

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
 Data File : BP000435.D
 Acq On : 26 Sep 2019 20:24
 Operator : JU
 Sample : K5038-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TS-3

Quant Time: Oct 09 05:47:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	247764	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	891864	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	486381	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	889119	20.00	ng	0.00
76) Chrysene-d12	14.01	240	720214	20.00	ng	0.01
87) Perylene-d12	15.50	264	802859	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1372062	95.60	ng	0.02
7) Phenol-d6	6.44	99	1744931	99.19	ng	0.02
23) Nitrobenzene-d5	7.35	82	977124	70.69	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	470012	97.43	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2133320	78.94	ng	0.00
79) Terphenyl-d14	12.94	244	2440519	71.09	ng	0.00

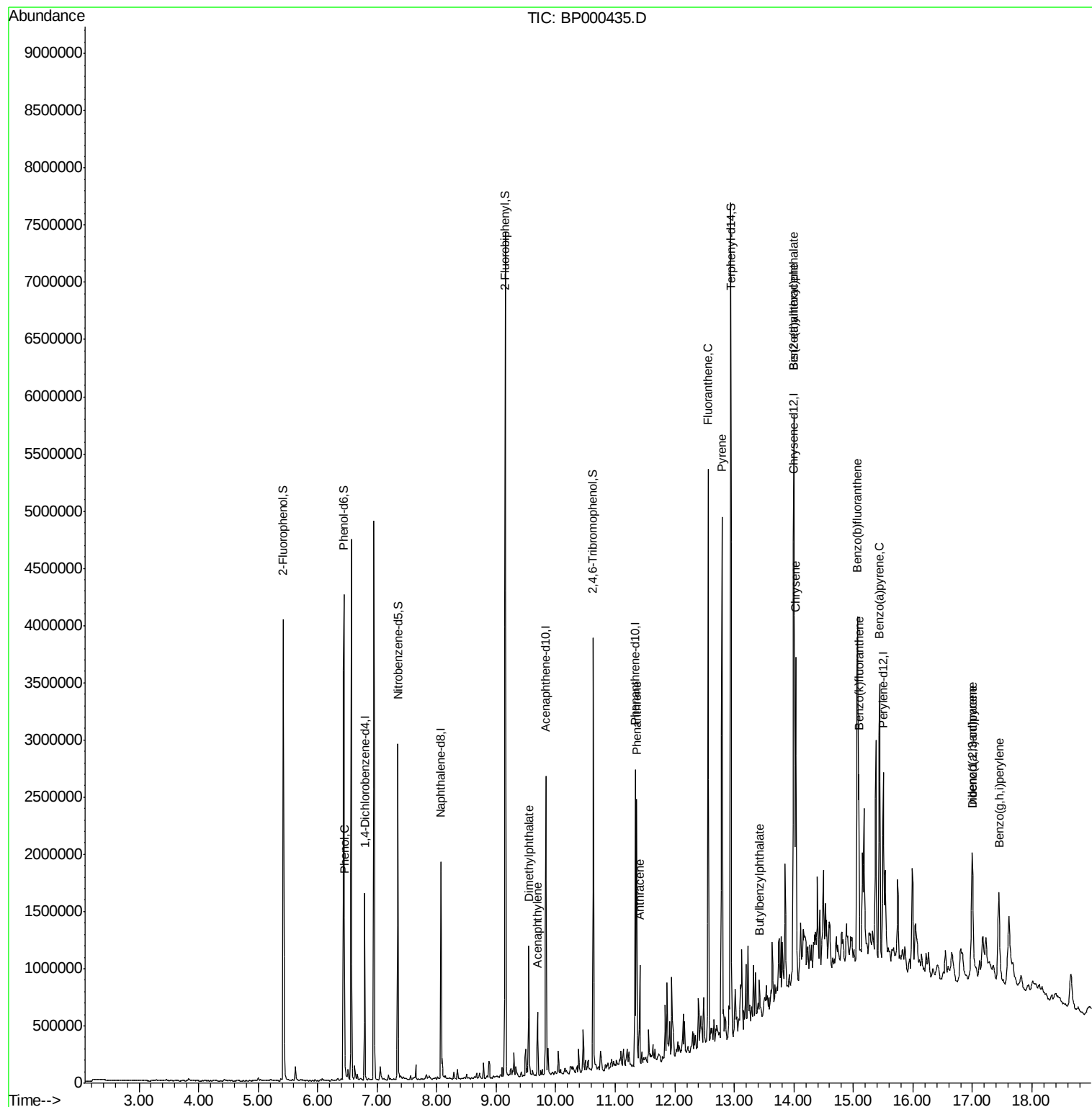
Target Compounds					Qvalue
10) Phenol	6.45	94	68974	3.451 ng	96
49) Acenaphthylene	9.69	152	202505	4.773 ng	99
50) Dimethylphthalate	9.55	163	393783	11.883 ng	99
71) Phenanthrene	11.36	178	780405	17.515 ng	99
72) Anthracene	11.41	178	326252	7.114 ng	99
75) Fluoranthene	12.56	202	1868801	39.061 ng	98
78) Pyrene	12.79	202	1863063	34.575 ng	99
80) Butylbenzylphthalate	13.42	149	65017	2.626 ng	95
81) Benzo(a)anthracene	14.00	228	1145486	25.179 ng	95
83) Chrysene	14.03	228	1054070	23.598 ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	737802	24.824 ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	692341	12.716 ng	94
88) Benzo(b)fluoranthene	15.07	252	1729110m	36.102 ng	
89) Benzo(k)fluoranthene	15.09	252	486012m	11.633 ng	
90) Benzo(a)pyrene	15.44	252	1095564	25.139 ng	99
91) Dibenzo(a,h)anthracene	17.00	278	191514	4.713 ng	93
92) Benzo(g,h,i)perylene	17.45	276	642544	15.385 ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampleId :

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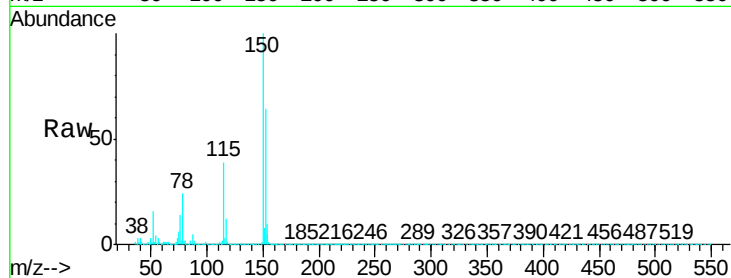
Tgt Ion:152 Resp: 247764

Ion Ratio Lower Upper

152 100

150 156.5 125.2 187.8

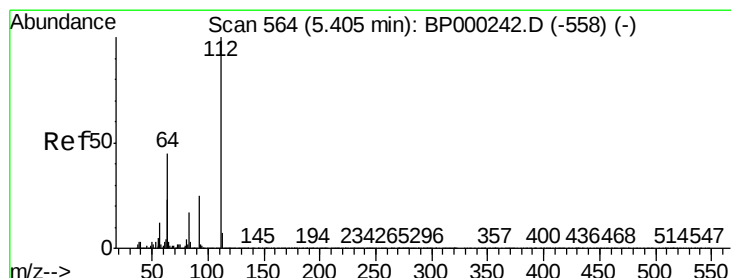
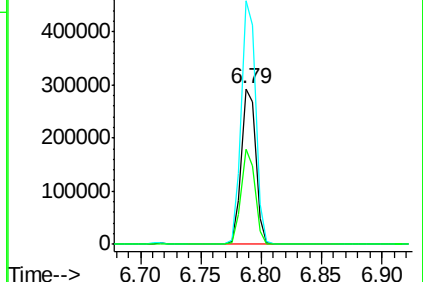
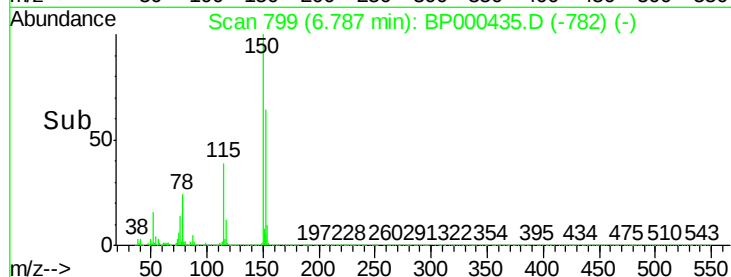
115 61.2 49.7 74.5



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: 95.601 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.02 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

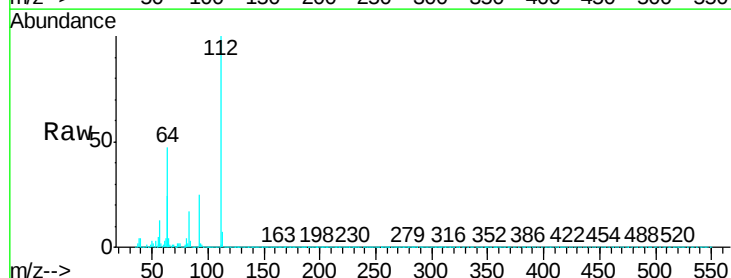
Tgt Ion:112 Resp: 1372062

Ion Ratio Lower Upper

112 100

64 46.6 36.2 54.4

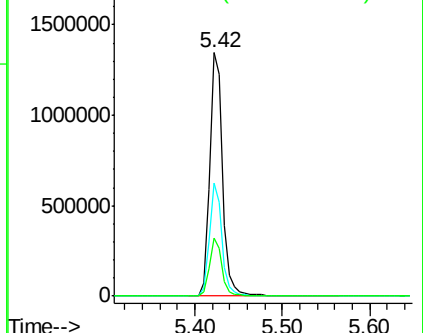
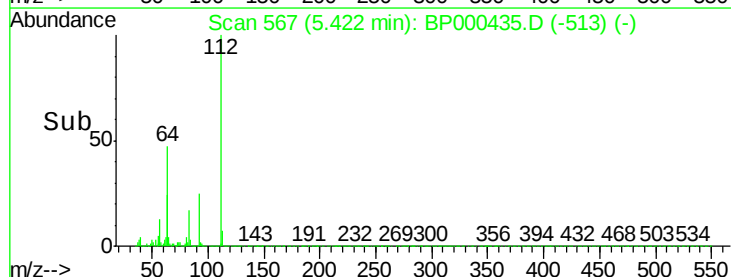
63 24.0 18.3 27.5

