

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\
 Data File : BP002993.D
 Acq On : 14 Aug 2020 19:54
 Operator : CG/JU
 Sample : L3501-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 01:10:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 11 17:14:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	393189	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	1496914	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	818776	20.00	ng	-0.01
64) Phenanthrene-d10	17.08	188	1711133	20.00	ng	-0.01
76) Chrysene-d12	21.17	240	1750434	20.00	ng	0.00
86) Perylene-d12	23.43	264	1845903	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	390887	15.22	ng	0.00
7) Phenol-d6	6.86	99	498580	13.98	ng	-0.02
23) Nitrobenzene-d5	8.83	82	256913	9.30	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	165299	16.24	ng	-0.01
45) 2-Fluorobiphenyl	12.95	172	771561	12.88	ng	-0.01
79) Terphenyl-d14	19.66	244	900609	10.30	ng	-0.01

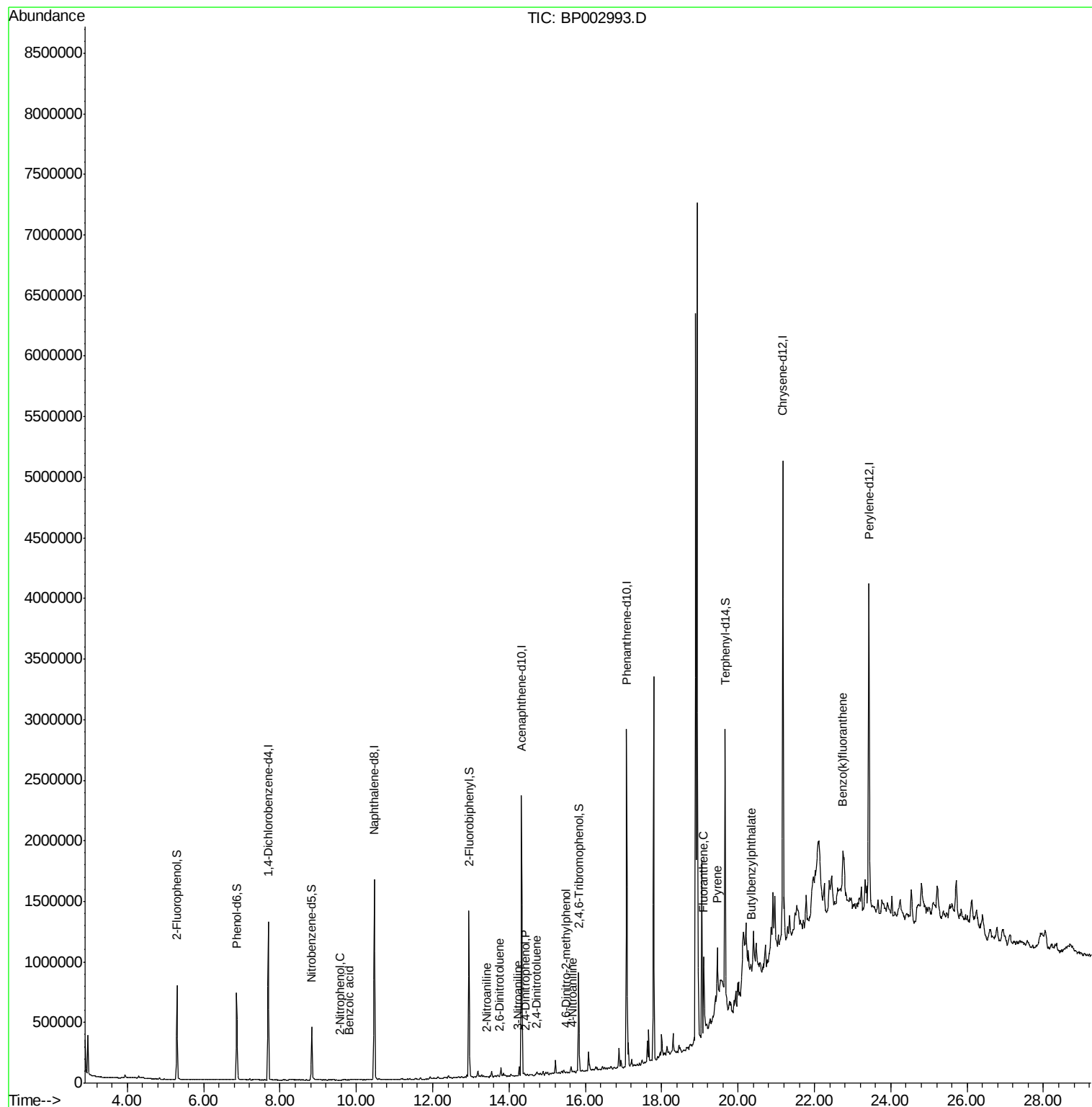
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.58	139	48	4.524	ng	# 1
32) Benzoic acid	9.82	122	108	7.693	ng	# 54
48) 2-Nitroaniline	13.40	65	408	4.000	ng	# 30
51) 2,6-Dinitrotoluene	13.75	165	198	2.912	ng	# 98
53) 3-Nitroaniline	14.24	138	244	3.288	ng	# 72
54) 2,4-Dinitrophenol	14.43	184	16	8.060	ng	# 1
57) 2,4-Dinitrotoluene	14.70	165	160	3.814	ng	# 40
62) 4-Nitroaniline	15.66	138	252	2.432	ng	# 86
65) 4,6-Dinitro-2-methylphenol	15.49	198	91	6.909	ng	# 1
75) Fluoranthene	19.10	202	333611	2.886	ng	# 99
78) Pyrene	19.45	202	301975	2.468	ng	# 98
80) Butylbenzylphthalate	20.34	149	9135	3.230	ng	# 85
89) Benzo(k)fluoranthene	22.75	252	248171	2.016	ng	# 85

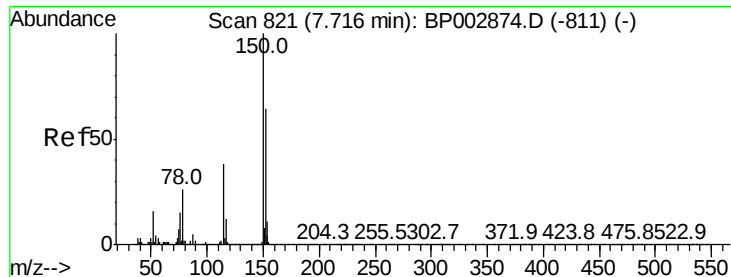
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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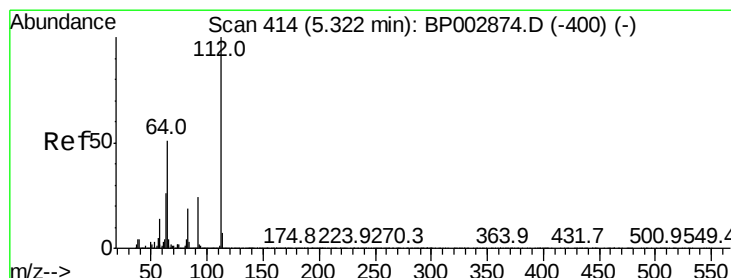
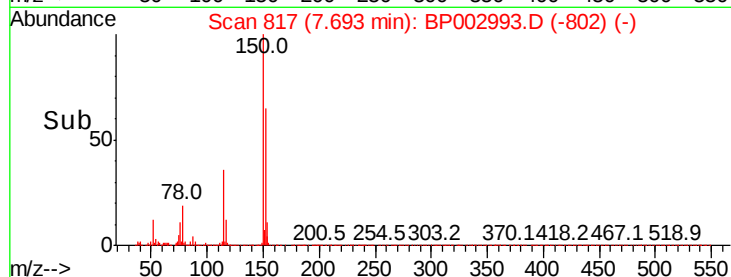
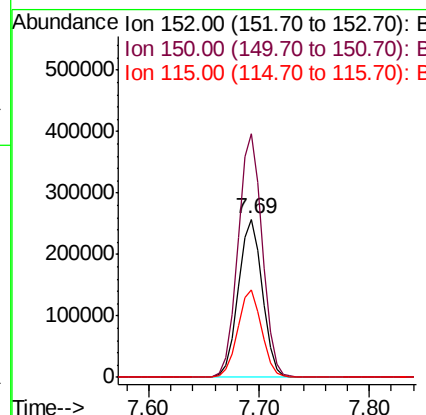
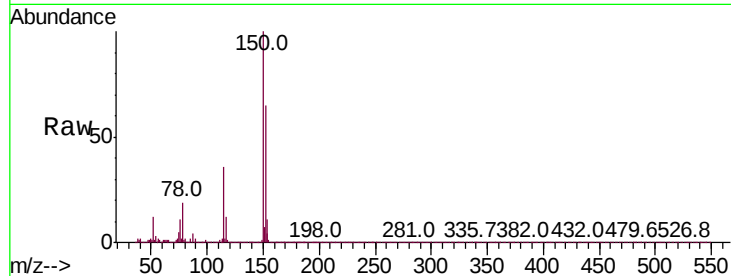


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Instrument :
BNA_P
ClientSampleId :

