

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000258.D
 Acq On : 17 Sep 2019 00:02
 Operator : HP/JU
 Sample : K4873-06 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 17 06:13:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	307801	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1117446	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	600299	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1031768	20.00	ng	0.00
76) Chrysene-d12	13.99	240	887144	20.00	ng	0.00
87) Perylene-d12	15.48	264	772688	20.00	ng	0.00

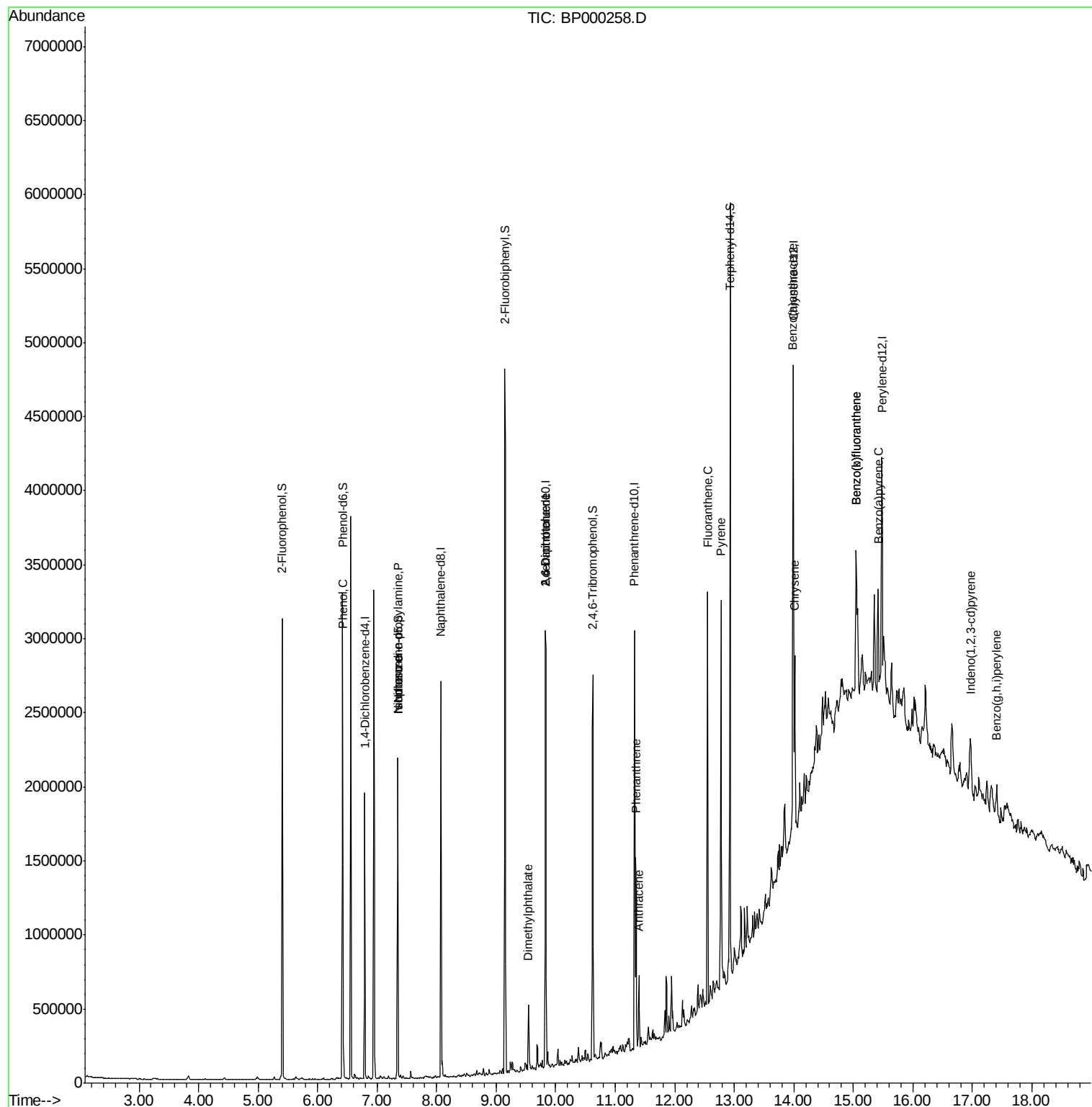
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	940528	52.75	ng	0.00
7) Phenol-d6	6.42	99	1209201	55.33	ng	0.00
23) Nitrobenzene-d5	7.35	82	606474	35.02	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	311117	52.25	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1445945	43.35	ng	0.00
79) Terphenyl-d14	12.93	244	1641721	38.82	ng	0.00

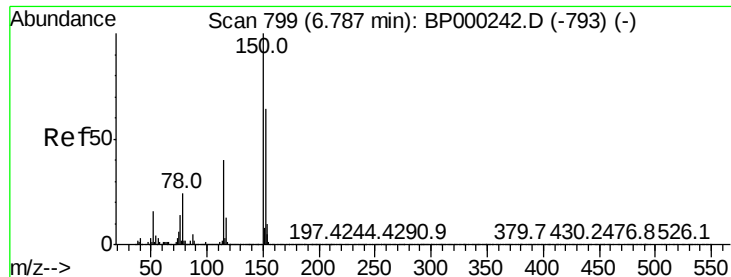
Target Compounds				Qvalue		
9) Benzaldehyde	6.33	77	1715	Below Cal	#	85
10) Phenol	6.43	94	57127	2.301 ng		91
19) n-Nitroso-di-n-propylamine	7.35	70	75558	6.539 ng	#	75
25) Isophorone	7.35	82	605701	17.661 ng	#	63
50) Dimethylphthalate	9.55	163	171536	4.194 ng		99
51) 2,6-Dinitrotoluene	9.83	165	79104	8.796 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	79104	6.729 ng	#	35
69) Atrazine	11.02	200	226	Below Cal	#	1
71) Phenanthrene	11.35	178	456968	8.838 ng		99
72) Anthracene	11.40	178	157866	2.966 ng		100
75) Fluoranthene	12.55	202	1083445	19.515 ng		97
78) Pyrene	12.78	202	1013189	15.265 ng		99
81) Benzo(a)anthracene	13.98	228	545598	9.736 ng		94
83) Chrysene	14.02	228	451282	8.202 ng		97
86) Indeno(1,2,3-cd)pyrene	16.96	276	205717	3.067 ng		95
88) Benzo(b)fluoranthene	15.05	252	709909	15.401 ng	#	91
89) Benzo(k)fluoranthene	15.05	252	709909	17.655 ng	#	91
90) Benzo(a)pyrene	15.42	252	369616	8.812 ng	#	93
92) Benzo(a,h,i)perylene	17.41	276	184618	4.593 ng		97

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

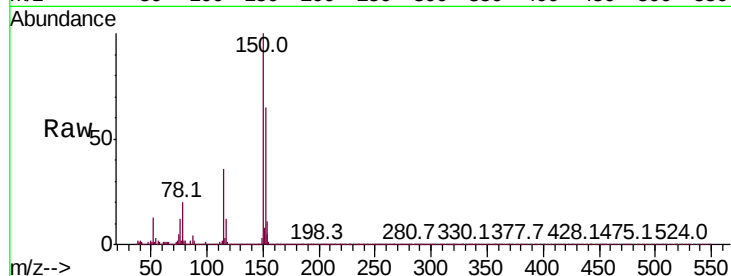
Tot Ion:152 Resp: 307801

Ion Ratio Lower Upper

152 100

150 154.6 125.2 187.8

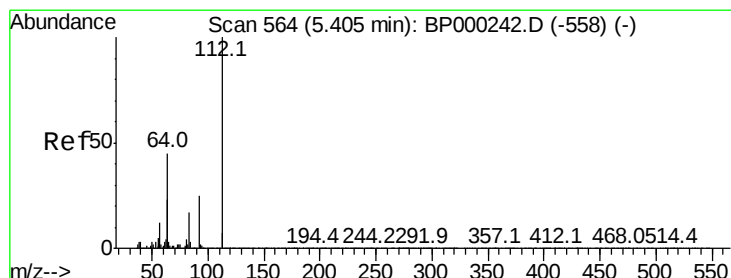
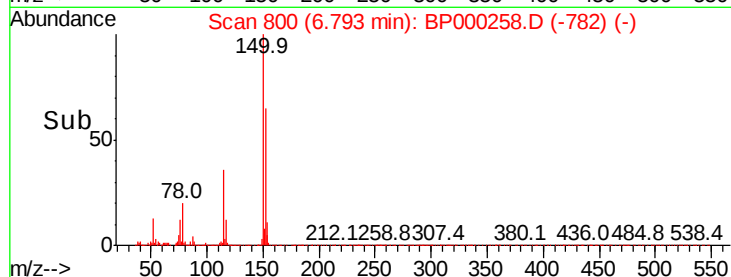
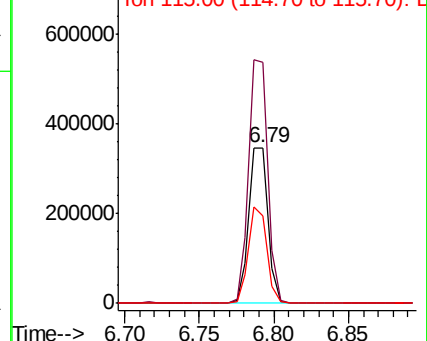
115 55.8 49.7 74.5



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: 52.751 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.00 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

