

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082619\
 Data File : BF116573.D
 Acq On : 26 Aug 2019 14:36
 Operator : HP/JU
 Sample : K4490-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-SLAB

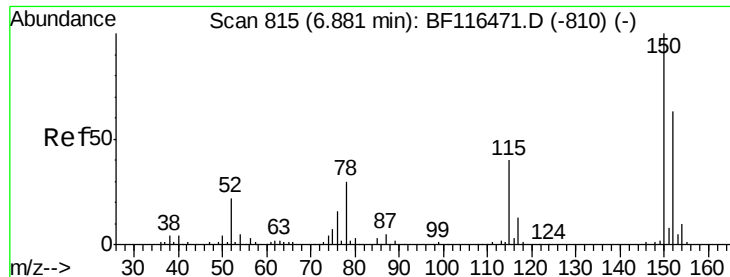
Quant Time: Aug 27 04:09:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	102744	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	407741	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	212628	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	379341	20.00	ng	0.00
76) Chrysene-d12	14.03	240	268888	20.00	ng	0.00
87) Perylene-d12	15.50	264	243032	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	544012	77.37	ng	0.00
7) Phenol-d6	6.50	99	756136	87.70	ng	0.00
23) Nitrobenzene-d5	7.44	82	496038	66.56	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	154525	84.64	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	913095	69.16	ng	0.00
79) Terphenyl-d14	12.98	244	1049665	72.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.44	82	494547	33.673	ng	# 67
35) Caprolactam	8.54	113	4198	2.154	ng	92
50) Dimethylphthalate	9.62	163	100217	6.755	ng	99
51) 2,6-Dinitrotoluene	9.67	165	25587	8.426	ng	# 28
54) 2,4-Dinitrophenol	9.96	184	471	8.775	ng	# 1
57) 2,4-Dinitrotoluene	9.92	165	27722	7.175	ng	# 21
60) Diethylphthalate	10.33	149	143409	9.835	ng	99
65) 4,6-Dinitro-2-methylphenol	10.70	198	313	7.177	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	10530	2.648	ng	# 1
74) Di-n-butylphthalate	11.96	149	275892	11.945	ng	99
80) Butylbenzylphthalate	13.45	149	19898	2.143	ng	98
84) Bis(2-ethylhexyl)phthalate	14.02	149	305675	24.685	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.00 min

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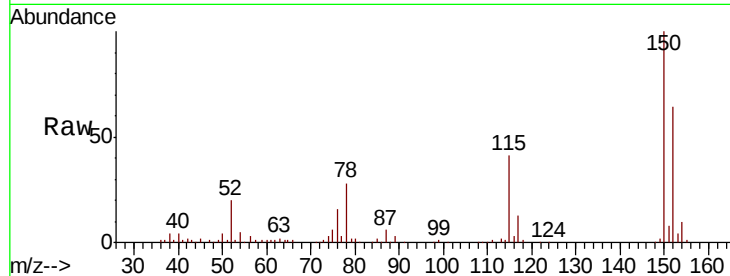
Tgt Ion:152 Resp: 102744

Ion Ratio Lower Upper

152 100

150 155.8 126.7 190.1

115 63.9 50.9 76.3

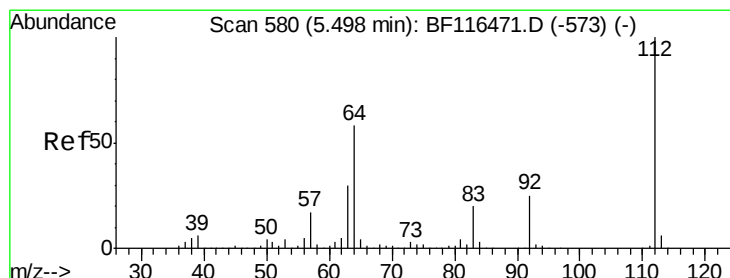
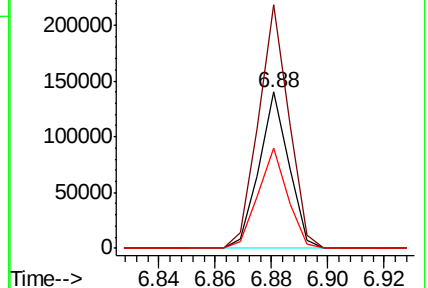
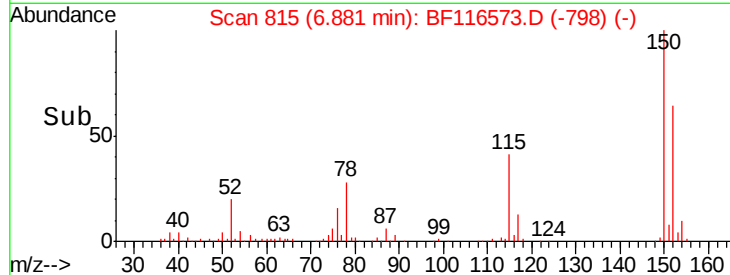


Abundance

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: 77.365 ng

RT: 5.50 min Scan# 580

Delta R.T. -0.00 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

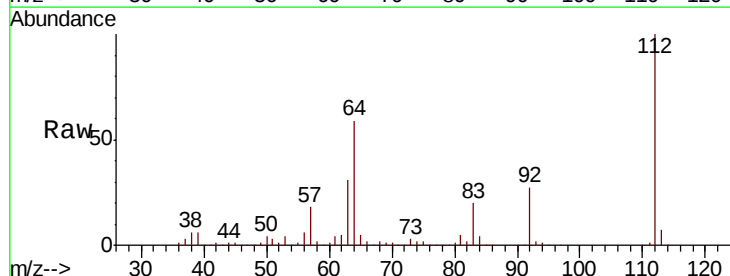
Tgt Ion:112 Resp: 544012

Ion Ratio Lower Upper

112 100

64 59.1 46.3 69.5

63 31.2 24.2 36.4

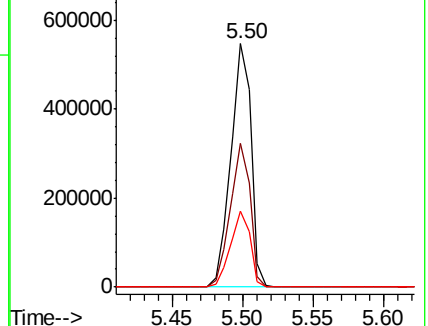
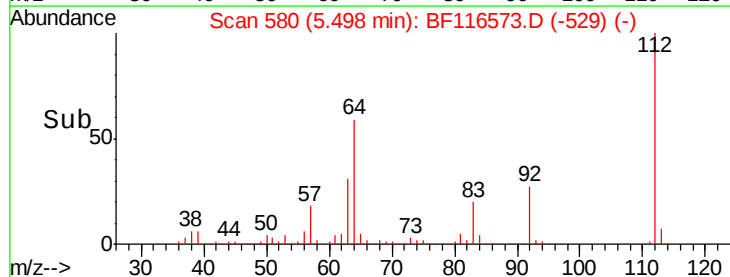


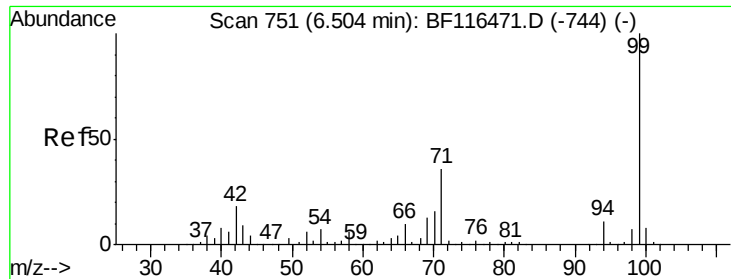
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 87.699 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB

