

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000252.D
 Acq On : 16 Sep 2019 21:36
 Operator : HP/JU
 Sample : K4878-26
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-1

Quant Time: Sep 17 06:11:57 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	337722	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1216182	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	652127	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1133288	20.00	ng	0.00
76) Chrysene-d12	13.99	240	835246	20.00	ng	0.00
87) Perylene-d12	15.48	264	1012104	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1964333	100.41	ng	0.00
7) Phenol-d6	6.42	99	2505932	104.50	ng	0.00
23) Nitrobenzene-d5	7.35	82	1427823	75.75	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	749235	115.83	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2988858	82.49	ng	0.00
79) Terphenyl-d14	12.93	244	3128563	78.58	ng	0.00

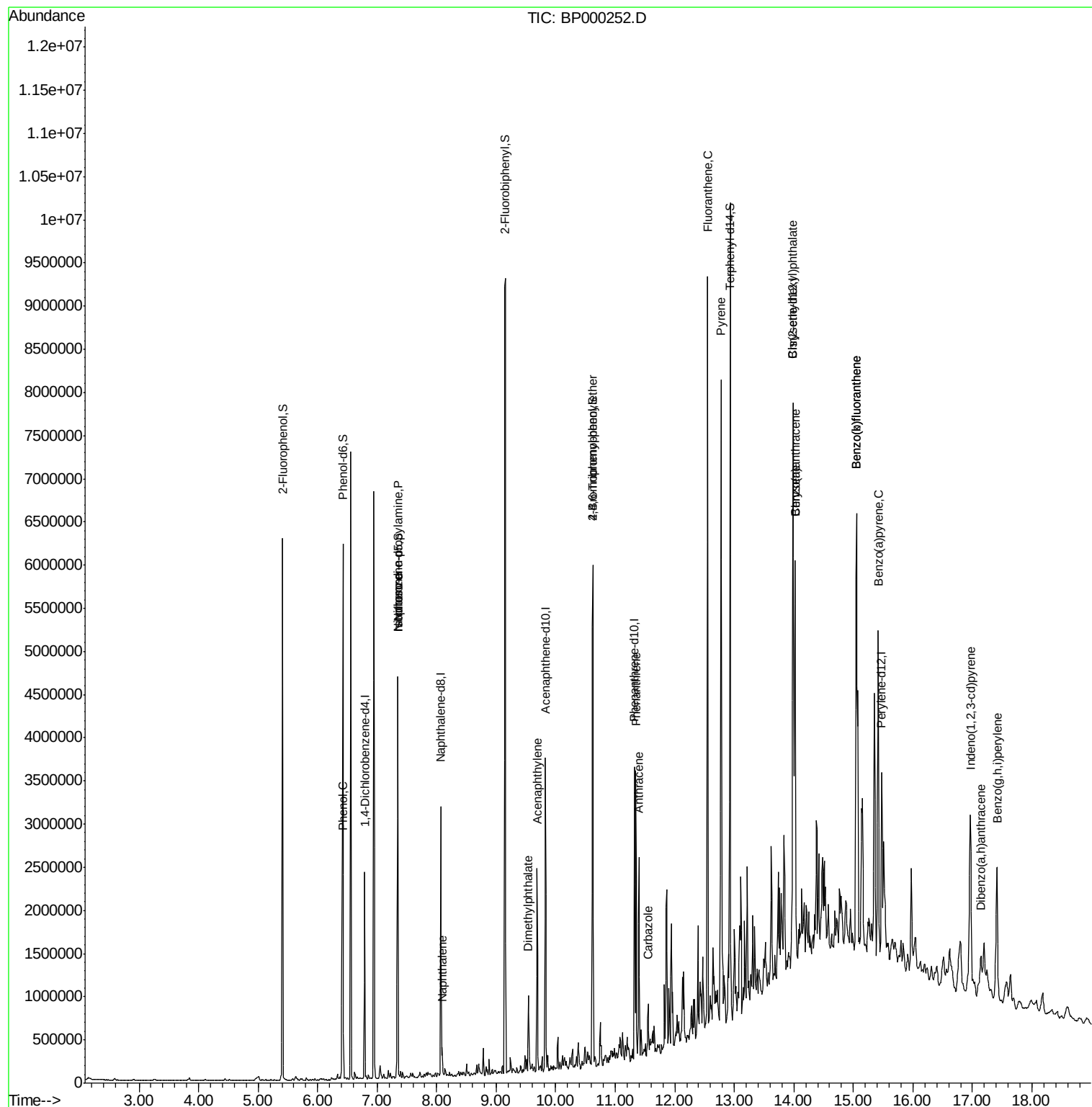
Target Compounds				Qvalue		
9) Benzaldehyde	6.33	77	7538	Below Cal		96
10) Phenol	6.43	94	147710	5.422 ng		95
19) n-Nitroso-di-n-propylamine	7.35	70	179372	14.148 ng	#	75
25) Isophorone	7.35	82	1424021	38.152 ng	#	63
31) Naphthalene	8.09	128	134767	2.393 ng		99
49) Acenaphthylene	9.69	152	893782	15.712 ng		99
50) Dimethylphthalate	9.54	163	274935	6.188 ng		99
67) 4-Bromophenyl-phenylether	10.62	248	51051	3.984 ng	#	1
69) Atrazine	11.02	200	1428	Below Cal	#	61
71) Phenanthrene	11.35	178	1161277	20.448 ng		99
72) Anthracene	11.40	178	826990	14.147 ng		98
73) Carbazole	11.55	167	225309	4.280 ng		99
75) Fluoranthene	12.55	202	3396222	55.692 ng		98
78) Pyrene	12.78	202	3179370	50.878 ng		99
81) Benzo(a)anthracene	14.02	228	1951056	36.980 ng		94
83) Chrysene	14.02	228	1951056	37.663 ng		98
84) Bis(2-ethylhexyl)phthalate	13.98	149	179474	5.207 ng		98
86) Indeno(1,2,3-cd)pyrene	16.96	276	1442548	22.845 ng		94
88) Benzo(b)fluoranthene	15.05	252	4023123	66.632 ng		98
89) Benzo(k)fluoranthene	15.05	252	4023123	76.387 ng		98
90) Benzo(a)pyrene	15.42	252	1846814	33.616 ng		97
91) Dibenzo(a,h)anthracene	17.14	278	280251	5.471 ng		95
92) Benzo(g,h,i)perylene	17.42	276	1267390	24.072 ng		98

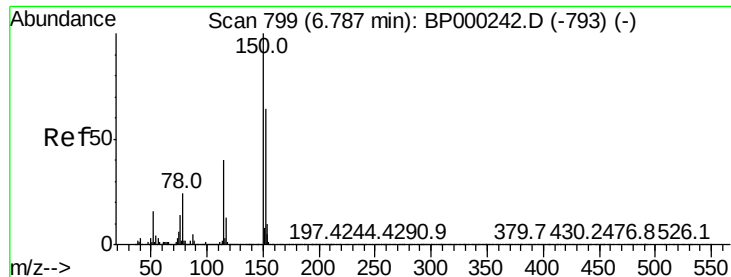
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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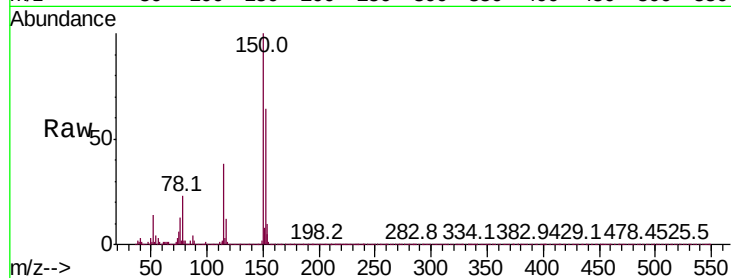


#1

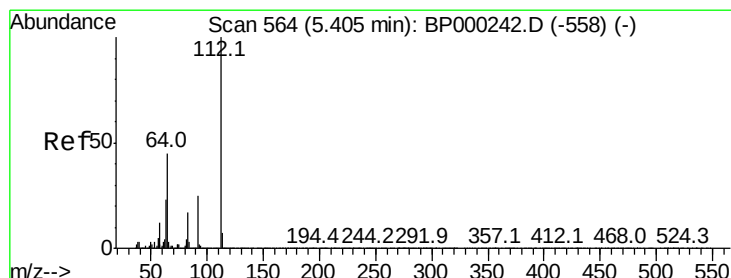
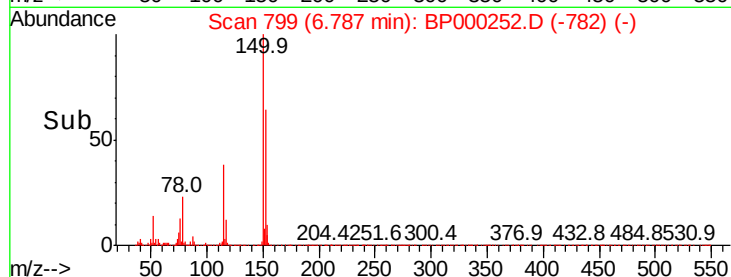
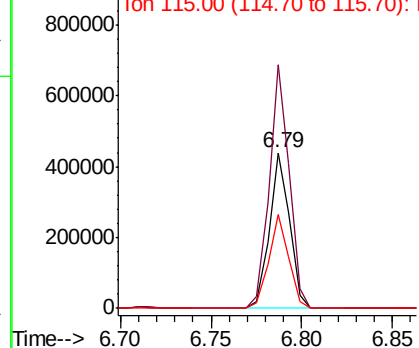
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion:152 Resp: 337722
Ion Ratio Lower Upper
152 100
150 156.6 125.2 187.8
115 60.1 49.7 74.5



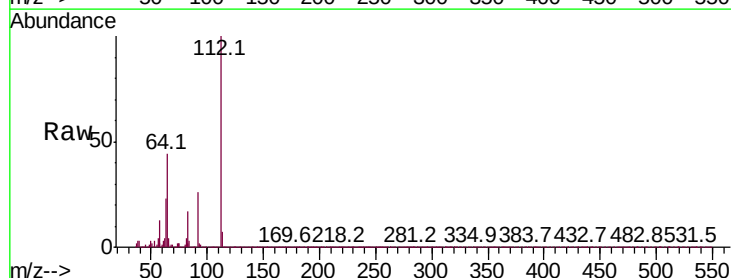
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



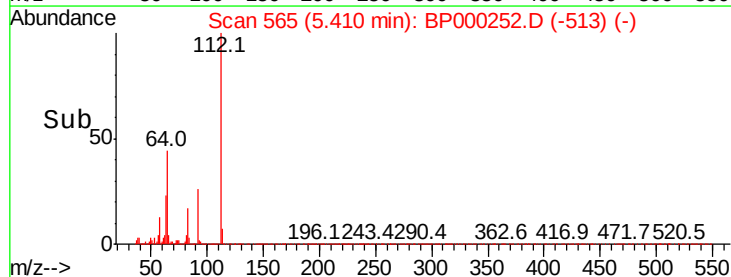
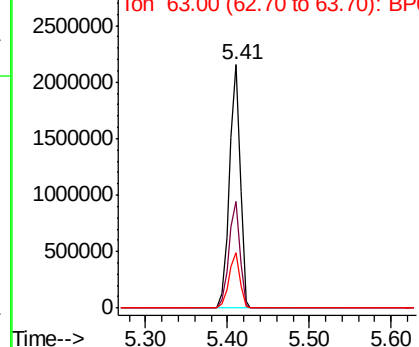
#5

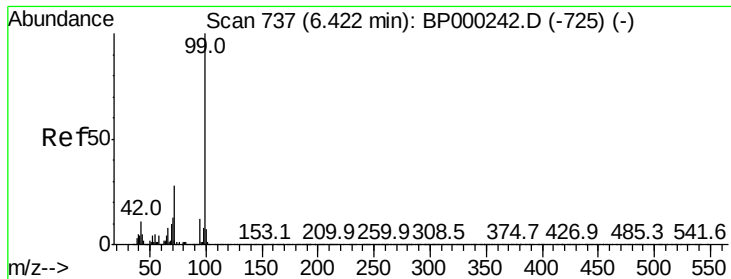
2-Fluorophenol
Concen: 100.412 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion:112 Resp: 1964333
Ion Ratio Lower Upper
112 100
64 43.6 36.2 54.4
63 22.7 18.3 27.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 104.502 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

