

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000256.D
 Acq On : 16 Sep 2019 23:13
 Operator : HP/JU
 Sample : K4873-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 17 06:13:06 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	351750	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1278001	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	684814	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1195086	20.00	ng	0.00
76) Chrysene-d12	13.99	240	989956	20.00	ng	-0.01
87) Perylene-d12	15.47	264	995170	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	979484	48.07	ng	0.00
7) Phenol-d6	6.42	99	1302901	52.17	ng	0.00
23) Nitrobenzene-d5	7.35	82	687744	34.72	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	285995	42.10	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1627044	42.76	ng	0.00
79) Terphenyl-d14	12.92	244	1725186	36.56	ng	-0.01

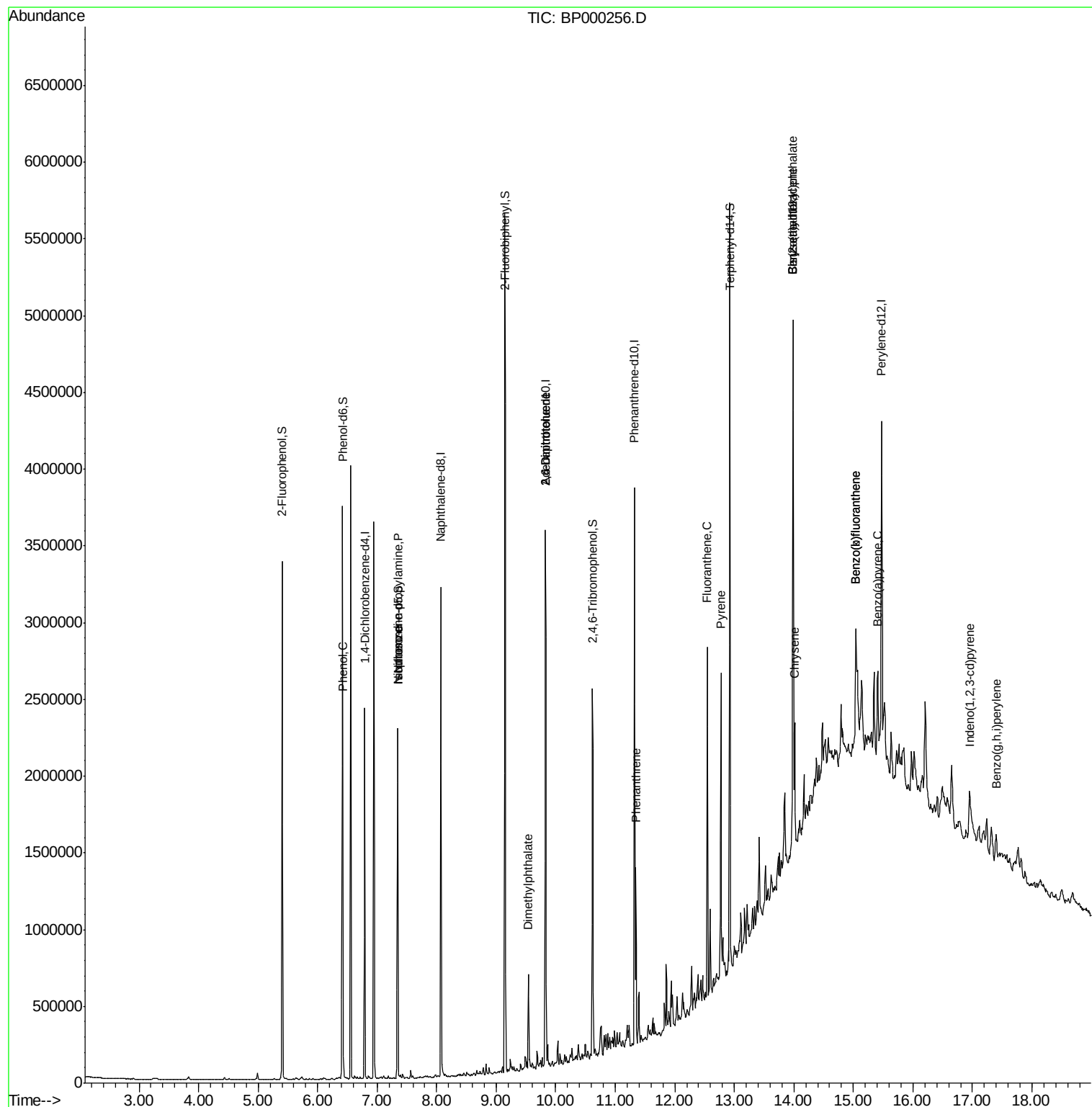
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	1392	Below Cal		# 80
10) Phenol	6.43	94	65617	2.312	ng	98
19) n-Nitroso-di-n-propylamine	7.35	70	86447	6.546	ng	# 75
25) Isophorone	7.35	82	686891	17.513	ng	# 63
50) Dimethylphthalate	9.54	163	218258	4.678	ng	99
51) 2,6-Dinitrotoluene	9.83	165	90649	8.836	ng	# 30
57) 2,4-Dinitrotoluene	9.83	165	90649	6.759	ng	# 35
69) Atrazine	11.04	200	283	Below Cal		# 1
71) Phenanthrene	11.35	178	383109	6.397	ng	99
75) Fluoranthene	12.55	202	865400	13.457	ng	98
78) Pyrene	12.77	202	788262	10.643	ng	99
81) Benzo(a)anthracene	13.98	228	363627	5.815	ng	94
83) Chrysene	14.02	228	345555	5.628	ng	97
84) Bis(2-ethylhexyl)phthalate	13.98	149	85967	2.104	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.95	276	150408	2.010	ng	95
88) Benzo(b)fluoranthene	15.04	252	526393	8.867	ng	# 91
89) Benzo(k)fluoranthene	15.04	252	526393	10.165	ng	# 91
90) Benzo(a)pyrene	15.41	252	269355	4.986	ng	# 92
92) Benzo(a,h,i)perylene	17.40	276	144574	2.793	ng	93

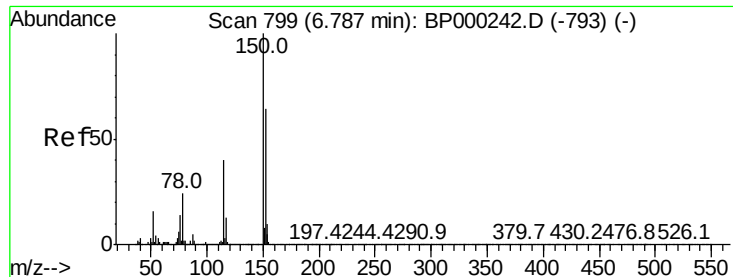
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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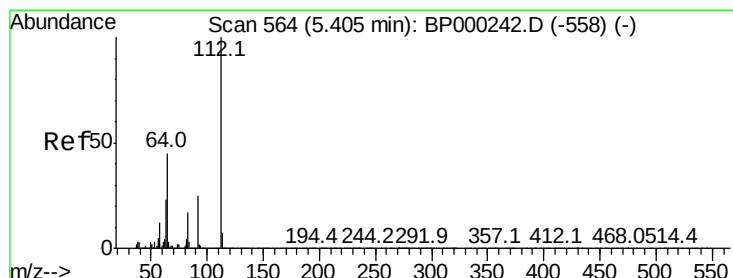
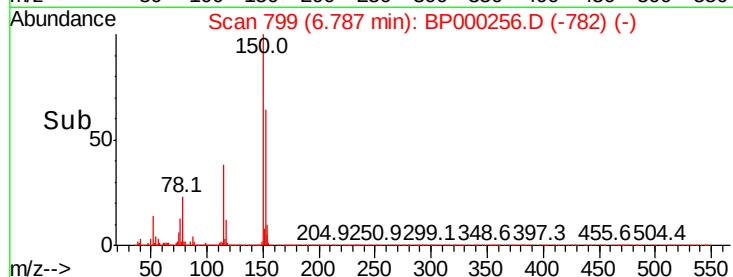
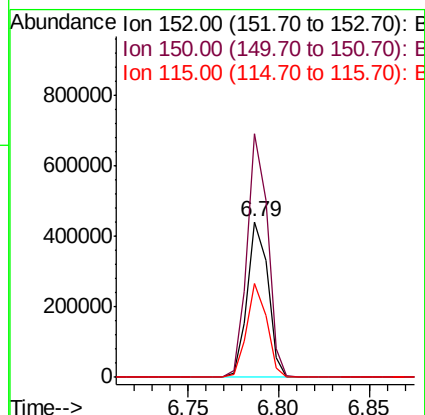
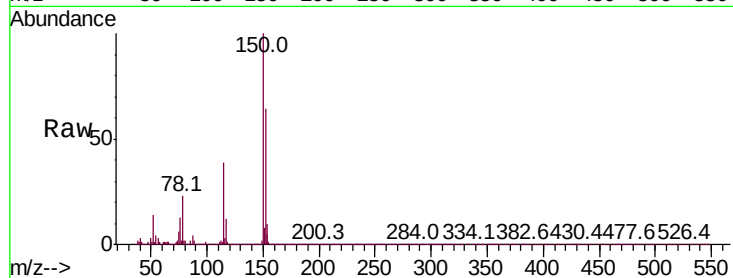


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Instrument :
BNA_P
ClientSampleId :

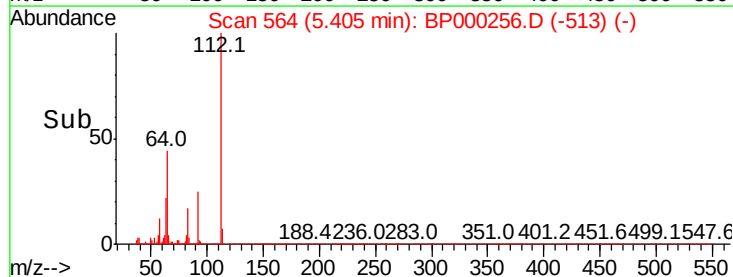
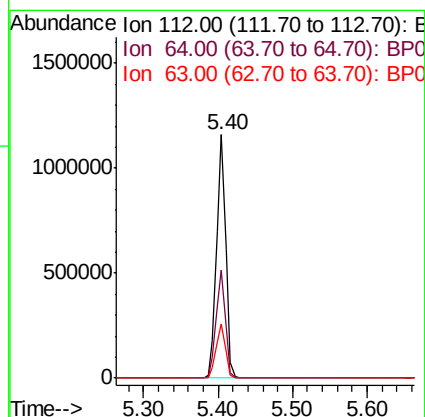
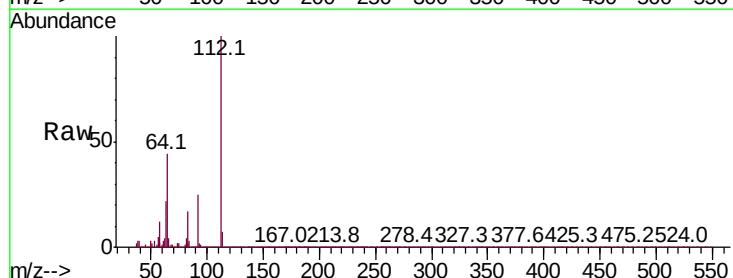
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.2	187.8
115	60.1	49.7	74.5