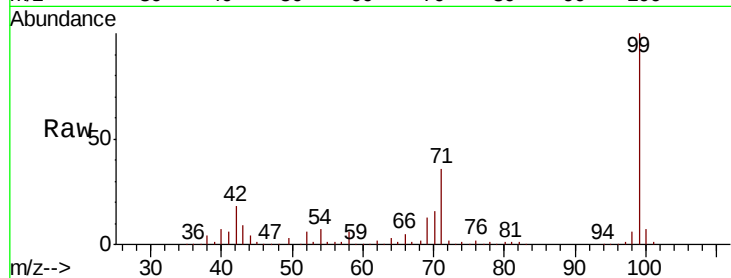
Tgt Ion: 99 Resp: 756136

Ion Ratio Lower Upper

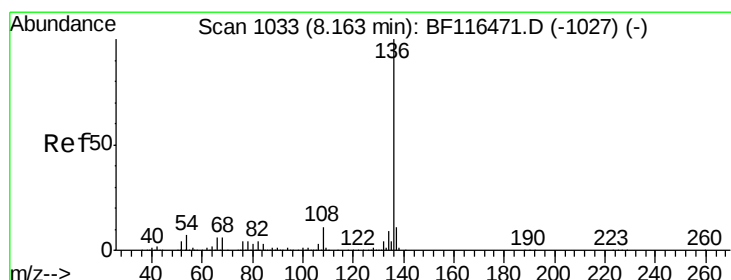
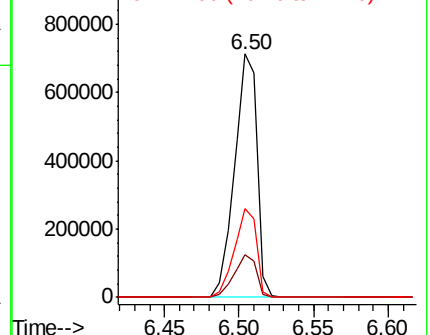
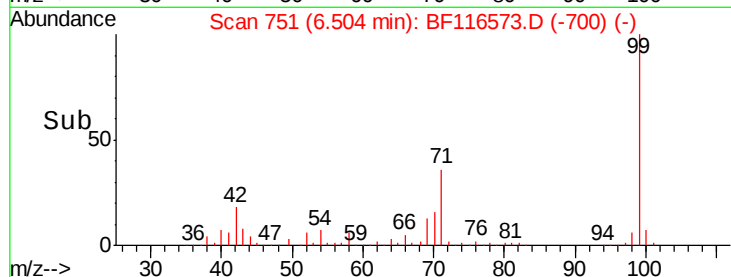
99 100

42 17.7 14.6 21.8

71 36.3 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

Tgt Ion: 136 Resp: 407741

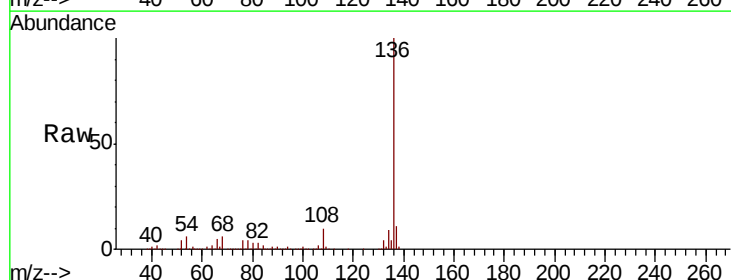
Ion Ratio Lower Upper

136 100

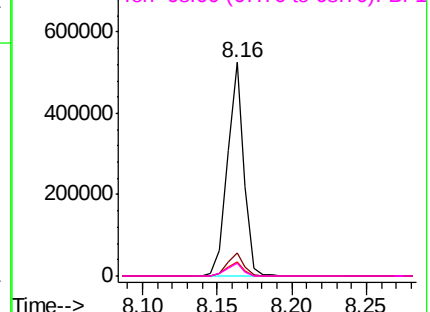
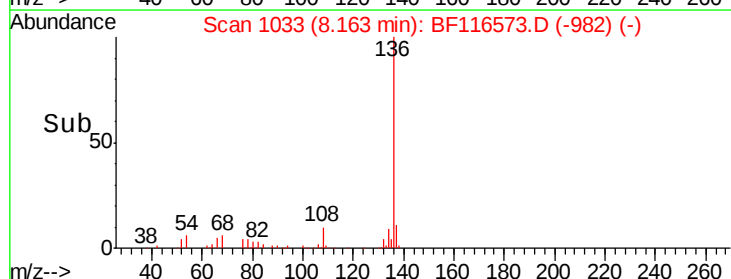
137 10.7 9.0 13.4

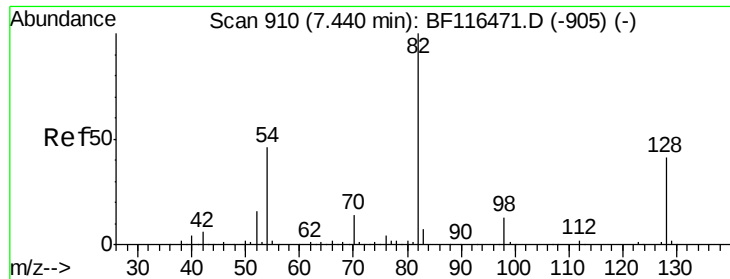
54 6.3 5.8 8.6

68 5.8 5.1 7.7



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): BF1
Ion 68.00 (67.70 to 68.70): BF1

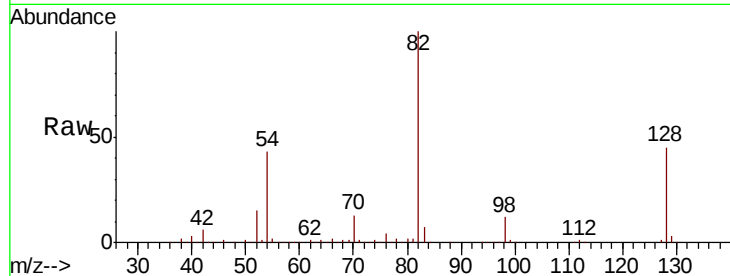




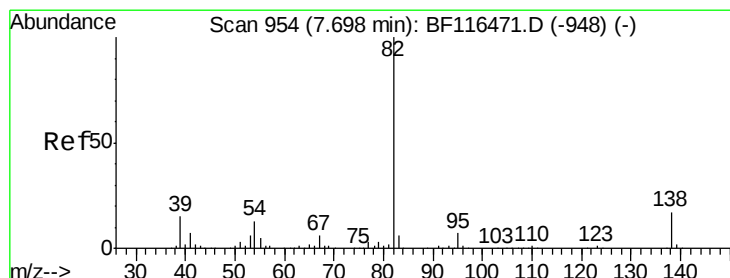
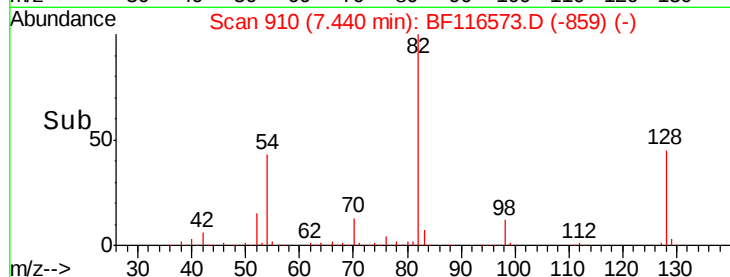
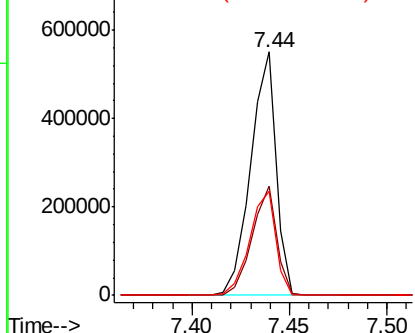
#23
 Nitrobenzene-d5
 Concen: 66.557 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-SLAB

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	32.2	48.4
54	43.0	36.5	54.7

