

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
 Data File : BP001134.D
 Acq On : 02 Dec 2019 19:13
 Operator : JU
 Sample : K5676-38
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-01-112719

Quant Time: Dec 03 00:43:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

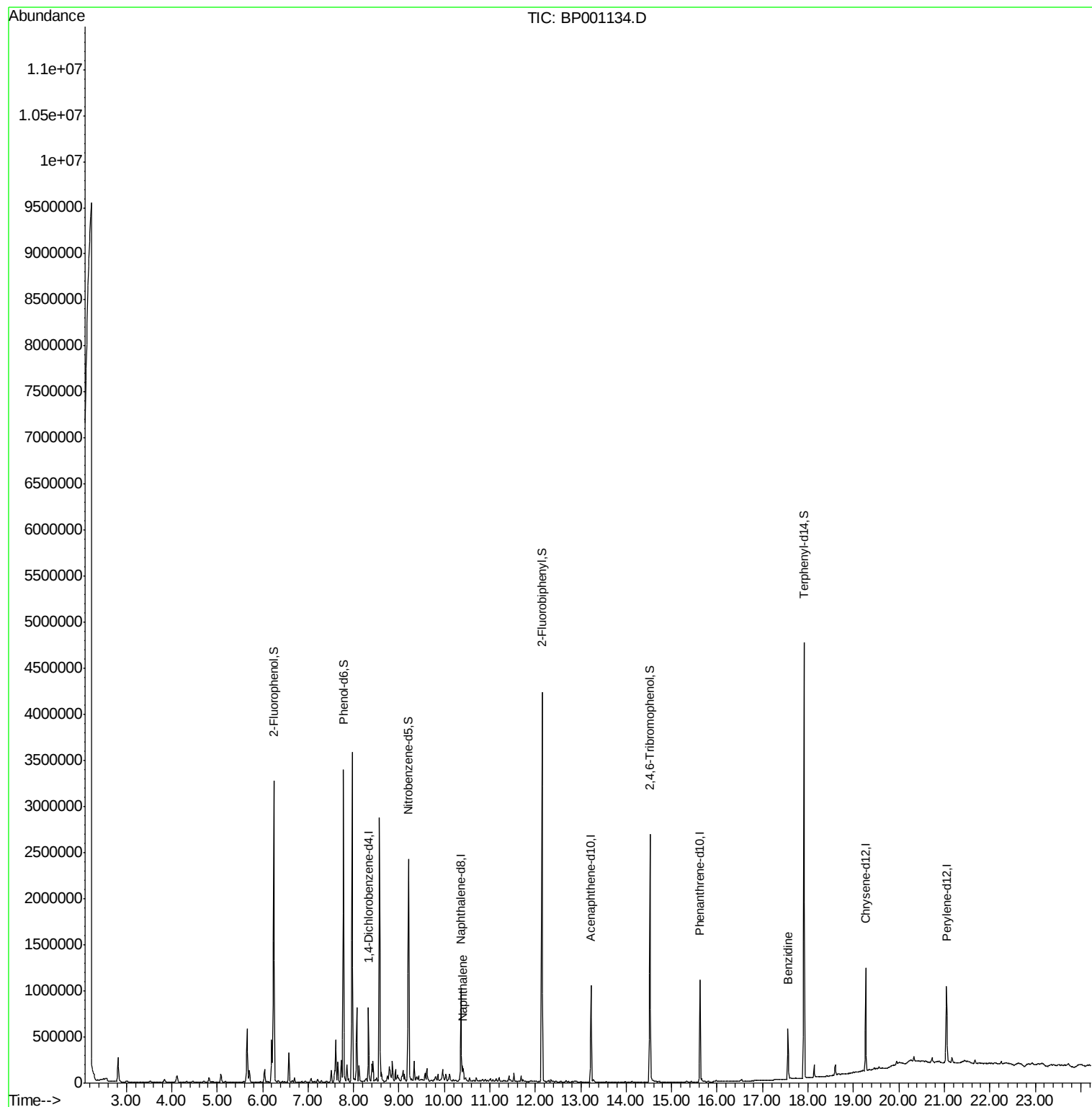
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	135410	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	498119	20.00	ng	0.00
39) Acenaphthene-d10	13.23	164	275020	20.00	ng	0.00
64) Phenanthrene-d10	15.63	188	522666	20.00	ng	0.00
76) Chrysene-d12	19.27	240	416252	20.00	ng	0.00
87) Perylene-d12	21.05	264	450546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.25	112	1147823	140.63	ng	0.02
7) Phenol-d6	7.78	99	1504285	138.34	ng	0.01
23) Nitrobenzene-d5	9.21	82	1040048	90.59	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	377958	143.38	ng	0.00
45) 2-Fluorobiphenyl	12.15	172	1669893	88.87	ng	0.00
79) Terphenyl-d14	17.92	244	2015655	89.59	ng	0.00
Target Compounds						
31) Naphthalene	10.40	128	81874	3.218	ng	99
77) Benzidine	17.56	184	258431	24.046	ng	98