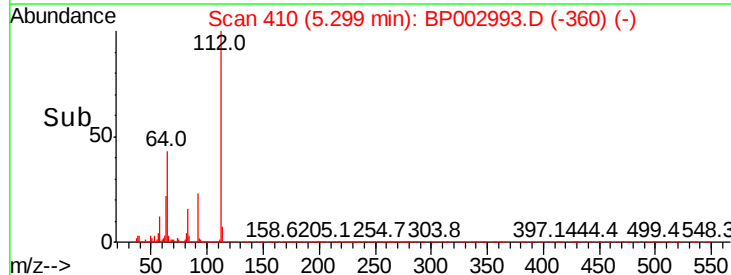
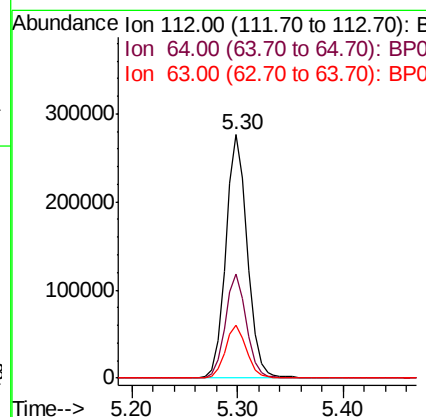
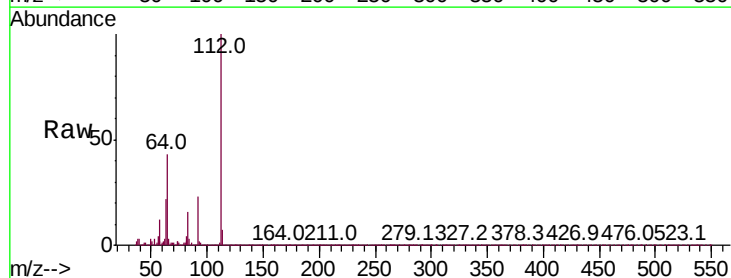
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.2	186.4
115	55.2	42.1	63.1

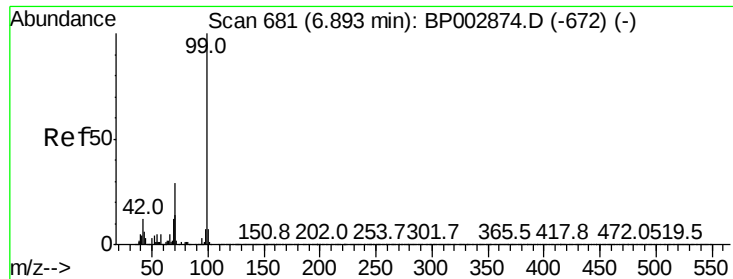


#5

2-Fluorophenol
Concen: 15.215 ng
RT: 5.30 min Scan# 410
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.7	33.8	50.8
63	21.8	17.2	25.8





#7

Phenol-d6

Concen: 13.978 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.02 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Instrument :

BNA_P

ClientSampleId :

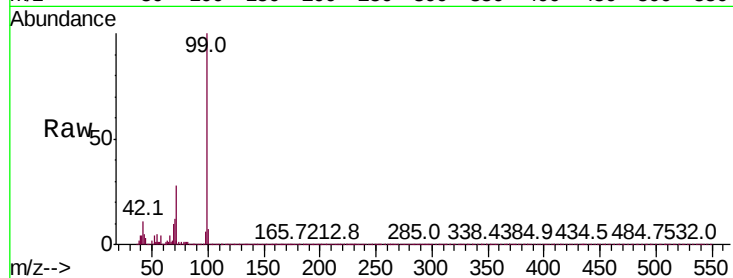
Tot Ion: 99 Resp: 498580

Ion Ratio Lower Upper

99 100

42 10.7 8.1 12.1

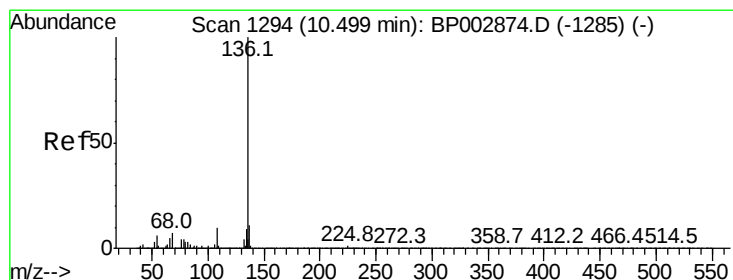
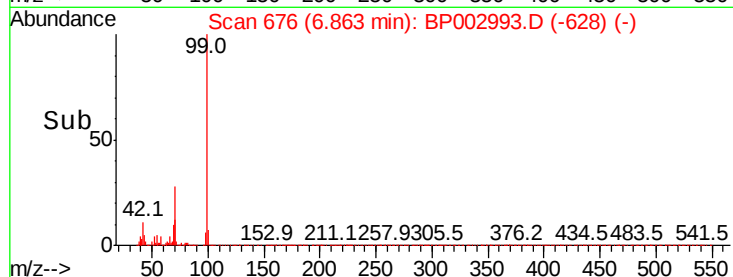
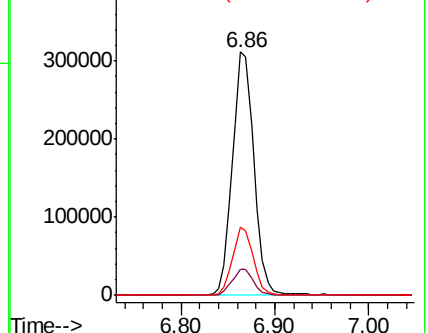
71 27.9 21.0 31.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Tgt Ion: 136 Resp: 1496914

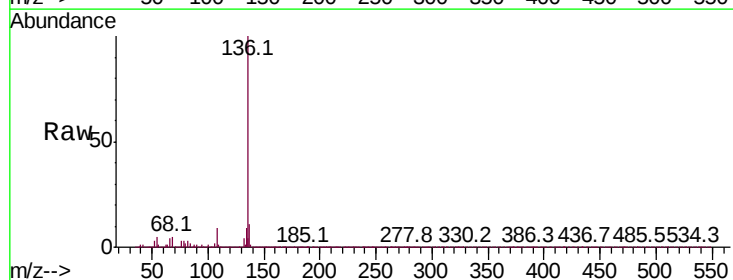
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 4.8 3.9 5.9

68 4.8 3.8 5.8

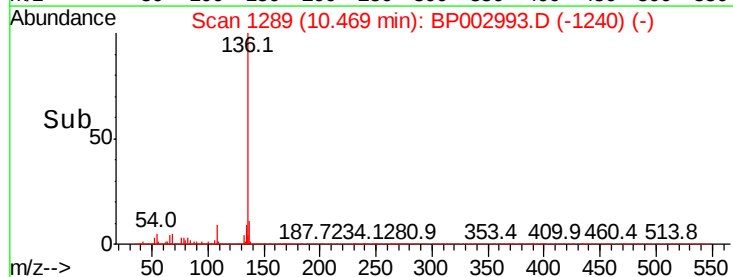
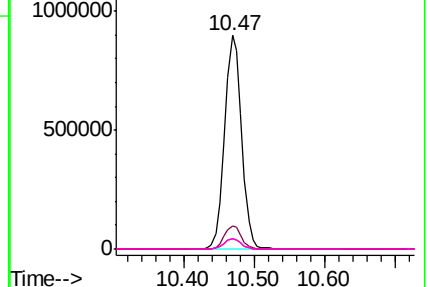


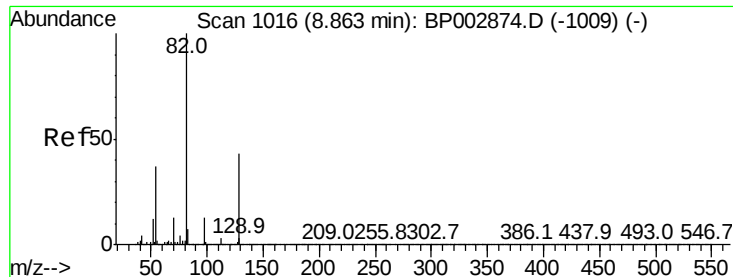
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0





#23

Nitrobenzene-d5

Concen: 9.296 ng

RT: 8.83 min Scan# 1011

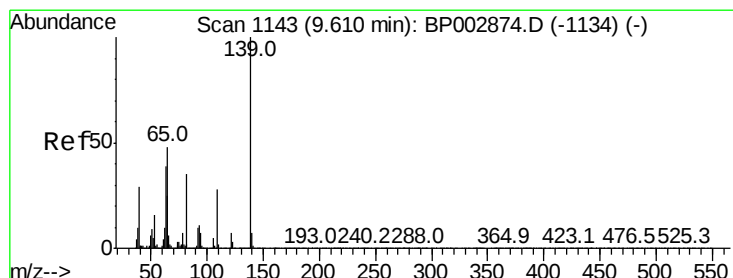
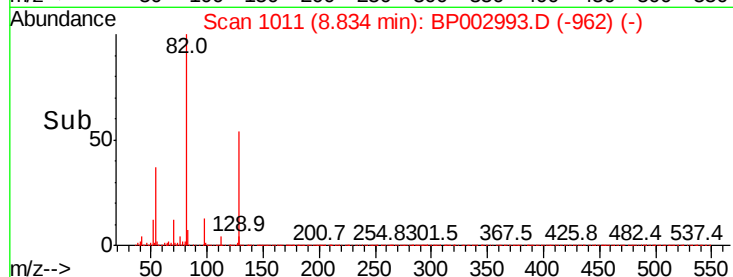
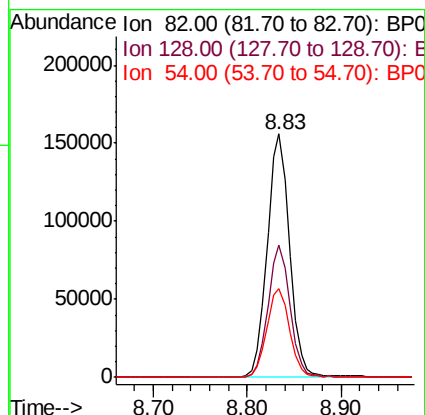
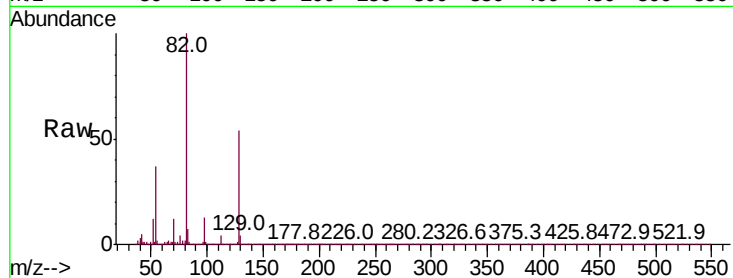
Delta R.T. -0.01 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Instrument :
BNA_P
ClientSampleId :