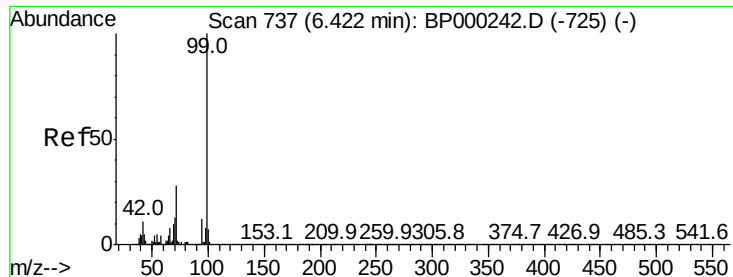


#5

2-Fluorophenol
Concen: 48.072 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.5	36.2	54.4
63	22.5	18.3	27.5





#7

Phenol-d6

Concen: 52.166 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Instrument :

BNA_P

ClientSampleId :

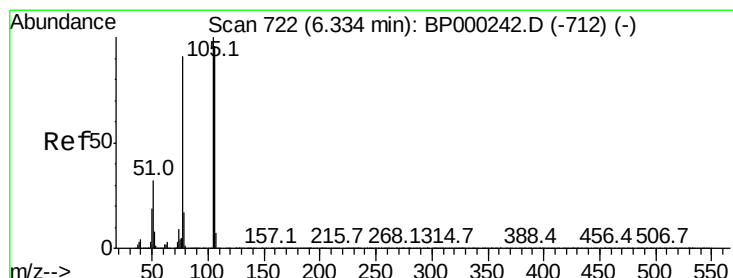
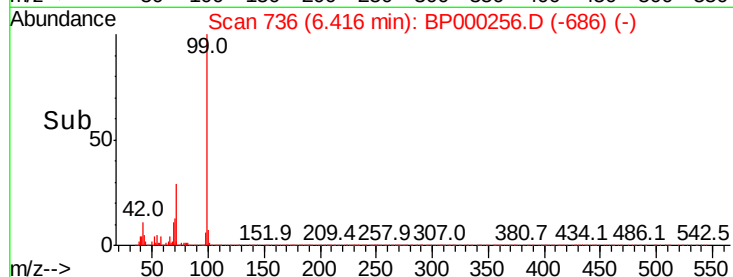
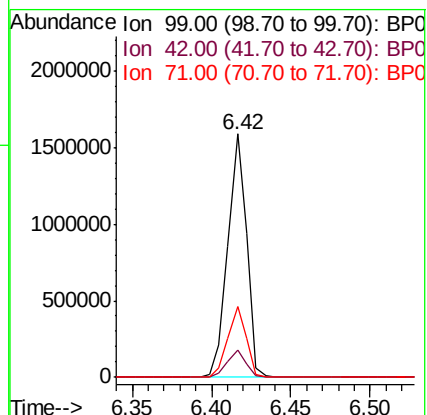
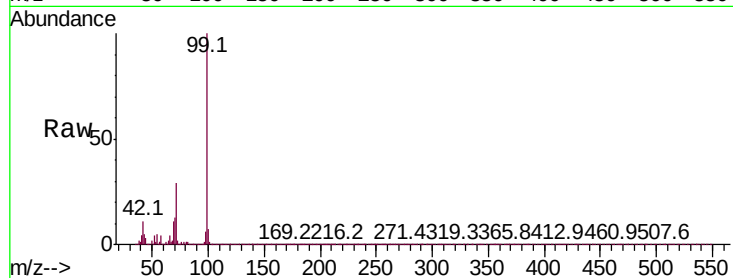
Tot Ion: 99 Resp: 1302901

Ion Ratio Lower Upper

99 100

42 11.2 8.5 12.7

71 29.3 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

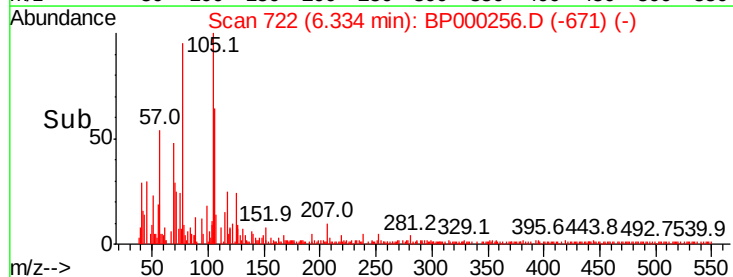
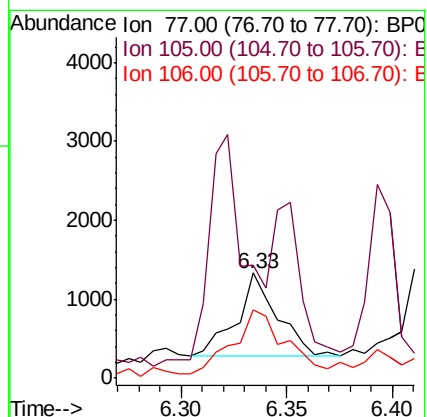
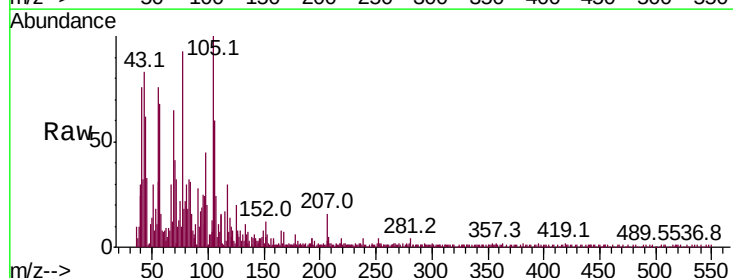
Tgt Ion: 77 Resp: 1392

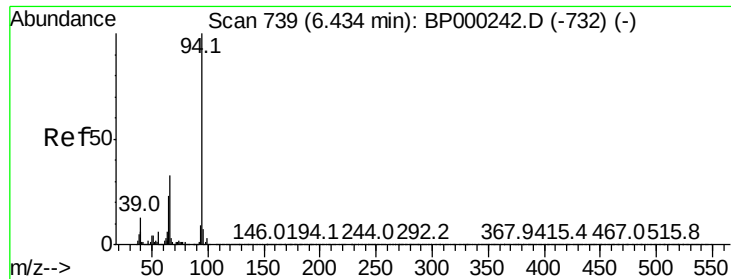
Ion Ratio Lower Upper

77 100

105 107.9 89.6 129.6

106 65.1 84.6 124.6#

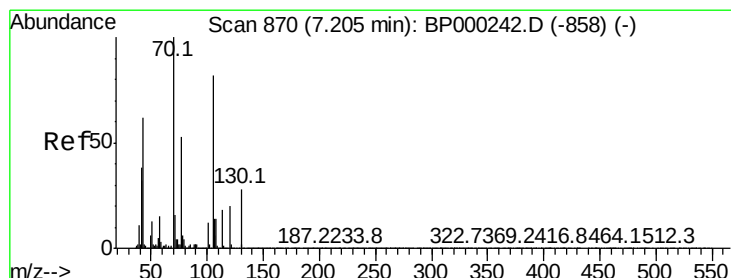
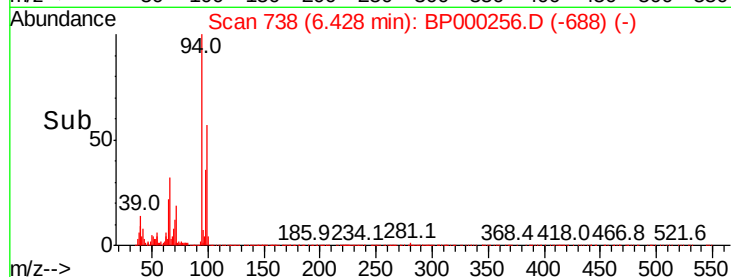
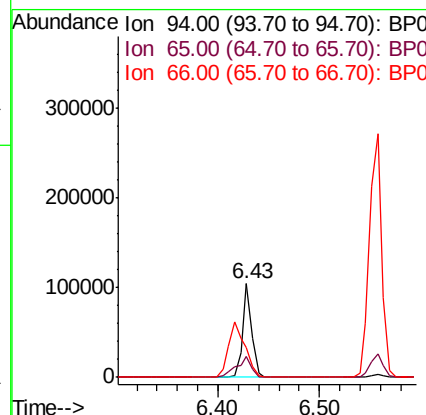
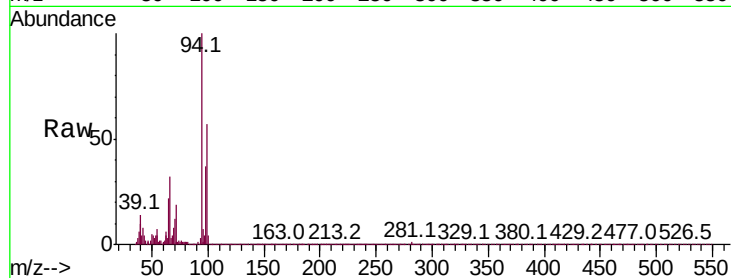