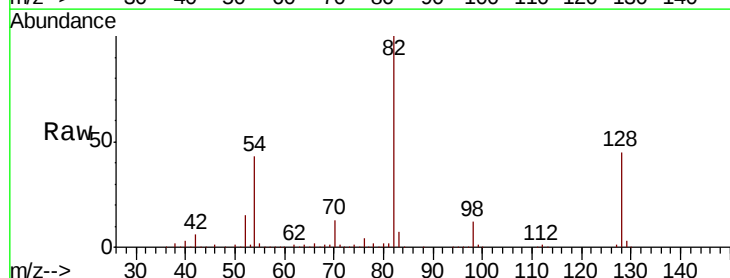


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

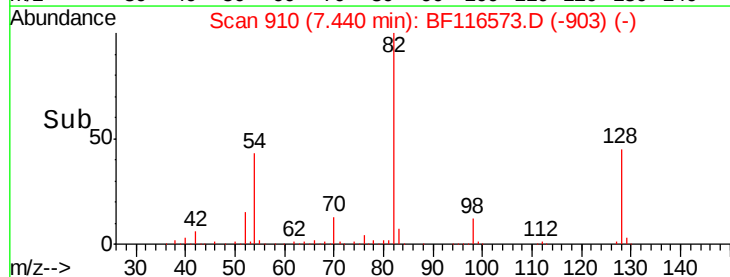
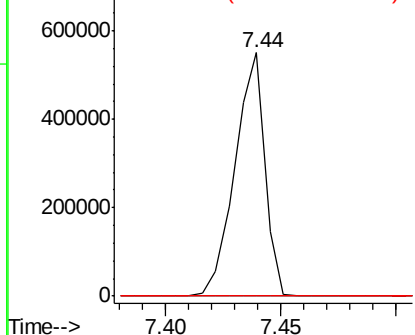


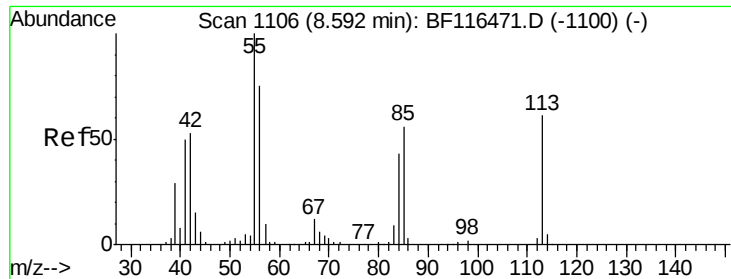
#25
 Isophorone
 Concen: 33.673 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.3	7.9#
138	0.0	13.3	19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

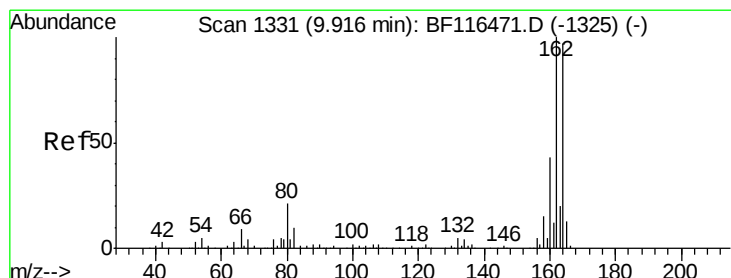
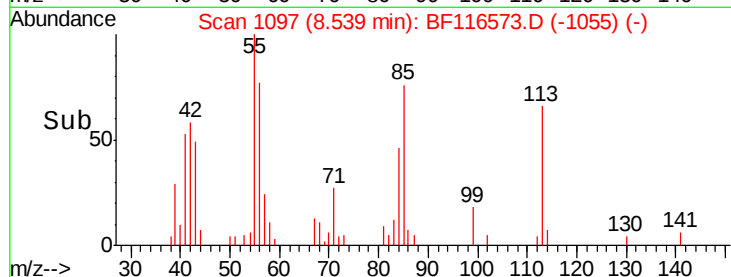
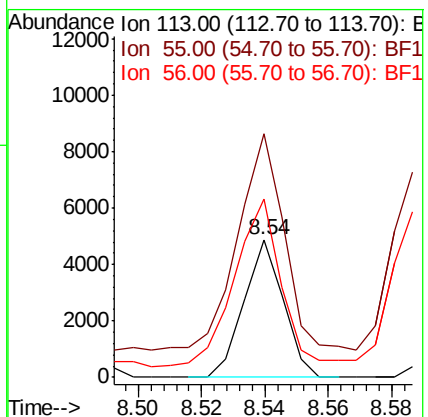
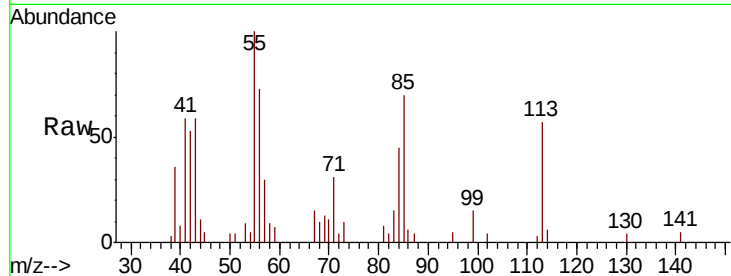




#35
 Caprolactam
 Concen: 2.154 ng
 RT: 8.54 min Scan# 1097
 Delta R.T. -0.05 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

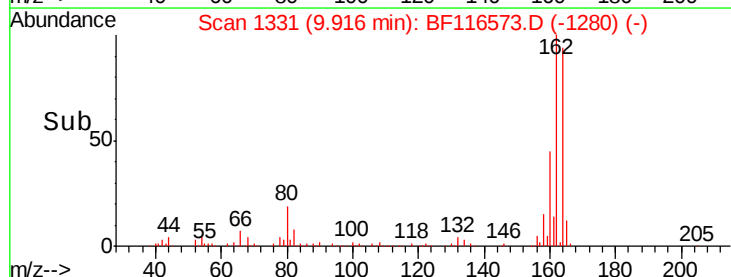
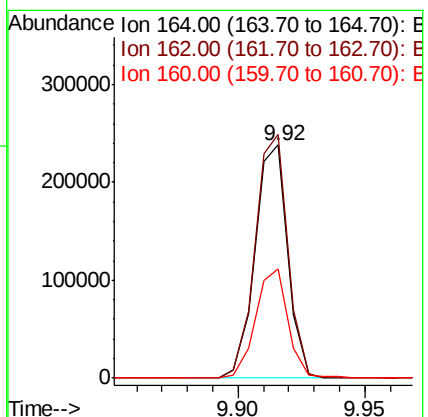
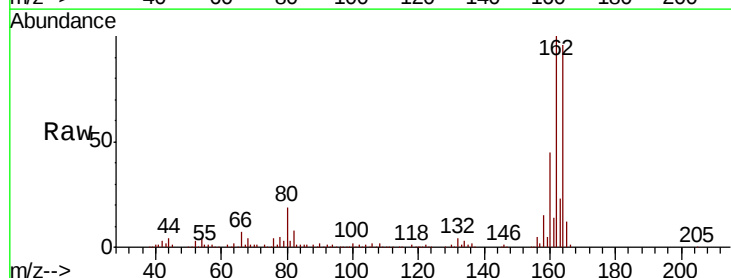
Instrument :
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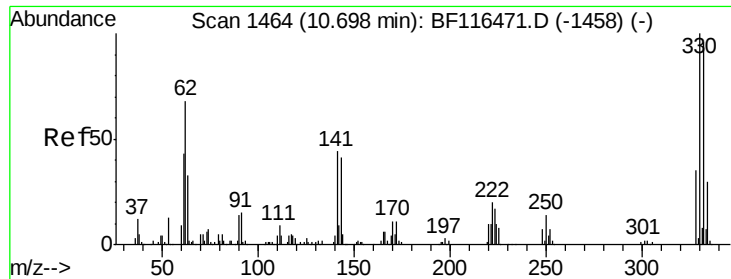
Tgt Ion:113 Resp: 4198
 Ion Ratio Lower Upper
 113 100
 55 176.8 143.6 183.6
 56 129.2 102.3 142.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Tgt Ion:164 Resp: 212628
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 46.6 35.8 53.8