Tot Ion	82	Resp	256913
Ion Ratio	100	Lower	Upper
128	54.2	44.6	66.8
54	36.7	29.2	43.8



#26

2-Nitrophenol

Concen: 4.524 ng

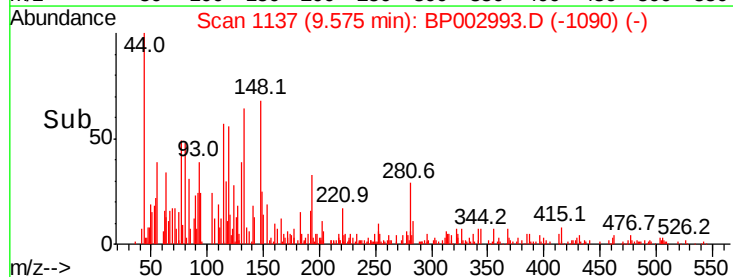
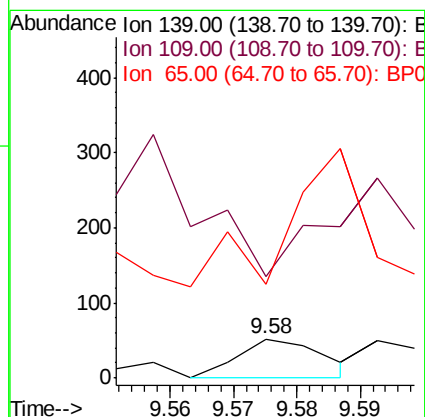
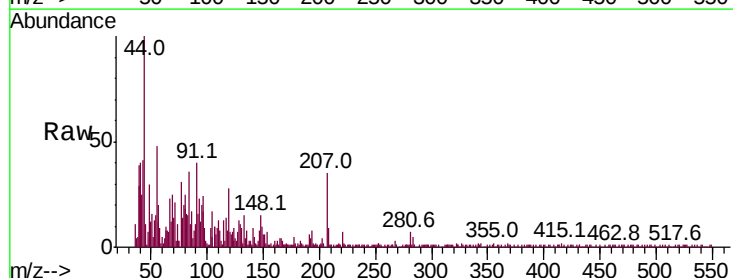
RT: 9.58 min Scan# 1137

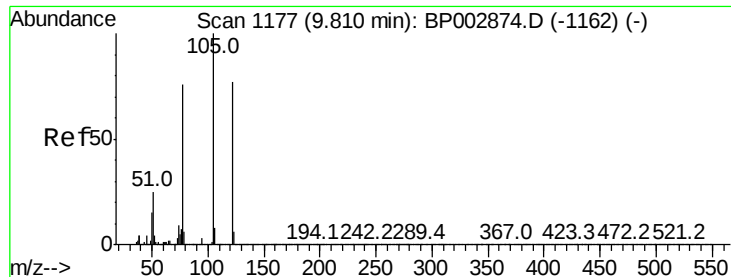
Delta R.T. -0.02 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Tgt Ion	139	Resp	48
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
109	259.6	19.5	29.3#
65	240.4	26.6	40.0#

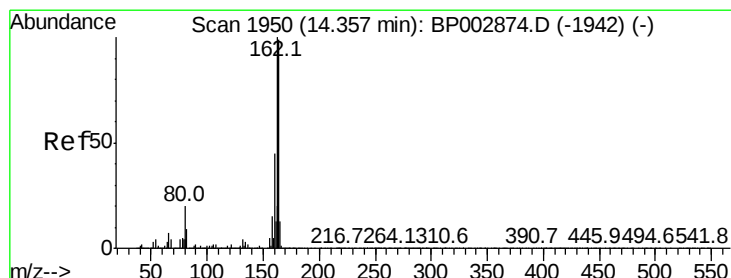
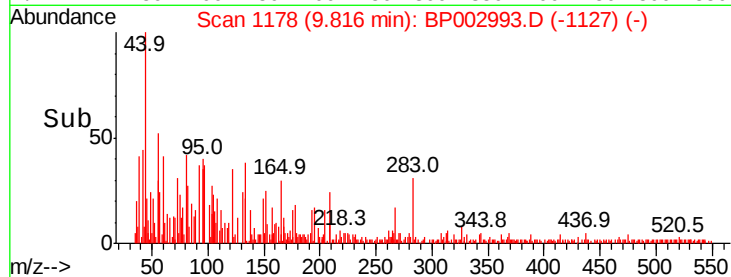
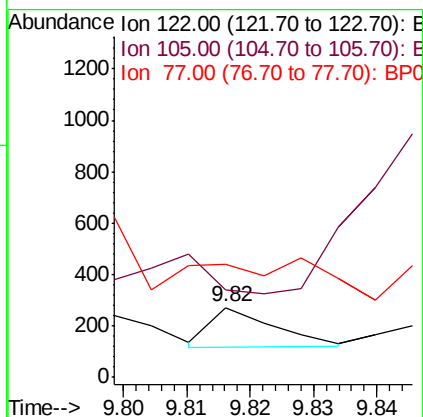
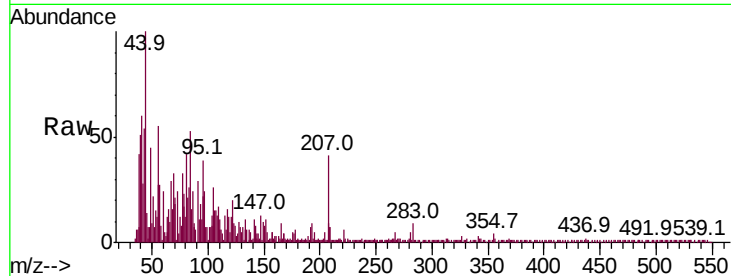




#32
Benzoic acid
Concen: 7.693 ng
RT: 9.82 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

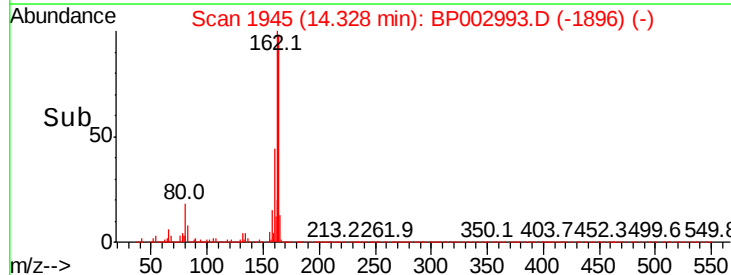
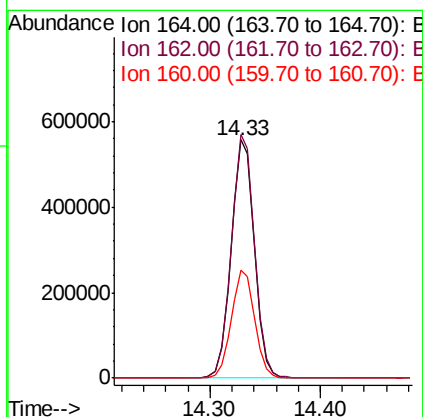
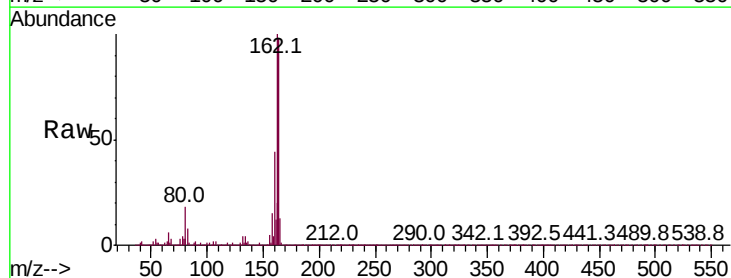
Instrument :
BNA_P
ClientSampleId :

