

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000356.D
 Acq On : 20 Sep 2019 16:00
 Operator : HP/JU
 Sample : K4957-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 20 23:14:31 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	172985	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	643431	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	364574	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	696128	20.00	ng	0.00
76) Chrysene-d12	13.99	240	625638	20.00	ng	0.00
87) Perylene-d12	15.47	264	728245	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	823717	82.21	ng	0.00
7) Phenol-d6	6.43	99	1056189	85.99	ng	0.00
23) Nitrobenzene-d5	7.35	82	577730	57.93	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	367610	101.66	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1249767	61.70	ng	0.00
79) Terphenyl-d14	12.93	244	1526895	51.20	ng	0.00

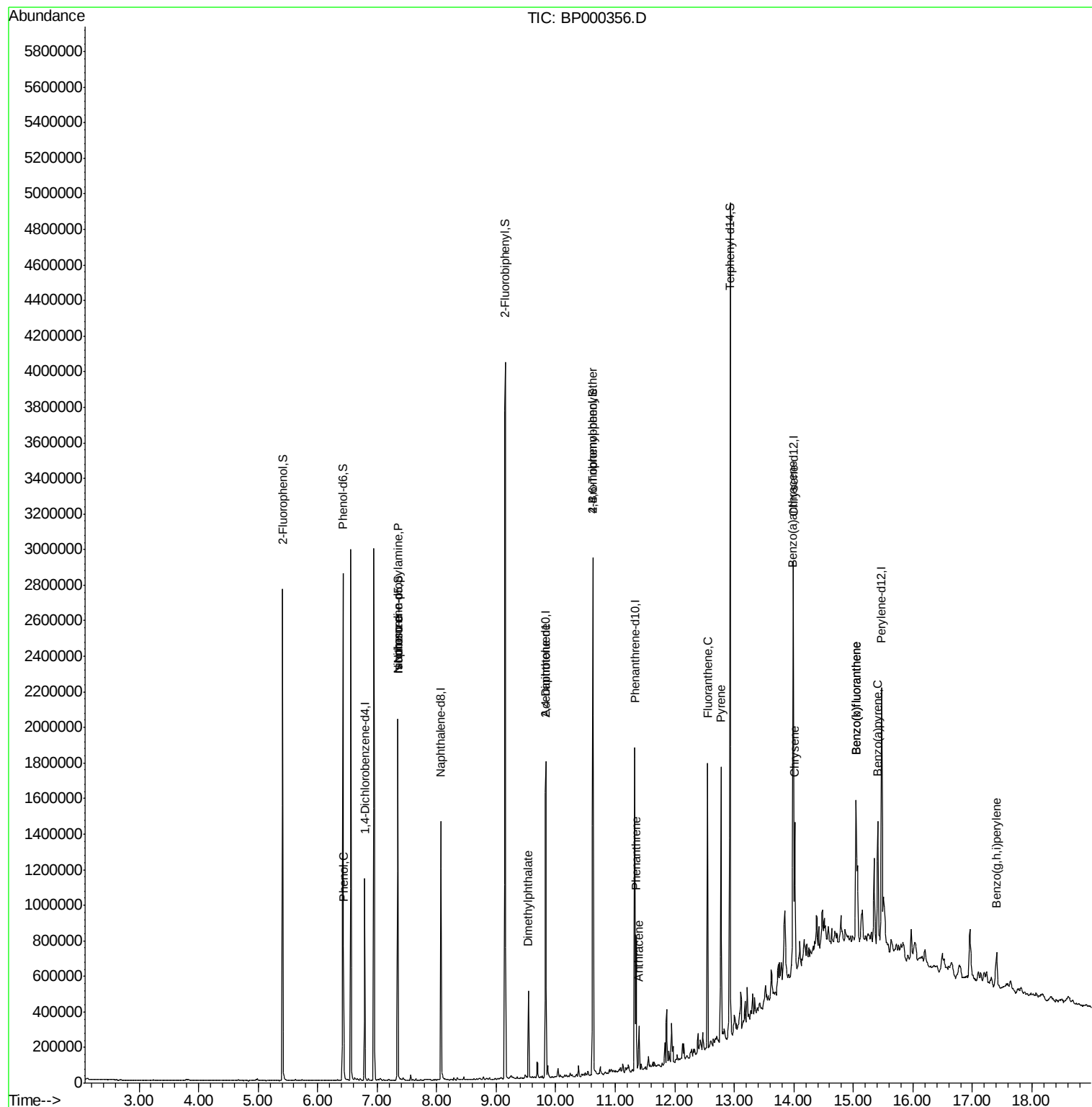
Target Compounds				Qvalue		
9) Benzaldehyde	6.33	77	1310	Below Cal	#	85
10) Phenol	6.44	94	49982	3.582	ng	99
19) n-Nitroso-di-n-propylamine	7.35	70	72017	11.090	ng	# 76
25) Isophorone	7.35	82	577148	29.227	ng	# 63
50) Dimethylphthalate	9.54	163	199131	8.017	ng	99
57) 2,4-Dinitrotoluene	9.83	165	48196	6.750	ng	# 35
67) 4-Bromophenyl-phenylether	10.62	248	24700	3.138	ng	# 1
69) Atrazine	11.02	200	118	Below Cal	#	1
71) Phenanthrene	11.35	178	297080	8.516	ng	98
72) Anthracene	11.40	178	88716	2.471	ng	99
75) Fluoranthene	12.55	202	644635	17.209	ng	95
78) Pvrene	12.78	202	613777	13.113	ng	99
81) Benzo(a)anthracene	13.98	228	358772	9.078	ng	97
83) Chrysene	14.02	228	309569	7.978	ng	97
88) Benzo(b)fluoranthene	15.05	252	614906	14.154	ng	98
89) Benzo(k)fluoranthene	15.05	252	614906	16.226	ng	98
90) Benzo(a)pvrene	15.41	252	333615	8.439	ng	97
92) Benzo(g,h,i)perylene	17.40	276	184379	4.867	ng	95

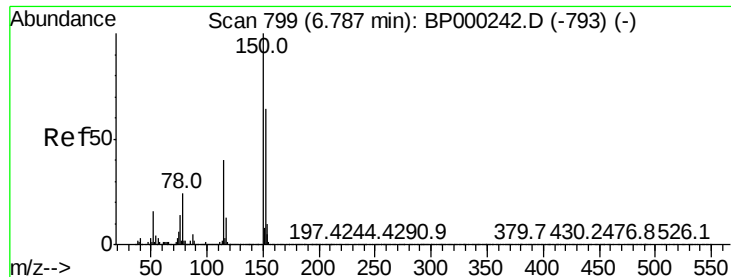
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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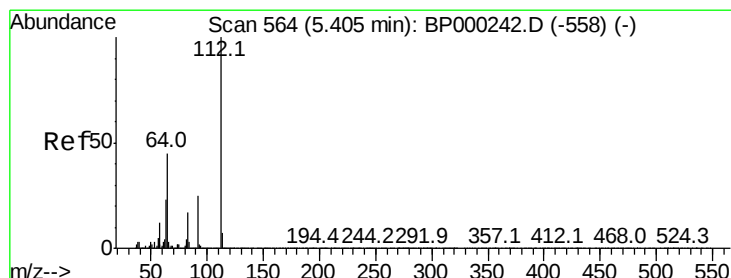
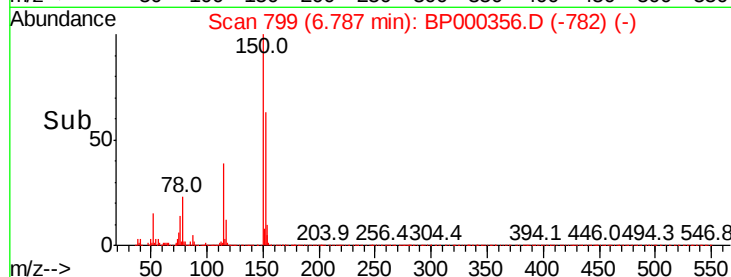
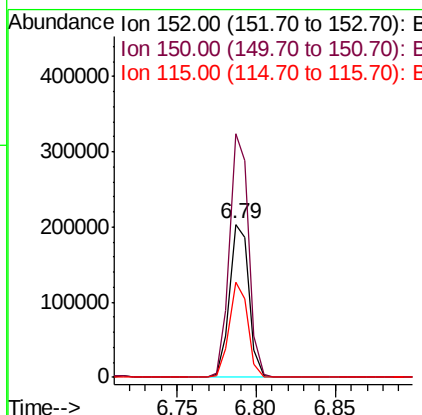
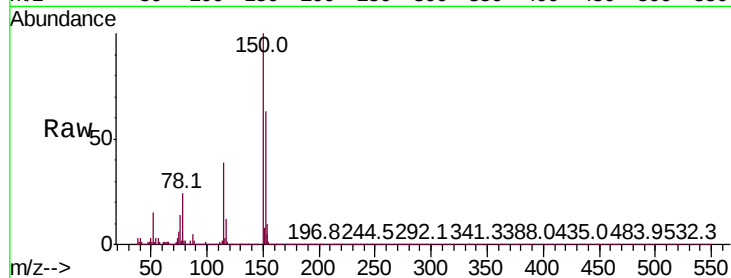


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :

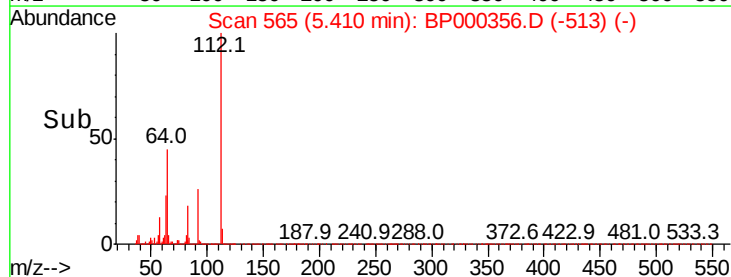
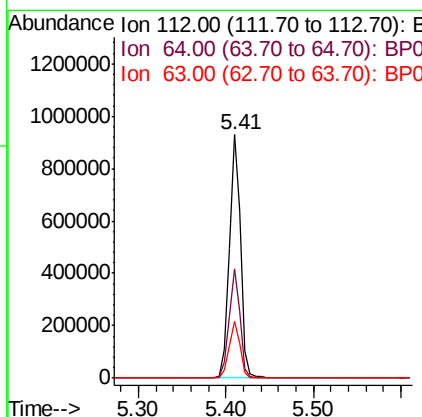
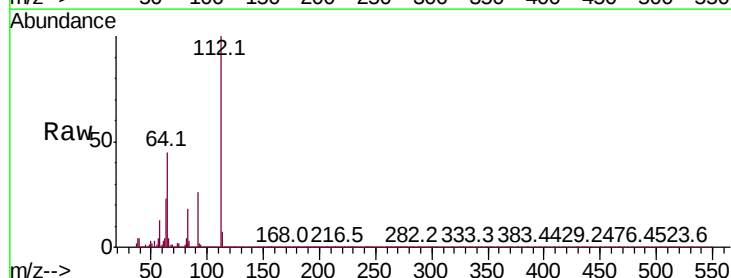
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.2	187.8
115	62.0	49.7	74.5

