

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111378.D
 Acq On : 13 Dec 2018 19:08
 Operator : JU/SJ
 Sample : J6342-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-8RE

Quant Time: Dec 13 20:46:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	234740	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	875244	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	327140	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	486956	20.00	ng	0.00
76) Chrysene-d12	13.94	240	222590	20.00	ng	-0.01
87) Perylene-d12	15.40	264	265889	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1116081	80.40	ng	0.00
7) Phenol-d6	6.43	99	1720194	91.91	ng	0.00
23) Nitrobenzene-d5	7.35	82	1172778	75.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	107189	37.17	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1884842	92.50	ng	0.00
79) Terphenyl-d14	12.90	244	1355555	134.04	ng	0.00

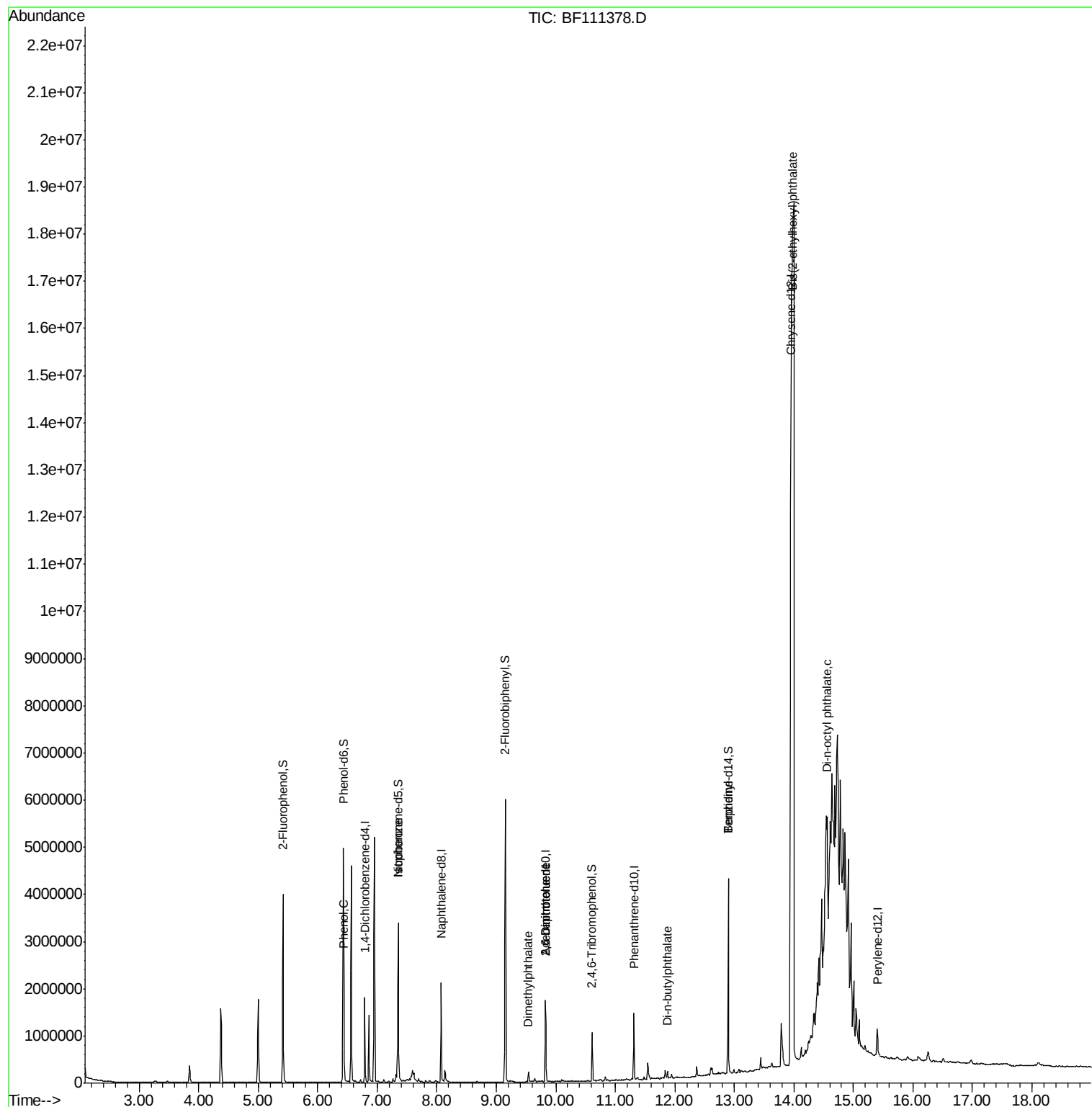
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3080	Below Cal		# 1
10) Phenol	6.45	94	76368	3.602	ng	# 90
25) Isophorone	7.35	82	1155615	43.811	ng	# 64
50) Dimethylphthalate	9.54	163	86781	3.689	ng	# 98
51) 2,6-Dinitrotoluene	9.83	165	42662	8.181	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	42662	6.383	ng	# 24
74) Di-n-butylphthalate	11.87	149	70426	2.334	ng	# 96
77) Benzidine	12.90	184	15988	3.806	ng	# 94
84) Bis(2-ethylhexyl)phthalate	13.97	149	13637405	1352.468	ng	# 94
85) Di-n-octyl phthalate	14.56	149	1859846	112.331	ng	# 44

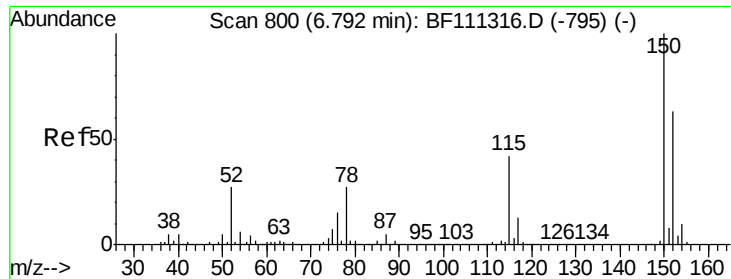
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-8RE

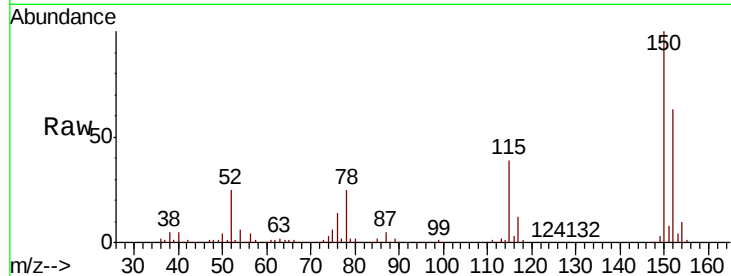
Tgt Ion:152 Resp: 234740

Ion Ratio Lower Upper

152 100

150 159.1 126.6 189.8

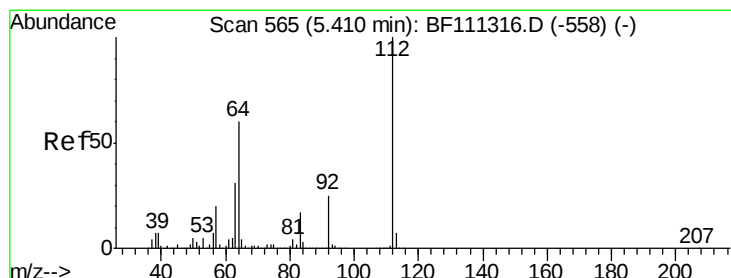
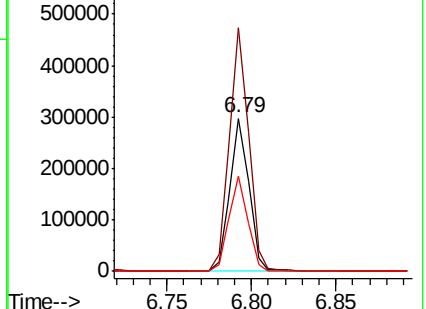
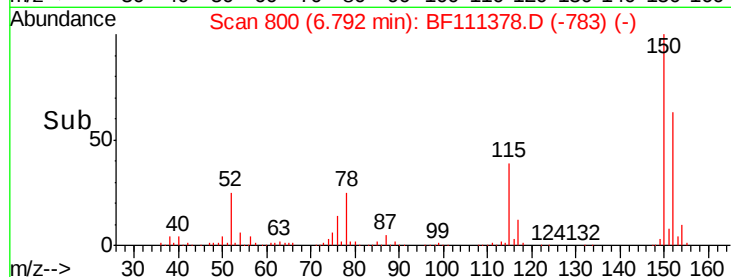
115 62.0 50.7 76.1