#10
Phenol
Concen: 2.312 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

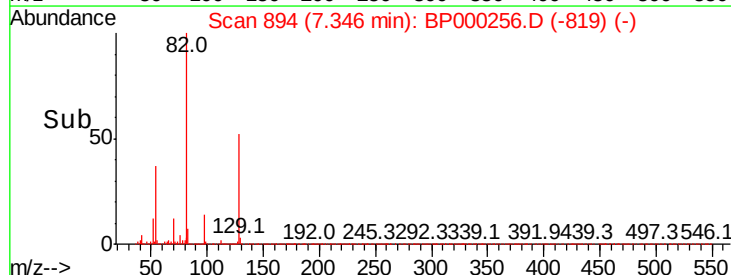
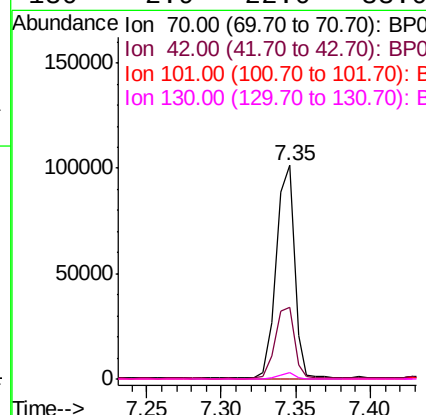
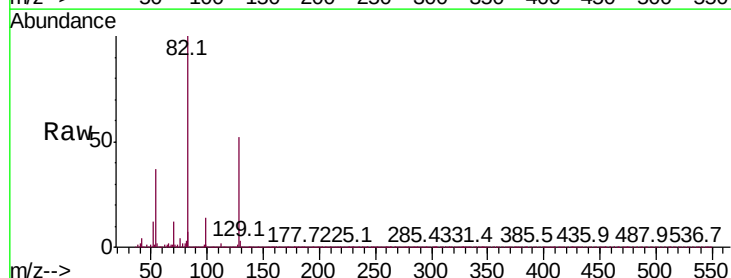
Instrument :
BNA_P
ClientSampleId :

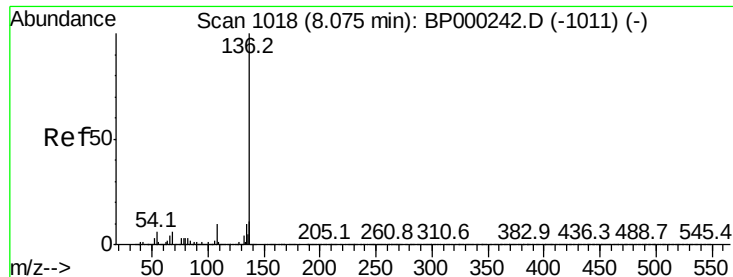
Tot Ion	Ratio	Lower	Upper
94	100		
65	22.1	3.3	43.3
66	32.1	12.7	52.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.546 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
70	100		
42	33.4	30.7	46.1
101	0.1	9.6	14.4#
130	2.9	22.0	33.0#

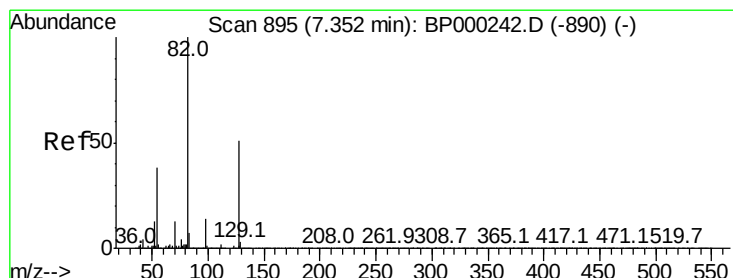
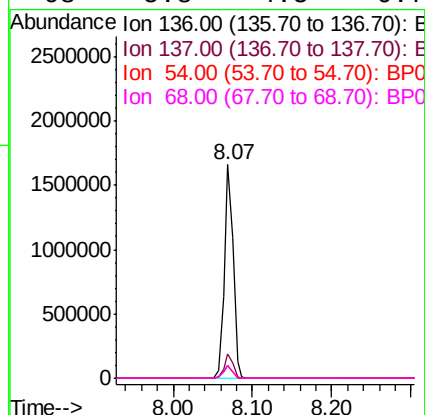
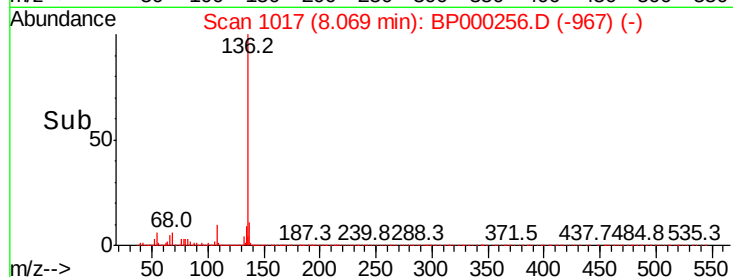
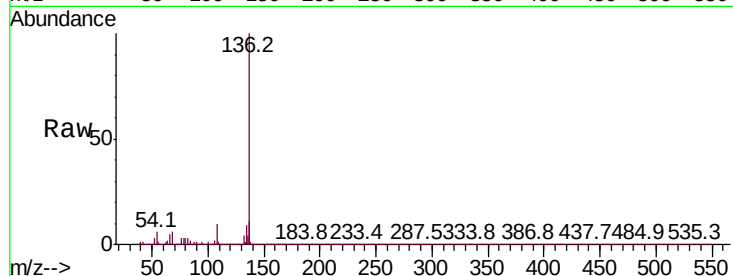




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

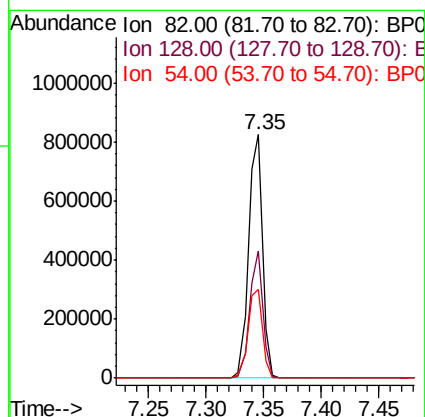
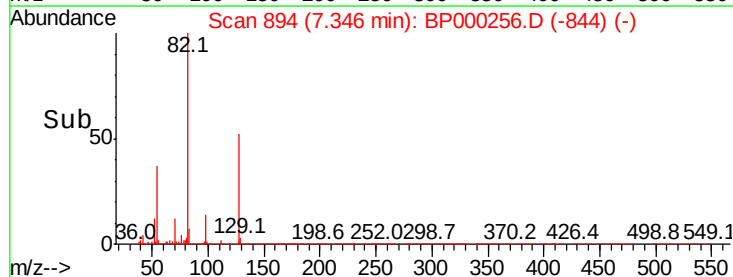
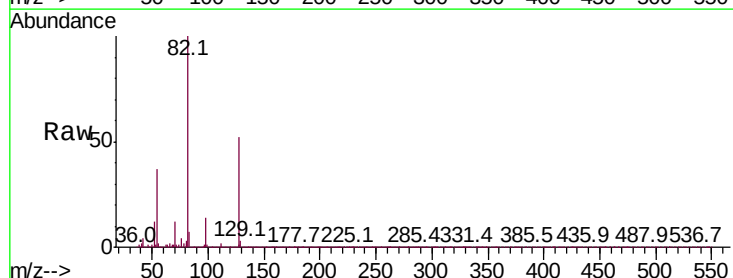
Instrument :
BNA_P
ClientSampleId :

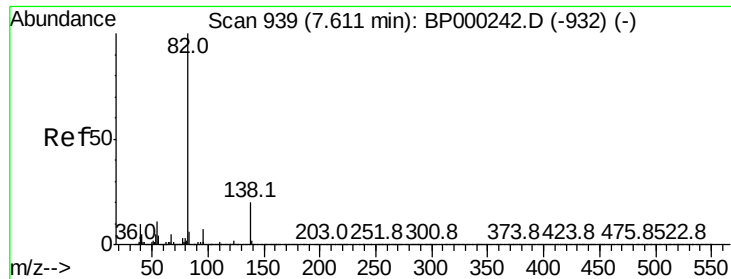
Tot Ion:136	Resp: 1278001
Ion Ratio	Lower Upper
136 100	
137 11.2	8.6 13.0
54 5.9	4.5 6.7
68 5.8	4.5 6.7



#23
Nitrobenzene-d5
Concen: 34.721 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Tgt	Ion: 82	Resp:	687744
Ion	Ratio	Lower	Upper
82	100		
128	52.3	40.7	61.1
54	36.7	30.1	45.1





#25

Isophorone

Concen: 17.513 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Instrument :

BNA_P

ClientSampled :

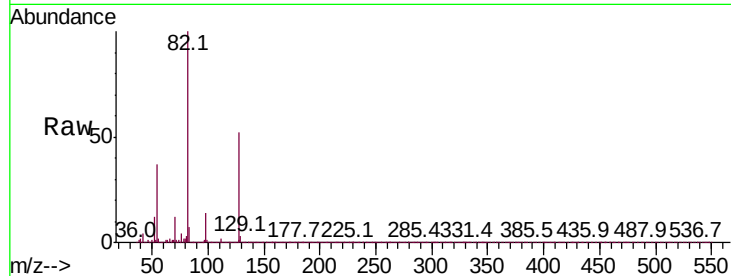
Tot Ion: 82 Resp: 686891

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

138 0.0 15.9 23.9#



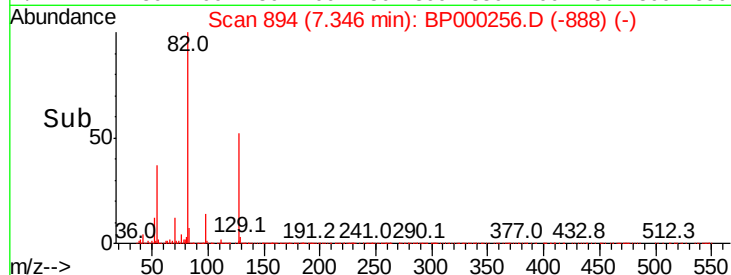
Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

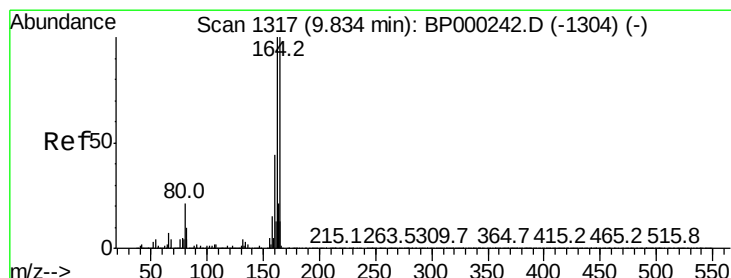
Ion 138.00 (137.70 to 138.70): BP0

7.35

Time-->



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

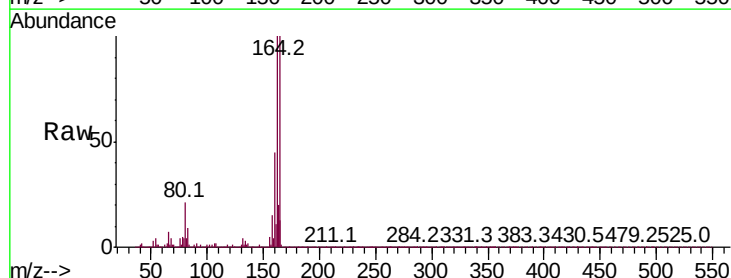
Tgt Ion: 164 Resp: 684814

Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

160 44.8 35.6 53.4



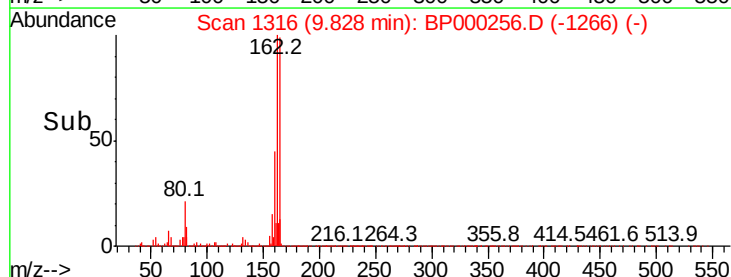
Abundance Ion 164.00 (163.70 to 164.70): E

