

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
 Data File : BP000377.D
 Acq On : 23 Sep 2019 21:54
 Operator : HP/JU
 Sample : K4980-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 24 04:23:20 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	180367	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	647311	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	366805	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	738550	20.00	ng	0.00
76) Chrysene-d12	13.99	240	628450	20.00	ng	0.00
87) Perylene-d12	15.47	264	722776	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1490110	142.62	ng	0.02
7) Phenol-d6	6.43	99	1860032	145.24	ng	0.01
23) Nitrobenzene-d5	7.35	82	829016	82.63	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	548382	150.73	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1814798	89.05	ng	0.00
79) Terphenyl-d14	12.93	244	2403296	80.23	ng	0.00

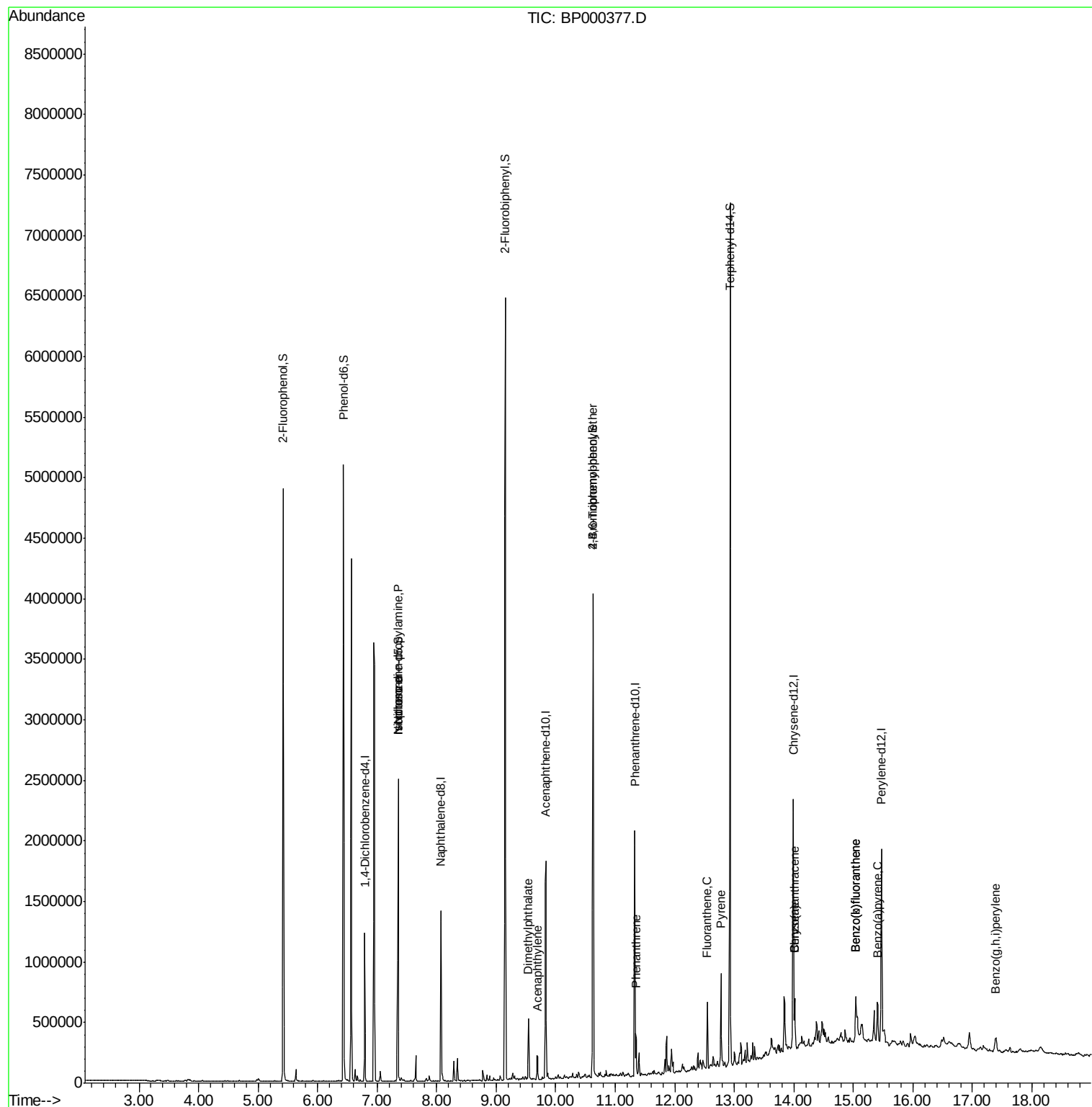
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3204	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.35	70	103959	15.353	ng	# 74
25) Isophorone	7.35	82	828836	41.721	ng	# 63
49) Acenaphthylene	9.69	152	89931	2.811	ng	99
50) Dimethylphthalate	9.55	163	204232	8.172	ng	99
67) 4-Bromophenyl-phenylether	10.63	248	37557	4.497	ng	# 1
69) Atrazine	11.02	200	125	Below Cal		# 1
71) Phenanthrene	11.35	178	127788	3.453	ng	98
75) Fluoranthene	12.55	202	219265	5.517	ng	98
78) Pyrene	12.78	202	313980	6.678	ng	98
81) Benzo(a)anthracene	14.02	228	148549	3.742	ng	96
83) Chrysene	14.02	228	148549	3.811	ng	98
88) Benzo(b)fluoranthene	15.04	252	250764	5.816	ng	99
89) Benzo(k)fluoranthene	15.04	252	250764	6.667	ng	99
90) Benzo(a)pyrene	15.41	252	151559	3.863	ng	97
92) Benzo(g,h,i)perylene	17.39	276	97210	2.585	ng	94

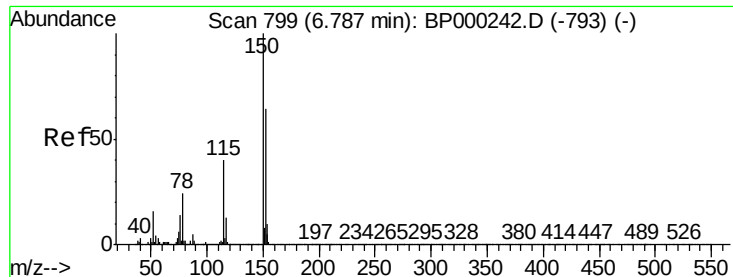
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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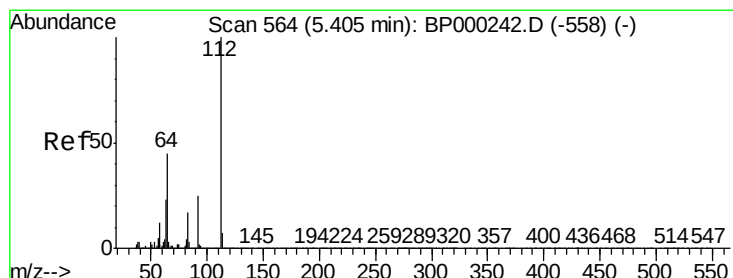
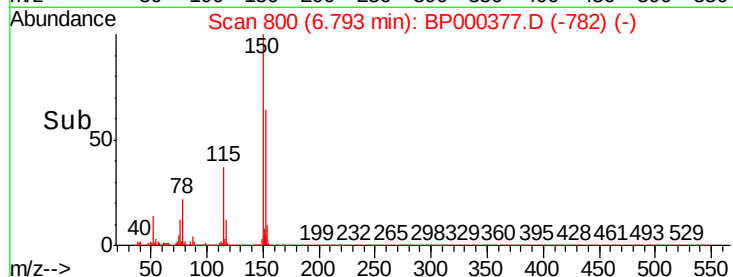
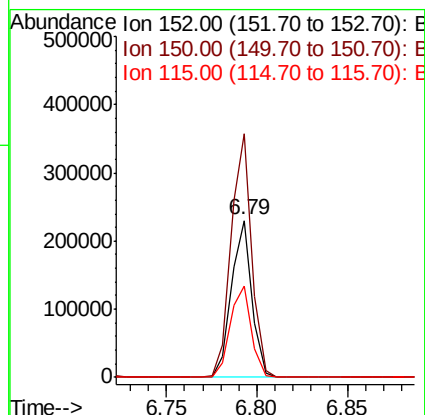
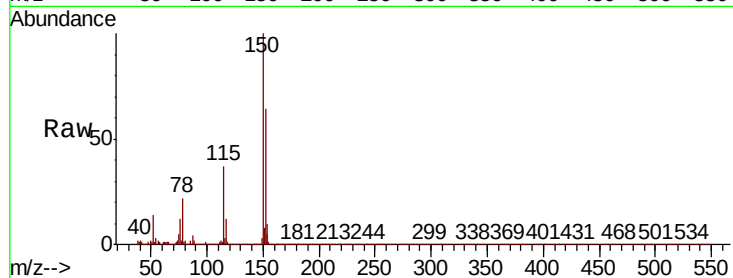


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Instrument :
BNA_P
ClientSampleId :