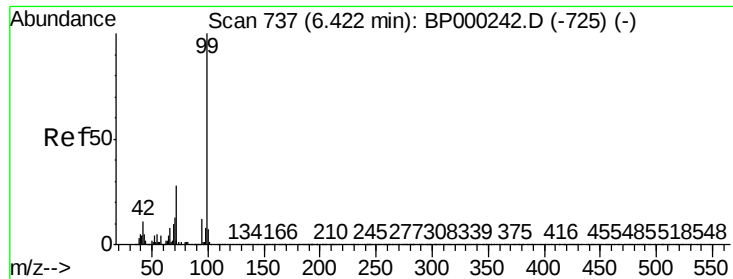


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 99.187 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampled :

TS-3

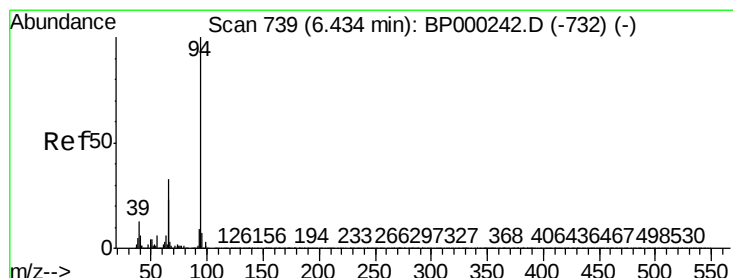
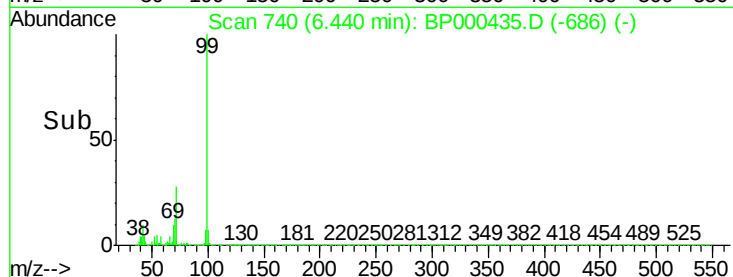
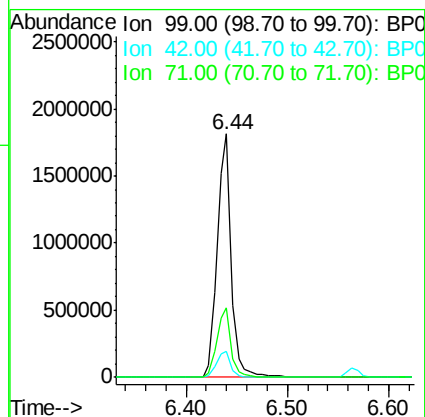
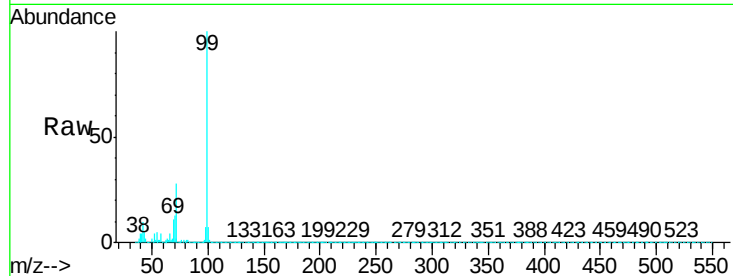
Tgt Ion: 99 Resp: 1744931

Ion Ratio Lower Upper

99 100

42 10.5 8.5 12.7

71 28.5 22.6 34.0



#10

Phenol

Concen: 3.451 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

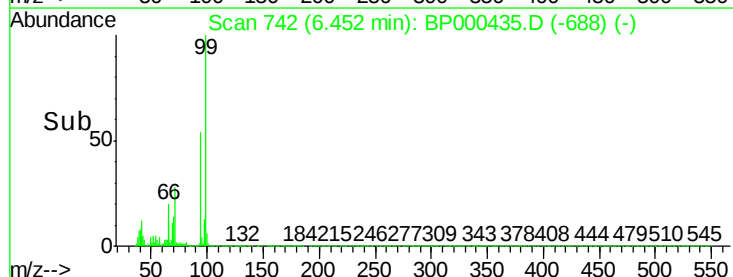
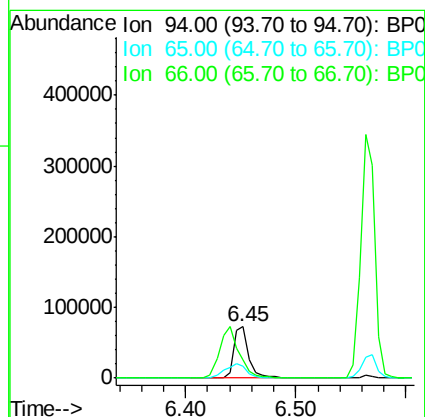
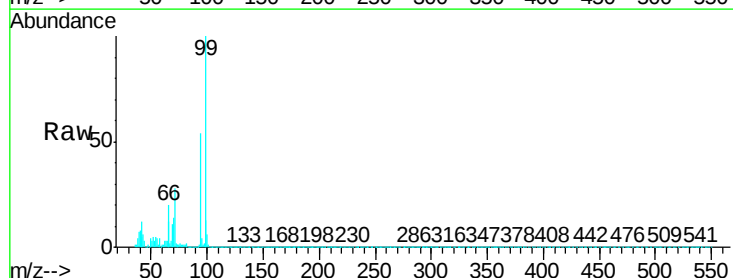
Tgt Ion: 94 Resp: 68974

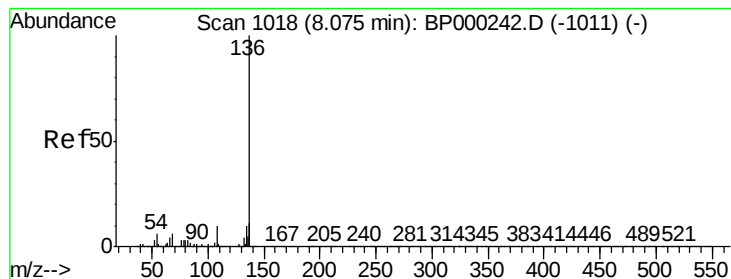
Ion Ratio Lower Upper

94 100

65 23.1 3.3 43.3

66 36.9 12.7 52.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampled :

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Tgt Ion: 136 Resp: 891864

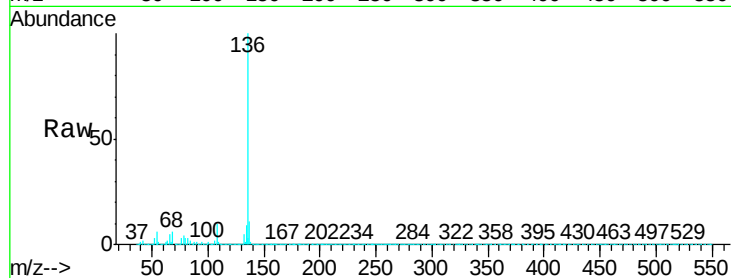
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 6.5 4.5 6.7

68 6.3 4.5 6.7

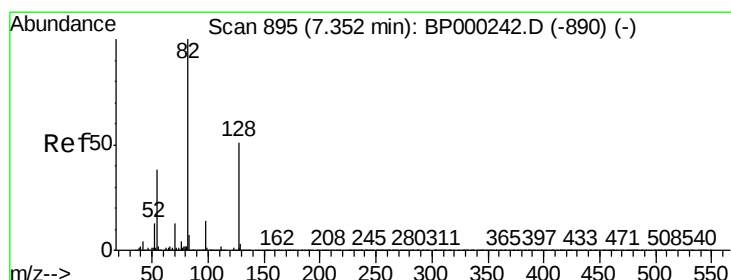
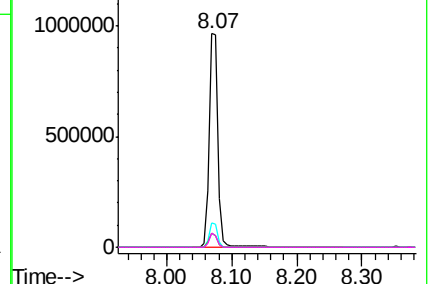
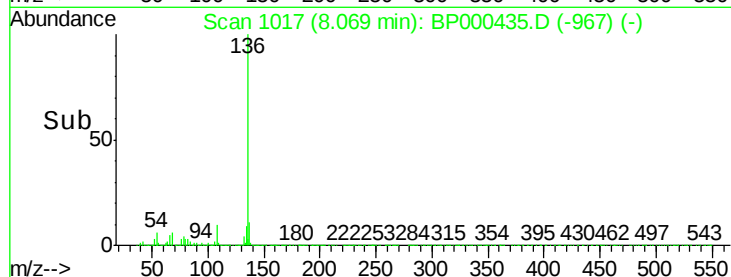


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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: 70.687 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

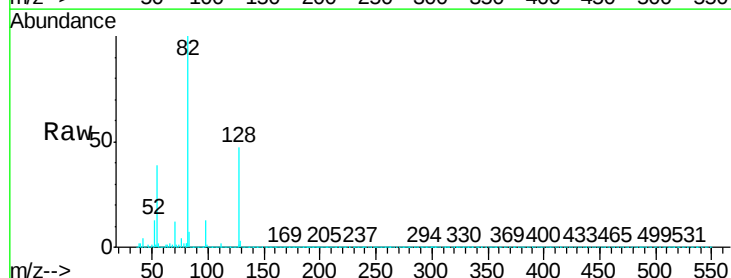
Tgt Ion: 82 Resp: 977124

Ion Ratio Lower Upper

82 100

128 47.4 40.7 61.1

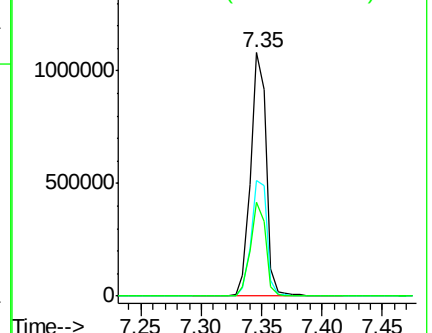
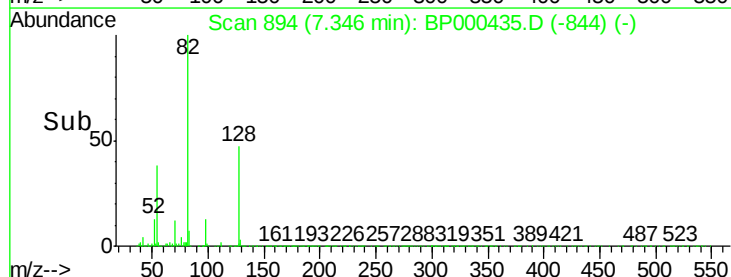
54 38.5 30.1 45.1

