

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000865.D
 Acq On : 18 Oct 2019 03:29
 Operator : JU
 Sample : K5401-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-33

Quant Time: Oct 18 07:49:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	194859	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	690496	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	366729	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	664172	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	547077	20.00	ng	-0.01
87) Perylene-d12	15.45	264	639041	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1237668	102.10	ng	-0.01
7) Phenol-d6	6.39	99	1571307	107.57	ng	-0.02
23) Nitrobenzene-d5	7.31	82	879307	77.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	491663	125.81	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1943154	85.73	ng	-0.02
79) Terphenyl-d14	12.90	244	2154662	79.74	ng	-0.01

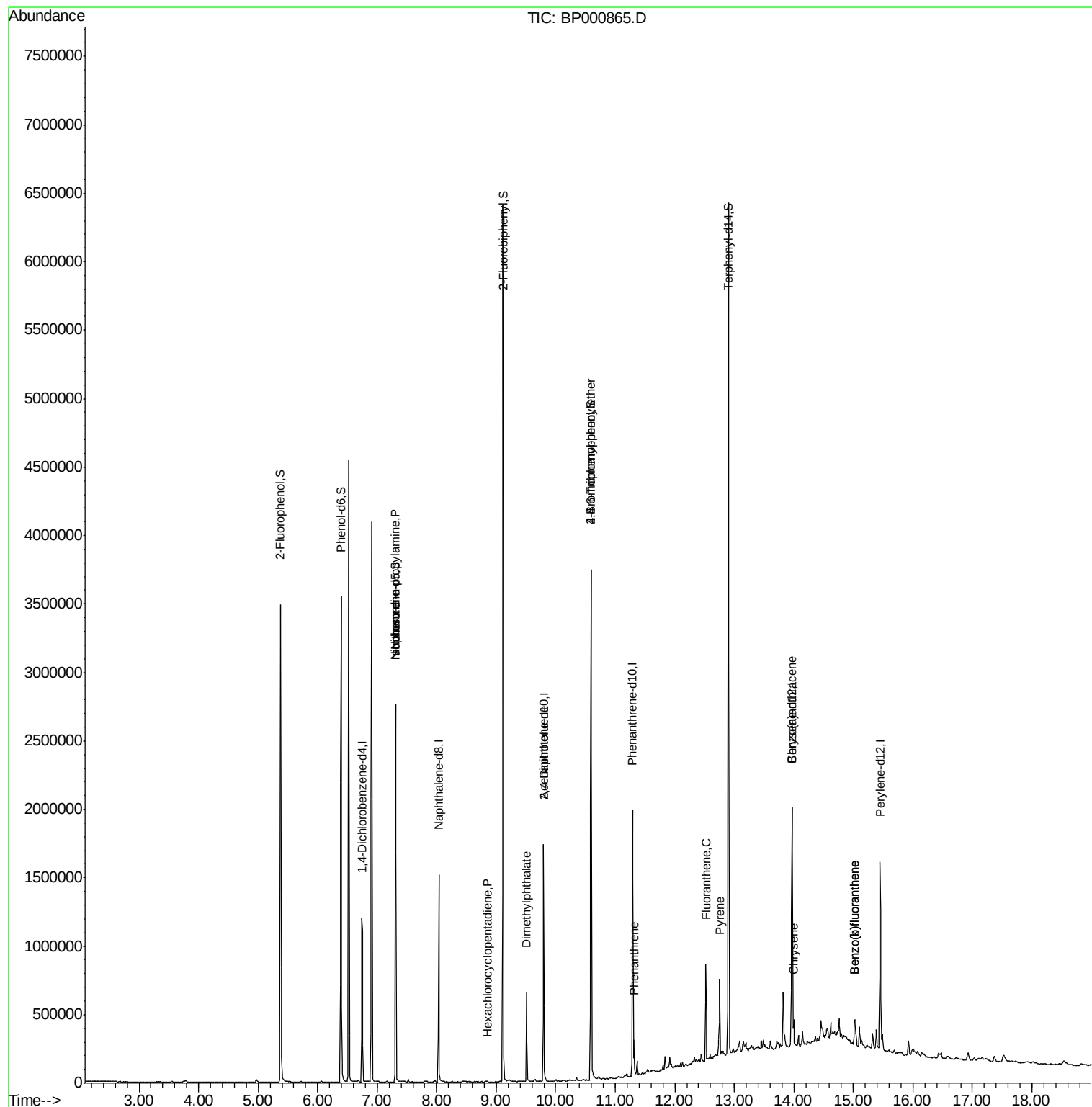
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	109045	16.195	ng	# 74
25) Isophorone	7.31	82	879147	43.815	ng	# 61
41) Hexachlorocyclopentadiene	8.85	237	8	7.299	ng	88
50) Dimethylphthalate	9.51	163	258173	10.132	ng	100
57) 2,4-Dinitrotoluene	9.80	165	48823	6.626	ng	# 31
67) 4-Bromophenyl-phenylether	10.59	248	32559	4.355	ng	# 1
71) Phenanthrene	11.32	178	95479	2.862	ng	99
75) Fluoranthene	12.52	202	258470	6.899	ng	99
78) Pyrene	12.75	202	220593	5.846	ng	99
81) Benzo(a)anthracene	13.96	228	83429	2.499	ng	95
83) Chrysene	14.00	228	86563	2.642	ng	98
88) Benzo(b)fluoranthene	15.02	252	140989	3.889	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	140989	4.085	ng	# 95

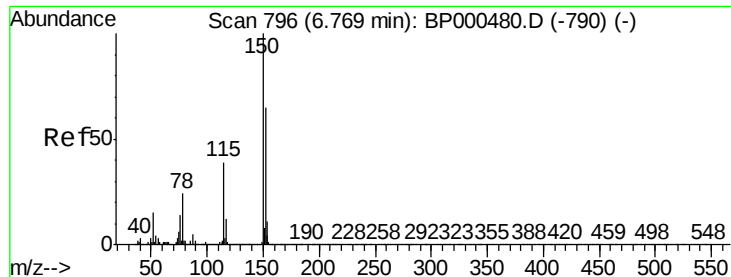
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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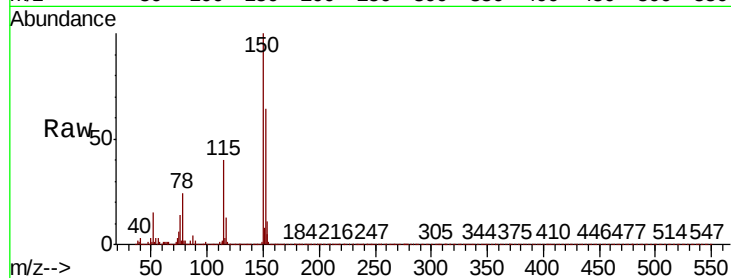


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.1	186.1
115	62.5	48.7	73.1



Abundance

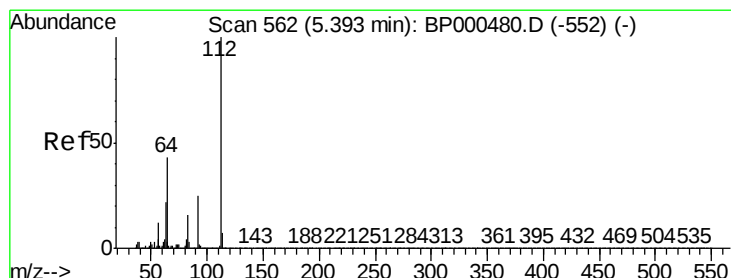
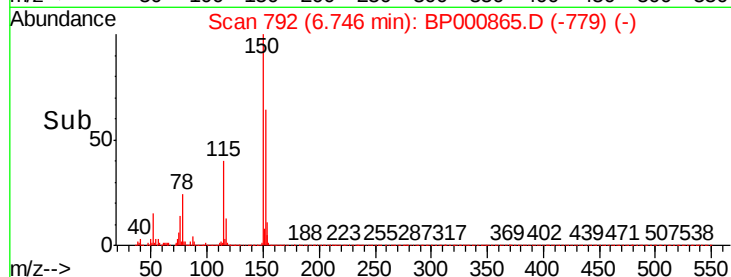
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

6.75

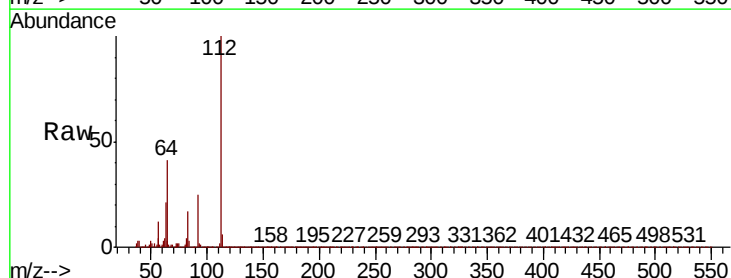
Time-->



#5

2-Fluorophenol
Concen: 102.099 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.2	34.2	51.4
63	21.4	17.9	26.9