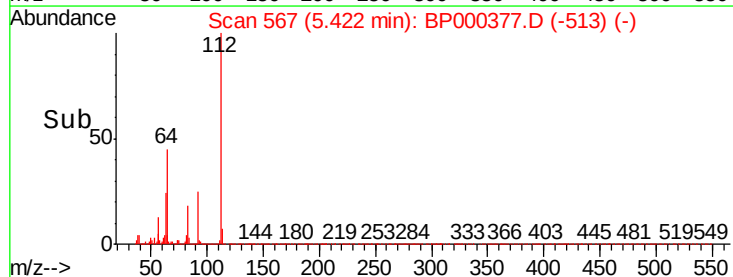
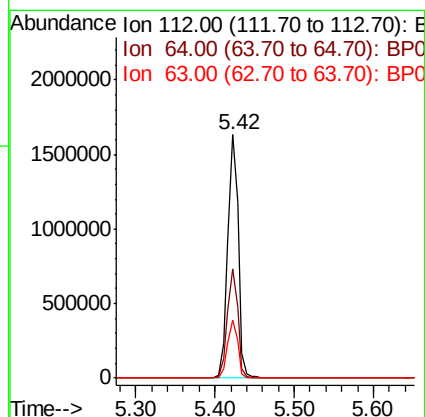
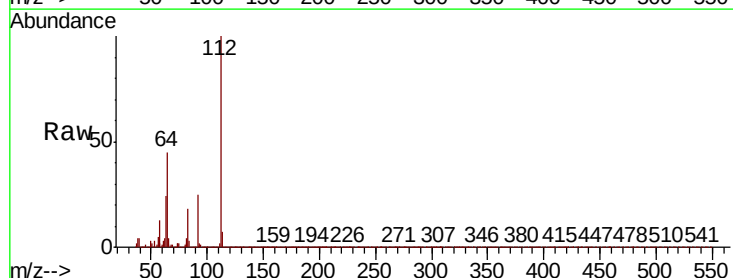
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.2	187.8
115	57.9	49.7	74.5

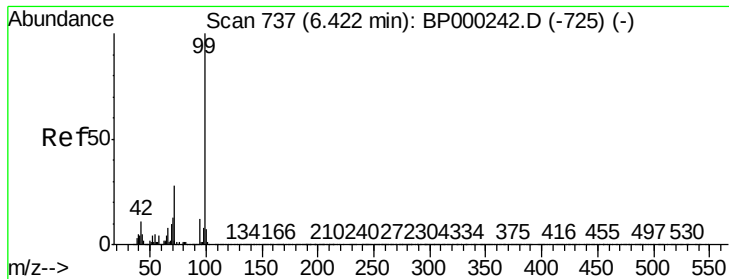


#5

2-Fluorophenol
Concen: 142.623 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.1	36.2	54.4
63	23.7	18.3	27.5





#7

Phenol-d6

Concen: 145.237 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampled :

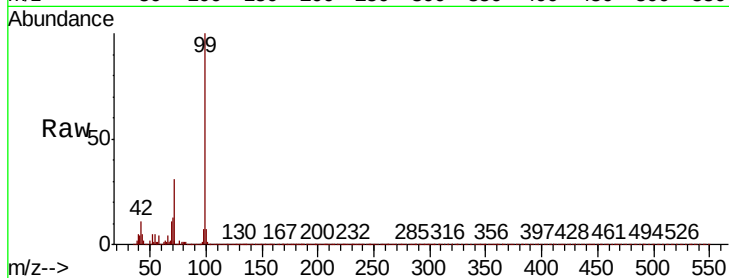
Tot Ion: 99 Resp: 1860032

Ion Ratio Lower Upper

99 100

42 11.3 8.5 12.7

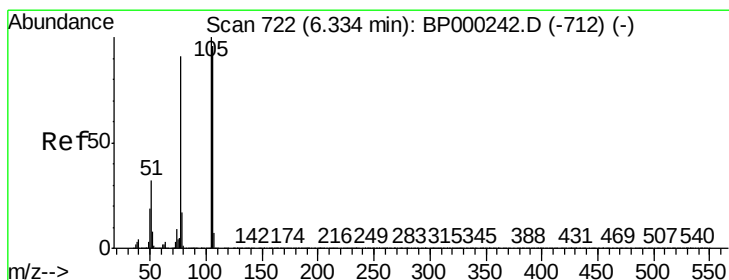
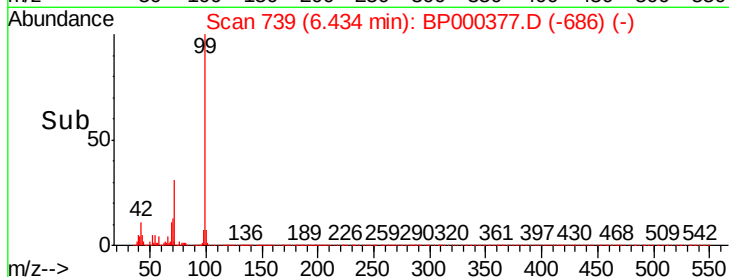
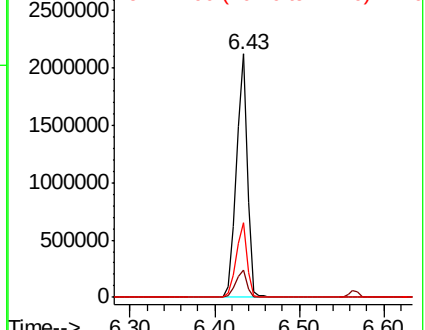
71 30.7 22.6 34.0



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: 6.43 min Scan# 739

Delta R.T. 0.10 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

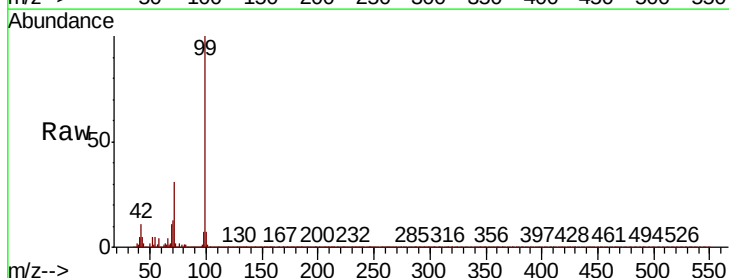
Tgt Ion: 77 Resp: 3204

Ion Ratio Lower Upper

77 100

105 8.3 89.6 129.6#

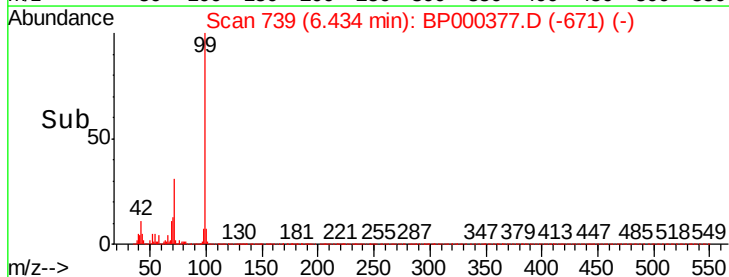
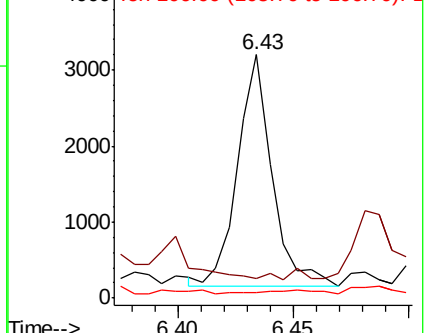
106 2.0 84.6 124.6#

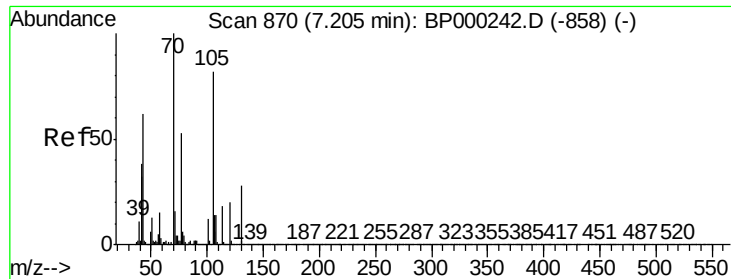


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

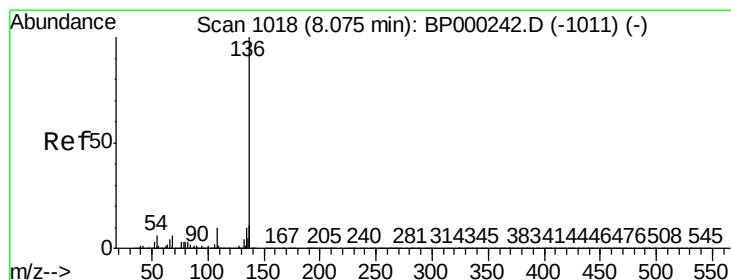
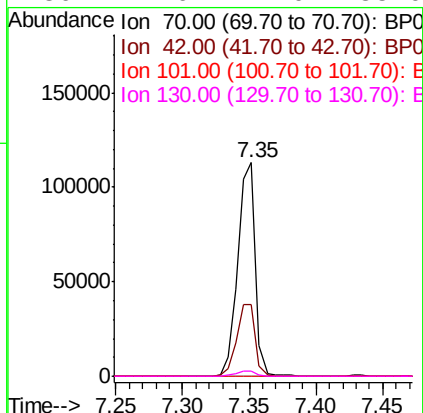
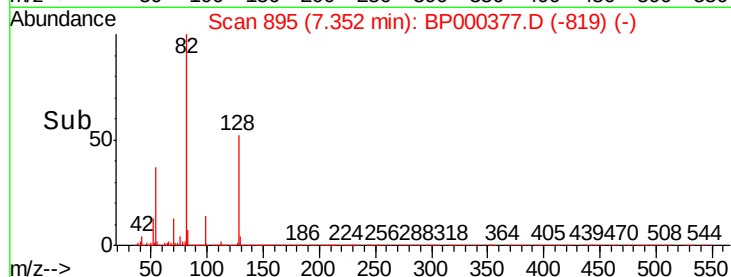
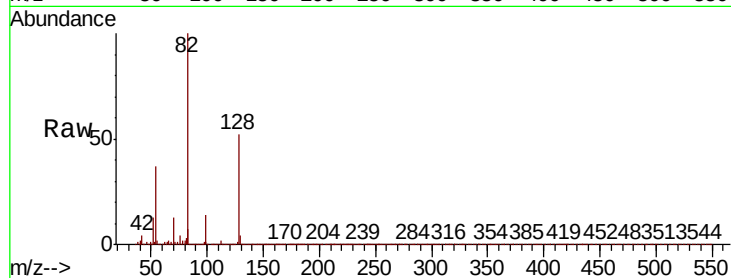