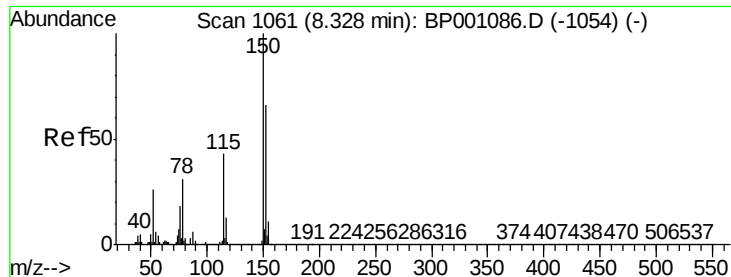
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001134.D
Acq On : 02 Dec 2019 19:13
Operator : JU
Sample : K5676-38
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-01-112719

Quant Time: Dec 03 00:43:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

Instrument :

BNA_P

ClientSampleId :

SU-01-112719

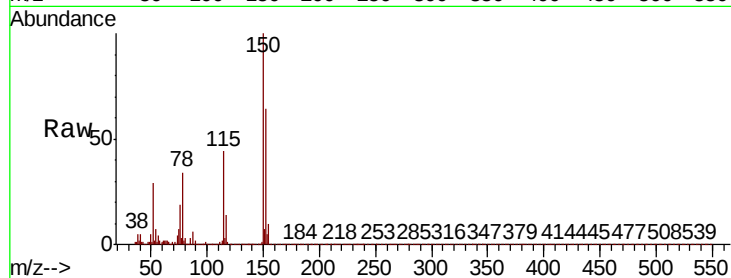
Tot Ion:152 Resp: 135410

Ion Ratio Lower Upper

152 100

150 157.3 120.6 181.0

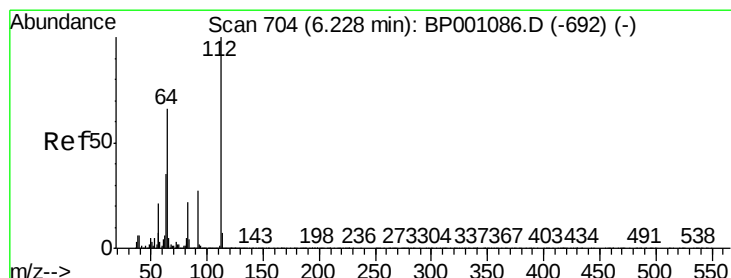
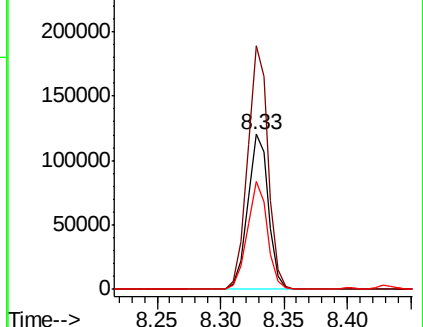
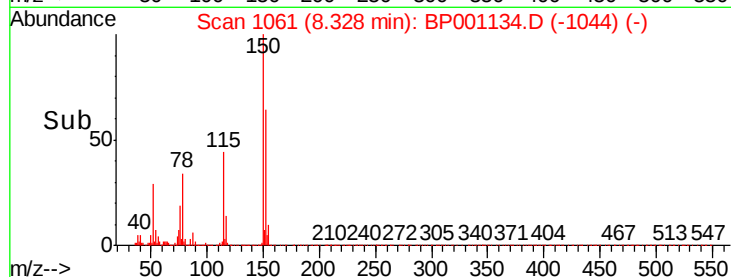
115 69.4 51.6 77.4



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: 140.635 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.02 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

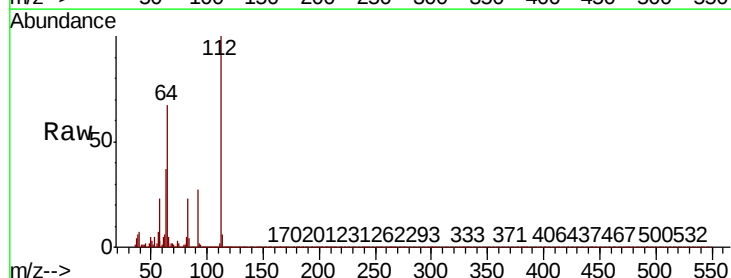
Tgt Ion:112 Resp: 1147823

Ion Ratio Lower Upper

112 100

64 66.9 52.8 79.2

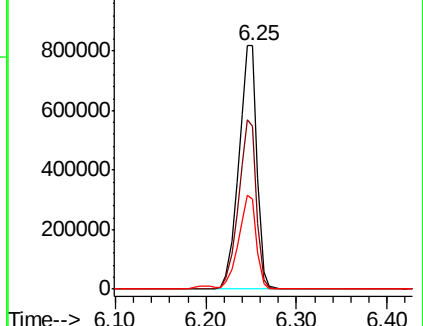
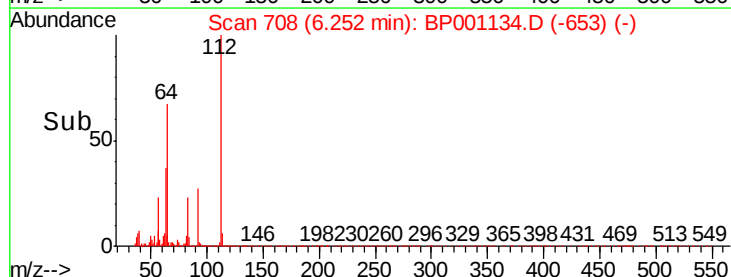
63 37.1 28.2 42.2



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: 138.345 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.01 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

