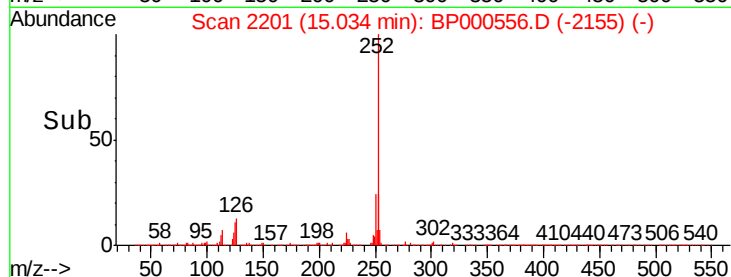
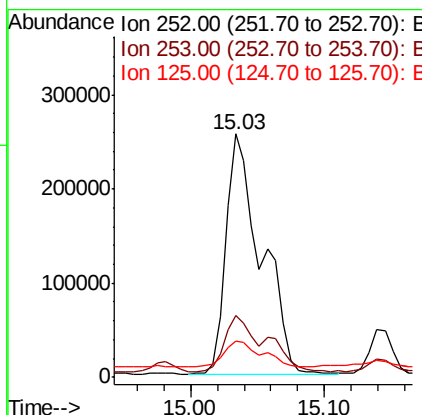
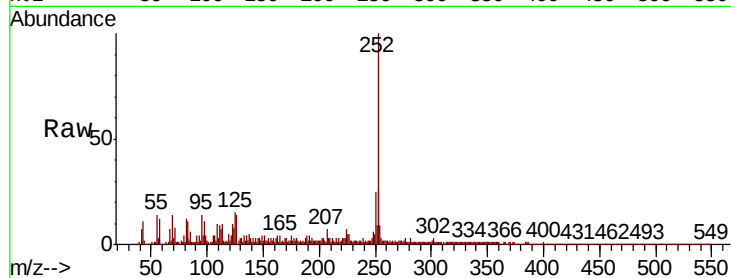




#89
Benzo(k)fluoranthene
Concen: 10.224 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

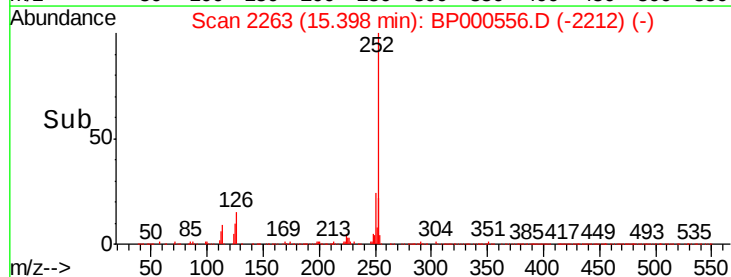
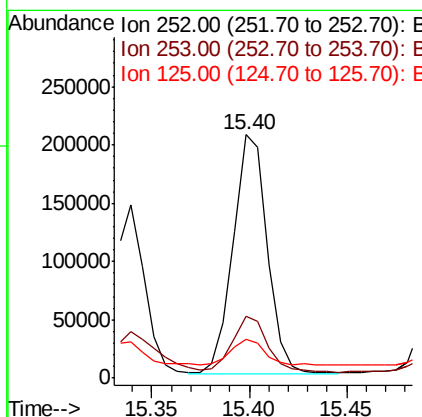
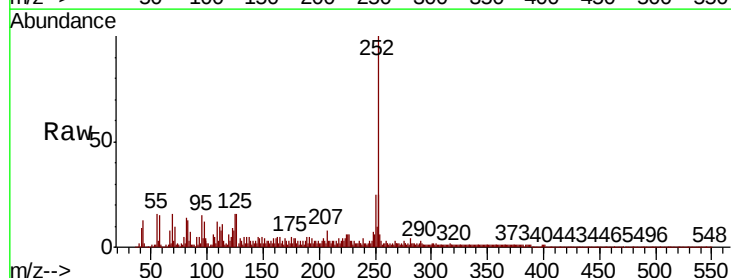
Instrument :
BNA_P
ClientSampleId :

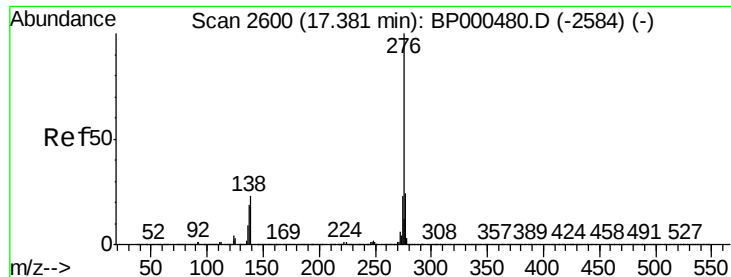
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	15.1	7.8	11.8



#90
Benzo(a)pyrene
Concen: 5.509 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BP000556.D
Acq: 07 Oct 2019 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	16.1	8.4	12.6

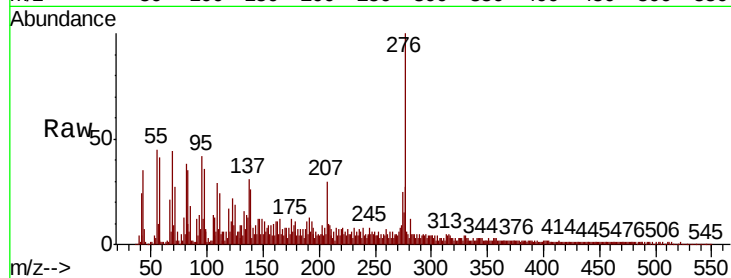




#92
 Benzo(a,h,i)perylene
 Concen: 2.572 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.01 min
 Lab File: BP000556.D
 Acq: 07 Oct 2019 20:33

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.4	29.2
138	25.8	18.5	27.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