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



#5

2-Fluorophenol

Concen: 80.401 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

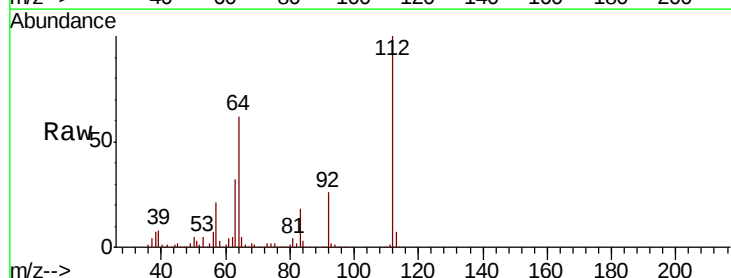
Tgt Ion:112 Resp: 1116081

Ion Ratio Lower Upper

112 100

64 62.5 51.8 77.6

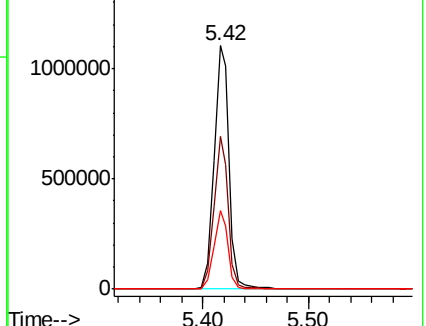
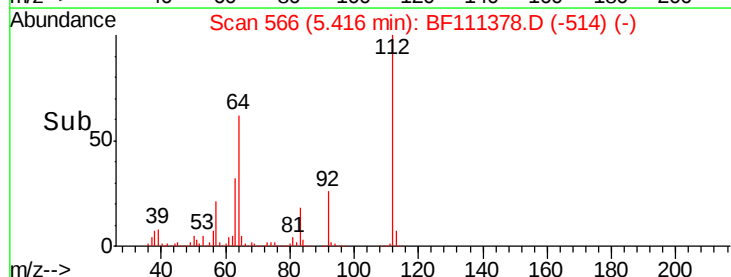
63 32.5 26.8 40.2

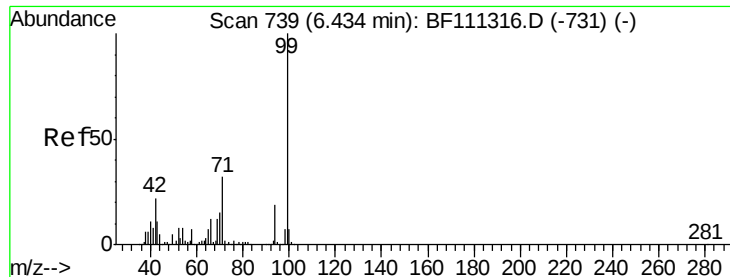


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.910 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

Instrument :

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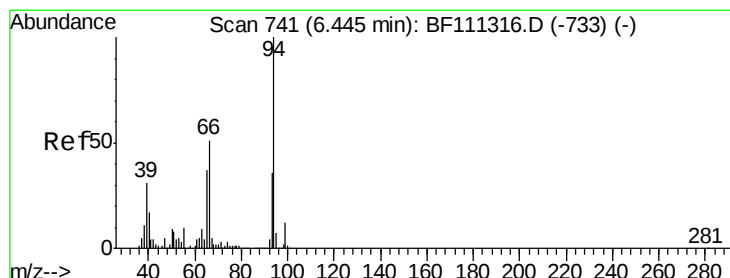
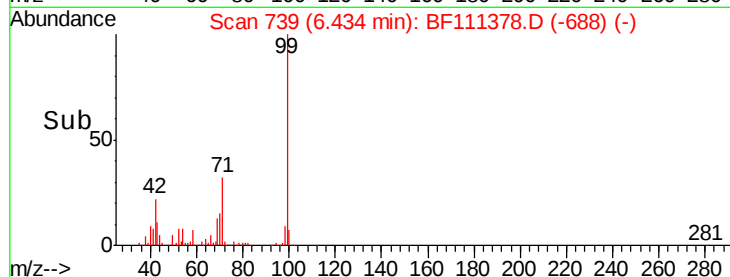
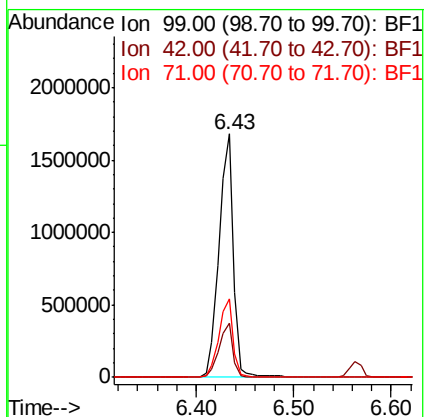
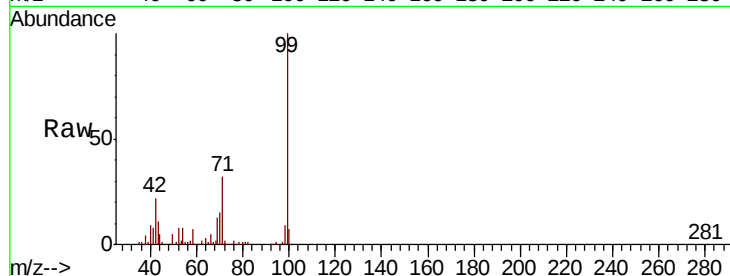
Tgt Ion: 99 Resp: 1720194

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

71 32.1 26.1 39.1



#10

Phenol

Concen: 3.602 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

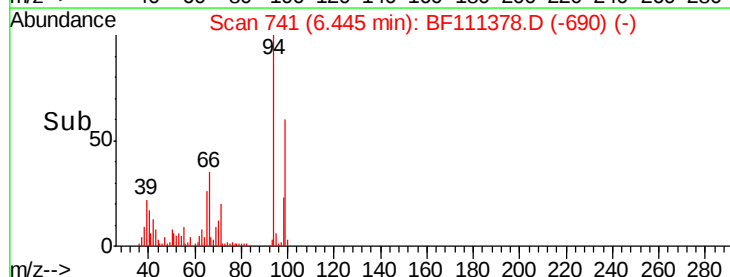
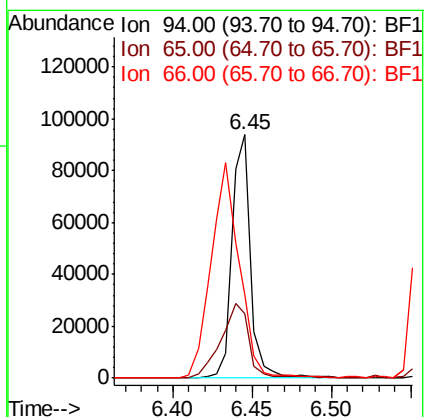
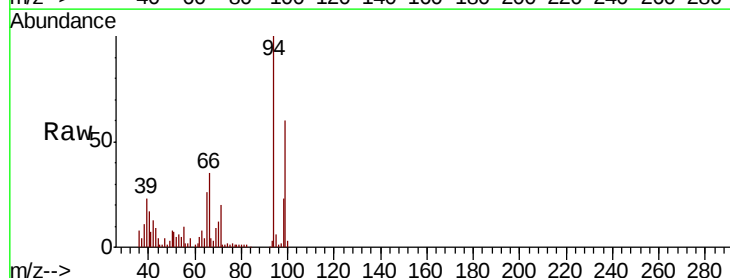
Tgt Ion: 94 Resp: 76368