ClientSampleId :

CSA-2-1

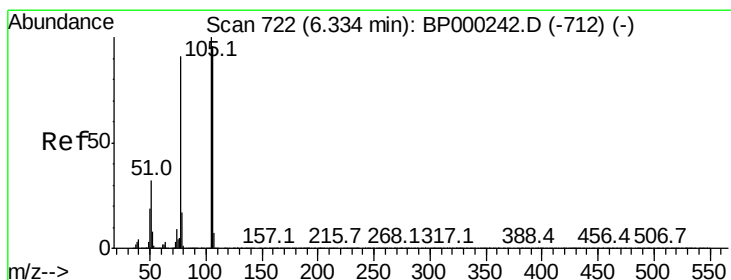
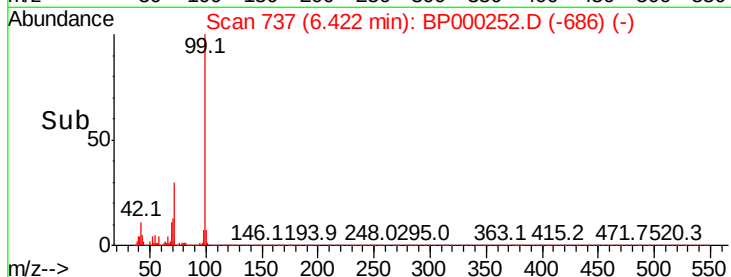
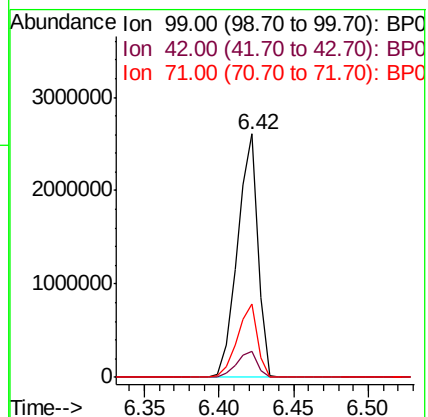
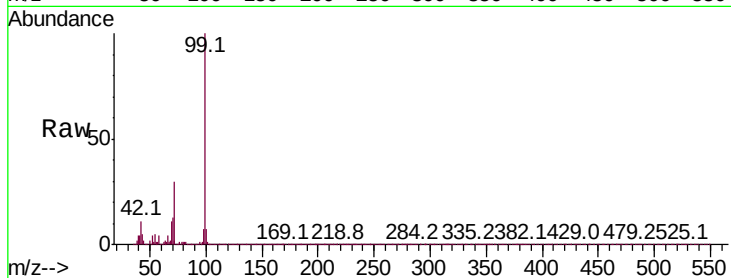
Tot Ion: 99 Resp: 2505932

Ion Ratio Lower Upper

99 100

42 10.9 8.5 12.7

71 29.9 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

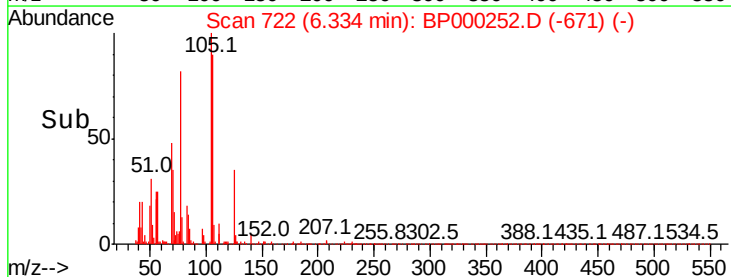
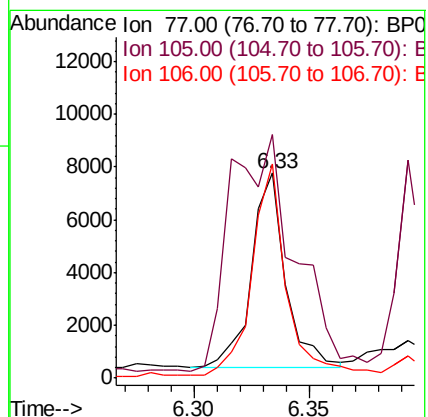
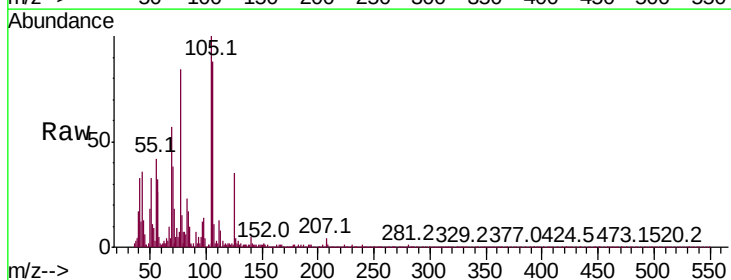
Tgt Ion: 77 Resp: 7538

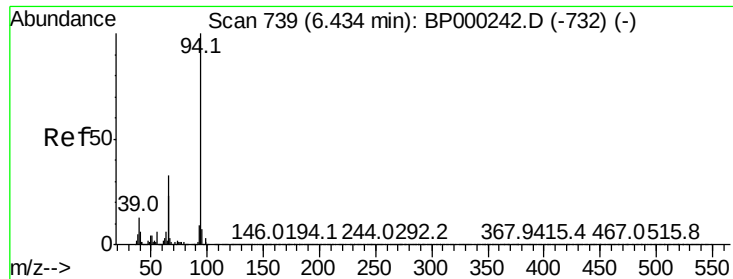
Ion Ratio Lower Upper

77 100

105 118.8 89.6 129.6

106 104.5 84.6 124.6





#10

Phenol

Concen: 5.422 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

ClientSampleId :

CSA-2-1

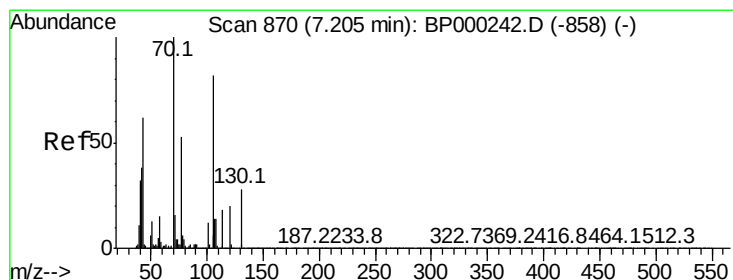
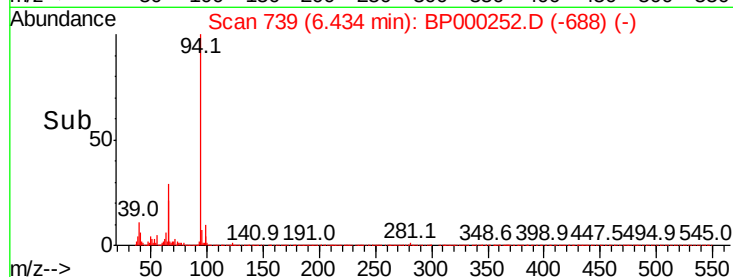
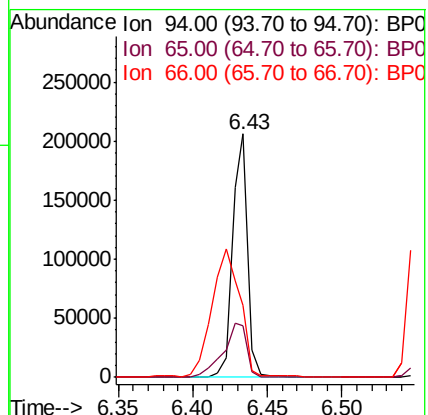
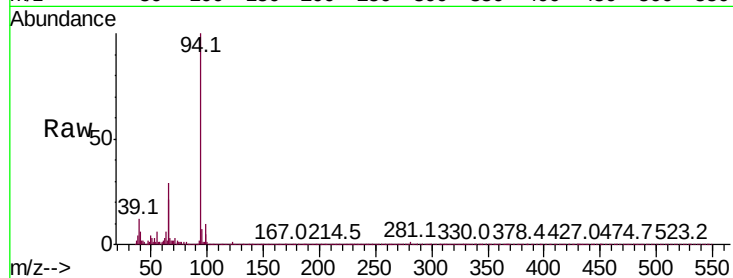
Tot Ion: 94 Resp: 147710

Ion Ratio Lower Upper

94 100

65 21.0 3.3 43.3

66 29.4 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.148 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion: 70 Resp: 179372

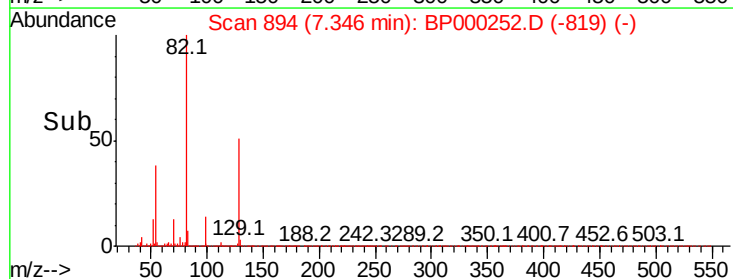
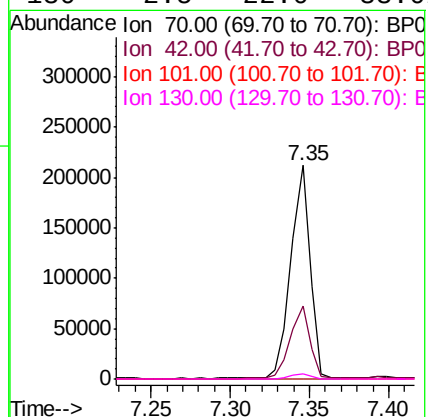
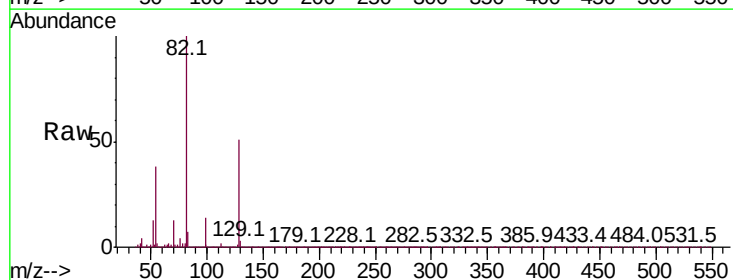
Ion Ratio Lower Upper