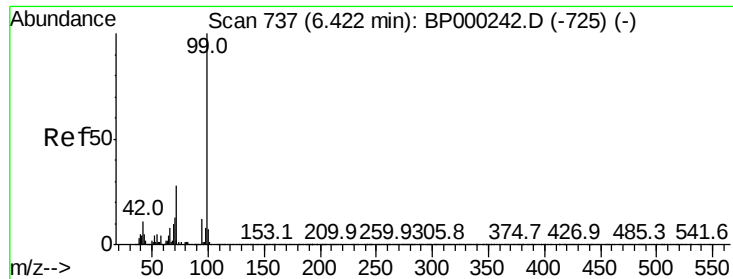


#5

2-Fluorophenol
Concen: 82.205 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	36.2	54.4
63	23.3	18.3	27.5





#7

Phenol-d6

Concen: 85.990 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

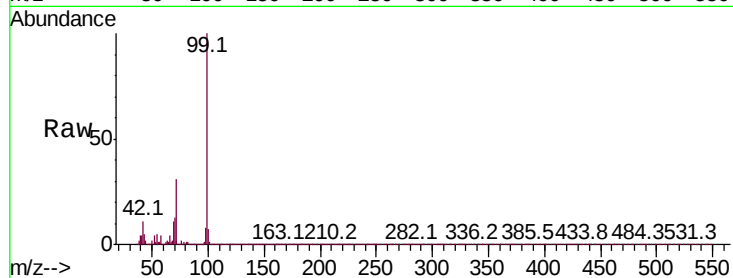
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1056189

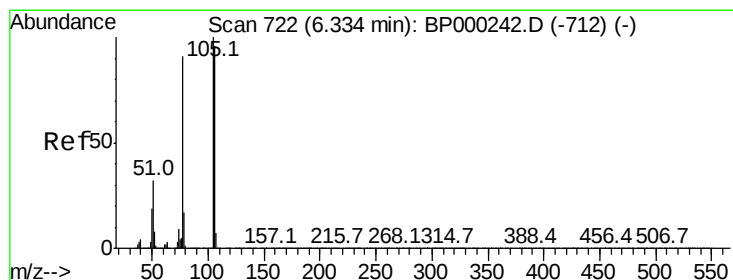
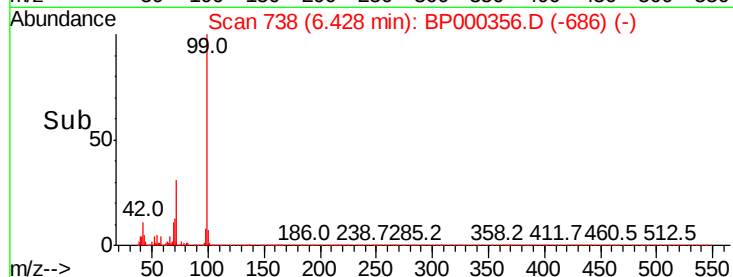
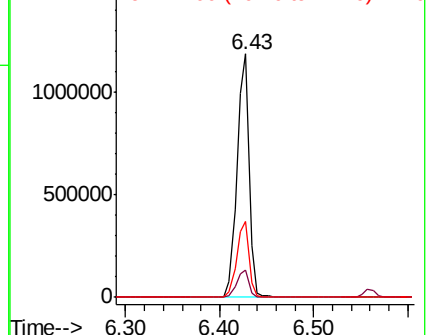
Ion	Ratio	Lower	Upper
99	100		
42	11.0	8.5	12.7
71	31.0	22.6	34.0



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

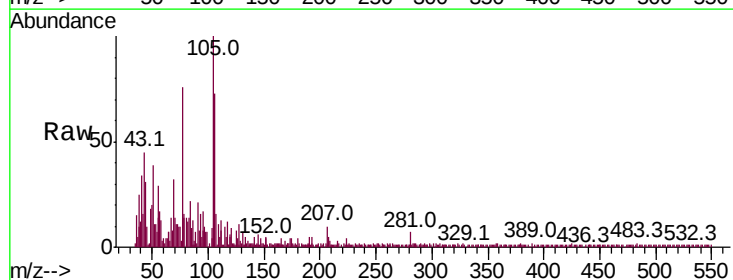
Delta R.T. -0.00 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Tgt Ion: 77 Resp: 1310

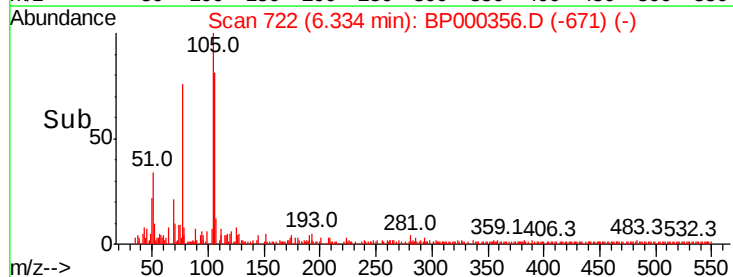
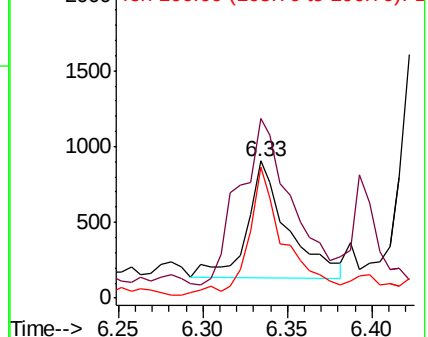
Ion	Ratio	Lower	Upper
77	100		
105	130.8	89.6	129.6#
106	95.2	84.6	124.6

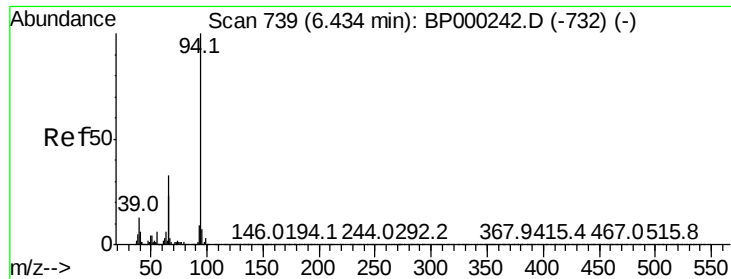


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.582 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampled :

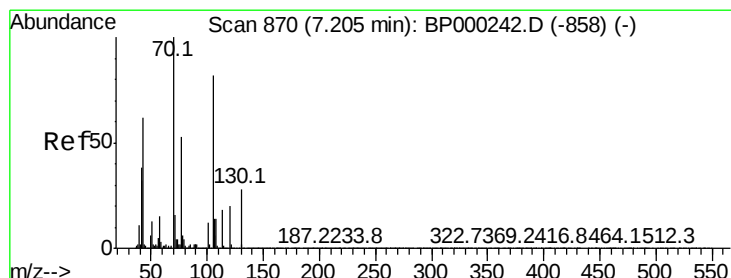
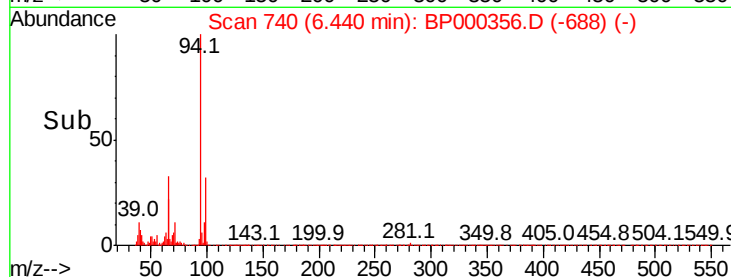
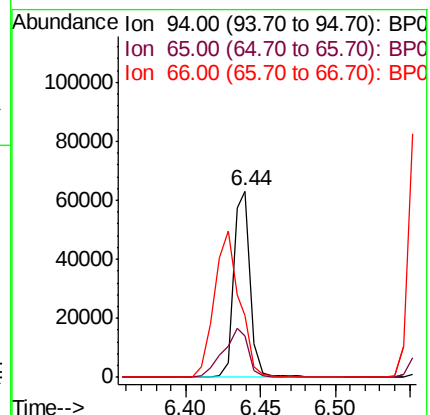
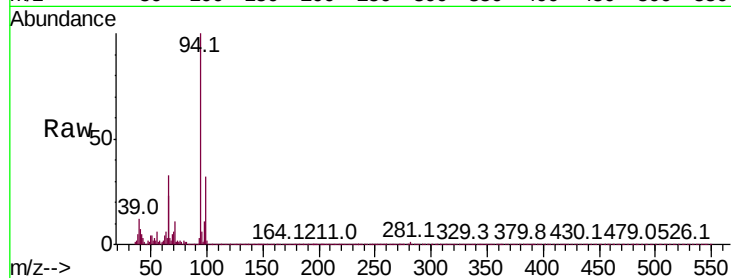
Tot Ion: 94 Resp: 49982

Ion Ratio Lower Upper

94 100

65 22.5 3.3 43.3

66 32.9 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.090 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Tgt Ion: 70 Resp: 72017