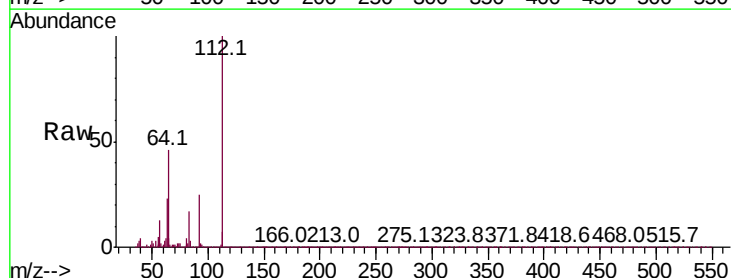
Tgt Ion:112 Resp: 940528

Ion Ratio Lower Upper

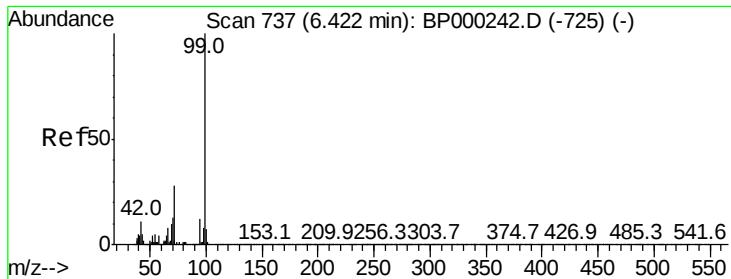
112 100

64 45.7 36.2 54.4

63 23.2 18.3 27.5



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 55.328 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

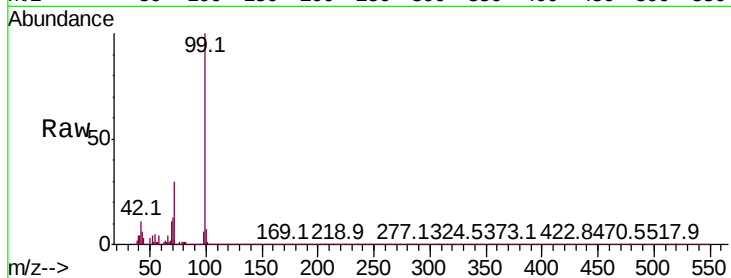
Tot Ion: 99 Resp: 1209201

Ion Ratio Lower Upper

99 100

42 11.3 8.5 12.7

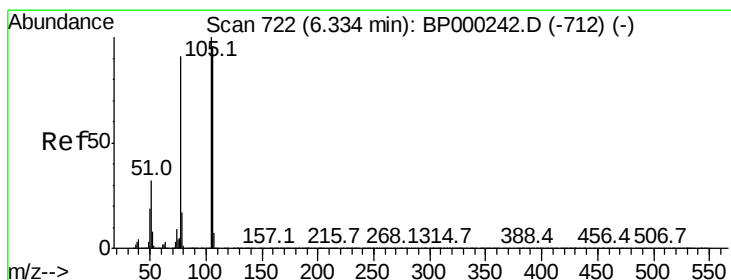
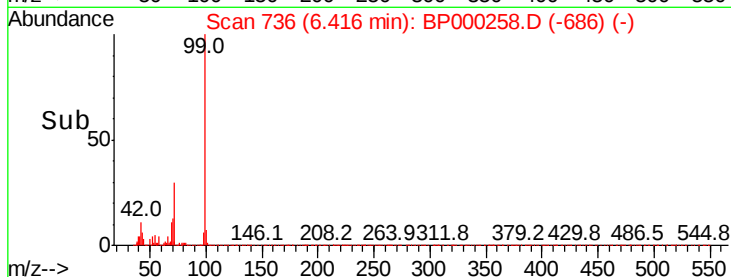
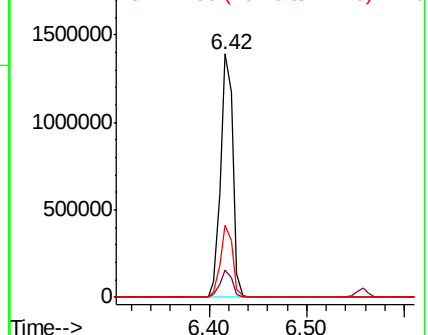
71 29.6 22.6 34.0



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

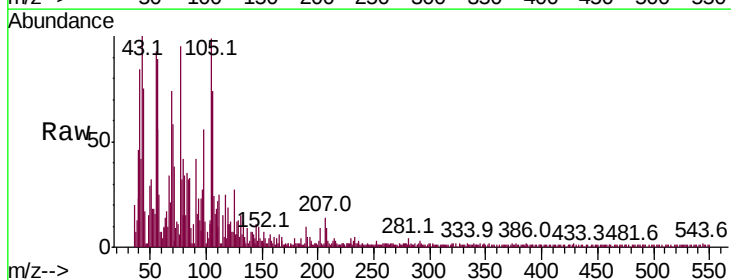
Tgt Ion: 77 Resp: 1715

Ion Ratio Lower Upper

77 100

105 104.5 89.6 129.6

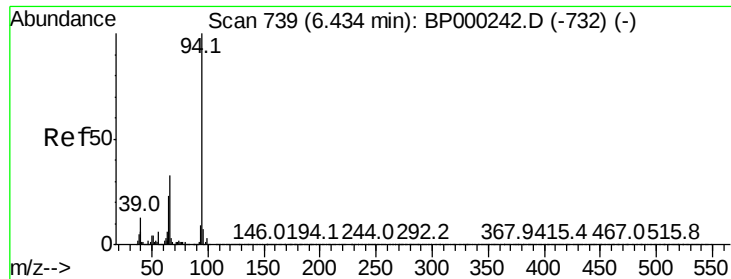
106 78.2 84.6 124.6#



Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 2.301 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

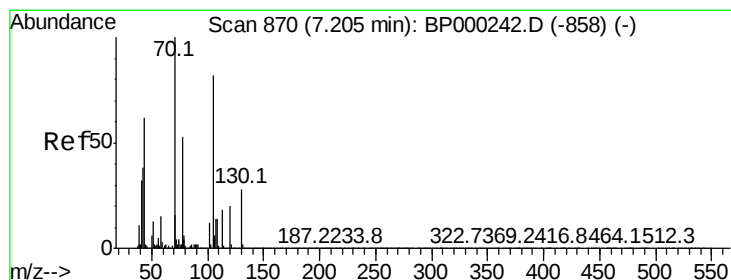
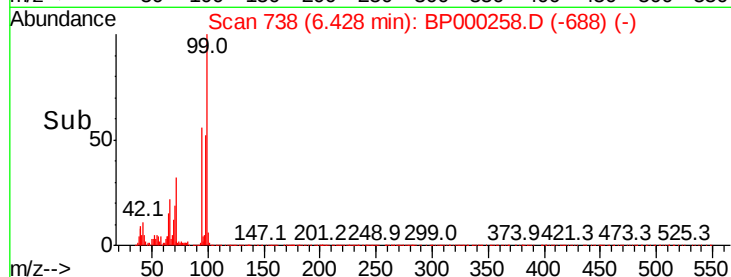
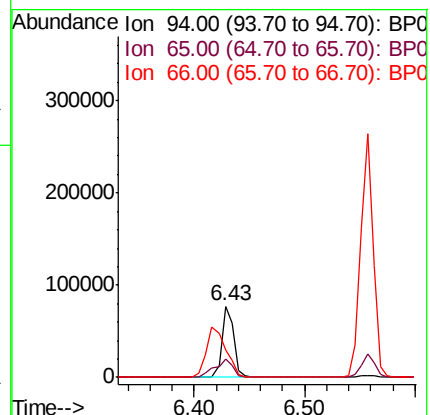
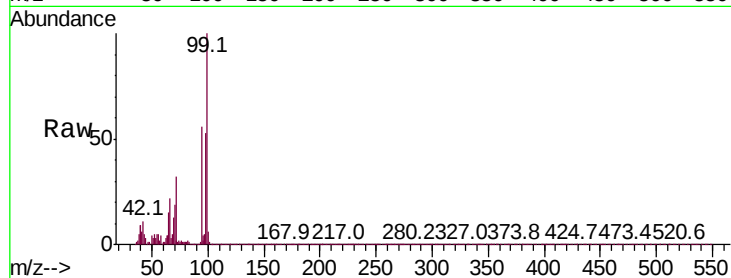
Tot Ion: 94 Resp: 57127

Ion Ratio Lower Upper

94 100

65 26.1 3.3 43.3

66 38.8 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.539 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Tgt Ion: 70 Resp: 75558

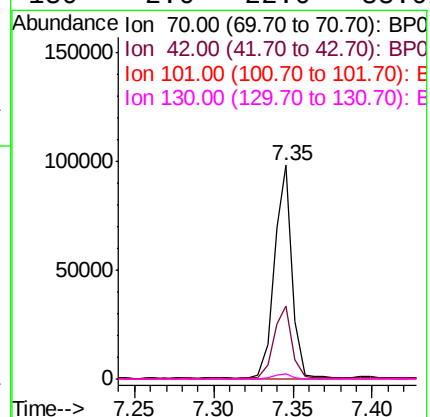
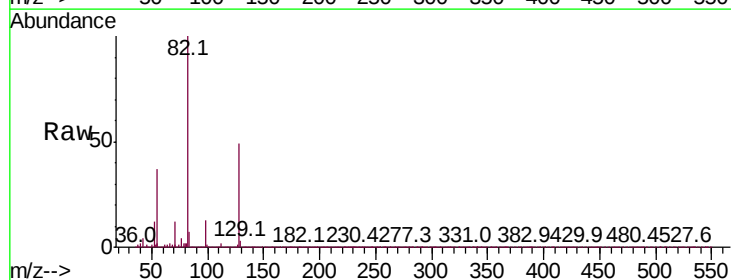
Ion Ratio Lower Upper