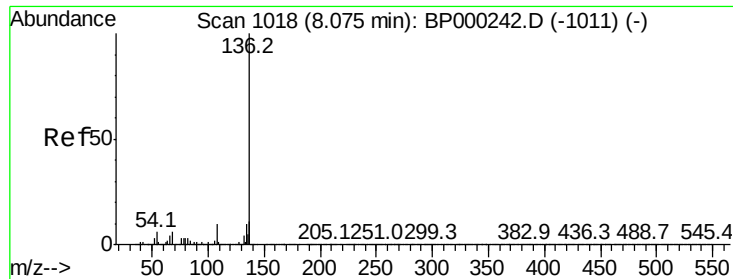
70 100

42 34.4 30.7 46.1

101 0.1 9.6 14.4#

130 2.5 22.0 33.0#

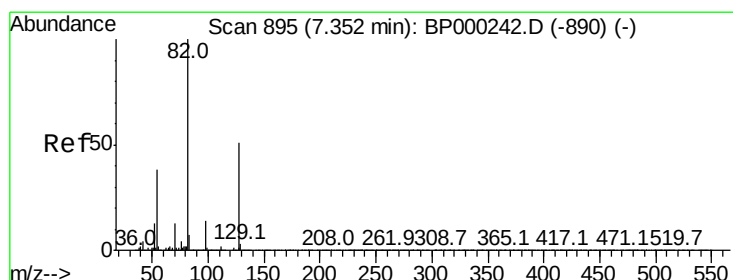
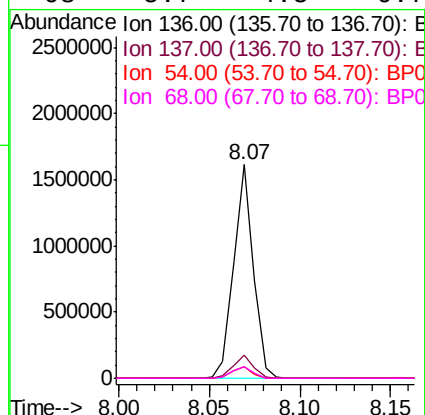
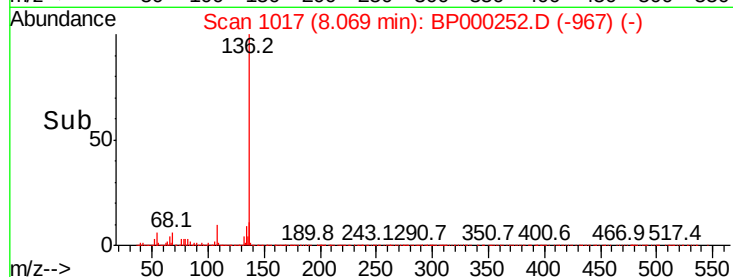
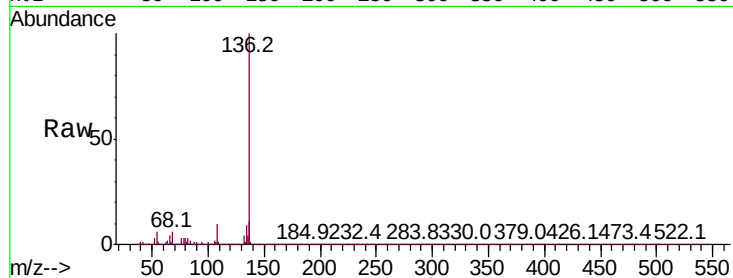




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

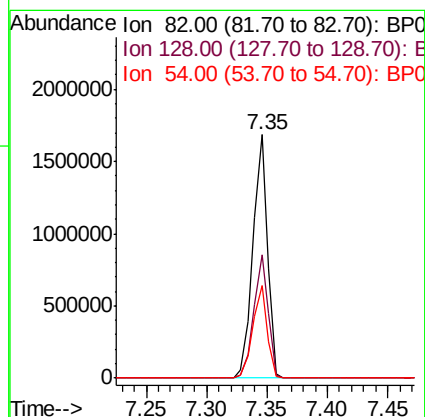
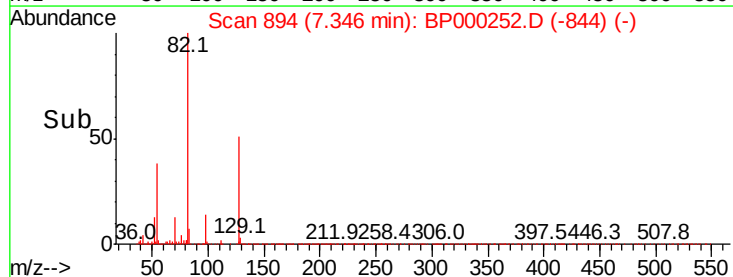
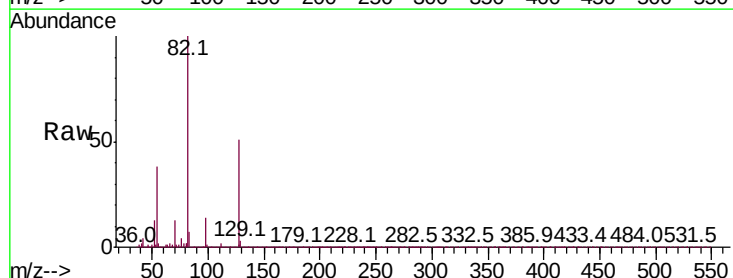
Instrument :
BNA_P
ClientSampled :
CSA-2-1

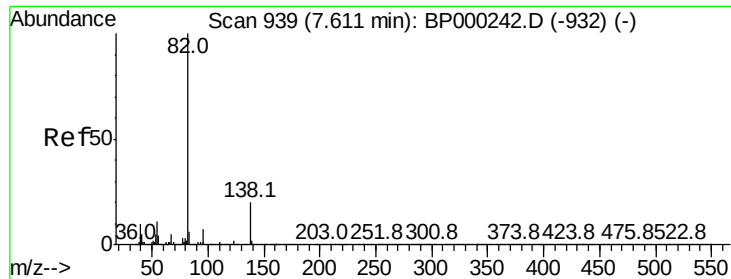
Tot Ion:136	Resp: 1216182
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 5.6	4.5 6.7
68 5.7	4.5 6.7



#23
Nitrobenzene-d5
Concen: 75.747 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion: 82	Resp: 1427823
Ion Ratio	Lower Upper
82 100	
128 50.9	40.7 61.1
54 37.9	30.1 45.1





#25

Isophorone

Concen: 38.152 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

ClientSampleId :

CSA-2-1

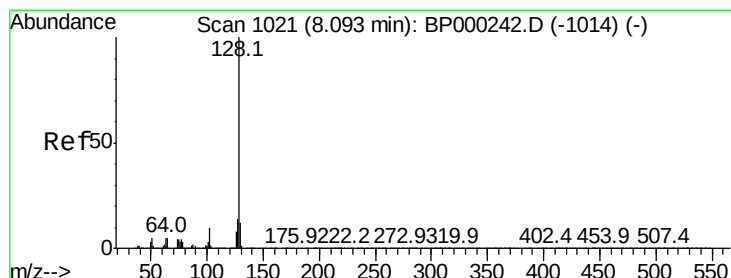
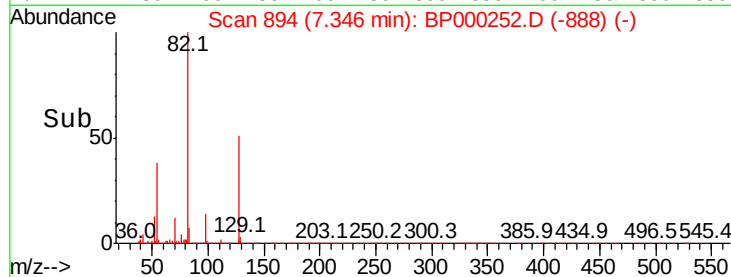
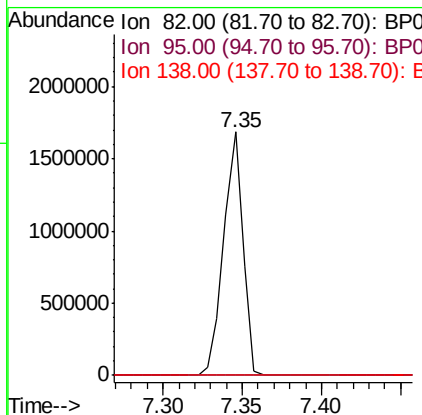
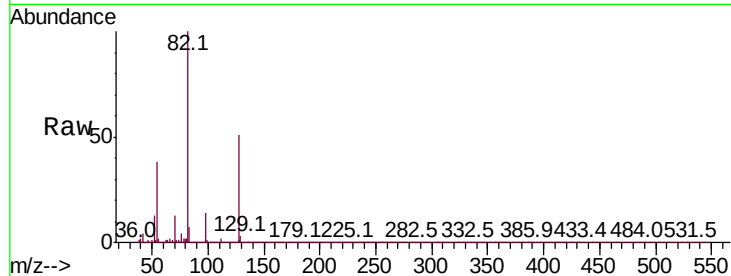
Tot Ion: 82 Resp: 1424021

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

138 0.0 15.9 23.9#



#31

Naphthalene

Concen: 2.393 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

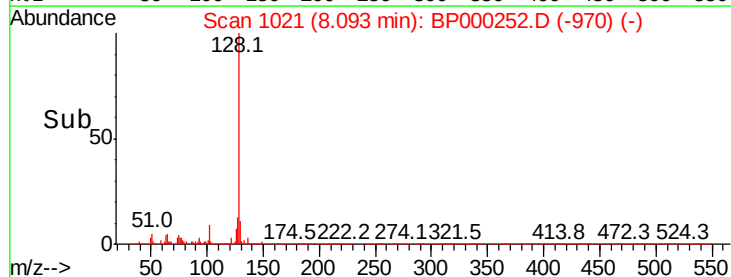
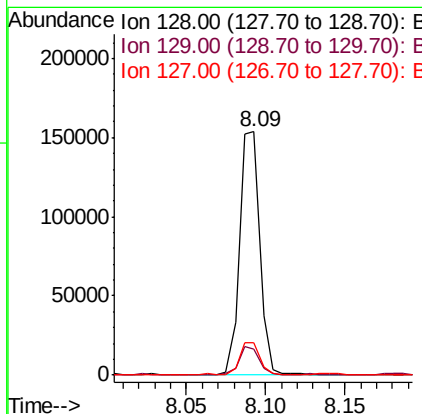
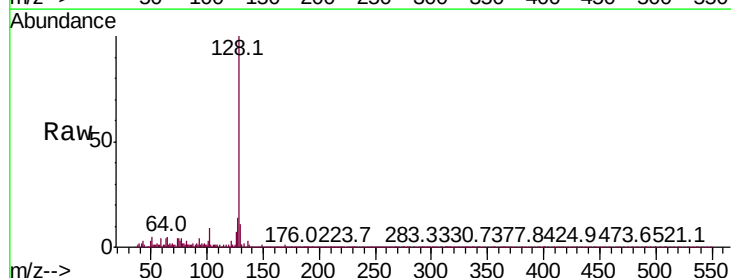
Tgt Ion: 128 Resp: 134767

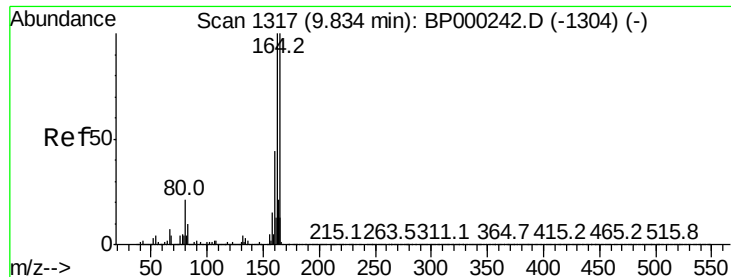
Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

127 13.6 11.0 16.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

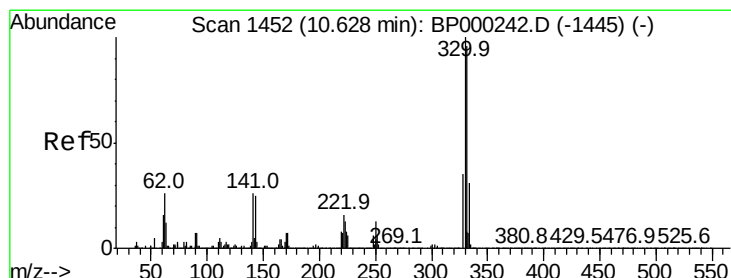
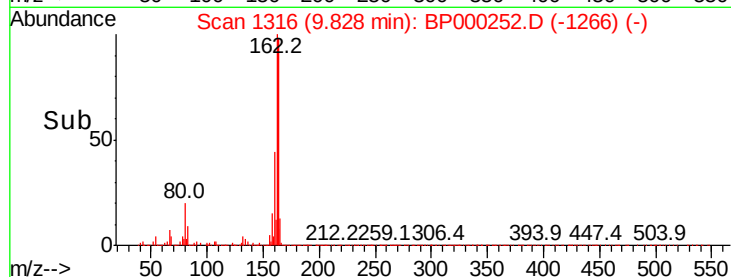
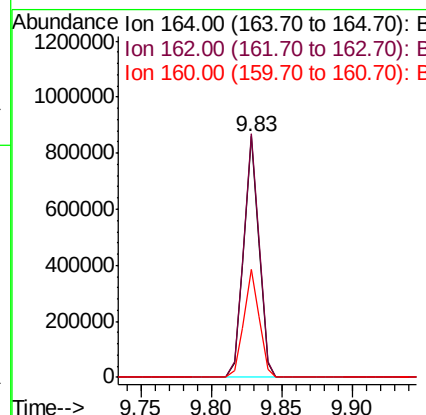
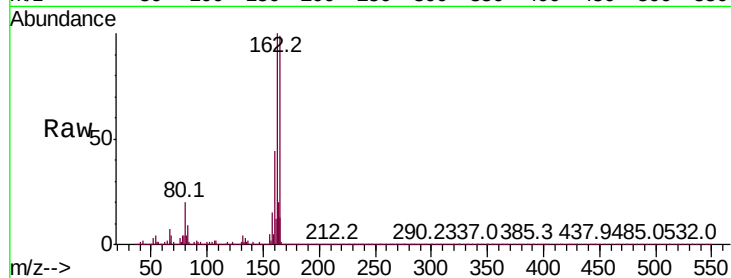
Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.9	119.9
160	44.8	35.6	53.4