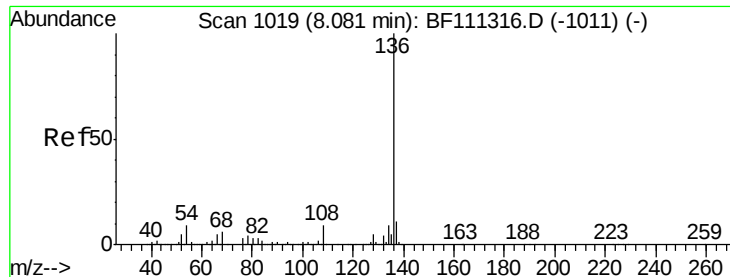
Ion Ratio Lower Upper

94 100

65 26.3 11.7 51.7

66 34.6 21.0 61.0

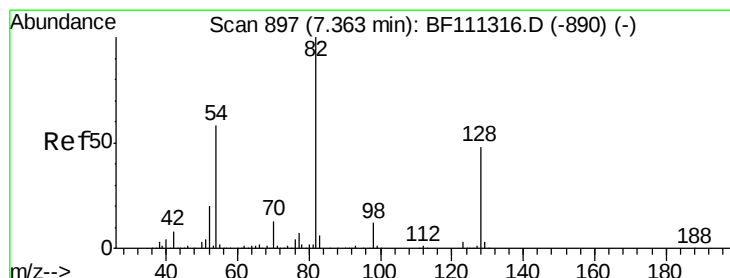
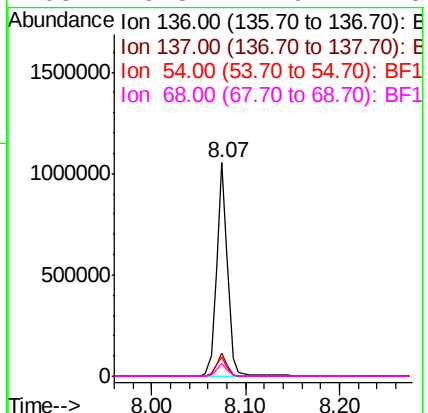
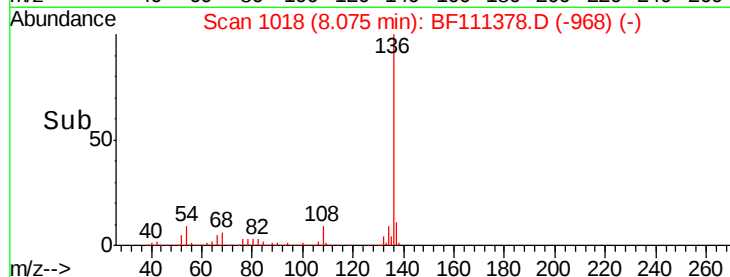
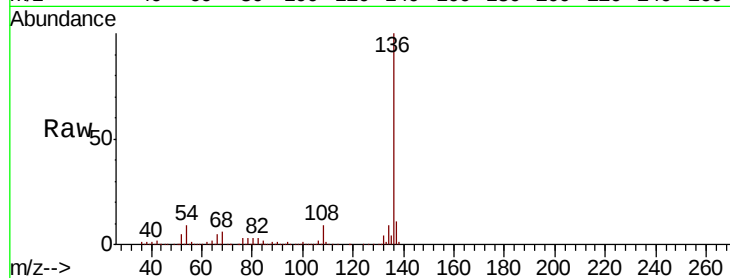




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

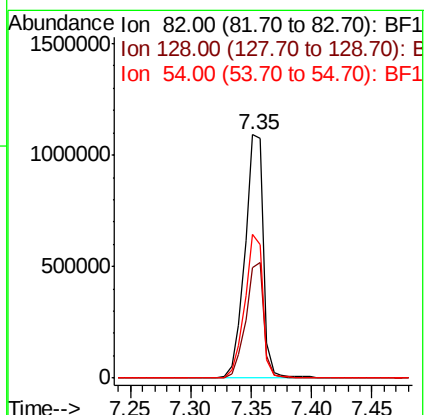
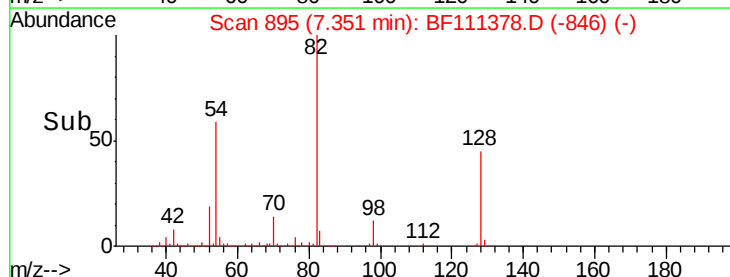
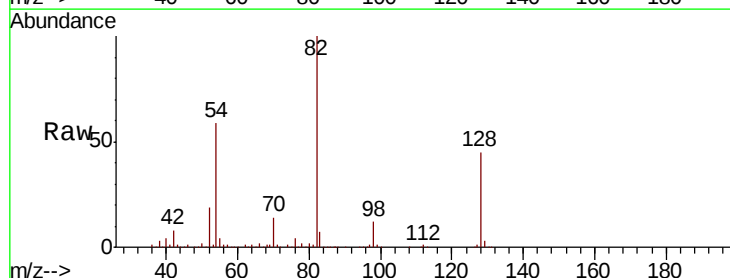
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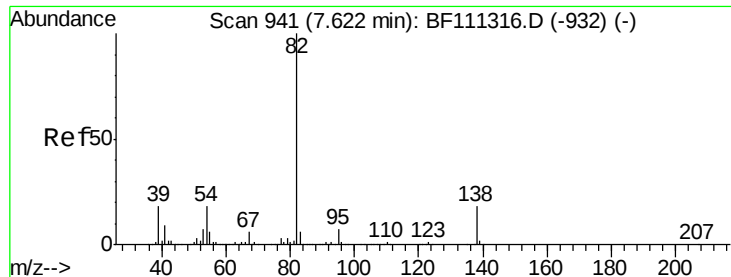
Tgt Ion:	136	Resp:	875244
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	9.2	7.7	11.5
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 75.524 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

Tgt Ion:	82	Resp:	1172778
Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.4	56.2
54	59.0	47.6	71.4