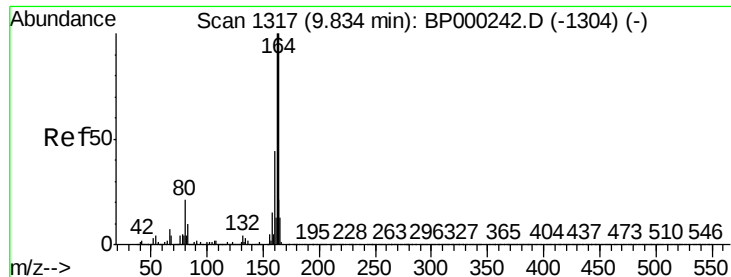


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

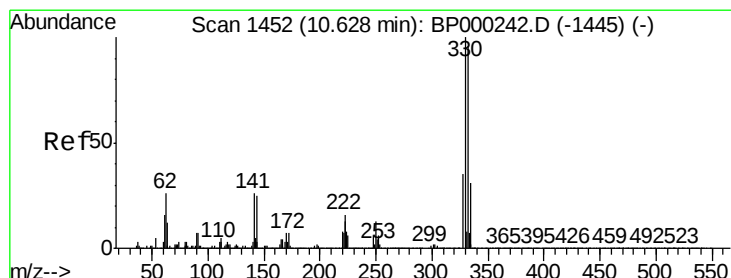
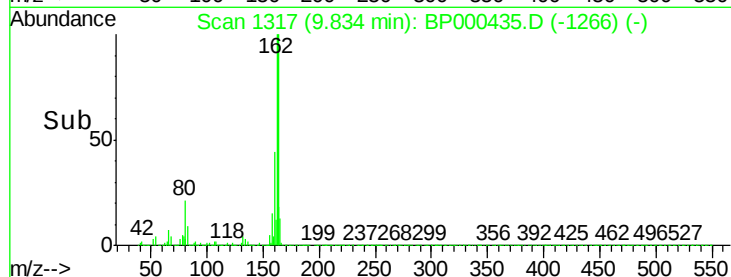
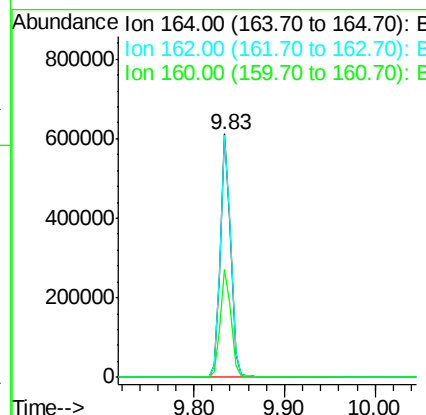
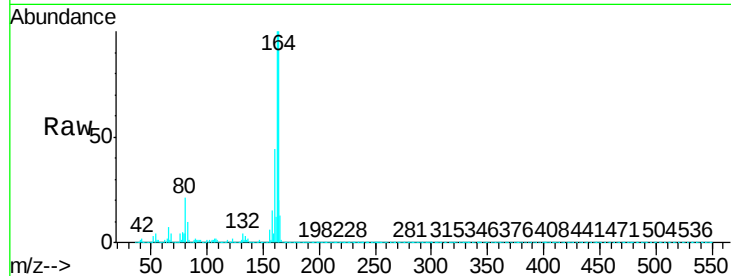




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

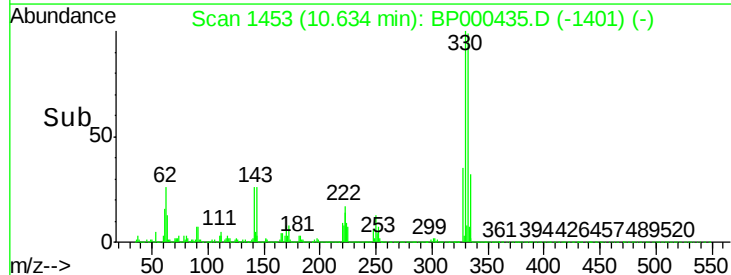
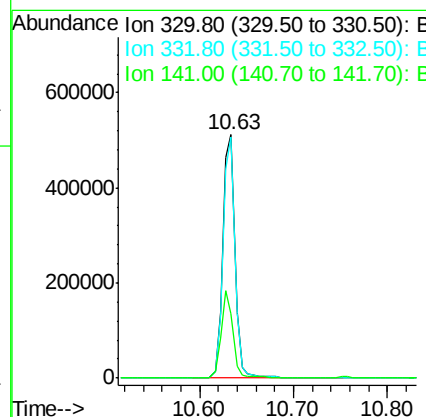
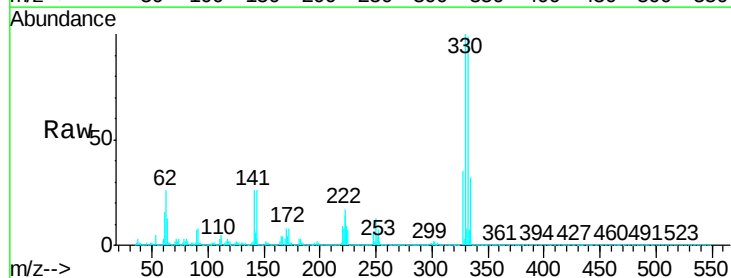
Instrument :
BNA_P
ClientSampleId :
TS-3

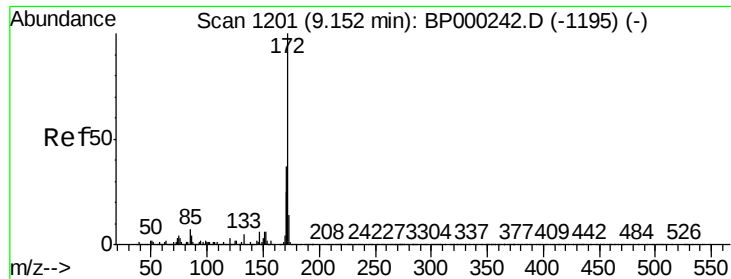
Tgt Ion:164 Resp: 486381
Ion Ratio Lower Upper
164 100
162 99.7 79.9 119.9
160 44.3 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 97.427 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

Tgt Ion:330 Resp: 470012
Ion Ratio Lower Upper
330 100
332 97.2 76.6 115.0
141 34.0 26.5 39.7

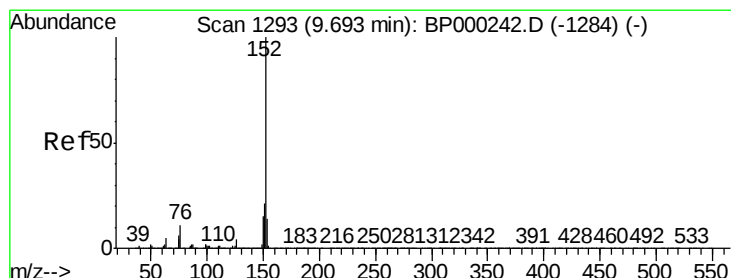
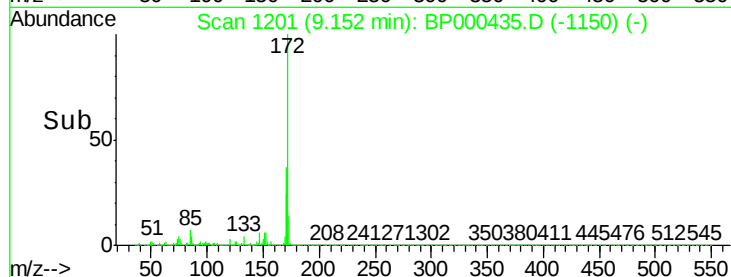
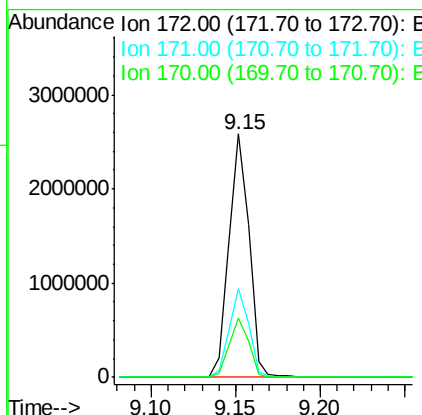
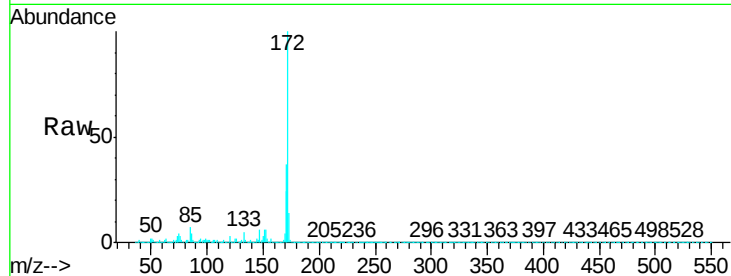




#45
2-Fluorobiphenyl
Concen: 78.942 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