Instrument :

BNA_P

ClientSampleId :

SU-01-112719

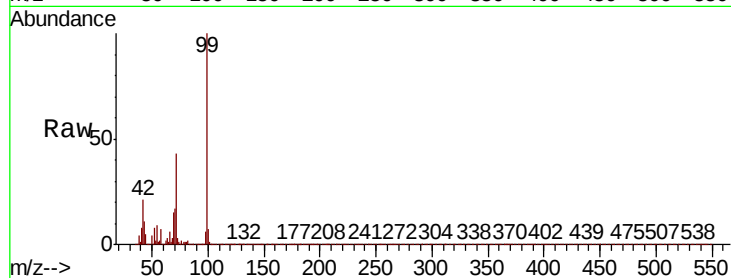
Tot Ion: 99 Resp: 1504285

Ion	Ratio	Lower	Upper
99	100		
42	21.2	15.4	23.0
71	42.5	30.8	46.2

99 100

42 21.2 15.4 23.0

71 42.5 30.8 46.2

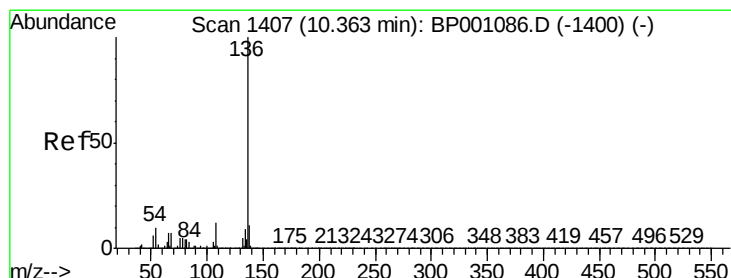
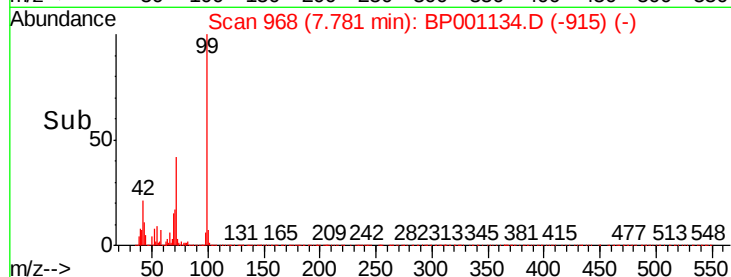
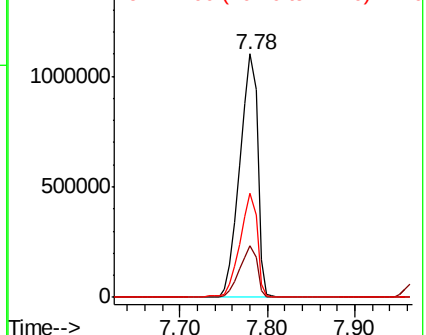


Abundance

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: 10.36 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

Tgt Ion: 136 Resp: 498119

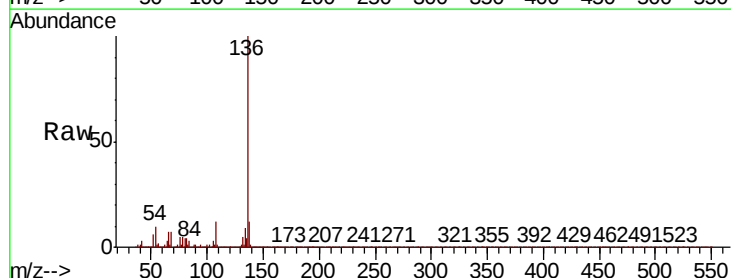
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	10.1	7.9	11.9
68	6.9	5.6	8.4

136 100

137 11.7 8.8 13.2

54 10.1 7.9 11.9

68 6.9 5.6 8.4



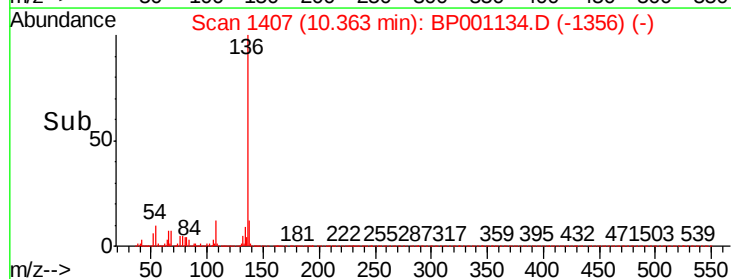
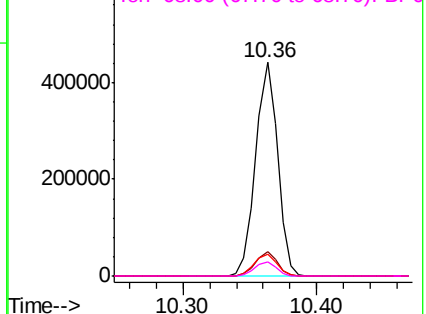
Abundance