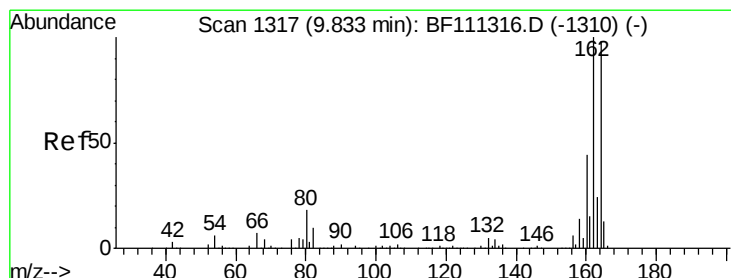
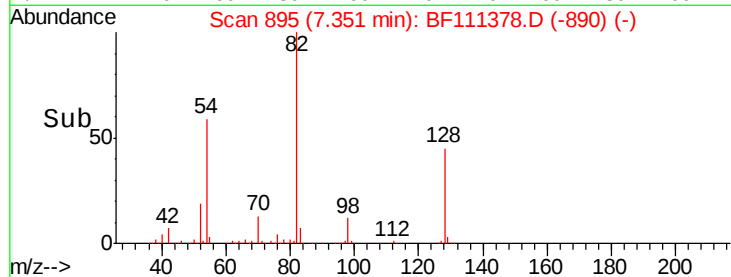
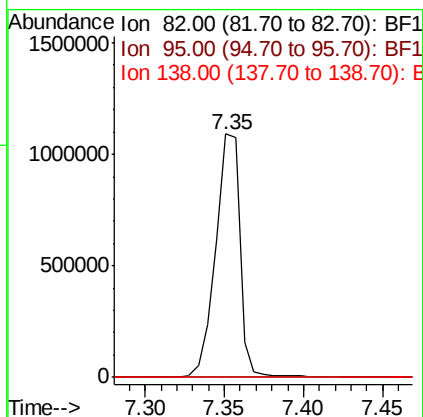
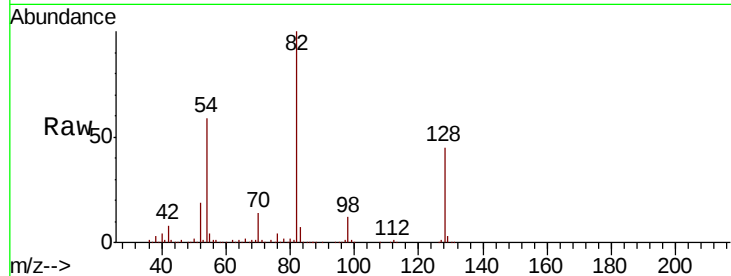




#25
Isophorone
Concen: 43.811 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.27 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

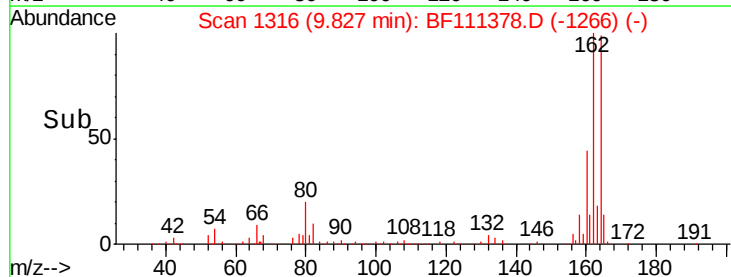
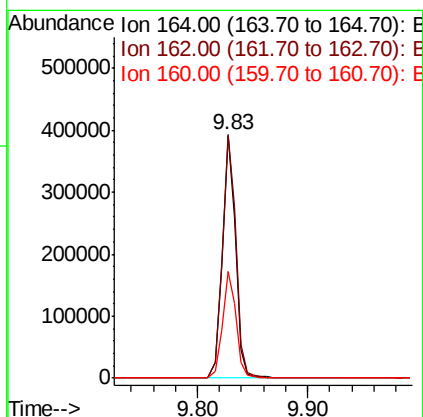
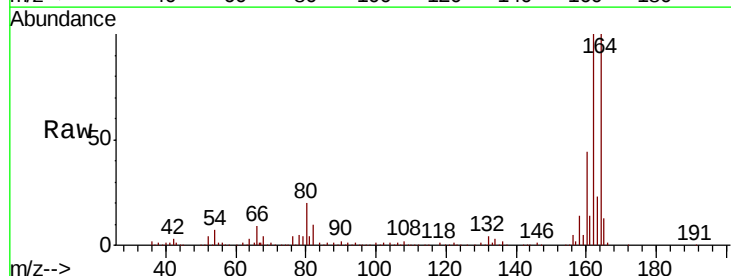
Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-8RE

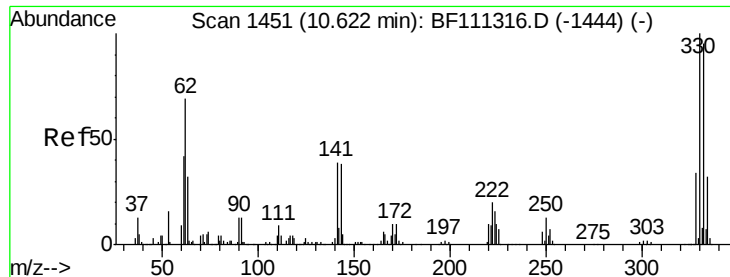
Tgt Ion: 82 Resp: 1155615
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

Tgt Ion: 164 Resp: 327140
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 44.2 35.7 53.5

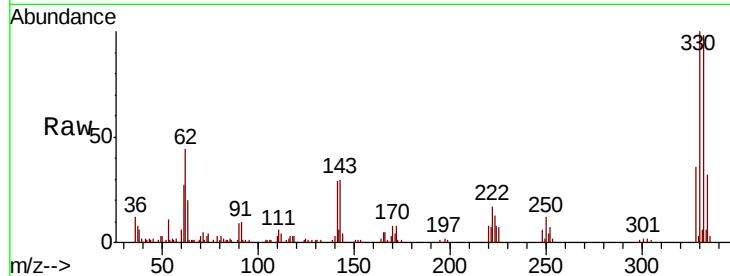




#42
 2,4,6-Tribromophenol
 Concen: 37.170 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111378.D
 Acq: 13 Dec 2018 19:08

Instrument :
 BNA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-8RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.0	114.0
141	37.0	31.0	46.6

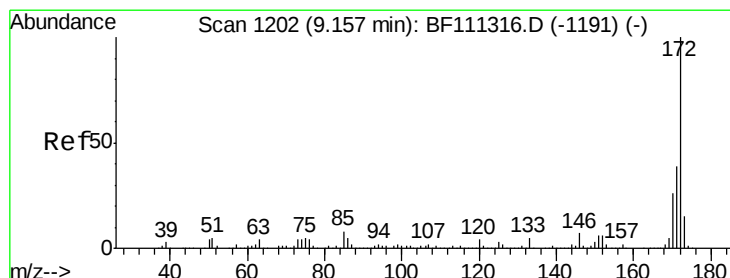
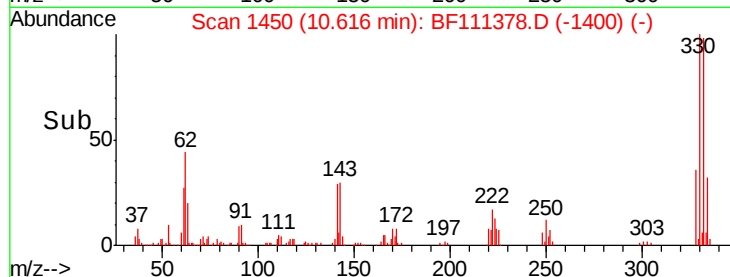
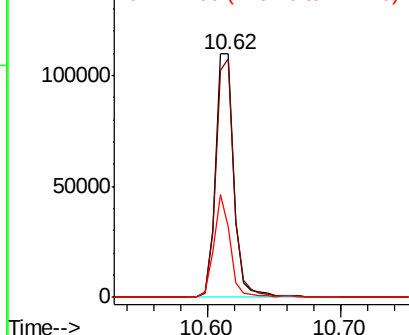