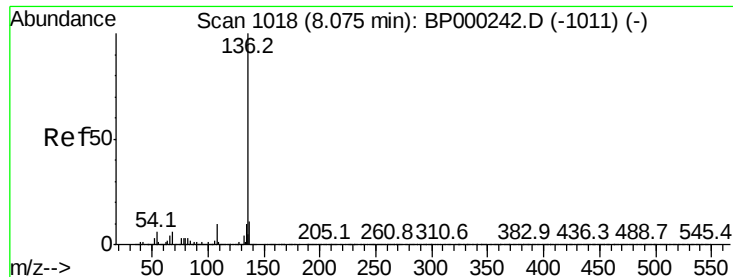
70 100

42 34.4 30.7 46.1

101 0.0 9.6 14.4#

130 2.6 22.0 33.0#

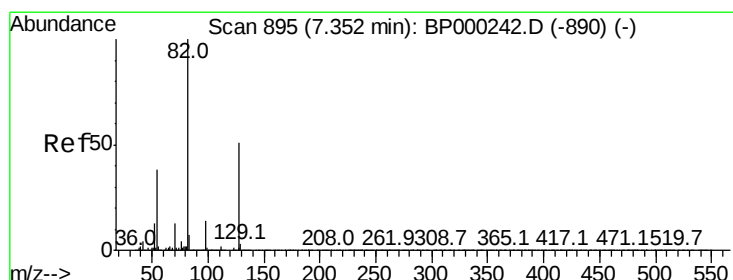
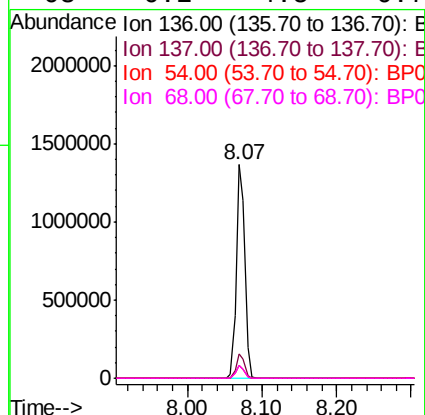
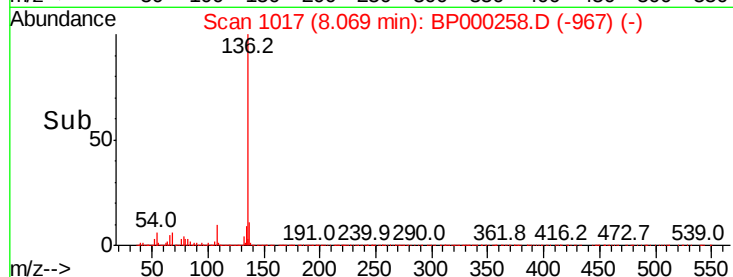
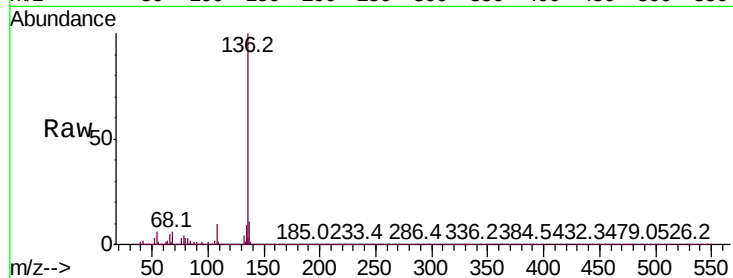




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

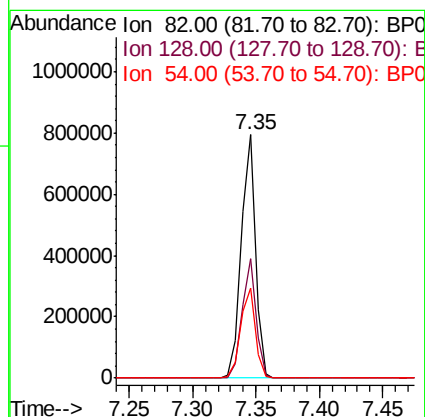
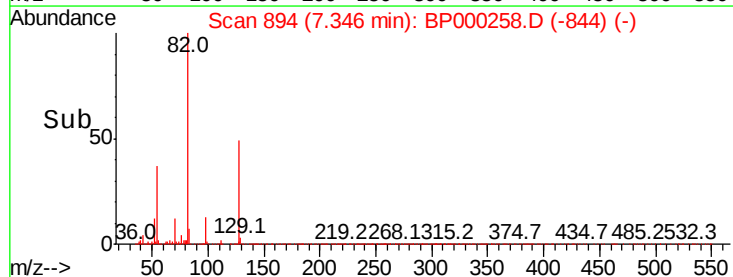
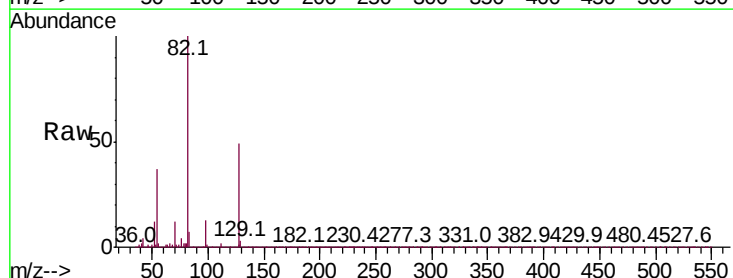
Instrument :
BNA_P
ClientSampleId :

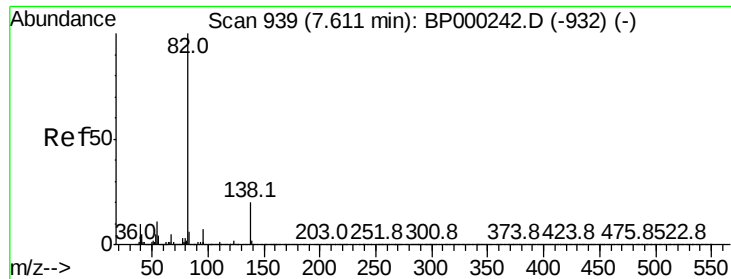
Tot Ion:136	Resp: 1117446		
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	6.1	4.5	6.7
68	6.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 35.017 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion: 82	Resp: 606474		
Ion	Ratio	Lower	Upper
82	100		
128	49.1	40.7	61.1
54	37.2	30.1	45.1





#25

Isophorone

Concen: 17.661 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampled :

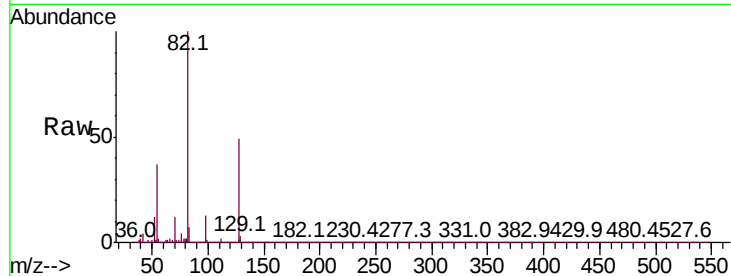
Tot Ion: 82 Resp: 605701

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

138 0.0 15.9 23.9#

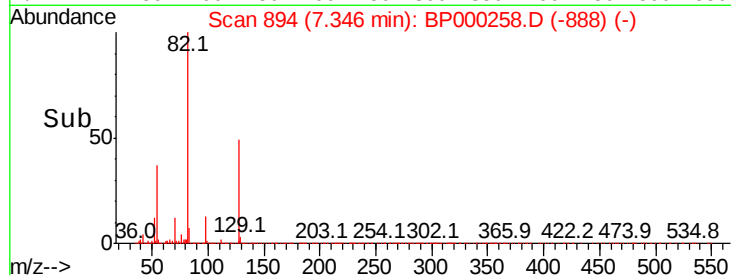


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): BP0

Time-->

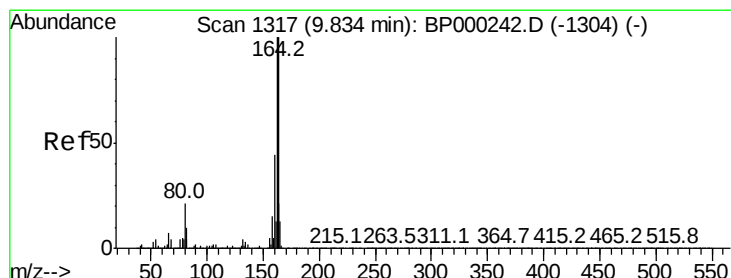


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): BP0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