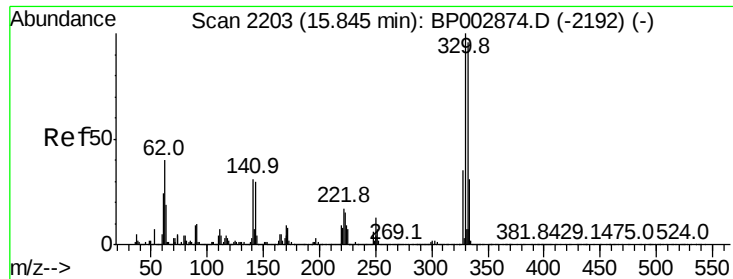
Tot Ion	Ratio	Lower	Upper
122	100		
105	125.5	95.8	135.8
77	161.6	54.7	94.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.0	121.4
160	45.2	36.2	54.4

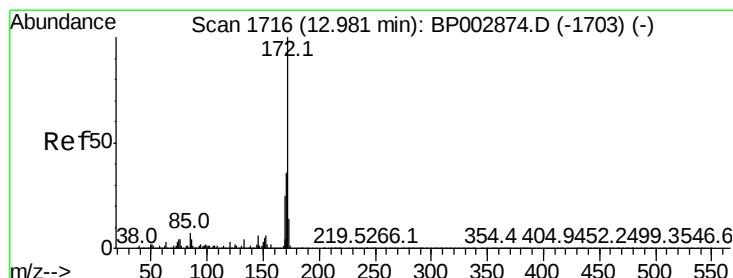
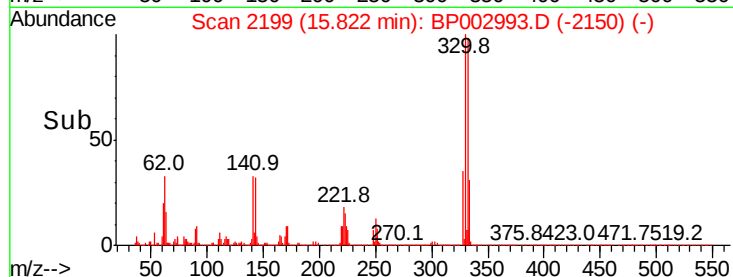
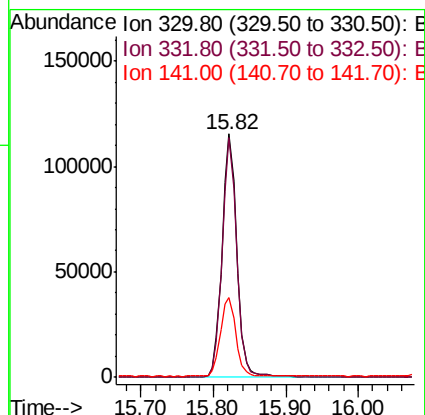
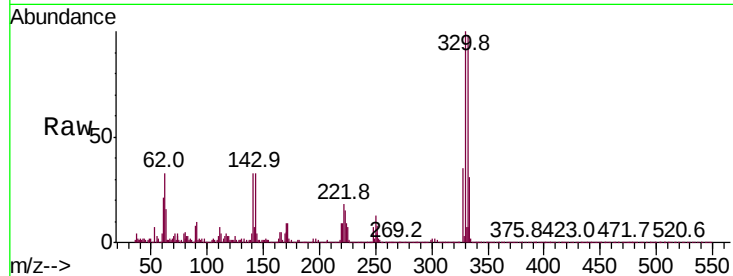




#42
 2,4,6-Tribromophenol
 Concen: 16.243 ng
 RT: 15.82 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BP002993.D
 Acq: 14 Aug 2020 19:54

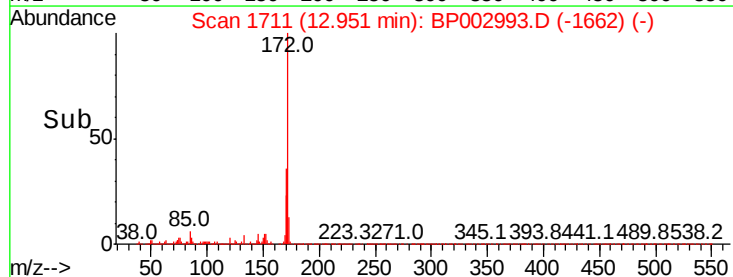
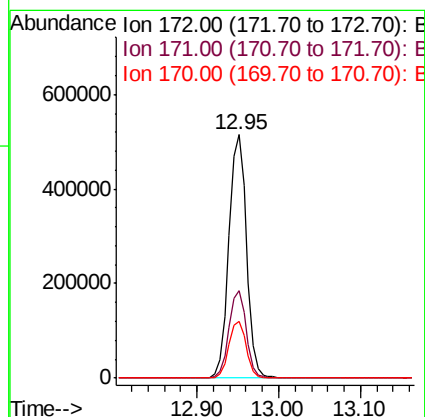
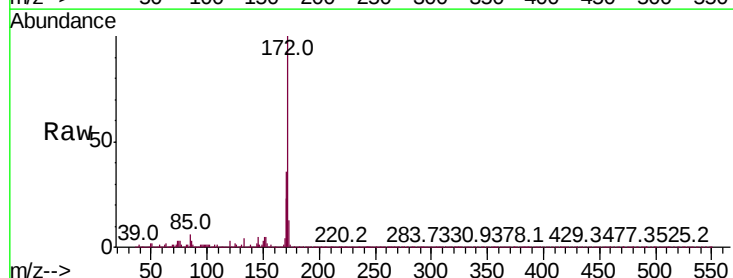
Instrument :
 BNA_P
 ClientSampleId :

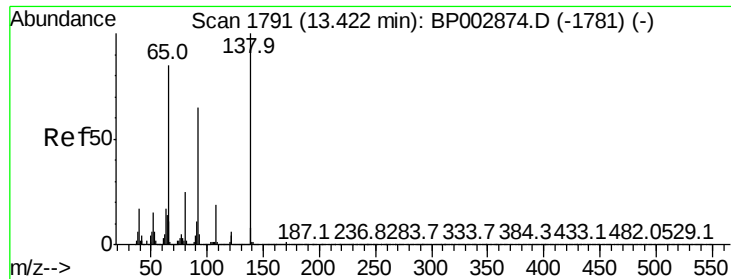
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.4
141	34.4	28.6	43.0



#45
 2-Fluorobiphenyl
 Concen: 12.875 ng
 RT: 12.95 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BP002993.D
 Acq: 14 Aug 2020 19:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.2	19.6	29.4

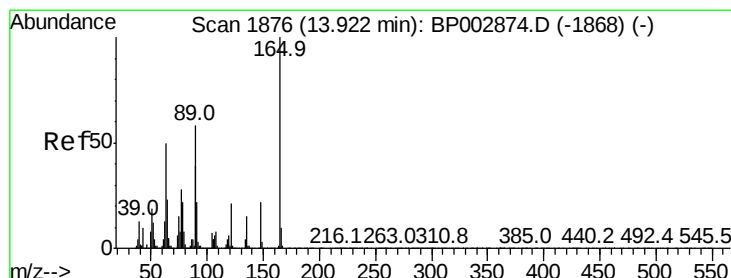
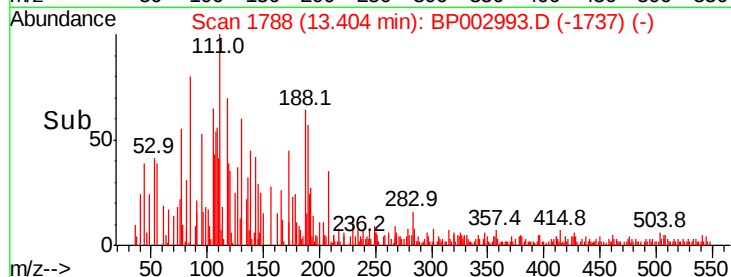
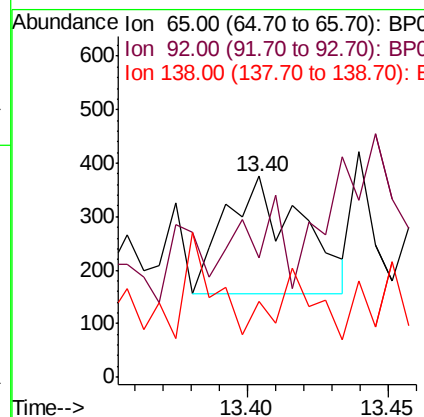
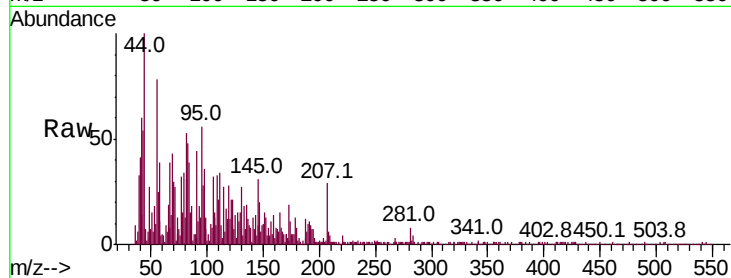




#48
2-Nitroaniline
Concen: 4.000 ng
RT: 13.40 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