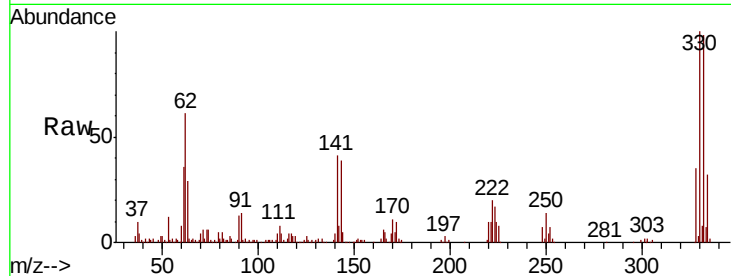




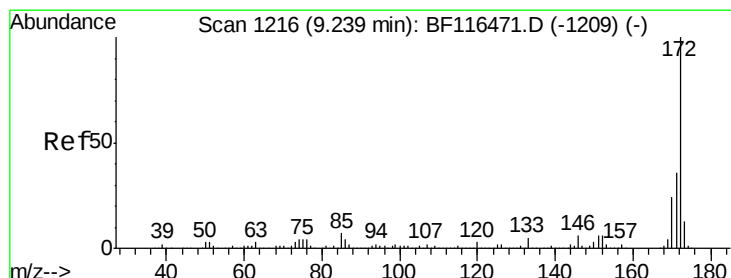
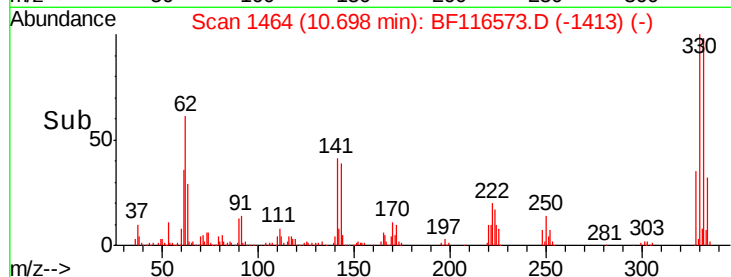
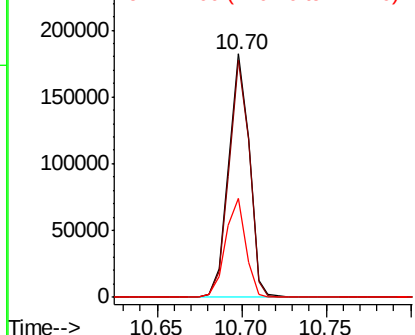
#42
 2,4,6-Tribromophenol
 Concen: 84.635 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-SLAB

Tgt Ion:330 Resp: 154525
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.2 115.8
 141 40.6 33.3 49.9

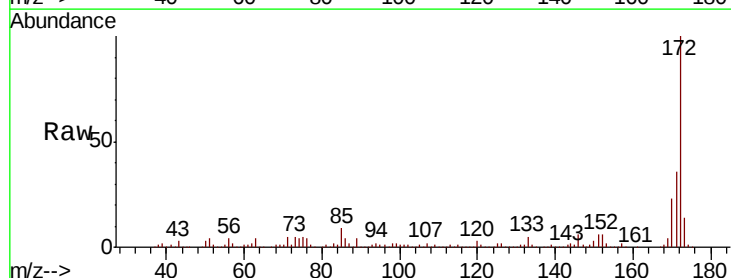


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

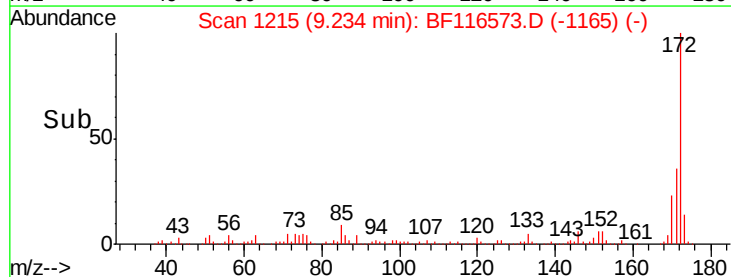
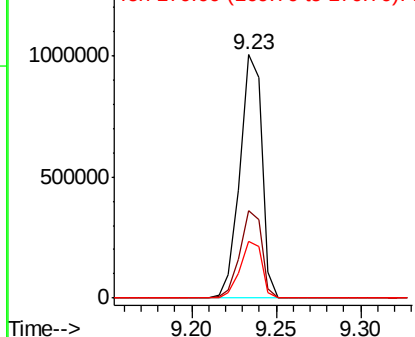


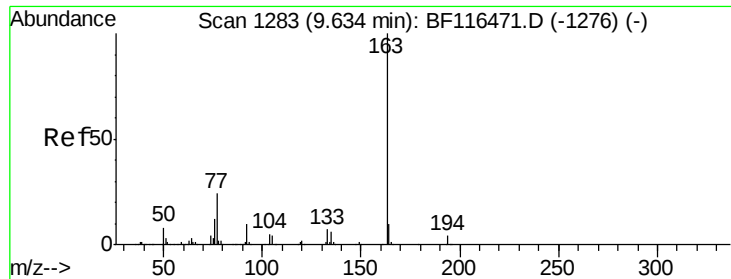
#45
 2-Fluorobiphenyl
 Concen: 69.156 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Tgt Ion:172 Resp: 913095
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 23.3 19.4 29.0



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

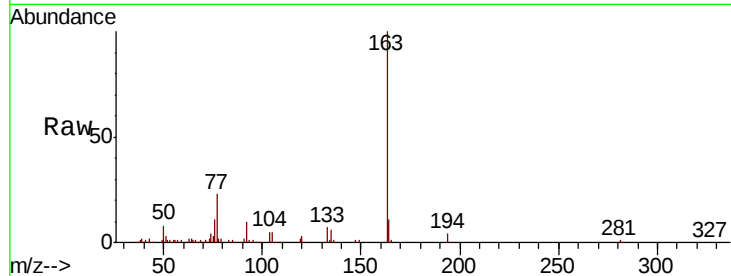




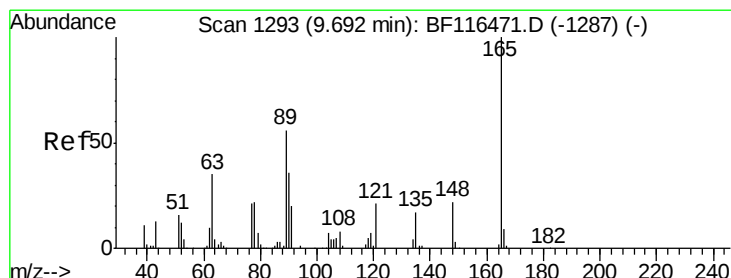
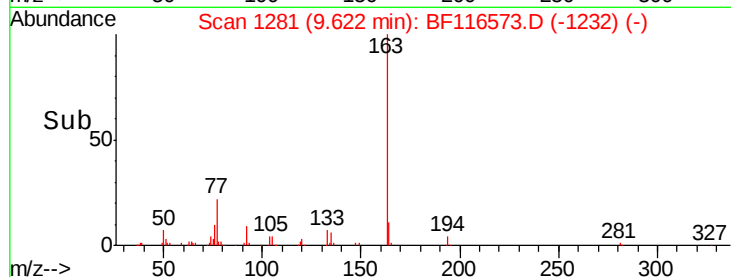
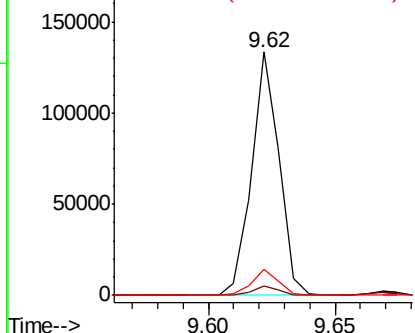
#50
Dimethylphthalate
Concen: 6.755 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116573.D
Acq: 26 Aug 2019 14:36

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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.7	8.2	12.2