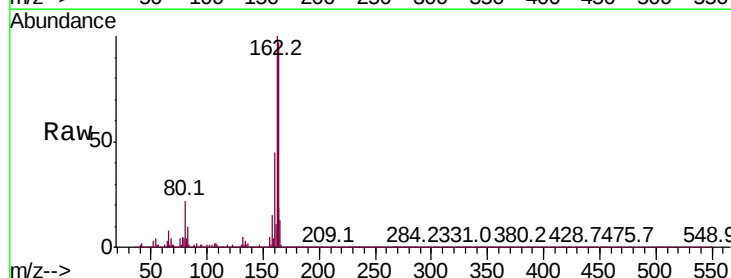
Tgt Ion: 164 Resp: 600299

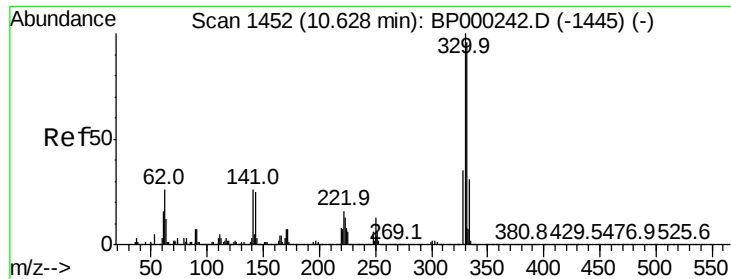
Ion Ratio Lower Upper

164 100

162 102.7 79.9 119.9

160 45.9 35.6 53.4

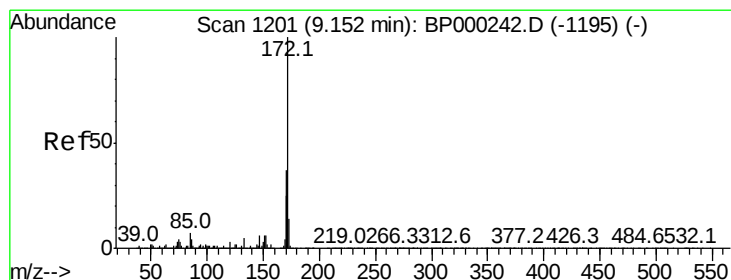
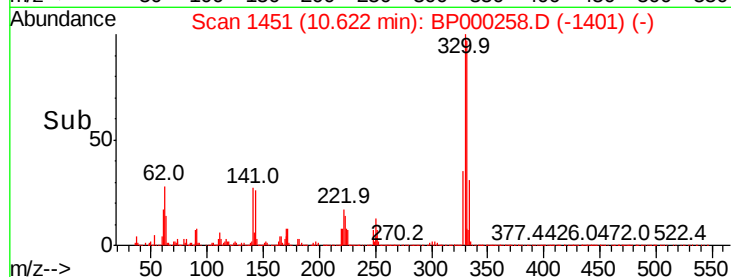
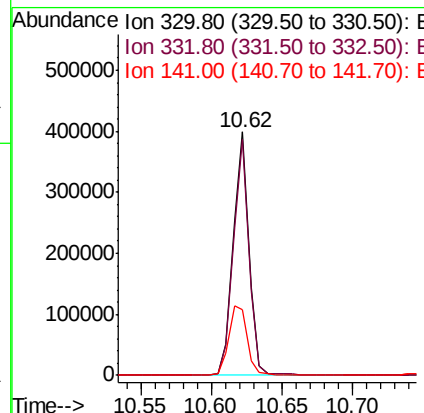
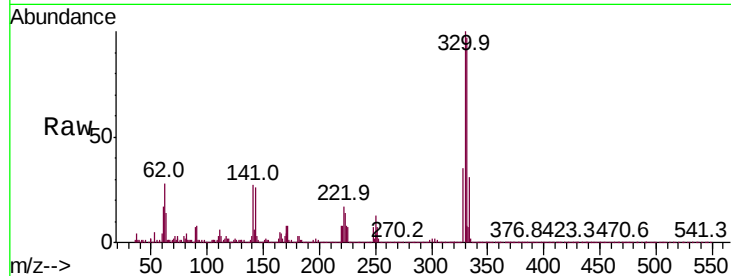




#42
 2,4,6-Tribromophenol
 Concen: 52.252 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

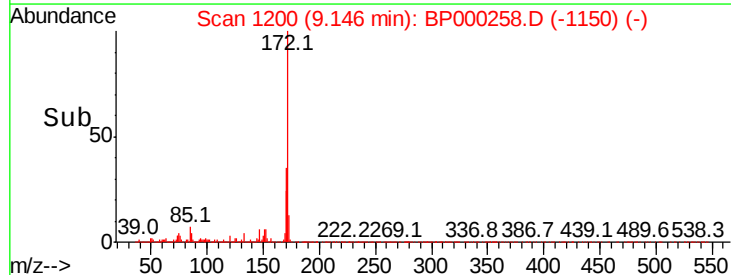
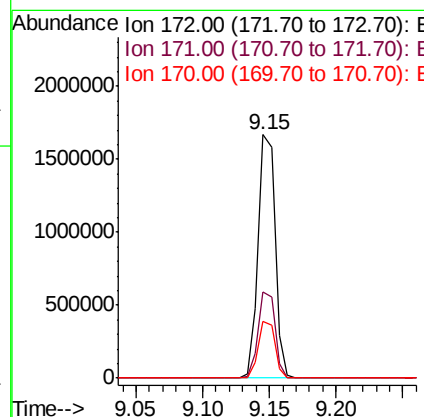
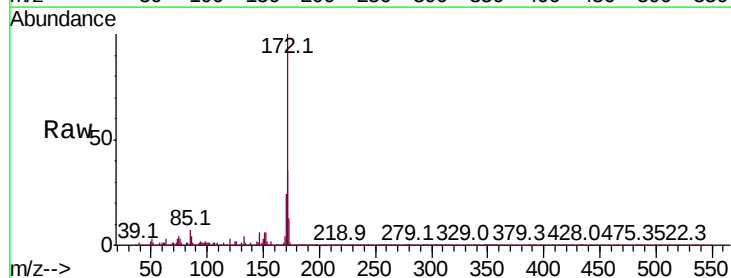
Instrument :
 BNA_P
 ClientSampleId :

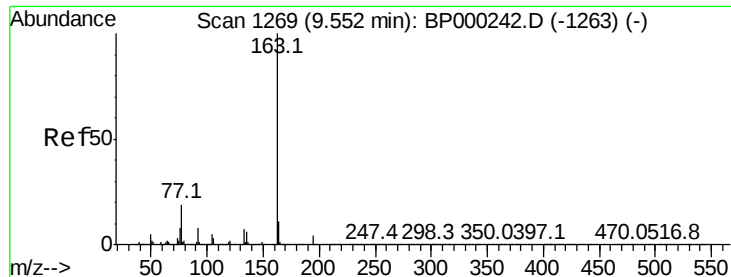
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	32.9	26.5	39.7



#45
 2-Fluorobiphenyl
 Concen: 43.352 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.8	44.6
170	23.6	19.8	29.6





#50

Dimethylphthalate

Concen: 4.194 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

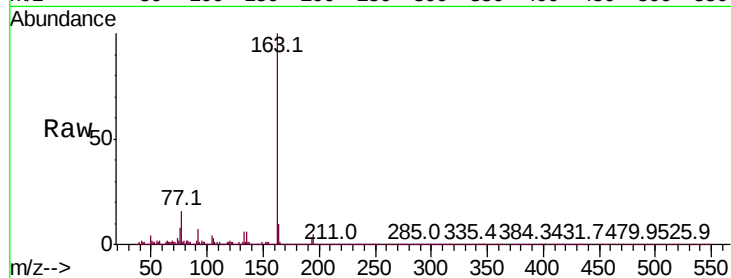
Tot Ion:163 Resp: 171536

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

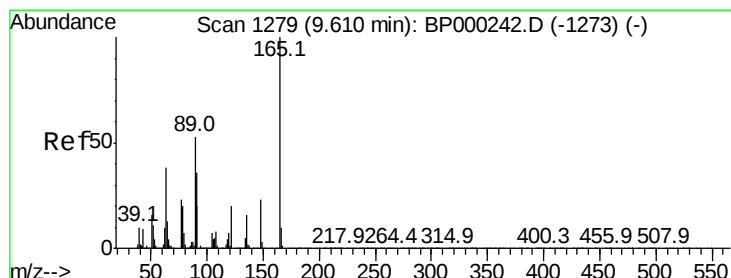
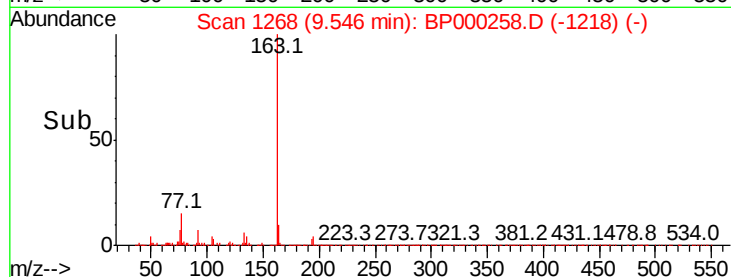
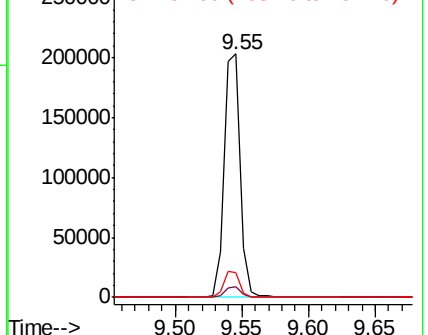
164 10.0 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 8.796 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.22 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