#19
n-Nitroso-di-n-propylamine
Concen: 15.353 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.15 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

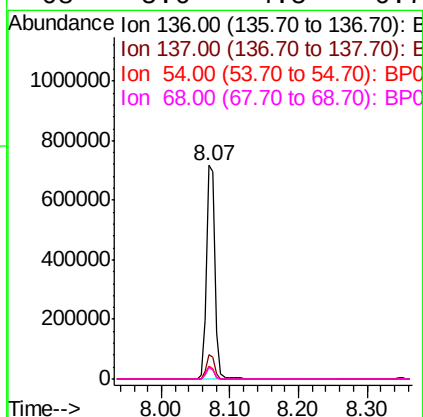
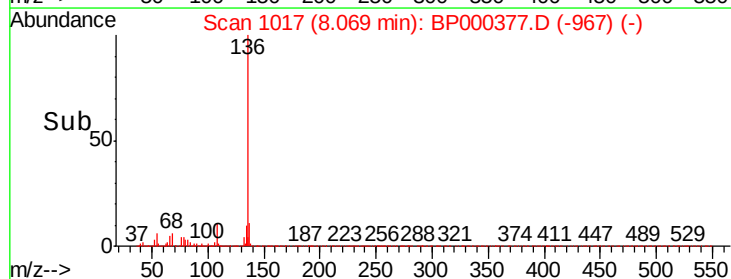
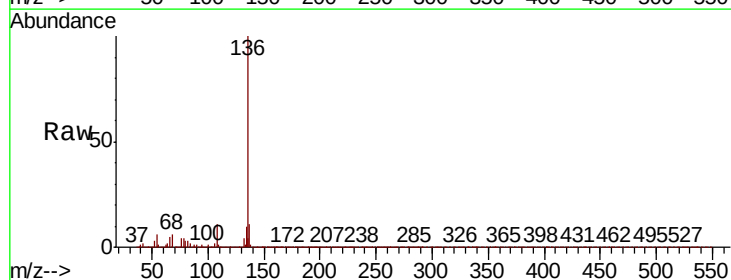
Instrument :
BNA_P
ClientSampleId :

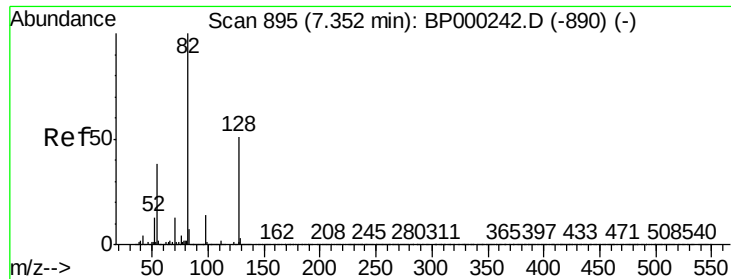
Tot Ion:	70	Resp:	103959
Ion	Ratio	Lower	Upper
70	100		
42	33.6	30.7	46.1
101	0.0	9.6	14.4#
130	2.6	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Tgt Ion:	136	Resp:	647311
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.9	4.5	6.7
68	5.6	4.5	6.7

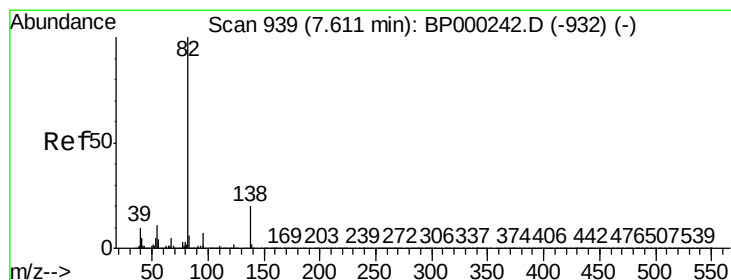
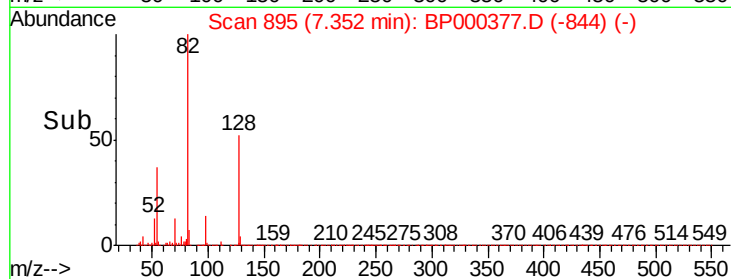
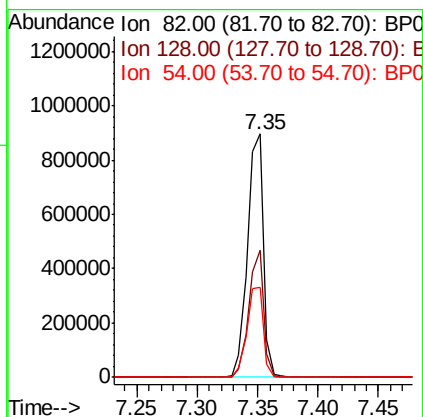
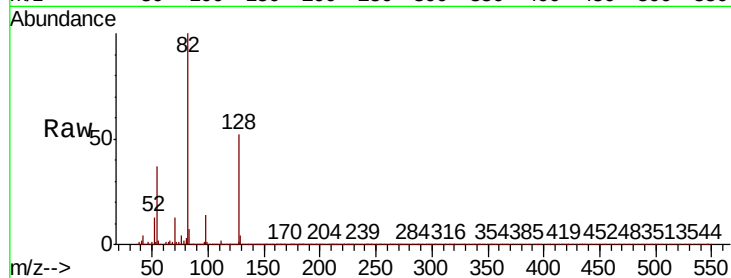




#23
Nitrobenzene-d5
Concen: 82.631 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

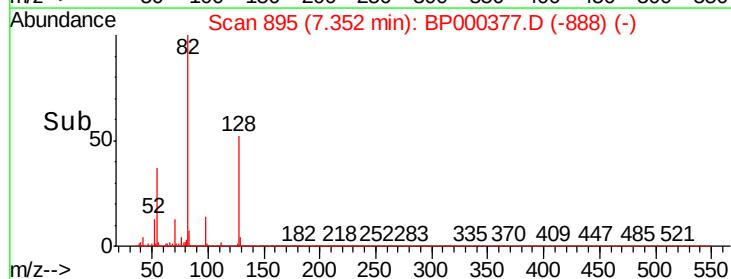
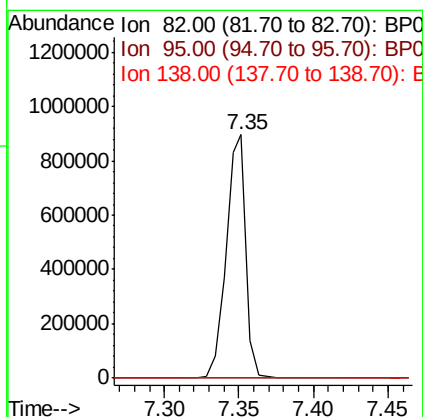
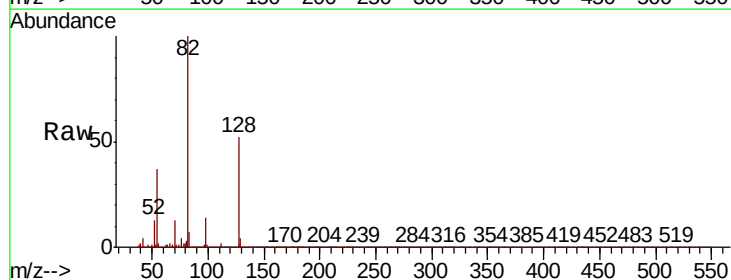
Instrument :
BNA_P
ClientSampled :

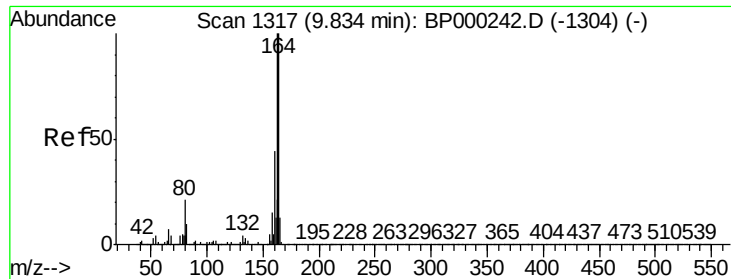
Tot Ion	82	Resp	829016
Ion Ratio	Lower	Upper	
82	100		
128	52.1	40.7	61.1
54	37.0	30.1	45.1



#25
Isophorone
Concen: 41.721 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Tgt Ion	82	Resp	828836
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: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampled :