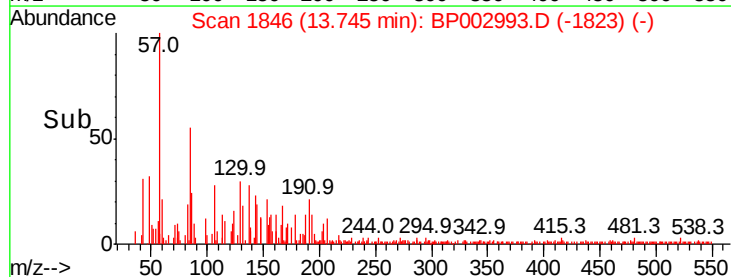
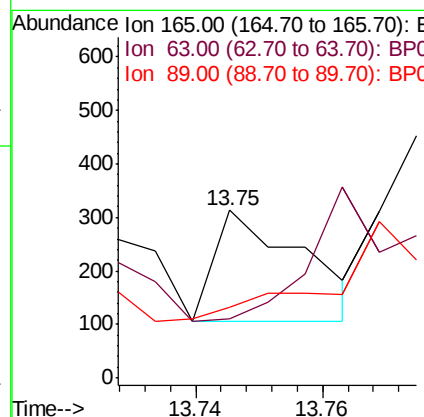
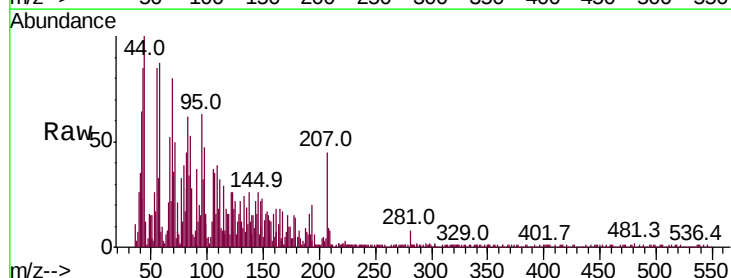
Instrument :
BNA_P
ClientSampled :

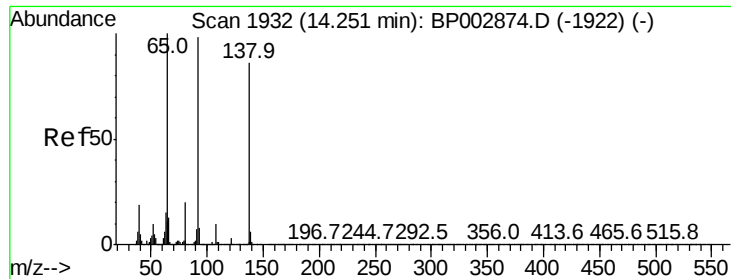
Tot Ion: 65 Resp: 408
Ion Ratio Lower Upper
65 100
92 59.0 69.6 104.4#
138 37.5 125.6 188.4#



#51
2,6-Dinitrotoluene
Concen: 2.912 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.16 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion: 165 Resp: 198
Ion Ratio Lower Upper
165 100
63 35.5 27.5 41.3
89 42.2 35.3 52.9

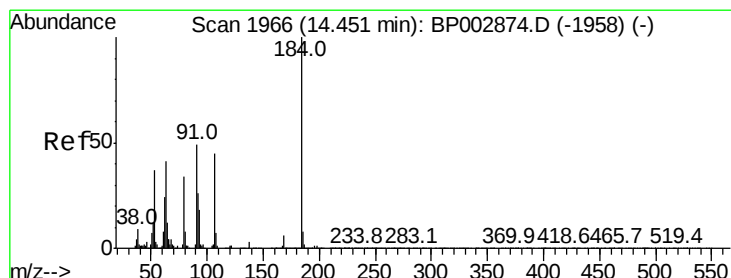
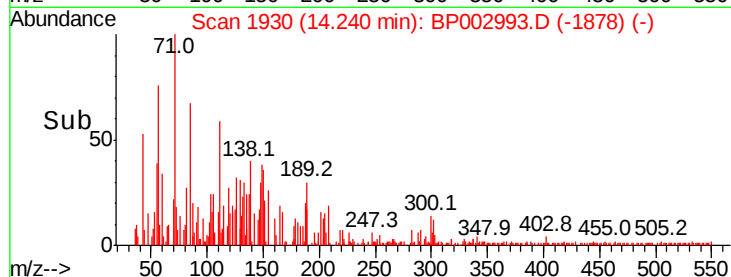
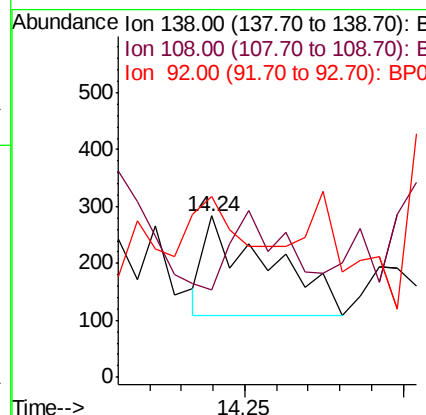
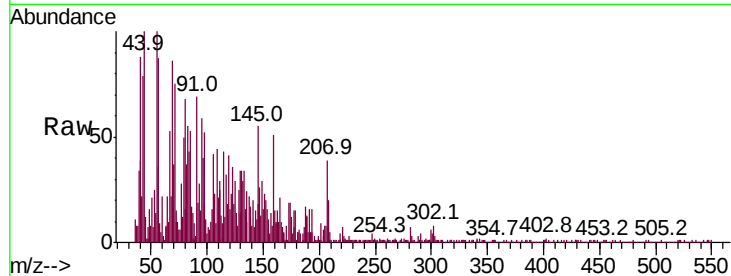




#53
3-Nitroaniline
Concen: 3.288 ng
RT: 14.24 min Scan# 1930
Delta R.T. 0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

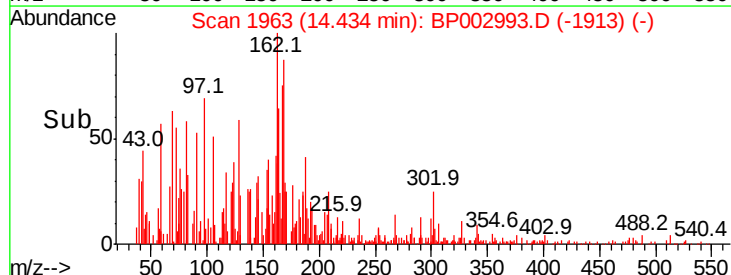
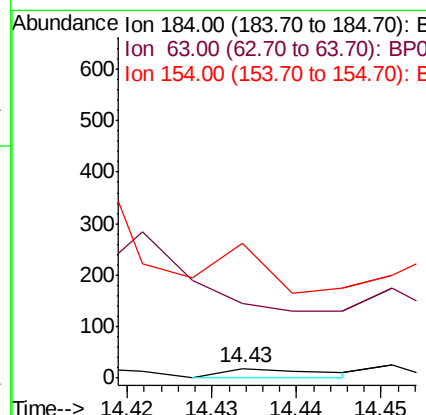
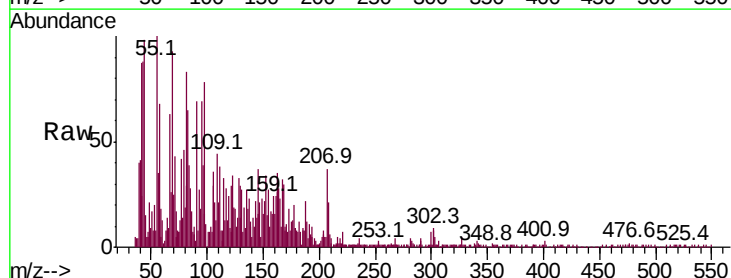
Instrument :
BNA_P
ClientSampled :

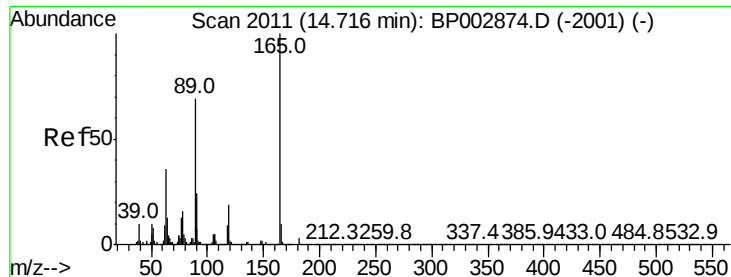
Tot Ion:138 Resp: 244
Ion Ratio Lower Upper
138 100
108 54.4 7.2 10.8#
92 112.4 75.8 113.6



#54
2,4-Dinitrophenol
Concen: 8.060 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion:184 Resp: 16
Ion Ratio Lower Upper
184 100
63 757.9 36.4 54.6#
154 1378.9 46.6 69.8#