#42

2,4,6-Tribromophenol

Concen: 115.833 ng

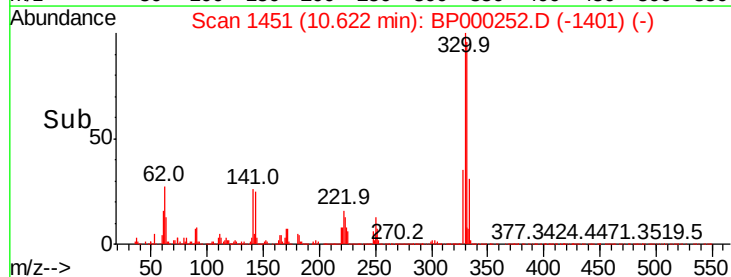
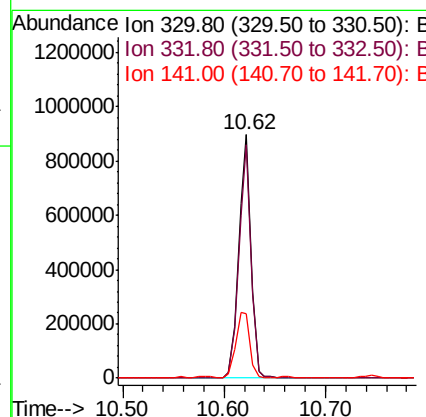
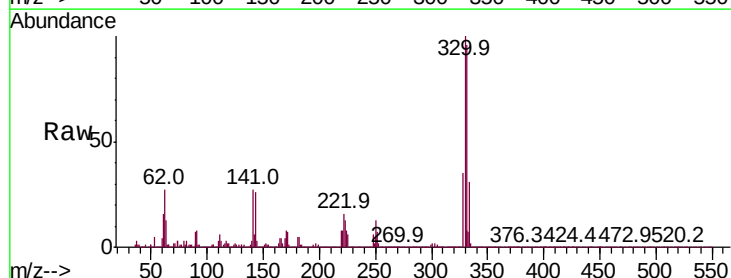
RT: 10.62 min Scan# 1451

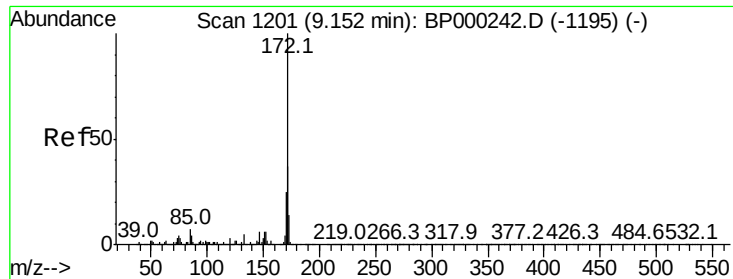
Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	30.4	26.5	39.7



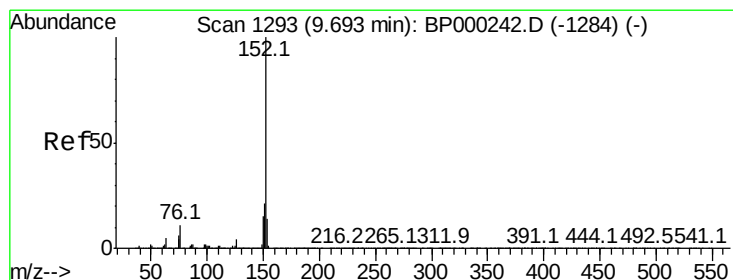
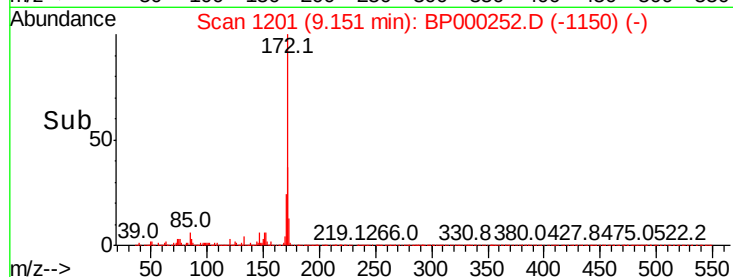
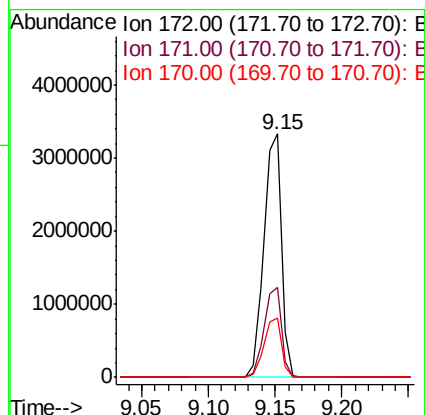
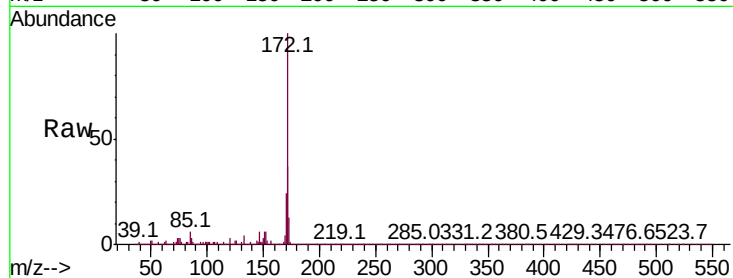


#45
2-Fluorobiphenyl
Concen: 82.490 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampled :
CSA-2-1

Tot Ion:172 Resp: 2988858

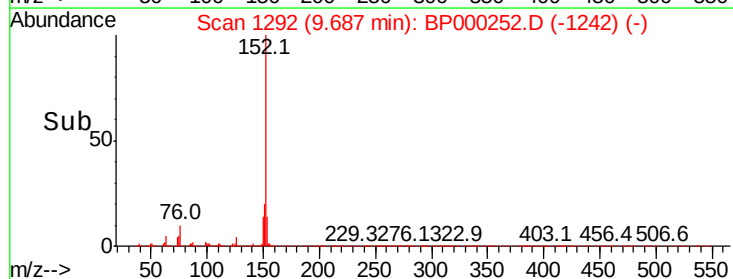
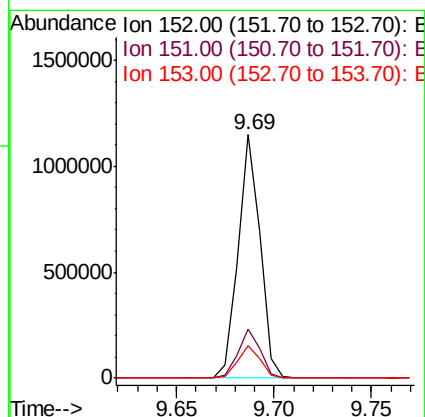
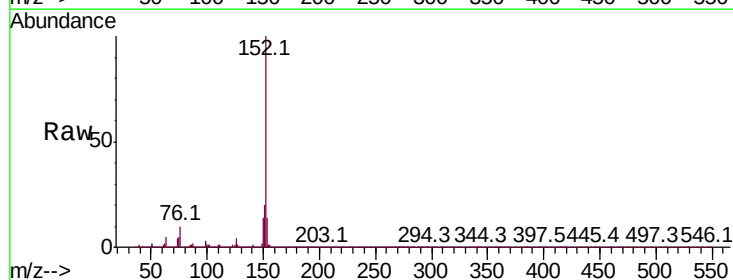
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.4	19.8	29.6

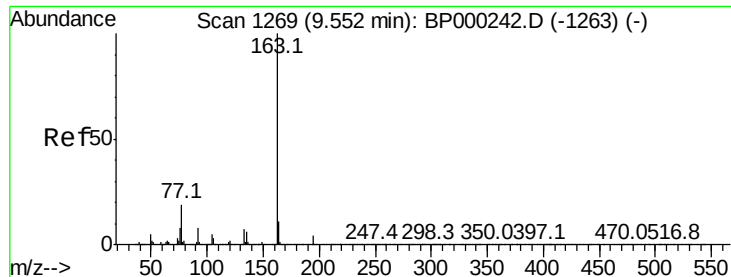


#49
Acenaphthylene
Concen: 15.712 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion:152 Resp: 893782

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	13.5	11.0	16.4

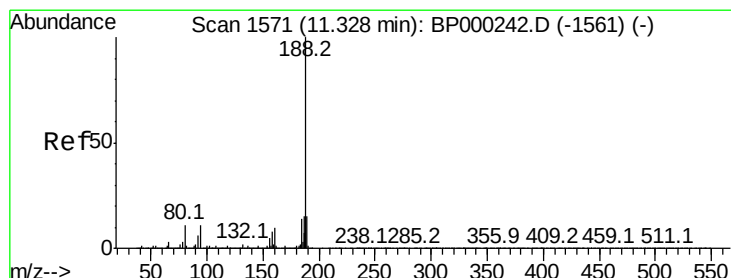
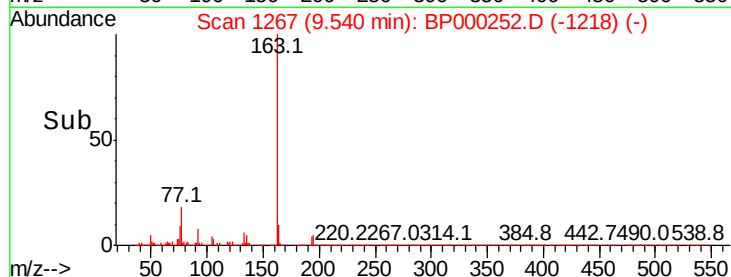
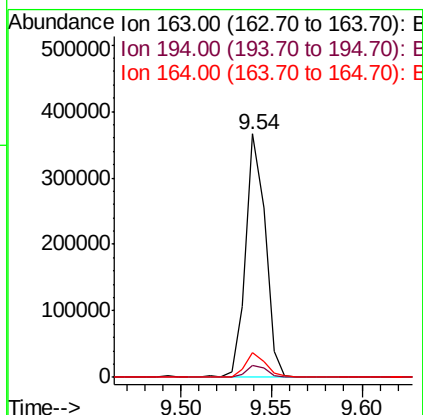
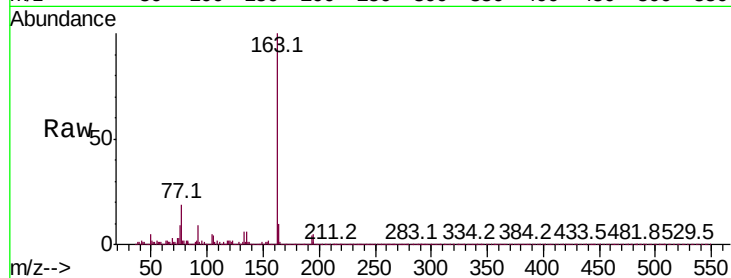




#50
Dimethylphthalate
Concen: 6.188 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