Abundance

Ion 329.80 (329.50 to 330.50): E

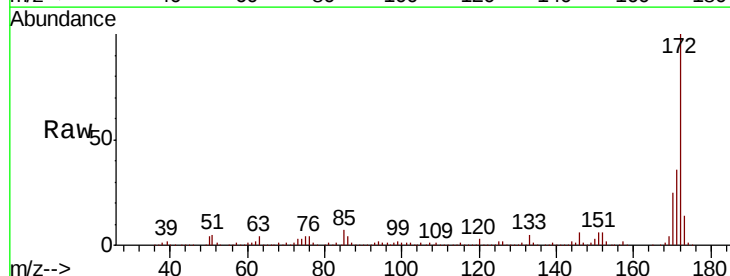
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.501 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111378.D
 Acq: 13 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	33.0	49.4
170	24.6	22.3	33.5

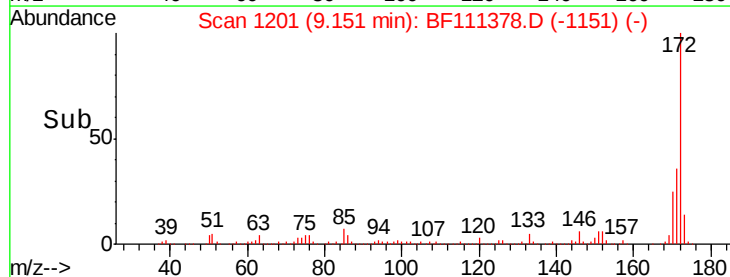
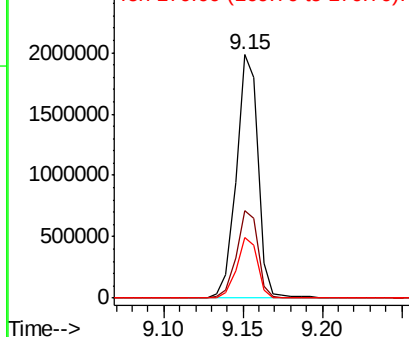


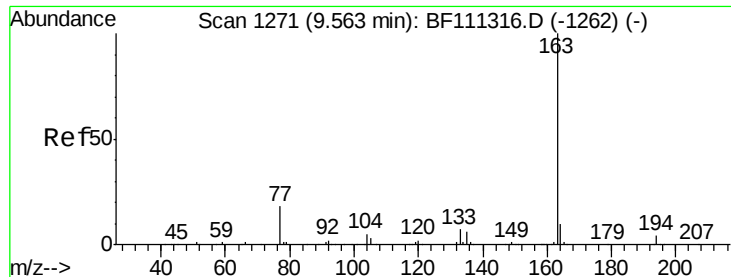
Abundance

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

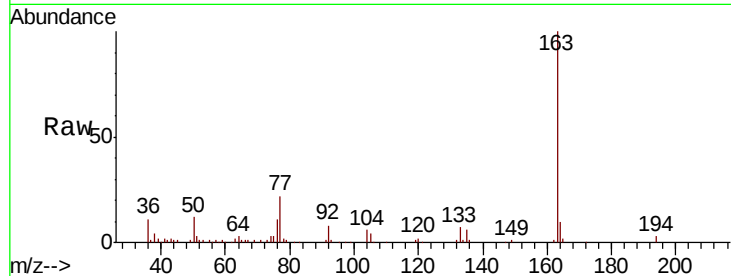




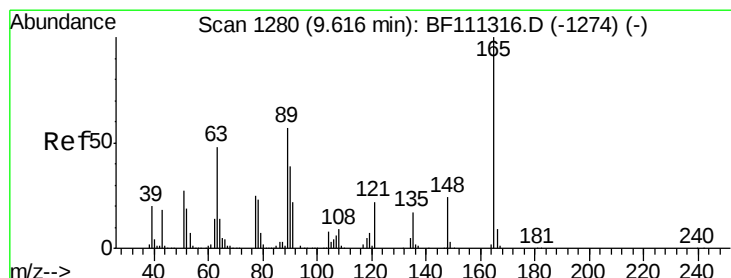
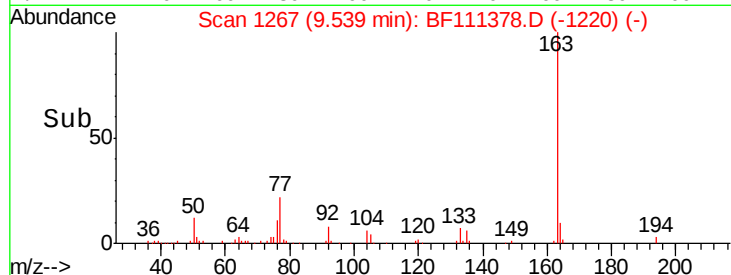
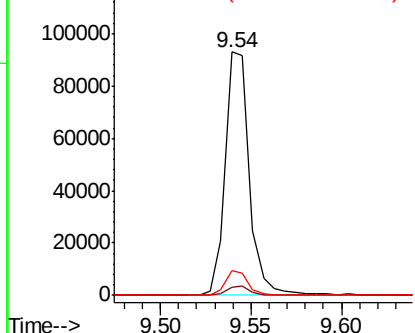
#50
Dimethylphthalate
Concen: 3.689 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

Instrument :
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Tgt Ion:163 Resp: 86781
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.6
164 10.1 8.9 13.3

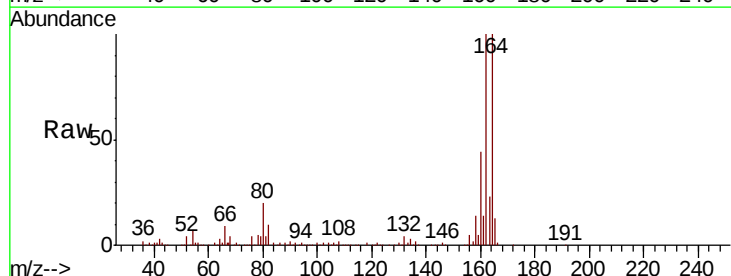


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

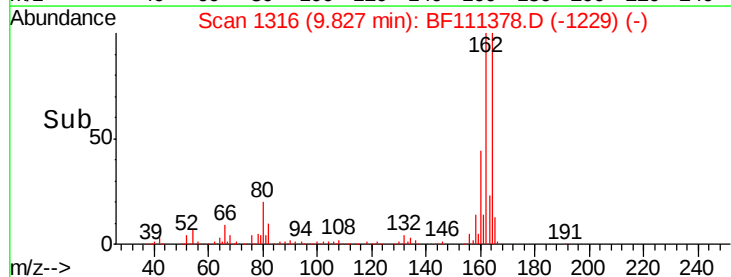
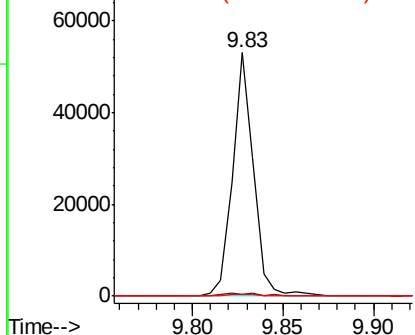