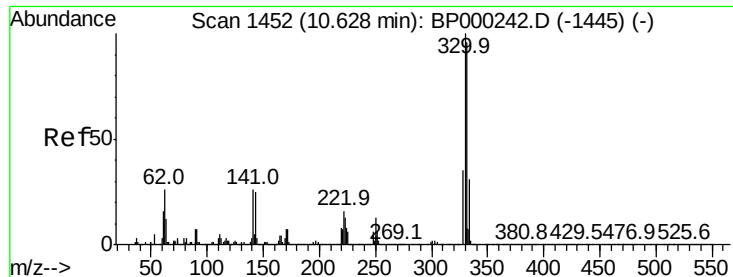
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.83

Time-->

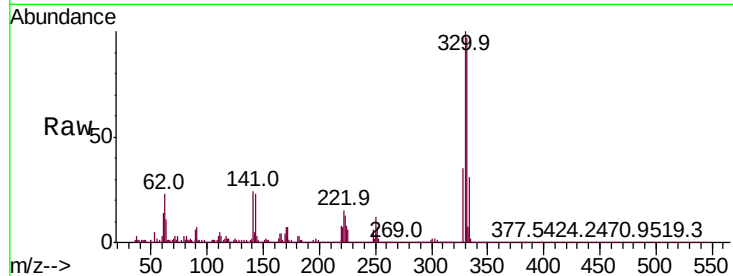




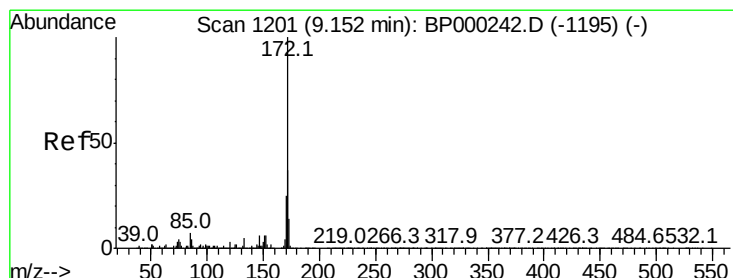
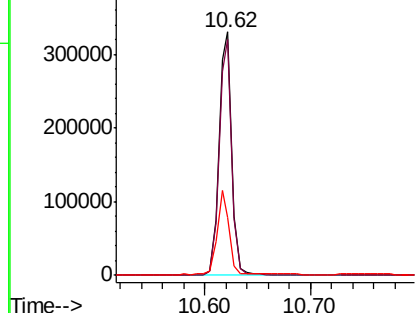
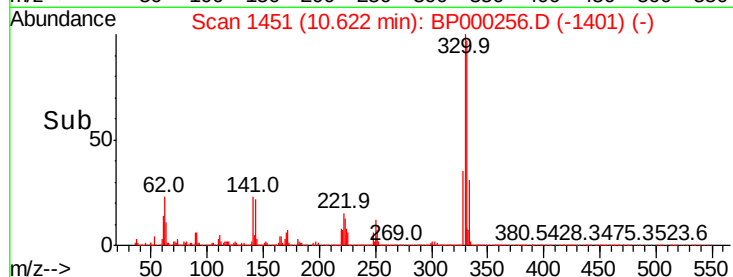
#42
2,4,6-Tribromophenol
Concen: 42.105 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	31.7	26.5	39.7

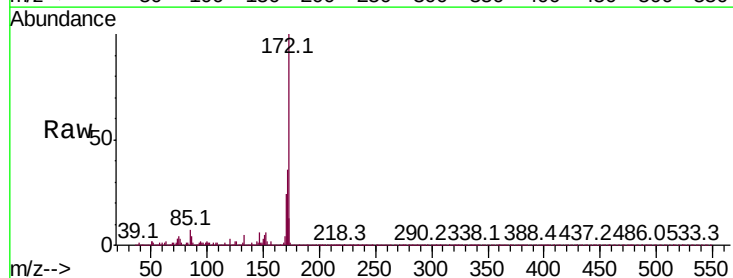


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

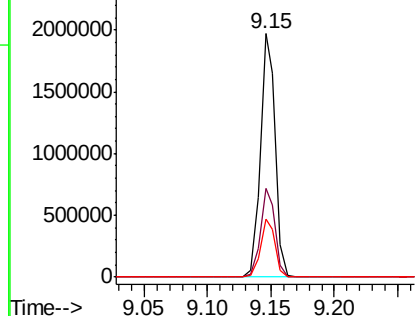
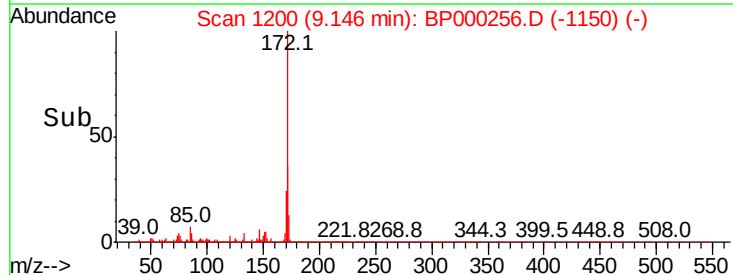


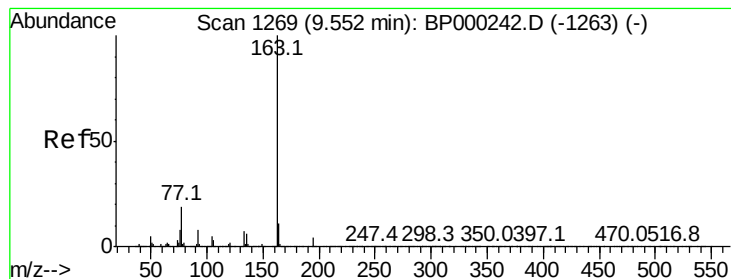
#45
2-Fluorobiphenyl
Concen: 42.761 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	23.7	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.678 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Instrument :

BNA_P

ClientSampleId :

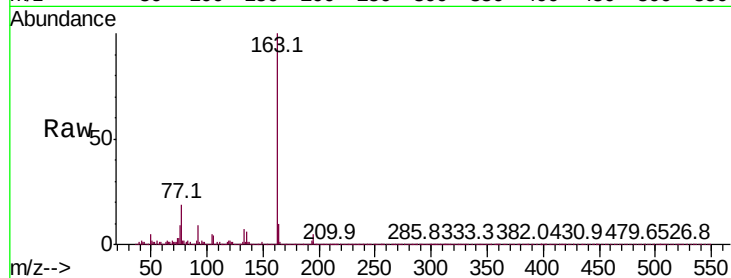
Tot Ion:163 Resp: 218258

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.0

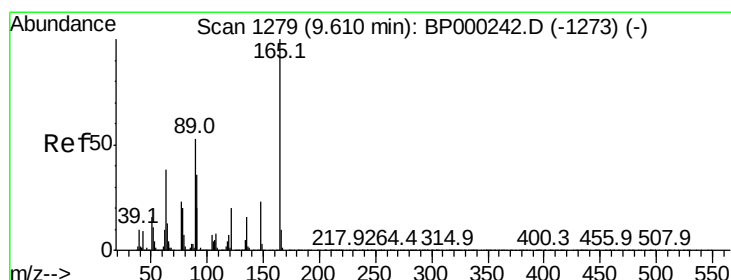
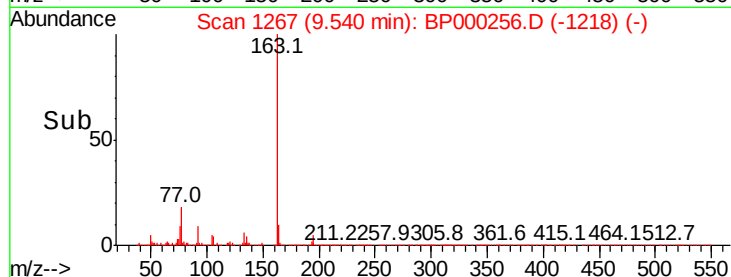
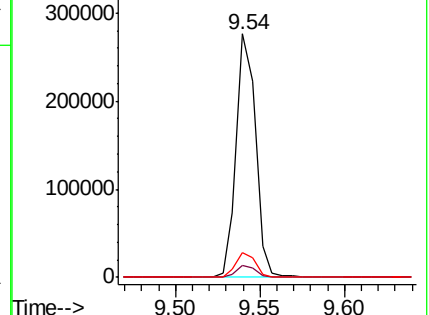
164 10.0 8.5 12.7



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: 8.836 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.22 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

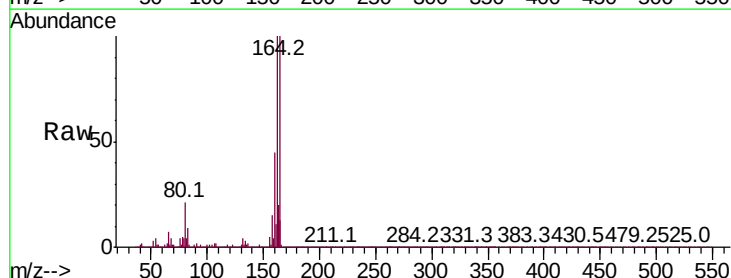
Tgt Ion:165 Resp: 90649

Ion Ratio Lower Upper

165 100

63 1.2 35.8 53.8#

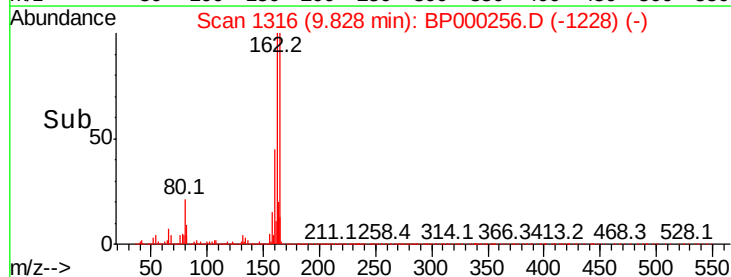
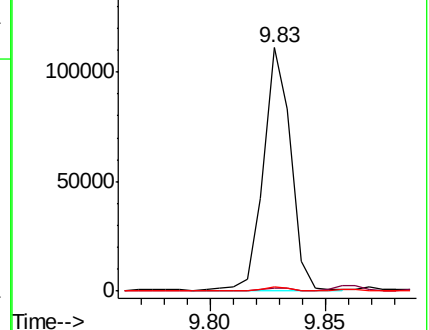
89 1.6 42.6 63.8#