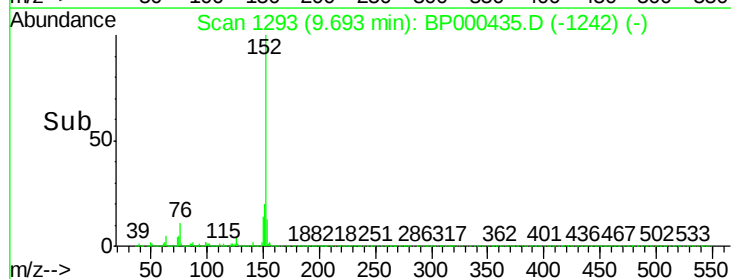
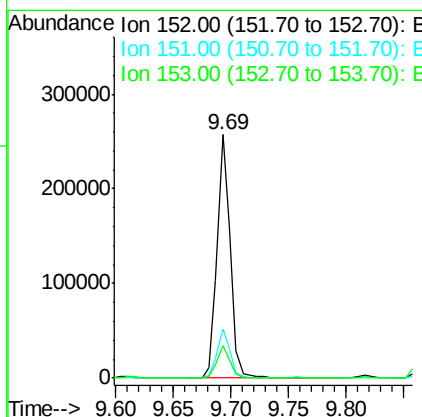
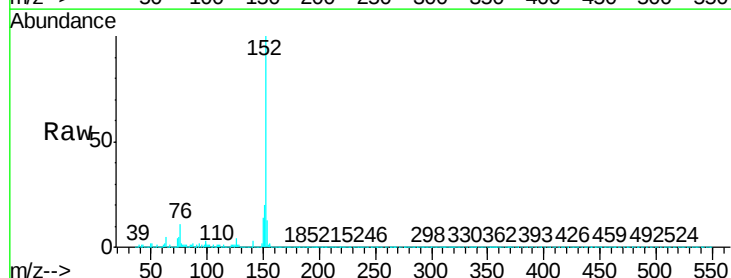
Instrument :
BNA_P
ClientSampleId :
TS-3

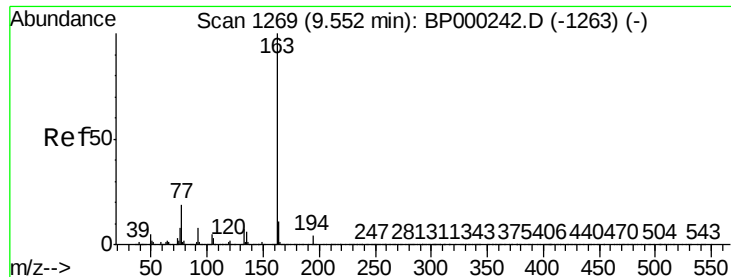
Tgt Ion:172 Resp: 2133320
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 24.2 19.8 29.6



#49
Acenaphthylene
Concen: 4.773 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

Tgt Ion:152 Resp: 202505
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 13.5 11.0 16.4

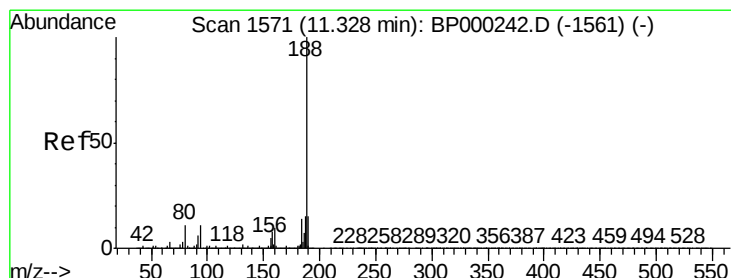
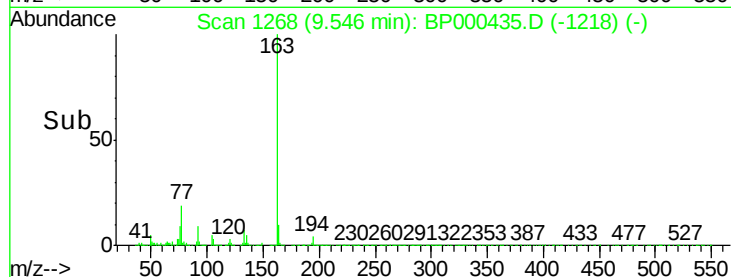
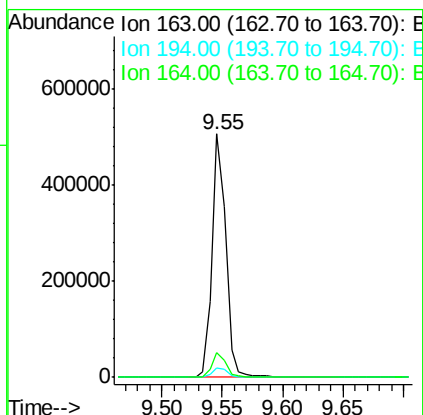
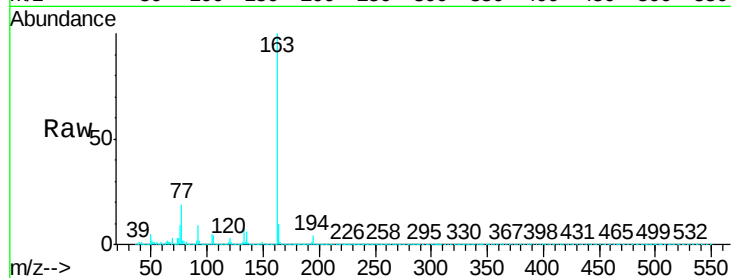




#50
Dimethylphthalate
Concen: 11.883 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

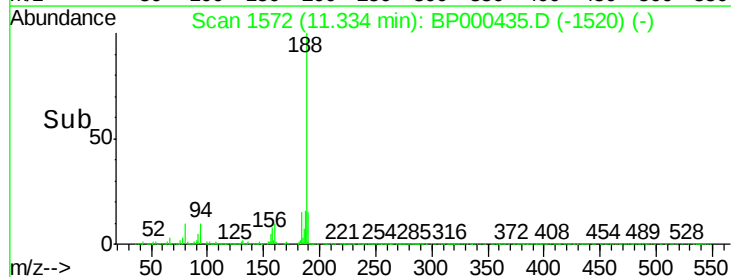
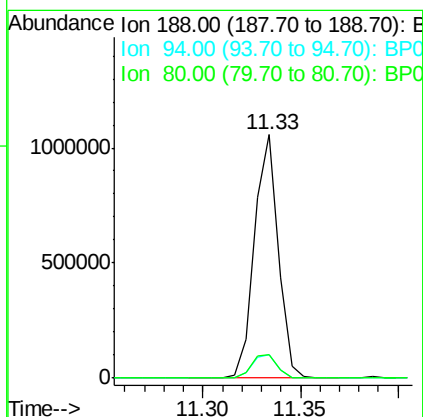
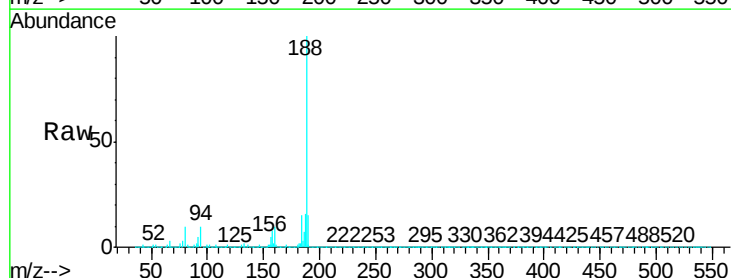
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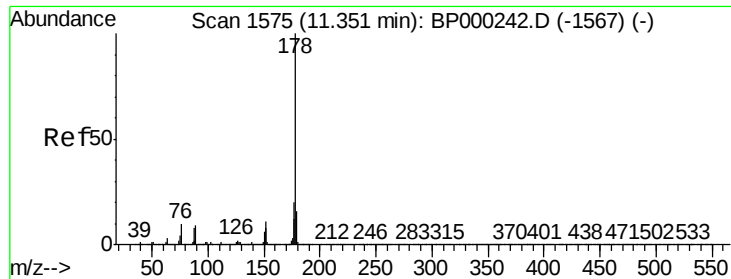
Tgt Ion:163 Resp: 393783
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.2 8.5 12.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

Tgt Ion:188 Resp: 889119
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 9.7 8.6 13.0

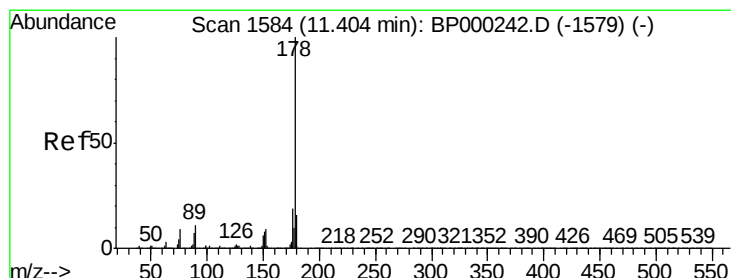
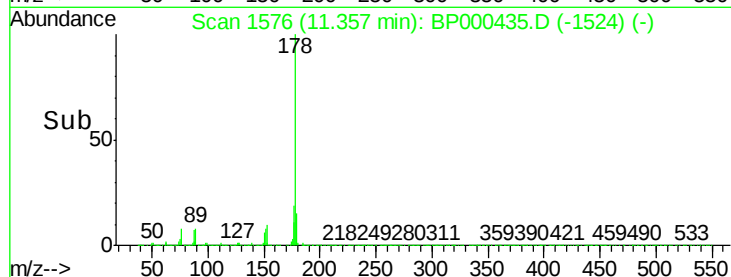
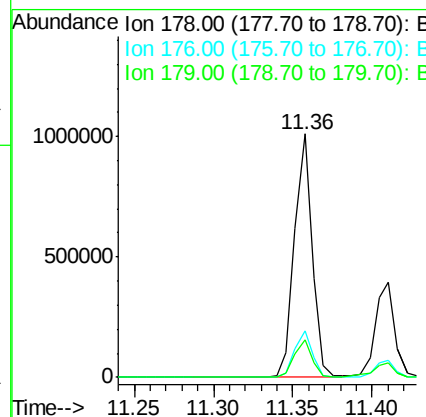
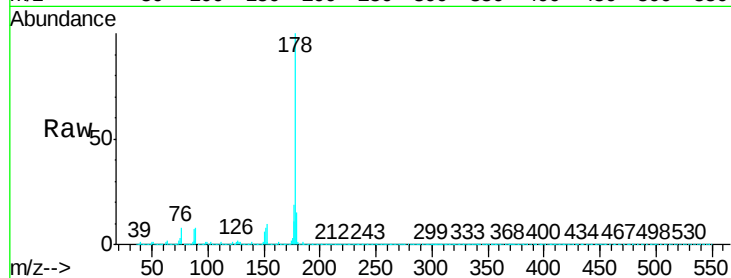




#71
Phenanthrene
Concen: 17.515 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