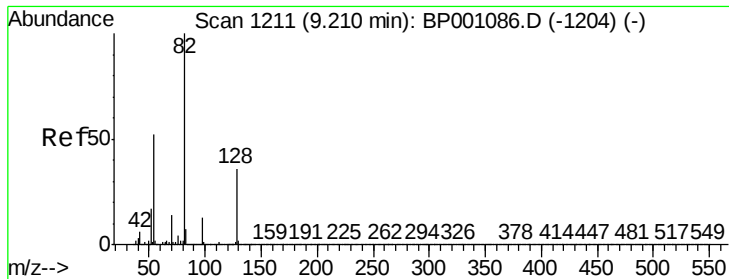
Ion 136.00 (135.70 to 136.70): E

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

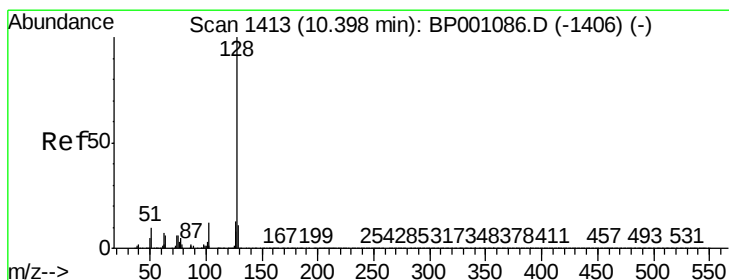
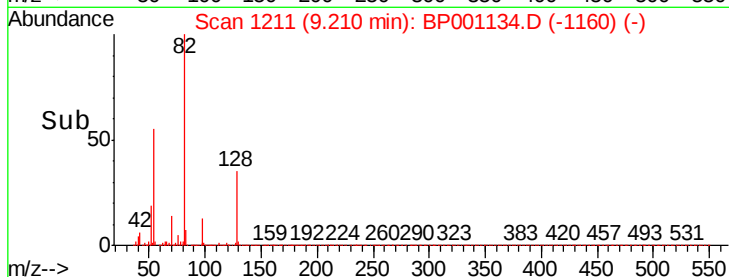
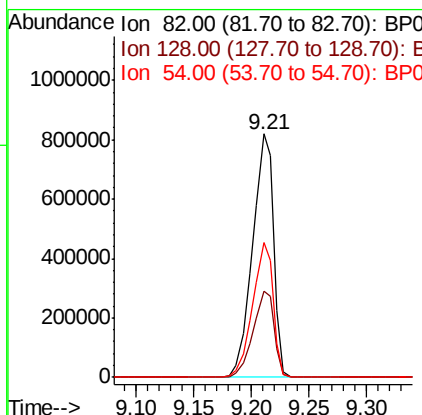
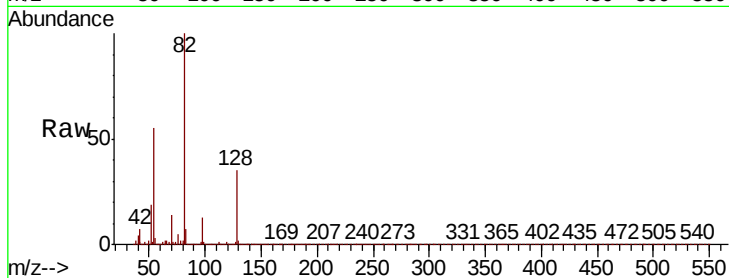




#23
Nitrobenzene-d5
Concen: 90.588 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BP001134.D
Acq: 02 Dec 2019 19:13

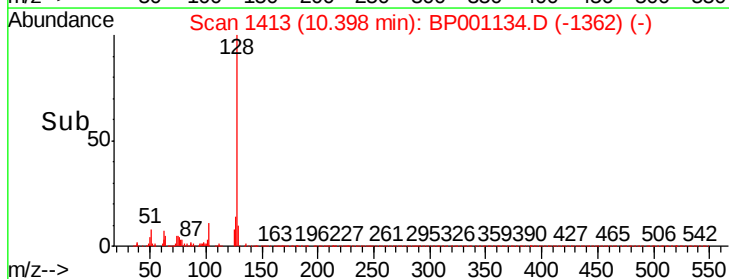
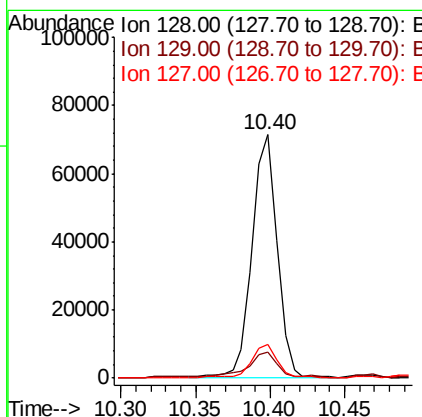
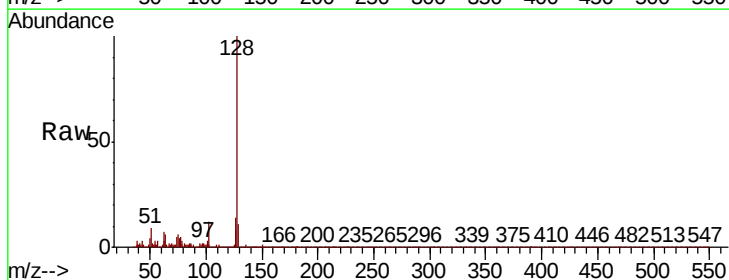
Instrument :
BNA_P
ClientSampleId :
SU-01-112719