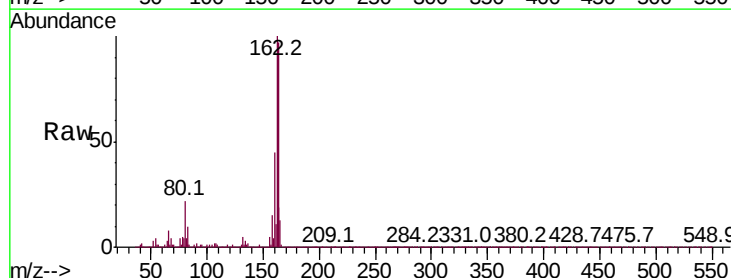
Tgt Ion:165 Resp: 79104

Ion Ratio Lower Upper

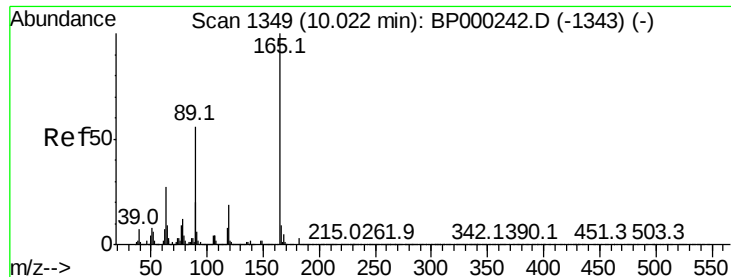
165 100

63 1.1 35.8 53.8#

89 1.3 42.6 63.8#



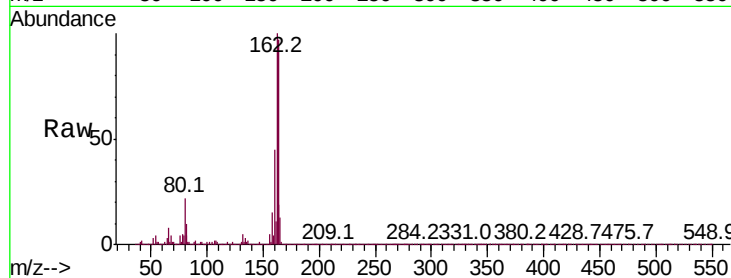
Abundance Ion 165.00 (164.70 to 16



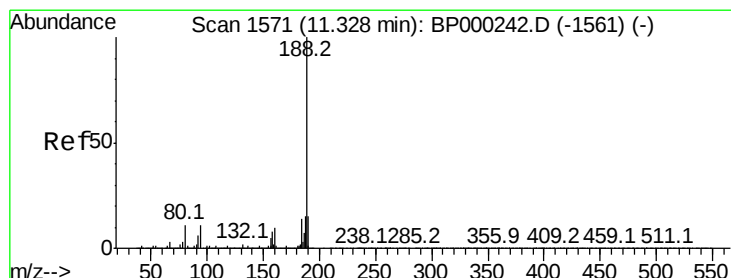
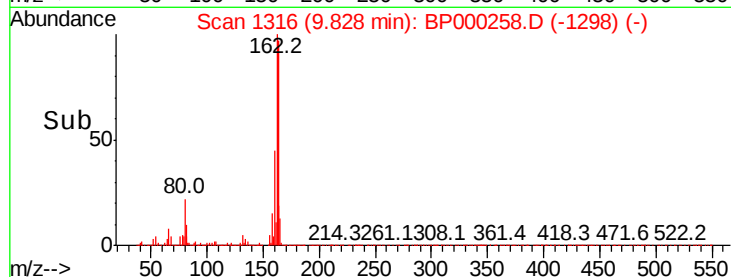
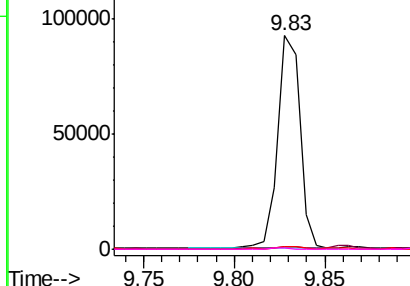
#57
2,4-Dinitrotoluene
Concen: 6.729 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :

Tot Ion:165 Resp: 79104
Ion Ratio Lower Upper
165 100
63 1.1 21.7 32.5#
89 1.3 45.0 67.6#
182 0.5 2.4 3.6#

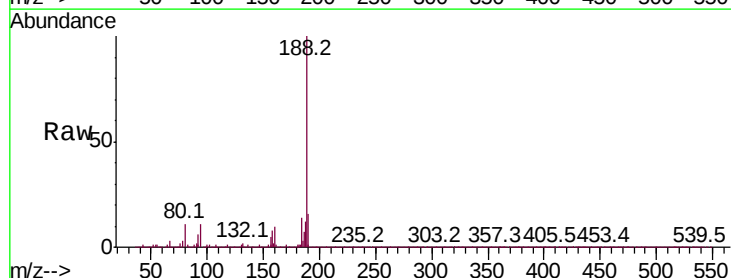


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 89.00 (88.70 to 89.70): BP0
Ion 182.00 (181.70 to 182.70): E

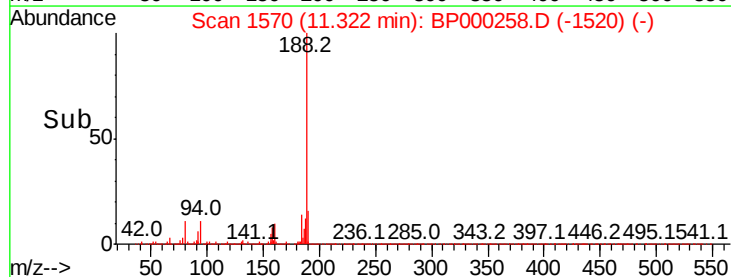
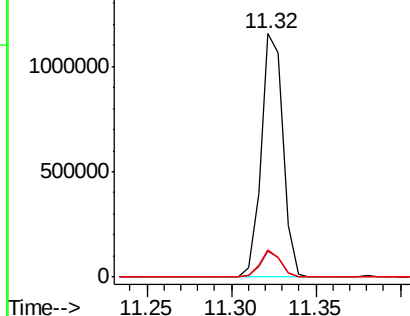


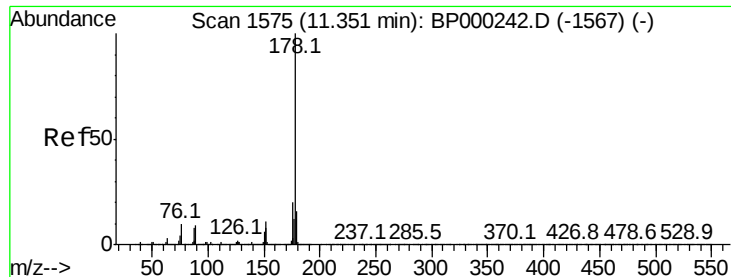
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion:188 Resp: 1031768
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.1 8.6 13.0



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





#71

Phenanthrene

Concen: 8.838 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

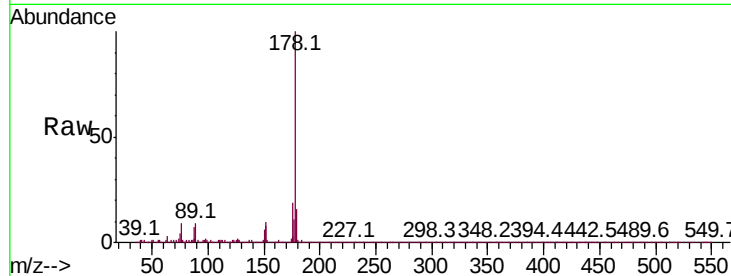
Tot Ion:178 Resp: 456968

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

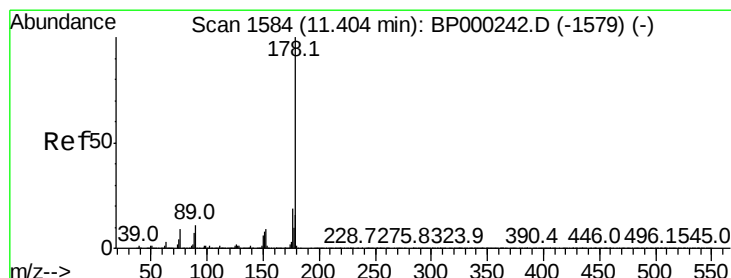
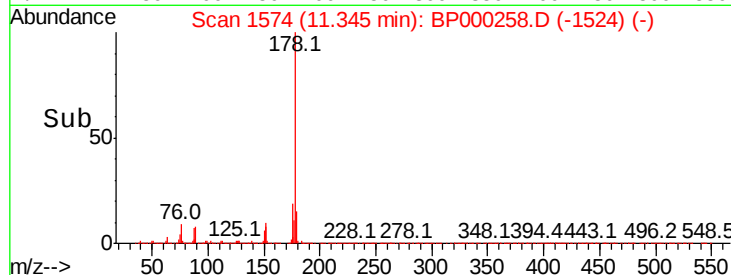
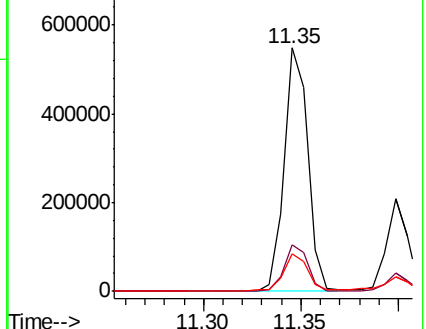
179 15.6 12.7 19.1



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



#72

Anthracene

Concen: 2.966 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

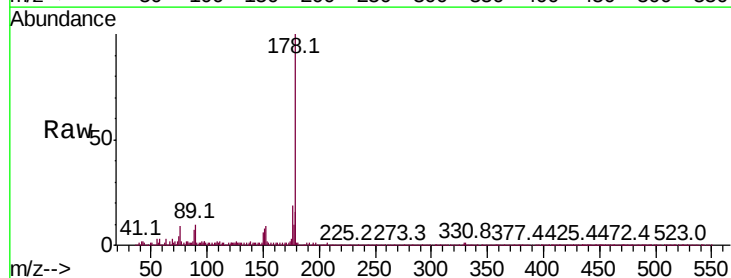
Tgt Ion:178 Resp: 157866

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

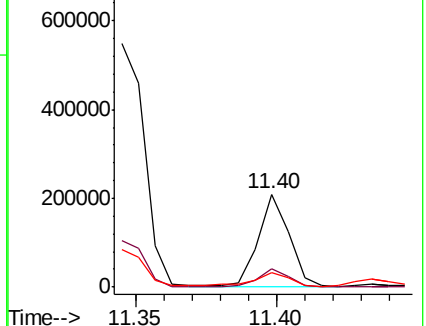
179 15.7 12.7 19.1

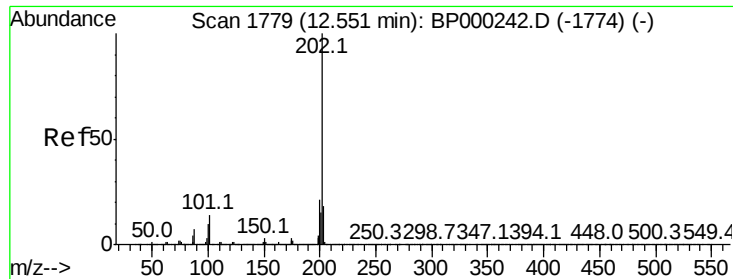


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 19.515 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