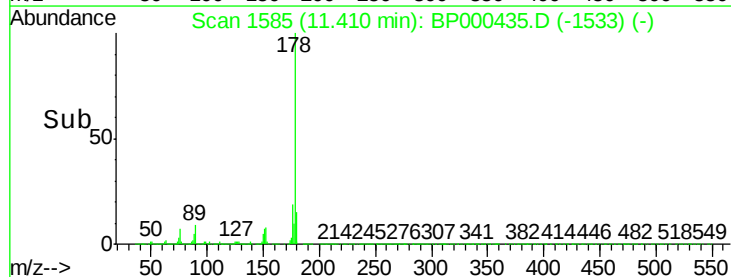
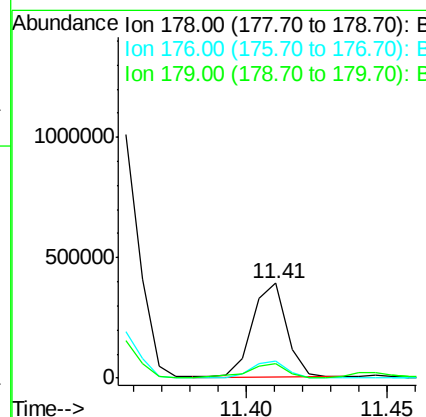
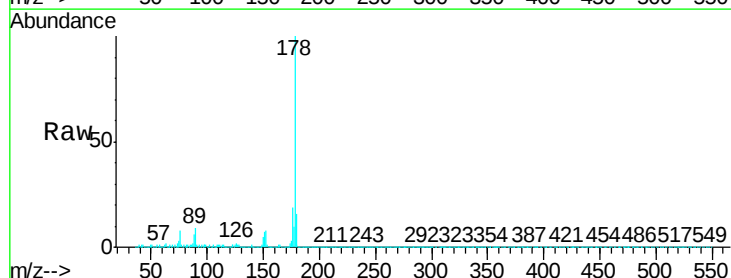
Instrument :
BNA_P
ClientSampleId :
TS-3

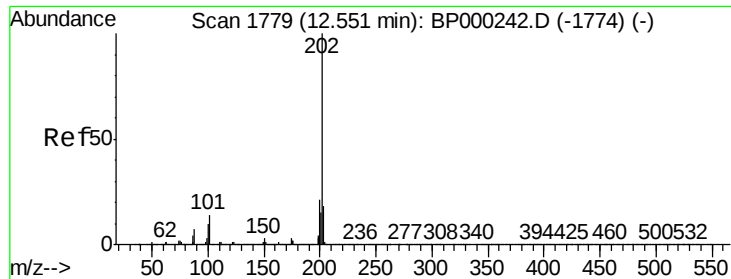
Tgt Ion:178 Resp: 780405
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.4 12.7 19.1



#72
Anthracene
Concen: 7.114 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

Tgt Ion:178 Resp: 326252
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.8 12.7 19.1





#75

Fluoranthene

Concen: 39.061 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampled :

TS-3

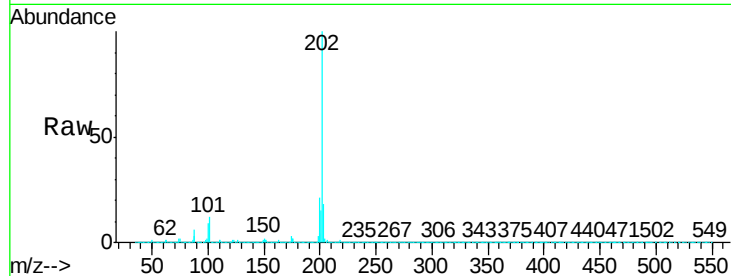
Tgt Ion:202 Resp: 1868801

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.9

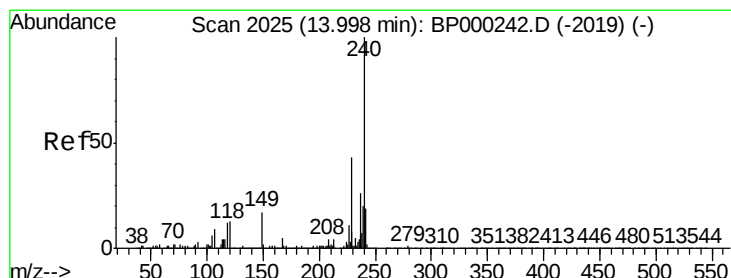
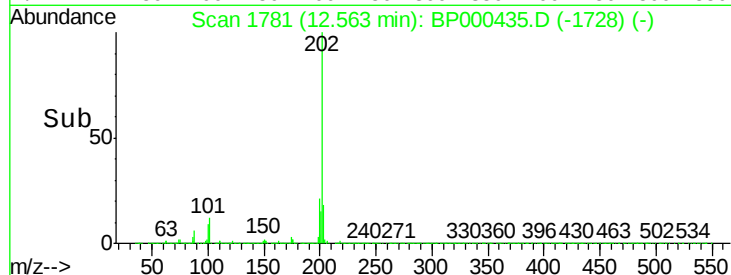
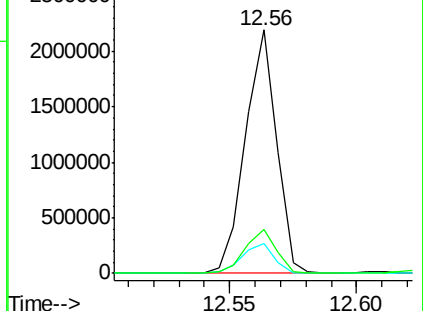
203 18.2 0.0 38.0



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

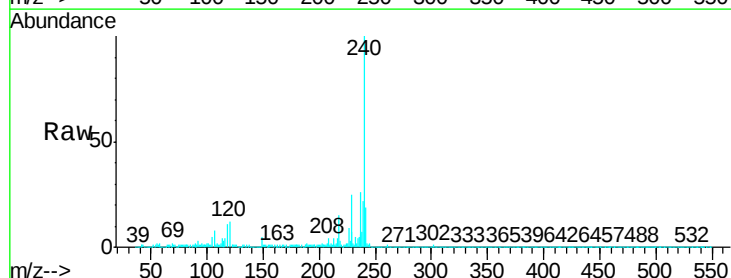
Tgt Ion:240 Resp: 720214

Ion Ratio Lower Upper

240 100

120 11.5 10.4 15.6

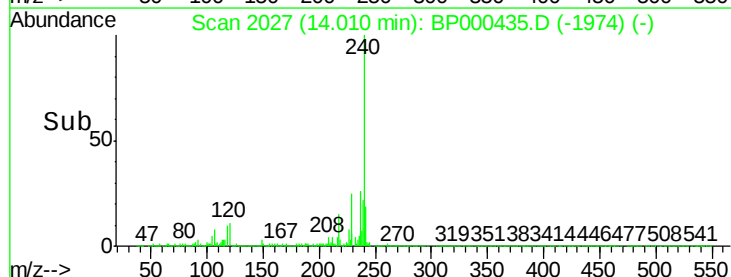
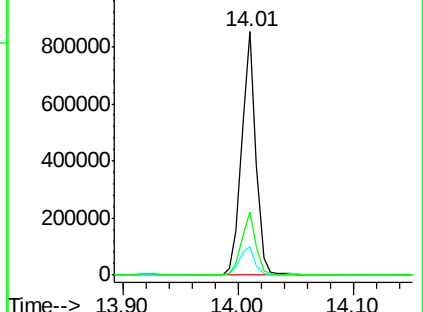
236 26.2 21.0 31.6

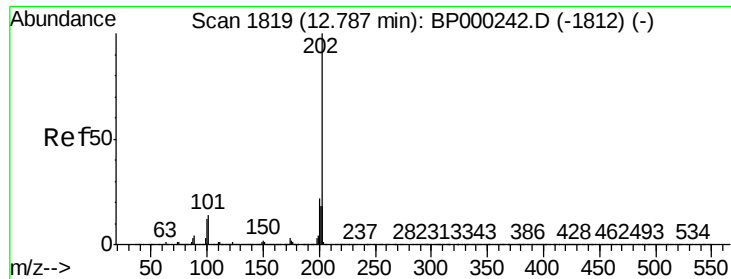


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

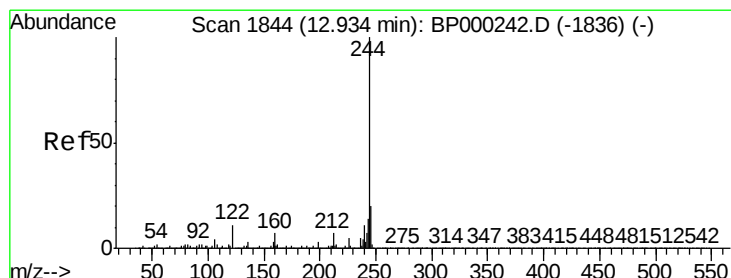
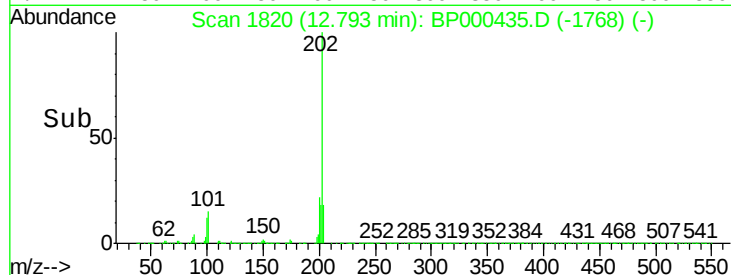
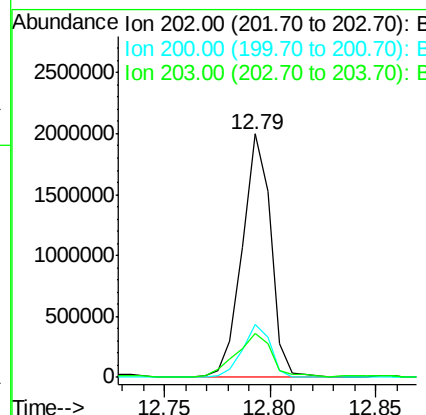
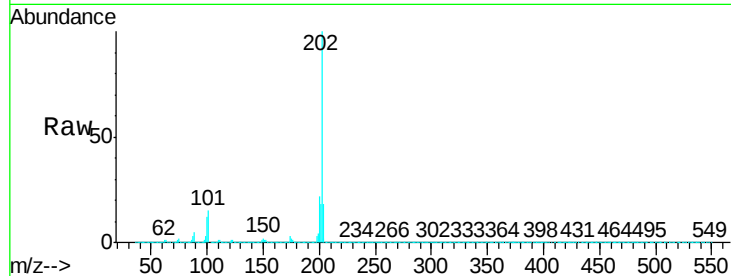