Abundance

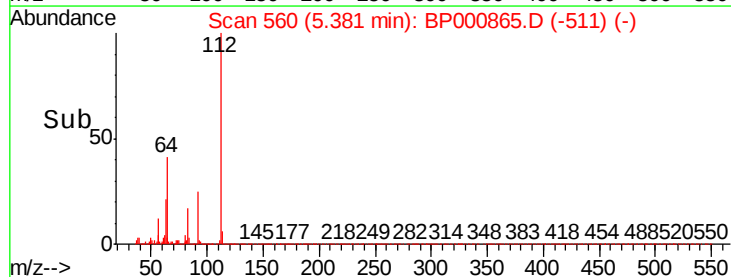
Ion 112.00 (111.70 to 112.70): E

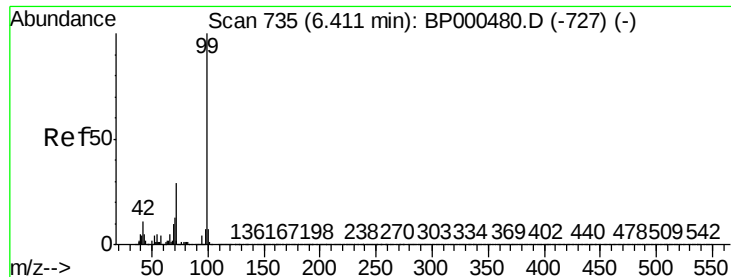
Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0

5.38

Time-->





#7

Phenol-d6

Concen: 107.566 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

Instrument :

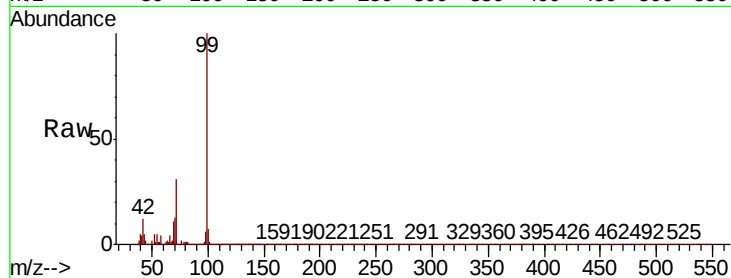
BNA_P

ClientSampleId :

COMP-33

Tot Ion: 99 Resp: 1571307

Ion	Ratio	Lower	Upper
99	100		
42	11.6	8.6	12.8
71	31.4	23.0	34.4

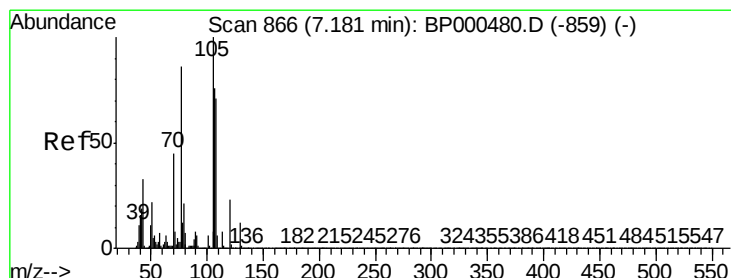
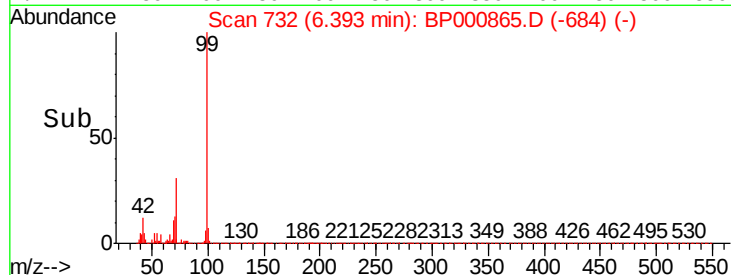


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 16.195 ng

RT: 7.31 min Scan# 888

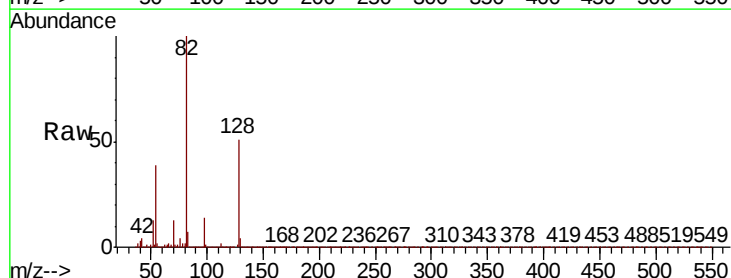
Delta R.T. 0.13 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

Tgt Ion: 70 Resp: 109045

Ion	Ratio	Lower	Upper
70	100		
42	35.5	33.2	49.8
101	0.0	9.9	14.9#
130	2.6	21.8	32.8#



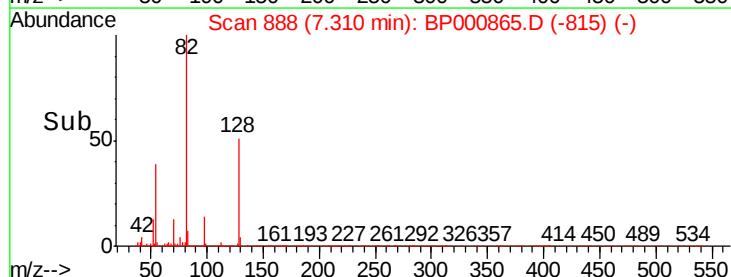
Abundance

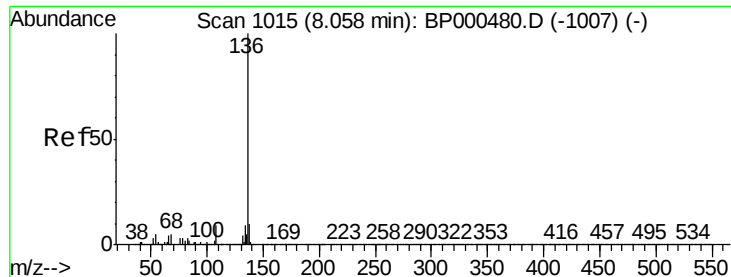
Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

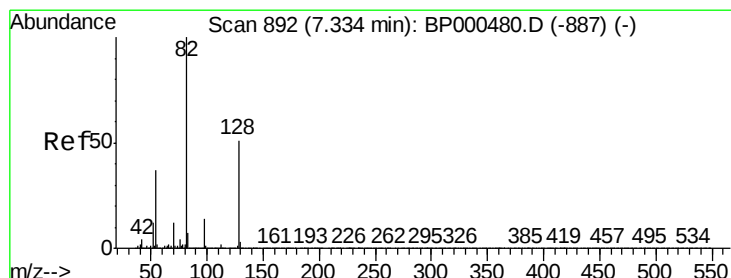
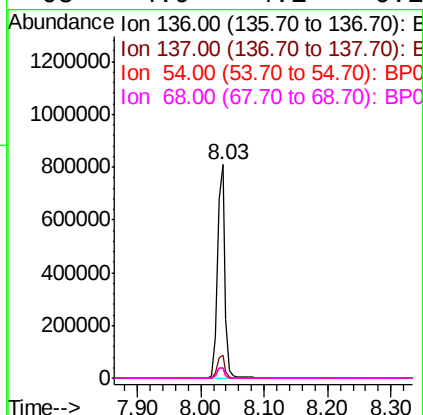
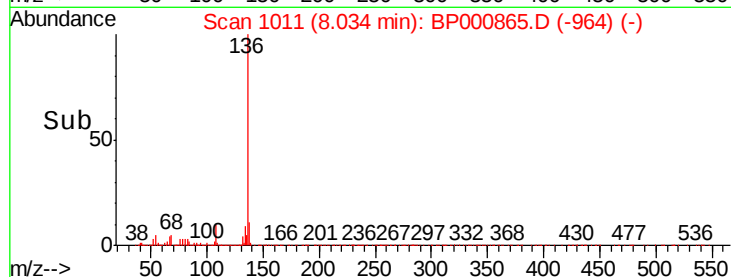
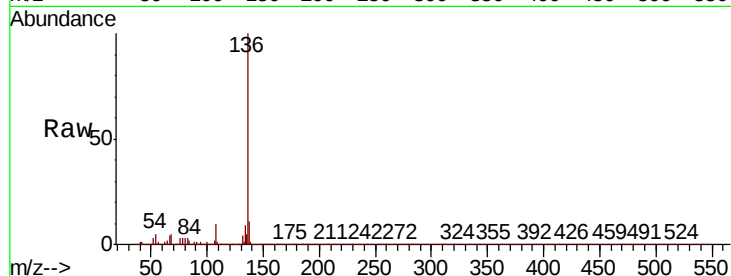