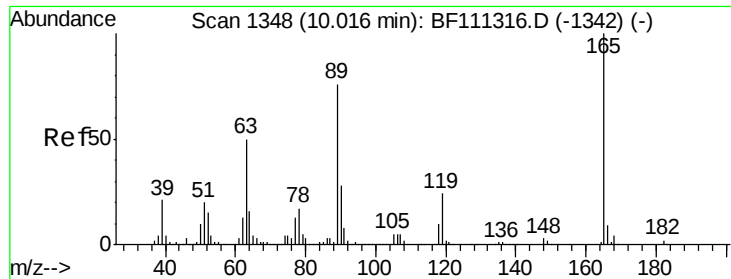
#51
2,6-Dinitrotoluene
Concen: 8.181 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.21 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

Tgt Ion:165 Resp: 42662
Ion Ratio Lower Upper
165 100
63 0.9 40.5 60.7#
89 0.8 40.0 60.0#



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

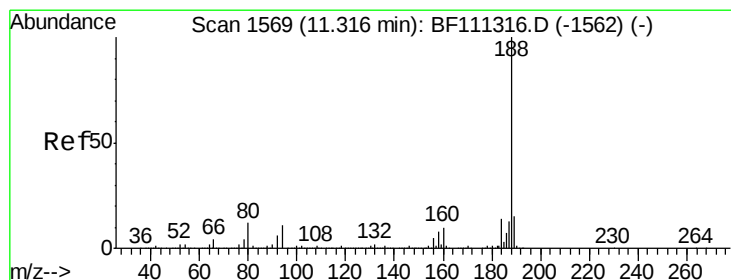
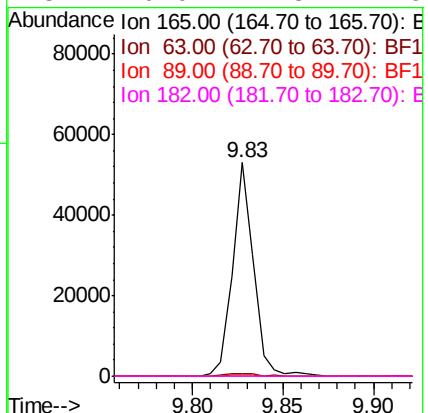
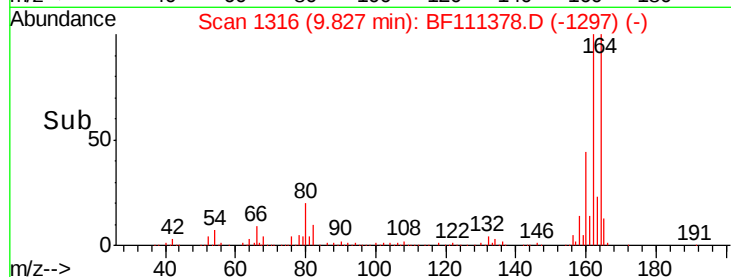
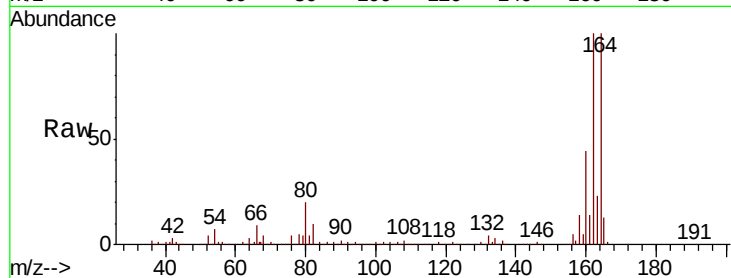




#57
 2,4-Dinitrotoluene
 Concen: 6.383 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111378.D
 Acq: 13 Dec 2018 19:08

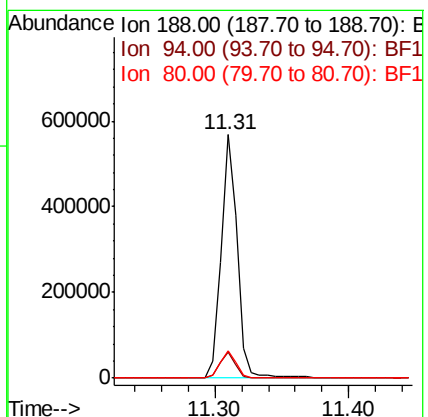
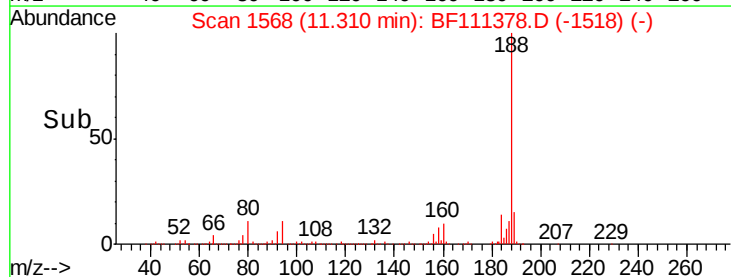
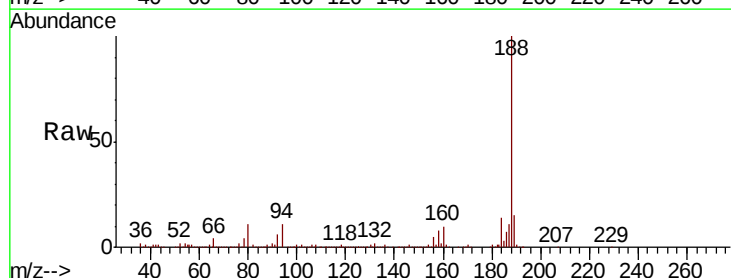
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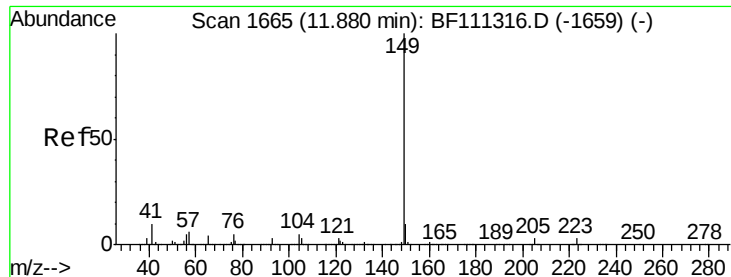
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.6	52.0#
89	0.8	56.2	84.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111378.D
 Acq: 13 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.6	14.4
80	11.3	9.8	14.6