#78
 Pyrene
 Concen: 34.575 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BP000435.D
 Acq: 26 Sep 2019 20:24

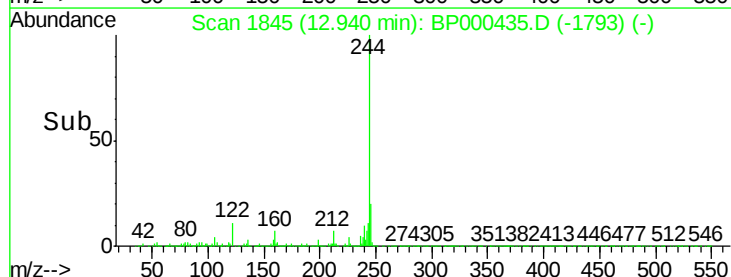
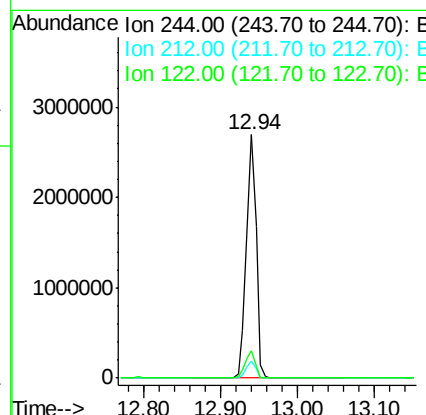
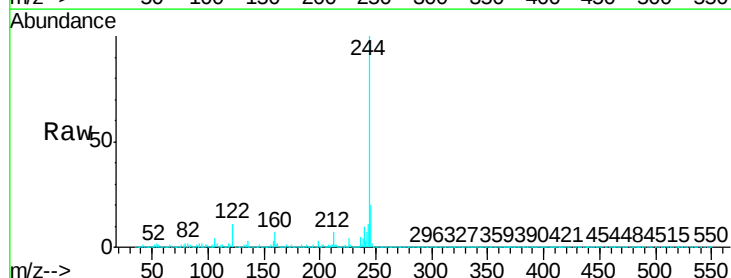
Instrument :
 BNA_P
 ClientSampleId :
 TS-3

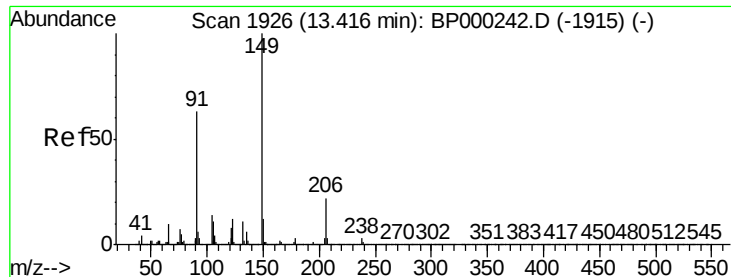
Tgt Ion:202 Resp: 1863063
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.5 26.3
 203 18.3 14.3 21.5



#79
 Terphenyl-d14
 Concen: 71.088 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BP000435.D
 Acq: 26 Sep 2019 20:24

Tgt Ion:244 Resp: 2440519
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 11.4 9.0 13.4

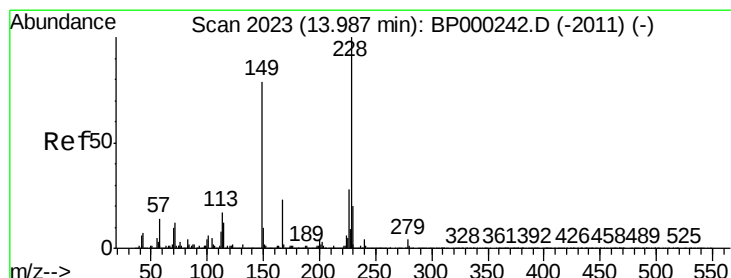
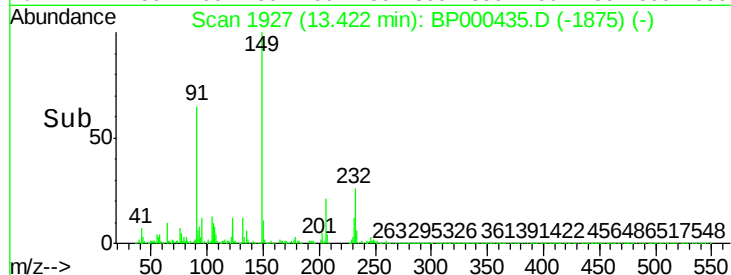
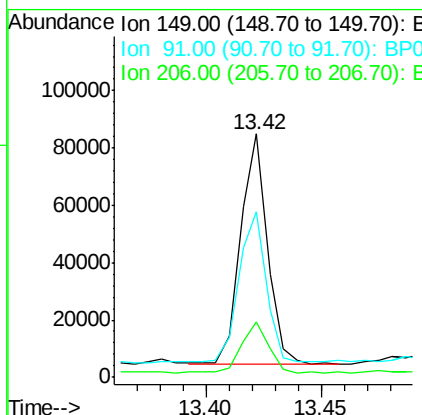
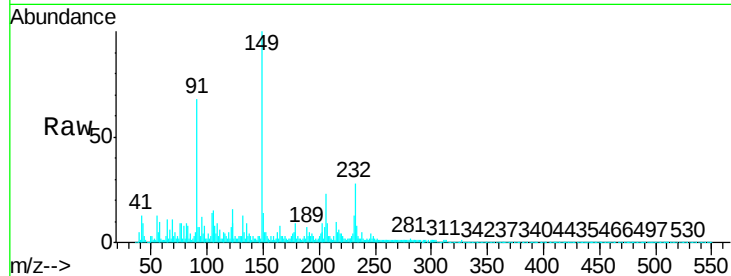




#80
Butylbenzylphthalate
Concen: 2.626 ng
RT: 13.42 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

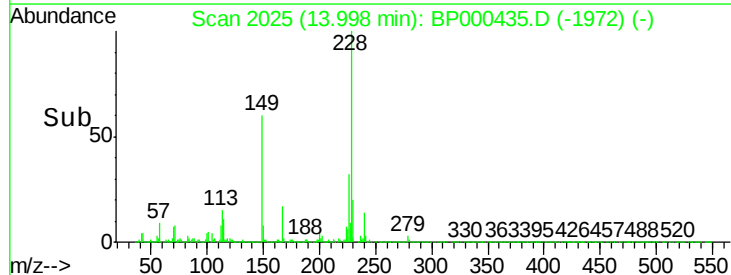
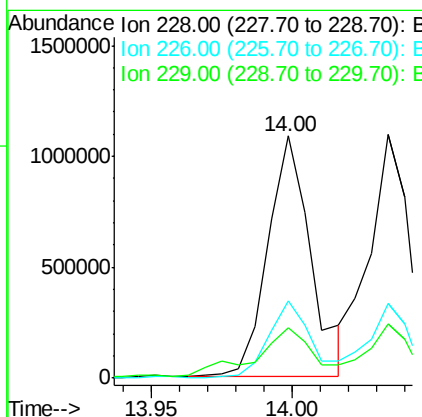
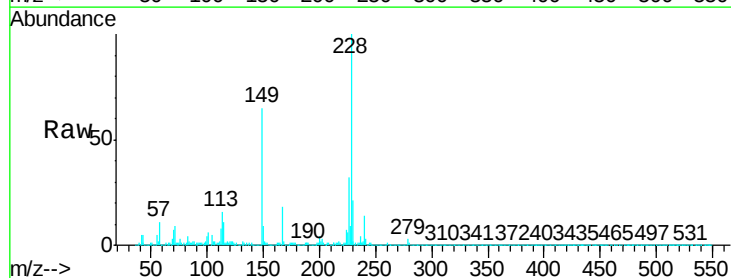
Instrument :
BNA_P
ClientSampleId :
TS-3

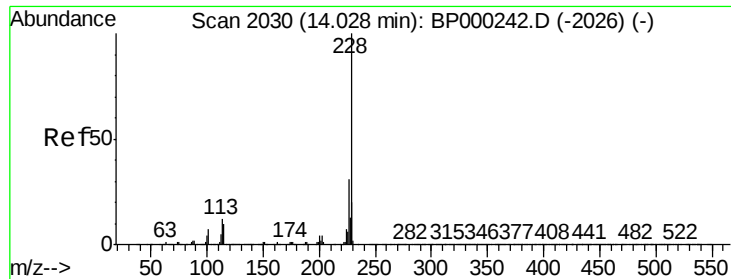
Tgt Ion:149 Resp: 65017
Ion Ratio Lower Upper
149 100
91 67.7 50.6 76.0
206 22.9 17.8 26.6



#81
Benzo(a)anthracene
Concen: 25.179 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BP000435.D
Acq: 26 Sep 2019 20:24

Tgt Ion:228 Resp: 1145486
Ion Ratio Lower Upper
228 100
226 32.0 22.2 33.4
229 20.8 16.0 24.0





#83

Chrysene

Concen: 23.598 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampled :

TS-3

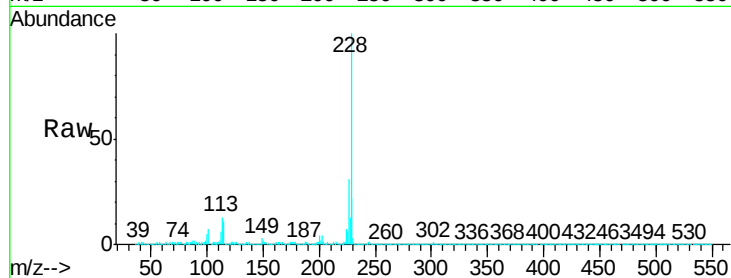
Tgt Ion:228 Resp: 1054070

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

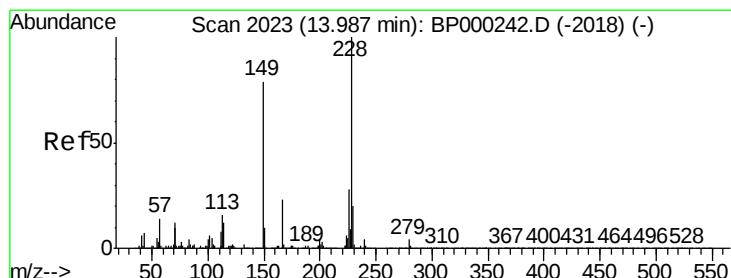
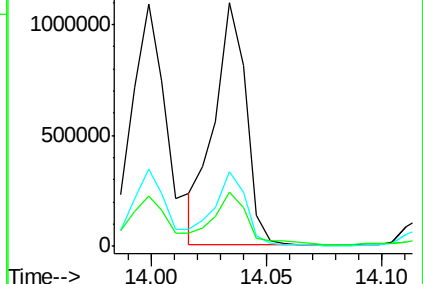
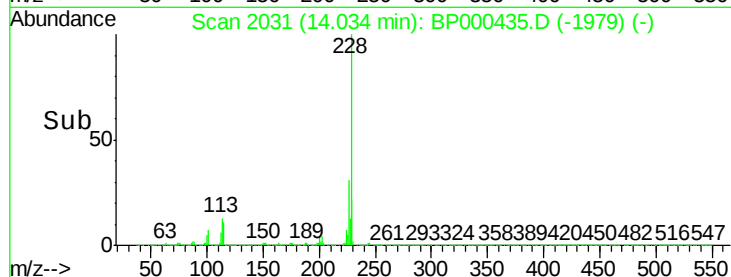
229 22.4 16.2 24.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 24.824 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