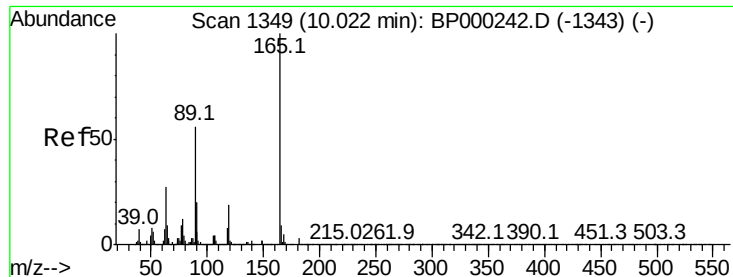


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

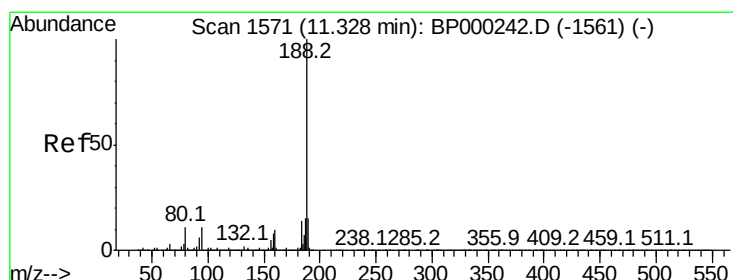
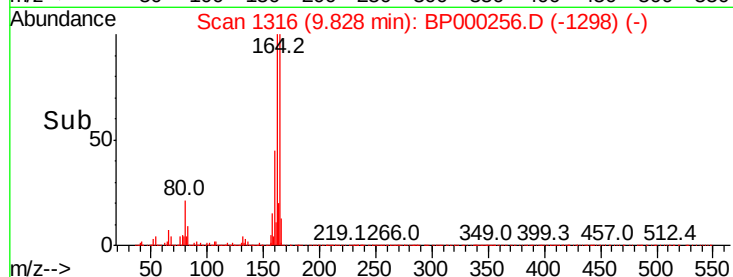
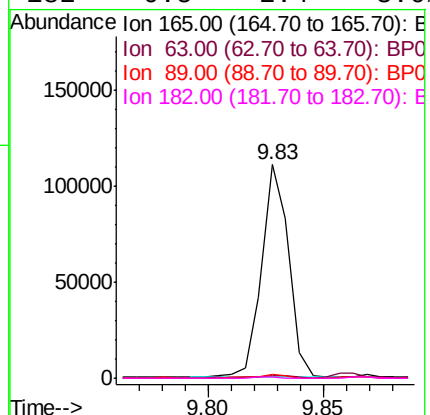
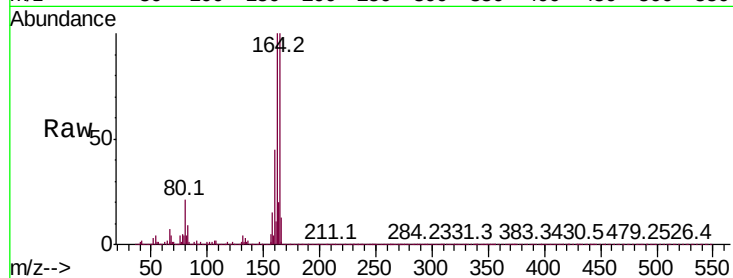




#57
 2,4-Dinitrotoluene
 Concen: 6.759 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BP000256.D
 Acq: 16 Sep 2019 23:13

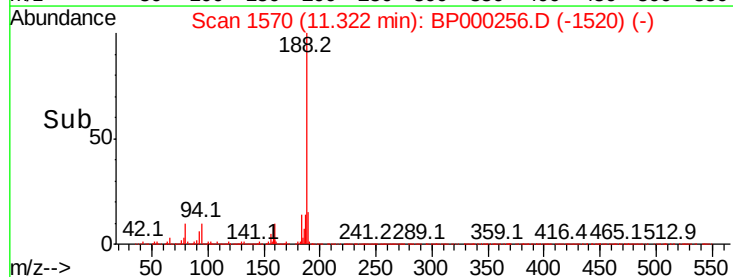
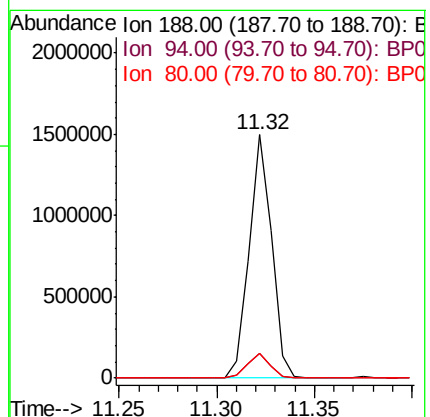
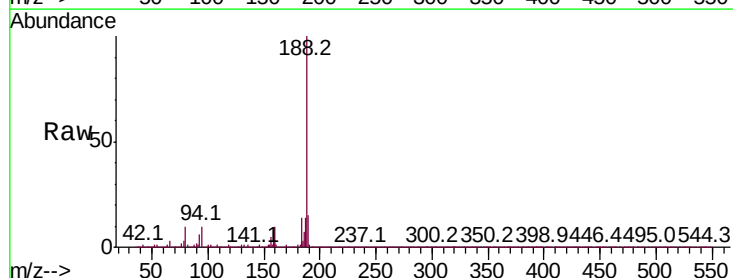
Instrument :
 BNA_P
 ClientSampleId :

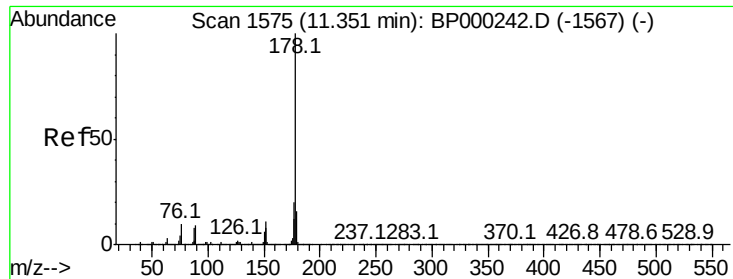
Tot Ion:165 Resp: 90649
 Ion Ratio Lower Upper
 165 100
 63 1.2 21.7 32.5#
 89 1.6 45.0 67.6#
 182 0.5 2.4 3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BP000256.D
 Acq: 16 Sep 2019 23:13

Tgt Ion:188 Resp: 1195086
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 10.2 8.6 13.0





#71

Phenanthrene

Concen: 6.397 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

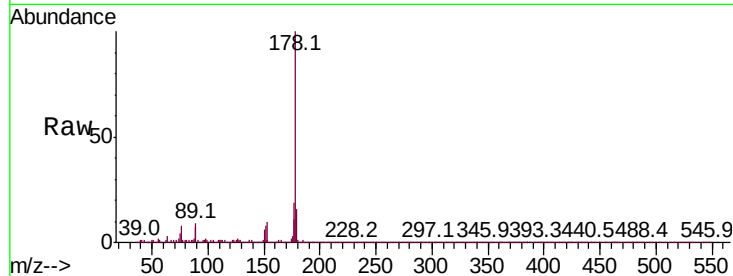
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 383109

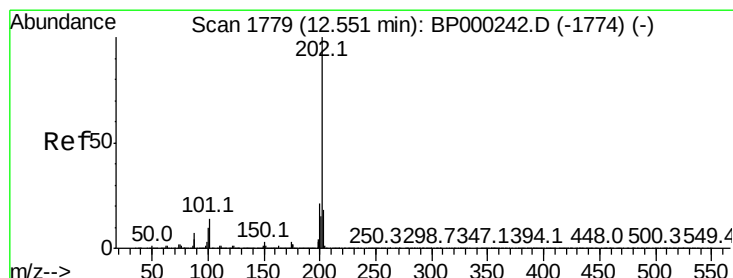
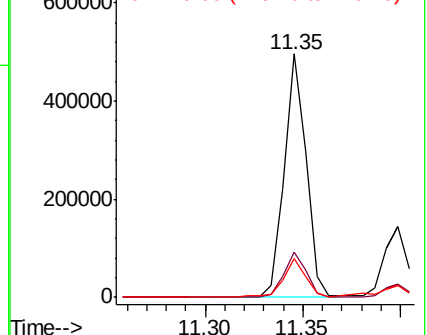
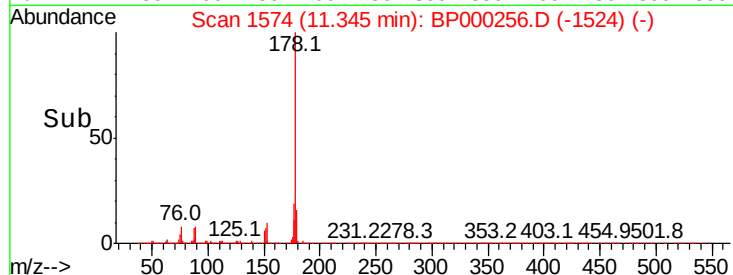
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.9	12.7	19.1



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: 13.457 ng

RT: 12.55 min Scan# 1778

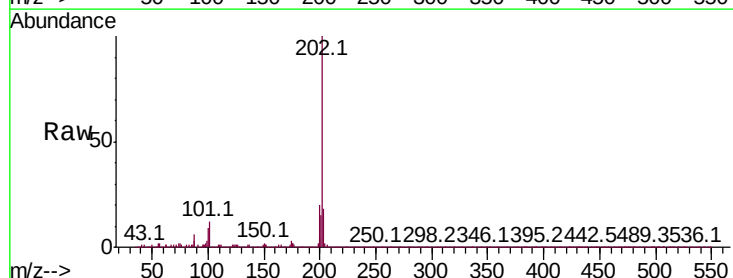
Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Tgt Ion:202 Resp: 865400