#74

Di-n-butylphthalate

Concen: 2.334 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-8RE

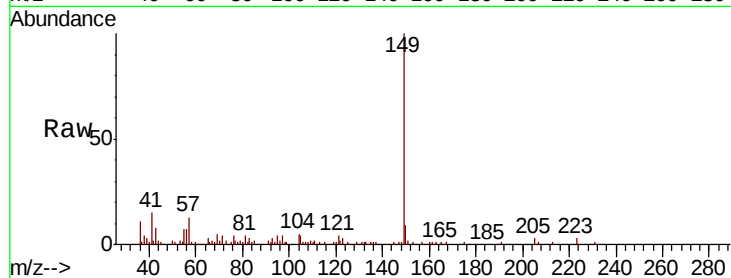
Tgt Ion:149 Resp: 70426

Ion Ratio Lower Upper

149 100

150 9.4 8.8 13.2

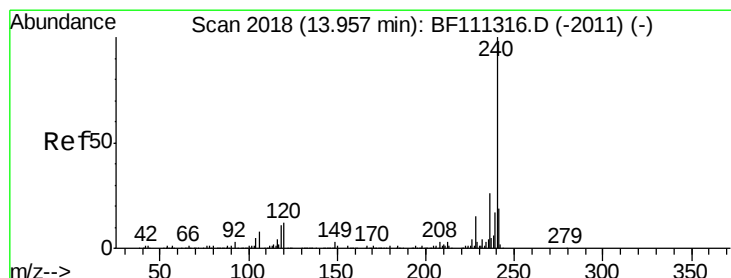
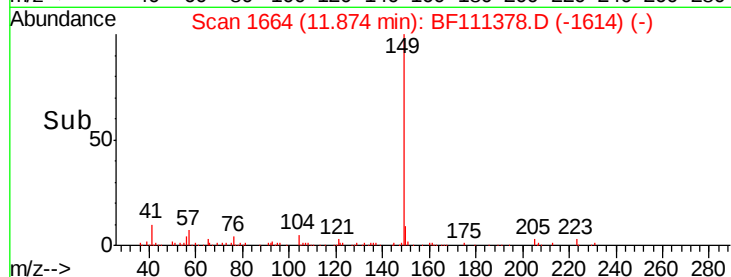
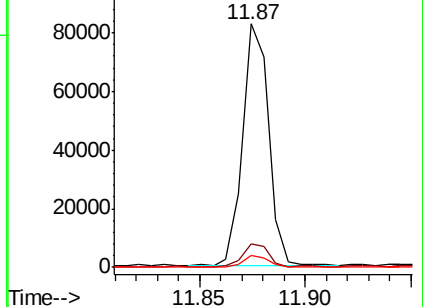
104 4.8 4.5 6.7



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: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

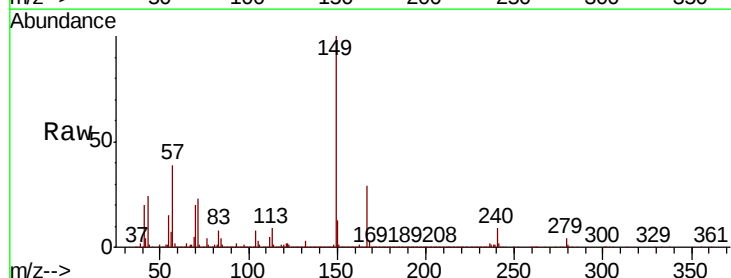
Tgt Ion:240 Resp: 222590

Ion Ratio Lower Upper

240 100

120 13.7 12.2 18.2

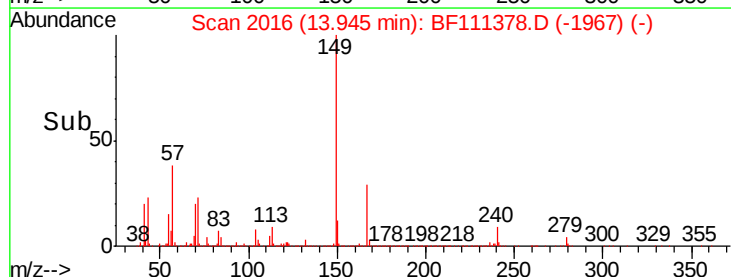
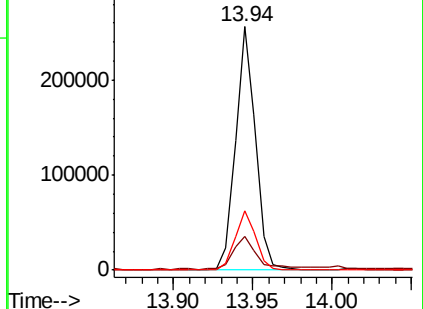
236 24.2 20.2 30.2

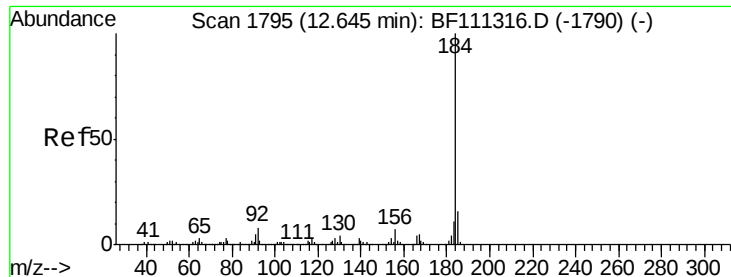


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.806 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-8RE

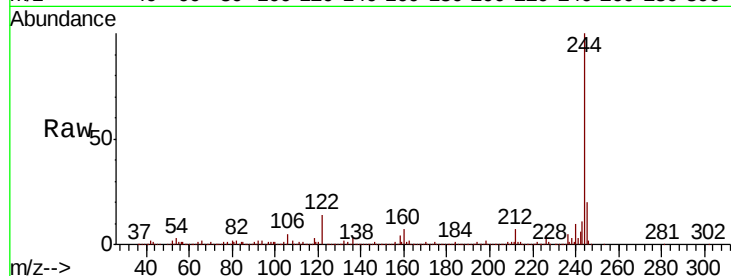
Tgt Ion:184 Resp: 15988

Ion Ratio Lower Upper

184 100

185 18.0 13.0 19.6

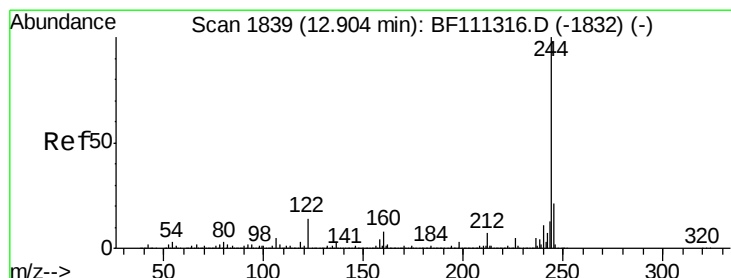
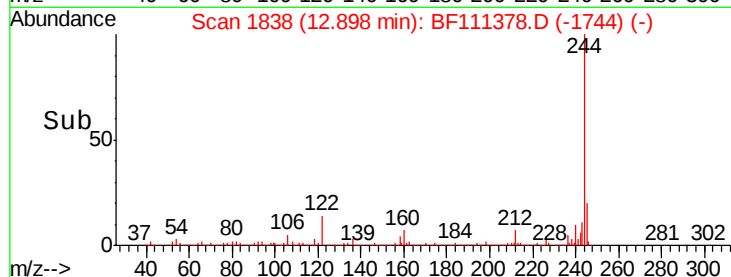
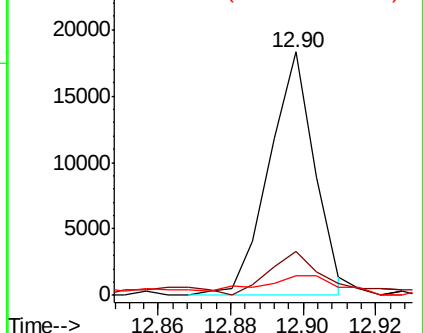
183 8.3 9.3 13.9#



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: 134.035 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