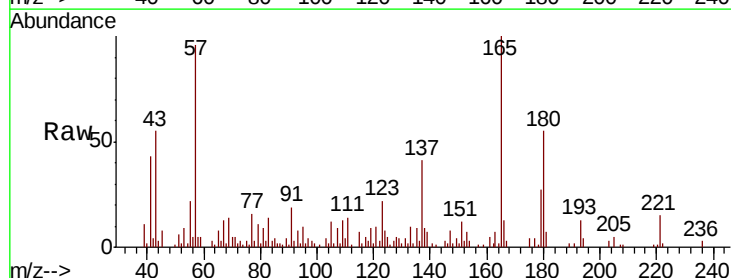


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

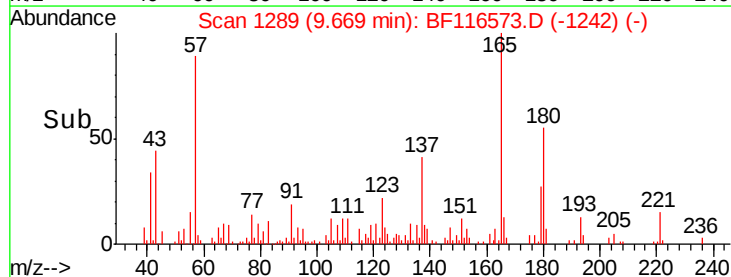
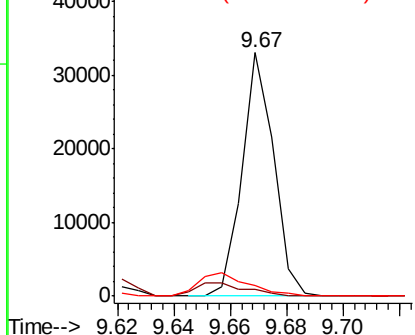


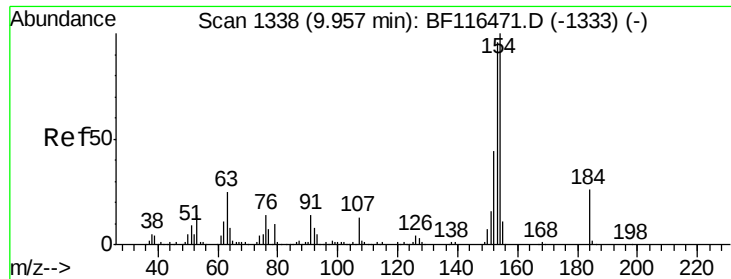
#51
2,6-Dinitrotoluene
Concen: 8.426 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BF116573.D
Acq: 26 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	43.7	65.5#
89	4.5	45.1	67.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

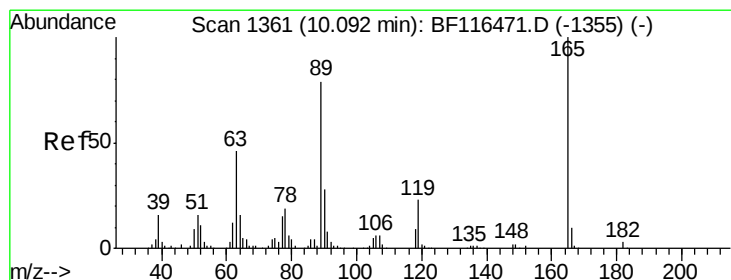
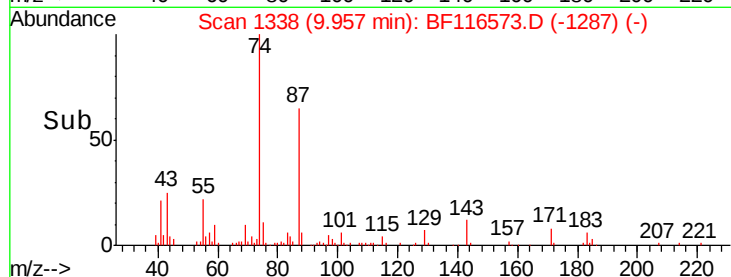
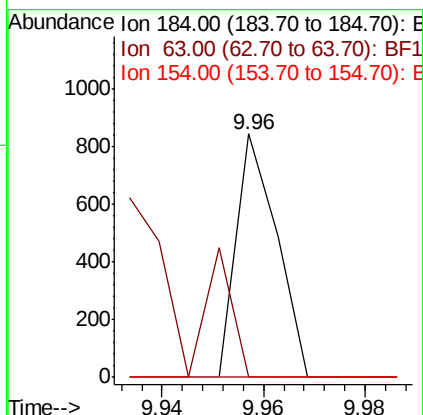
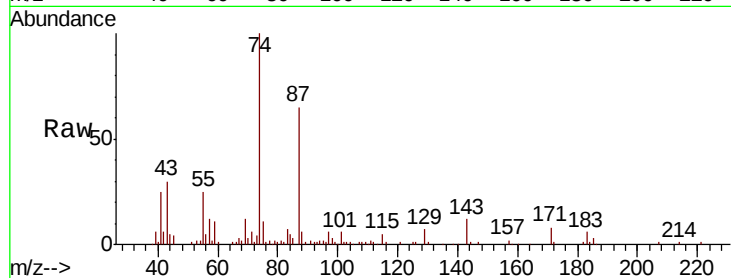




#54
 2,4-Dinitrophenol
 Concen: 8.775 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

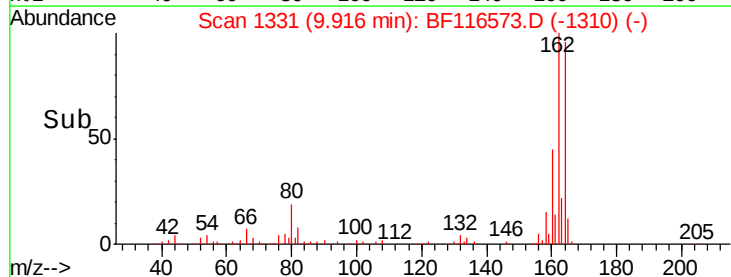
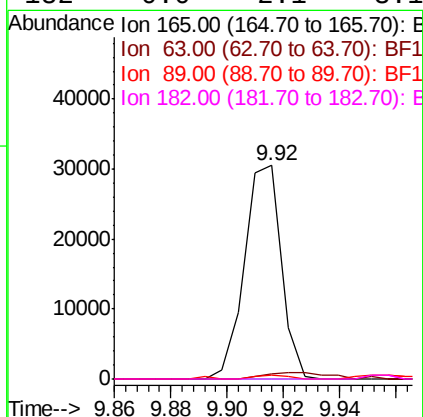
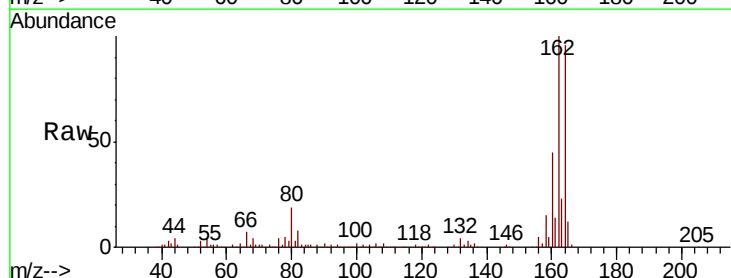
Instrument :
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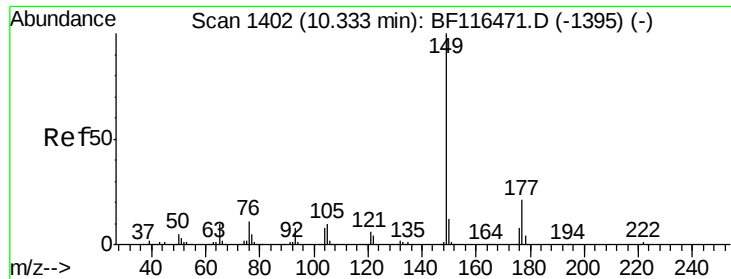
Tgt Ion:184 Resp: 471
 Ion Ratio Lower Upper
 184 100
 63 0.0 78.2 117.4#
 154 0.0 320.4 480.6#



#57
 2,4-Dinitrotoluene
 Concen: 7.175 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Tgt Ion:165 Resp: 27722
 Ion Ratio Lower Upper
 165 100
 63 2.4 36.9 55.3#
 89 1.7 63.4 95.0#
 182 0.0 2.1 3.1#