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

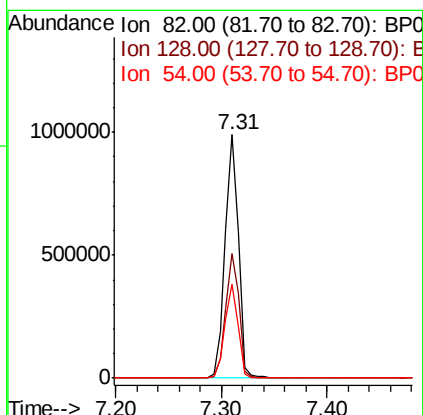
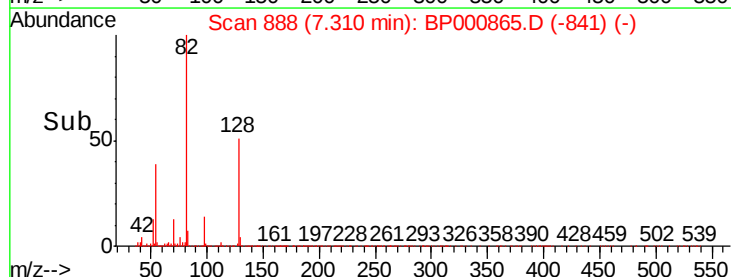
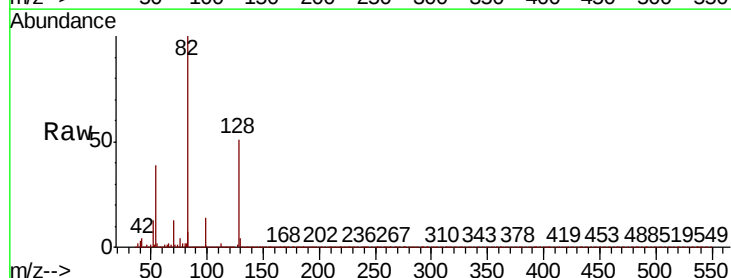
Instrument :
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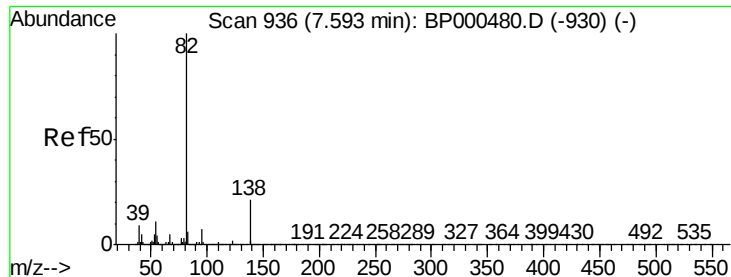
Tot Ion:136	Resp: 690496
Ion Ratio	Lower Upper
136 100	
137 10.7	8.2 12.4
54 5.0	4.1 6.1
68 4.9	4.1 6.1



#23
Nitrobenzene-d5
Concen: 77.776 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Tgt	Ion: 82	Resp:	879307
Ion	Ratio	Lower	Upper
82	100		
128	51.4	40.9	61.3
54	38.7	29.4	44.2





#25

Isophorone

Concen: 43.815 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

Instrument :

BNA_P

ClientSampleId :

COMP-33

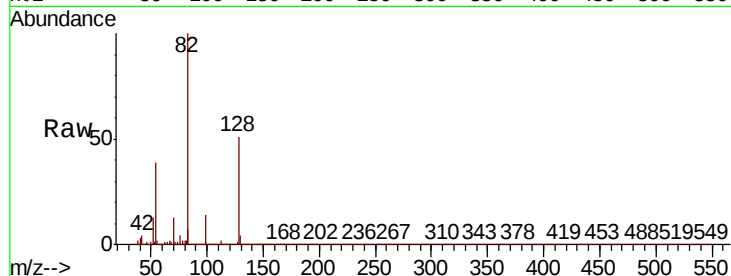
Tot Ion: 82 Resp: 879147

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

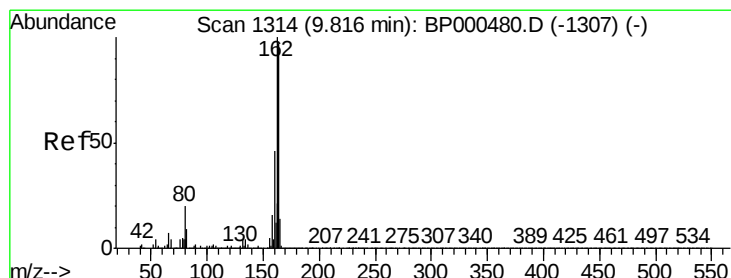
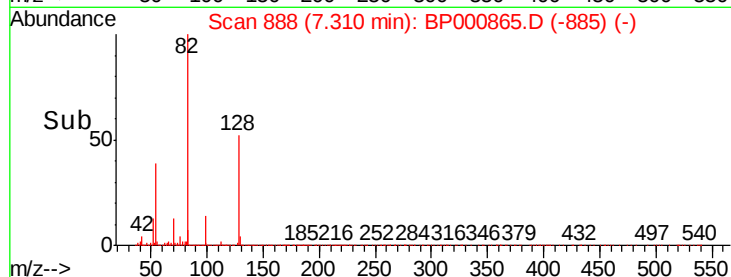
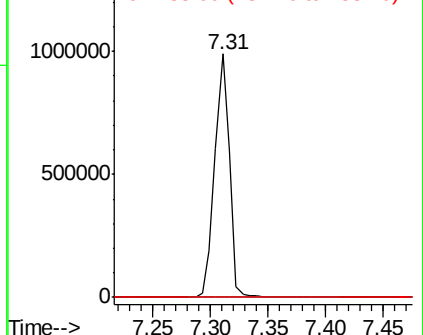
138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

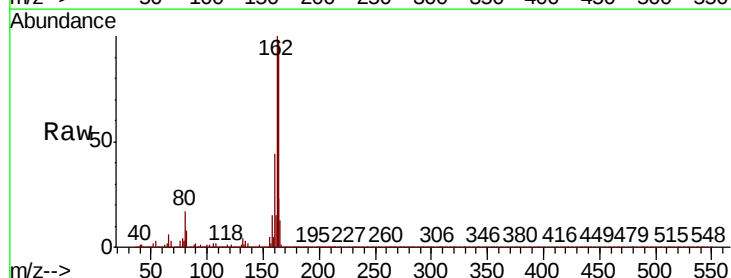
Tgt Ion:164 Resp: 366729

Ion Ratio Lower Upper

164 100

162 102.3 82.2 123.2

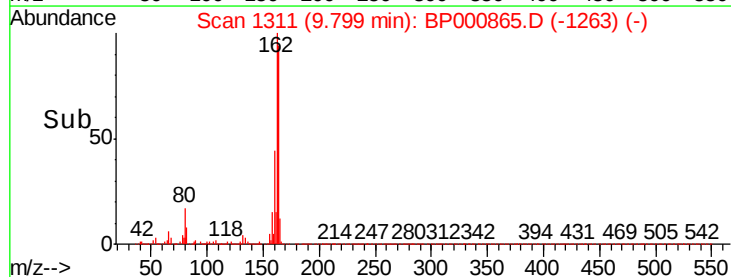
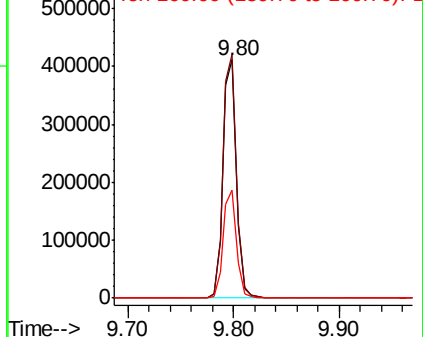
160 45.3 37.6 56.4

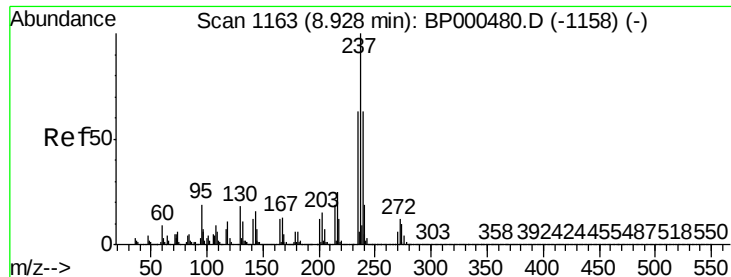


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.299 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.08 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