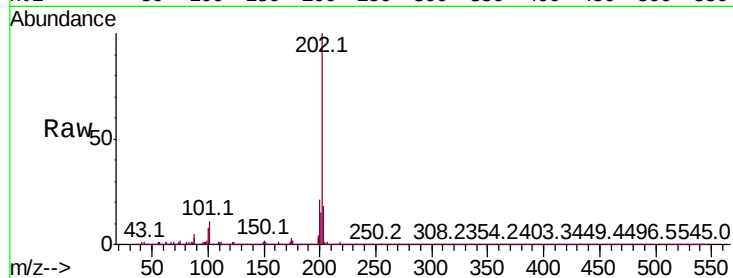
Tot Ion:202 Resp: 1083445

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.9

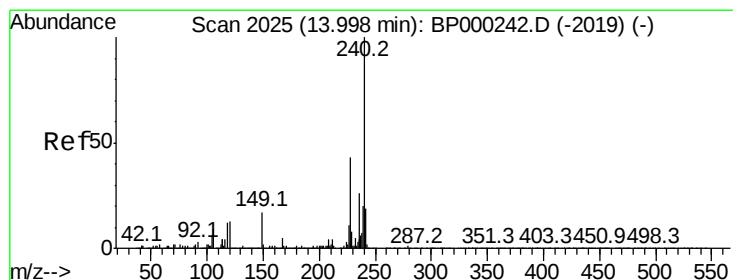
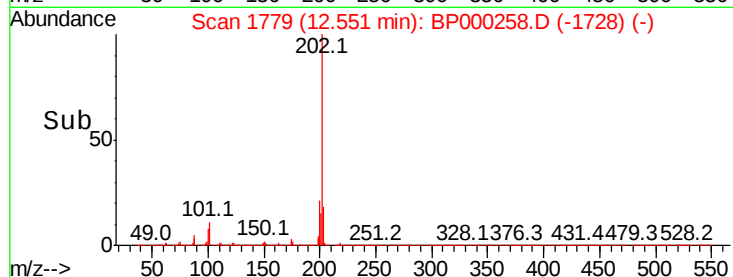
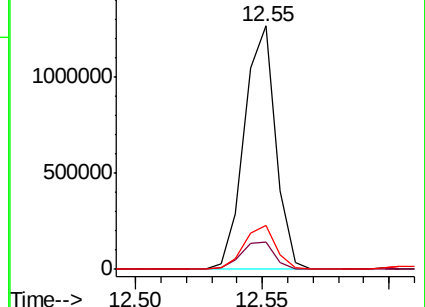
203 18.1 0.0 38.0



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

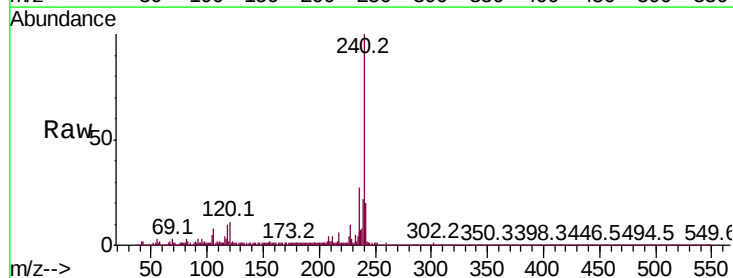
Tgt Ion:240 Resp: 887144

Ion Ratio Lower Upper

240 100

120 11.4 10.4 15.6

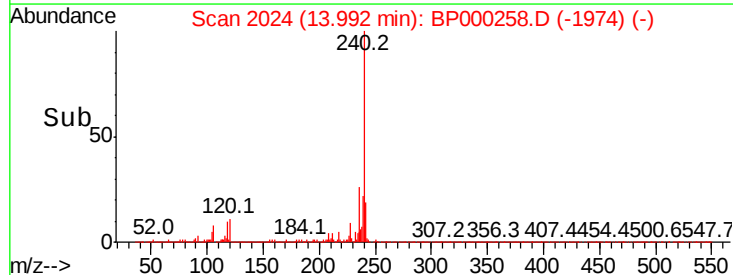
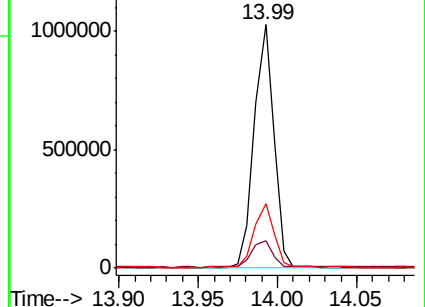
236 26.6 21.0 31.6

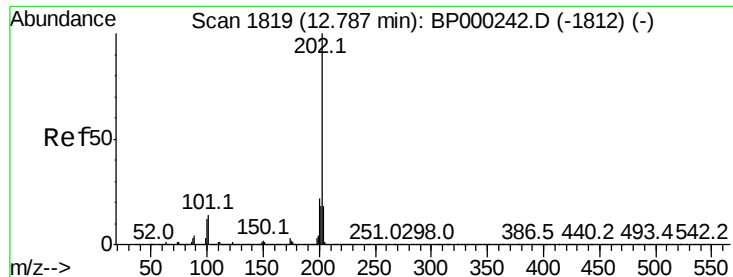


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 15.265 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

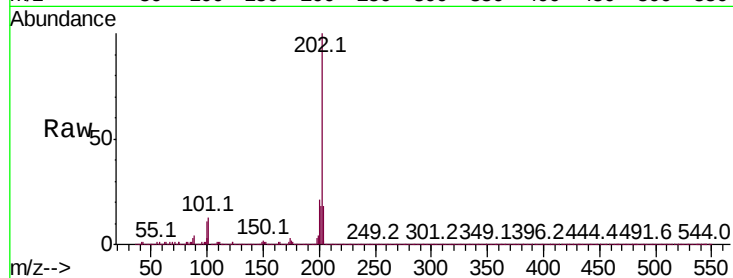
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 1013189

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.7	14.3	21.5

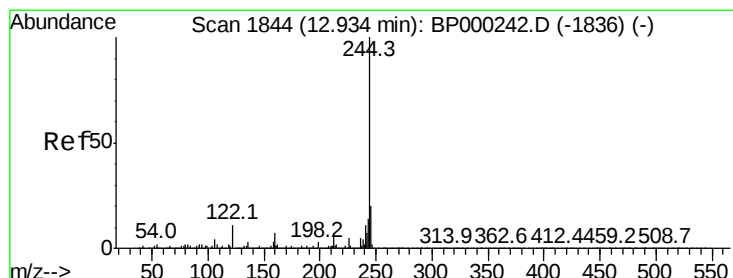
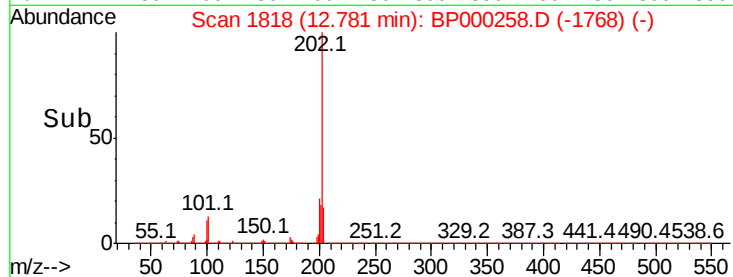
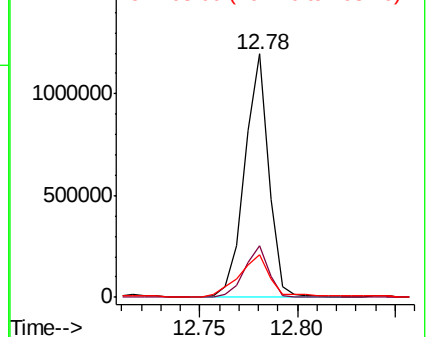


Abundance

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: 38.822 ng

RT: 12.93 min Scan# 1843

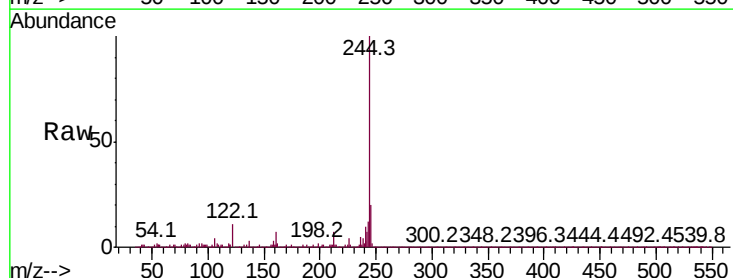
Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Tgt Ion:244 Resp: 1641721

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.0	13.4

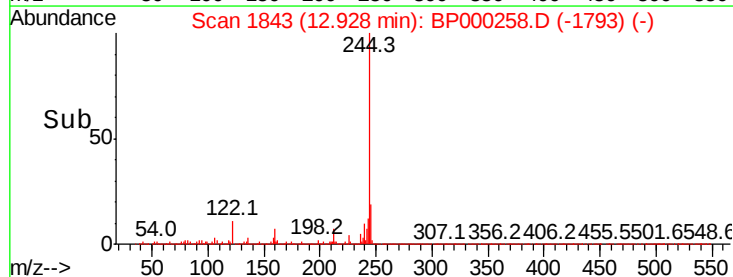
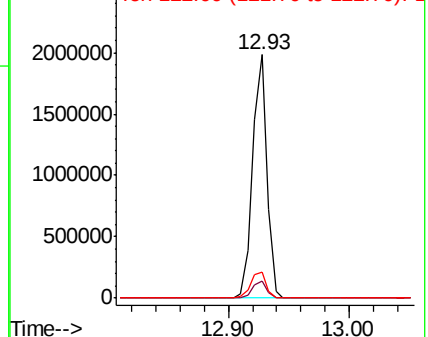