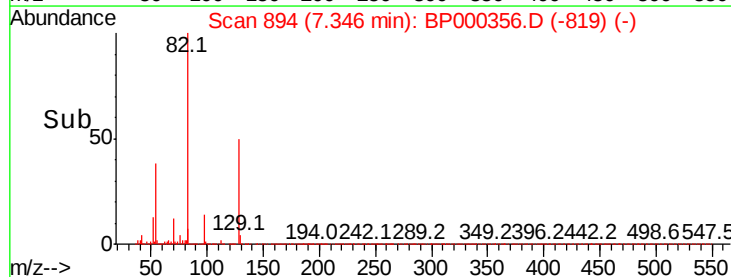
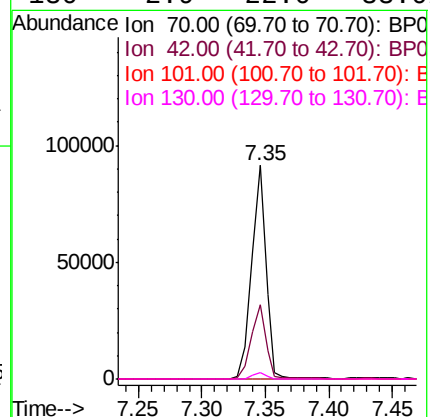
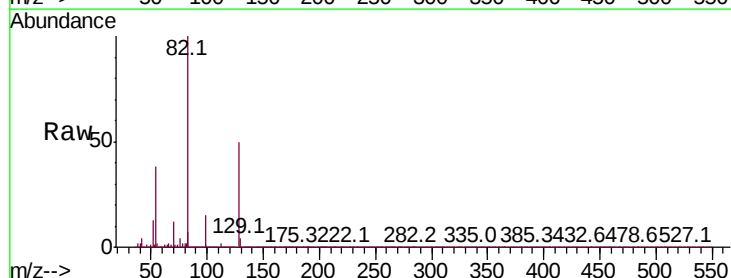
Ion Ratio Lower Upper

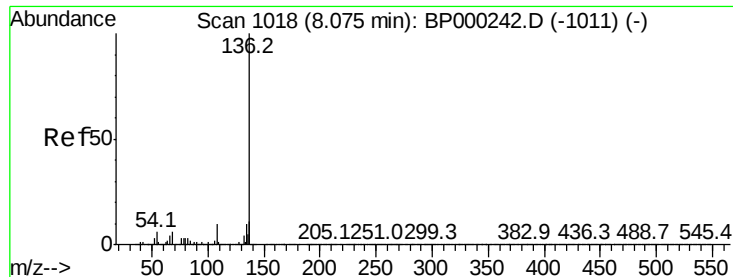
70 100

42 35.0 30.7 46.1

101 0.0 9.6 14.4#

130 2.9 22.0 33.0#

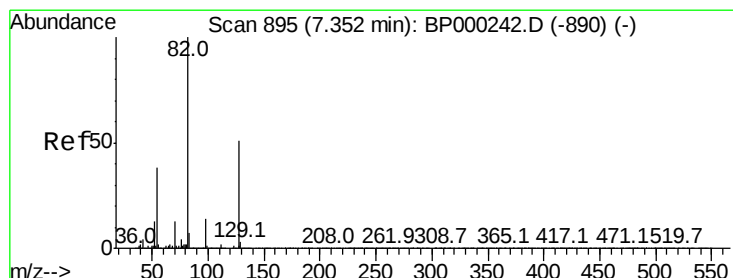
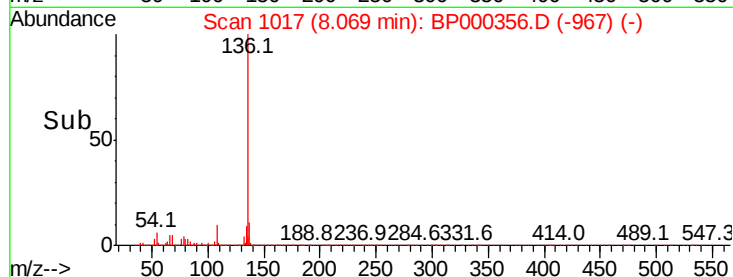
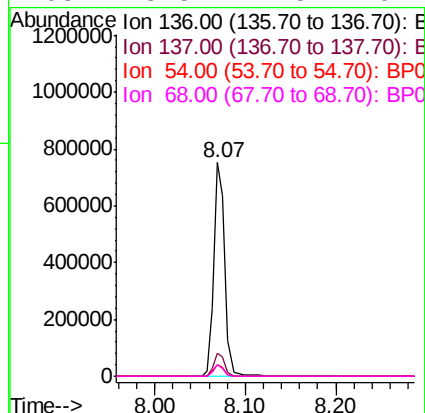
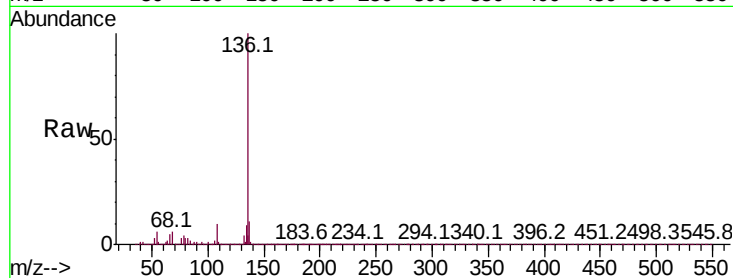




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

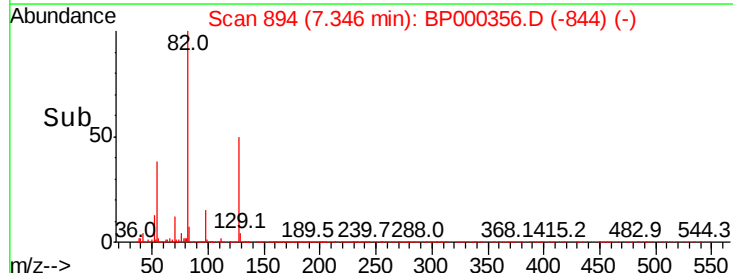
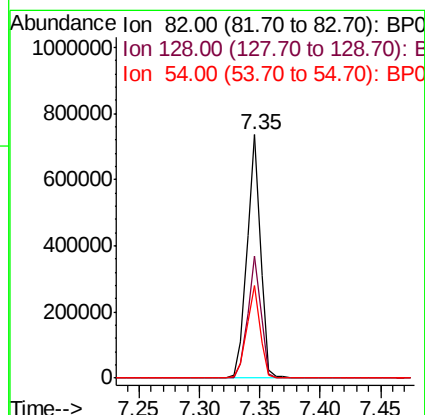
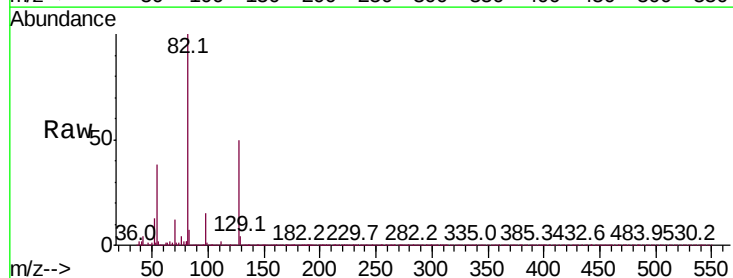
Instrument :
BNA_P
ClientSampled :

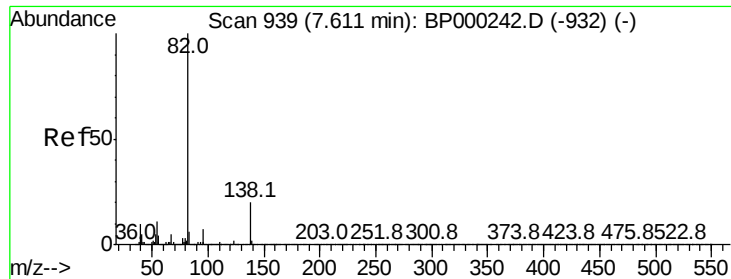
Tot Ion:136	Resp:	643431
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.6	13.0
54 5.6	4.5	6.7
68 5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 57.931 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion: 82	Resp:	577730
Ion Ratio	Lower	Upper
82 100		
128 50.0	40.7	61.1
54 37.8	30.1	45.1

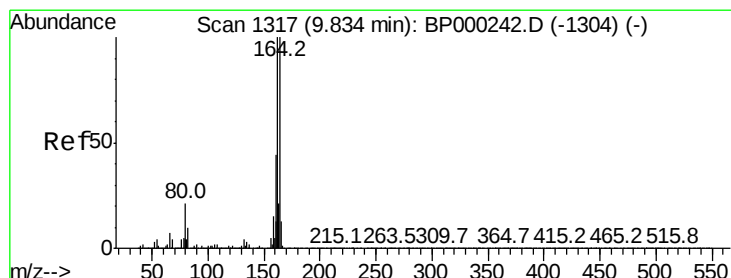
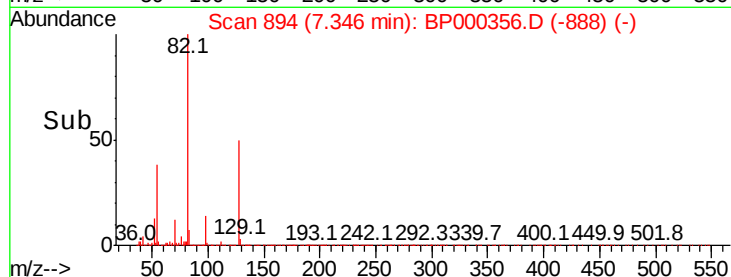
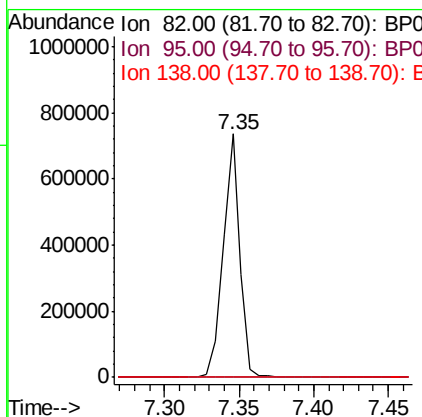
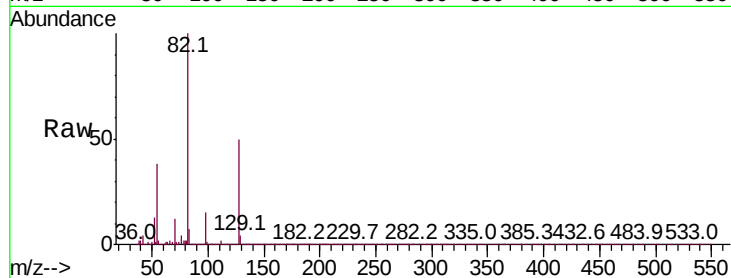




#25
Isophorone
Concen: 29.227 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