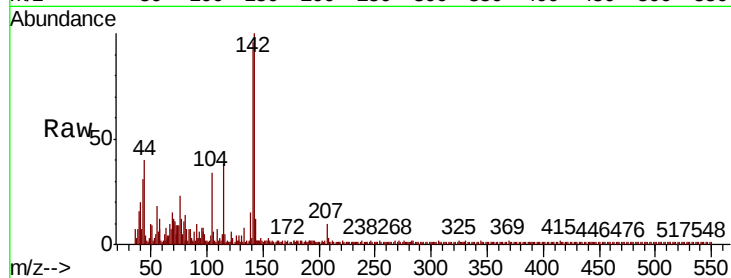
Instrument :

BNA_P

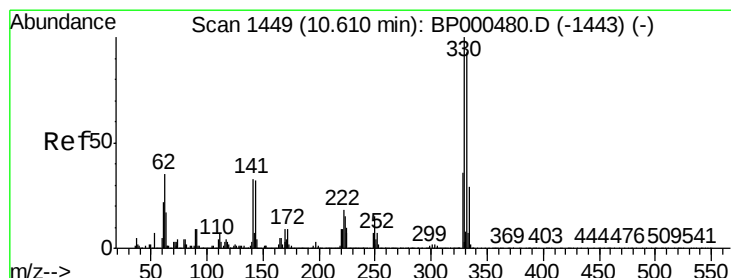
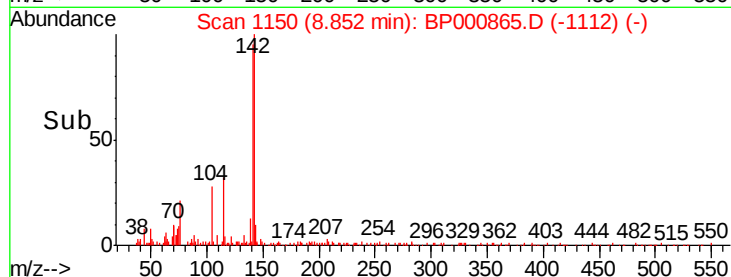
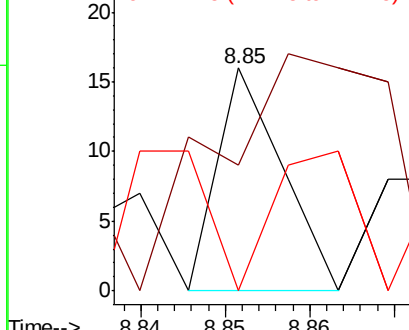
ClientSampleId :

COMP-33

Tot Ion:	237	Resp:	8
Ion	Ratio	Lower	Upper
237	100		
235	56.3	42.9	82.9
272	0.0	0.0	32.4



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 125.812 ng

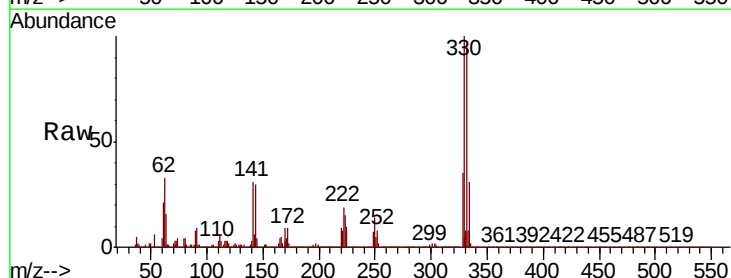
RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

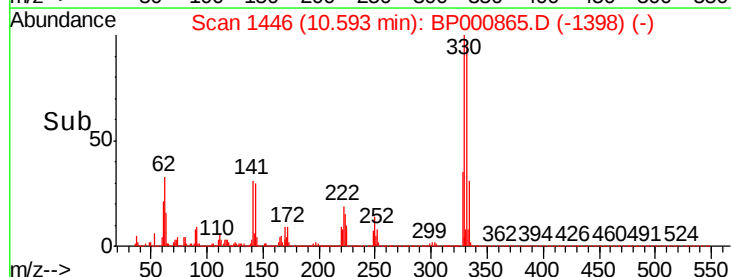
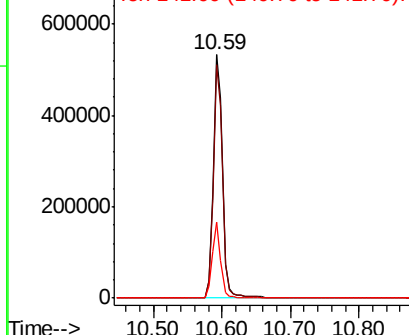
Lab File: BP000865.D

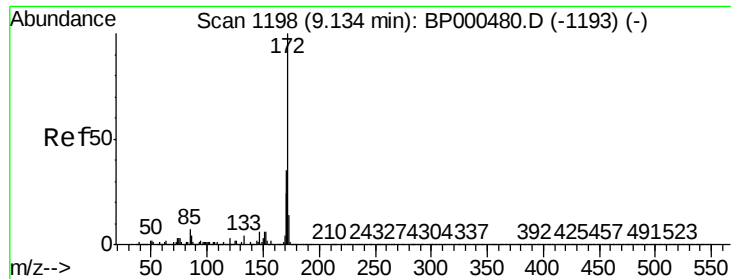
Acq: 18 Oct 2019 03:29

Tgt Ion:	330	Resp:	491663
Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	29.5	26.0	39.0



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

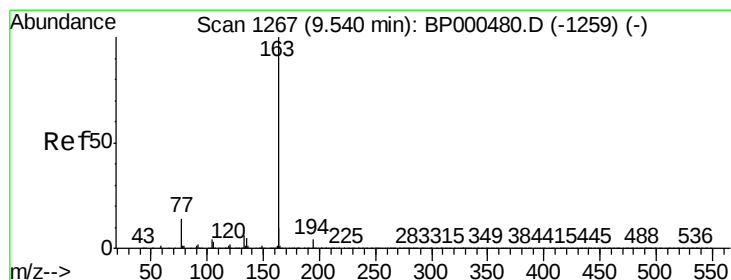
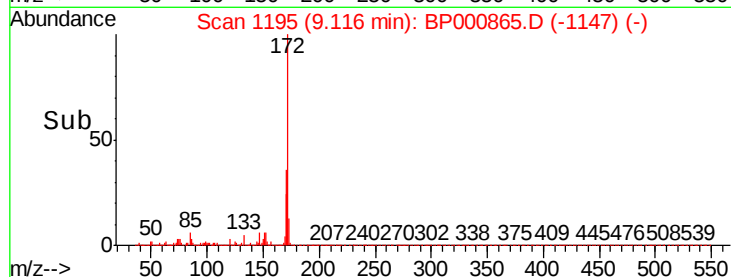
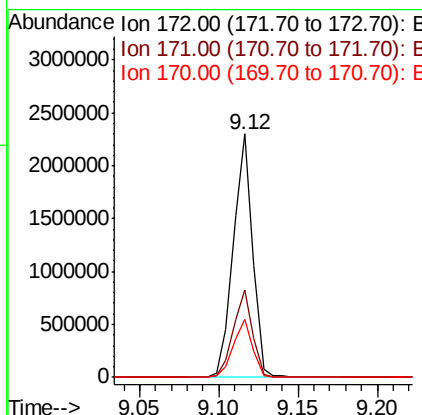
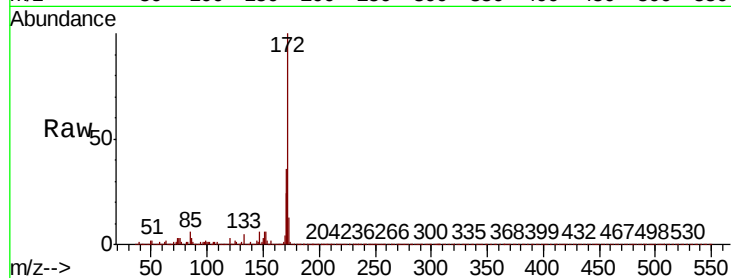




#45
2-Fluorobiphenyl
Concen: 85.731 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