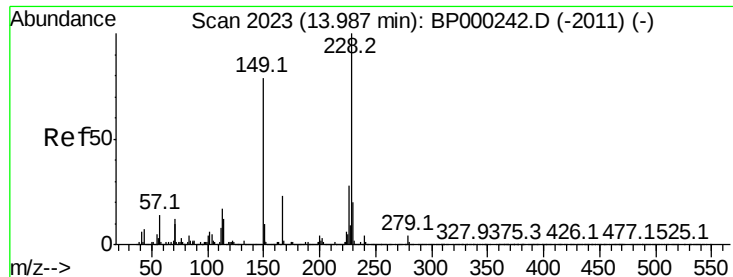
Abundance

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

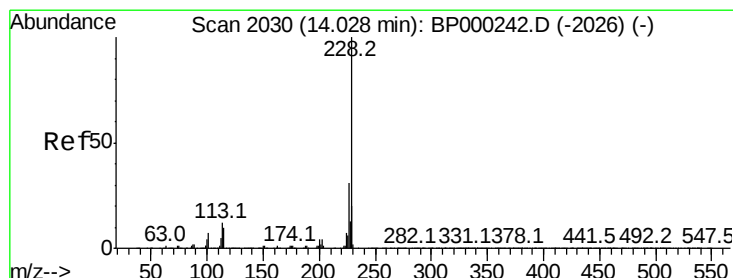
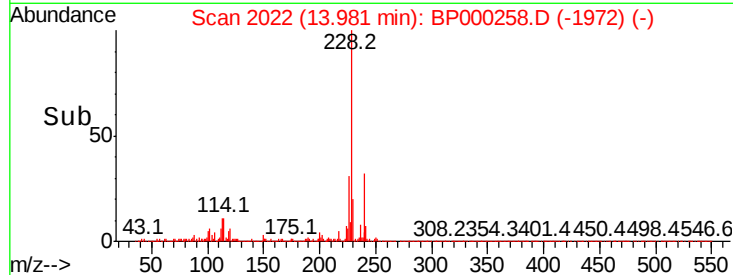
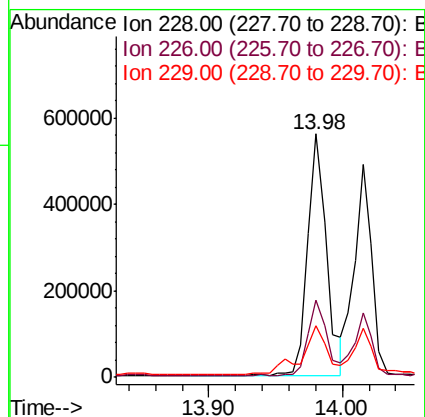
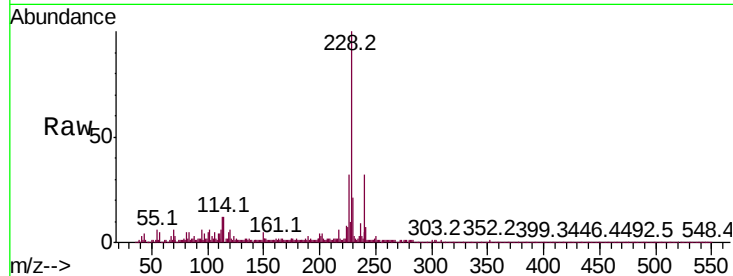




#81
Benzo(a)anthracene
Concen: 9.736 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

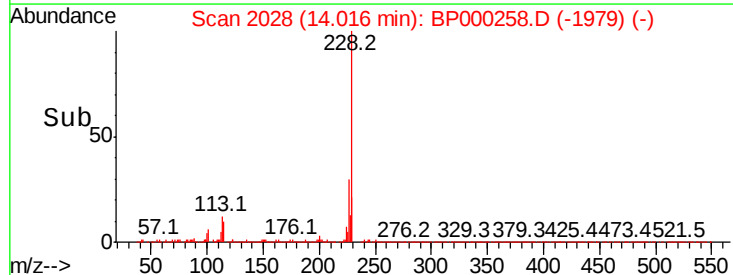
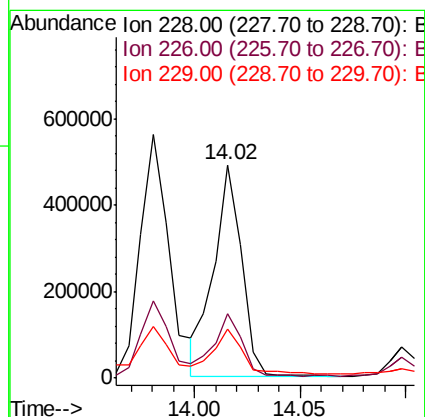
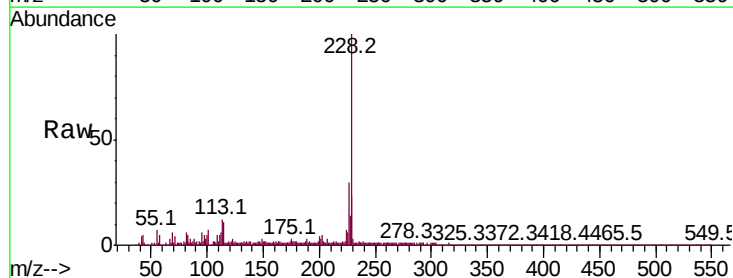
Instrument :
BNA_P
ClientSampleId :

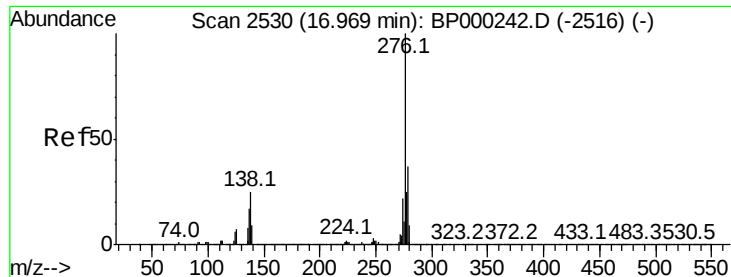
Tot Ion:228 Resp: 545598
Ion Ratio Lower Upper
228 100
226 31.8 22.2 33.4
229 21.4 16.0 24.0



#83
Chrysene
Concen: 8.202 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion:228 Resp: 451282
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 23.0 16.2 24.2

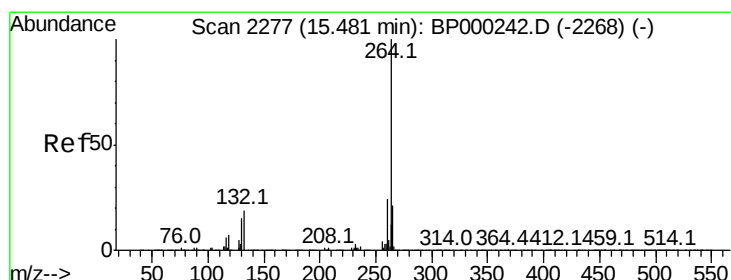
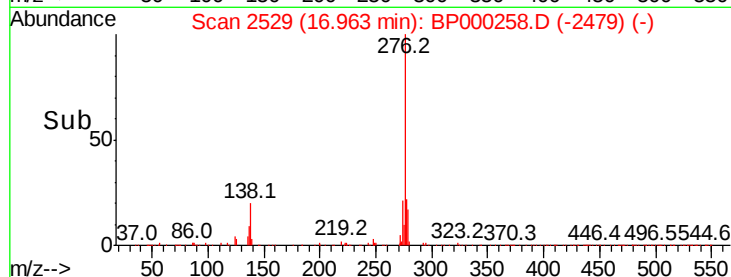
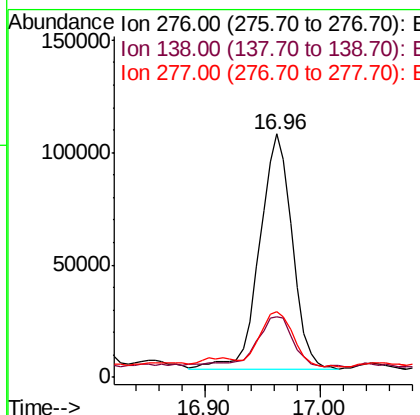
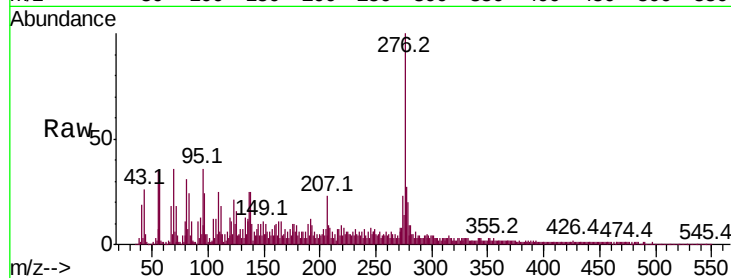




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.067 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

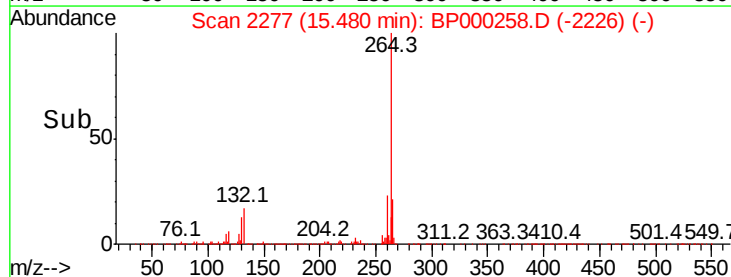
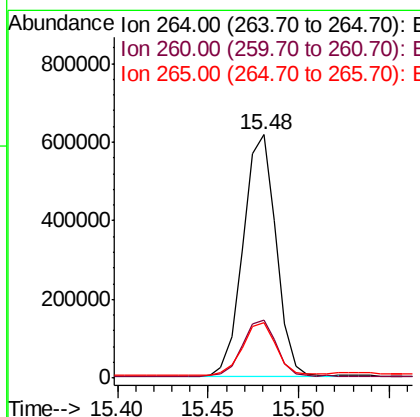
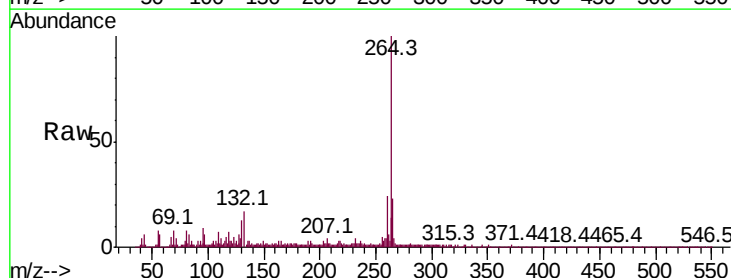
Instrument :
 BNA_P
 ClientSampled :