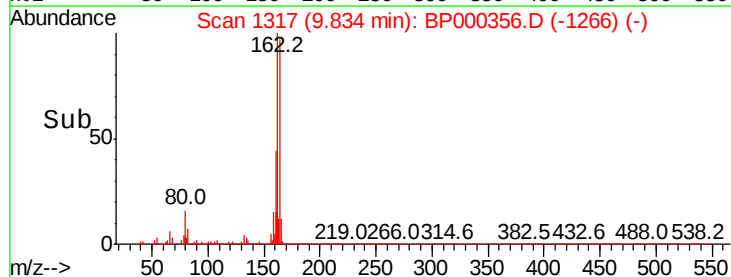
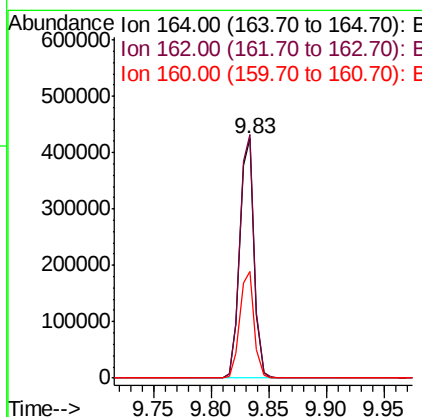
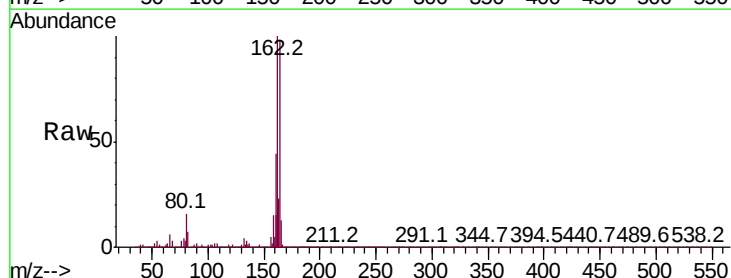
Instrument :
BNA_P
ClientSampleId :

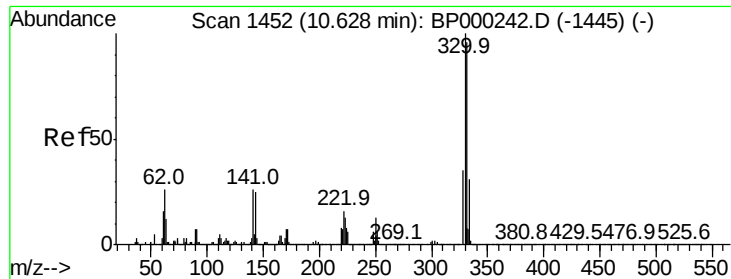
Tot Ion: 82 Resp: 577148
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.9 23.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion: 164 Resp: 364574
Ion Ratio Lower Upper
164 100
162 101.6 79.9 119.9
160 44.7 35.6 53.4

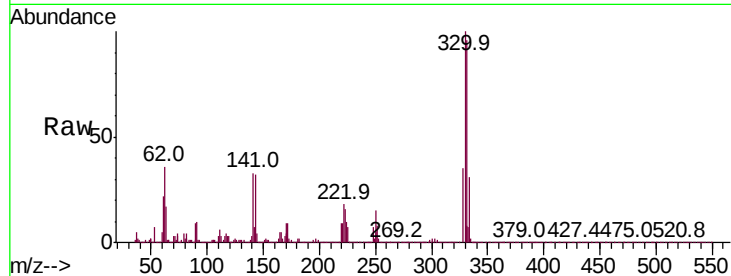




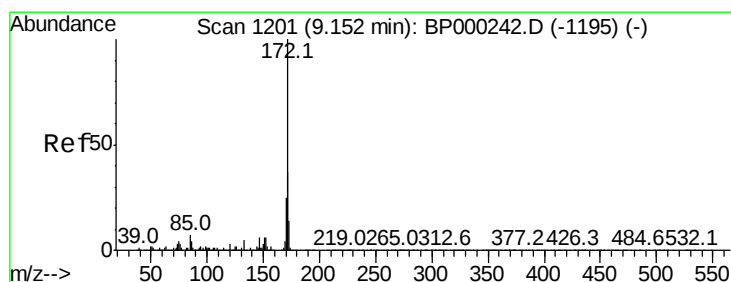
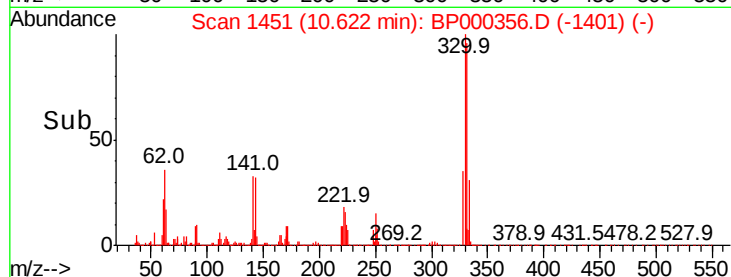
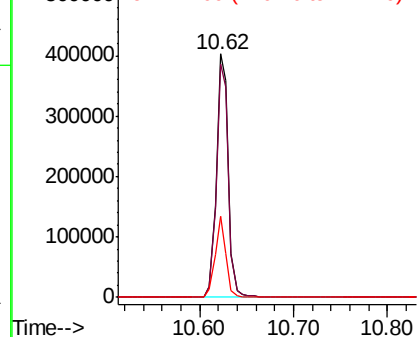
#42
2,4,6-Tribromophenol
Concen: 101.660 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 367610
Ion Ratio Lower Upper
330 100
332 96.6 76.6 115.0
141 29.8 26.5 39.7

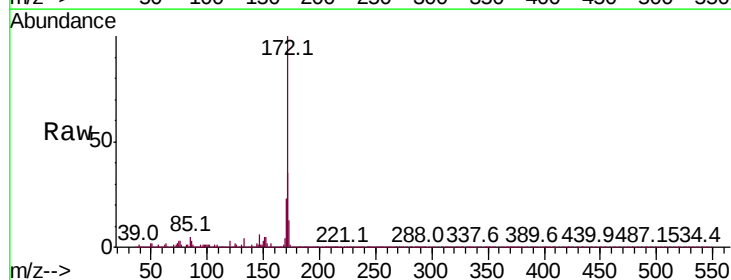


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

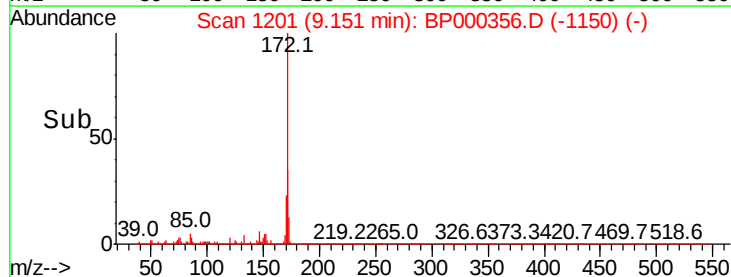
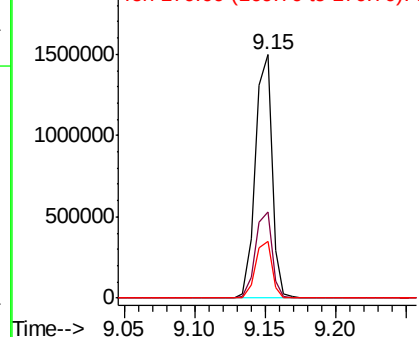


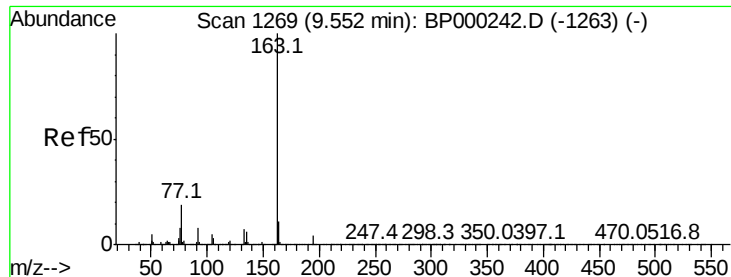
#45
2-Fluorobiphenyl
Concen: 61.698 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion:172 Resp: 1249767
Ion Ratio Lower Upper
172 100
171 35.4 29.8 44.6
170 23.2 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: 8.017 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP000356.D

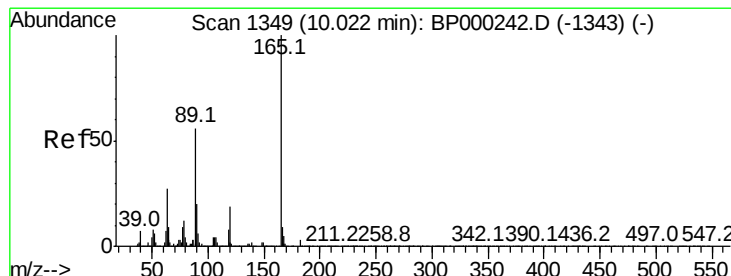
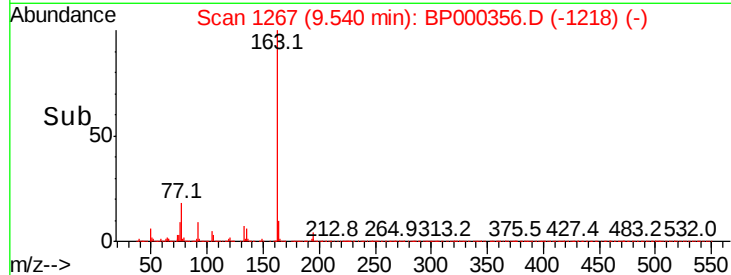
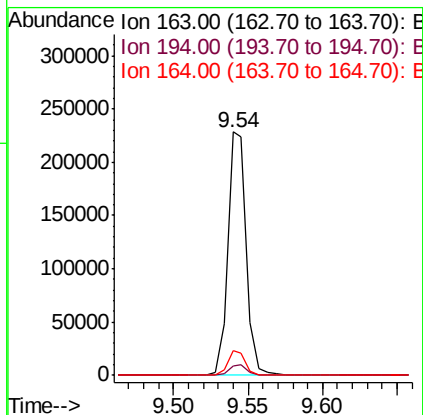
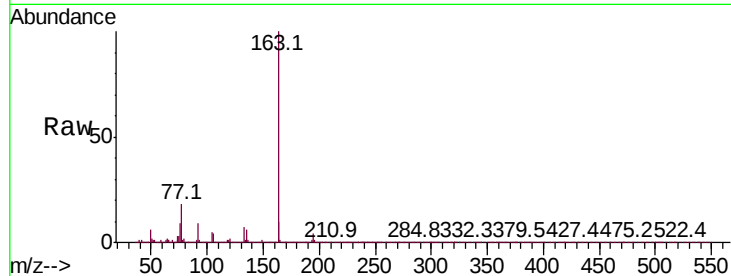
Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	163	Resp:	199131
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	10.2	8.5	12.7