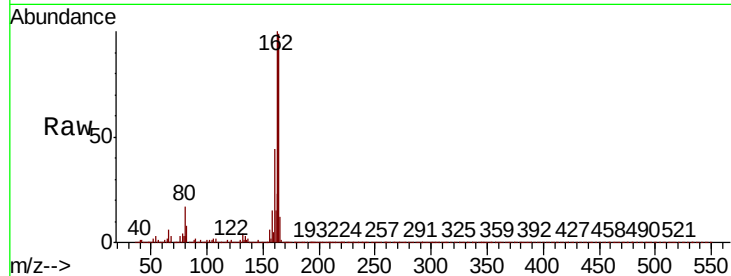
Tot Ion:164 Resp: 366805

Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

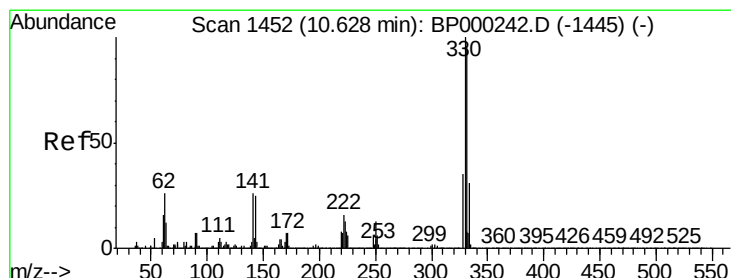
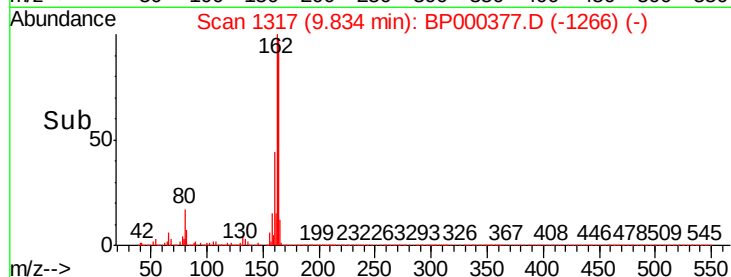
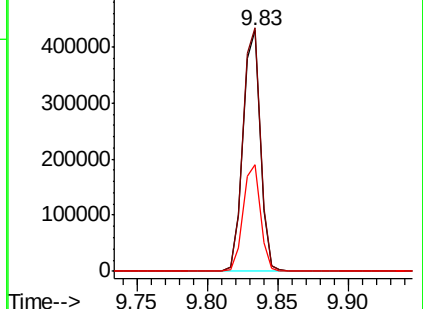
160 44.3 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 150.728 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

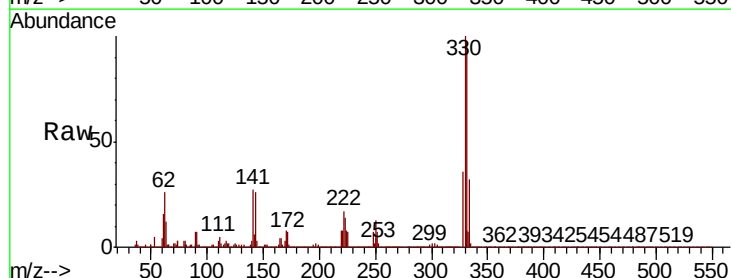
Tgt Ion:330 Resp: 548382

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

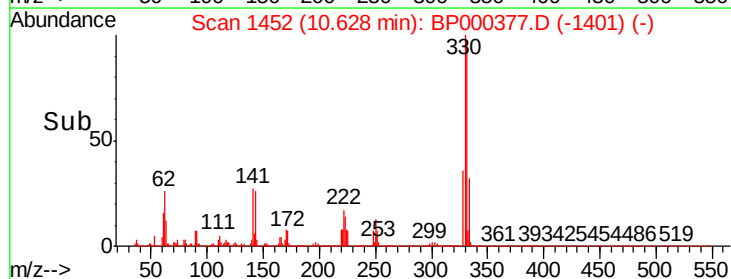
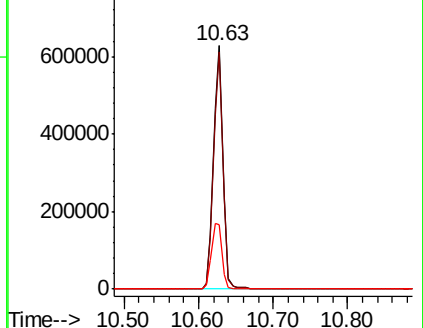
141 30.5 26.5 39.7

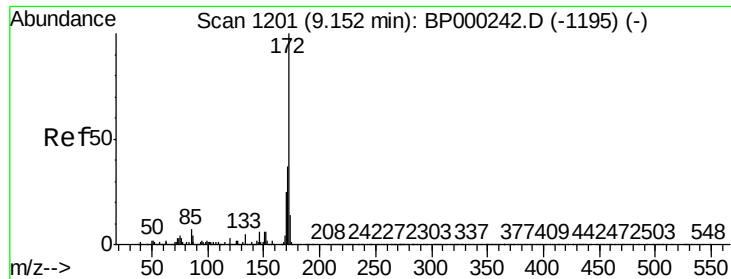


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 89.047 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampleId :

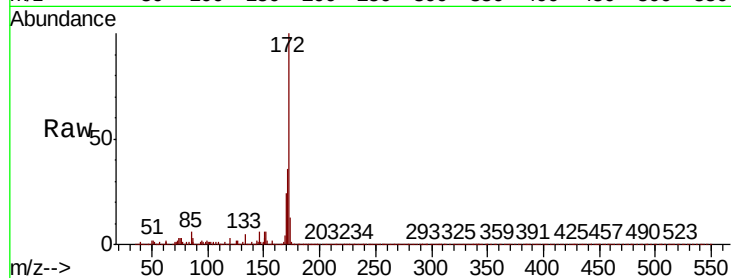
Tot Ion:172 Resp: 1814798

Ion Ratio Lower Upper

172 100

171 36.4 29.8 44.6

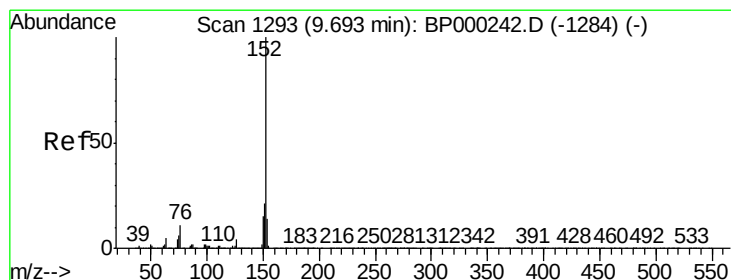
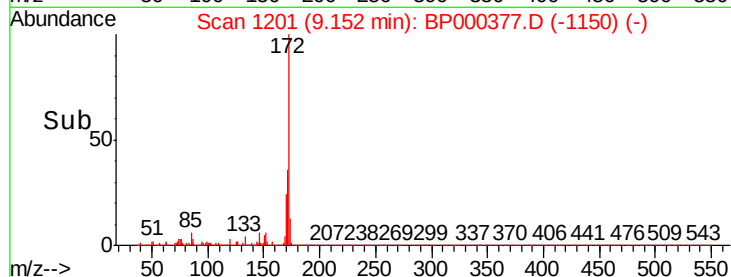
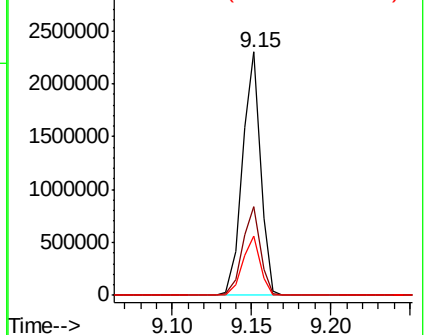
170 24.3 19.8 29.6



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



#49

Acenaphthylene

Concen: 2.811 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

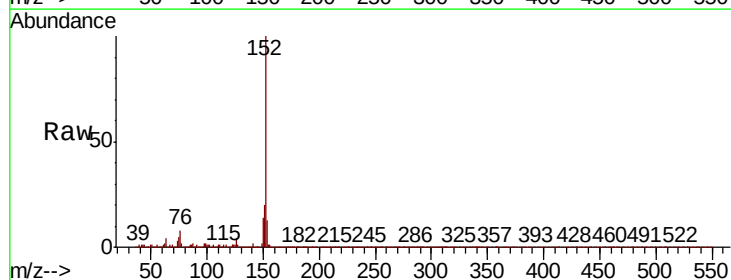
Tgt Ion:152 Resp: 89931

Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

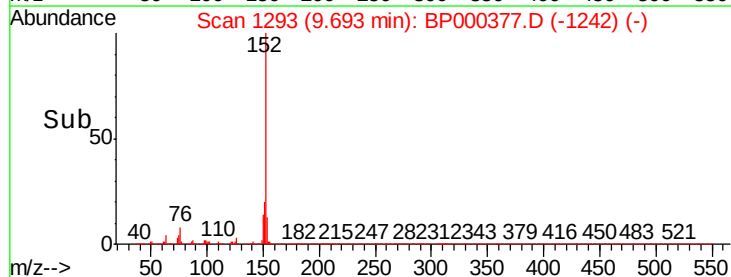
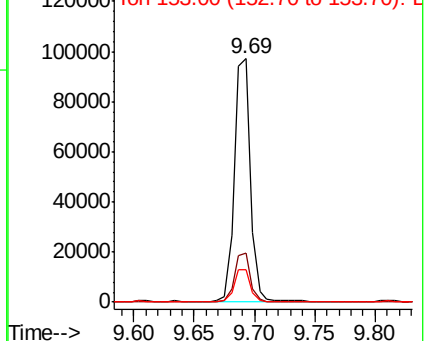
153 13.2 11.0 16.4