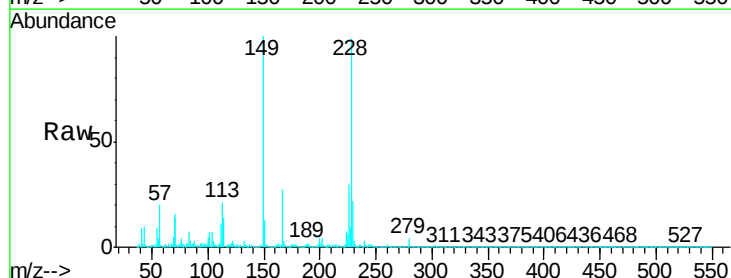
Tgt Ion:149 Resp: 737802

Ion Ratio Lower Upper

149 100

167 27.4 23.0 34.4

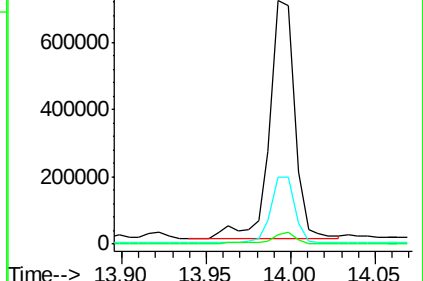
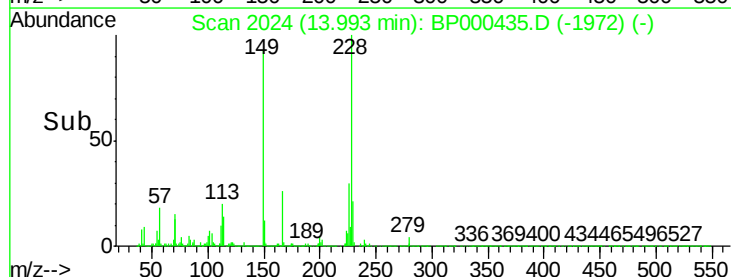
279 3.9 3.7 5.5

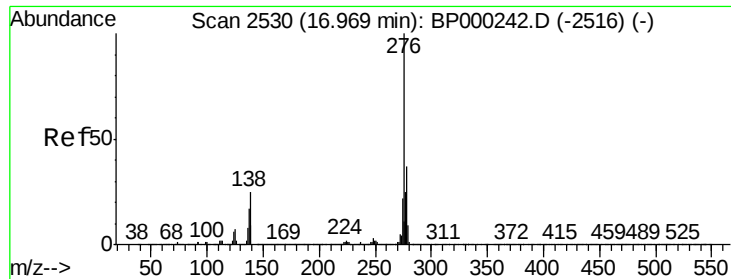


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 12.716 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.03 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampleId :

TS-3

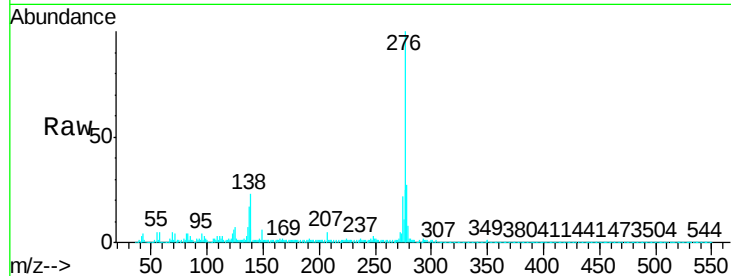
Tgt Ion:276 Resp: 692341

Ion Ratio Lower Upper

276 100

138 23.2 22.6 33.8

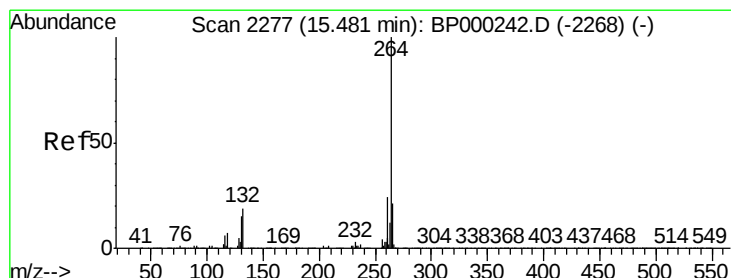
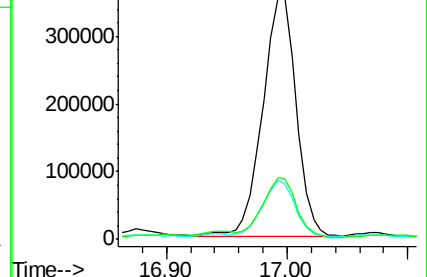
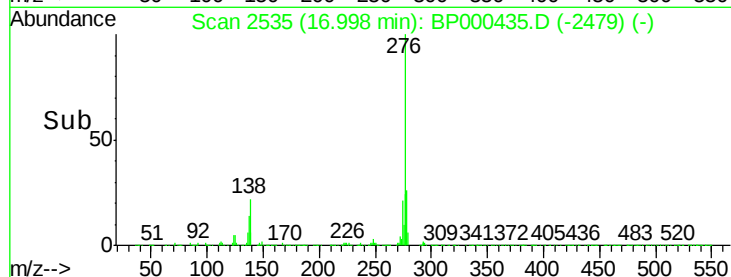
277 24.8 20.4 30.6



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: 15.50 min Scan# 2281

Delta R.T. 0.02 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

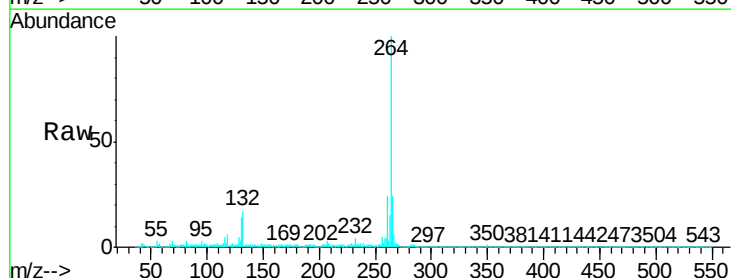
Tgt Ion:264 Resp: 802859

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

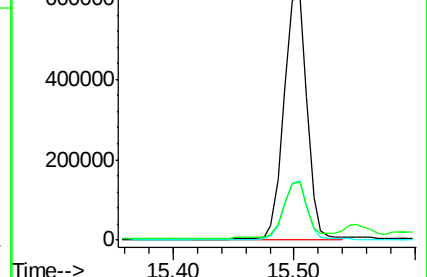
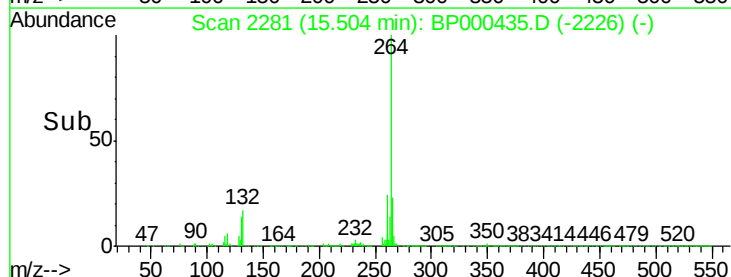
265 23.8 17.2 25.8

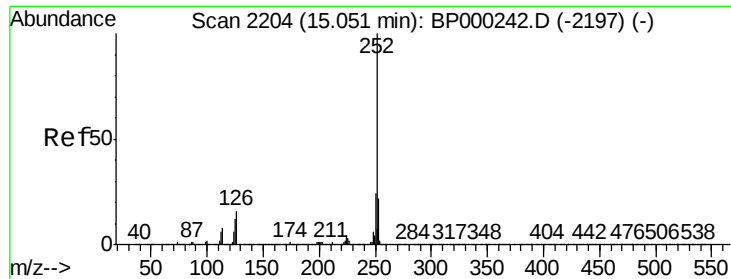


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 36.102 ng m

RT: 15.07 min Scan# 2207

Delta R.T. 0.02 min

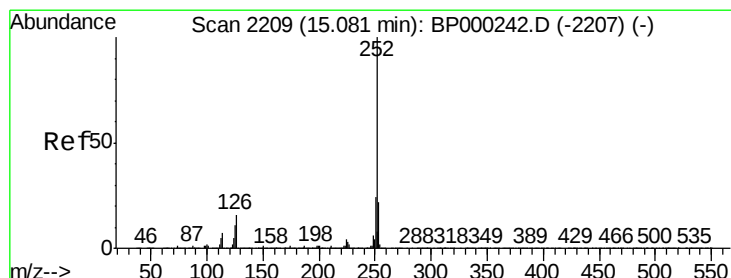
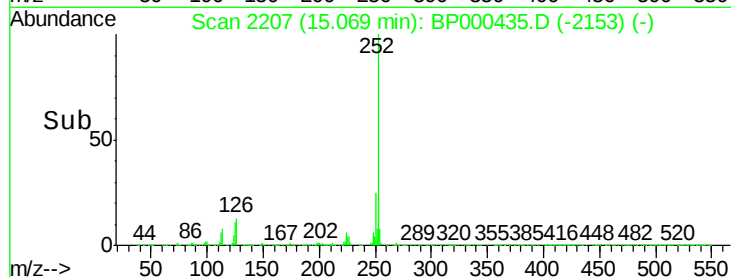
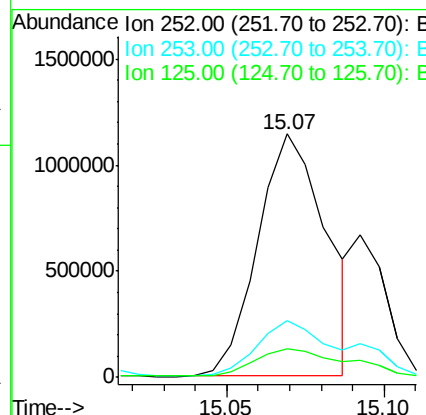
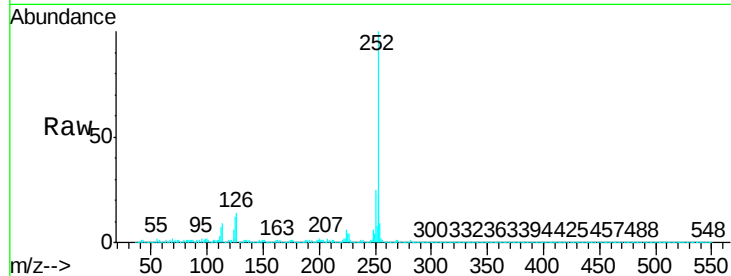
Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :
BNA_P
ClientSampleId :
TS-3