#57

2,4-Dinitrotoluene

Concen: 6.750 ng

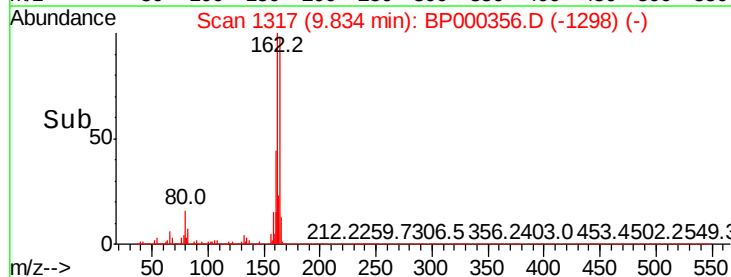
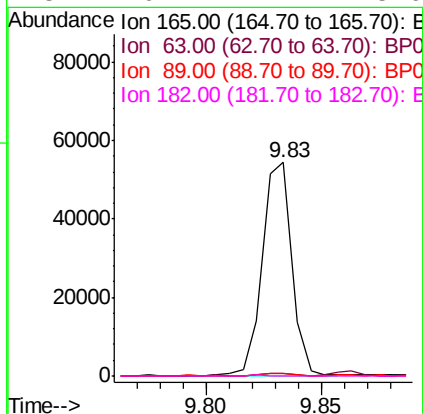
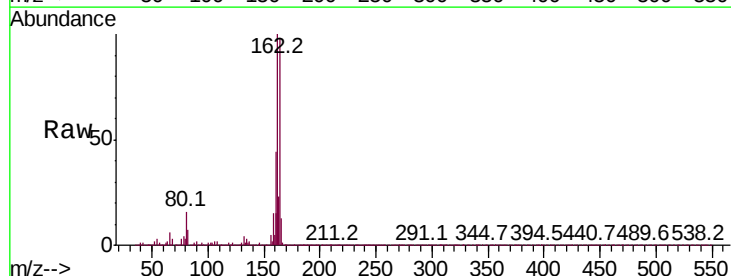
RT: 9.83 min Scan# 1317

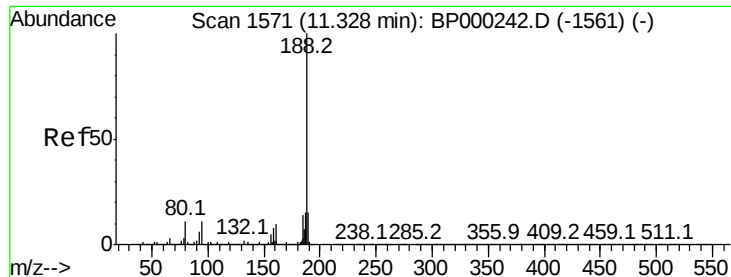
Delta R.T. -0.19 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Tgt Ion:	165	Resp:	48196
Ion Ratio	Lower	Upper	
165	100		
63	1.1	21.7	32.5#
89	1.5	45.0	67.6#
182	0.1	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampled :

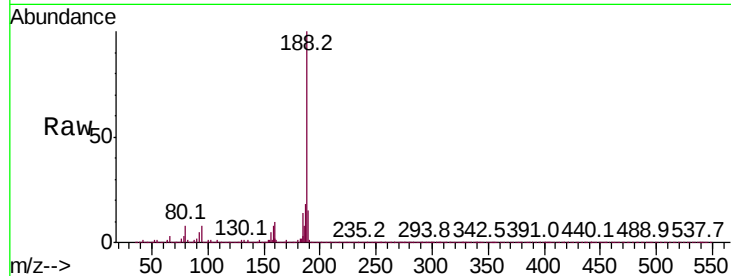
Tot Ion:188 Resp: 696128

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

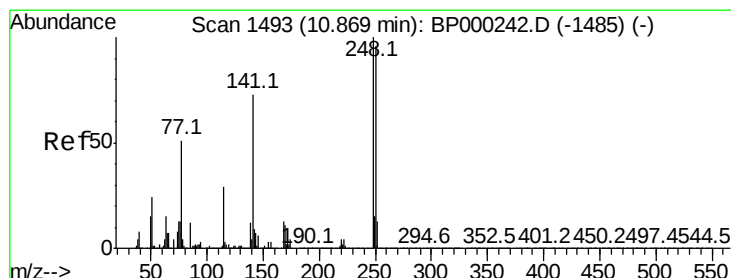
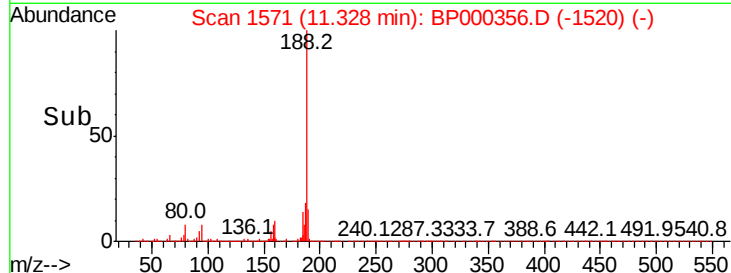
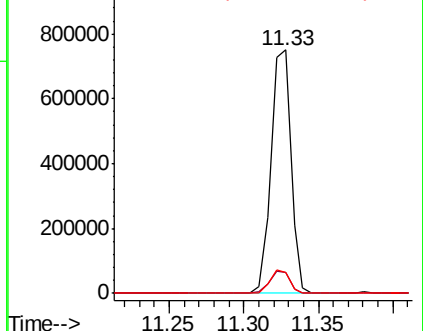
80 8.4 8.6 13.0#



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



#67

4-Bromophenyl-phenylether

Concen: 3.138 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

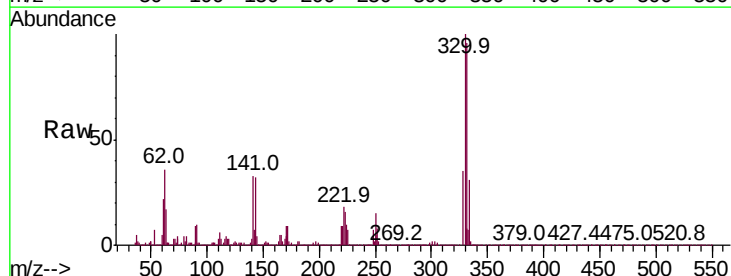
Tgt Ion:248 Resp: 24700

Ion Ratio Lower Upper

248 100

250 210.5 77.0 115.4#

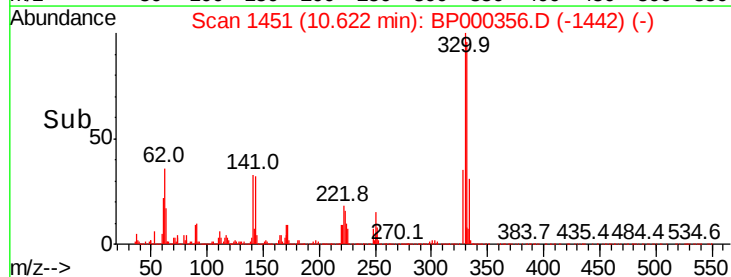
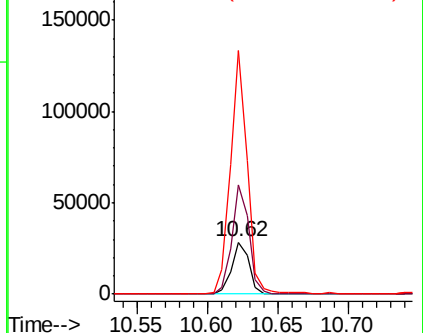
141 469.7 58.5 87.7#

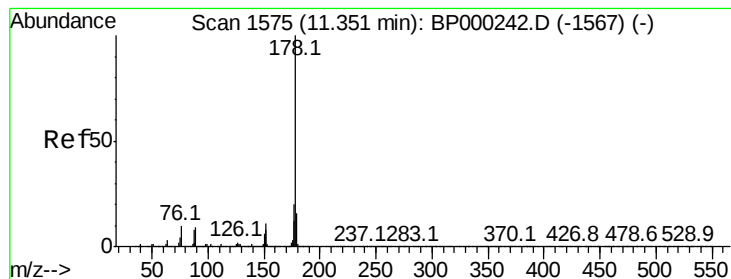


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 8.516 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

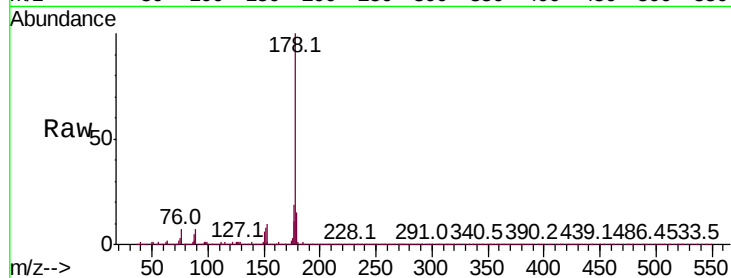
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 297080

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.5	12.7	19.1

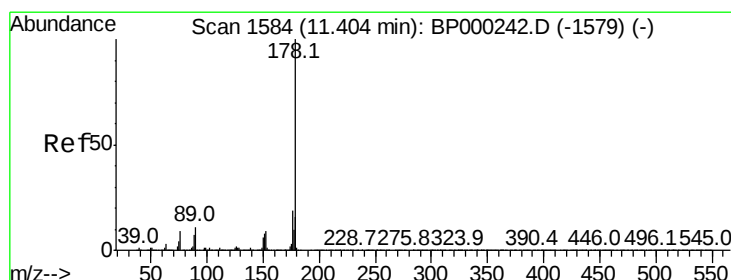
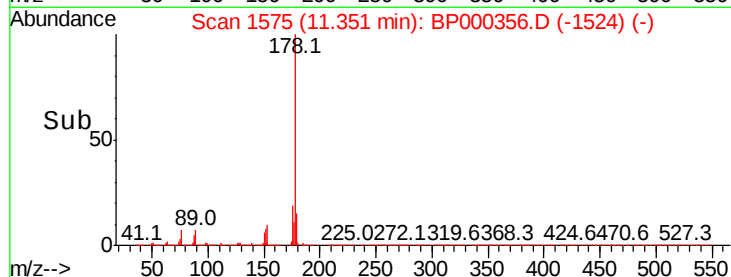
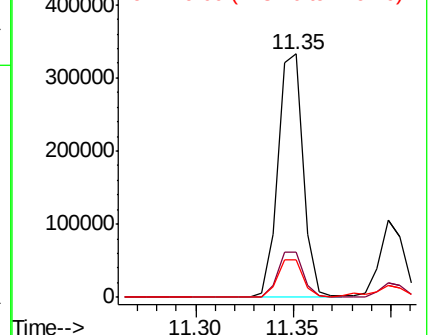