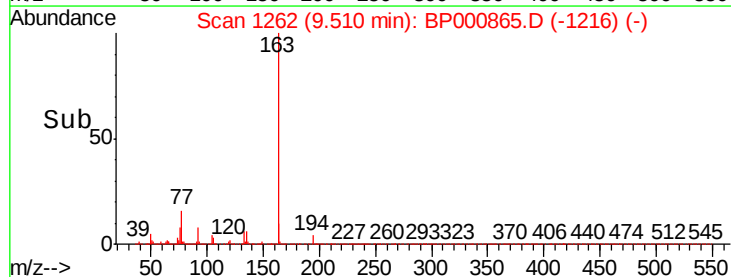
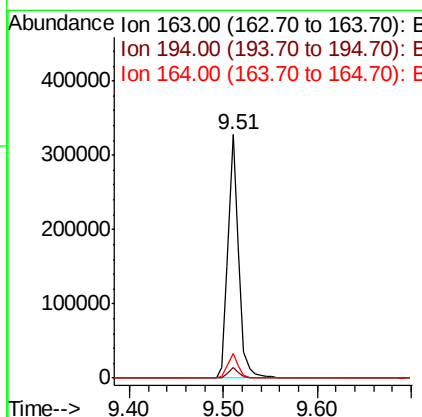
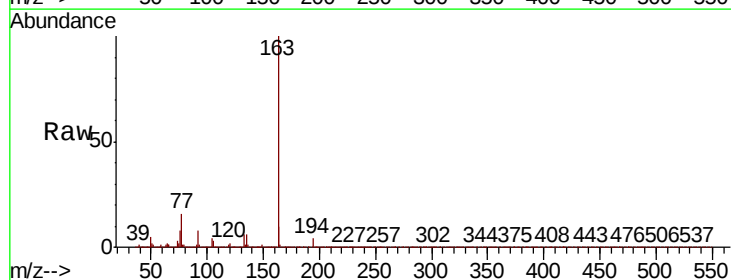
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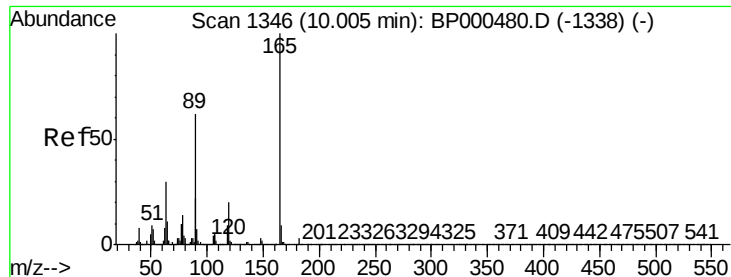
Tot Ion:172 Resp: 1943154
Ion Ratio Lower Upper
172 100
171 36.1 28.4 42.6
170 24.0 19.1 28.7



#50
Dimethylphthalate
Concen: 10.132 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Tgt Ion:163 Resp: 258173
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.1 8.0 12.0

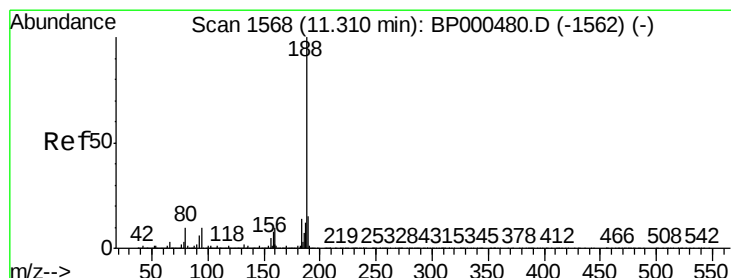
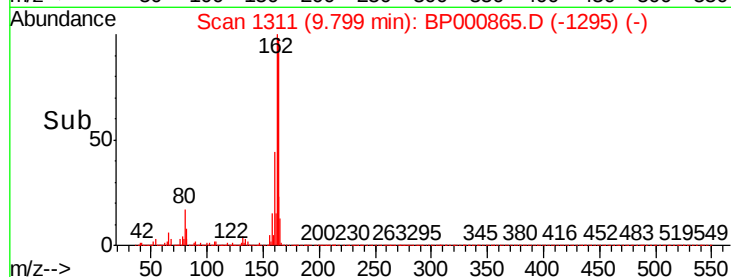
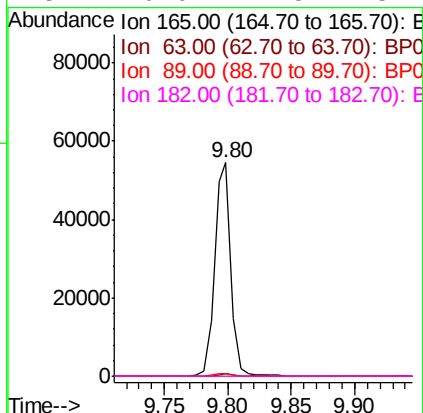
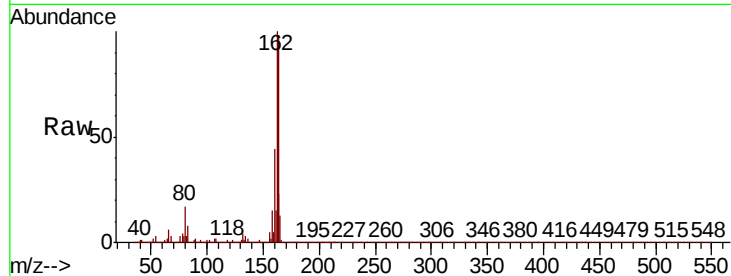




#57
2,4-Dinitrotoluene
Concen: 6.626 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

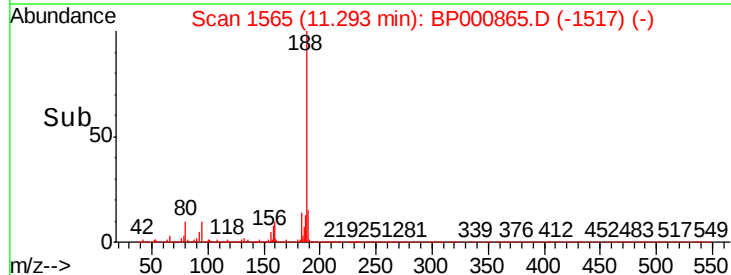
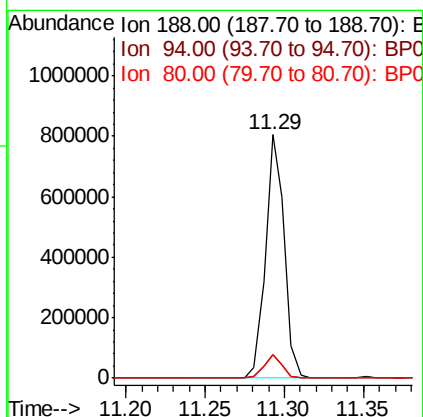
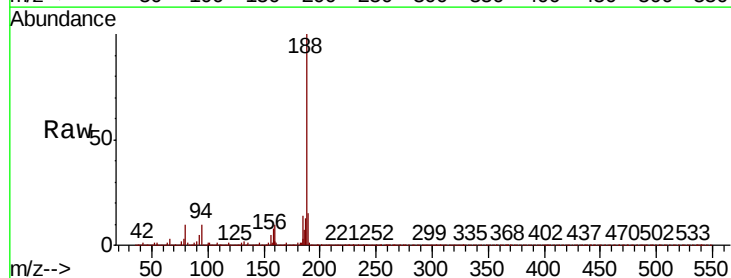
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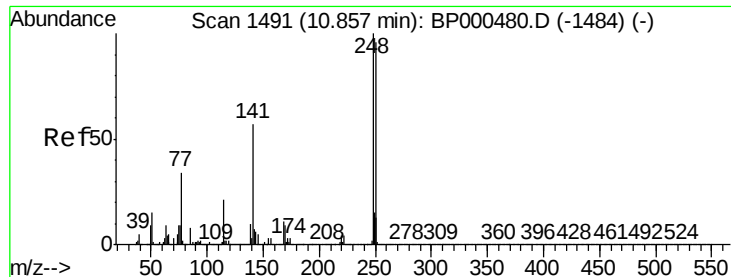
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	24.2	36.4#
89	1.2	49.4	74.0#
182	0.0	2.5	3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	9.8	8.3	12.5