Tgt Ion:252 Resp: 1729110

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.8	9.5	14.3



#89

Benzo(k)fluoranthene

Concen: 11.633 ng m

RT: 15.09 min Scan# 2211

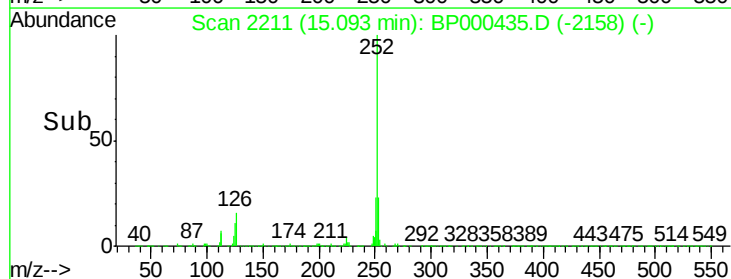
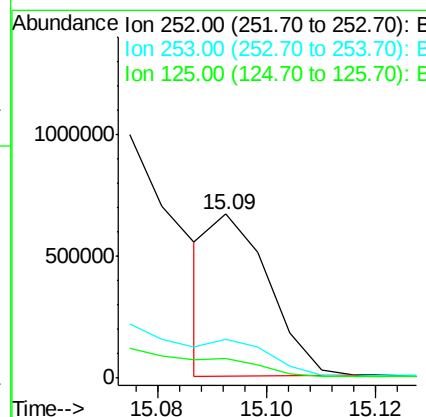
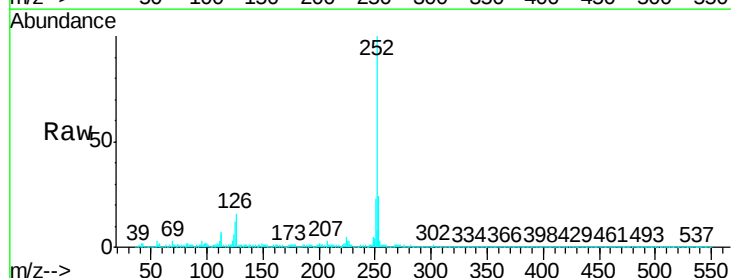
Delta R.T. 0.01 min

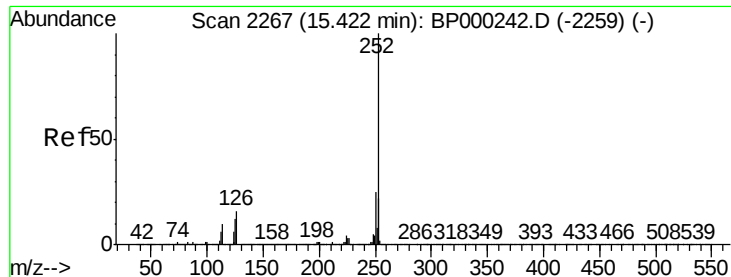
Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Tgt Ion:252 Resp: 486012

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	11.7	9.6	14.4





#90

Benzo(a)pyrene

Concen: 25.139 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.02 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

Instrument :

BNA_P

ClientSampled :

TS-3

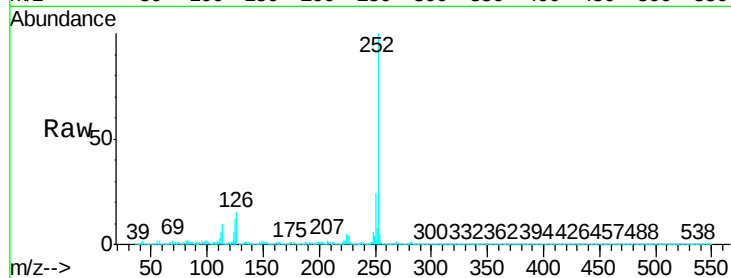
Tgt Ion:252 Resp: 1095564

Ion Ratio Lower Upper

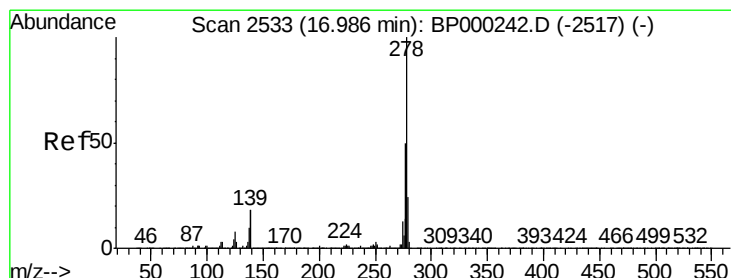
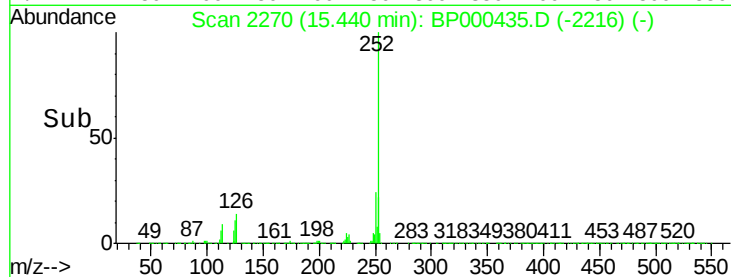
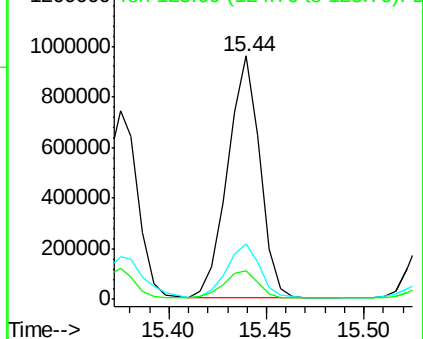
252 100

253 22.8 17.7 26.5

125 12.0 10.0 15.0



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



#91

Dibenzo(a,h)anthracene

Concen: 4.713 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.02 min

Lab File: BP000435.D

Acq: 26 Sep 2019 20:24

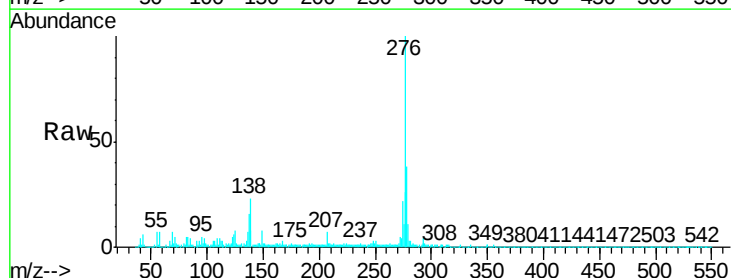
Tgt Ion:278 Resp: 191514

Ion Ratio Lower Upper

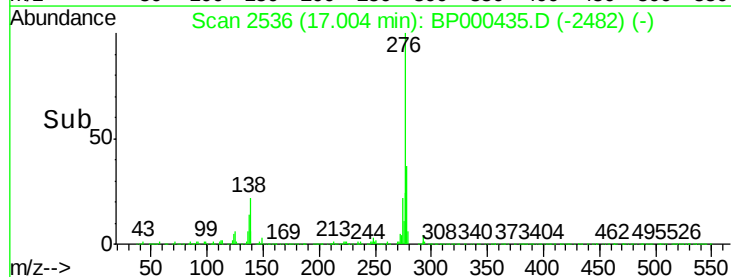
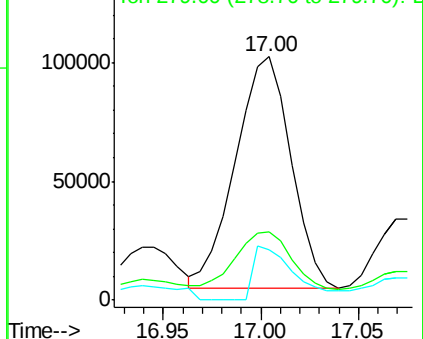
278 100

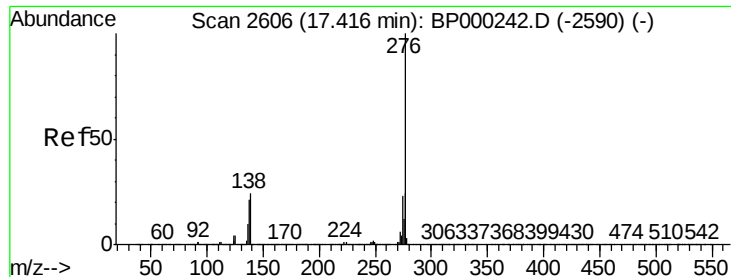
139 20.9 14.5 21.7

279 27.9 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 15.385 ng
 RT: 17.45 min Scan# 2611
 Delta R.T. 0.03 min
 Lab File: BP000435.D
 Acq: 26 Sep 2019 20:24

Instrument :
 BNA_P
 ClientSampleId :
 TS-3

Tgt Ion:	276	Resp:	642544
Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	23.3	19.5	29.3