Abundance

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: 2.471 ng

RT: 11.40 min Scan# 1583

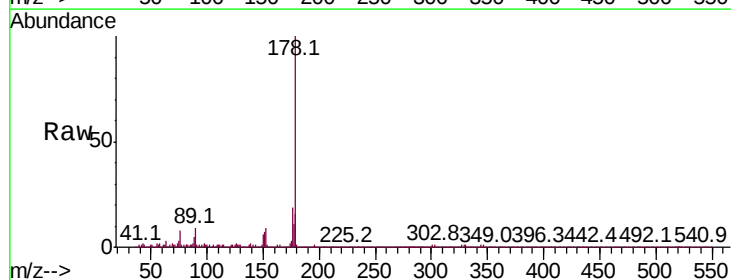
Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Tgt Ion:178 Resp: 88716

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.6	12.7	19.1

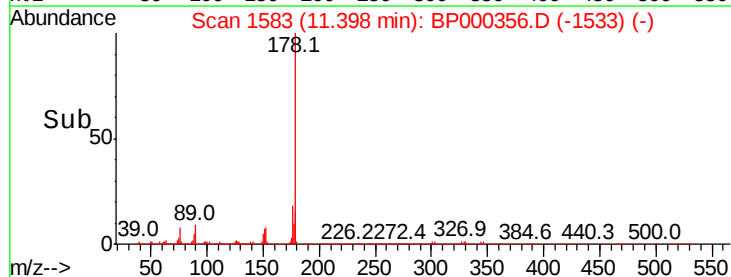
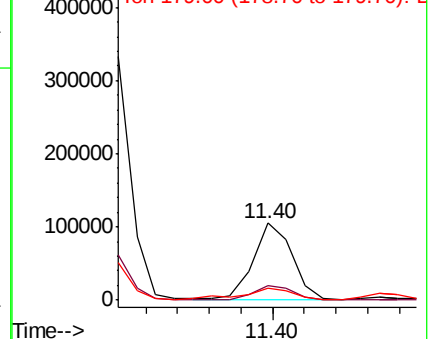


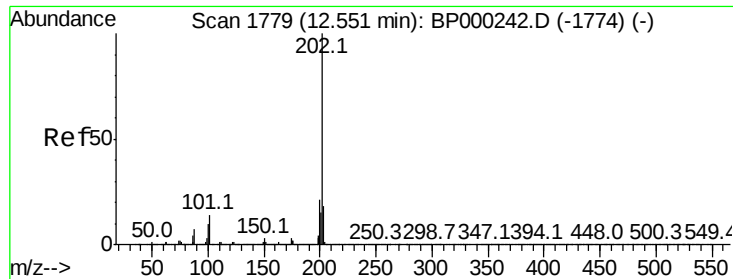
Abundance

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





#75

Fluoranthene

Concen: 17.209 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000356.D

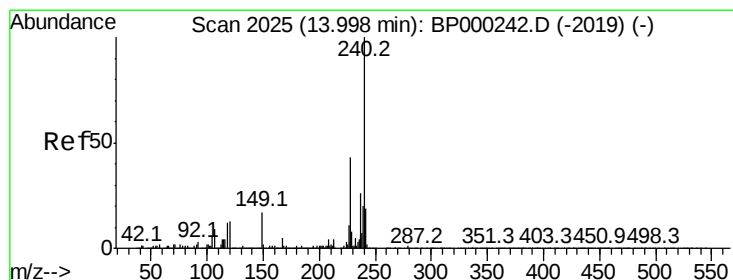
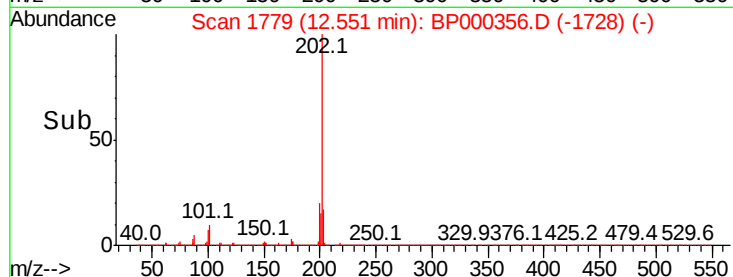
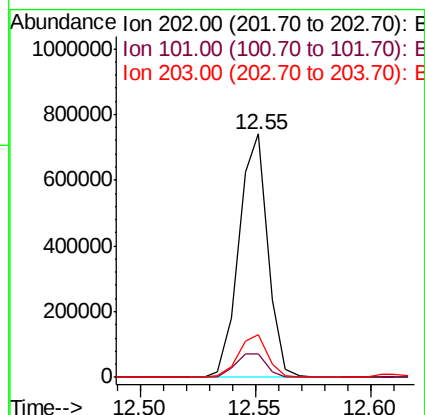
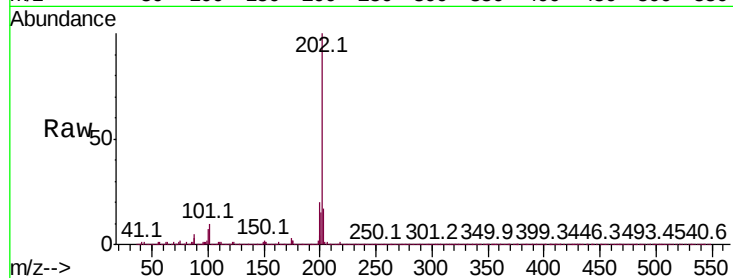
Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	644635
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	33.9
203	17.3	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

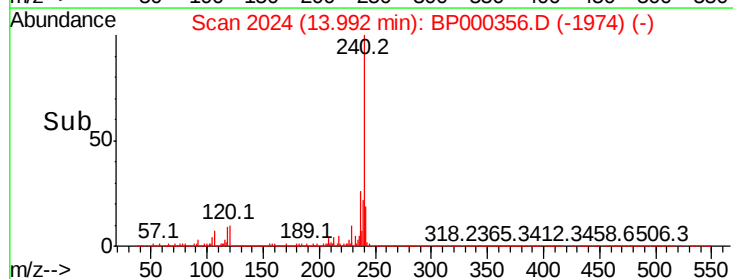
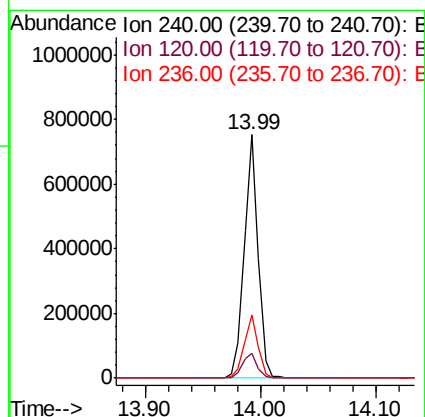
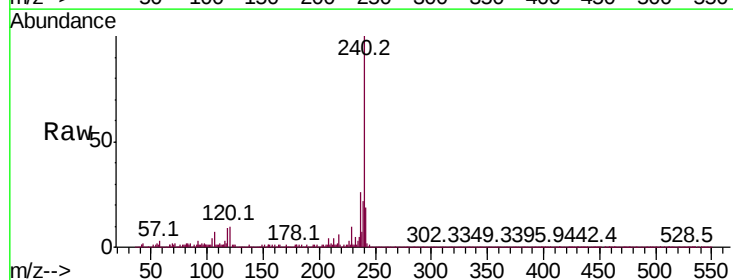
RT: 13.99 min Scan# 2024

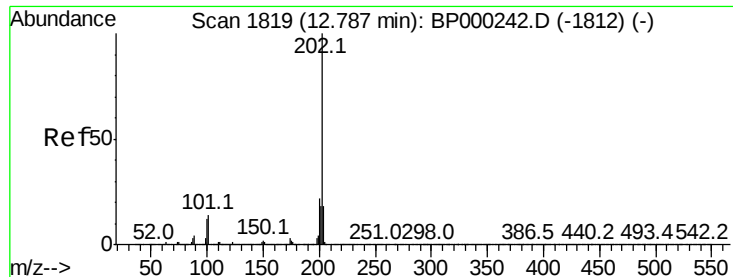
Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Tgt Ion:	240	Resp:	625638
Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.4	15.6#
236	26.1	21.0	31.6





#78

Pvrene

Concen: 13.113 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampleId :

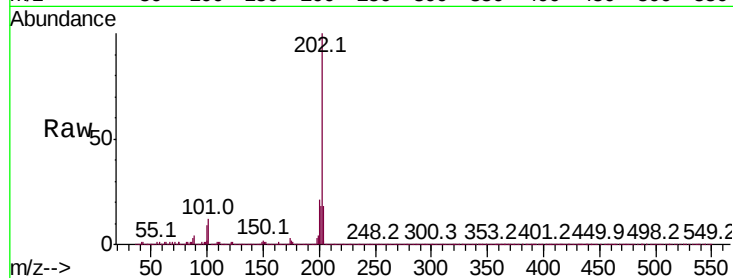
Tot Ion:202 Resp: 613777

Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

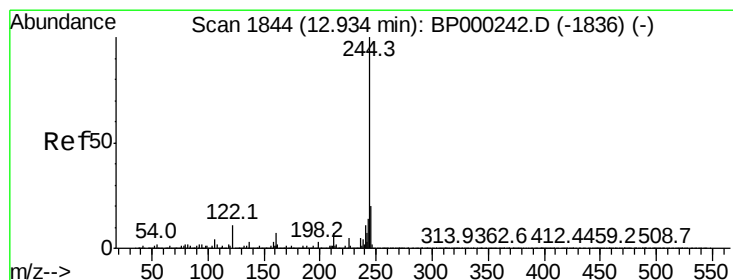
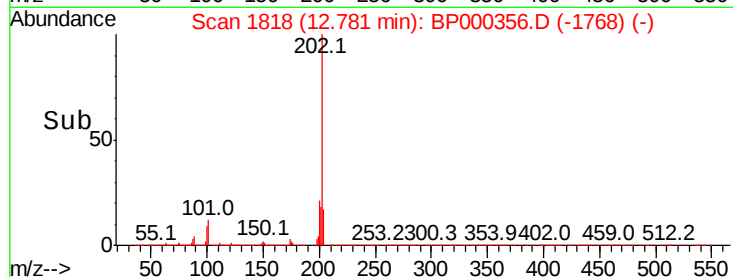
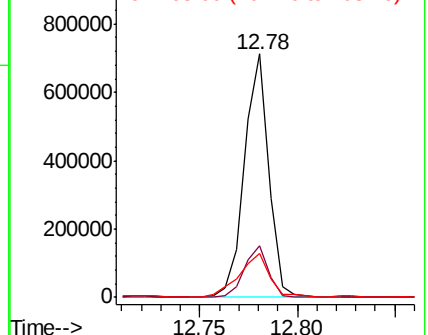
203 17.9 14.3 21.5