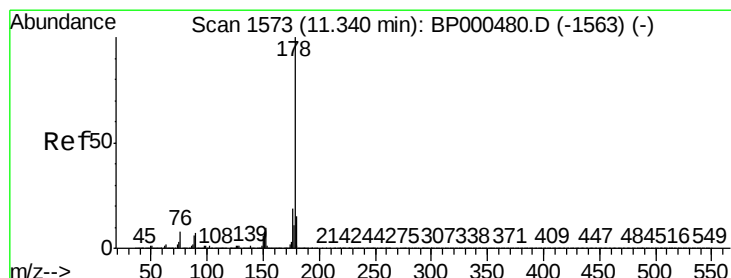
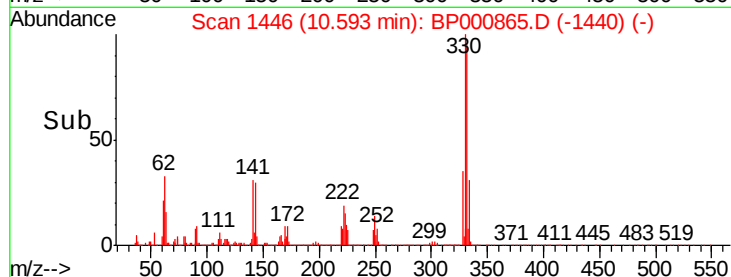
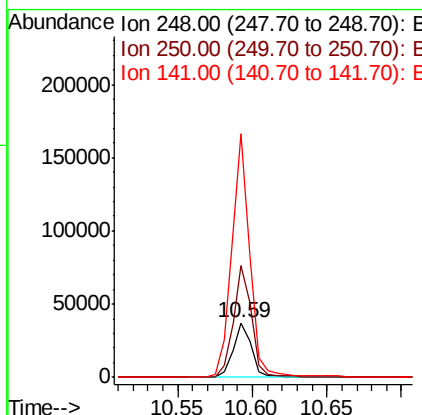
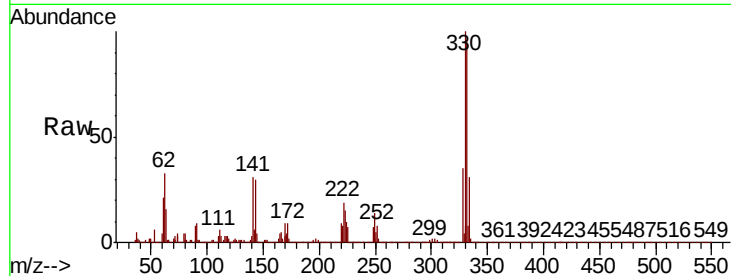




#67
4-Bromophenyl-phenylether
Concen: 4.355 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.26 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

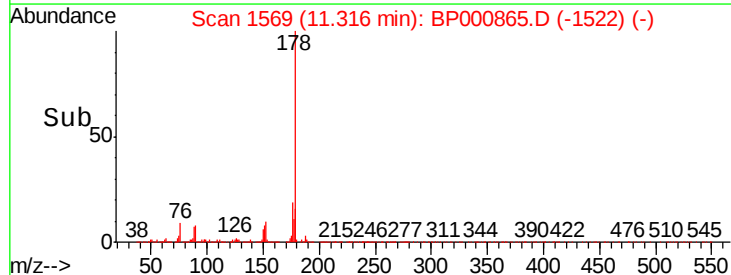
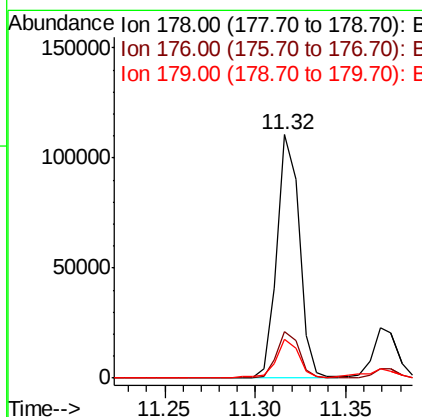
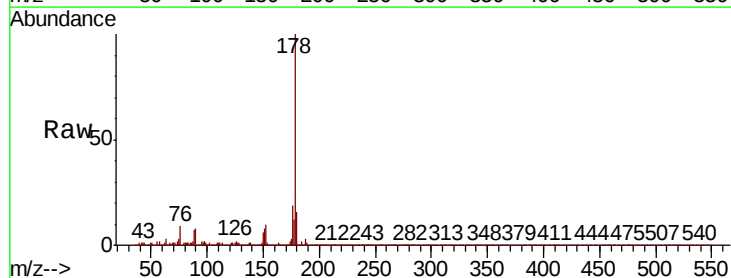
Instrument :
BNA_P
ClientSampleId :
COMP-33

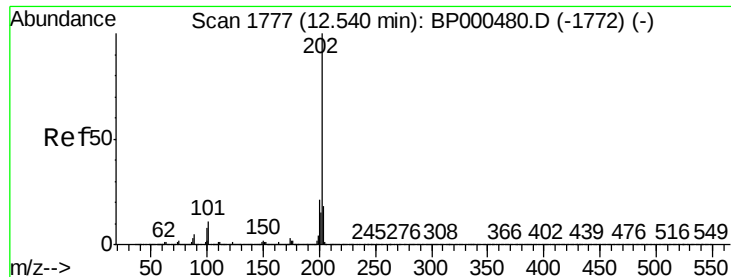
Tot Ion:248 Resp: 32559
Ion Ratio Lower Upper
248 100
250 204.4 77.2 115.8#
141 445.8 45.3 67.9#



#71
Phenanthrene
Concen: 2.862 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Tgt Ion:178 Resp: 95479
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 16.0 12.2 18.4





#75

Fluoranthene

Concen: 6.899 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

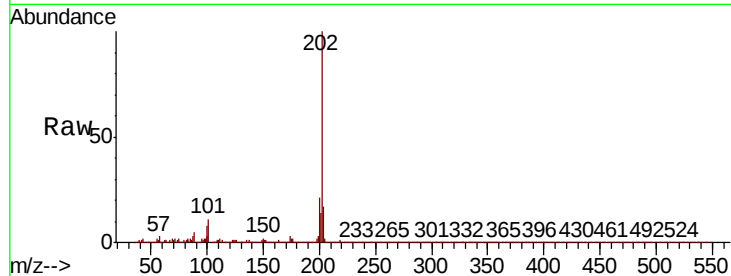
Instrument :

BNA_P

ClientSampleId :

COMP-33

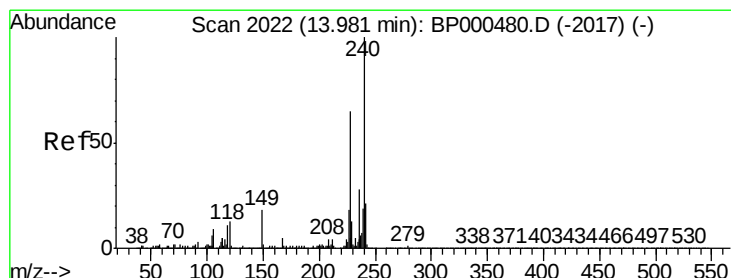
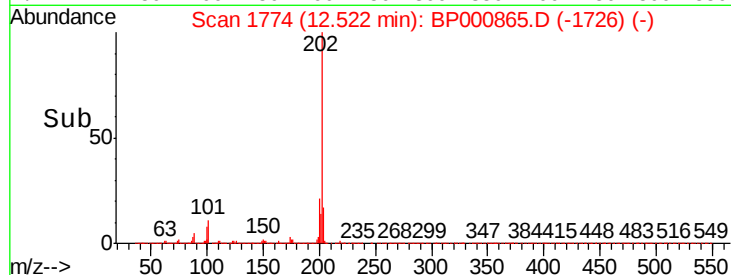
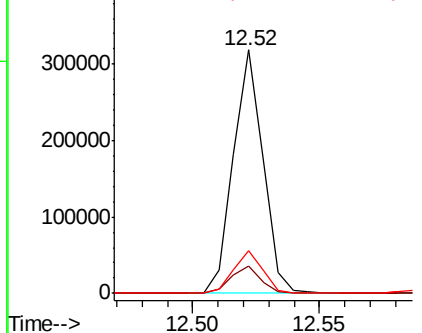
Tot Ion:	202	Resp:	258470
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.3
203	17.3	0.0	38.1



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

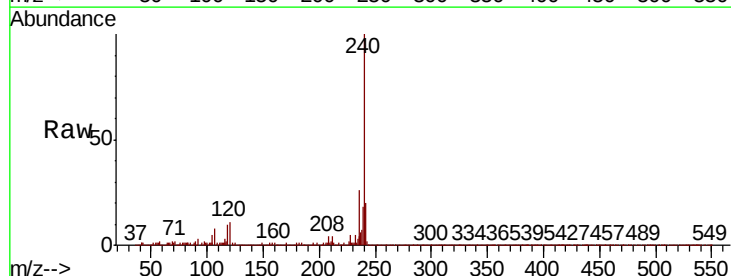
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

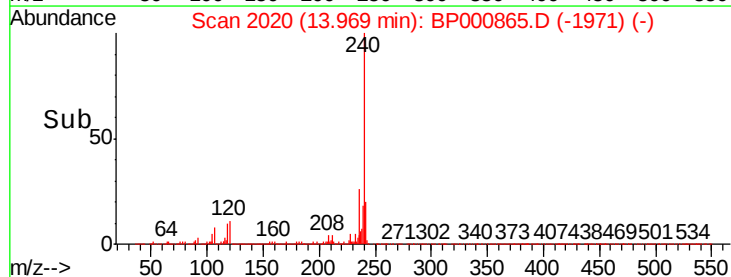
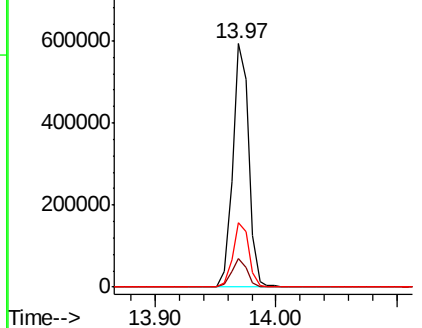
Tgt Ion:	240	Resp:	547077
Ion Ratio	Lower	Upper	
240	100		
120	11.5	10.1	15.1
236	26.4	22.7	34.1