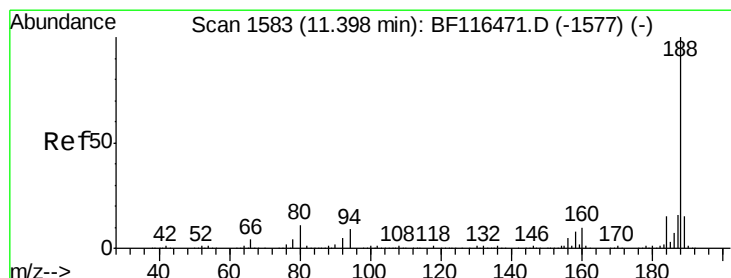
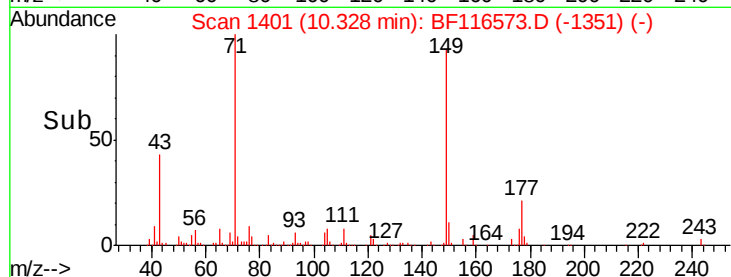
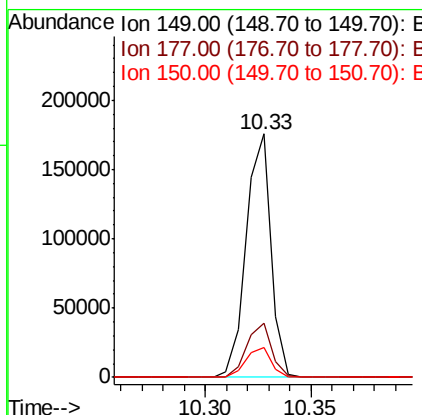
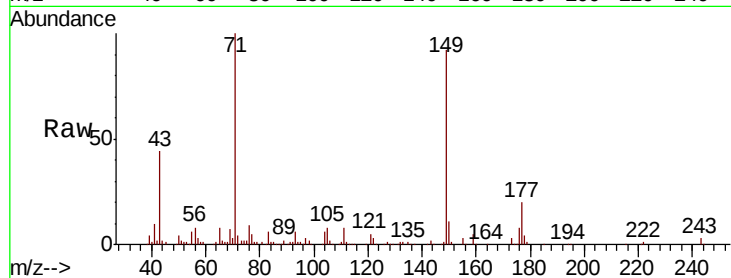




#60
Diethylphthalate
Concen: 9.835 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF116573.D
Acq: 26 Aug 2019 14:36

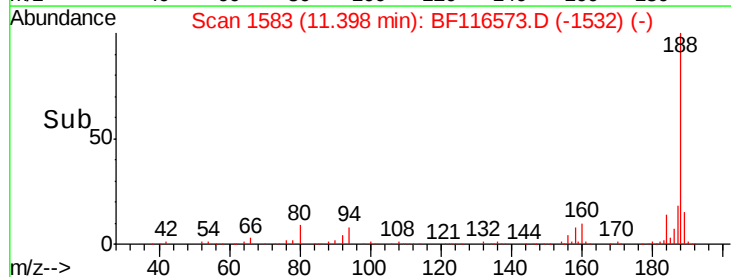
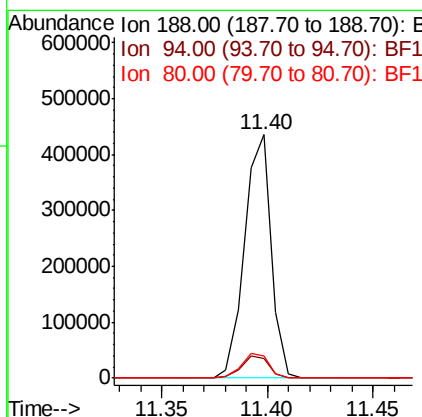
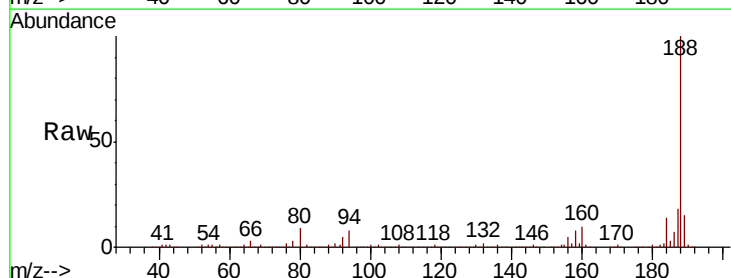
Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

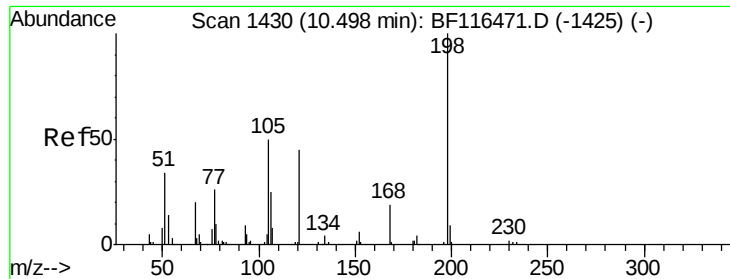
Tgt Ion:149 Resp: 143409
Ion Ratio Lower Upper
149 100
177 22.1 17.1 25.7
150 12.2 9.8 14.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116573.D
Acq: 26 Aug 2019 14:36

Tgt Ion:188 Resp: 379341
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 9.2 8.6 12.8

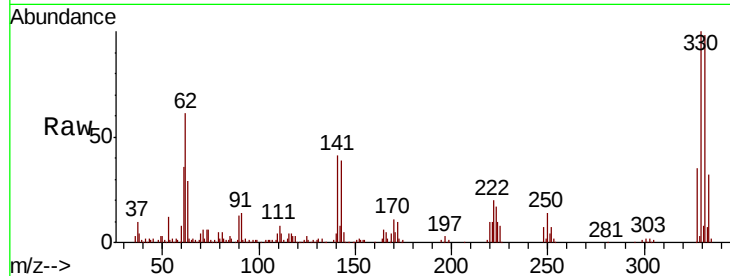




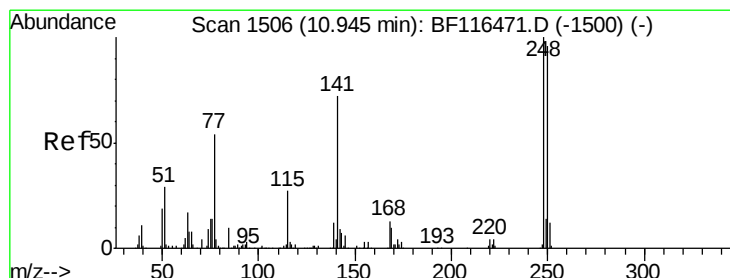
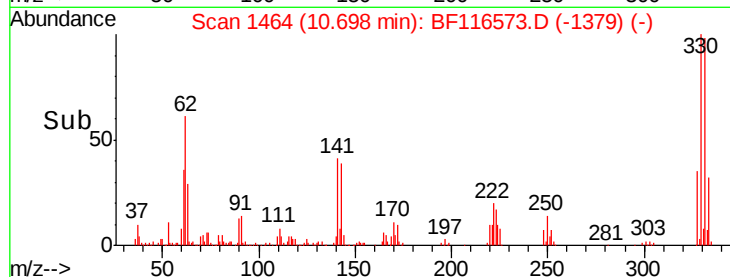
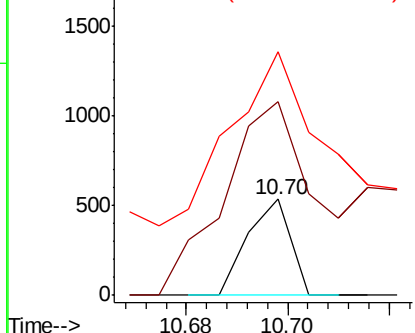
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.177 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-SLAB

Tgt Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 201.7 30.4 70.4#
 105 254.3 32.8 72.8#