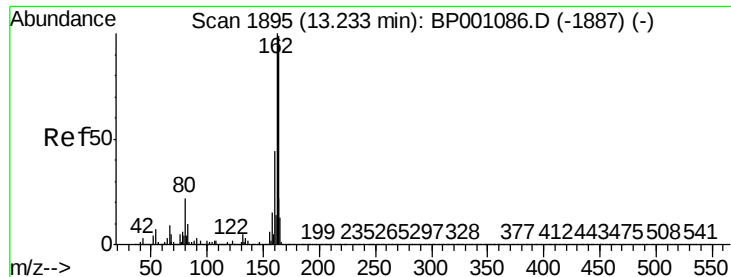
Tot Ion: 82 Resp: 1040048
Ion Ratio Lower Upper
82 100
128 35.4 28.9 43.3
54 55.3 41.9 62.9



#31
Naphthalene
Concen: 3.218 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BP001134.D
Acq: 02 Dec 2019 19:13

Tgt Ion: 128 Resp: 81874
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.7 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.23 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

Instrument :

BNA_P

ClientSampleId :

SU-01-112719

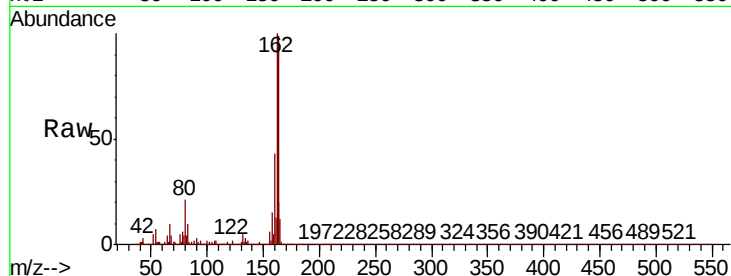
Tot Ion:164 Resp: 275020

Ion Ratio Lower Upper

164 100

162 101.3 80.6 120.8

160 43.9 35.4 53.2

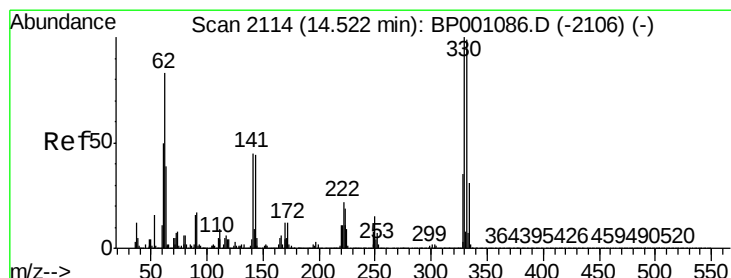
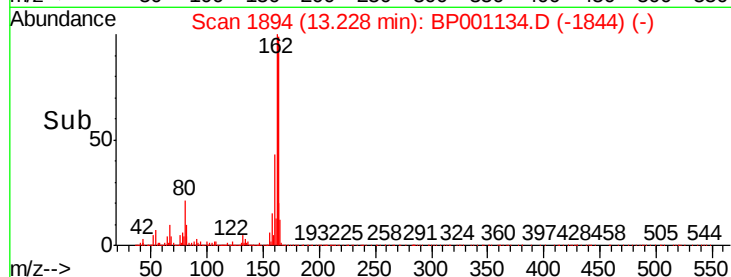
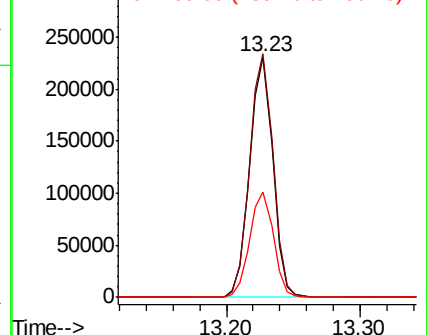


Abundance

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: 143.380 ng

RT: 14.52 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

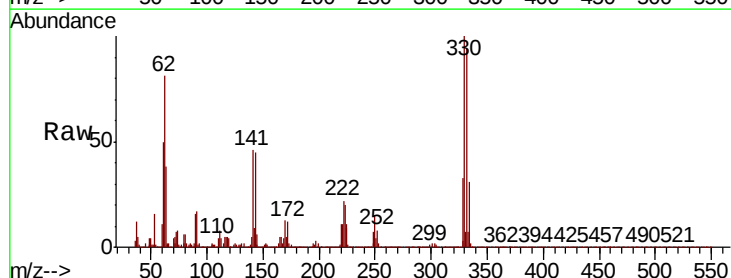
Tgt Ion:330 Resp: 377958

Ion Ratio Lower Upper

330 100

332 95.4 77.6 116.4

141 43.6 34.2 51.2

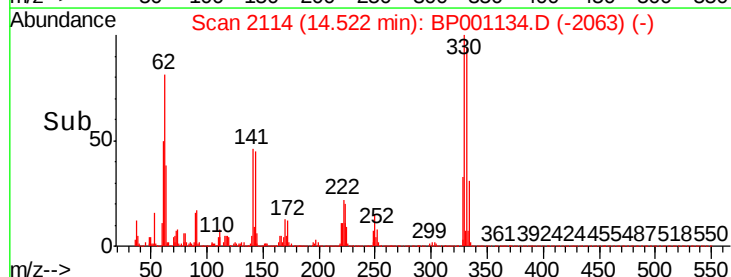
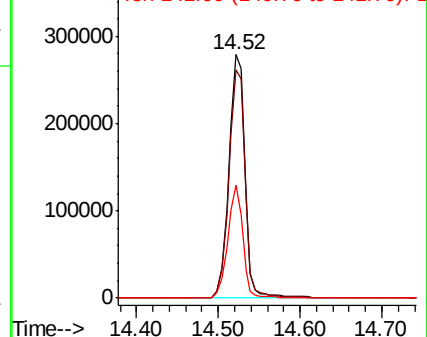