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: 51.199 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

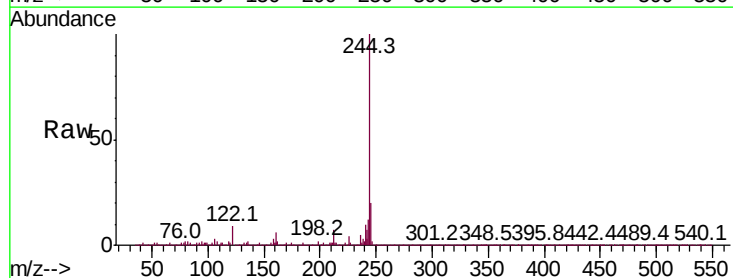
Tgt Ion:244 Resp: 1526895

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

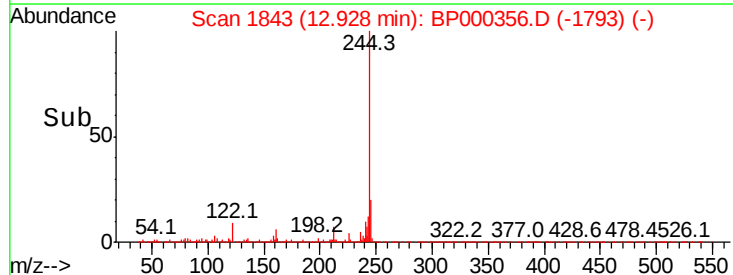
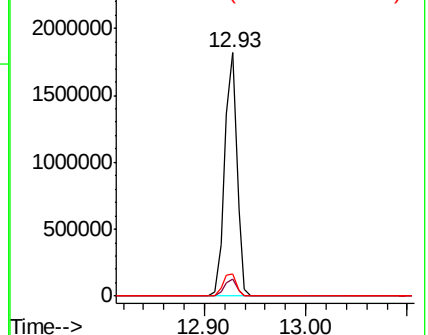
122 9.1 9.0 13.4

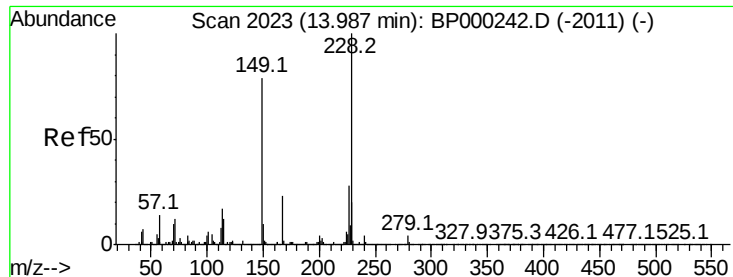


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

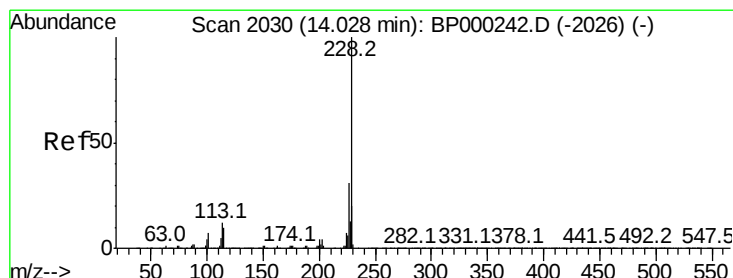
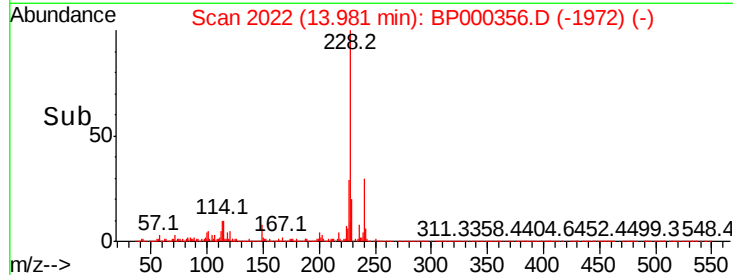
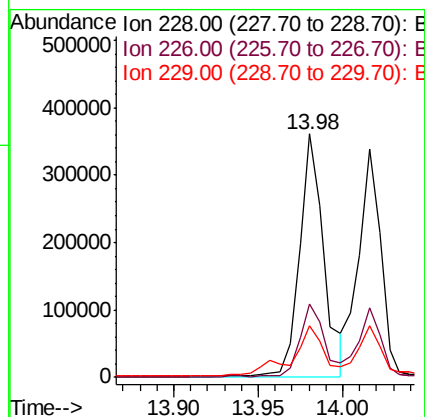
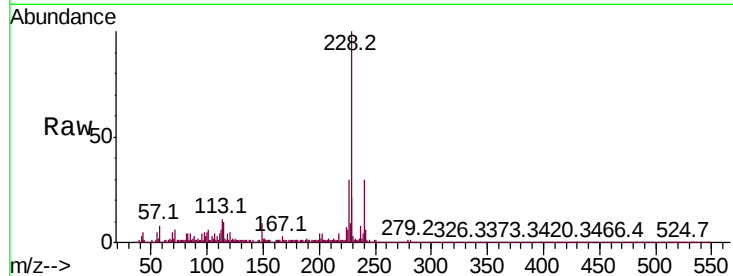




#81
Benzo(a)anthracene
Concen: 9.078 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

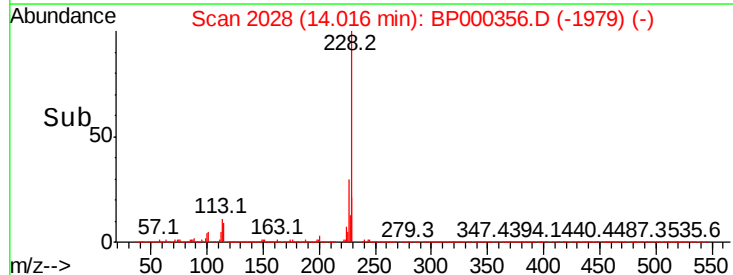
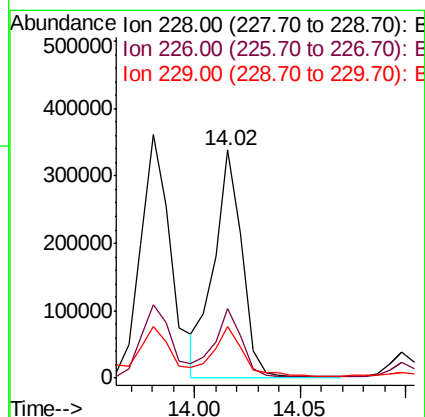
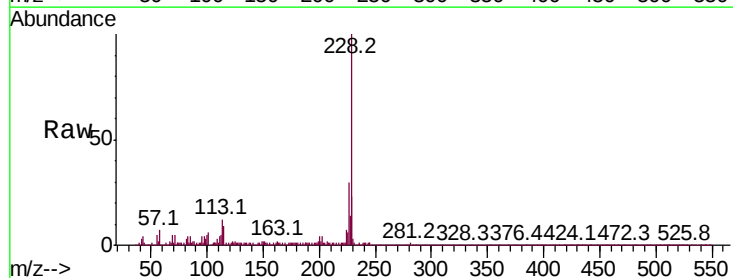
Instrument :
BNA_P
ClientSampleId :

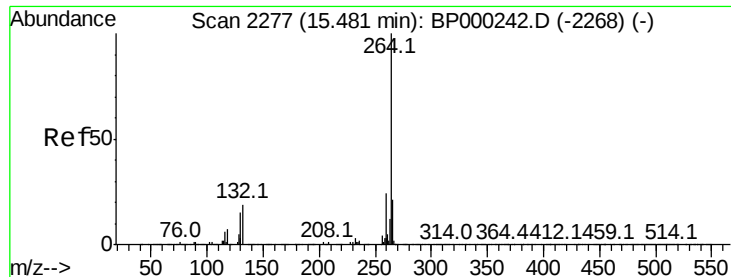
Tot Ion:228 Resp: 358772
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.4
229 21.1 16.0 24.0



#83
Chrysene
Concen: 7.978 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion:228 Resp: 309569
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 22.6 16.2 24.2

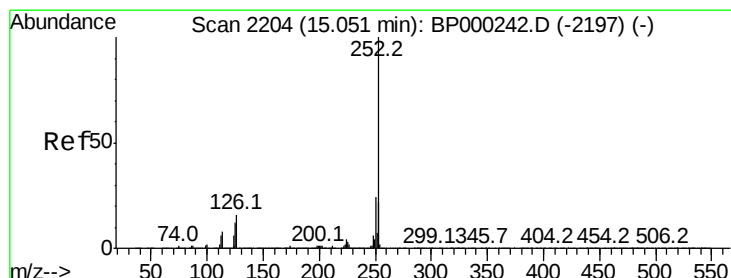
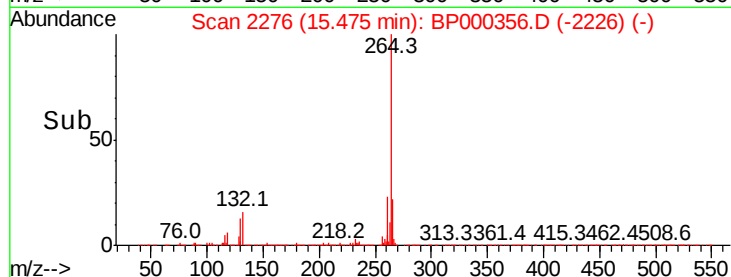
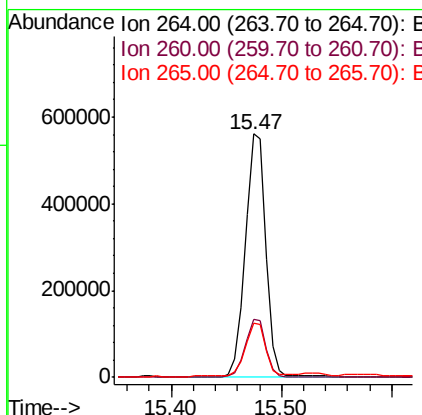
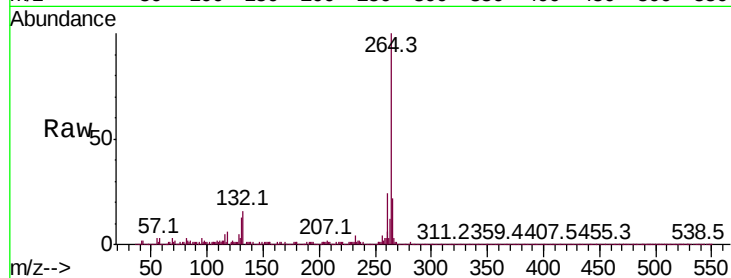