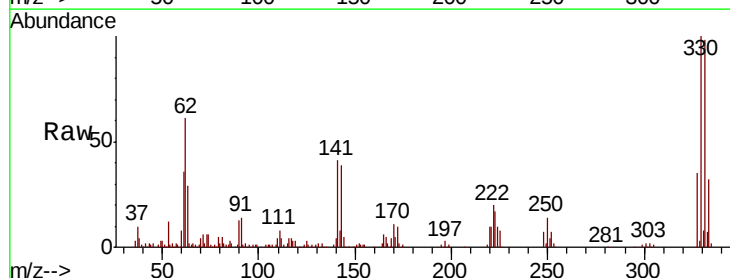


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

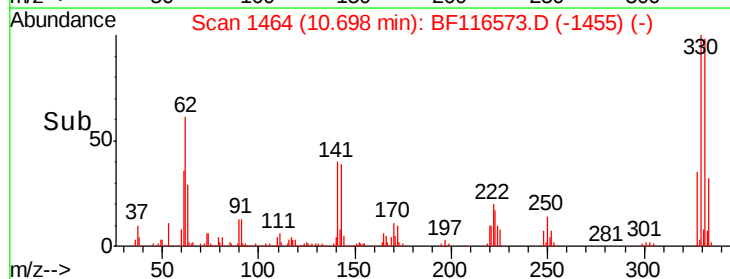
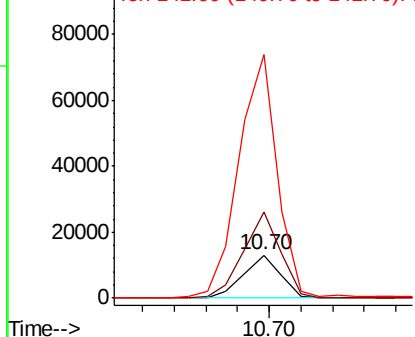


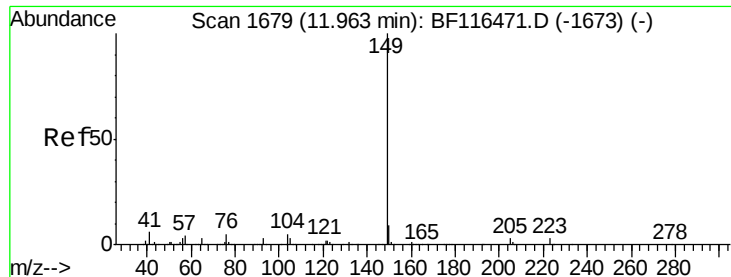
#67
 4-Bromophenyl-phenylether
 Concen: 2.648 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116573.D
 Acq: 26 Aug 2019 14:36

Tgt Ion:248 Resp: 10530
 Ion Ratio Lower Upper
 248 100
 250 199.3 77.0 115.6#
 141 562.7 57.4 86.0#



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





#74

Di-n-butylphthalate

Concen: 11.945 ng

RT: 11.96 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB

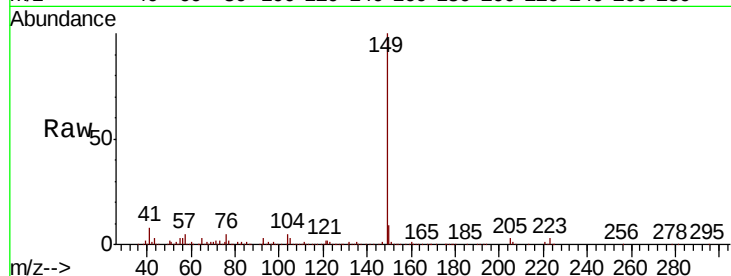
Tgt Ion:149 Resp: 275892

Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

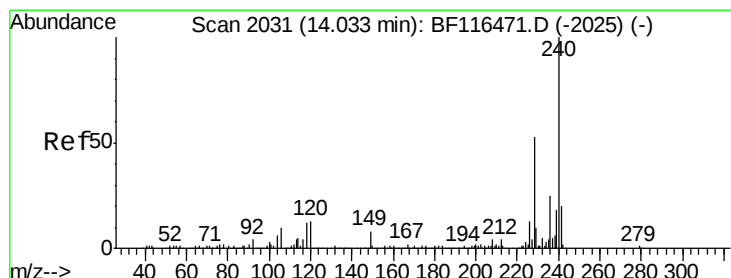
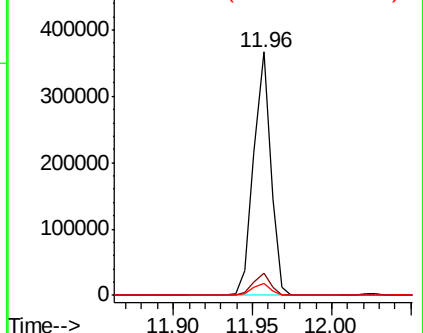
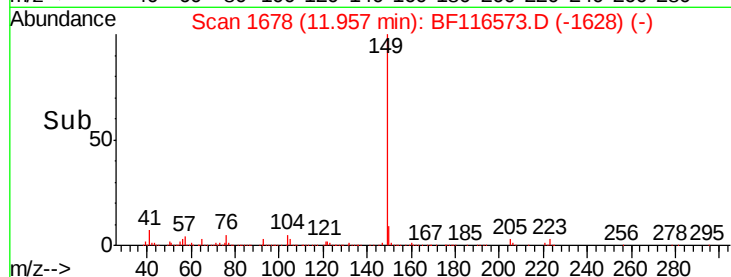
104 4.7 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

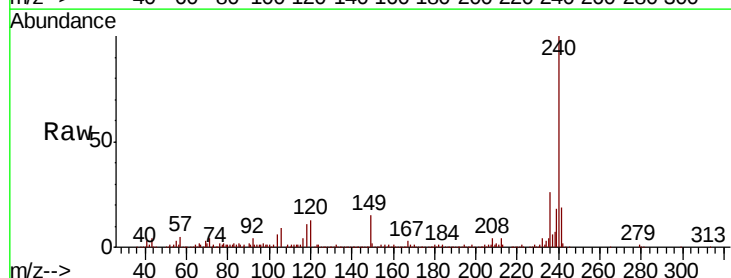
Tgt Ion:240 Resp: 268888

Ion Ratio Lower Upper

240 100

120 12.8 10.5 15.7

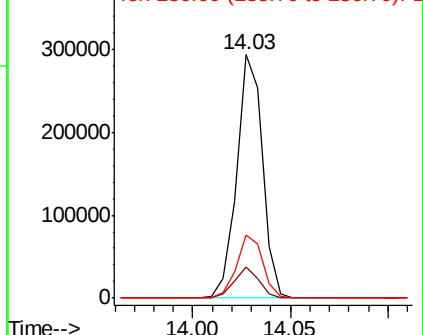
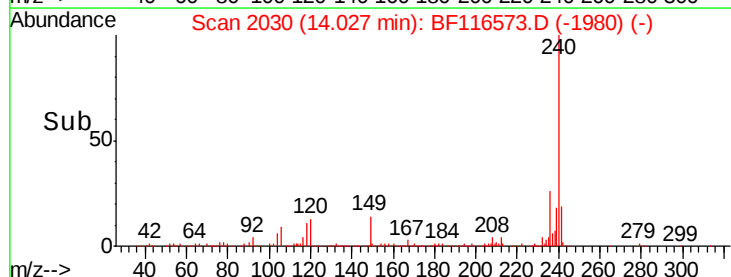
236 26.1 20.2 30.2

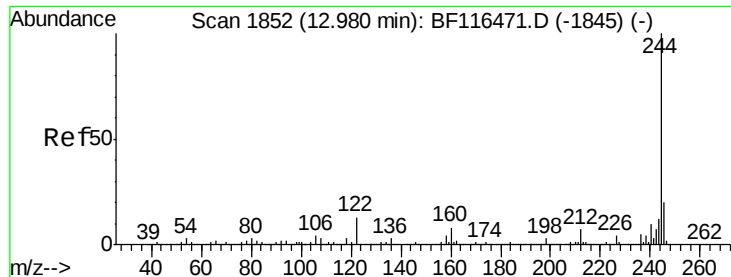


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 72.918 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB