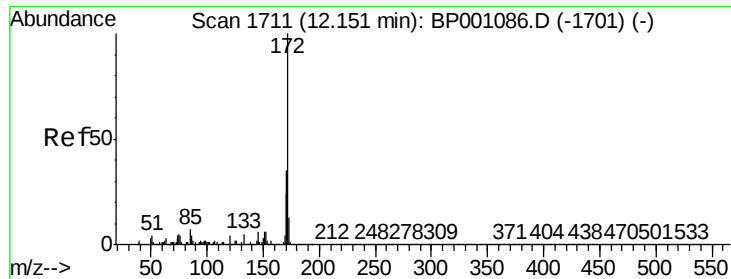
Abundance

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

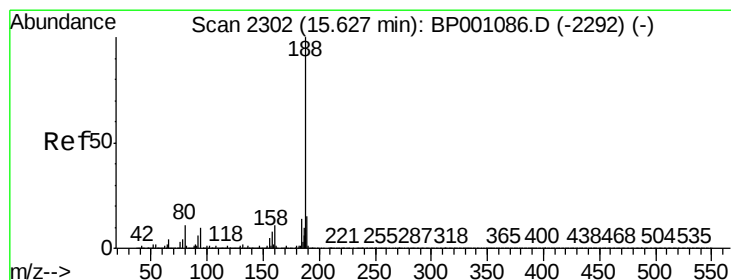
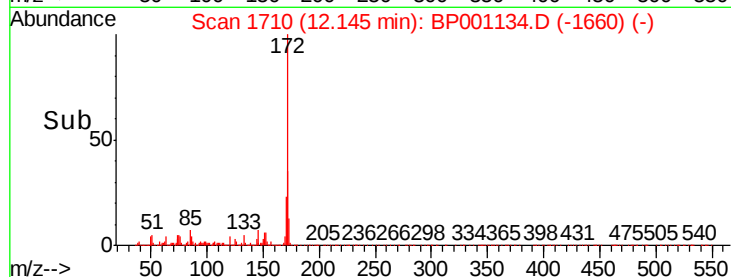
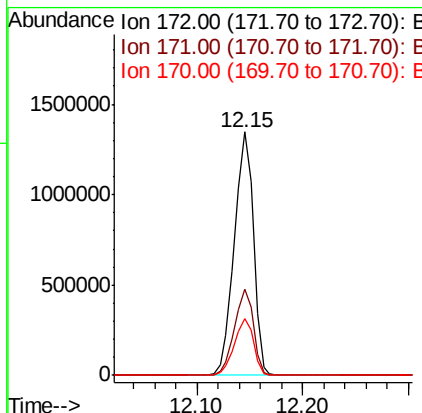
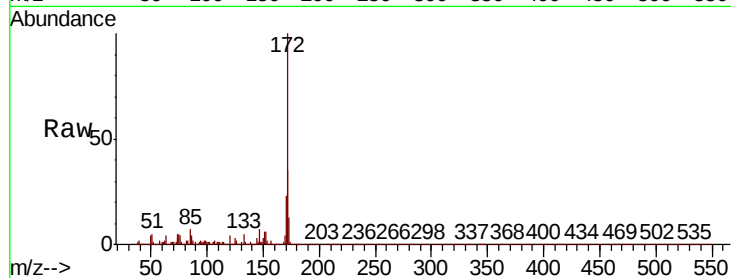




#45
2-Fluorobiphenyl
Concen: 88.867 ng
RT: 12.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP001134.D
Acq: 02 Dec 2019 19:13

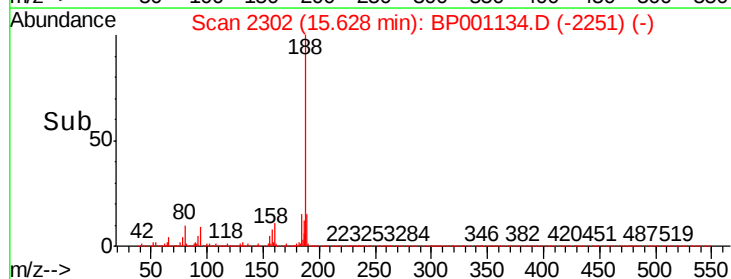
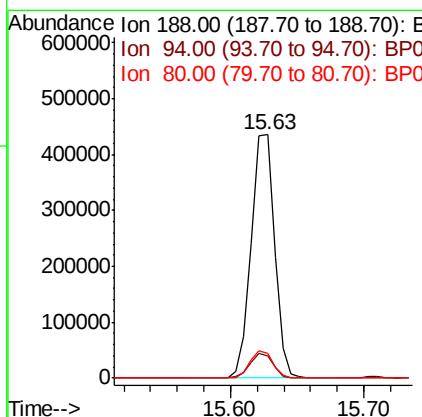
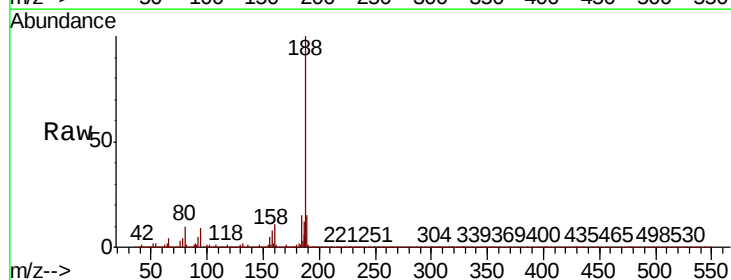
Instrument :
BNA_P
ClientSampleId :
SU-01-112719