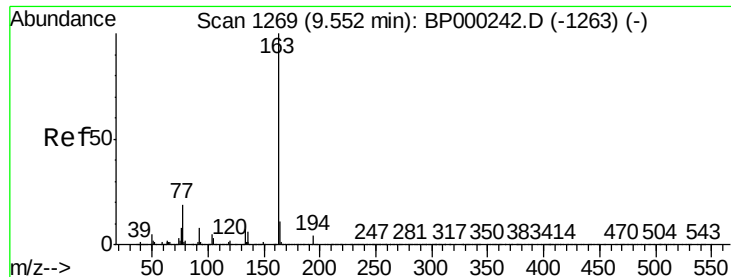


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 8.172 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampleId :

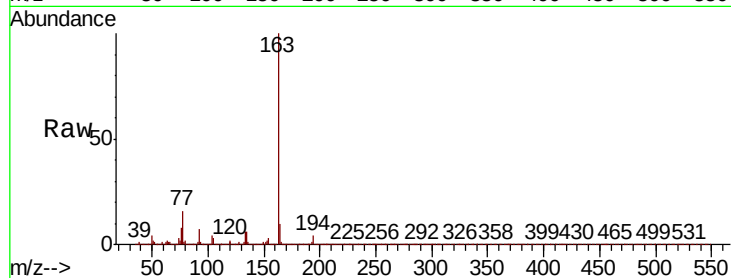
Tot Ion:163 Resp: 204232

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

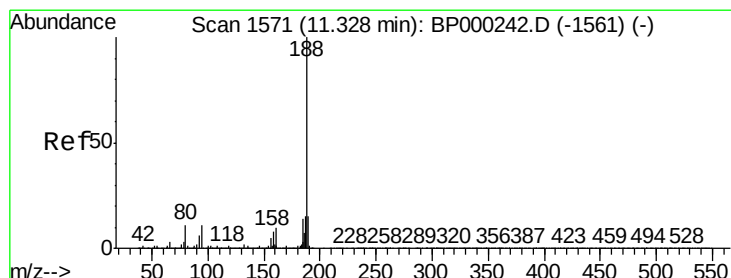
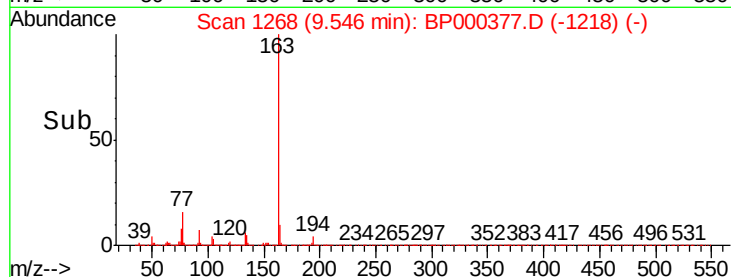
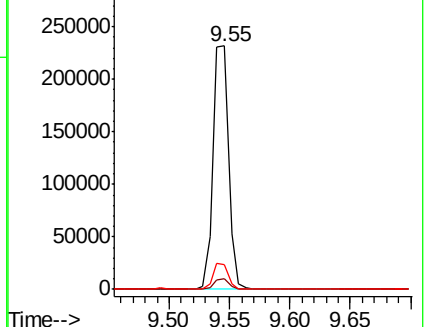
164 10.1 8.5 12.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

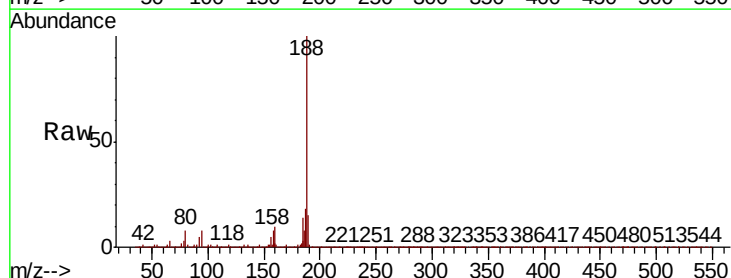
Tgt Ion:188 Resp: 738550

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

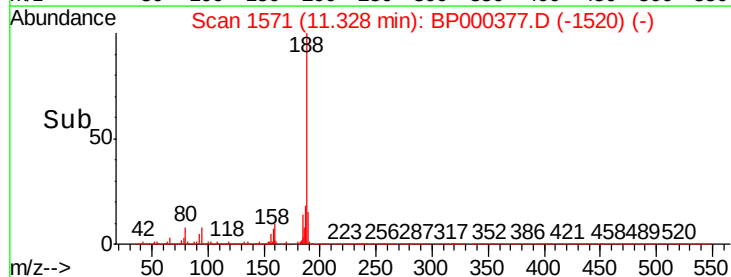
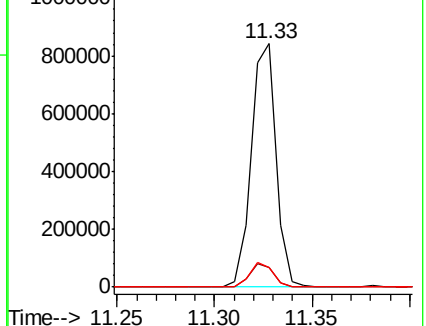
80 8.2 8.6 13.0#

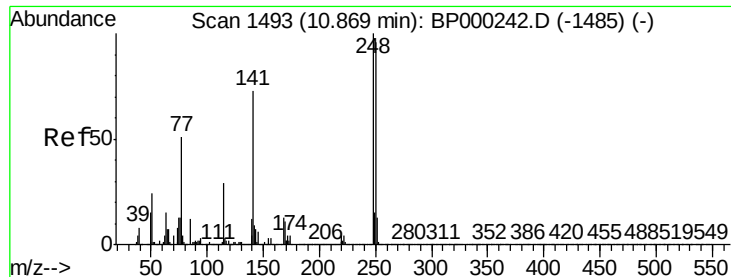


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

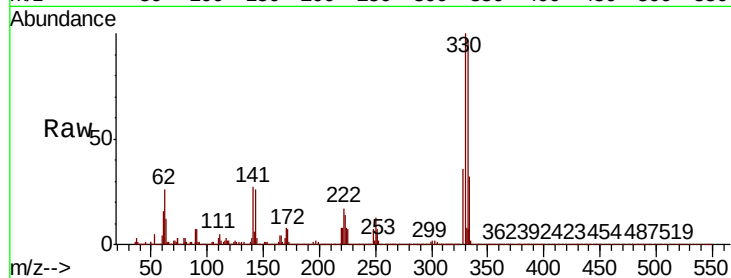




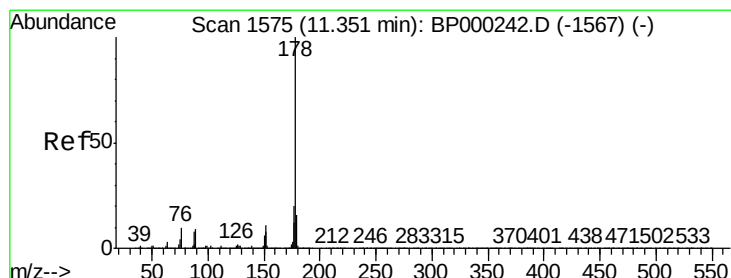
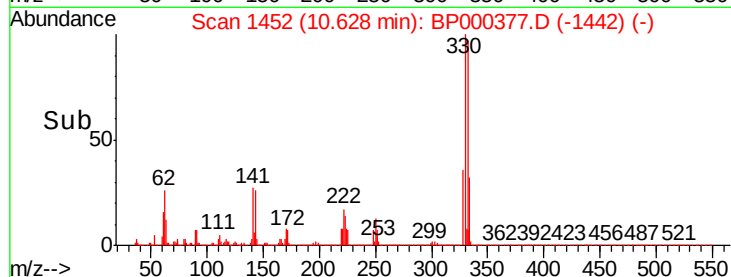
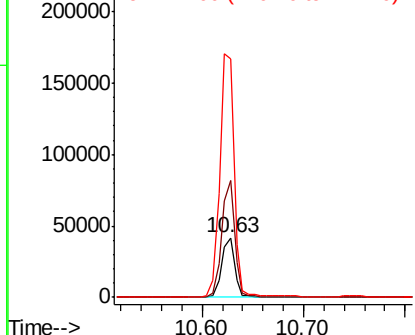
#67
4-Bromophenyl-phenylether
Concen: 4.497 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Instrument :
BNA_P
ClientSampled :

Tot Ion:248 Resp: 37557
Ion Ratio Lower Upper
248 100
250 196.2 77.0 115.4#
141 399.4 58.5 87.7#

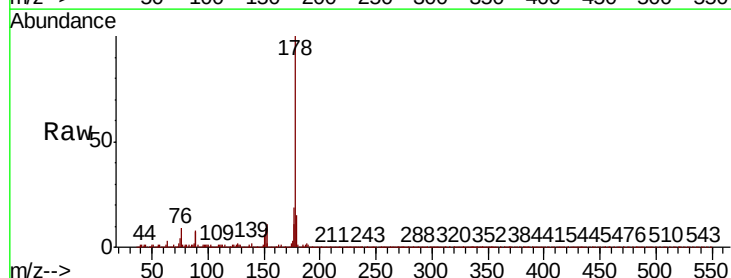


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

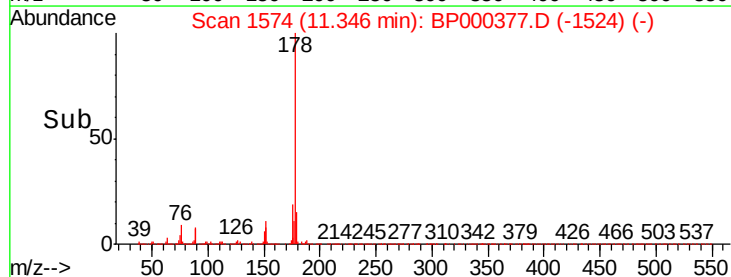
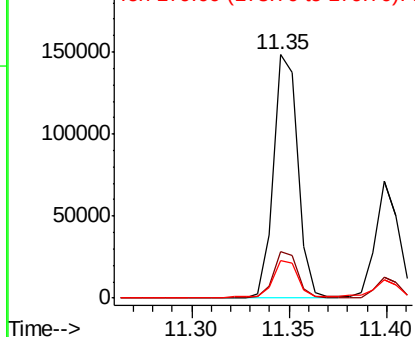