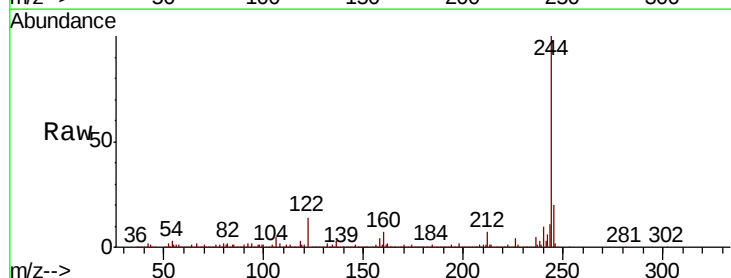
Tgt Ion:244 Resp: 1355555

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

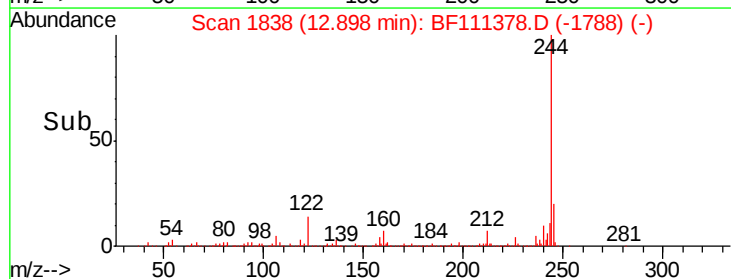
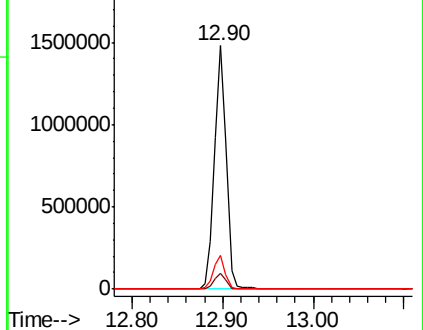
122 14.0 13.1 19.7

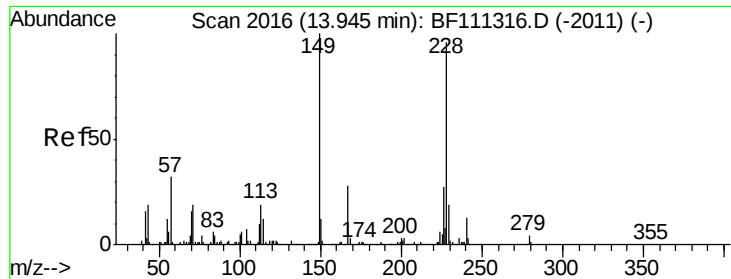


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 1352.468 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.03 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

Instrument :

BNA_F

ClientSampleId :

RICH-REC-ROAD-STONE-8RE

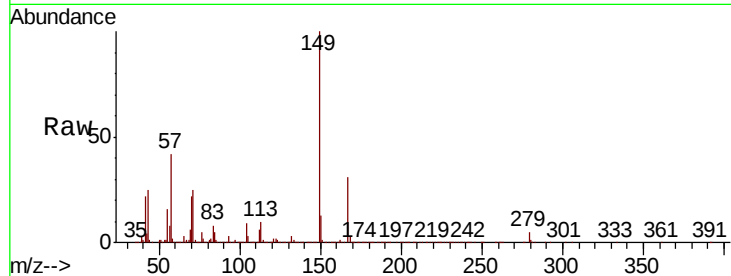
Tgt Ion:149 Resp:13637405

Ion Ratio Lower Upper

149 100

167 31.3 22.5 33.7

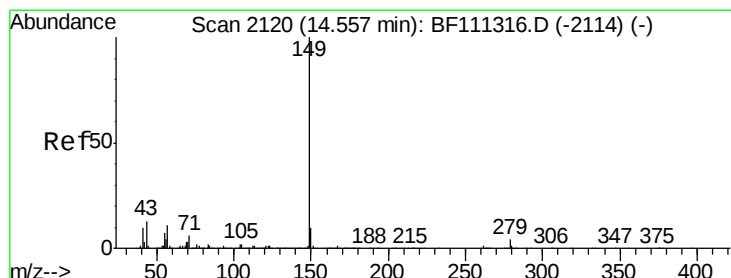
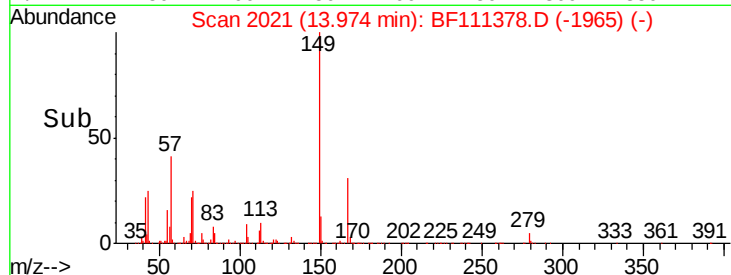
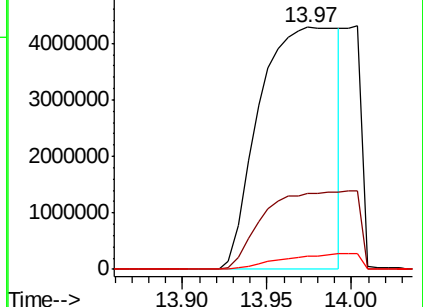
279 5.4 2.6 4.0#



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



#85

Di-n-octyl phthalate

Concen: 112.331 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BF111378.D

Acq: 13 Dec 2018 19:08

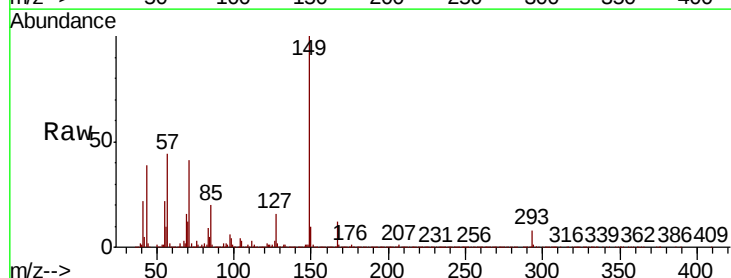
Tgt Ion:149 Resp: 1859846

Ion Ratio Lower Upper

149 100

167 3.1 1.3 1.9#

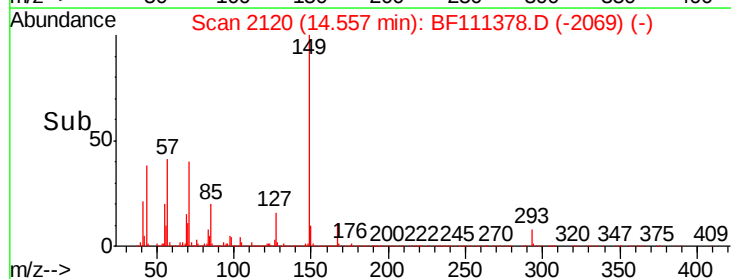
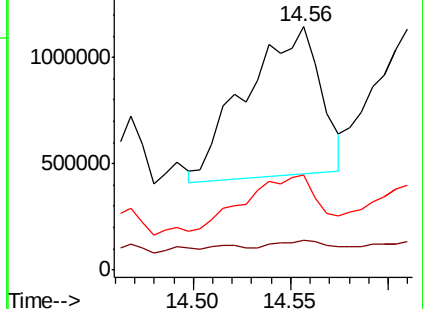
43 38.5 10.9 16.3#

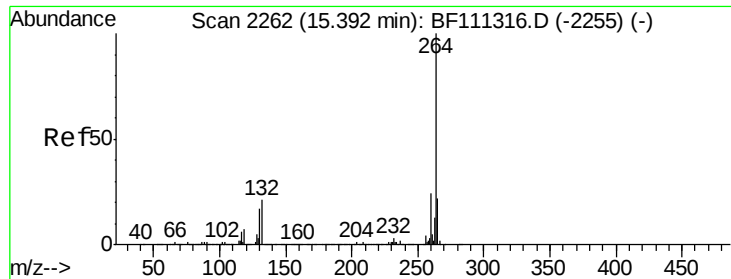


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF111378.D
Acq: 13 Dec 2018 19:08

Instrument :
BNA_F
ClientSampleId :
RICH-REC-ROAD-STONE-8RE

Tgt Ion: 264 Resp: 265889
Ion Ratio Lower Upper
264 100
260 22.6 18.3 27.5
265 20.5 17.7 26.5