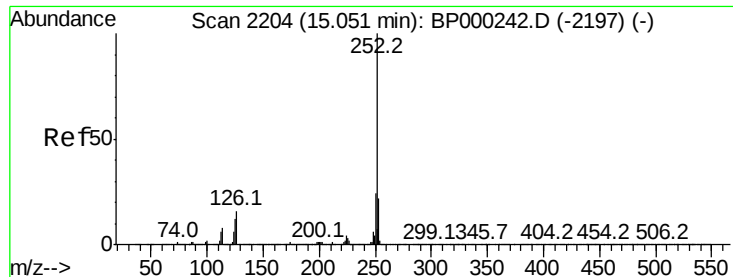
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.6	33.8
277	24.4	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.6	17.2	25.8

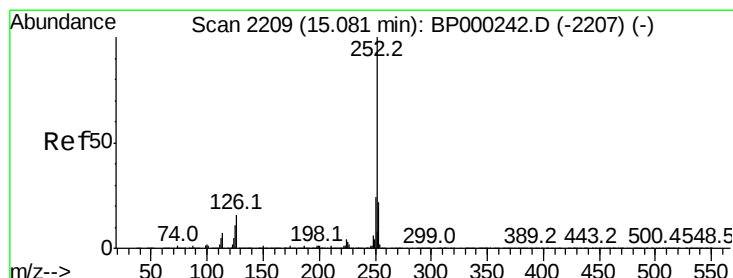
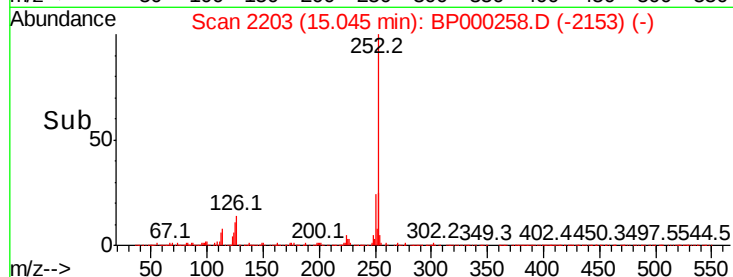
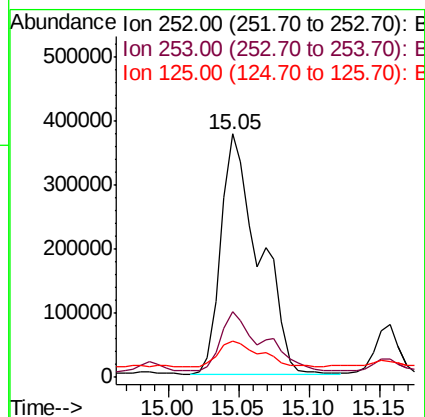
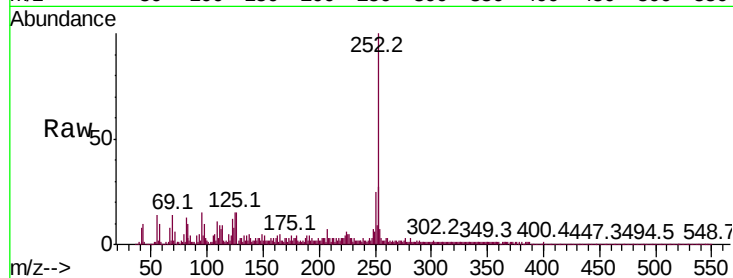




#88
Benzo(b)fluoranthene
Concen: 15.401 ng
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

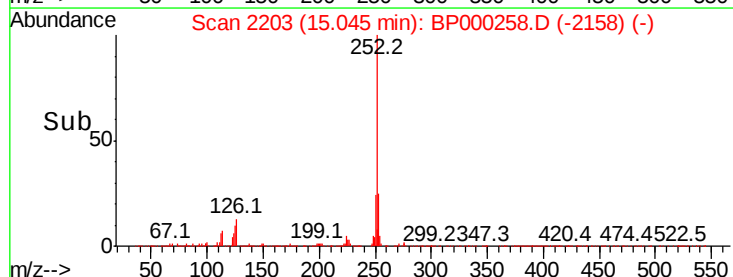
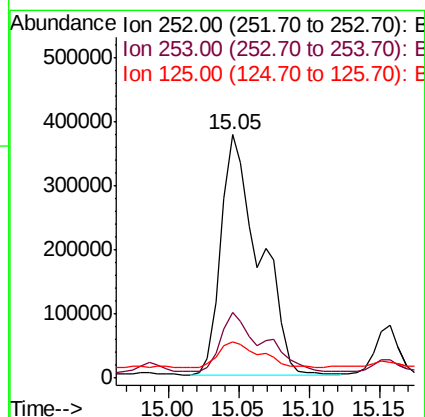
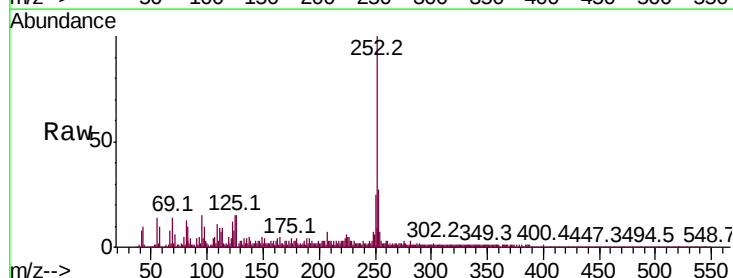
Instrument :
BNA_P
ClientSampleId :

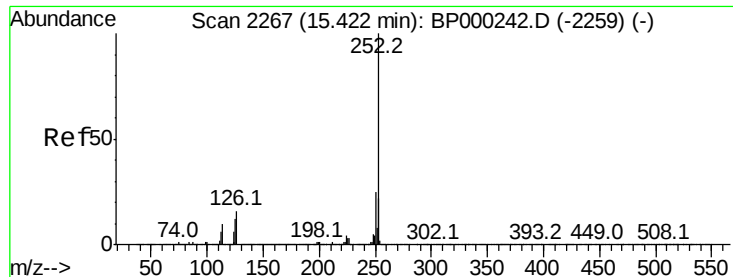
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.8	26.6#
125	15.0	9.5	14.3#



#89
Benzo(k)fluoranthene
Concen: 17.655 ng
RT: 15.05 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.8	26.8#
125	15.0	9.6	14.4#





#90

Benzo(a)pyrene

Concen: 8.812 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampled :

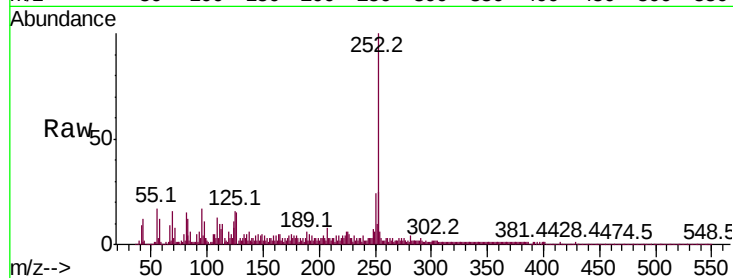
Tot Ion:252 Resp: 369616

Ion Ratio Lower Upper

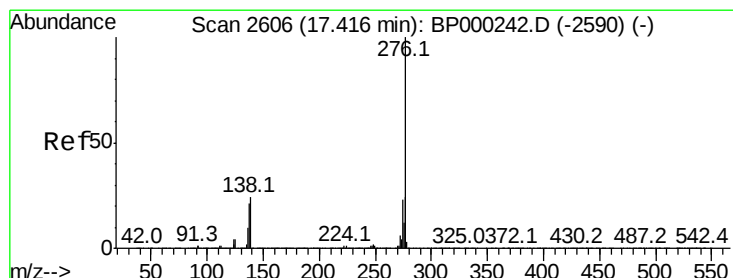
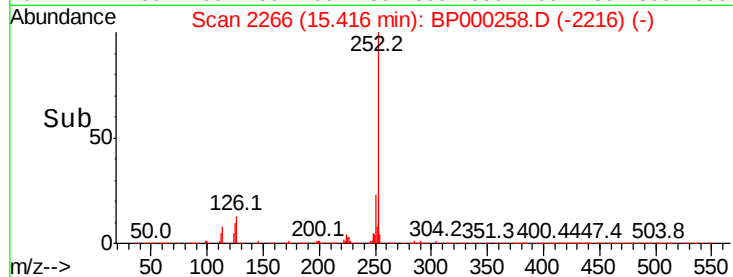
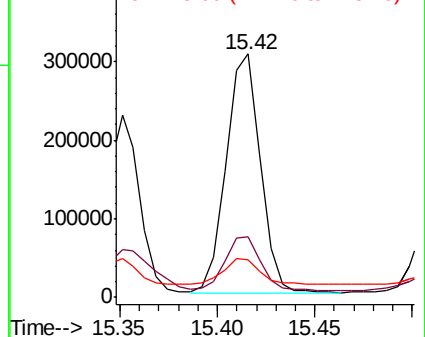
252 100

253 25.1 17.7 26.5

125 15.6 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



#92

Benzo(g,h,i)perylene

Concen: 4.593 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

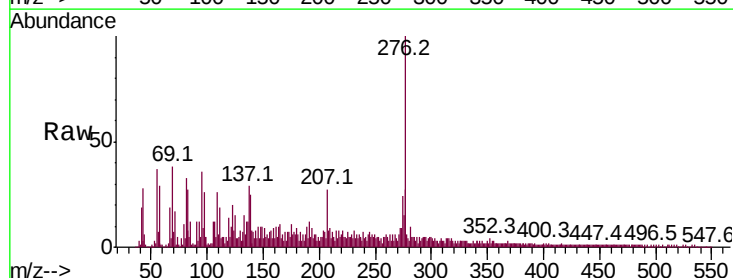
Tgt Ion:276 Resp: 184618

Ion Ratio Lower Upper

276 100

277 27.1 19.1 28.7

138 24.5 19.5 29.3



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