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

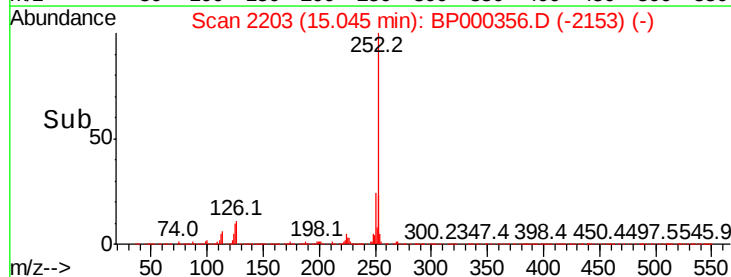
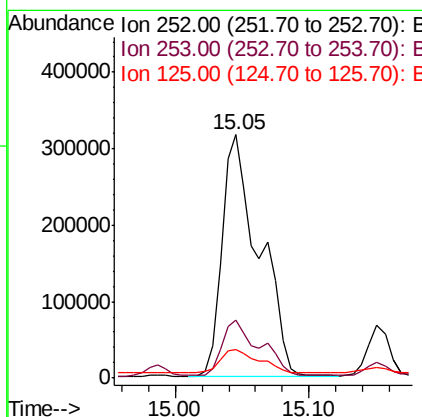
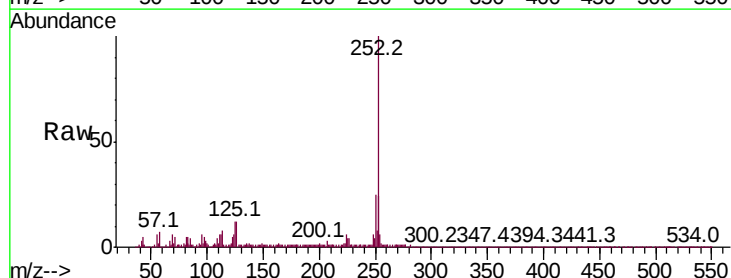
Instrument :
BNA_P
ClientSampleId :

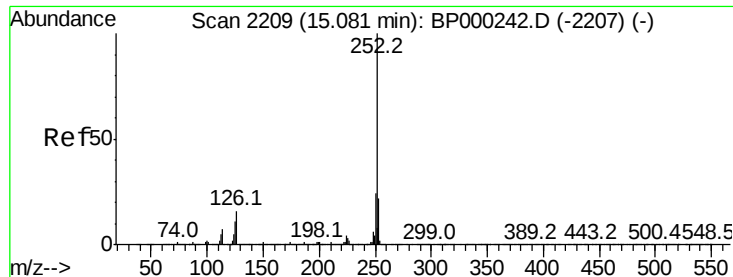
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 14.154 ng
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.0	9.5	14.3





#89

Benzo(k)fluoranthene

Concen: 16.226 ng

RT: 15.05 min Scan# 2203

Delta R.T. -0.04 min

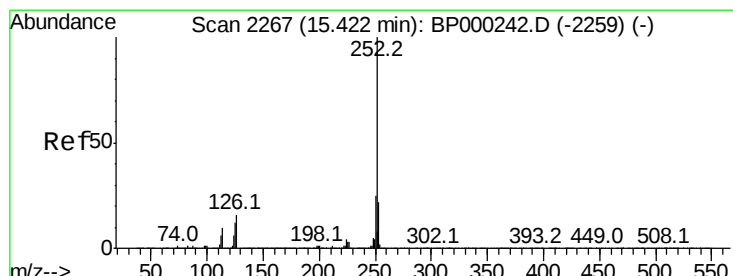
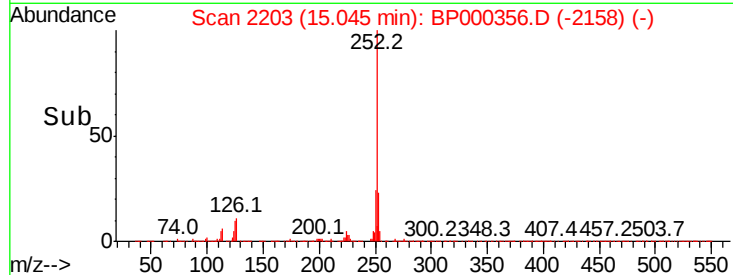
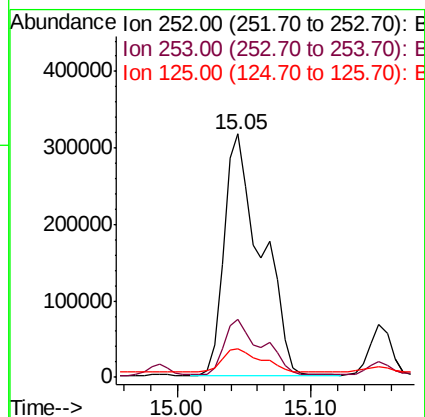
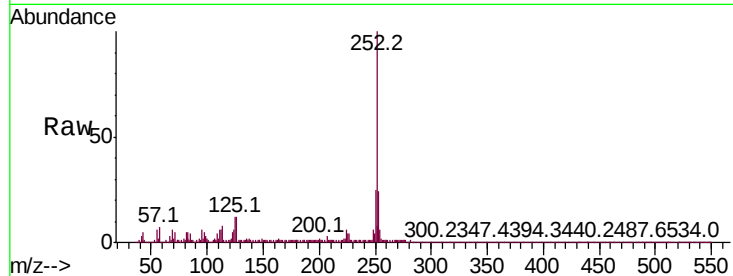
Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 614906

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.0	9.6	14.4



#90

Benzo(a)pyrene

Concen: 8.439 ng

RT: 15.41 min Scan# 2265

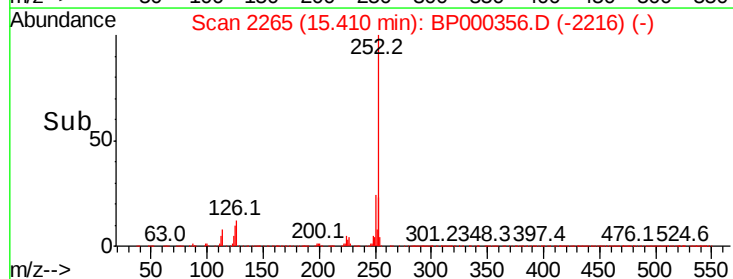
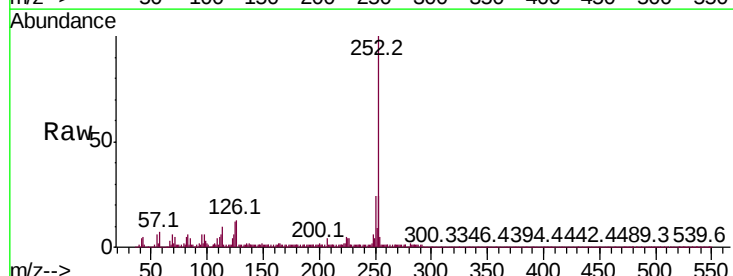
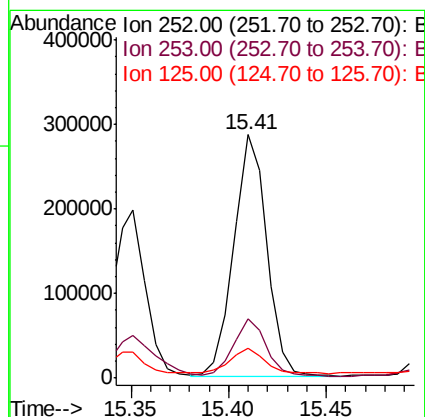
Delta R.T. -0.01 min

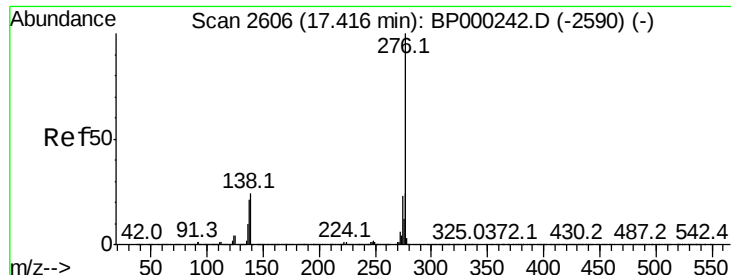
Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Tgt Ion:252 Resp: 333615

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	12.2	10.0	15.0





#92

Benzo(a,h,i)perylene

Concen: 4.867 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampleId :

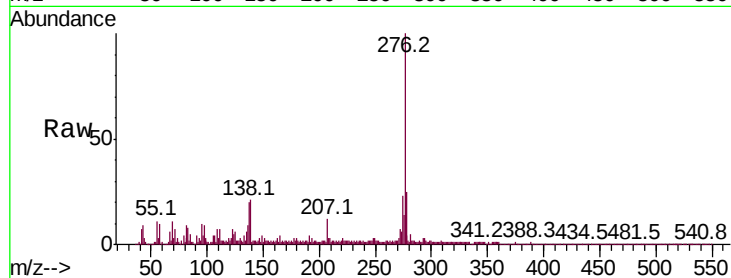
Tot Ion: 276 Resp: 184379

Ion Ratio Lower Upper

276 100

277 25.1 19.1 28.7

138 20.8 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