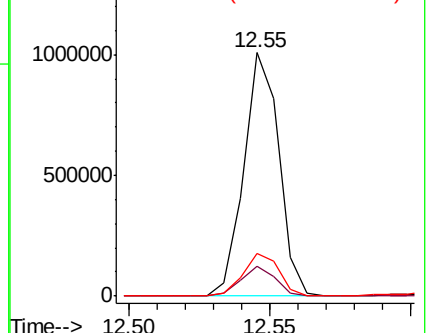
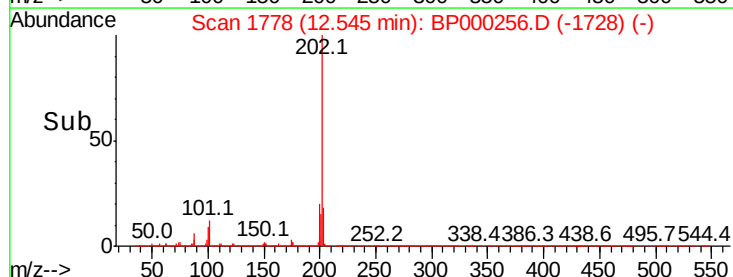
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.9
203	17.7	0.0	38.0

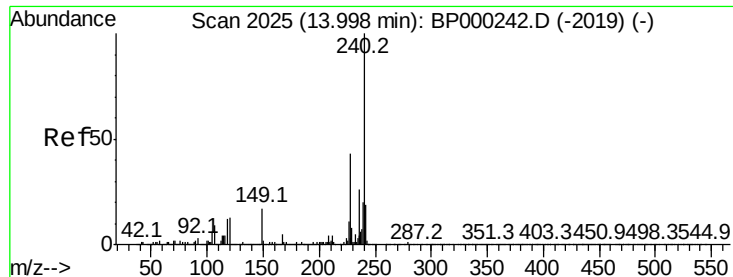


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

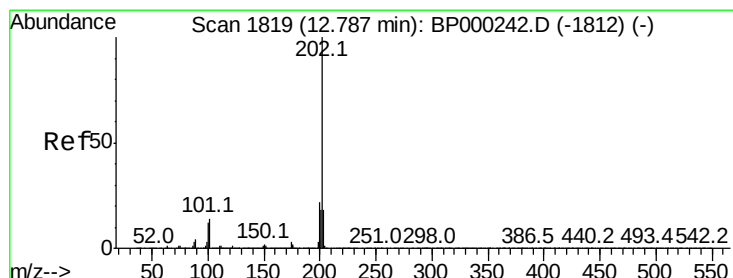
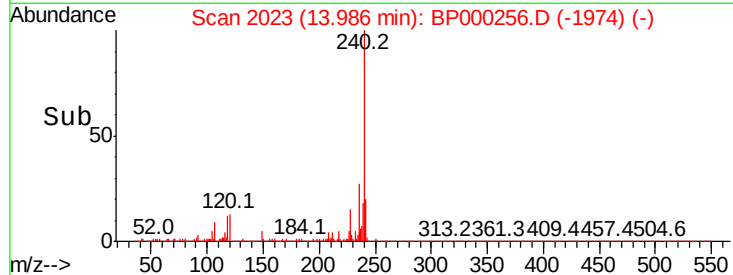
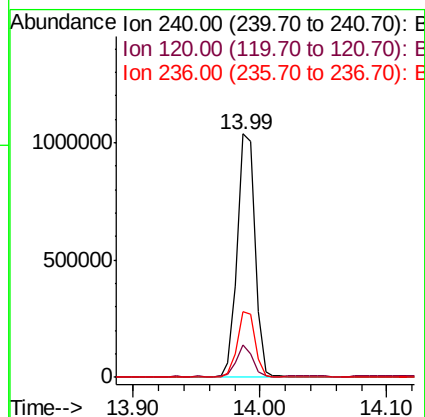
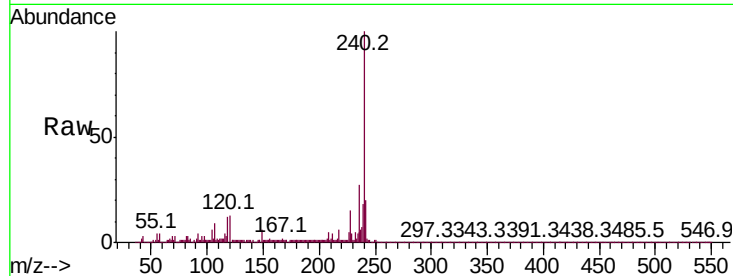




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

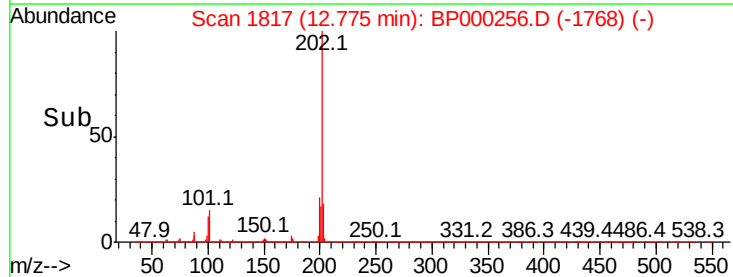
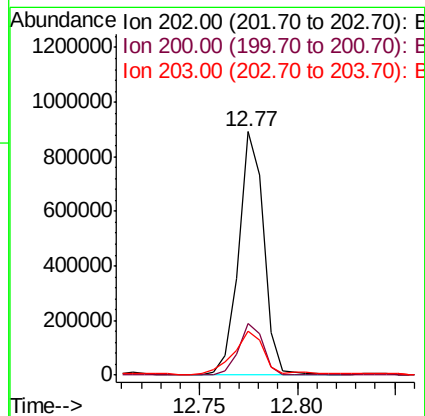
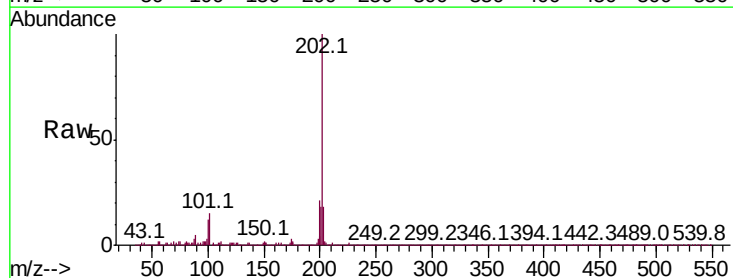
Instrument :
BNA_P
ClientSampled :

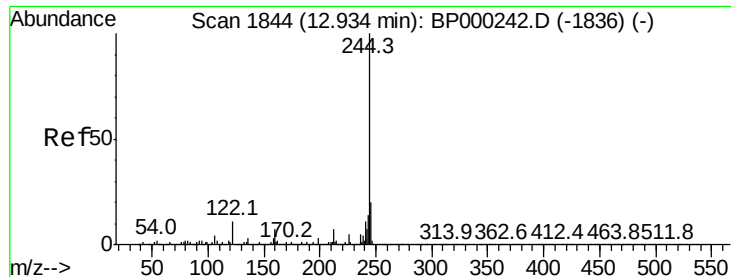
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.4	15.6
236	26.8	21.0	31.6



#78
Pyrene
Concen: 10.643 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	18.1	14.3	21.5





#79

Terphenyl-d14

Concen: 36.559 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Instrument :

BNA_P

ClientSampled :

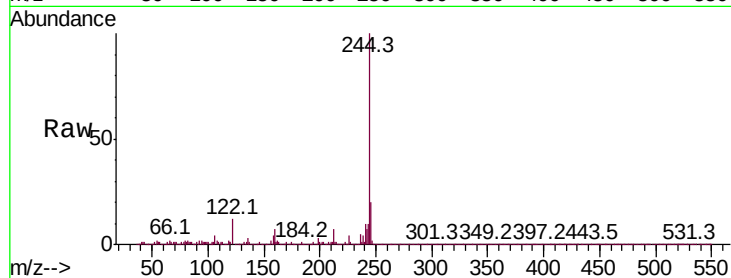
Tot Ion:244 Resp: 1725186

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

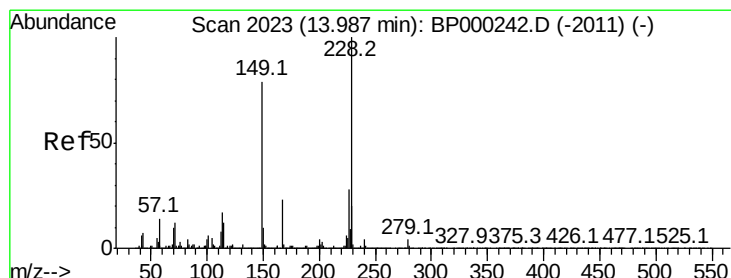
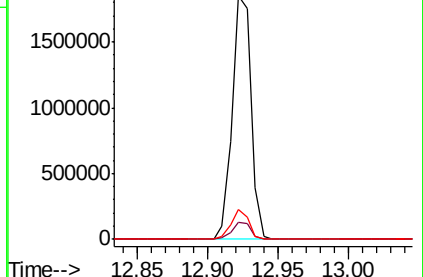
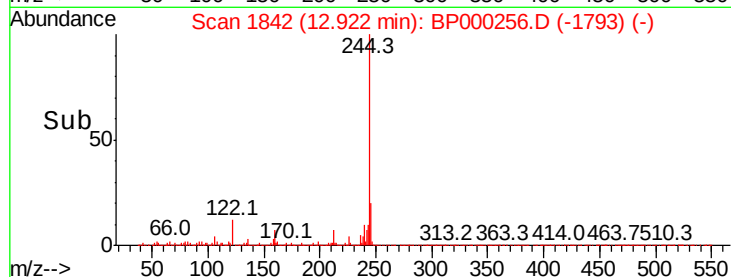
122 12.2 9.0 13.4



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: 5.815 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