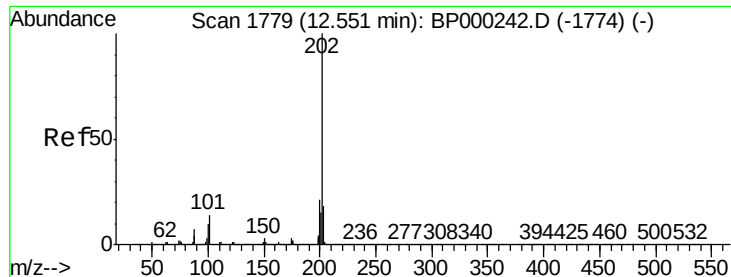
#71
Phenanthrene
Concen: 3.453 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Tgt Ion:178 Resp: 127788
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.3 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: 5.517 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000377.D

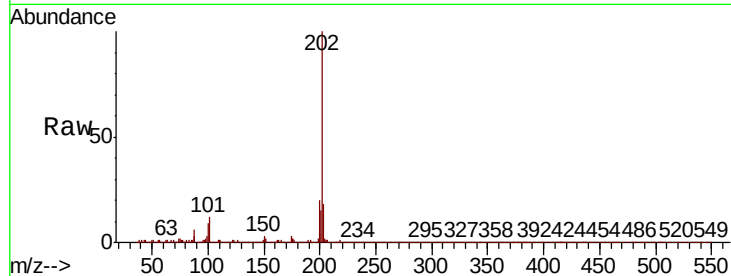
Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampleId :

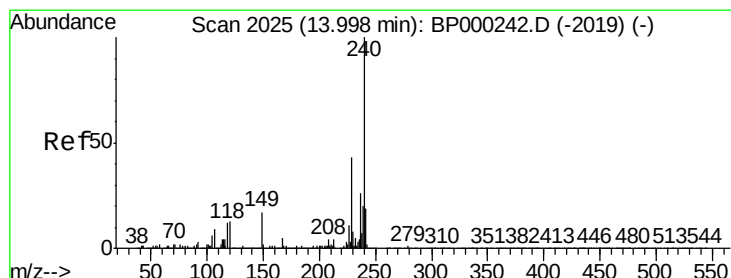
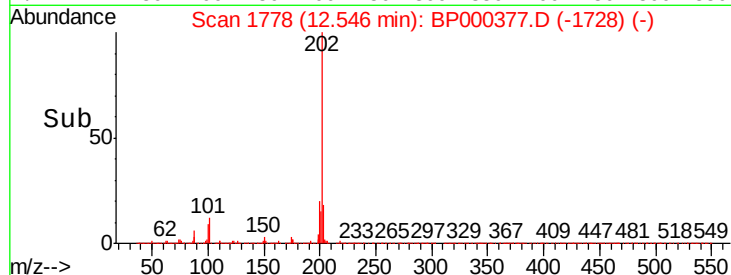
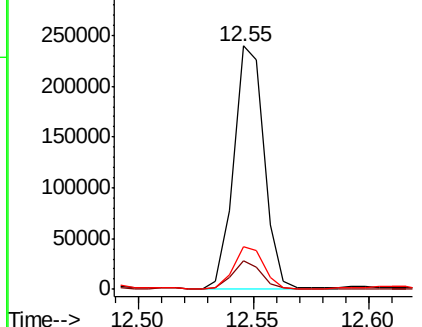
Tot Ion:	202	Resp:	219265
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.9
203	17.7	0.0	38.0



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

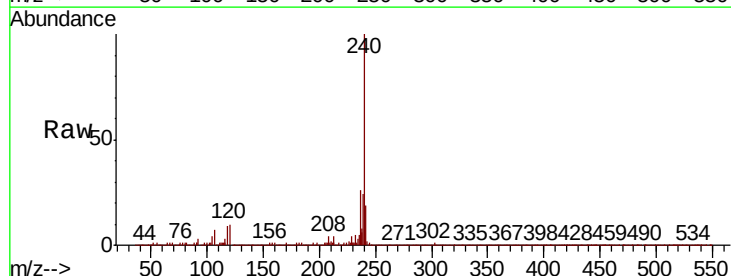
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

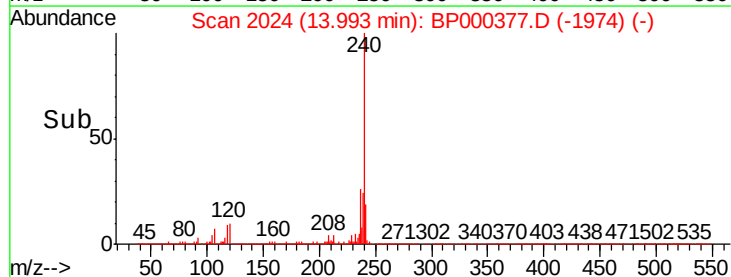
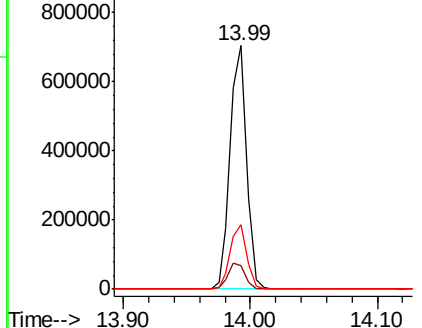
Tgt Ion:	240	Resp:	628450
Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.4	15.6#
236	26.3	21.0	31.6

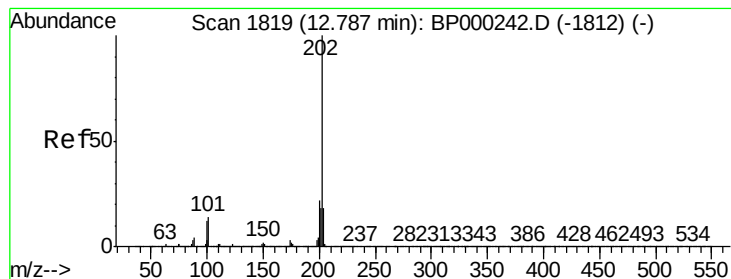


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.678 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampled :

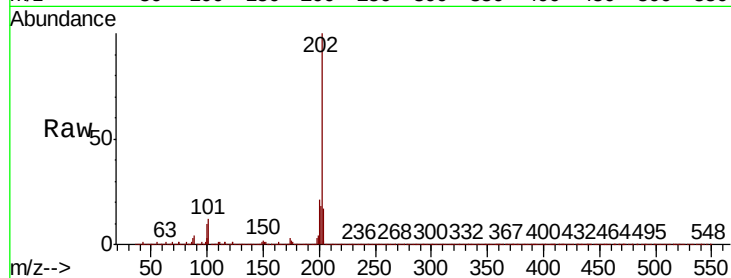
Tot Ion:202 Resp: 313980

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

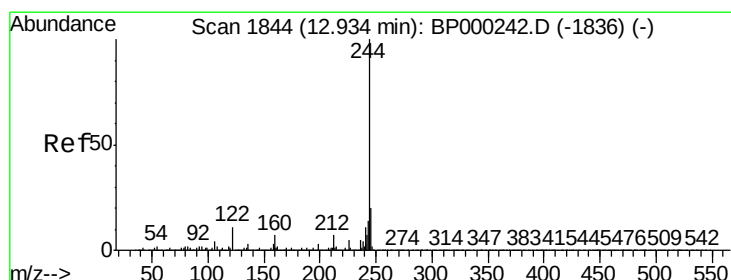
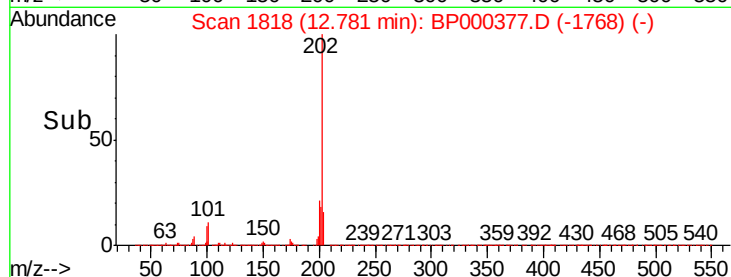
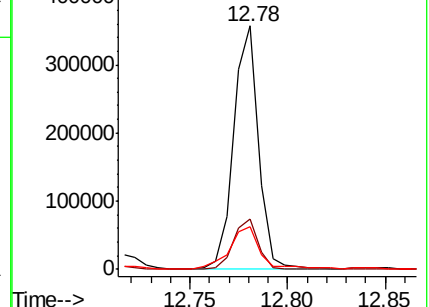
203 17.3 14.3 21.5



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: 80.225 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