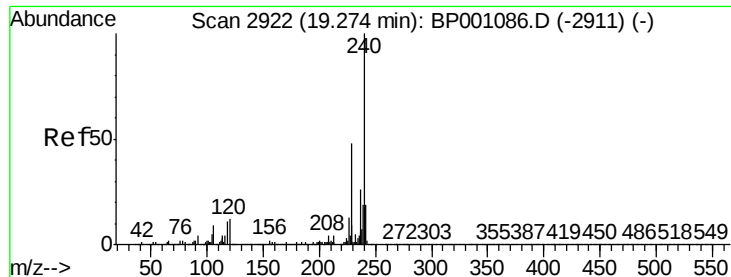
Tot Ion:172 Resp: 1669893
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 23.5 19.0 28.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BP001134.D
Acq: 02 Dec 2019 19:13

Tgt Ion:188 Resp: 522666
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 10.3 8.8 13.2

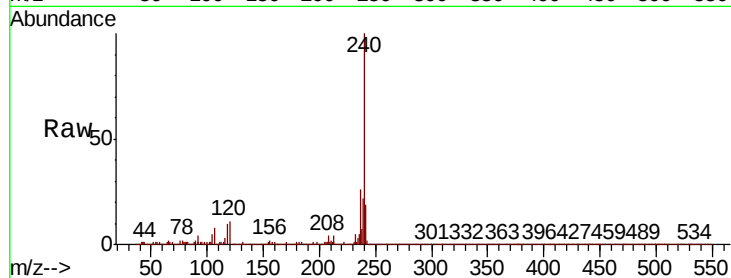




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.27 min Scan# 2921
Delta R.T. -0.01 min
Lab File: BP001134.D
Acq: 02 Dec 2019 19:13

Instrument :
BNA_P
ClientSampleId :
SU-01-112719

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.8	20.4	30.6

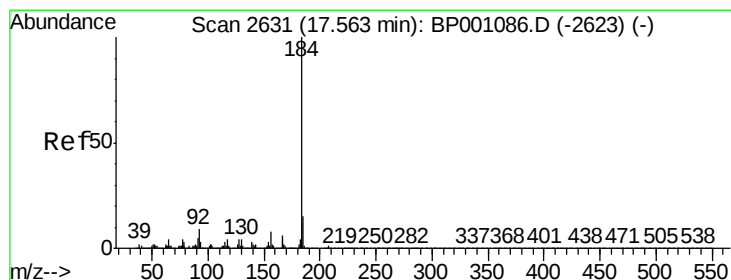
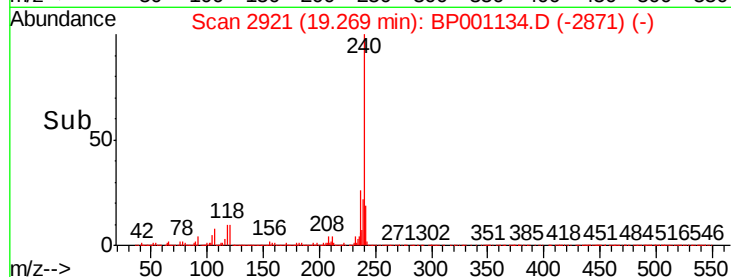
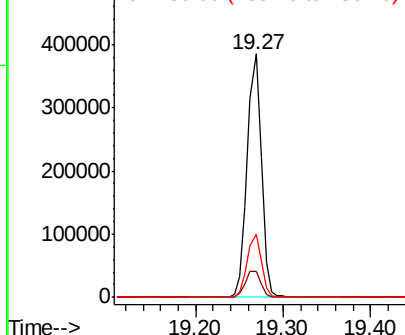


Abundance

Ion 240.00 (239.70 to 240.70): E

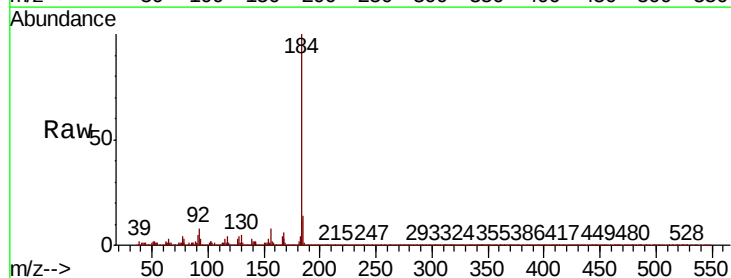
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 24.046 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.00 min
Lab File: BP001134.D
Acq: 02 Dec 2019 19:13