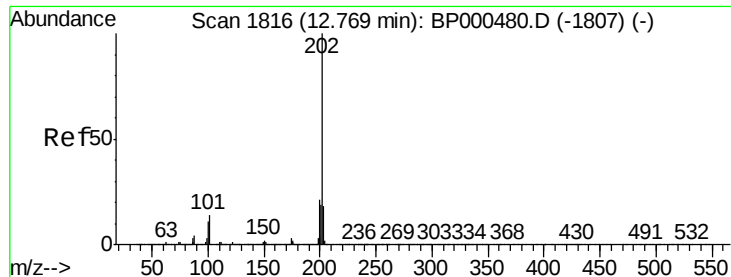


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

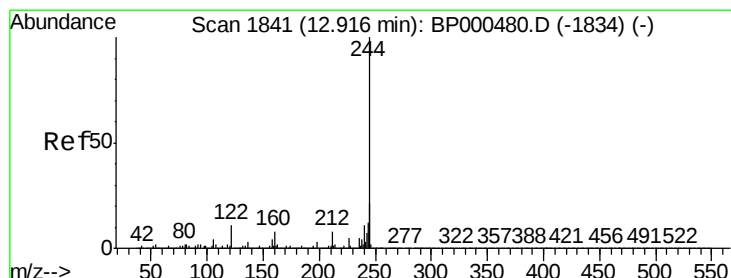
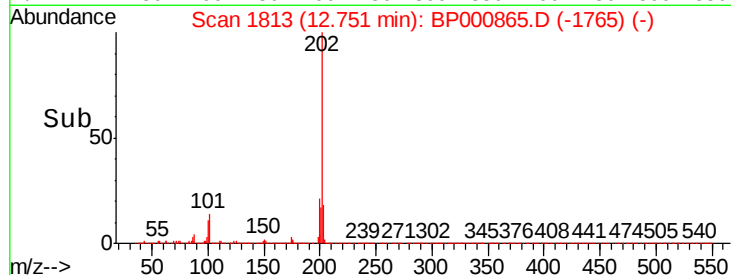
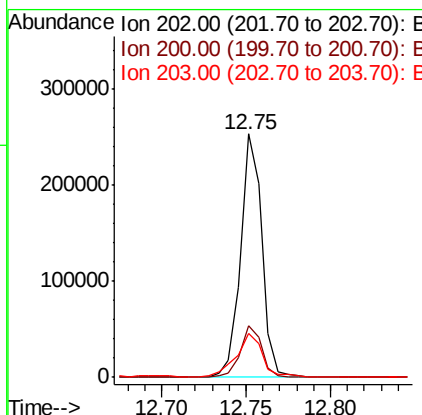
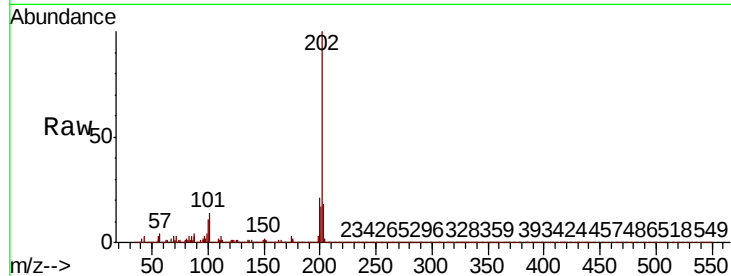




#78
Pvrene
Concen: 5.846 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

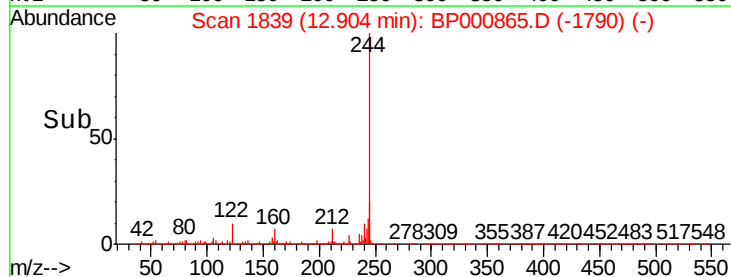
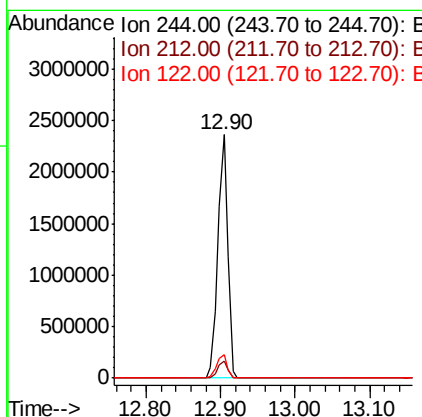
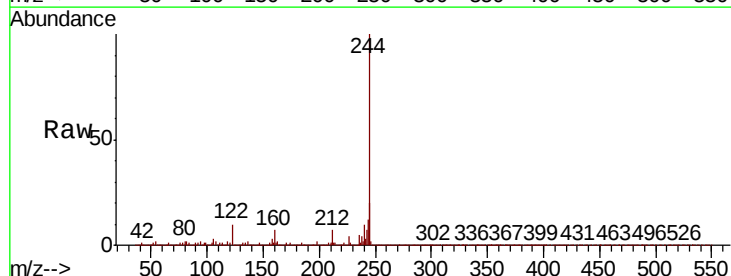
Instrument :
BNA_P
ClientSampleId :
COMP-33

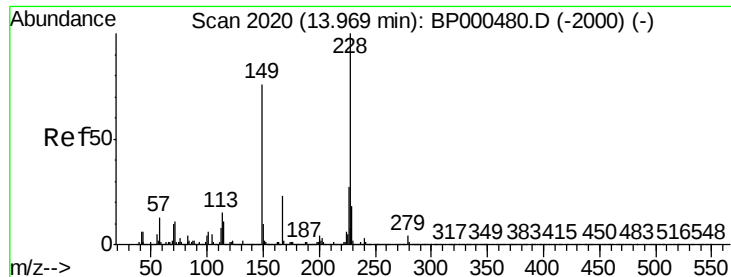
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.1	14.6	21.8



#79
Terphenyl-d14
Concen: 79.744 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.7	8.9	13.3





#81

Benzo(a)anthracene

Concen: 2.499 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

Instrument :

BNA_P

ClientSampled :

COMP-33

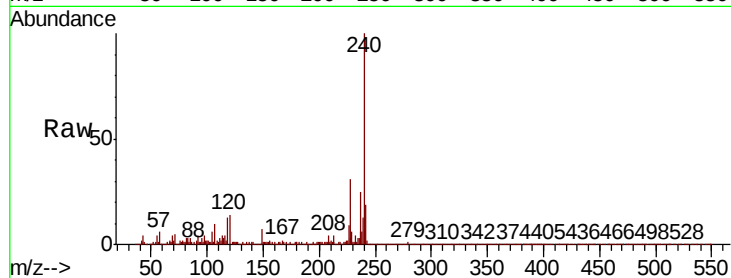
Tot Ion:228 Resp: 83429

Ion Ratio Lower Upper

228 100

226 30.2 21.4 32.2

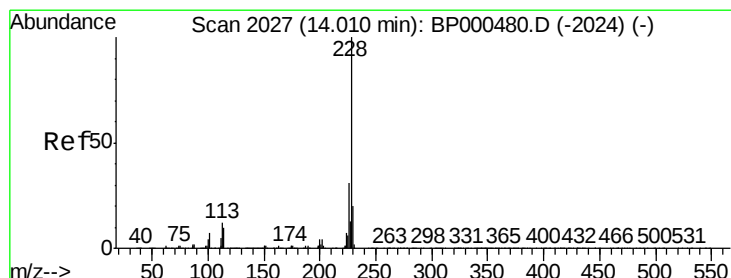
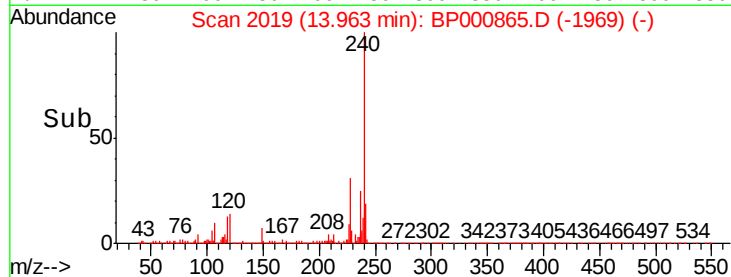
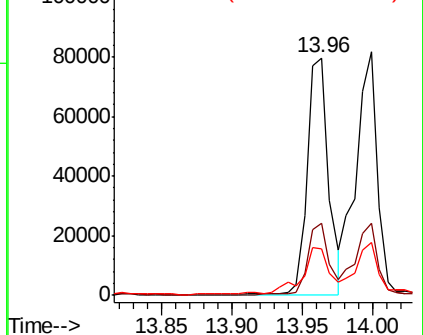
229 19.7 14.7 22.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.642 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