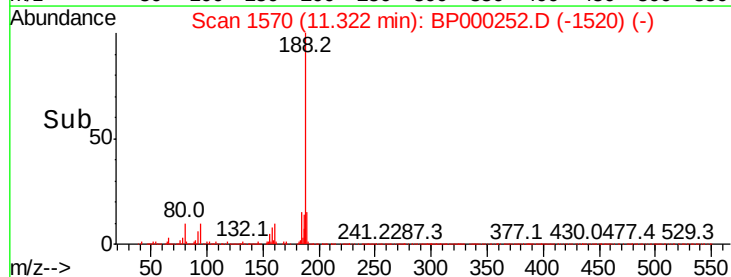
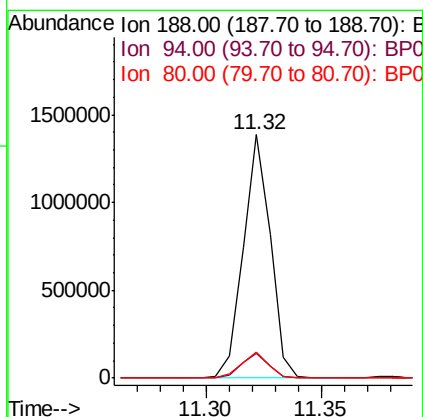
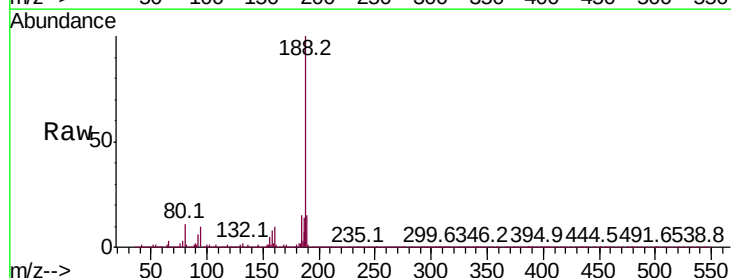
Instrument :
BNA_P
ClientSampleId :
CSA-2-1

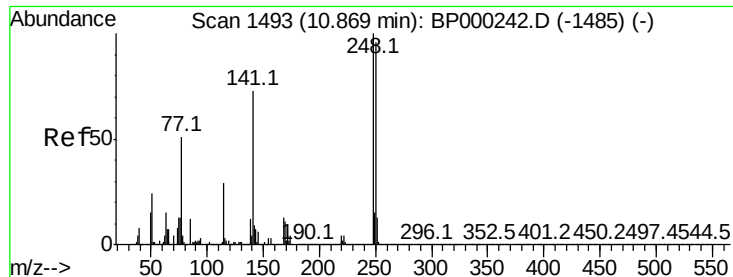
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.0
164	10.3	8.5	12.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.5	8.6	13.0

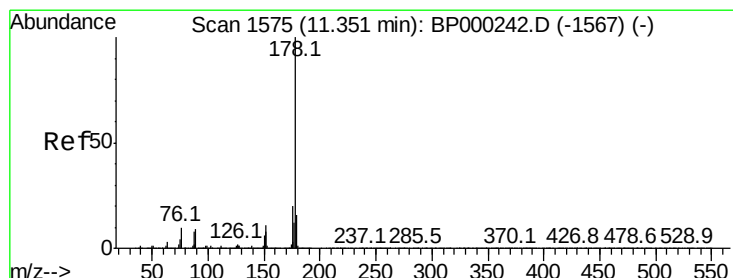
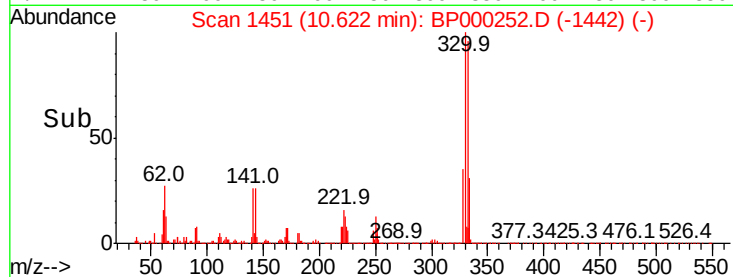
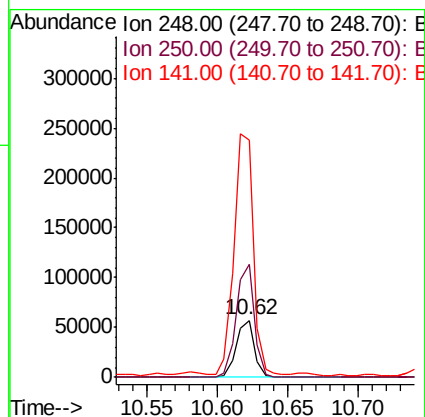
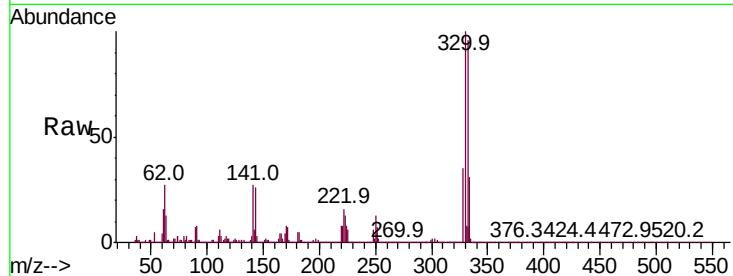




#67
4-Bromophenyl-phenylether
Concen: 3.984 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

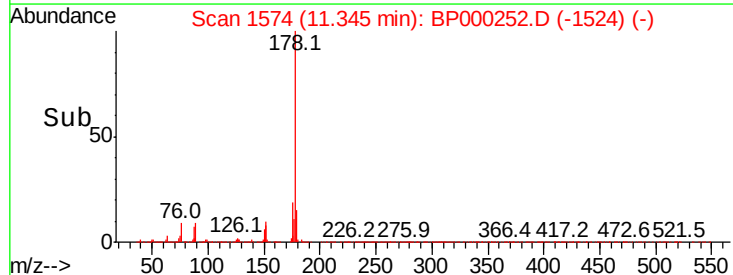
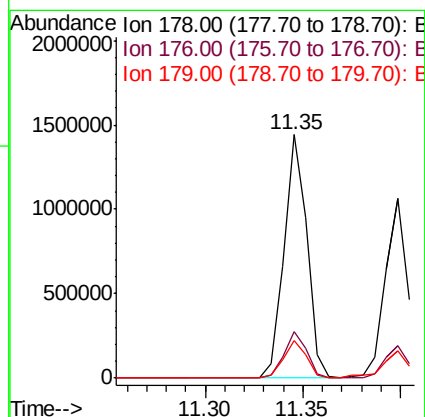
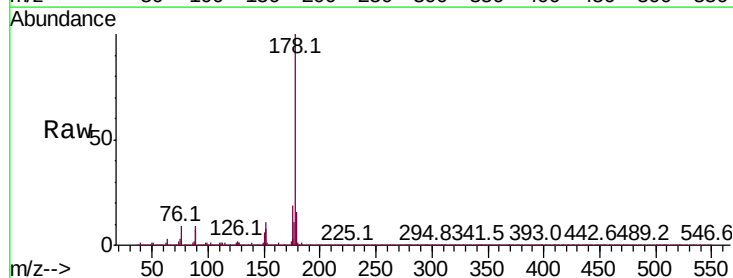
Instrument :
BNA_P
ClientSampleId :
CSA-2-1

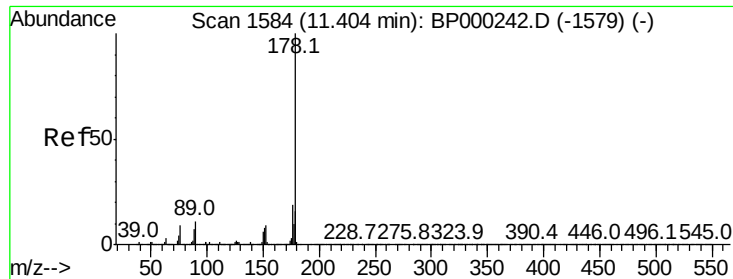
Tot Ion:248 Resp: 51051
Ion Ratio Lower Upper
248 100
250 198.5 77.0 115.4#
141 416.0 58.5 87.7#



#71
Phenanthrene
Concen: 20.448 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion:178 Resp: 1161277
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 12.7 19.1





#72

Anthracene

Concen: 14.147 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

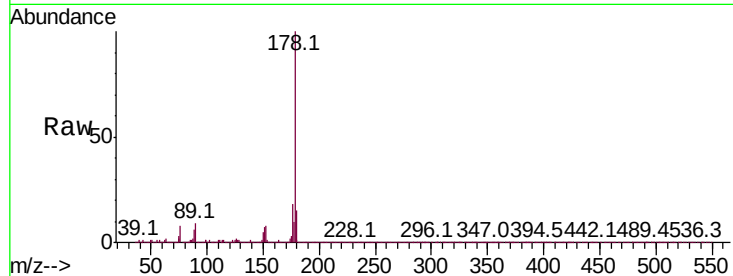
BNA_P

ClientSampleId :

CSA-2-1

Tot Ion:178 Resp: 826990

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.4	12.7	19.1

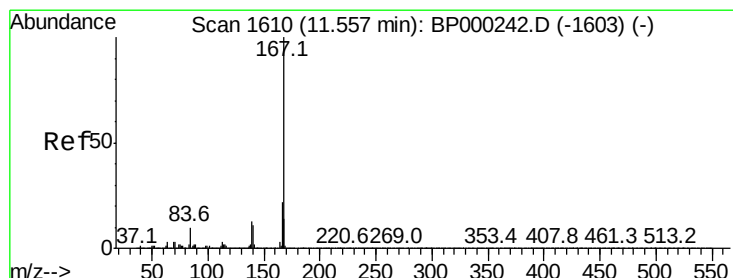
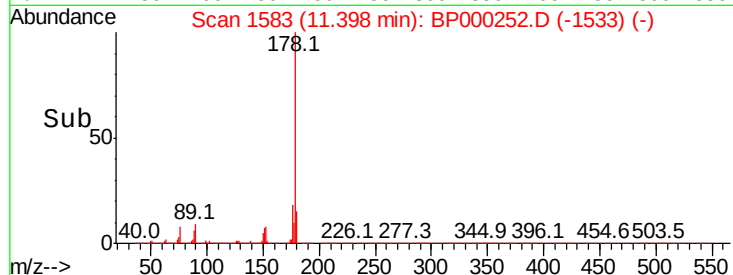
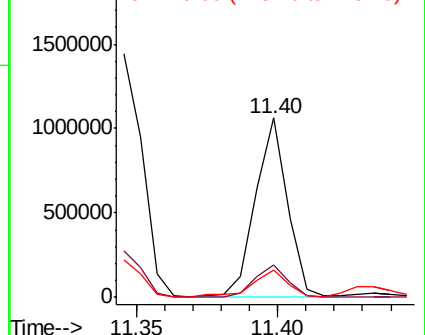


Abundance

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



#73

Carbazole

Concen: 4.280 ng

RT: 11.55 min Scan# 1609

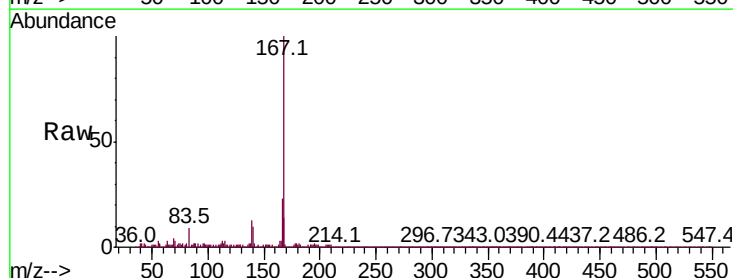
Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion:167 Resp: 225309

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.8
139	12.9	10.8	16.2

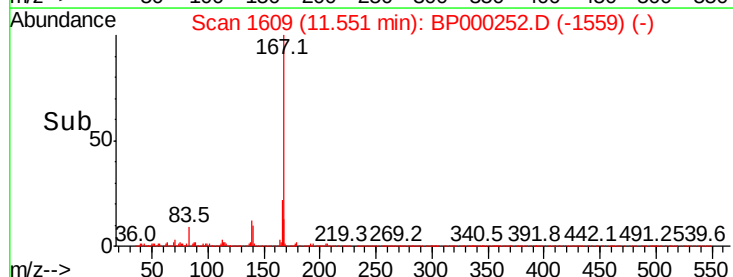
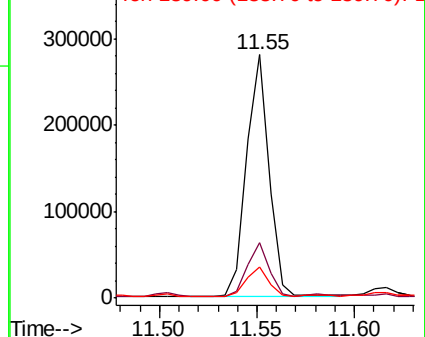