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.2	18.4
183	11.6	9.3	13.9

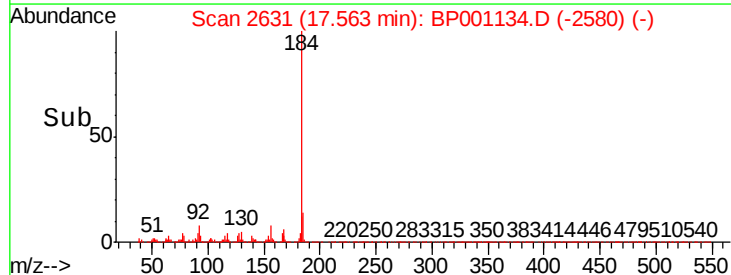
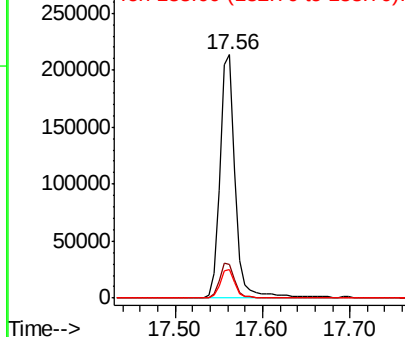


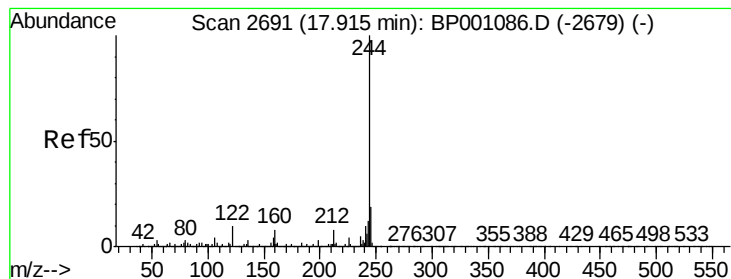
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.589 ng

RT: 17.92 min Scan# 2691

Delta R.T. 0.00 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

Instrument :

BNA_P

ClientSampleId :

SU-01-112719

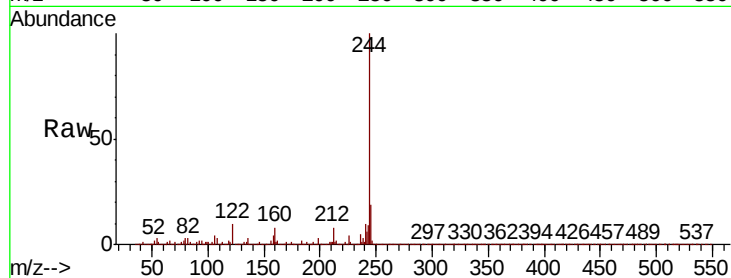
Tot Ion:244 Resp: 2015655

Ion Ratio Lower Upper

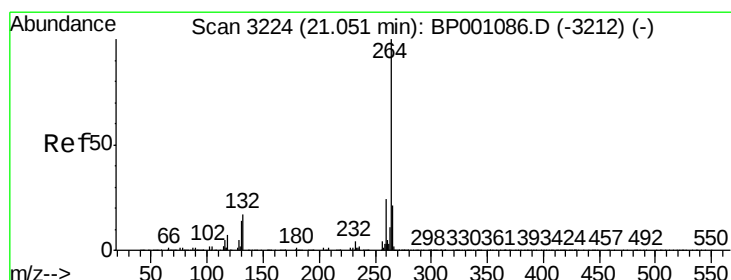
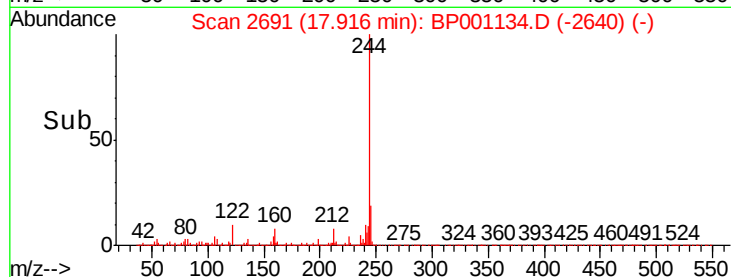
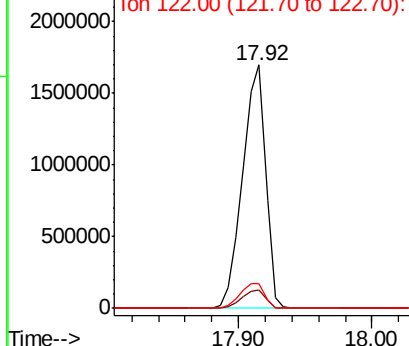
244 100

212 7.7 6.2 9.2

122 10.3 8.2 12.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BP001134.D

Acq: 02 Dec 2019 19:13

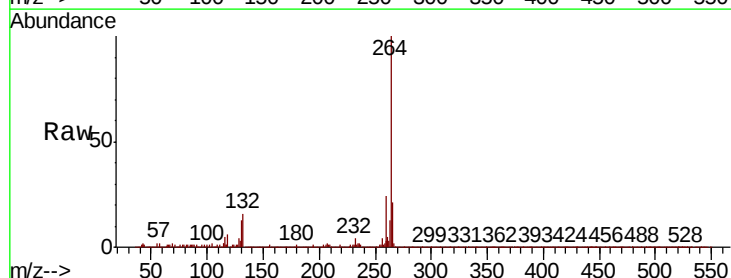
Tgt Ion:264 Resp: 450546

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.0 16.9 25.3



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