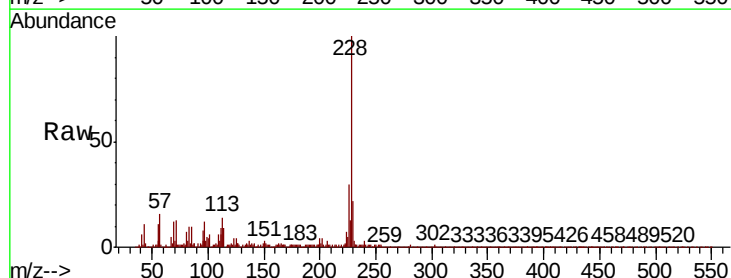
Tgt Ion:228 Resp: 86563

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

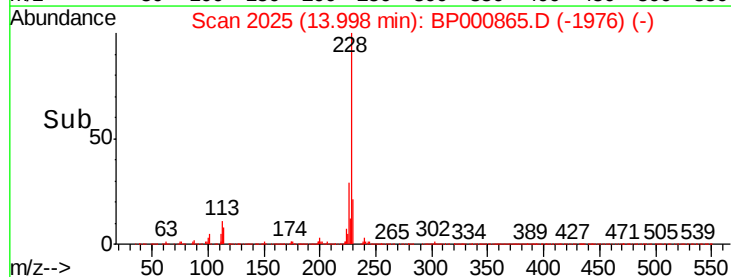
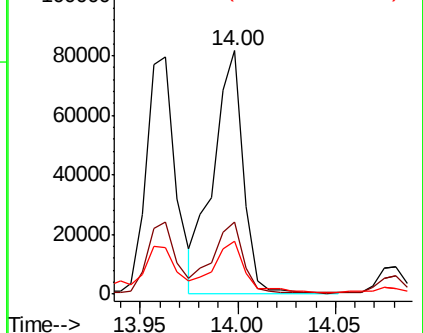
229 21.8 16.3 24.5

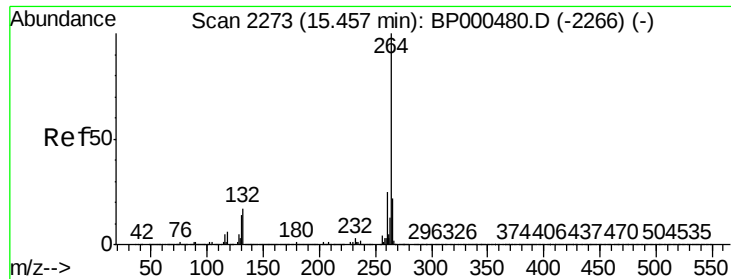


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

Instrument :

BNA_P

ClientSampleId :

COMP-33

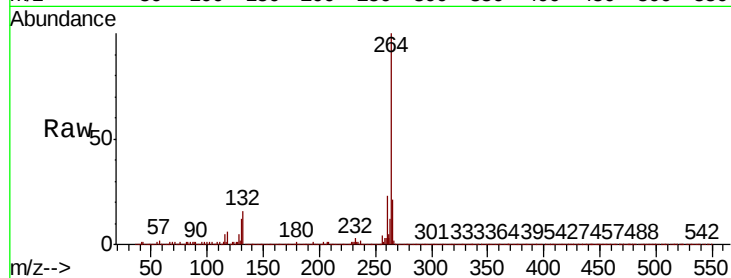
Tot Ion:264 Resp: 639041

Ion Ratio Lower Upper

264 100

260 23.4 20.3 30.5

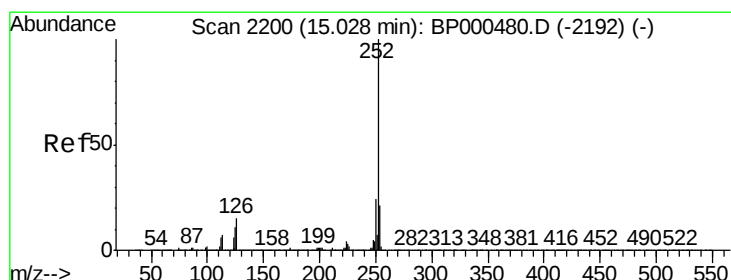
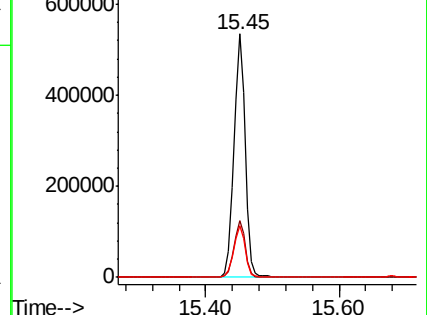
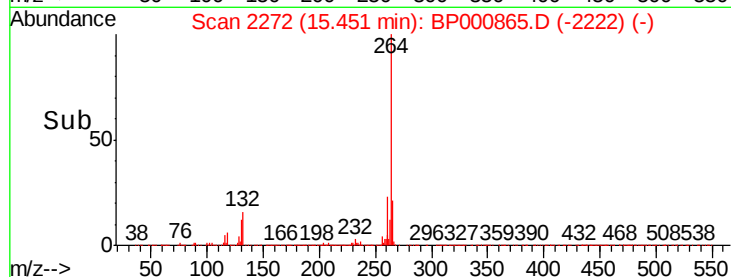
265 21.3 18.0 27.0



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: 3.889 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

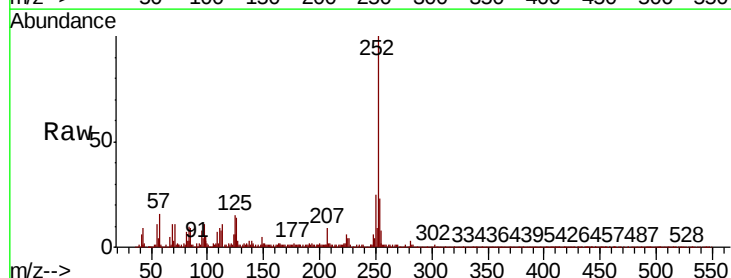
Tgt Ion:252 Resp: 140989

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

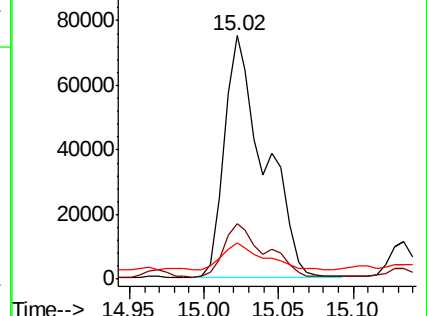
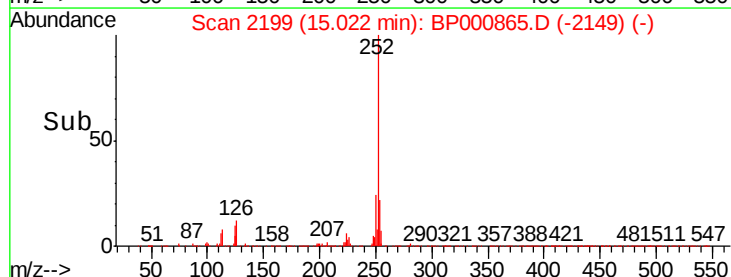
125 14.7 8.9 13.3#

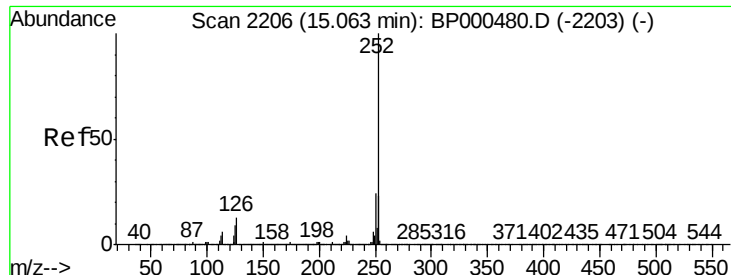


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.085 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:29

Instrument :

BNA_P

ClientSampleId :

COMP-33

Tot Ion:252 Resp: 140989

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

125 14.7 7.8 11.8#