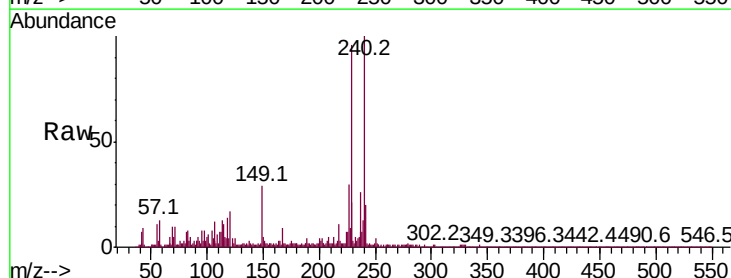
Tgt Ion:228 Resp: 363627

Ion Ratio Lower Upper

228 100

226 31.5 22.2 33.4

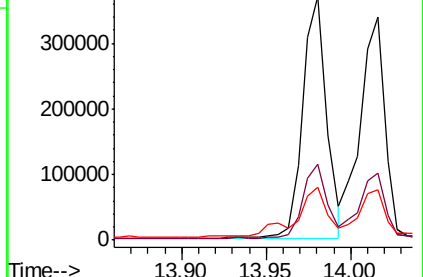
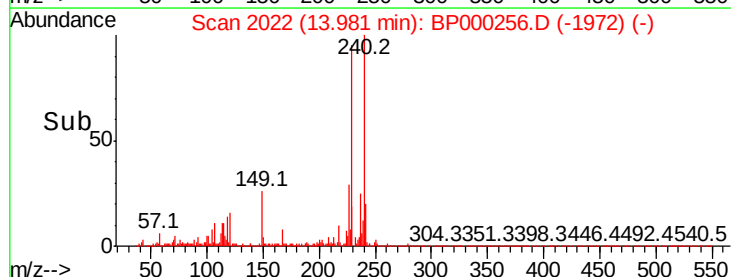
229 21.7 16.0 24.0

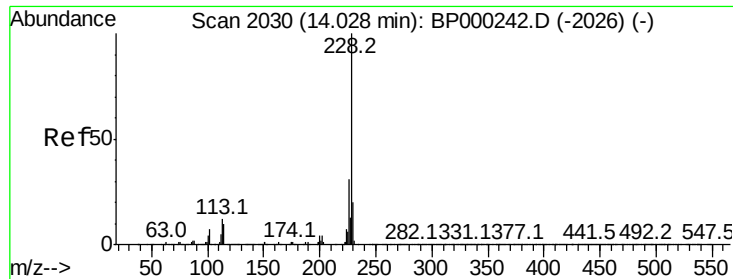


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

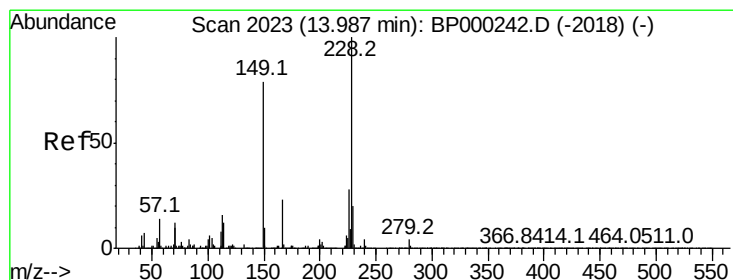
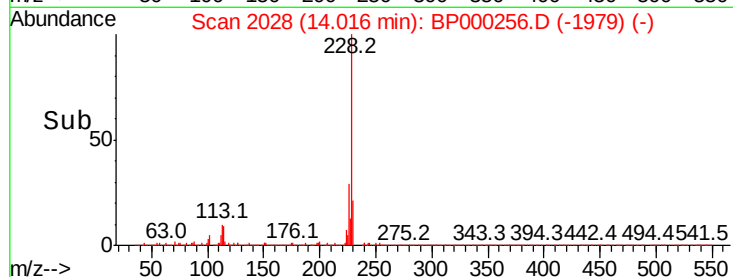
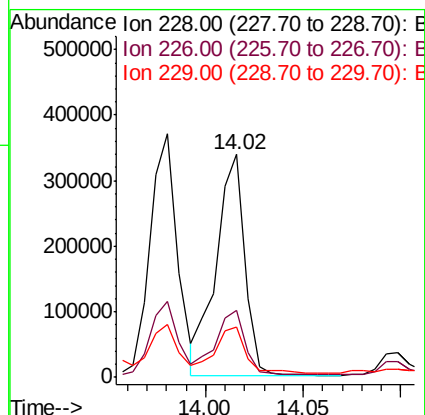
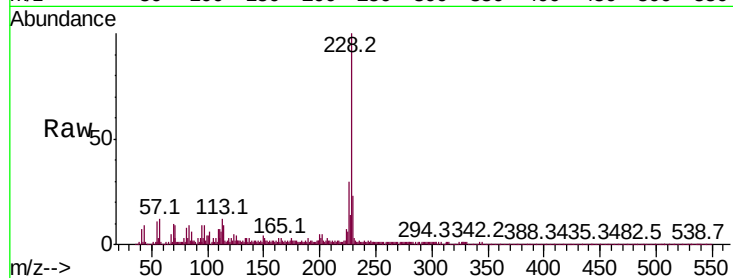




#83
 Chrysene
 Concen: 5.628 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BP000256.D
 Acq: 16 Sep 2019 23:13

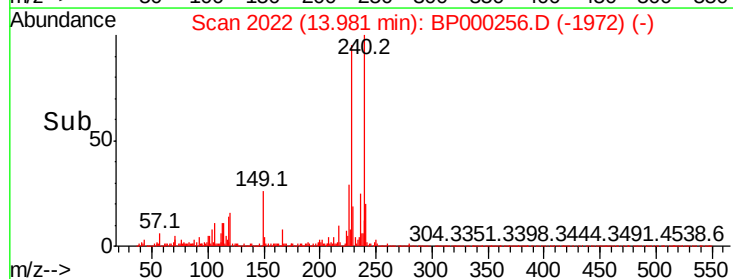
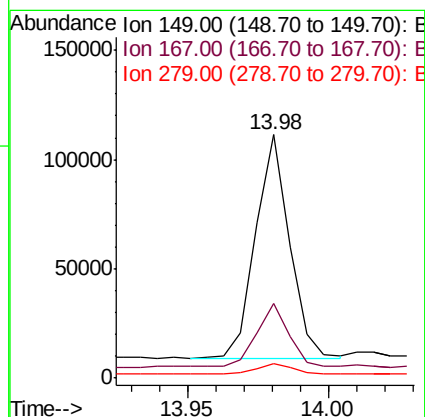
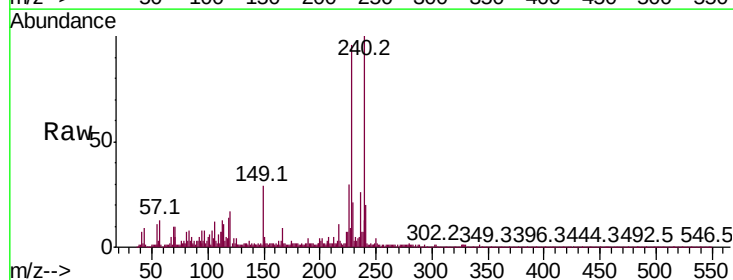
Instrument :
 BNA_P
 ClientSampled :

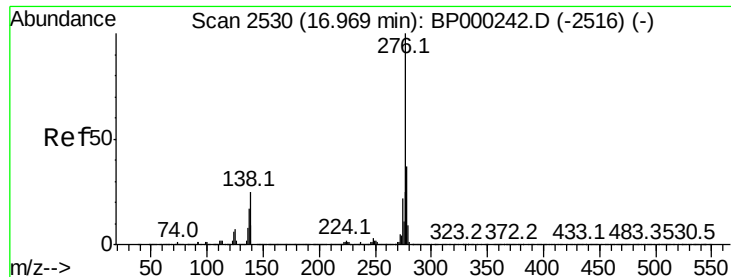
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.5	16.2	24.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.104 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BP000256.D
 Acq: 16 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.6	23.0	34.4
279	5.9	3.7	5.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.010 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Instrument :

BNA_P

ClientSampleId :

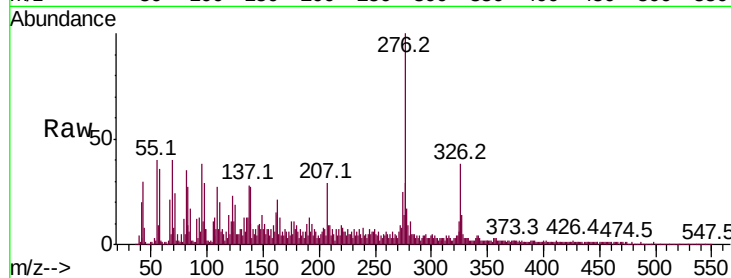
Tot Ion:276 Resp: 150408

Ion Ratio Lower Upper

276 100

138 23.3 22.6 33.8

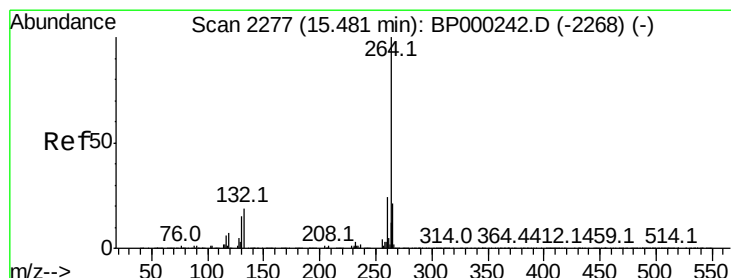
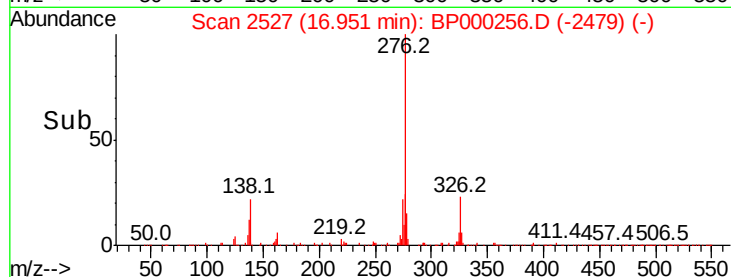
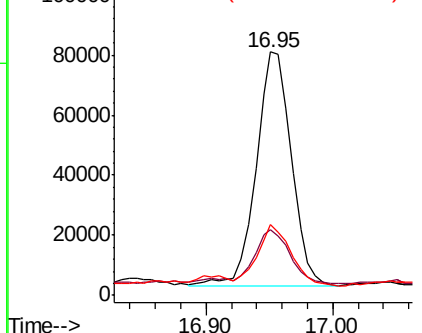
277 25.9 20.4 30.6



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: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