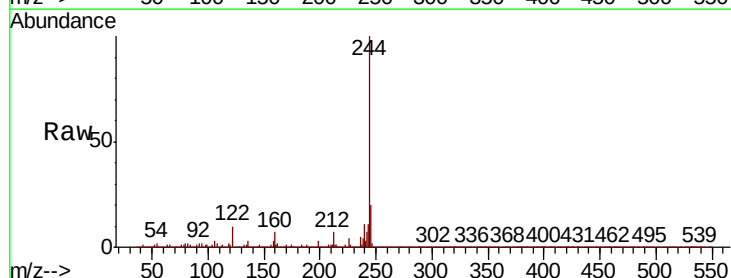
Tgt Ion:244 Resp: 2403296

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

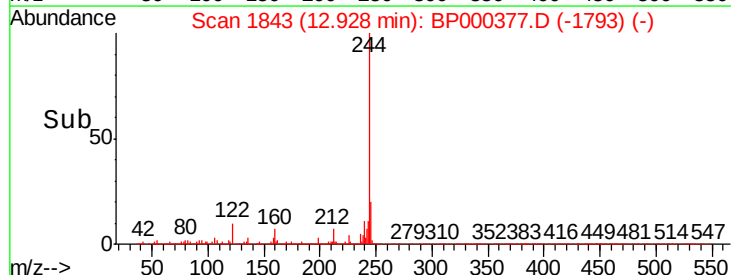
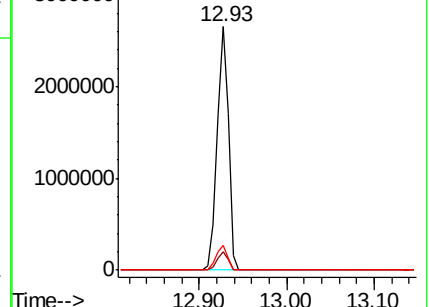
122 10.2 9.0 13.4

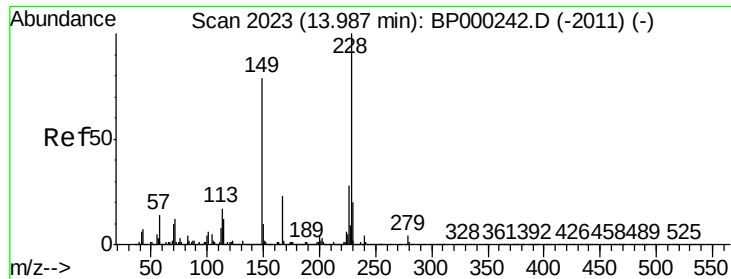


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

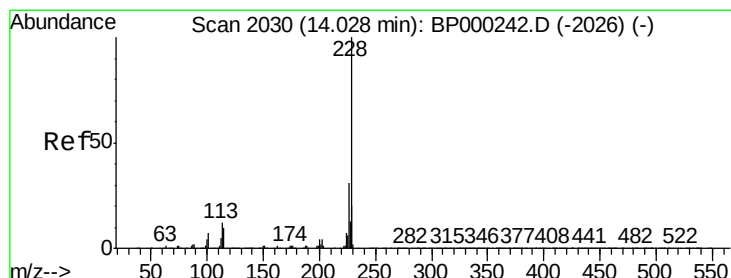
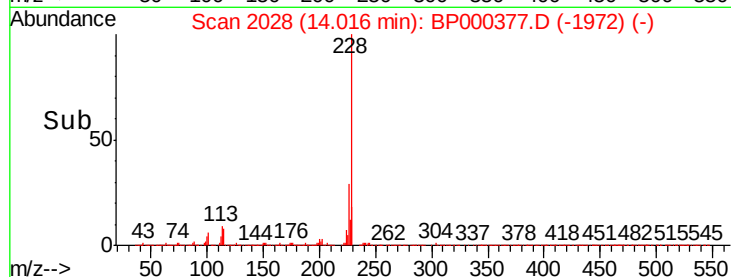
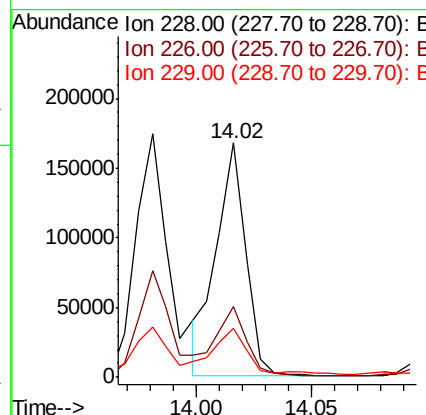
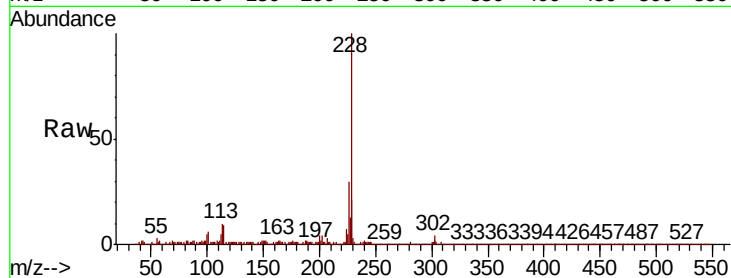




#81
Benzo(a)anthracene
Concen: 3.742 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.03 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

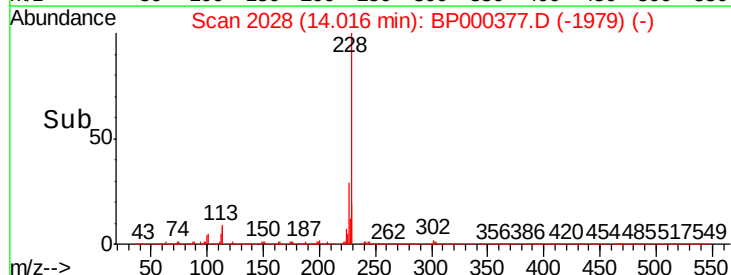
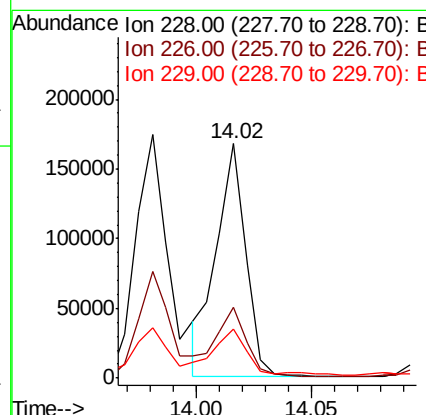
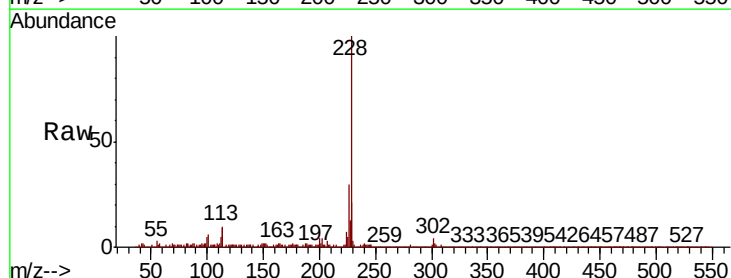
Instrument :
BNA_P
ClientSampled :

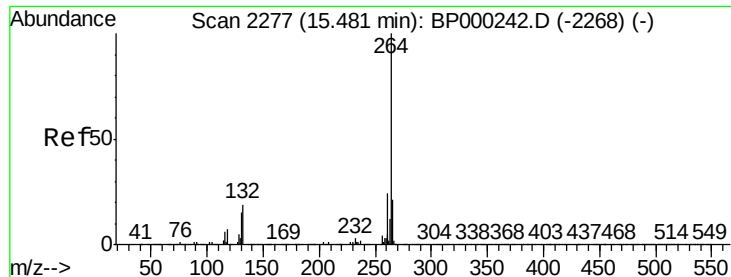
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.4
229	21.2	16.0	24.0



#83
Chrysene
Concen: 3.811 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	21.2	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: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampleId :

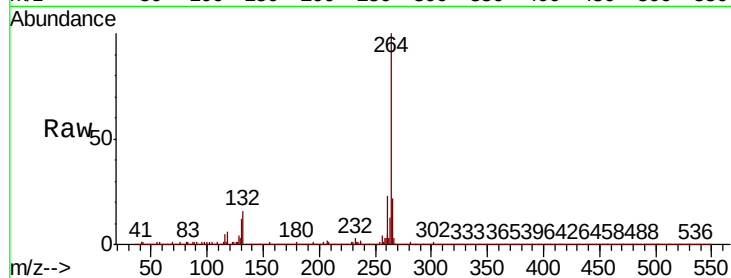
Tot Ion:264 Resp: 722776

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.8 17.2 25.8

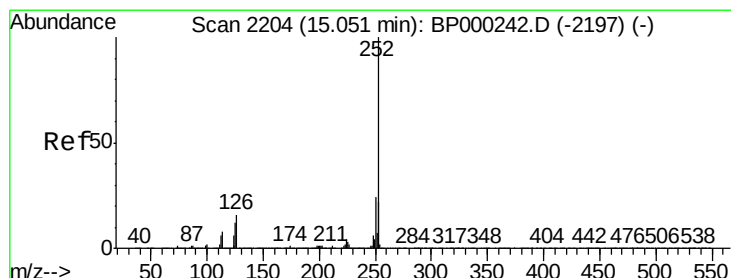
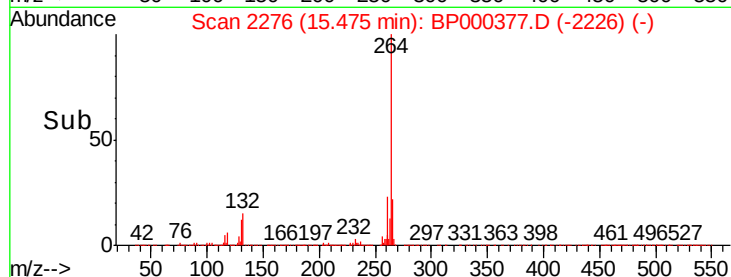
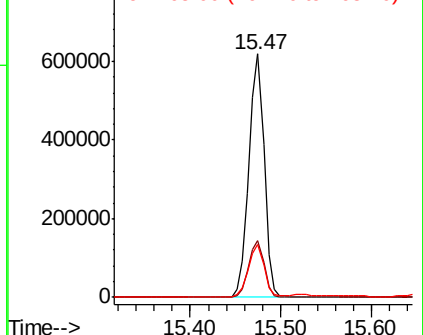