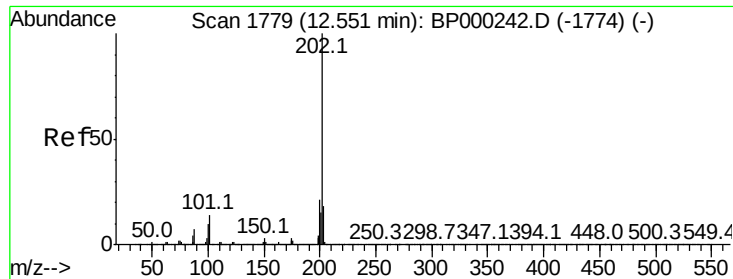
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 55.692 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

ClientSampleId :

CSA-2-1

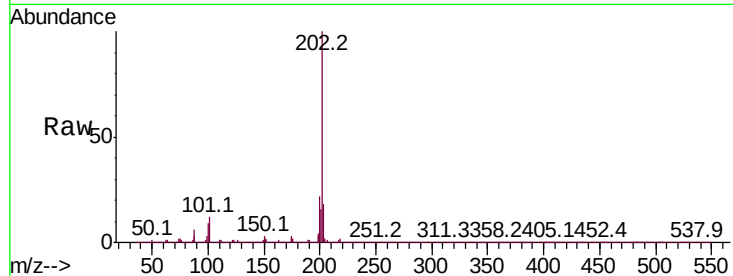
Tot Ion:202 Resp: 3396222

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.9

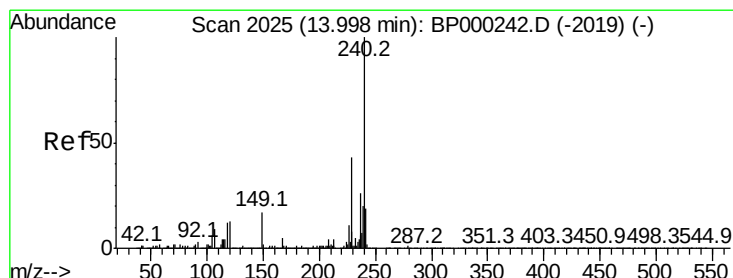
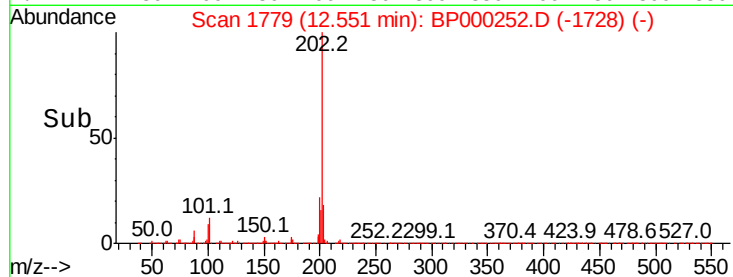
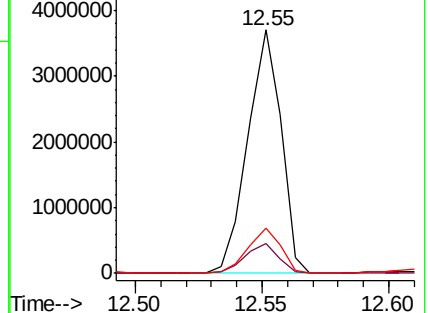
203 18.5 0.0 38.0



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: BP000252.D

Acq: 16 Sep 2019 21:36

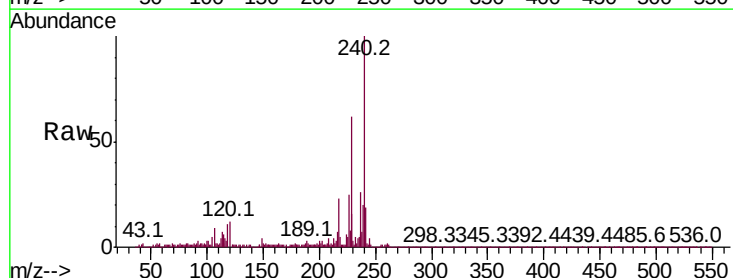
Tgt Ion:240 Resp: 835246

Ion Ratio Lower Upper

240 100

120 12.2 10.4 15.6

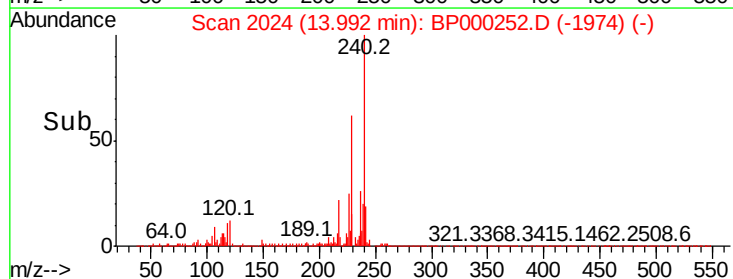
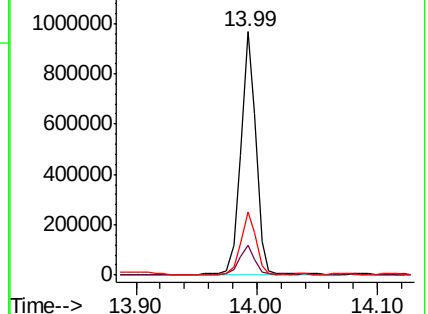
236 26.0 21.0 31.6

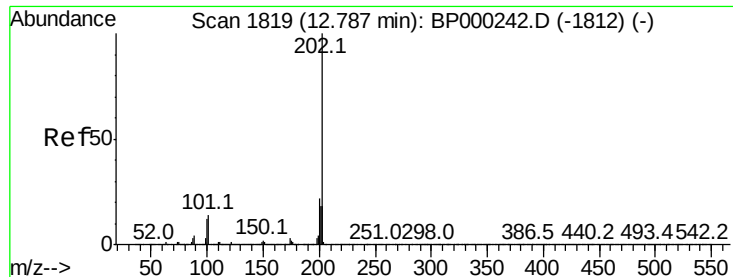


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 50.878 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

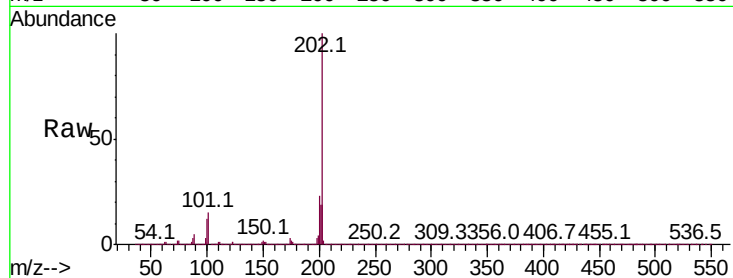
BNA_P

ClientSampleId :

CSA-2-1

Tot Ion:202 Resp: 3179370

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.5	26.3
203	18.6	14.3	21.5

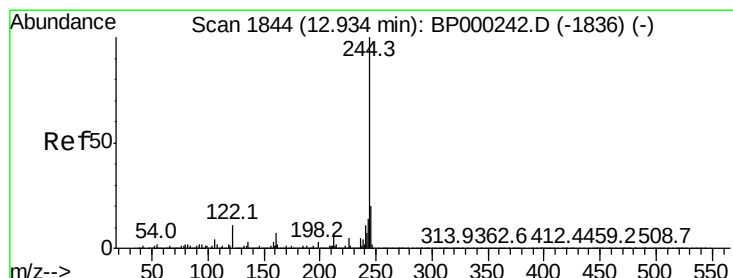
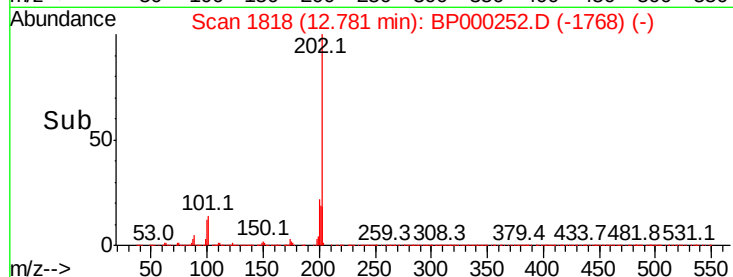
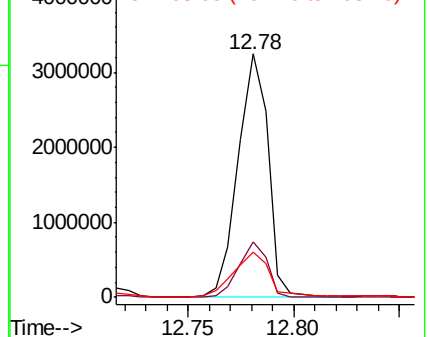


Abundance

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: 78.579 ng

RT: 12.93 min Scan# 1843

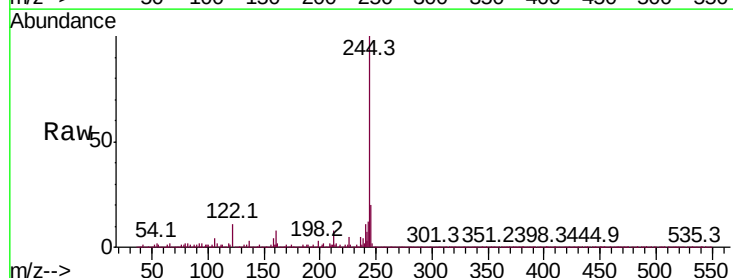
Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion:244 Resp: 3128563

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	11.3	9.0	13.4

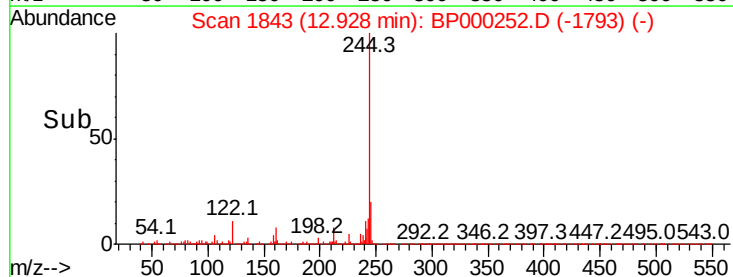
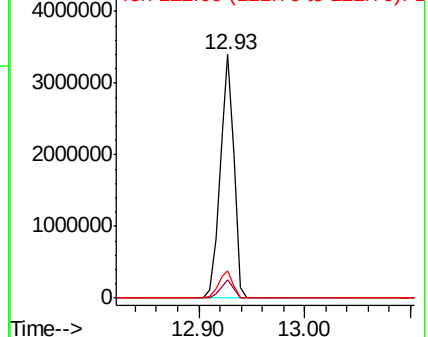