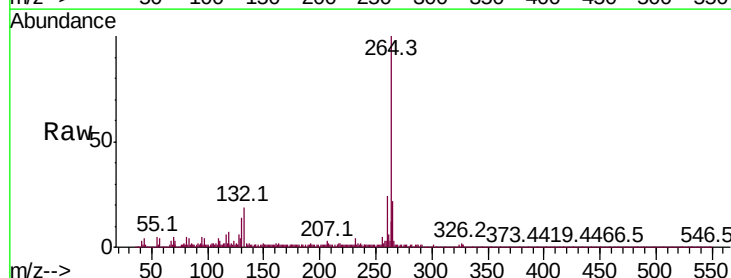
Tgt Ion:264 Resp: 995170

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

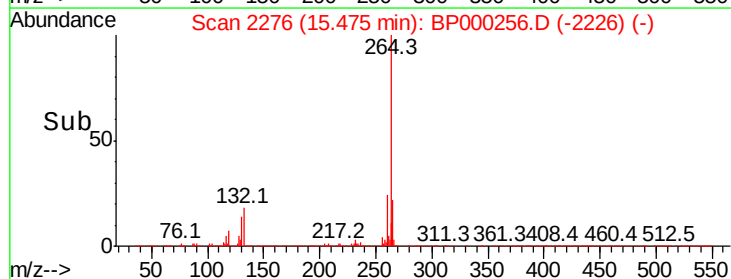
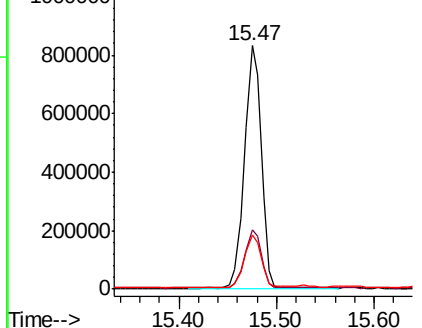
265 22.4 17.2 25.8

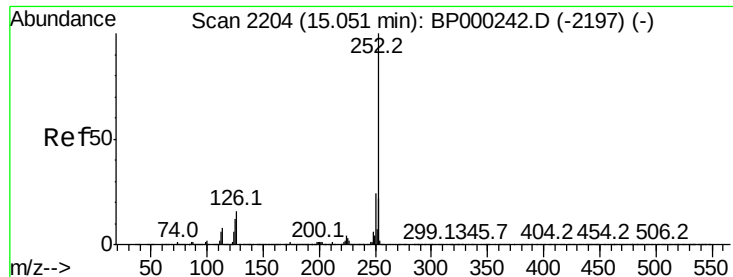


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 8.867 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000256.D

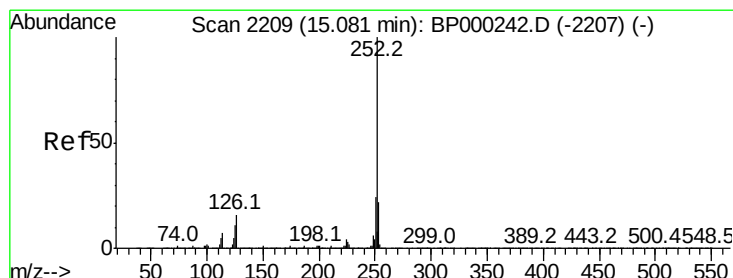
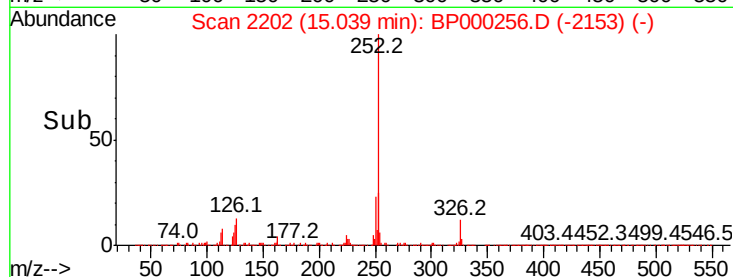
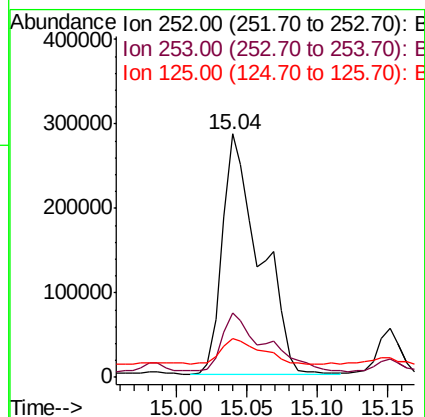
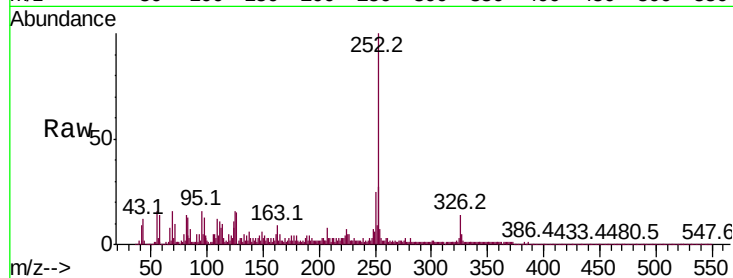
Acq: 16 Sep 2019 23:13

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	252	Resp:	526393
Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.6
125	15.9	9.5	14.3#



#89

Benzo(k)fluoranthene

Concen: 10.165 ng

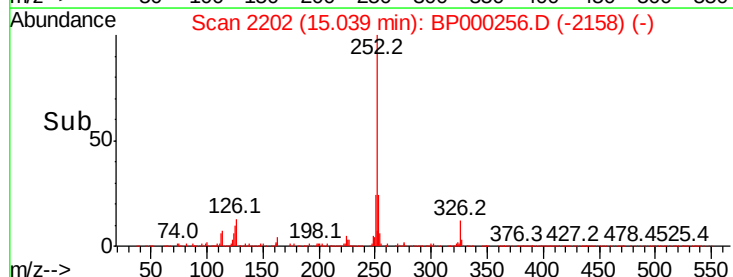
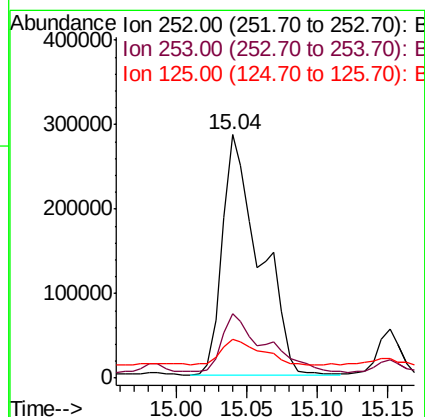
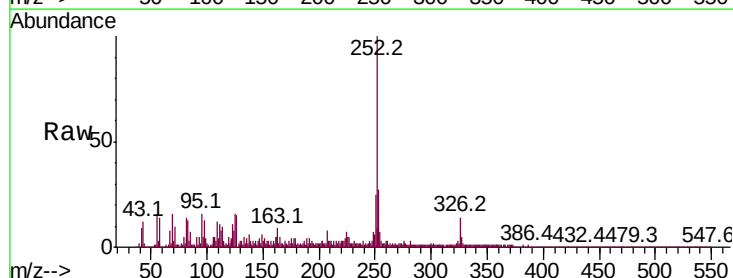
RT: 15.04 min Scan# 2202

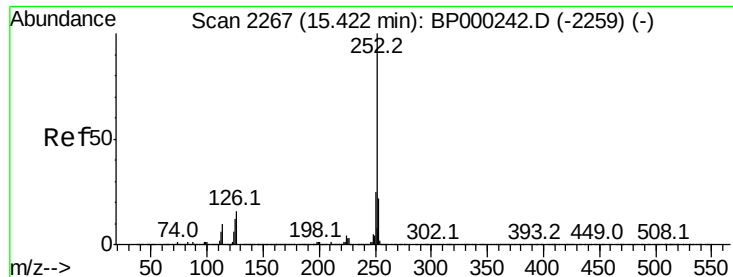
Delta R.T. -0.04 min

Lab File: BP000256.D

Acq: 16 Sep 2019 23:13

Tgt Ion:	252	Resp:	526393
Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	15.9	9.6	14.4#

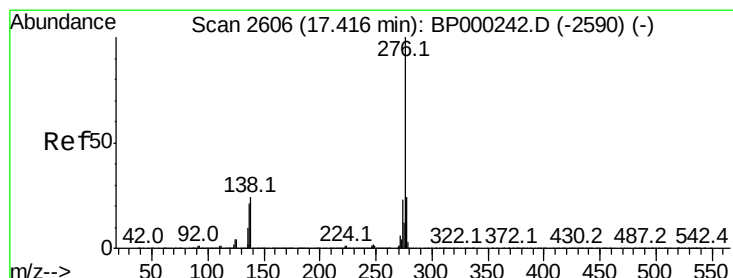
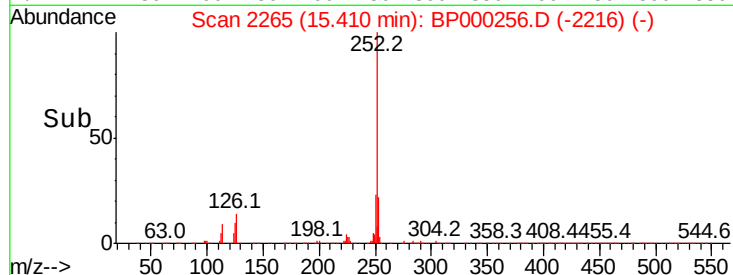
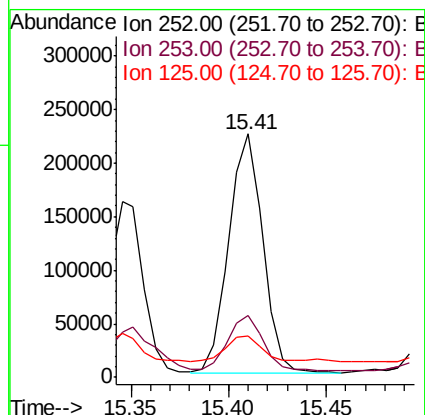
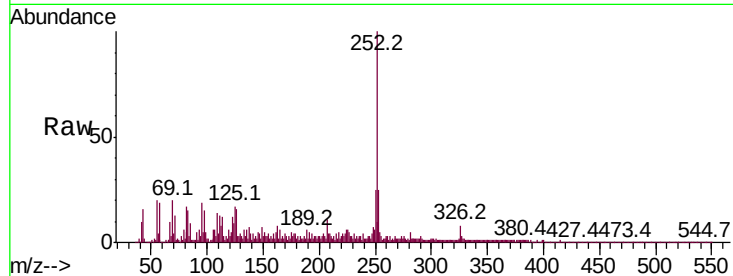




#90
Benzo(a)pyrene
Concen: 4.986 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	16.8	10.0	15.0



#92
Benzo(g,h,i)perylene
Concen: 2.793 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BP000256.D
Acq: 16 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.1	28.7
138	27.4	19.5	29.3