Abundance

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: 5.816 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

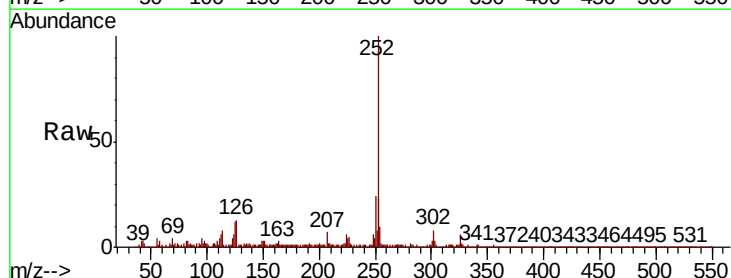
Tgt Ion:252 Resp: 250764

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 12.0 9.5 14.3

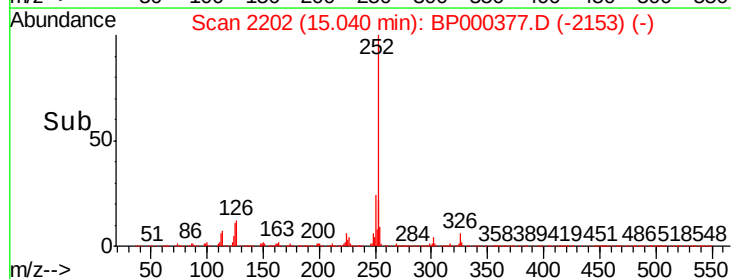
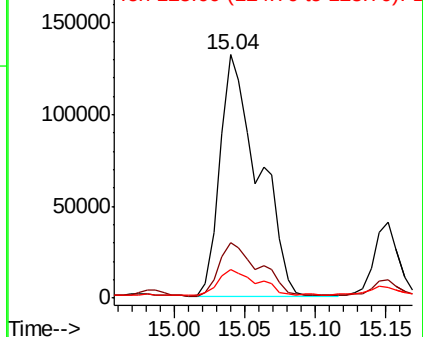


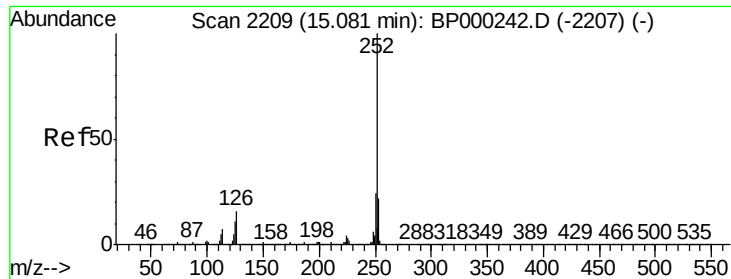
Abundance

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

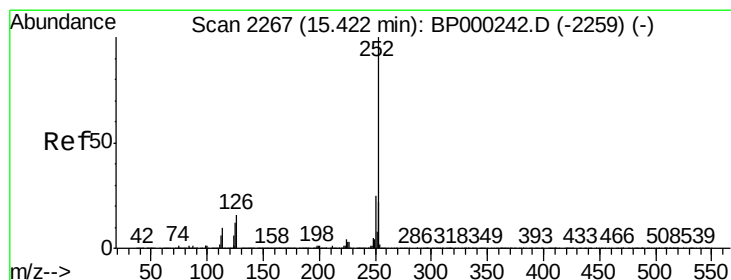
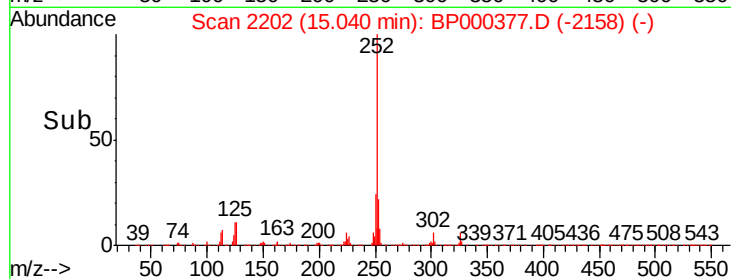
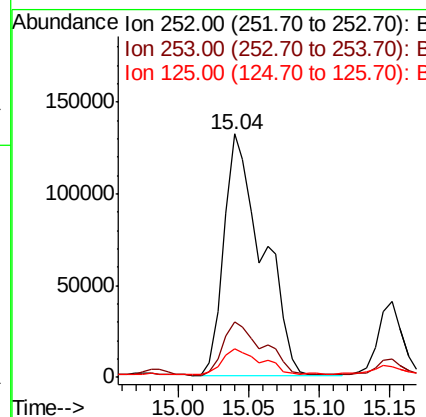
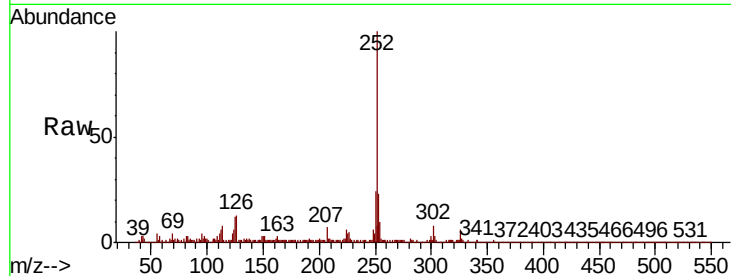




#89
Benzo(k)fluoranthene
Concen: 6.667 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

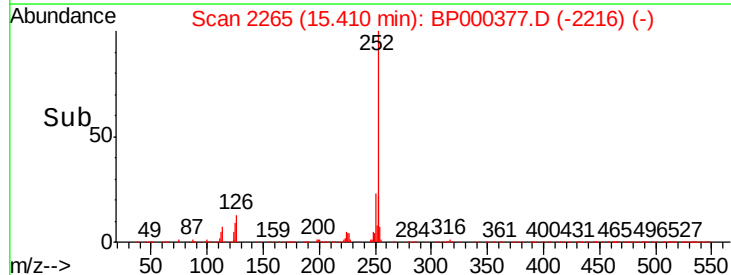
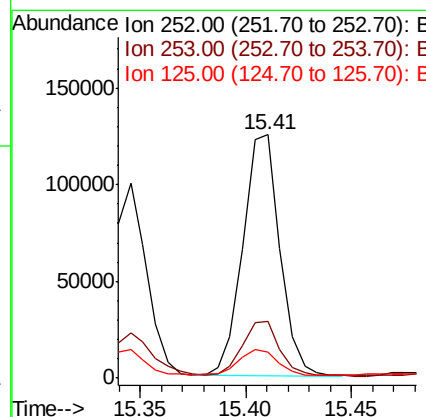
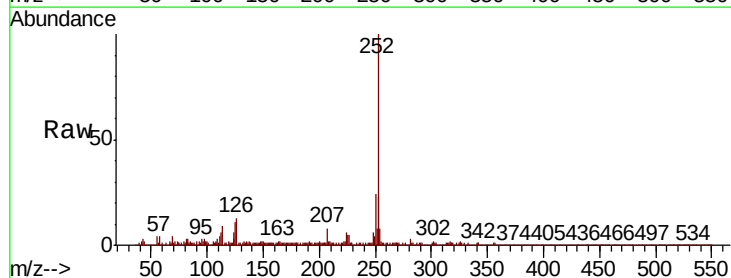
Instrument :
BNA_P
ClientSampleId :

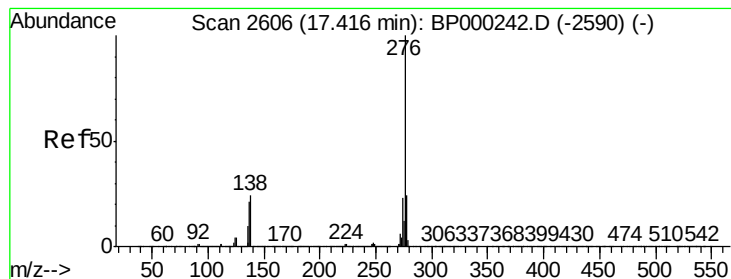
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	12.0	9.6	14.4



#90
Benzo(a)pyrene
Concen: 3.863 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000377.D
Acq: 23 Sep 2019 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	10.5	10.0	15.0





#92

Benzo(a,h,i)perylene

Concen: 2.585 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BP000377.D

Acq: 23 Sep 2019 21:54

Instrument :

BNA_P

ClientSampleId :

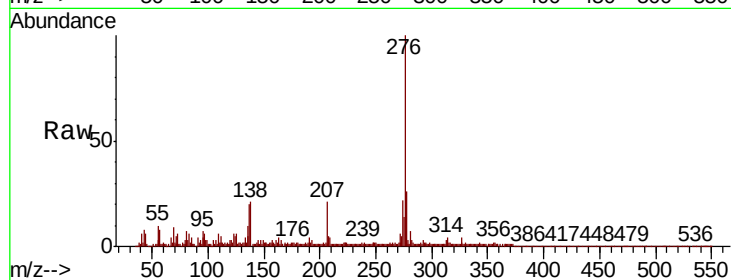
Tot Ion: 276 Resp: 97210

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 20.8 19.5 29.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