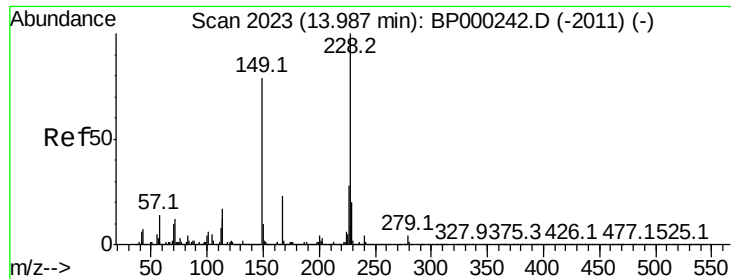
Abundance

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

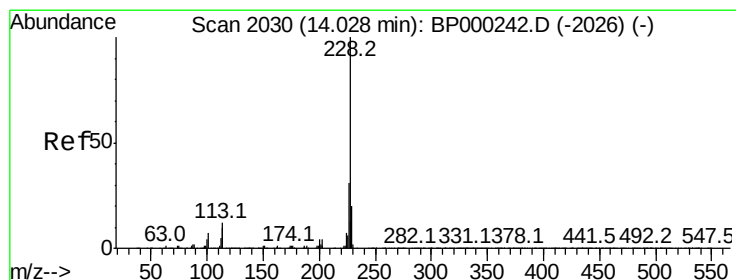
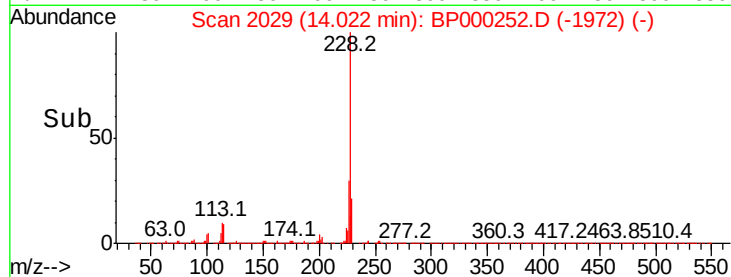
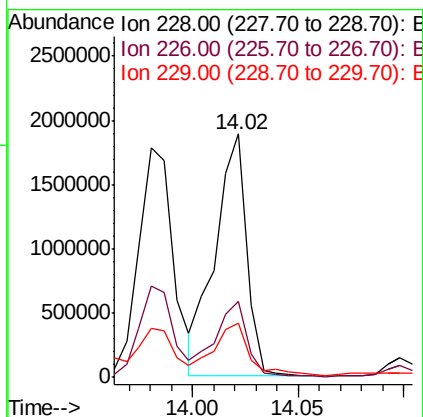
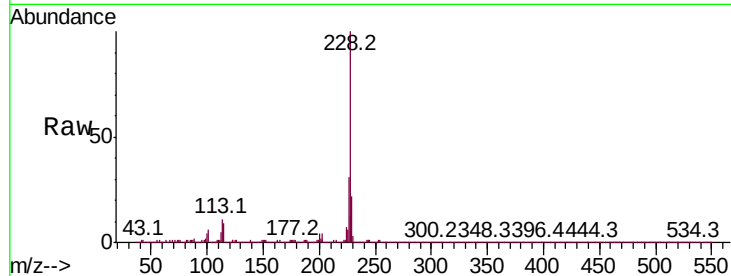




#81
Benzo(a)anthracene
Concen: 36.980 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.04 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

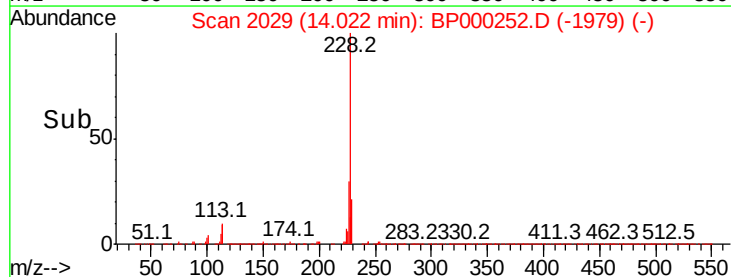
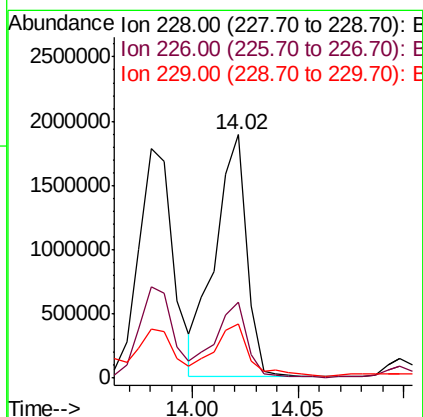
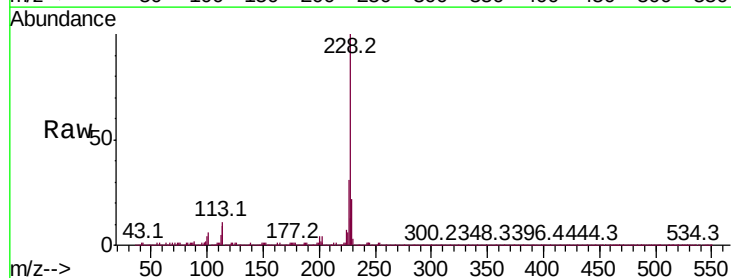
Instrument :
BNA_P
ClientSampleId :
CSA-2-1

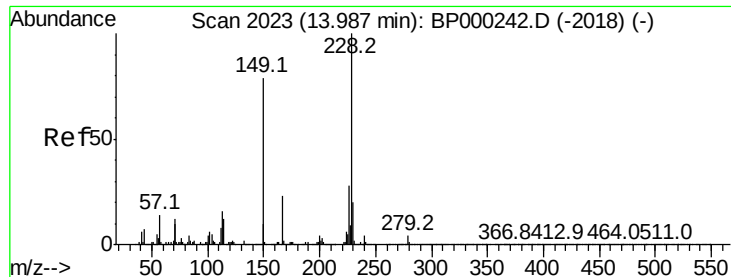
Tot Ion:228 Resp: 1951056
Ion Ratio Lower Upper
228 100
226 31.0 22.2 33.4
229 22.3 16.0 24.0



#83
Chrysene
Concen: 37.663 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion:228 Resp: 1951056
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 22.3 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.207 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

ClientSampleId :

CSA-2-1

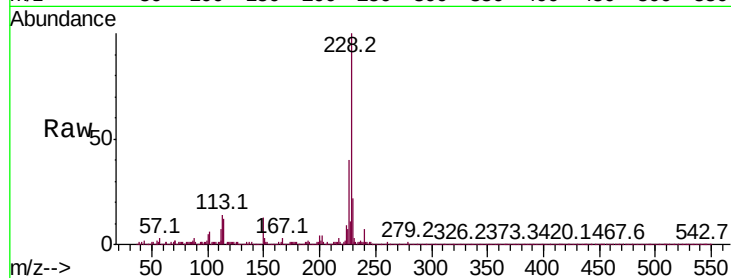
Tot Ion:149 Resp: 179474

Ion Ratio Lower Upper

149 100

167 27.5 23.0 34.4

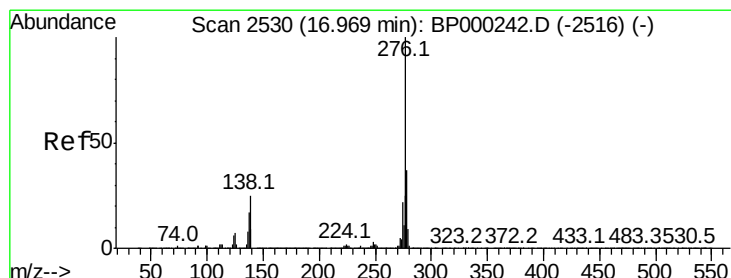
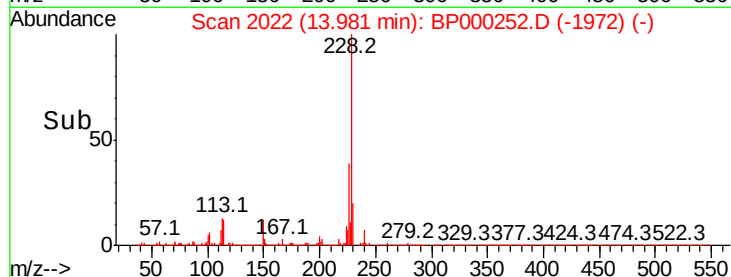
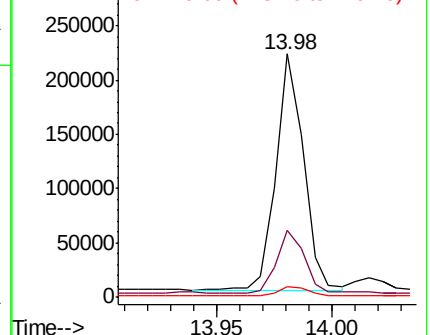
279 4.6 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 22.845 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

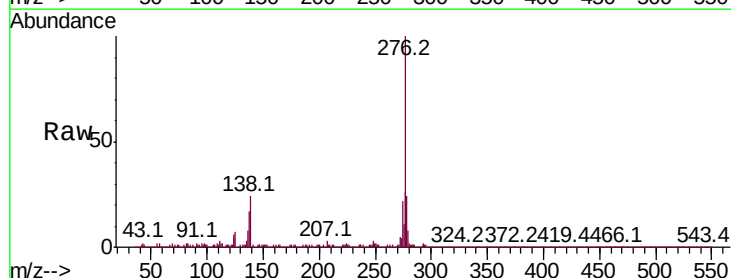
Tgt Ion:276 Resp: 1442548

Ion Ratio Lower Upper

276 100

138 23.2 22.6 33.8

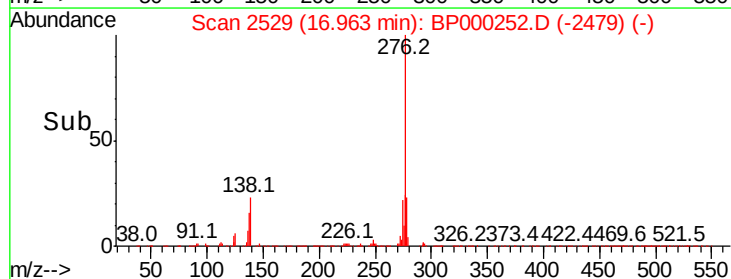
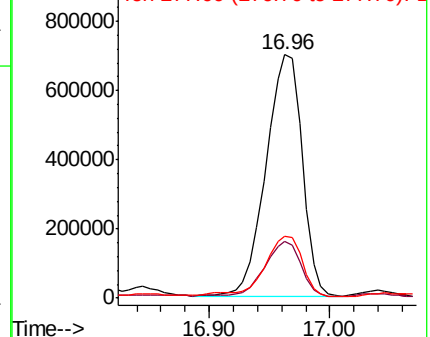
277 26.5 20.4 30.6

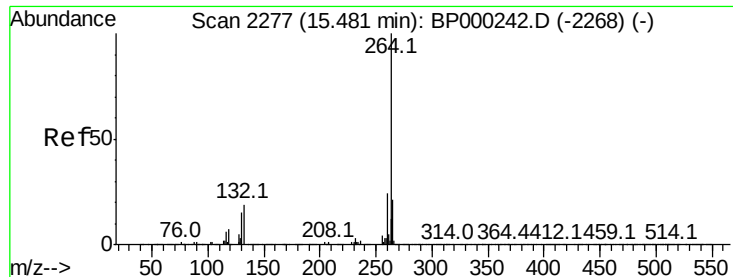


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

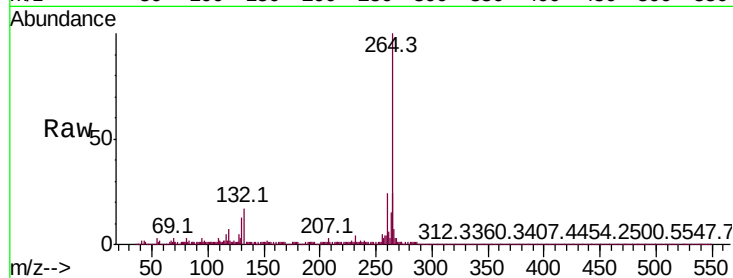
BNA_P

ClientSampled :