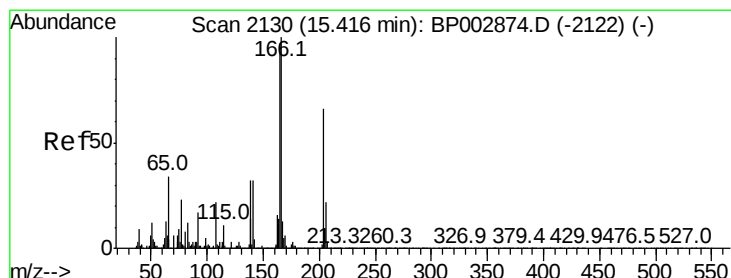
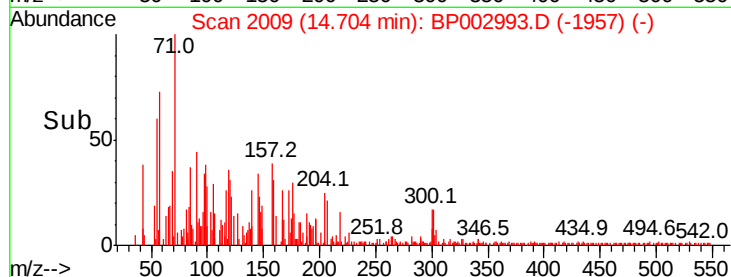
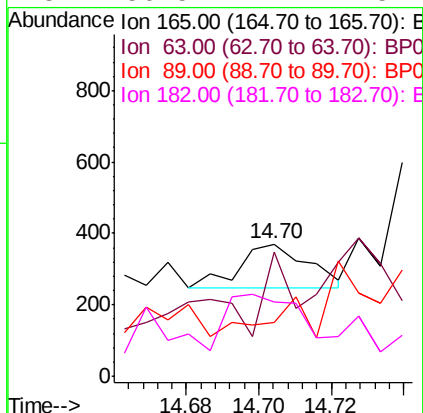
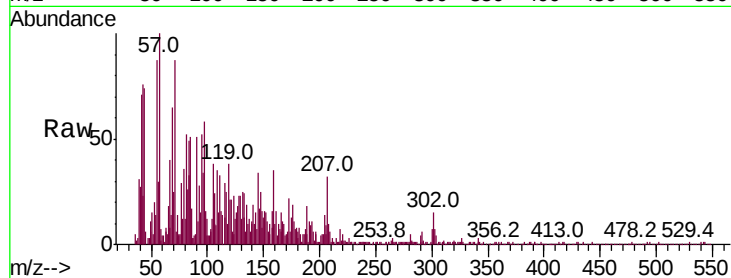




#57
2,4-Dinitrotoluene
Concen: 3.814 ng
RT: 14.70 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

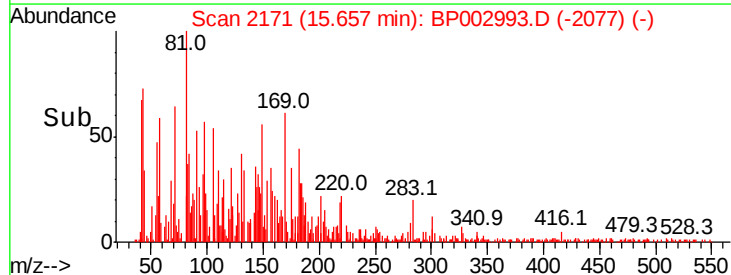
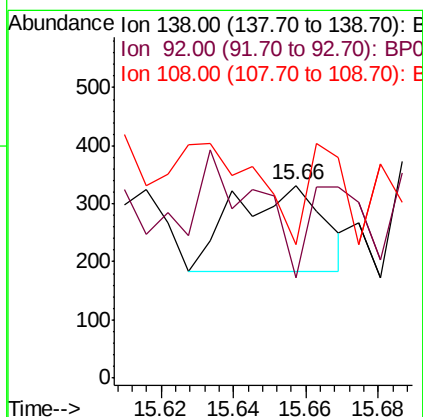
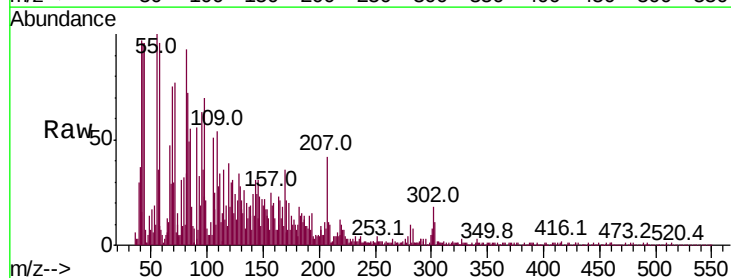
Instrument :
BNA_P
ClientSampleId :

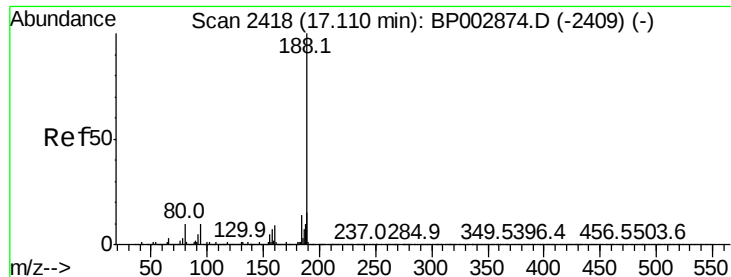
Tot Ion:	165	Resp:	160
Ion	Ratio	Lower	Upper
165	100		
63	94.1	22.6	34.0#
89	40.5	46.2	69.2#
182	56.5	2.2	3.4#



#62
4-Nitroaniline
Concen: 2.432 ng
RT: 15.66 min Scan# 2171
Delta R.T. 0.25 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion:	138	Resp:	252
Ion	Ratio	Lower	Upper
138	100		
92	51.8	21.2	61.2
108	69.3	40.5	80.5

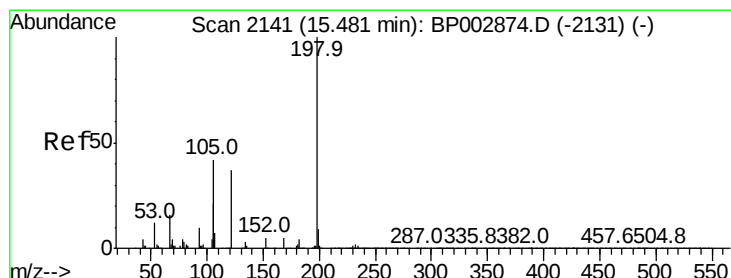
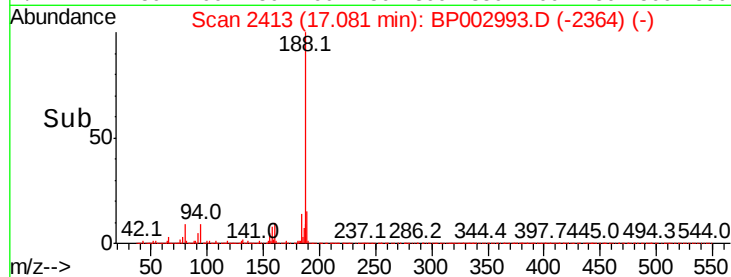
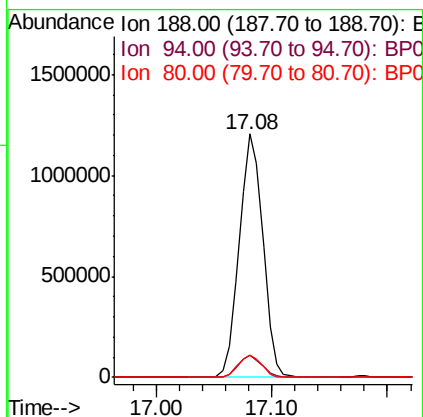
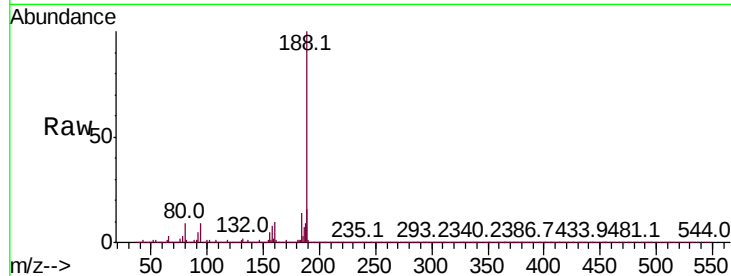




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

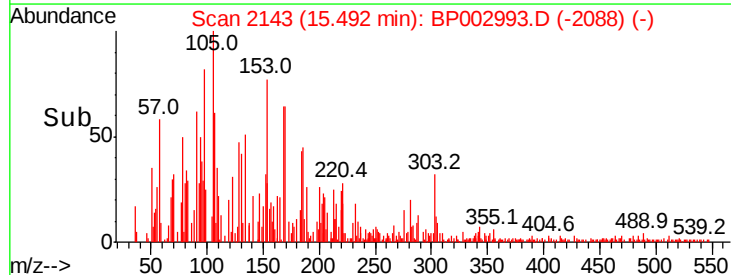
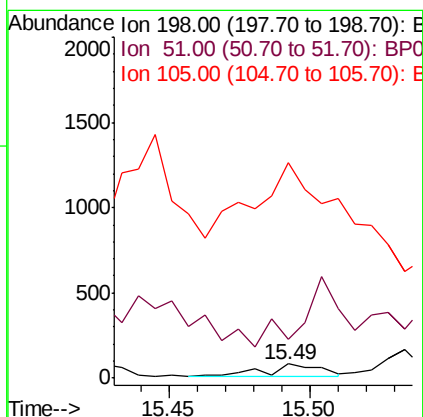
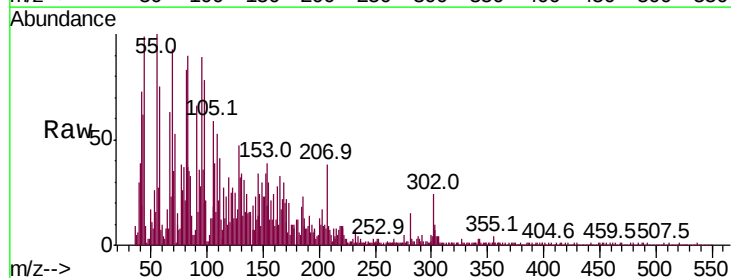
Instrument :
BNA_P
ClientSampleId :