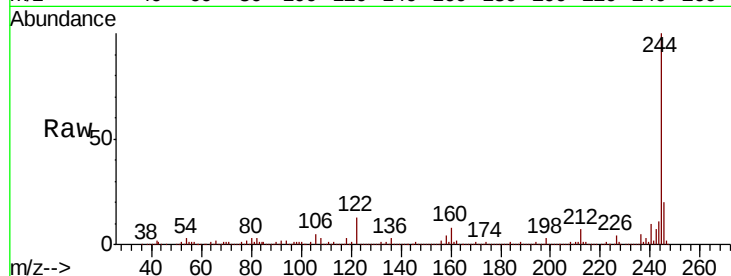
Tgt Ion:244 Resp: 1049665

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

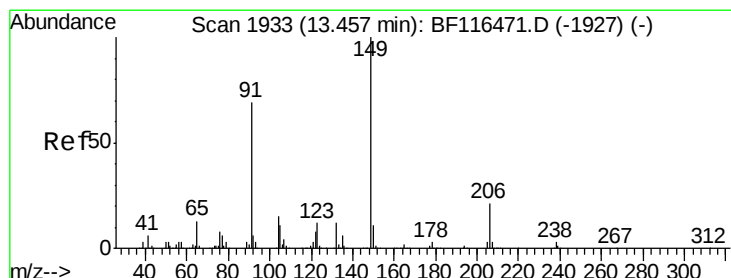
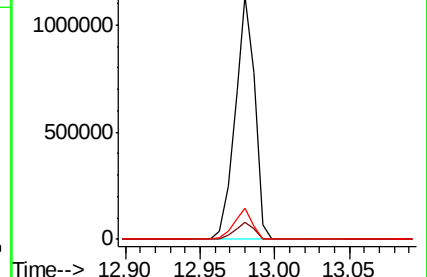
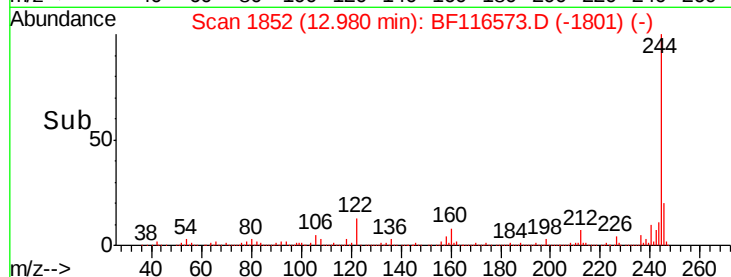
122 12.6 10.2 15.4



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



#80

Butylbenzylphthalate

Concen: 2.143 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

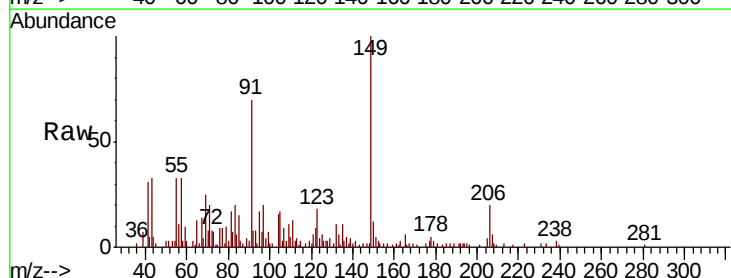
Tgt Ion:149 Resp: 19898

Ion Ratio Lower Upper

149 100

91 70.1 54.9 82.3

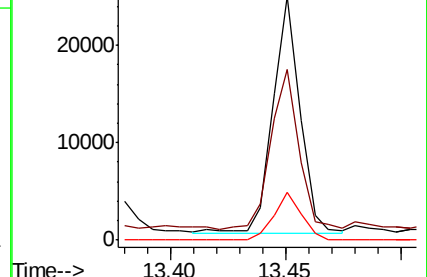
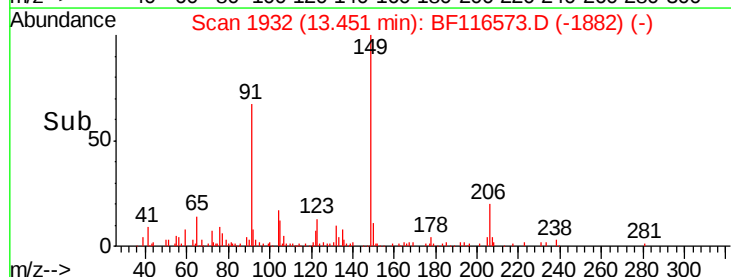
206 19.5 16.6 24.8

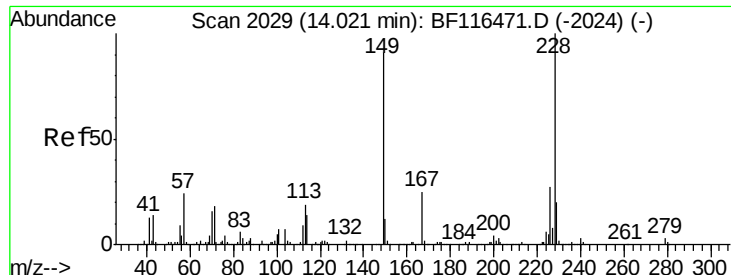


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 24.685 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB

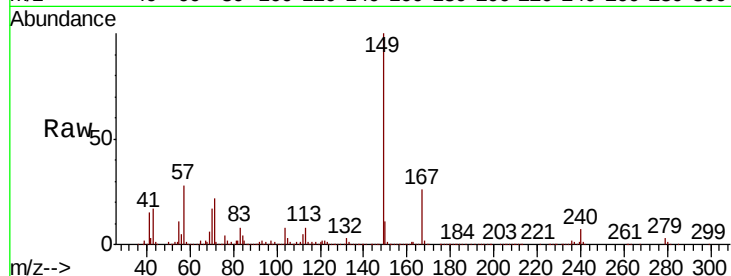
Tgt Ion:149 Resp: 305675

Ion Ratio Lower Upper

149 100

167 25.5 21.8 32.6

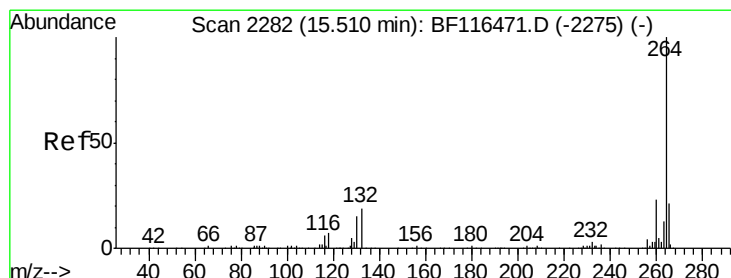
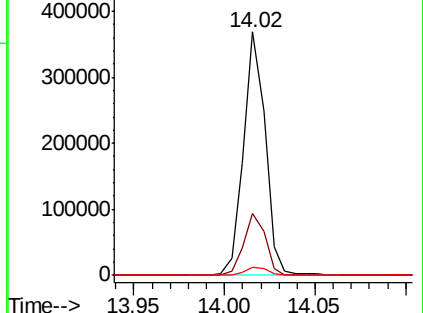
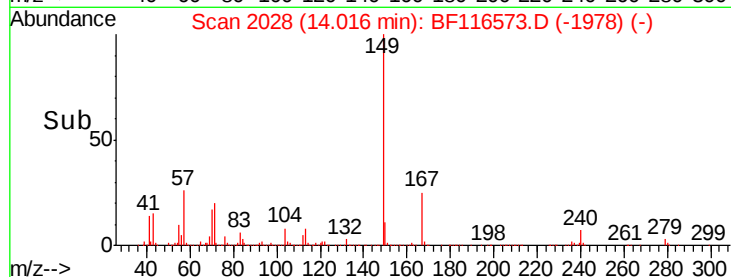
279 3.3 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116573.D

Acq: 26 Aug 2019 14:36

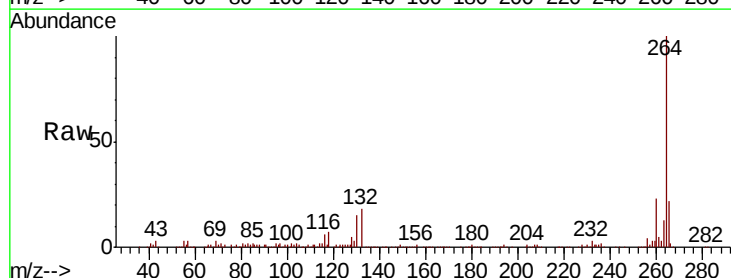
Tgt Ion:264 Resp: 243032

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.5 17.1 25.7



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