CSA-2-1

Tot Ion:264 Resp: 1012104

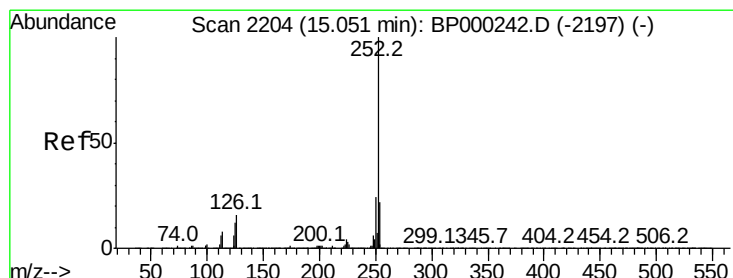
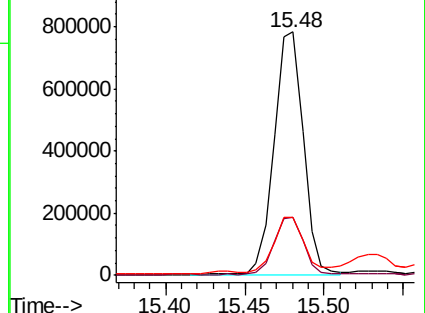
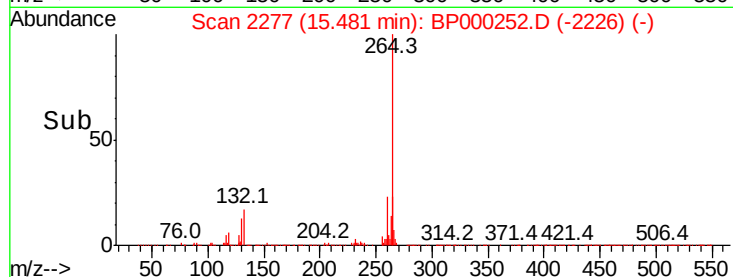
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	23.8	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 66.632 ng

RT: 15.05 min Scan# 2204

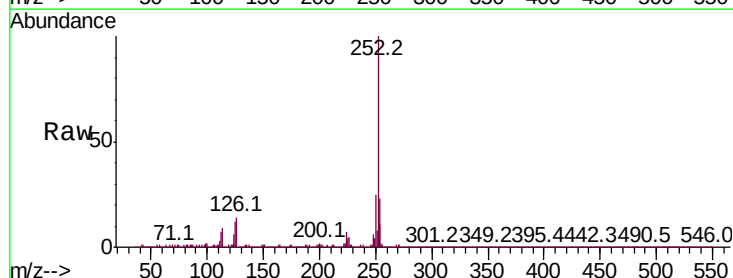
Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion:252 Resp: 4023123

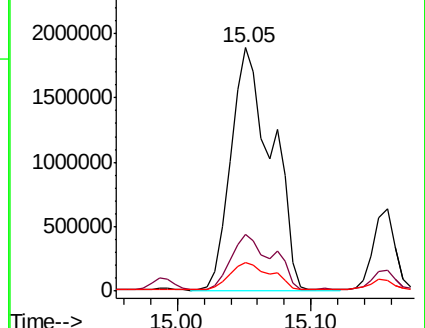
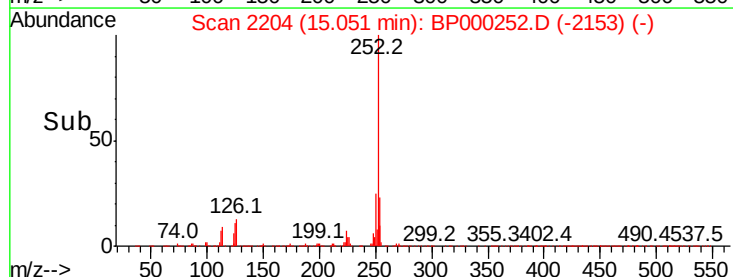
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.0	9.5	14.3

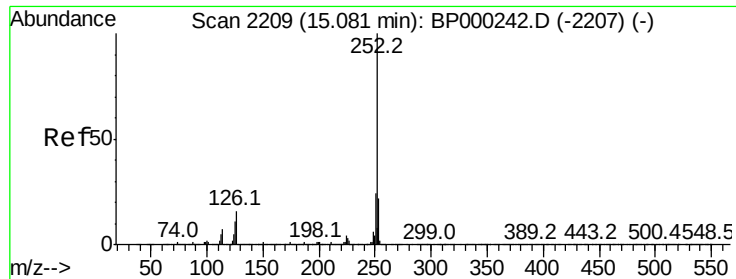


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 76.387 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.03 min

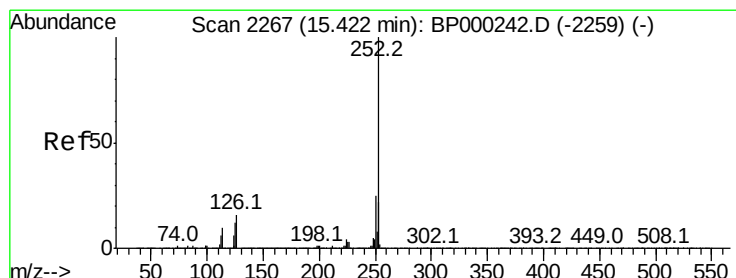
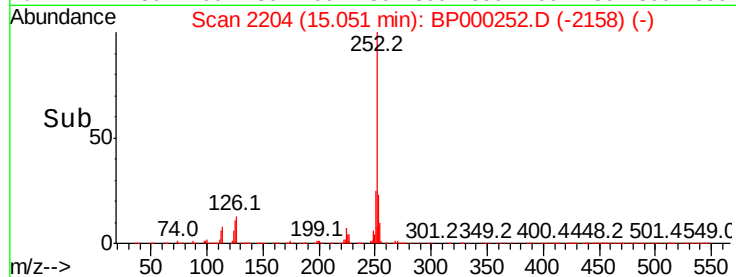
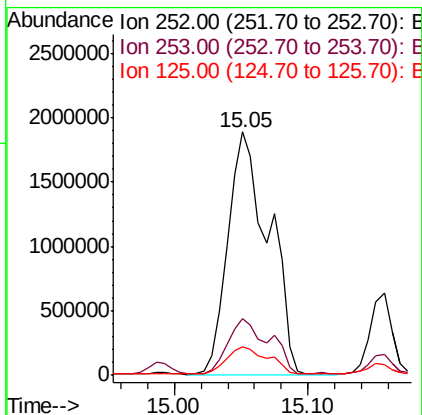
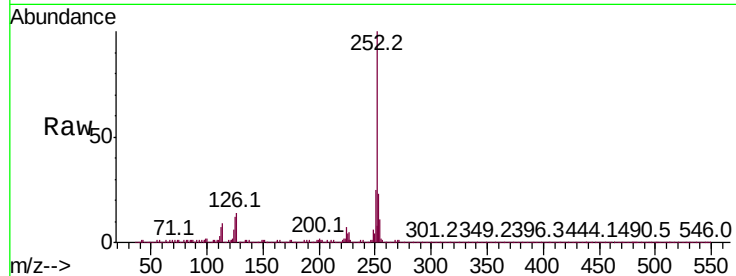
Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion:252 Resp: 4023123

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.0	9.6	14.4



#90

Benzo(a)pyrene

Concen: 33.616 ng

RT: 15.42 min Scan# 2266

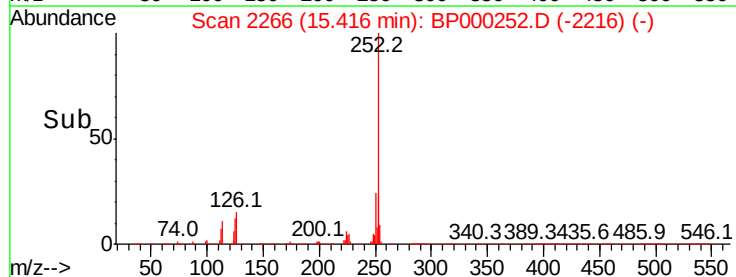
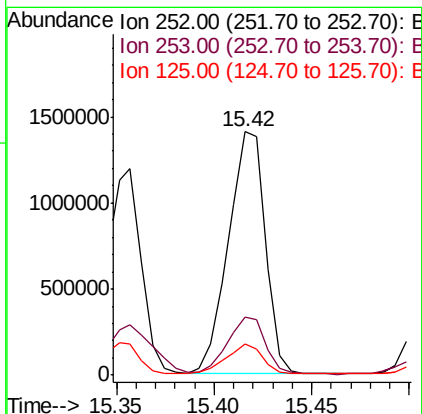
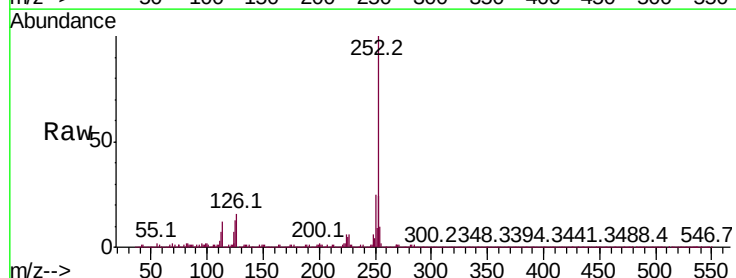
Delta R.T. -0.01 min

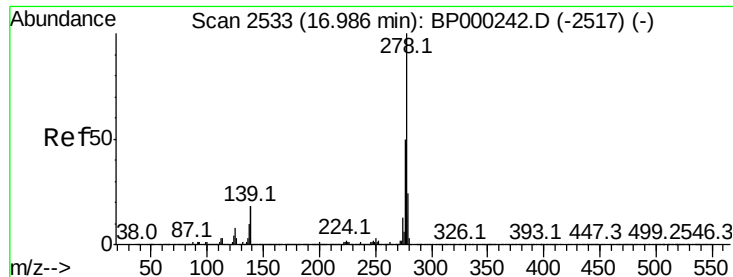
Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion:252 Resp: 1846814

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	12.5	10.0	15.0





#91

Dibenzo(a,h)anthracene

Concen: 5.471 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.15 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

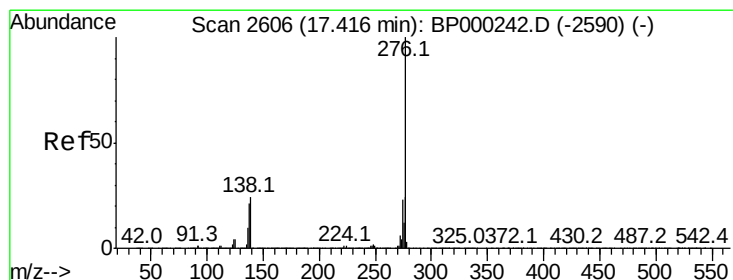
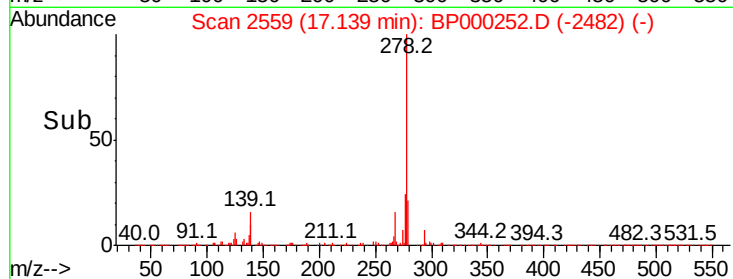
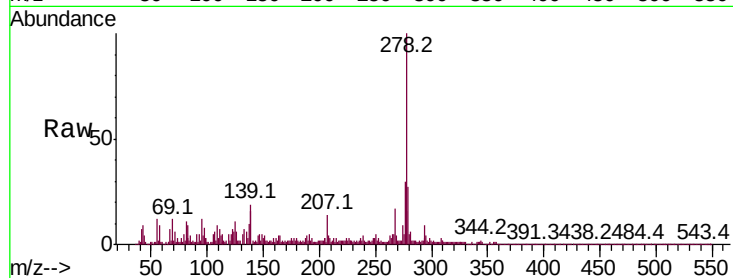
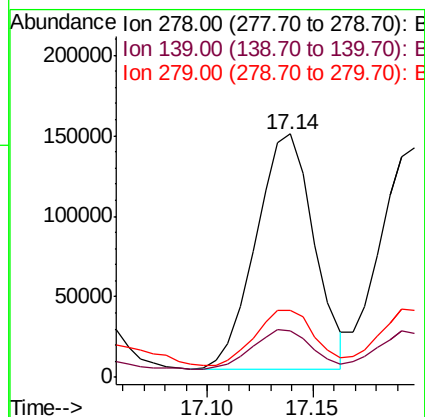
BNA_P

ClientSampleId :

CSA-2-1

Tot Ion:278 Resp: 280251

Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.5	21.7
279	27.3	19.0	28.6



#92

Benzo(g,h,i)perylene

Concen: 24.072 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion:276 Resp: 1267390

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	22.7	19.5	29.3