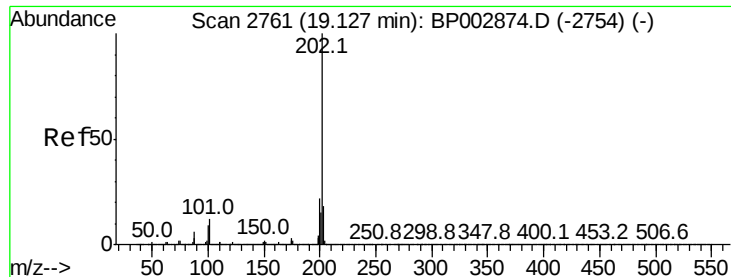
Tot Ion:188 Resp: 1711133
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.0 7.0 10.6



#65
4,6-Dinitro-2-methylphenol
Concen: 6.909 ng
RT: 15.49 min Scan# 2143
Delta R.T. 0.02 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion:198 Resp: 91
Ion Ratio Lower Upper
198 100
51 281.7 6.5 46.5#
105 1546.3 20.4 60.4#





#75

Fluoranthene

Concen: 2.886 ng

RT: 19.10 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BP002993.D

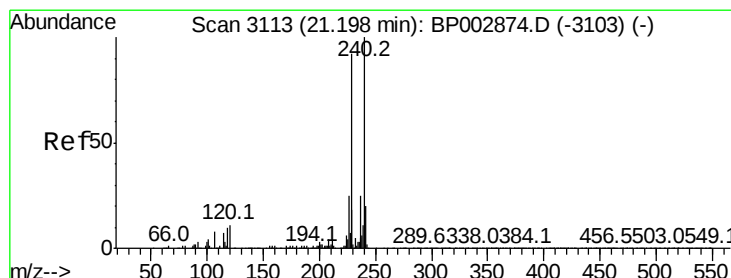
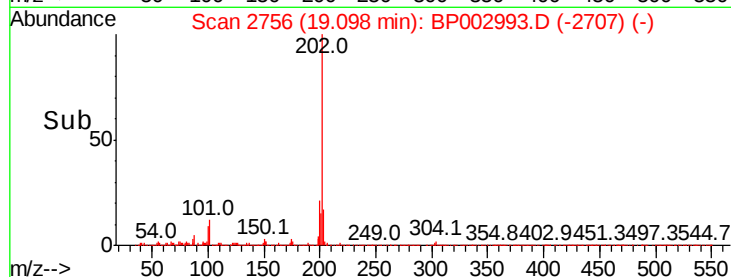
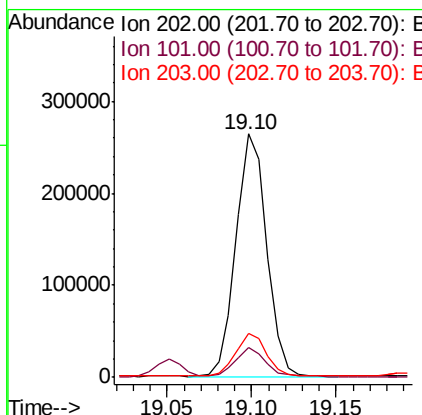
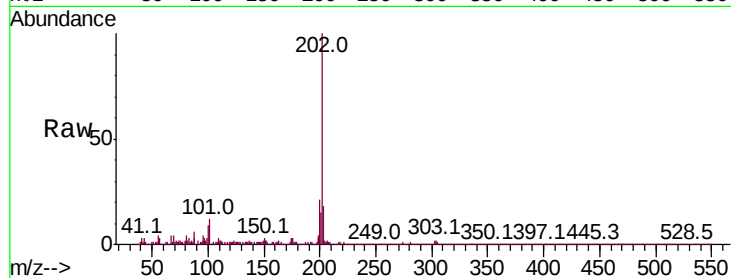
Acq: 14 Aug 2020 19:54

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	333611
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	32.0
203	17.9	0.0	38.5



#76

Chrysene-d12

Concen: 20.000 ng

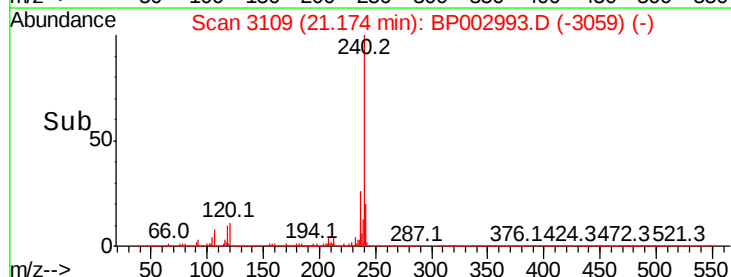
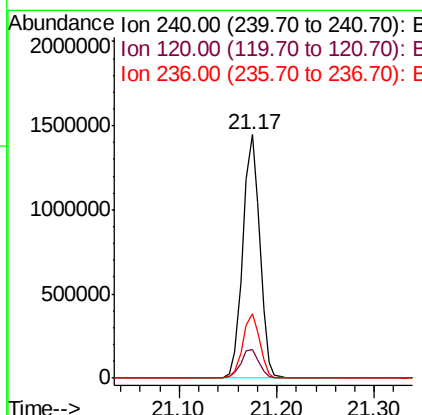
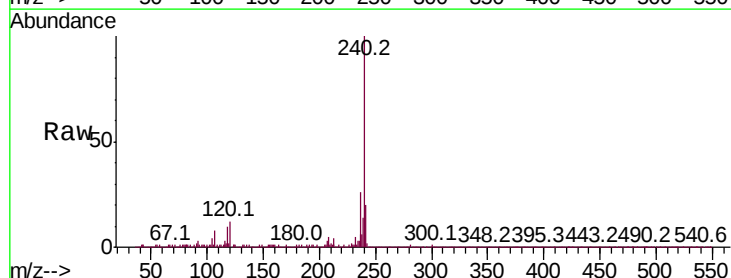
RT: 21.17 min Scan# 3109

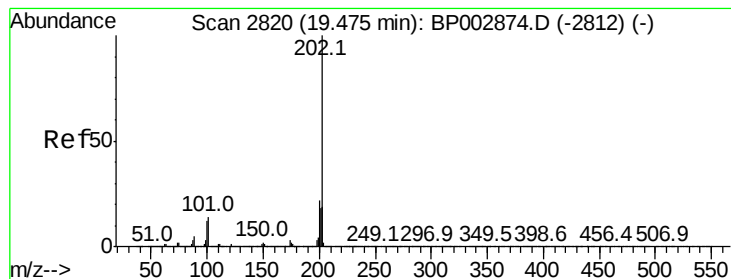
Delta R.T. -0.01 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Tgt Ion:	240	Resp:	1750434
Ion Ratio	Lower	Upper	
240	100		
120	11.5	10.6	16.0
236	26.3	20.7	31.1





#78

Pvrene

Concen: 2.468 ng

RT: 19.45 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Instrument :

BNA_P

ClientSampleId :

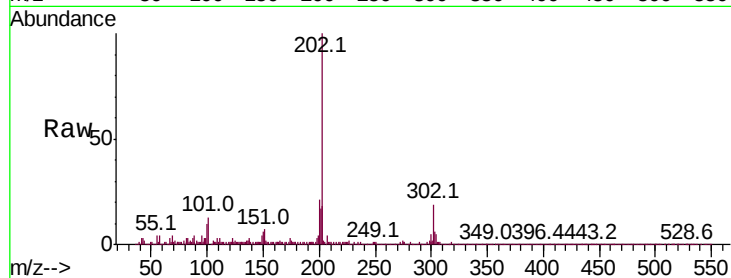
Tot Ion:202 Resp: 301975

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

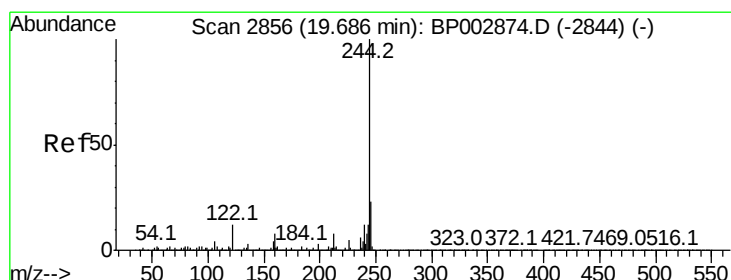
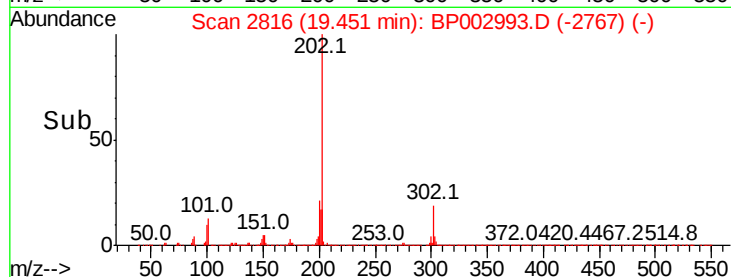
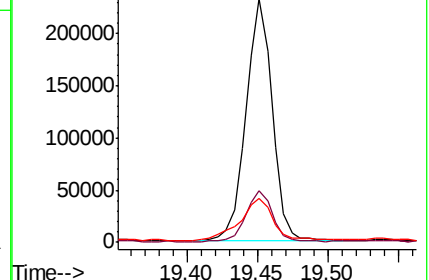
203 17.9 14.8 22.2



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: 10.300 ng

RT: 19.66 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

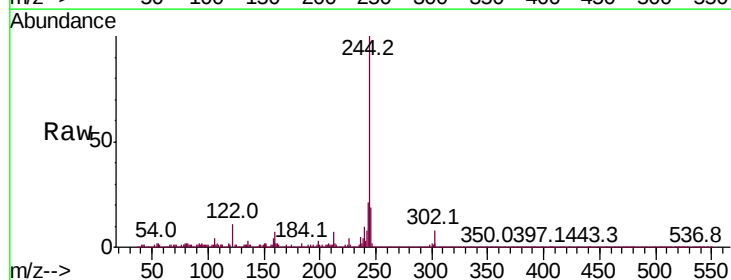
Tgt Ion:244 Resp: 900609

Ion Ratio Lower Upper

244 100

212 7.2 6.3 9.5

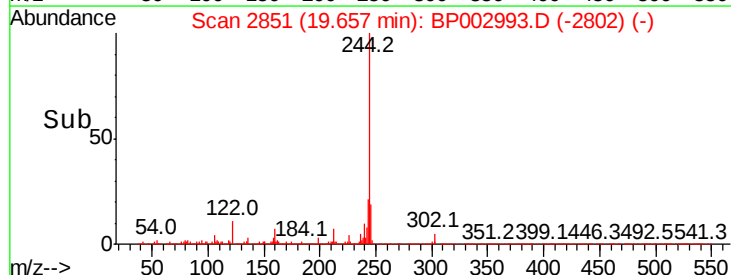
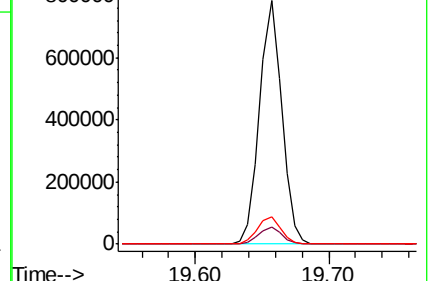
122 11.3 9.9 14.9

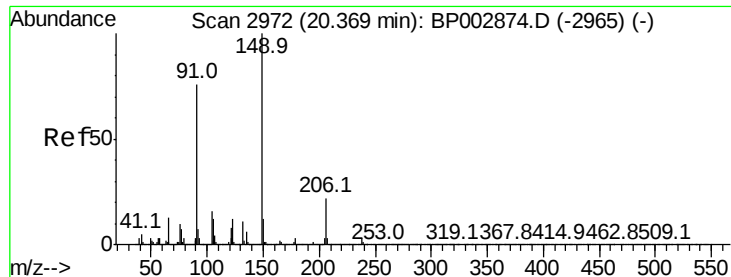


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

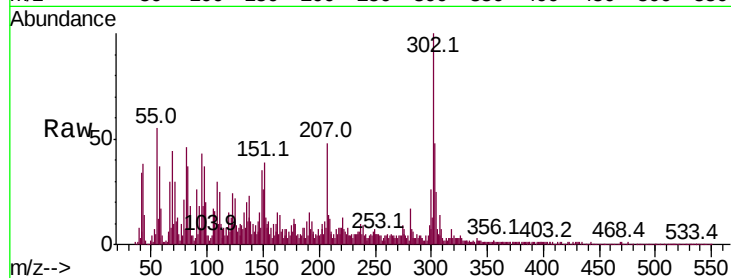




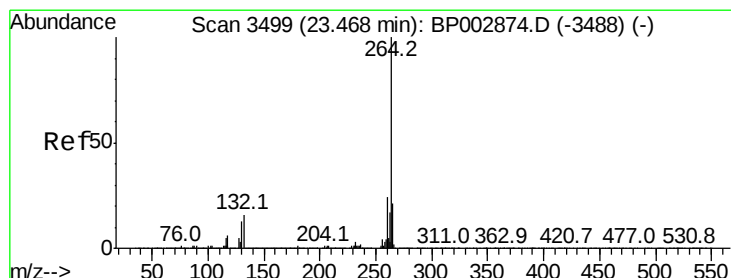
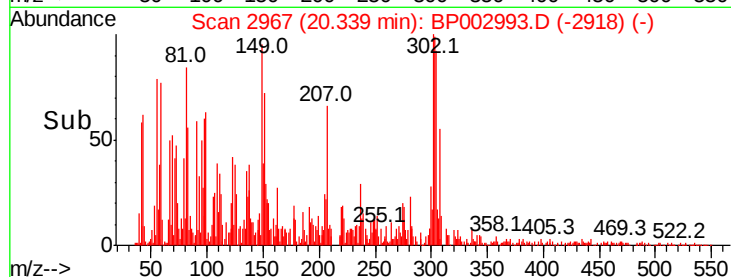
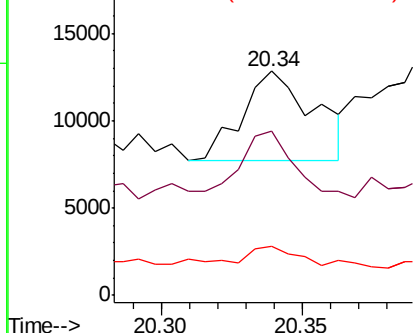
#80
Butylbenzylphthalate
Concen: 3.230 ng
RT: 20.34 min Scan# 2967
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Instrument :
BNA_P
ClientSampleId :

Tot Ion:149 Resp: 9135
Ion Ratio Lower Upper
149 100
91 73.4 46.5 69.7#
206 21.7 17.2 25.8

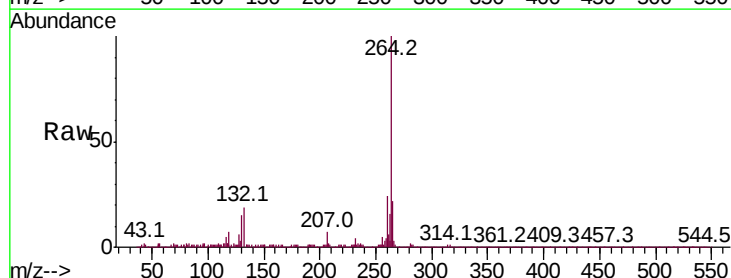


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BP0
Ion 206.00 (205.70 to 206.70): E

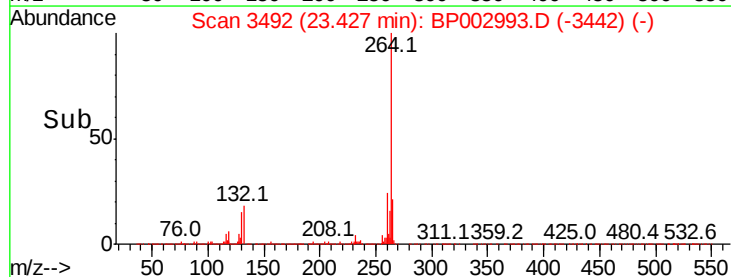
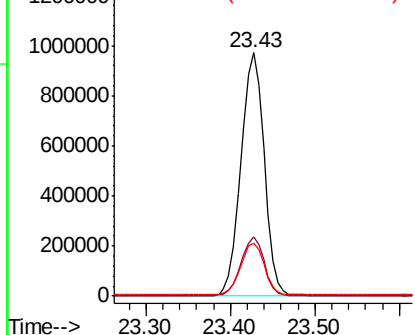


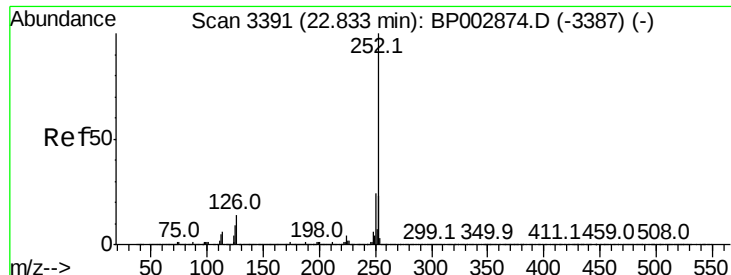
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.43 min Scan# 3492
Delta R.T. -0.01 min
Lab File: BP002993.D
Acq: 14 Aug 2020 19:54

Tgt Ion:264 Resp: 1845903
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.8 17.6 26.4



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





#89

Benzo(k)fluoranthene

Concen: 2.016 ng

RT: 22.75 min Scan# 3377

Delta R.T. -0.05 min

Lab File: BP002993.D

Acq: 14 Aug 2020 19:54

Instrument :

BNA_P

ClientSampleId :

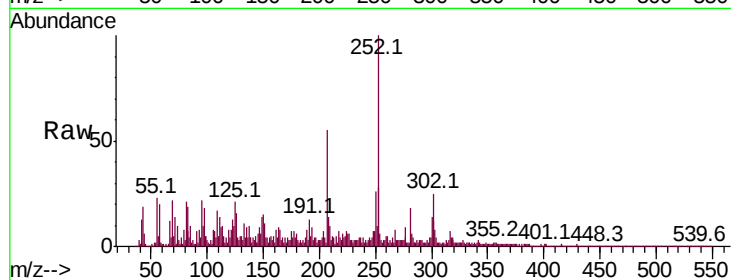
Tot Ion:252 Resp: 248171

Ion Ratio Lower Upper

252 100

253 28.0 18.1 27.1#

125 20.7 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

